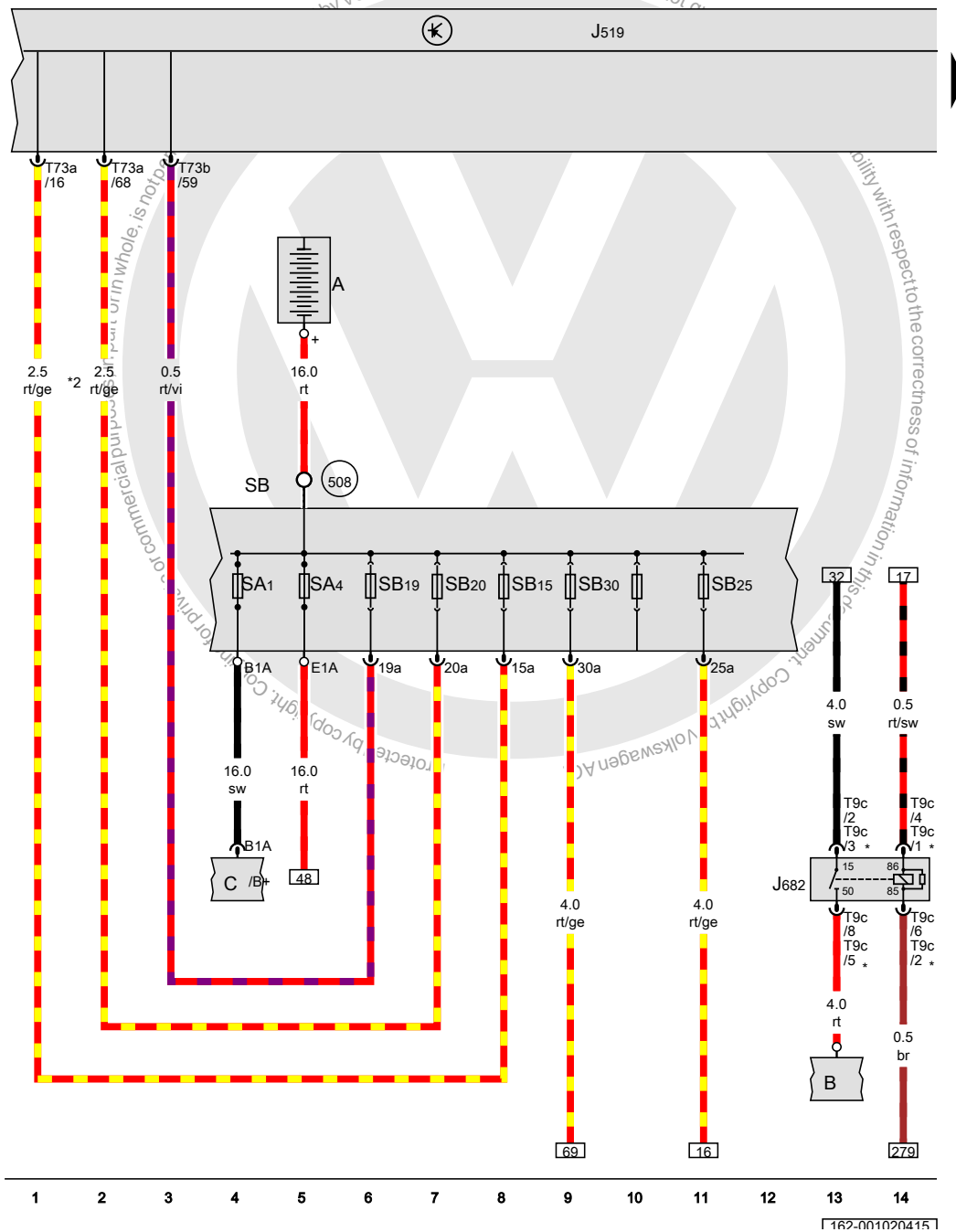


Basic equipment , (AW0)

From April 2010



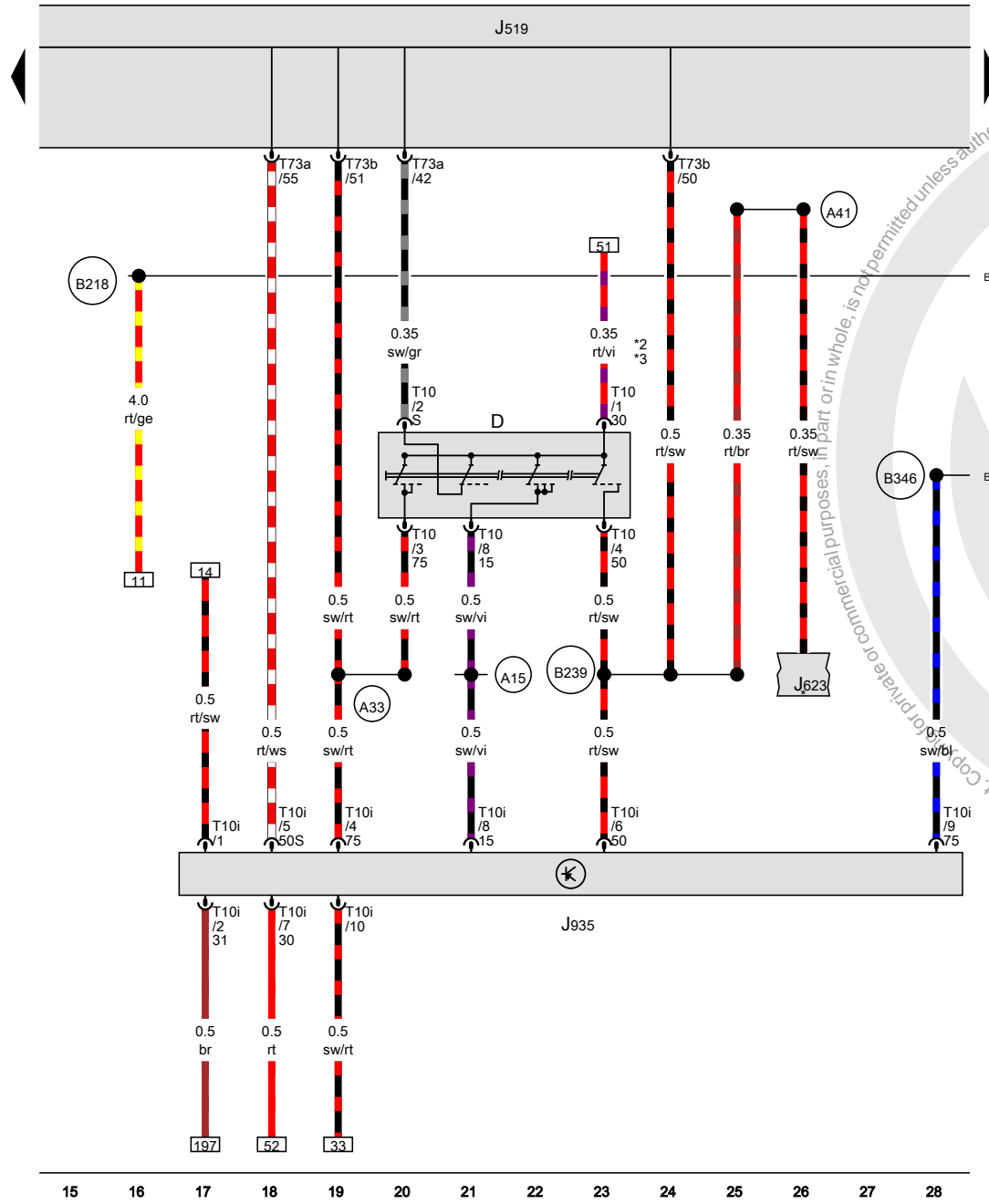


Onboard supply control unit, Terminal 50 voltage supply relay, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- T9c 9-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- 508 Threaded connection (30) on E-box
- * gradual introduction
- *2 Gradually discontinued

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

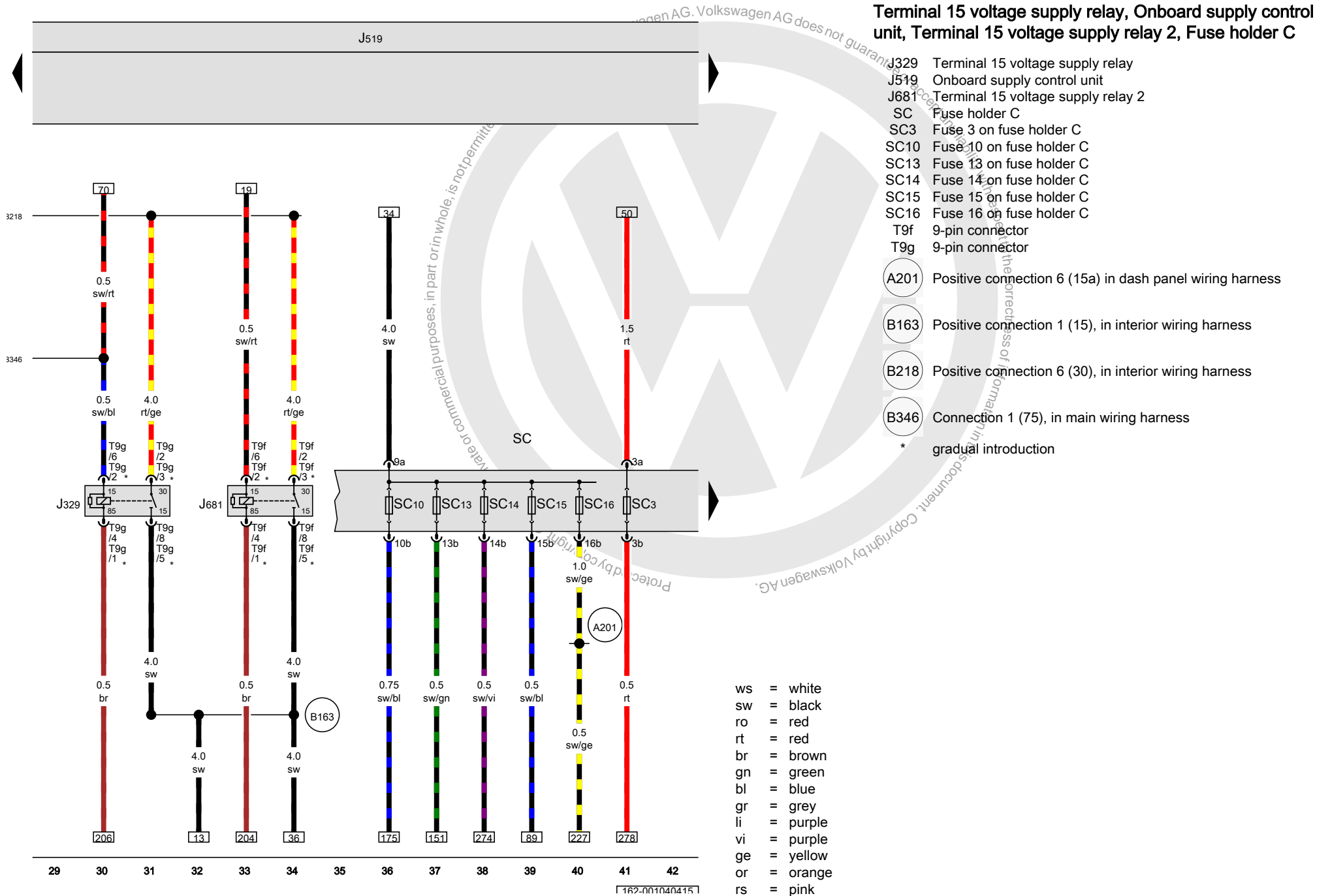
Ignition/starter switch, Onboard supply control unit, Converter box



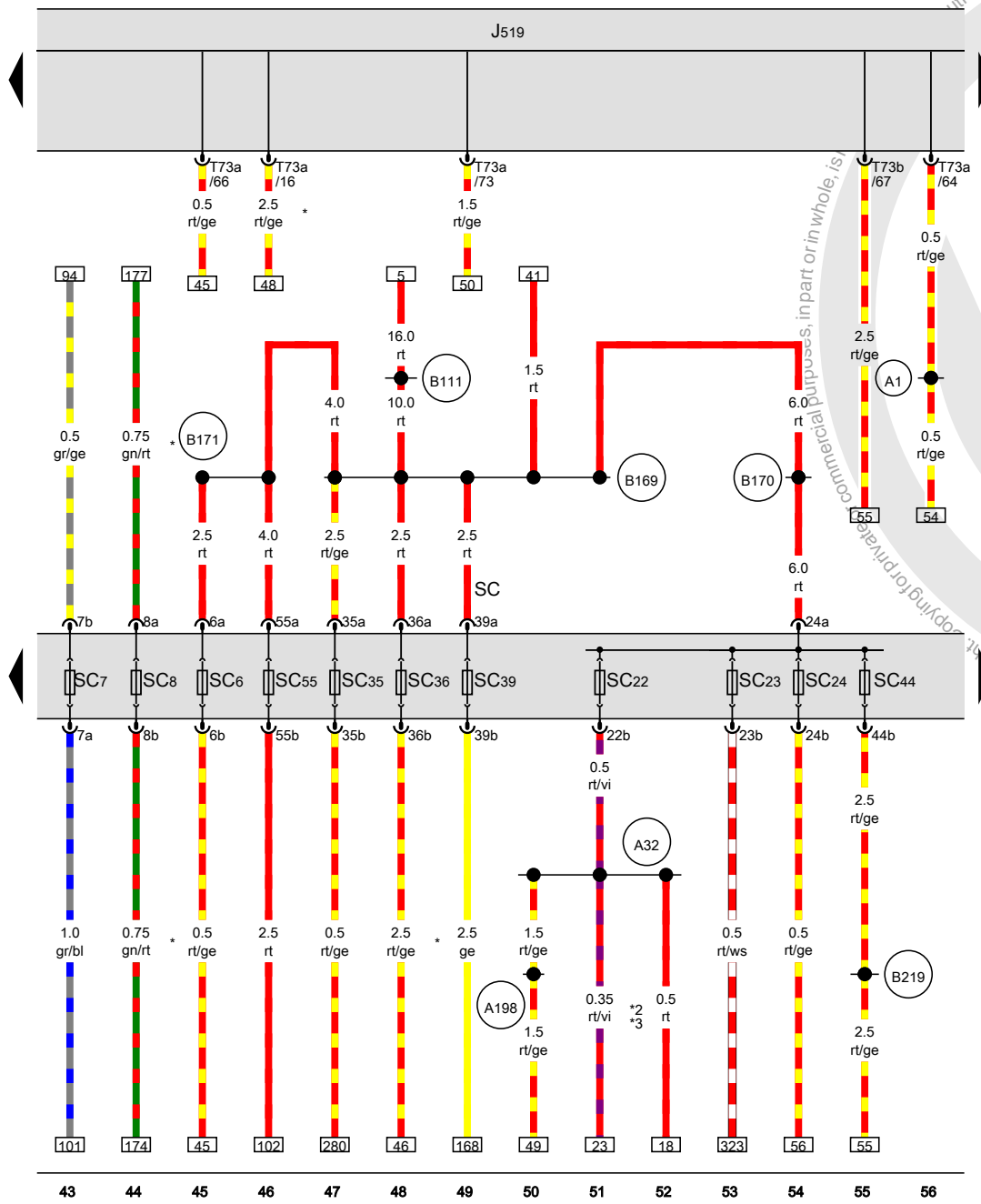
- D Ignition/starter switch
- J519 Onboard supply control unit
- J623 Engine control unit
- J935 Converter box
- T10 10-pin connector
- T10i 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * see applicable current flow diagram for engine
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment

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Onboard supply control unit, Fuse holder C



- J519 Onboard supply control unit
- SC Fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T73a 73-pin connector
- T73b 73-pin connector

- A1 Positive connection (30a), in dash panel wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- A198 Positive connection 6 (30a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

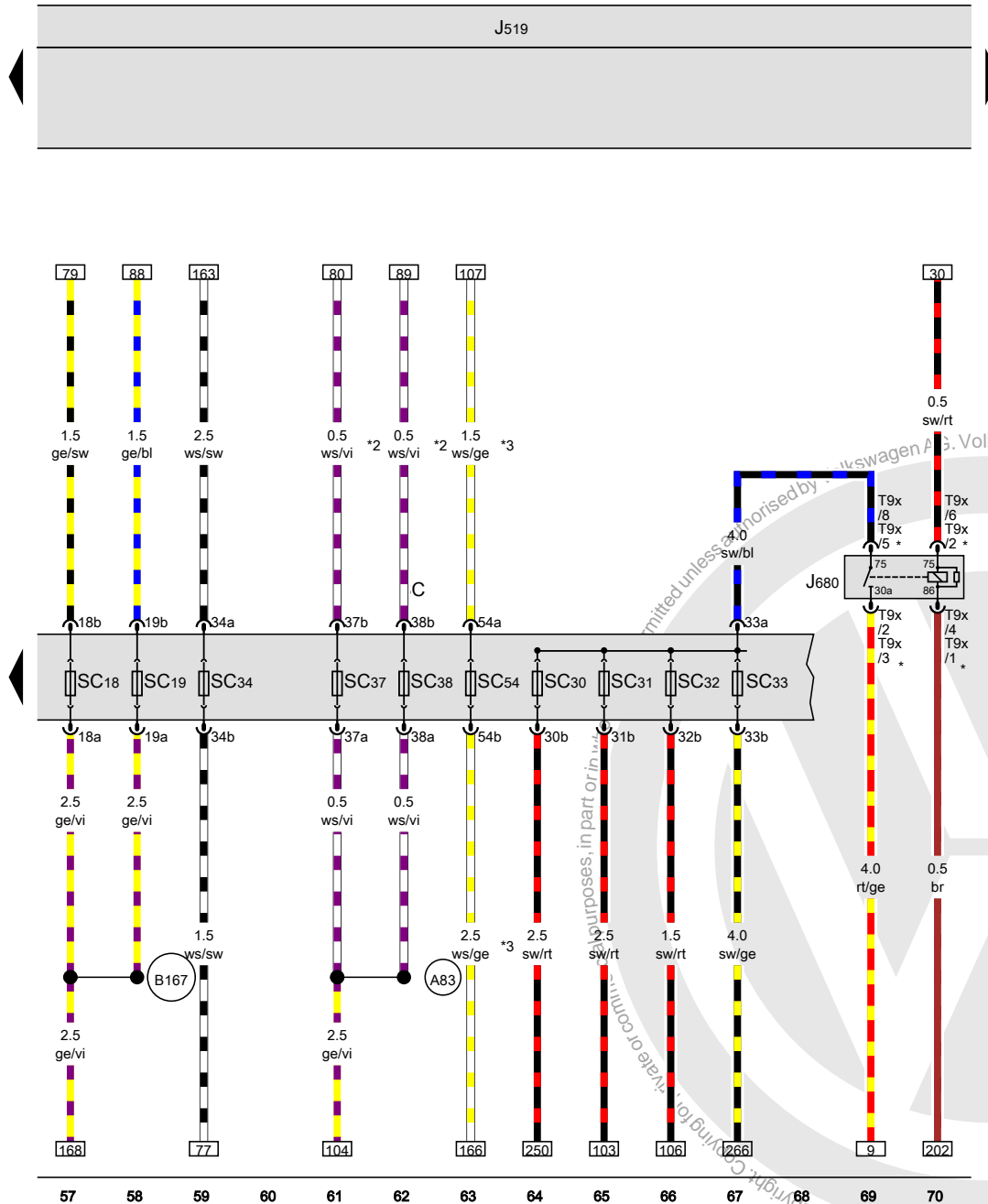
* gradual introduction
 *2 Wiring colour depends on equipment
 *3 Cross section depends on equipment

ws = white
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Onboard supply control unit, Terminal 75 voltage supply relay 1, Fuse holder C

- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- SC Fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- T9x 9-pin connector

- A83 Connection (daytime running lights), in dash panel wiring harness
- B167 Connection (56b), in interior wiring harness
- * gradual introduction
- *2 Only models with daytime running lights
- *3 Only for American markets



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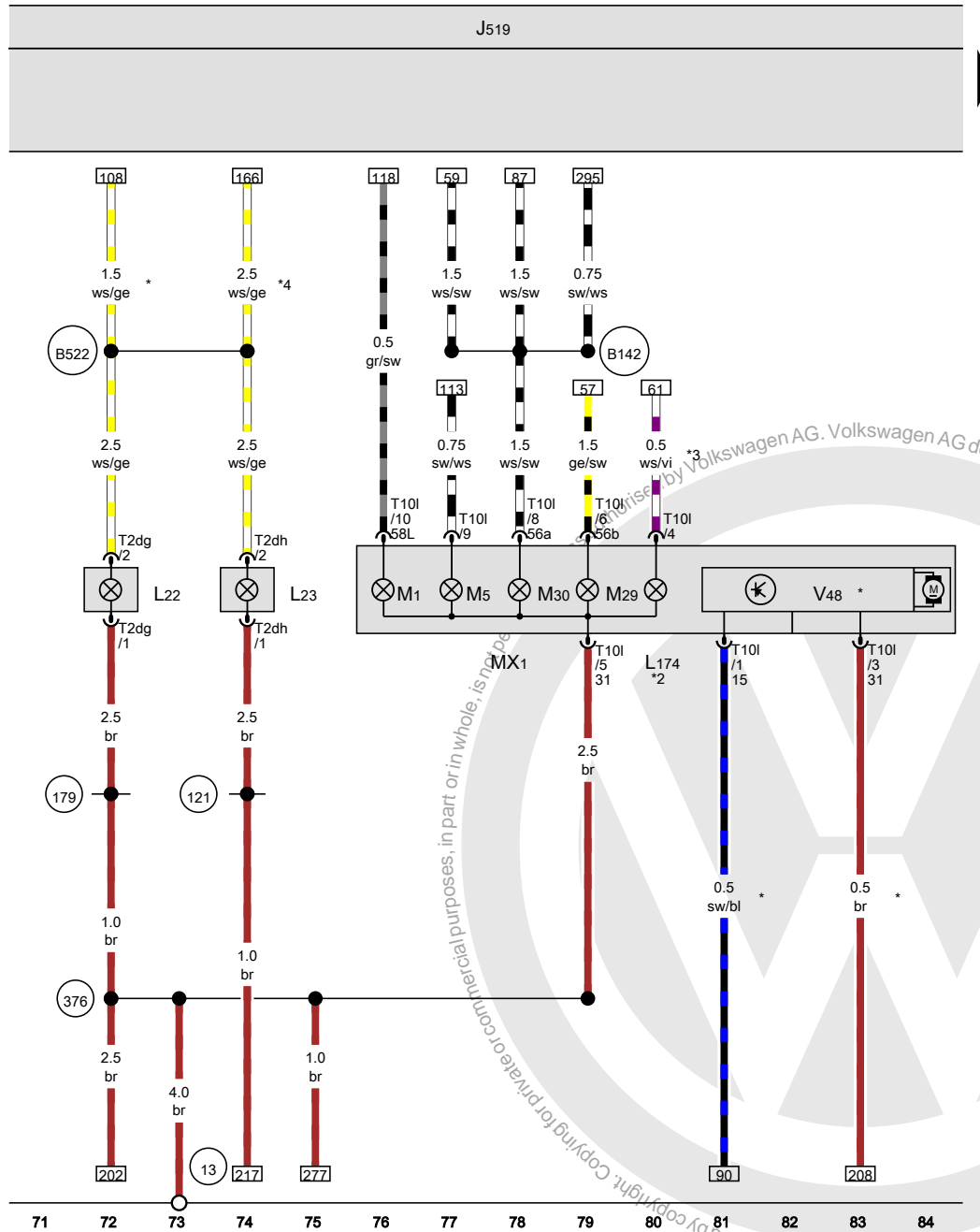
Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight range control motor

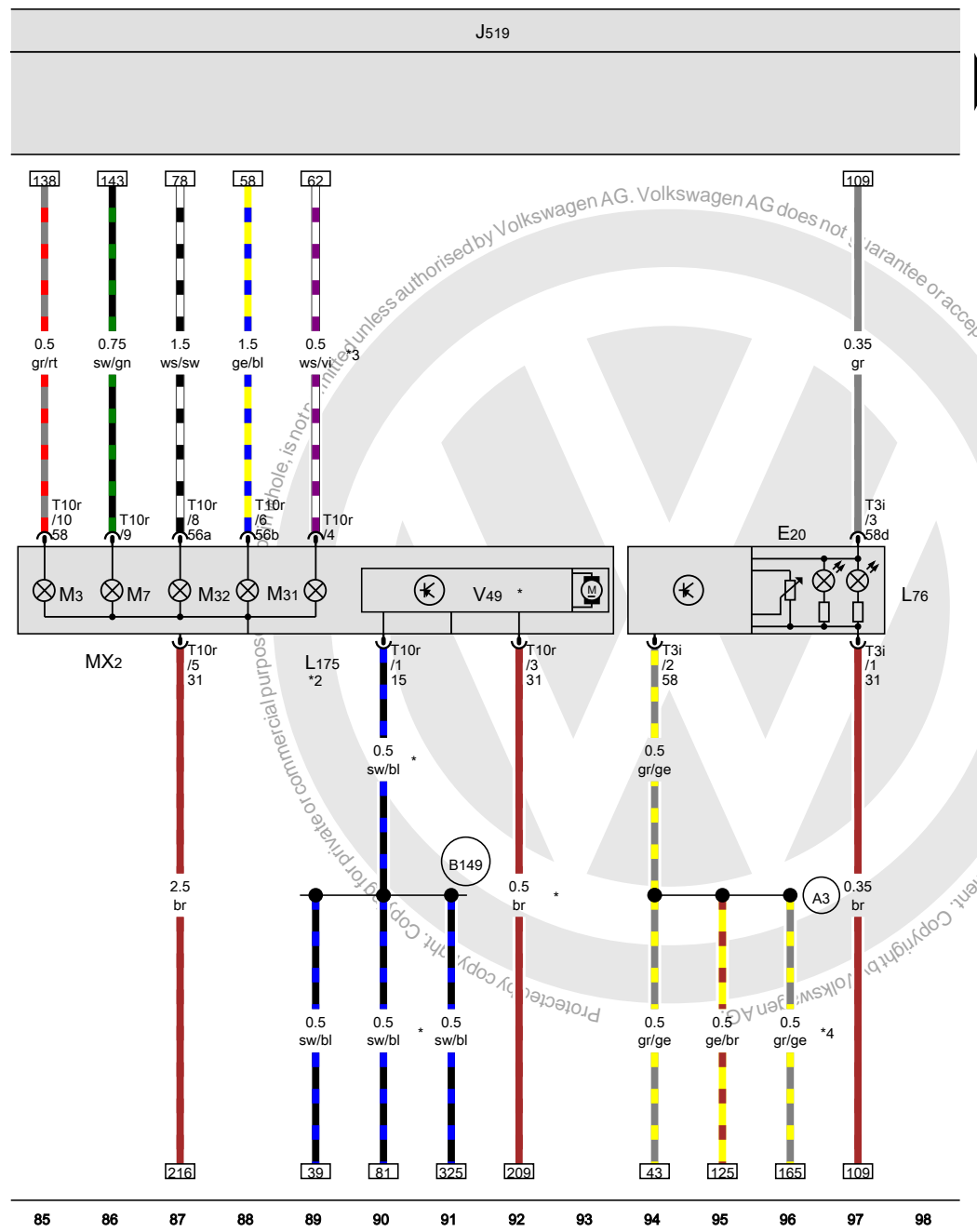
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2dg 2-pin connector
- T2dh 2-pin connector
- T10i 10-pin connector
- V48 Left headlight range control motor

- 13 Earth point, on right in engine compartment
- 121 Earth connection 2, in front right wiring harness
- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- B142 Positive connection 2 (56a), in interior wiring harness
- B522 Connection (FL), in main wiring harness

- * Not for American markets
- *2 According to equipment
- *3 Only models with daytime running lights
- *4 Only for American markets

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- rs = pink





Switch and instrument illumination regulator, Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight range control motor

- E20 Switch and instrument illumination regulator
- J519 Onboard supply control unit
- L76 Button illumination bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M32 Right headlight dipped beam bulb
- M31 Right headlight main beam bulb
- T3i 3-pin connector
- T10r 10-pin connector
- V49 Right headlight range control motor

A3 Positive connection (58), in dash panel wiring harness

B149 Positive connection 2 (15a), in interior wiring harness

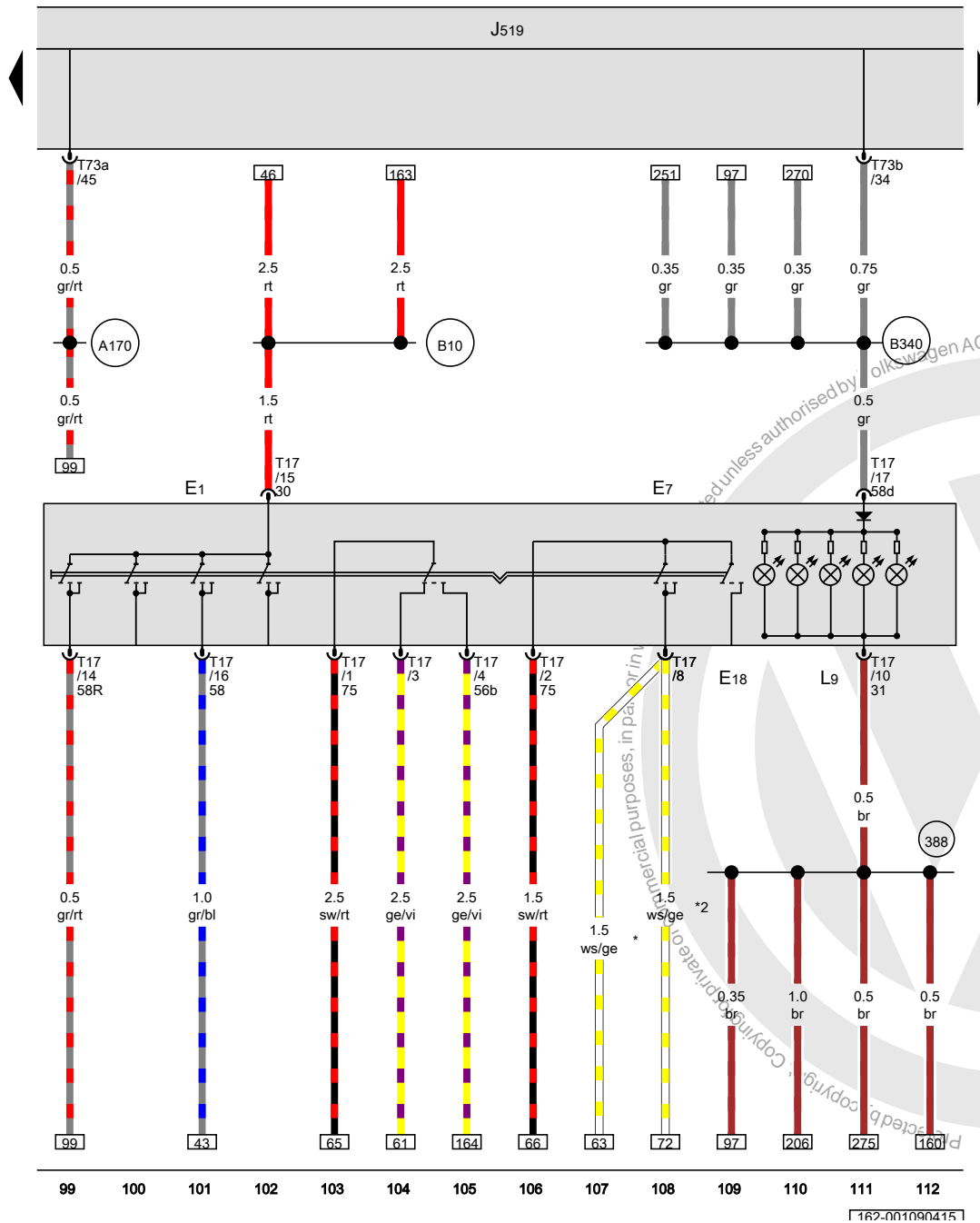
- * Not for American markets
- *2 According to equipment
- *3 Only models with daytime running lights
- *4 Only for American markets

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Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit

- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- L9 Light switch illumination bulb
- T17 17-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- (388) Earth connection 23, in main wiring harness
- (A170) Connection 2 (58R), in dash panel wiring harness
- (B10) Positive connection (30), in light switch wiring harness
- (B340) Connection 1 (58d), in main wiring harness
- * Only for American markets
- *2 Not for American markets



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- vi = purple
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- or = orange
- rs = pink

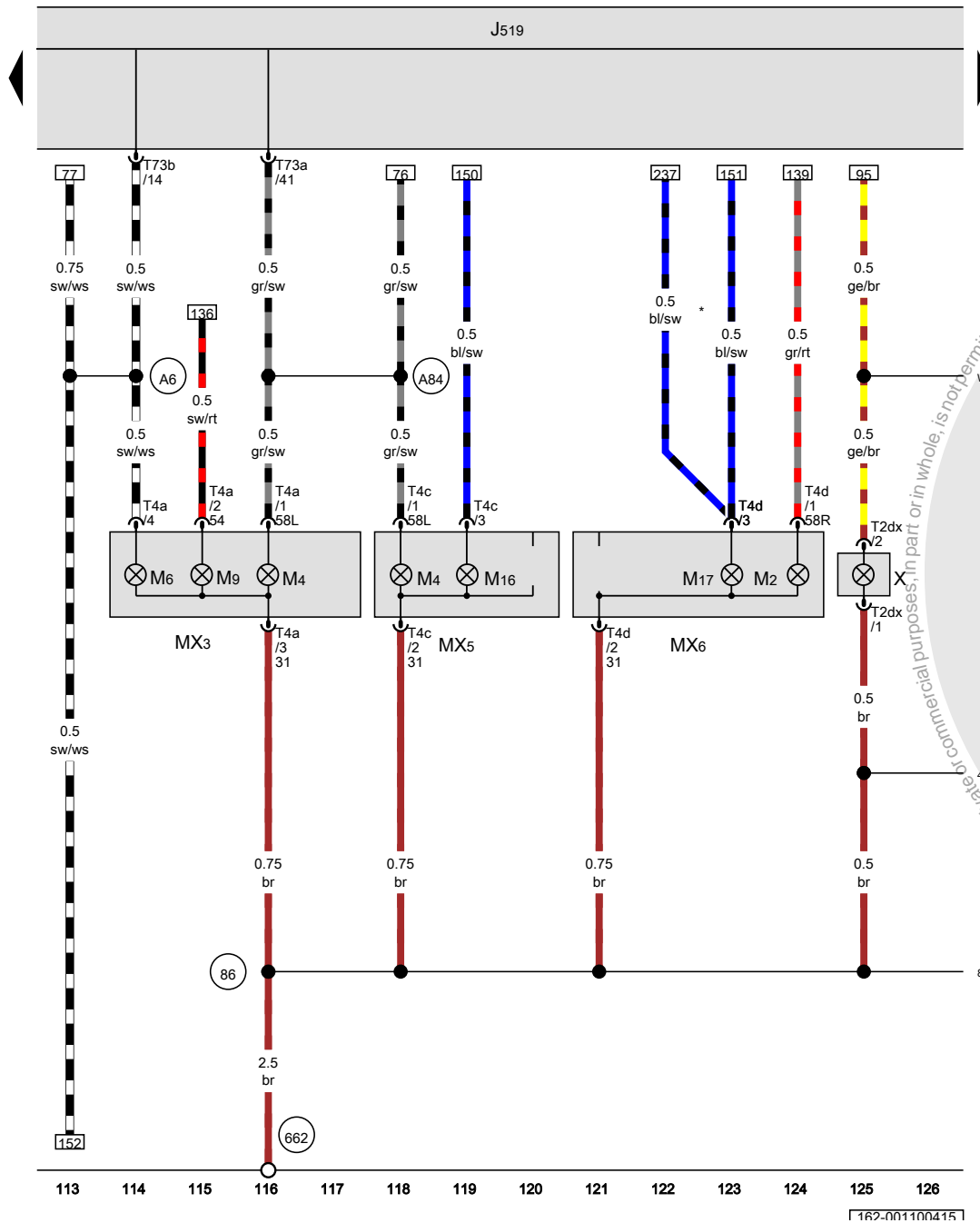
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Onboard supply control unit, Left tail light, Left tail light 2, Rear left turn signal bulb, Right tail light 2, Left brake light bulb, Left reversing light bulb, Right reversing light bulb

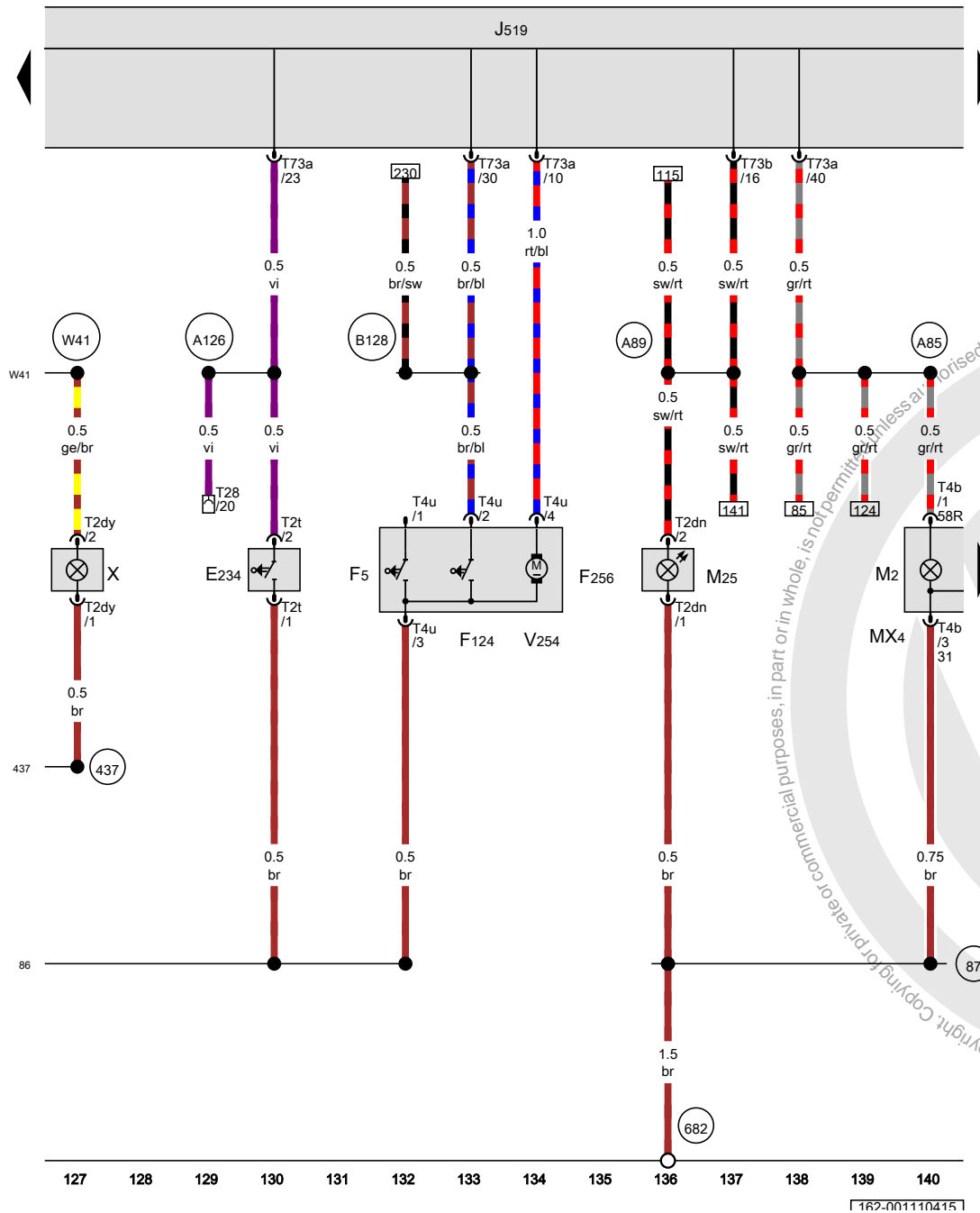
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- M6 Rear left turn signal bulb
- MX6 Right tail light 2
- M9 Left brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T2dx 2-pin connector
- T4a 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- X Number plate light

- 86 Earth connection 1, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 662 Earth point, rear left side panel
- A6 Positive connection (left turn signal), in dash panel wiring harness
- A84 Connection (58L), in dash panel wiring harness
- W41 Positive connection (58), in number plate lights wiring harness
- * Only models with automatic anti-dazzle interior mirror

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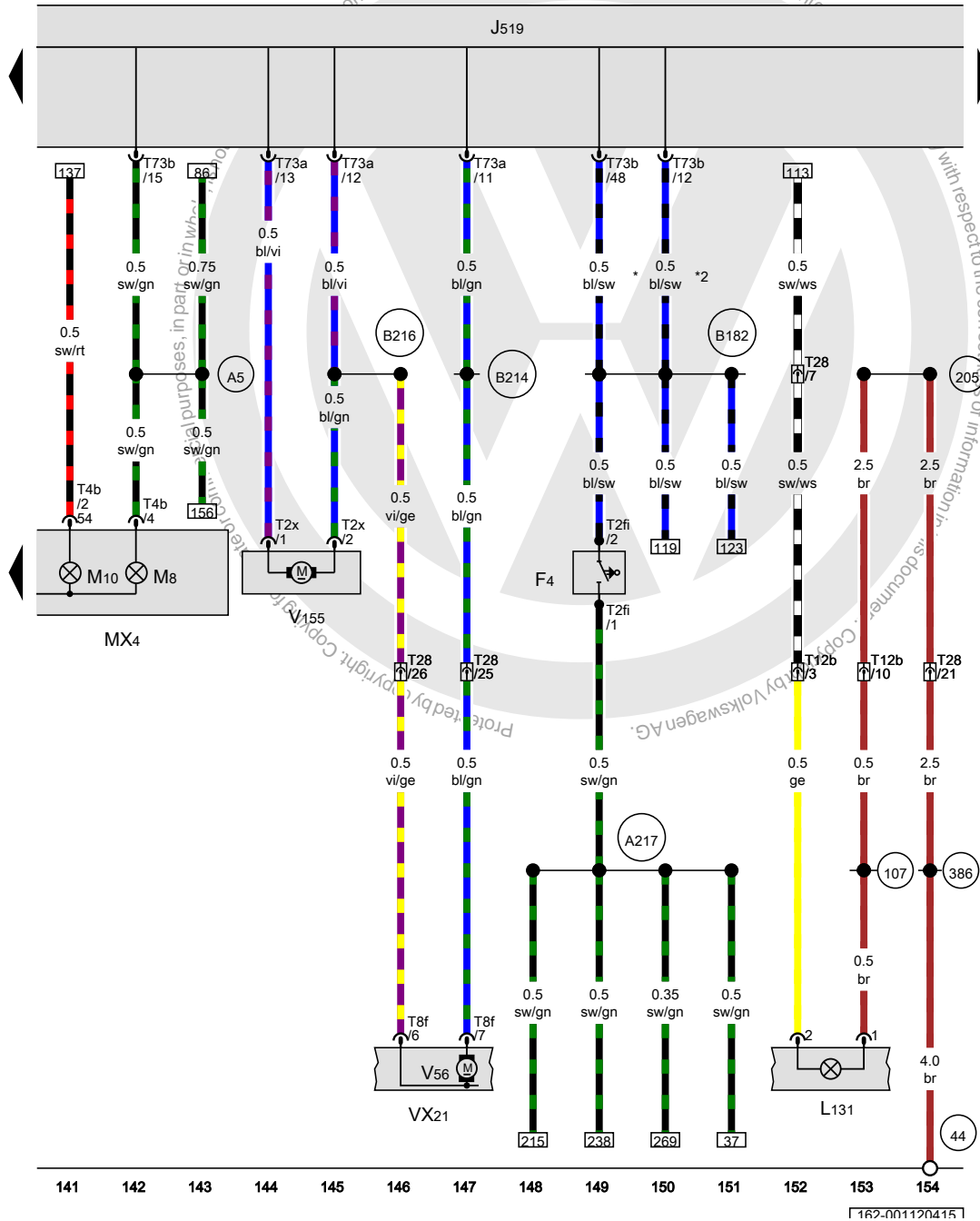


Rear lid handle release button, Luggage compartment light switch, Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system, Rear lid lock unit, Onboard supply control unit, Right tail light, High-level brake light bulb, Rear lid electric opener motor, Number plate light

- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F124 Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX4 Right tail light
- M25 High-level brake light bulb
- T2dn 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4b 4-pin connector
- T4u 4-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector
- V254 Rear lid electric opener motor
- X Number plate light

- 86 Earth connection 1, in rear wiring harness
- 87 Earth connection 2, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 682 Earth point 2, in rear right side panel
- A85 Connection (58R), in dash panel wiring harness
- A89 Connection 2 (54) in dash panel wiring harness
- A126 Connection (rear lid contact switch), in dash panel wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- W41 Positive connection (58), in number plate lights wiring harness

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Reversing light switch, Onboard supply control unit, Driver side turn signal repeater bulb, Right tail light, Rear right turn signal bulb, Right brake light bulb, Driver door central locking motor, Tank filler flap locking motor

- F4 Reversing light switch
- J519 Onboard supply control unit
- L131 Driver side turn signal repeater bulb
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- T2fi 2-pin connector
- T2x 2-pin connector
- T4b 4-pin connector
- T8f 8-pin connector
- T12b 12-pin connector, in driver door
- T28 28-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V155 Tank filler flap locking motor

- 44 Earth point, lower part of left A-pillar
- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B182 Connection (RL), in interior wiring harness
- B214 Connection 1 (central locking), in interior wiring harness
- B216 Connection 3 (central locking), in interior wiring harness

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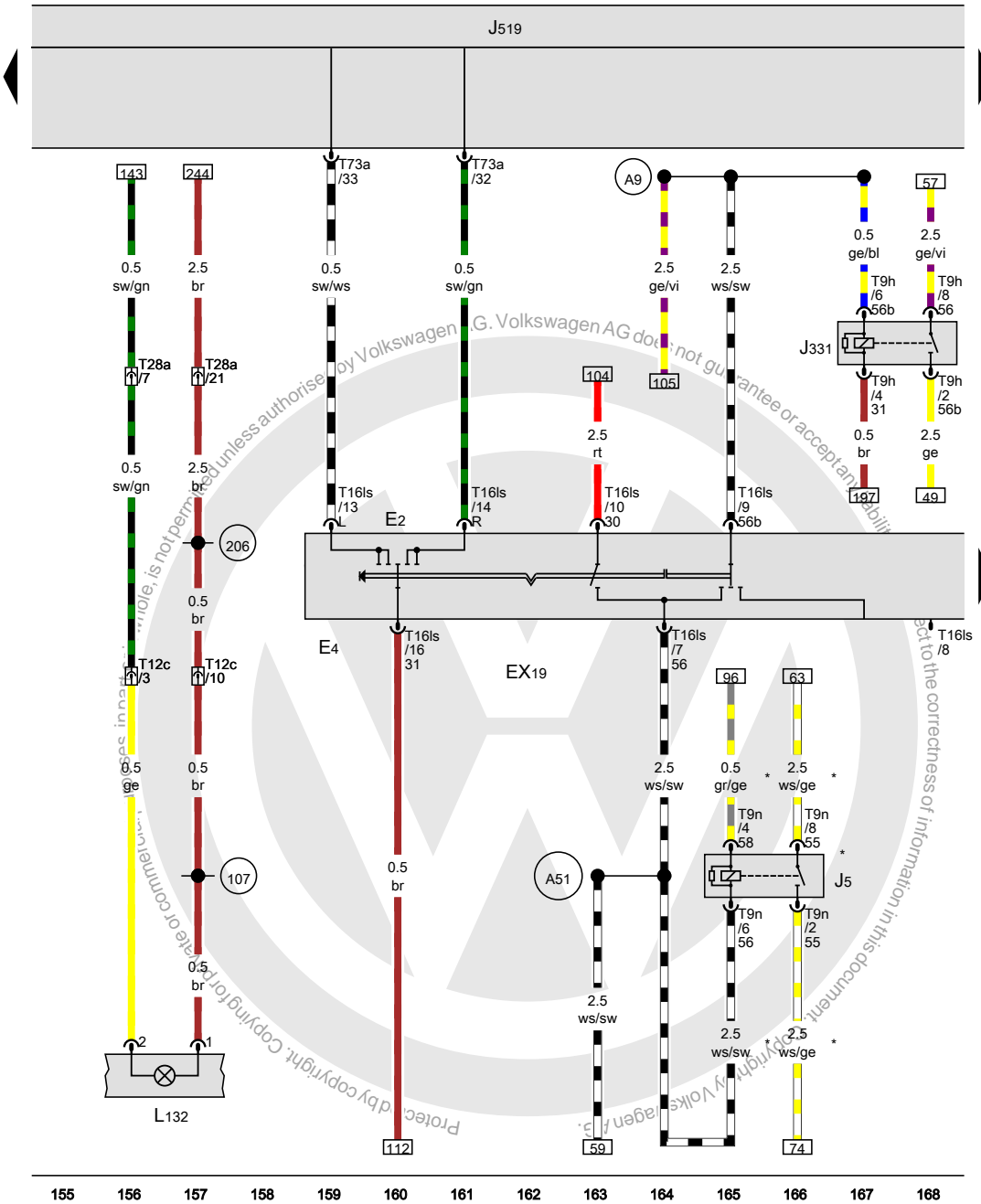
- * Only models with manual gearbox
- *2 Only models with automatic gearbox

141 142 143 144 145 146 147 148 149 150 151 152 153 154

162-001120415

Turn signal switch, Headlight dipper and flasher switch, Left steering column switch, Onboard supply control unit, Front passenger side turn signal repeater bulb

- E2 Turn signal switch
 - E4 Headlight dipper and flasher switch
 - EX19 Left steering column switch
 - J5 Fog light relay
 - J331 Dipped beam relay
 - J519 Onboard supply control unit
 - L132 Front passenger side turn signal repeater bulb
 - T9h 9-pin connector
 - T9n 9-pin connector
 - T12c 12-pin connector, in front passenger door
 - T16ls 16-pin connector
 - T28a 28-pin connector, lower part of A-pillar, front passenger side
 - T73a 73-pin connector
- (107) Earth connection, in external mirror wiring harness
 - (206) Earth connection, in front passenger door wiring harness
 - (A9) Positive connection (56b), in instruments wiring harness
 - (A51) Connection (56), in dash panel wiring harness
- * Only for American markets

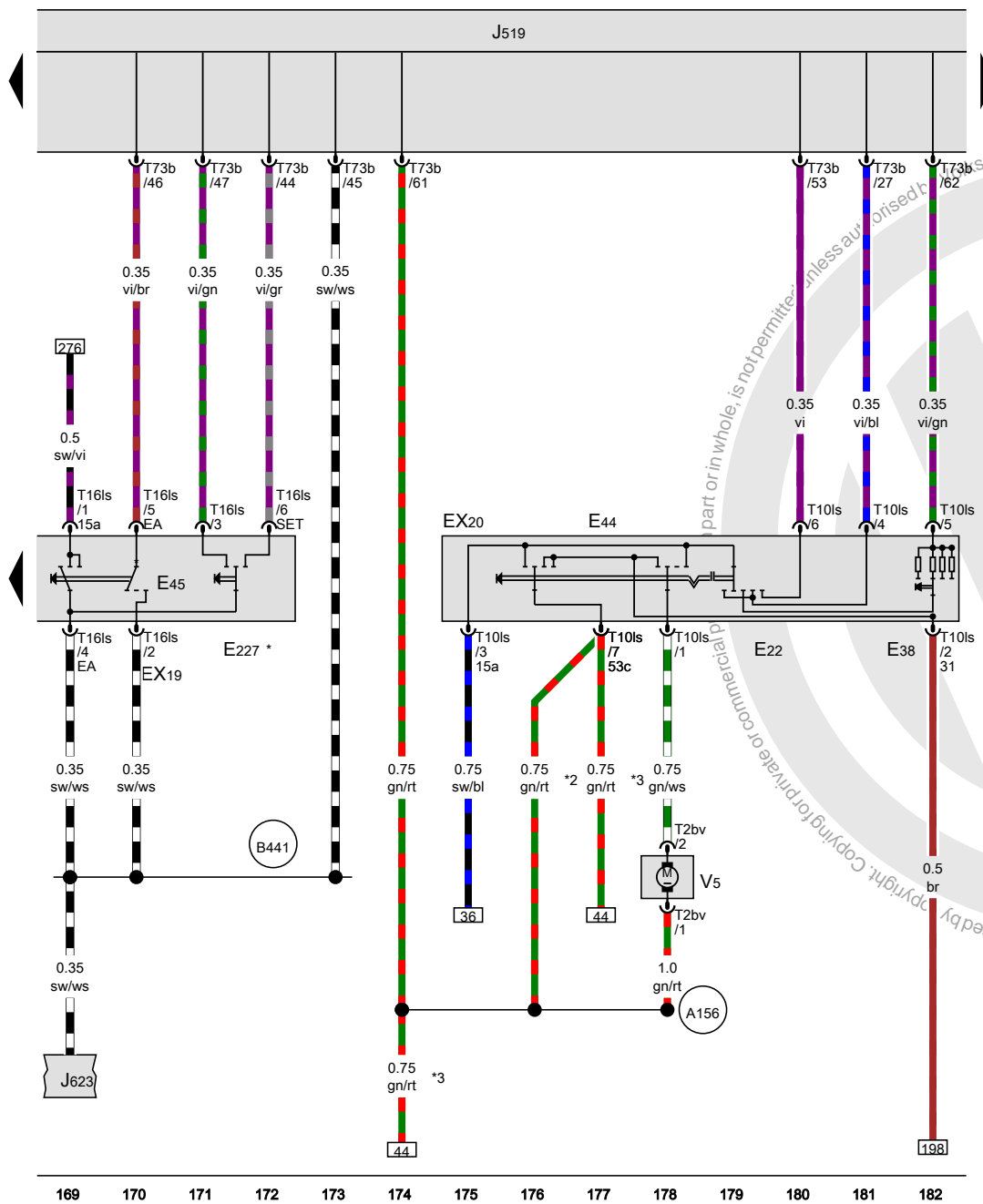


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- vi = purple
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155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-001130415

Left steering column switch, Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Cruise control system switch, Cruise control system (CCS) SET button, Onboard supply control unit

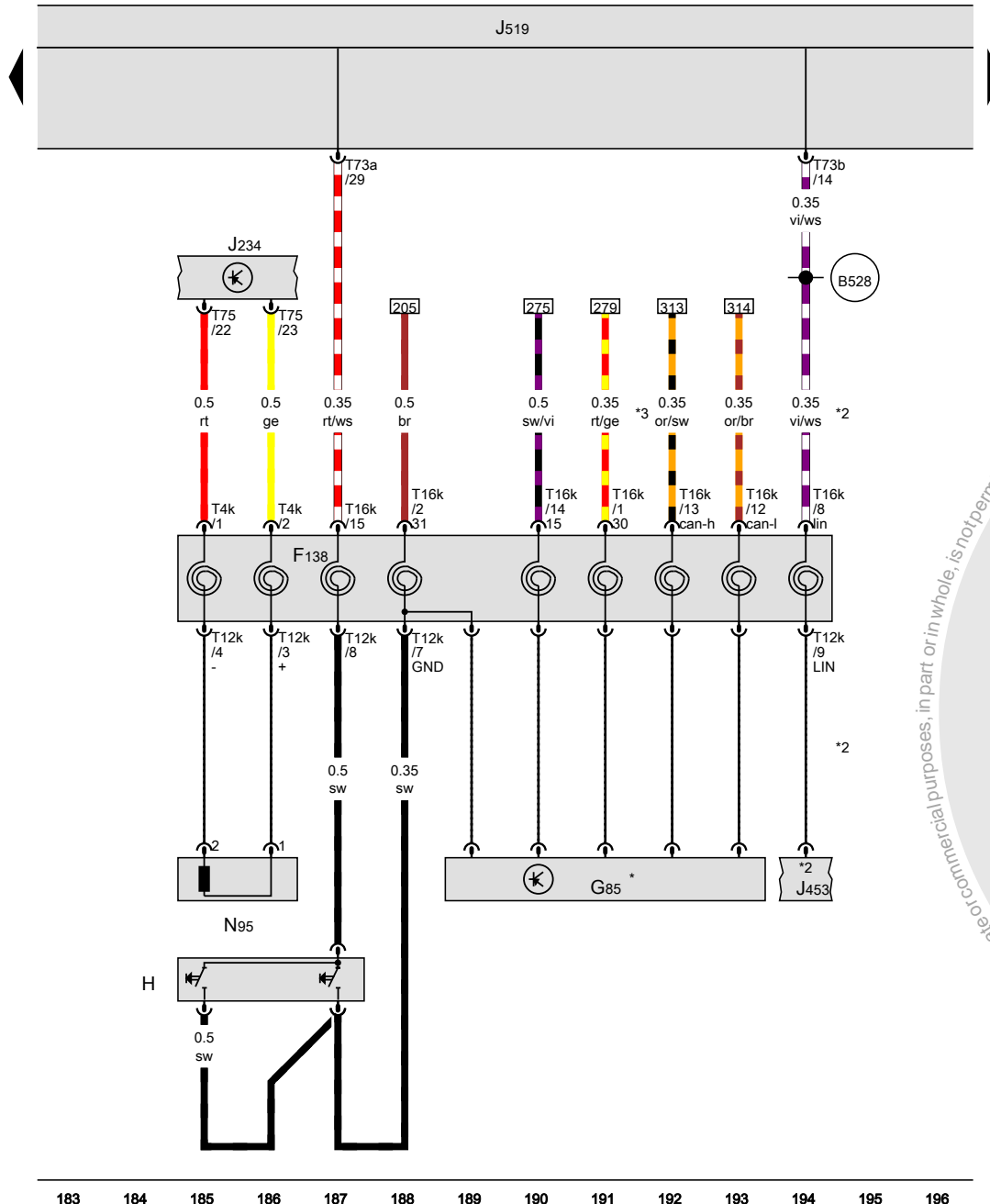


- EX19 Left steering column switch
- EX20 Right steering column switch
- E22 Intermittent wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- J519 Onboard supply control unit
- J623 Engine control unit
- T2bv 2-pin connector
- T10ls 10-pin connector
- T16ls 16-pin connector
- T73b 73-pin connector
- V5 Washer pump

- (A156) Connection (53c), in dash panel wiring harness
- (B441) Connection (CCS), in main wiring harness
- * Only models with cruise control system (CCS)
- *2 Gradually discontinued
- *3 gradual introduction

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Airbag coil connector and return ring with slip ring, Steering angle sender, Onboard supply control unit

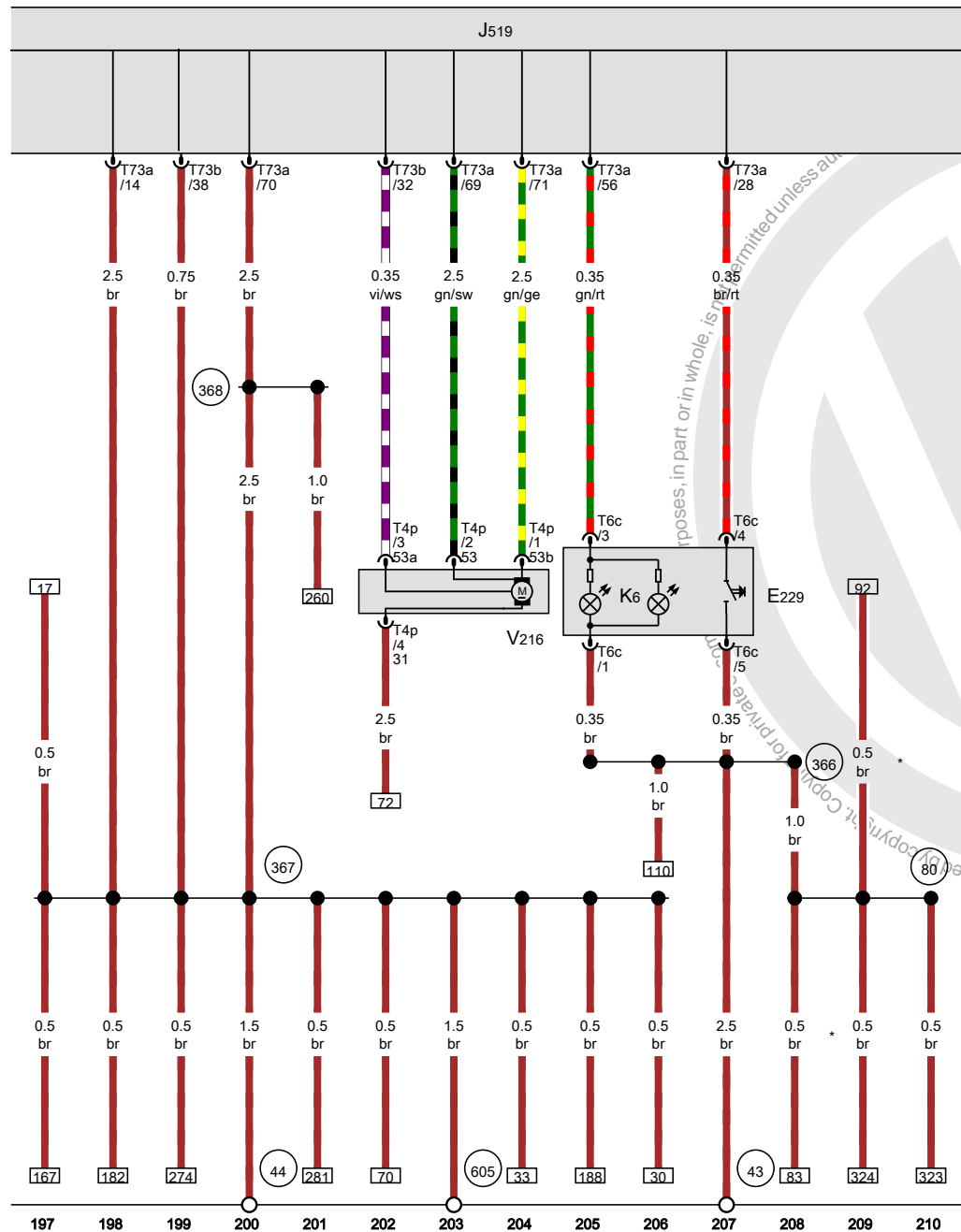


- F138 Airbag coil connector and return ring with slip ring
- G85 Steering angle sender
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector
- T12k 12-pin connector
- T16k 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T75 75-pin connector

- B528 Connection 1 (LIN bus) in main wiring harness
- * According to equipment
- *2 Only models with multifunction steering wheel
- *3 Wiring colour depends on equipment

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- ro = red
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Hazard warning lights button, Onboard supply control unit, Indicator lamp for hazard warning light, Driver side windscreen wiper motor



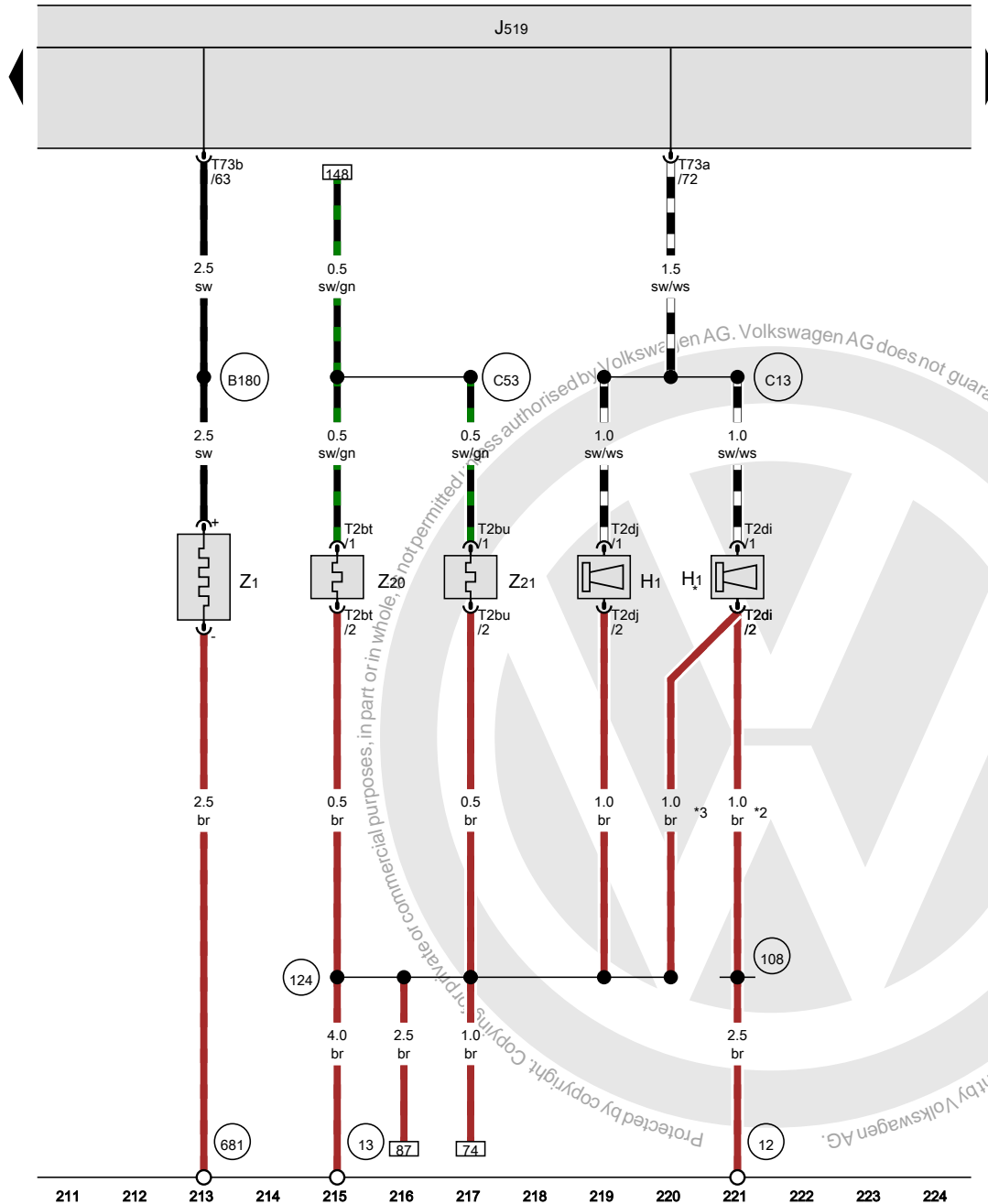
- E229 Hazard warning lights button
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T4p 4-pin connector
- T6c 6-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V216 Driver side windscreen wiper motor

- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 367 Earth connection 2, in main wiring harness
- 368 Earth connection 3, in main wiring harness
- 605 Earth point, on top end of steering column
- * Not for American markets

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[162-001160415]

Horn or dual tone horn, Onboard supply control unit, Heated rear window, Left washer jet heater element, Right washer jet heater element

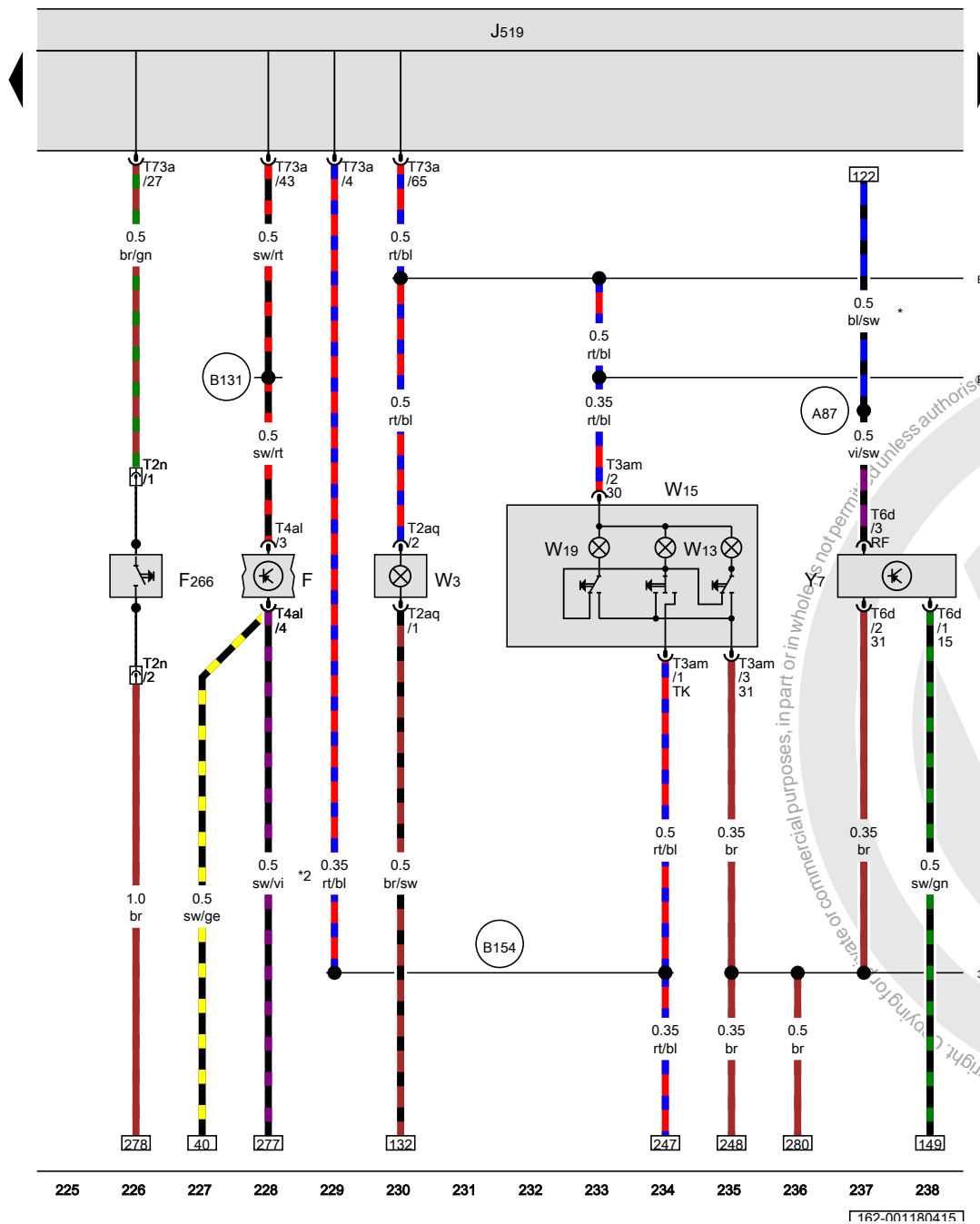


- H1 Horn or dual tone horn
- J519 Onboard supply control unit
- T2bt 2-pin connector
- T2bu 2-pin connector
- T2di 2-pin connector
- T2dj 2-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- Z1 Heated rear window
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element
- 12 Earth point, on left in engine compartment
- 13 Earth point, on right in engine compartment
- 108 Earth connection 2, in front left wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 681 Earth point 1, in rear right side panel
- B180 Connection (heated rear window), in interior wiring harness
- C13 Positive connection in dual tone horn wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness

* Only models with dual tone horn
 *2 gradual introduction
 *3 Gradually discontinued

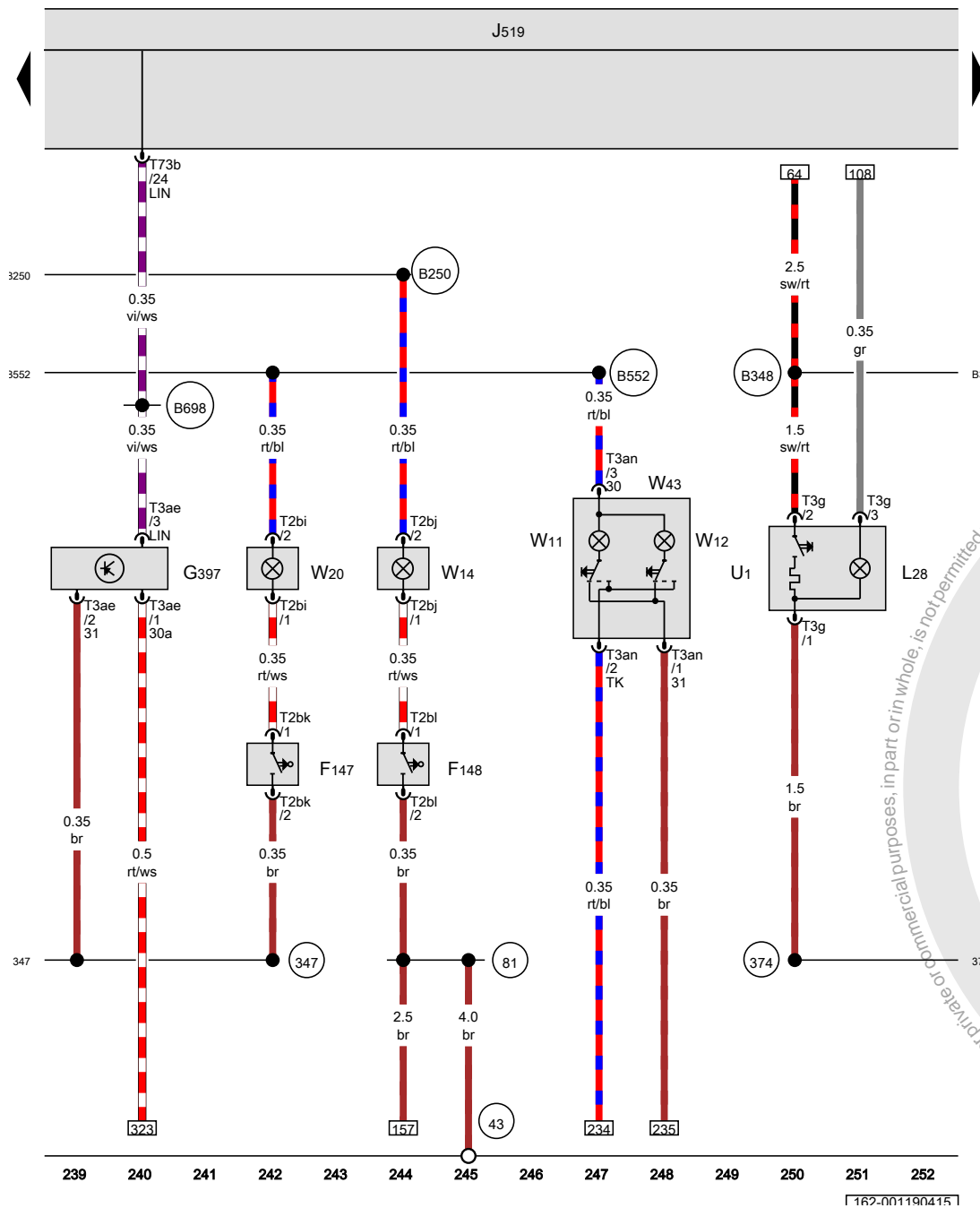
- ws = white
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Brake light switch, Bonnet contact switch, Onboard supply control unit, Luggage compartment light, Front passenger reading light, Interior light with switch-off delay, Driver side reading light



- F Brake light switch
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2n 2-pin connector, near headlight
- T3am 3-pin connector
- T4al 4-pin connector
- T6d 6-pin connector
- T73a 73-pin connector
- W3 Luggage compartment light
- W13 Front passenger reading light
- W15 Interior light with switch-off delay
- W19 Driver side reading light
- Y7 Automatic anti-dazzle interior mirror
- (347) Earth connection, in roof wiring harness
- (A87) Connection (RL), in dash panel wiring harness
- (B131) Connection (54), in interior wiring harness
- (B154) Connection 1 (DCt), in interior wiring harness
- (B250) Positive connection, in roof wiring harness
- (B552) Positive connection 2, in roof wiring harness
- * Only models with automatic anti-dazzle interior mirror
- *2 Gradually discontinued

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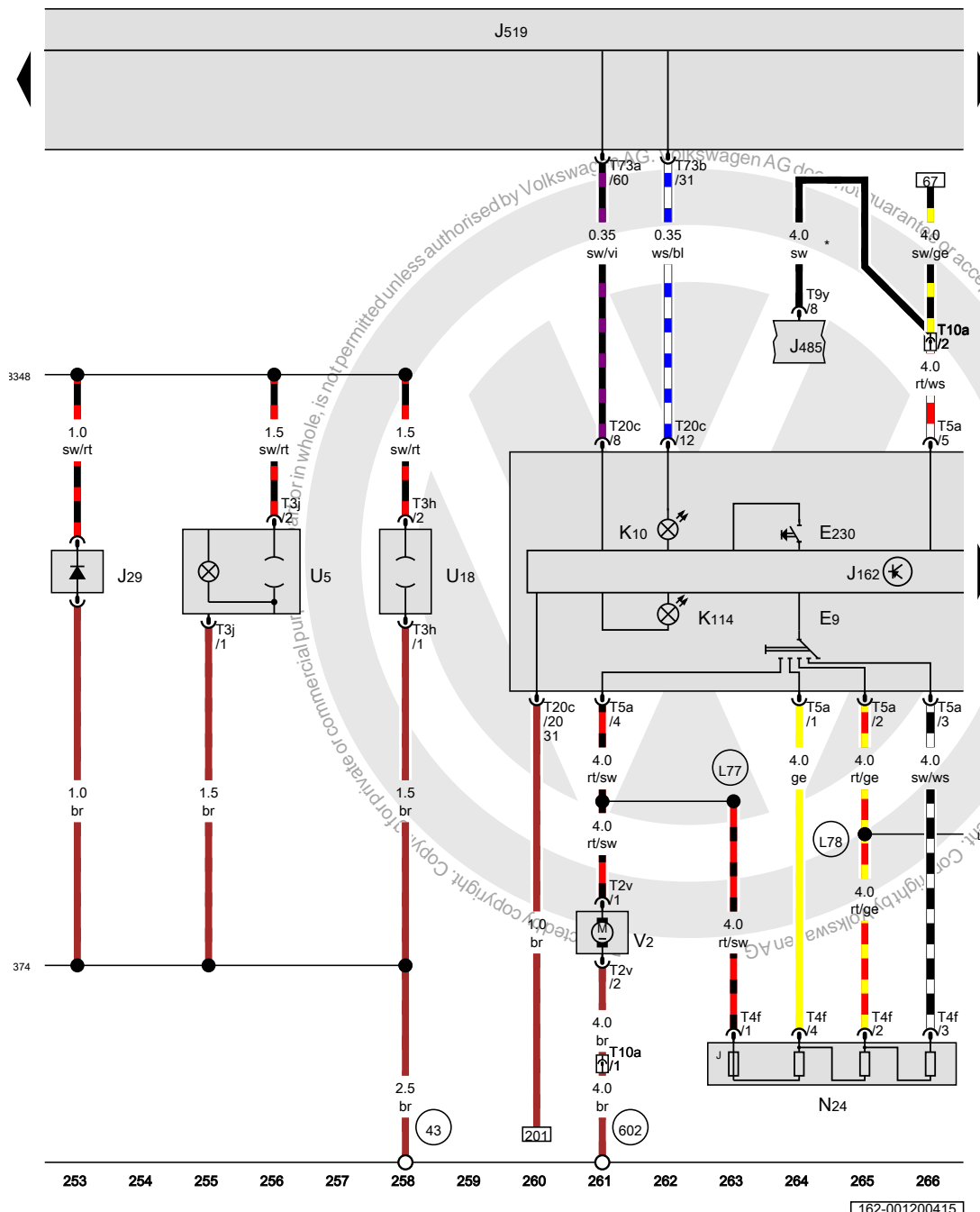


Onboard supply control unit, Cigarette lighter illumination bulb, Cigarette lighter, Rear left reading light, Rear right reading light, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror, Rear interior light

- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- G397 Rain and light sensor
- J519 Onboard supply control unit
- L28 Cigarette lighter illumination bulb
- T2bi 2-pin connector
- T2bj 2-pin connector
- T2bk 2-pin connector
- T2bl 2-pin connector
- T3ae 3-pin connector
- T3an 3-pin connector
- T3g 3-pin connector
- T73b 73-pin connector
- U1 Cigarette lighter
- W11 Rear left reading light
- W12 Rear right reading light
- W14 Front passenger side illuminated vanity mirror
- W20 Driver side illuminated vanity mirror
- W43 Rear interior light

- (43) Earth point, lower part of right A-pillar
- (81) Earth connection 1, in dash panel wiring harness
- (347) Earth connection, in roof wiring harness
- (374) Earth connection 9, in main wiring harness
- (B250) Positive connection, in roof wiring harness
- (B348) Connection 1 (75a), in main wiring harness
- (B552) Positive connection 2, in roof wiring harness
- (B698) Connection 3 (LIN bus) in main wiring harness

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- ge = yellow
- or = orange
- rs = pink



Fresh air blower switch, Blocking diode, Heater control unit, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, 12 V socket, Fresh air blower

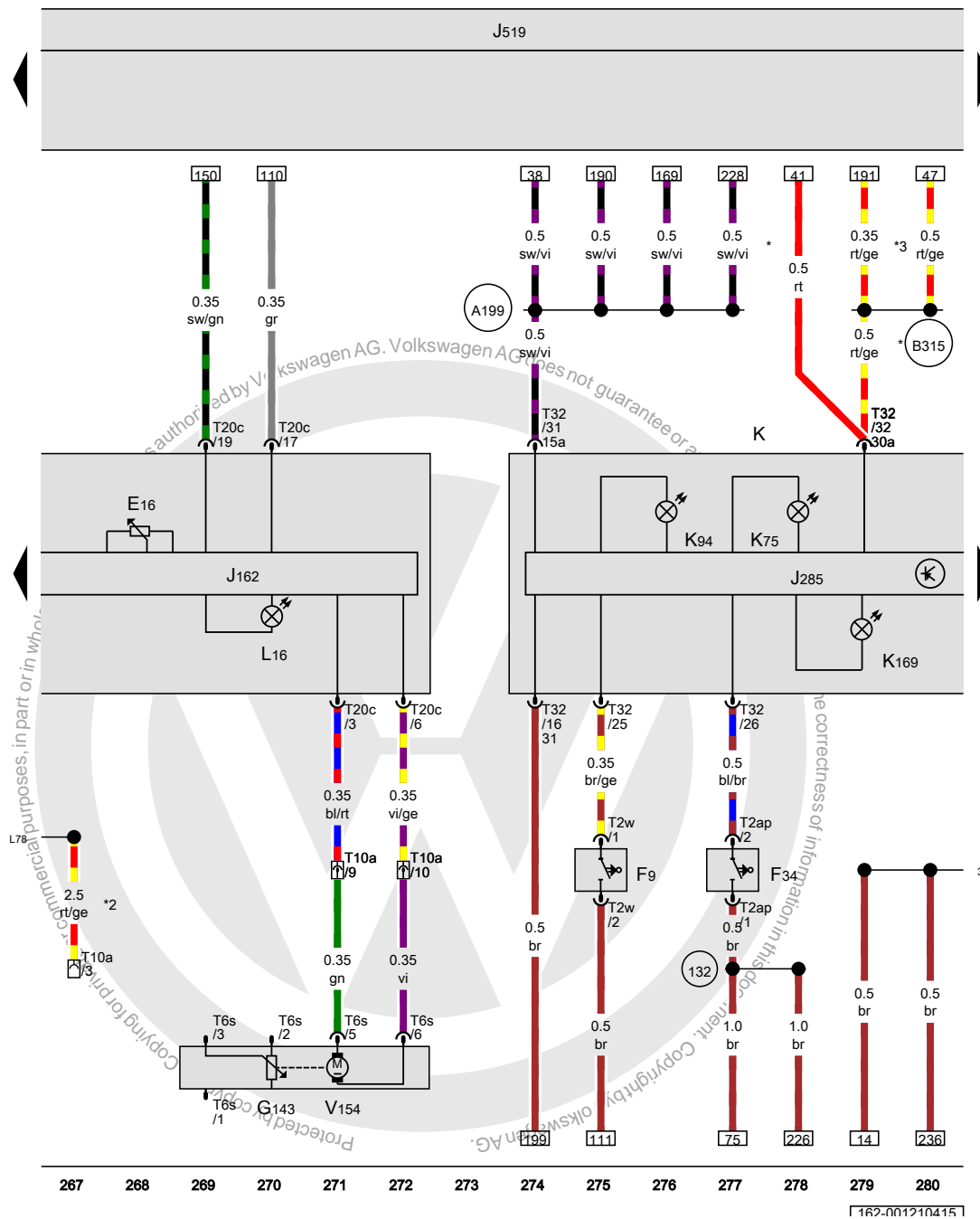
- E9 Fresh air blower switch
- E230 Heated rear window button
- J29 Blocking diode
- J162 Heater control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- N24 Fresh air blower series resistor with overheating fuse
- T2v 2-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T4f 4-pin connector
- T5a 5-pin connector
- T9y 9-pin connector
- T10a 10-pin connector, on heater and air conditioner unit
- T20c 20-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- U5 12 V socket
- U18 12 V socket 2
- V2 Fresh air blower

- (43) Earth point, lower part of right A-pillar
- (374) Earth connection 9, in main wiring harness
- (602) Earth point, in front left footwell
- (B348) Connection 1 (75a), in main wiring harness
- (L77) Connection, in fresh air blower wiring harness
- (L78) Connection 1, in fresh air blower wiring harness

* Only models with auxiliary coolant heater

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- bl = blue
- gr = grey
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- ge = yellow
- or = orange
- rs = pink

162-001200415



Handbrake warning switch, Brake fluid level warning contact, Heater control unit, Onboard supply control unit, Dash panel insert, Fresh air and air recirculation flap control motor

- E16 Heater/heat output switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- G143 Potentiometer for air recirculation flap control motor
- J162 Heater control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K75 Airbag warning lamp
- K94 Right turn signal warning lamp
- K169 Selector lever lock warning lamp
- L16 Fresh air regulator illumination bulb
- T2ap 2-pin connector
- T2w 2-pin connector
- T6s 6-pin connector
- T10a 10-pin connector
- T20c 20-pin connector
- T32 32-pin connector
- V154 Fresh air and air recirculation flap control motor

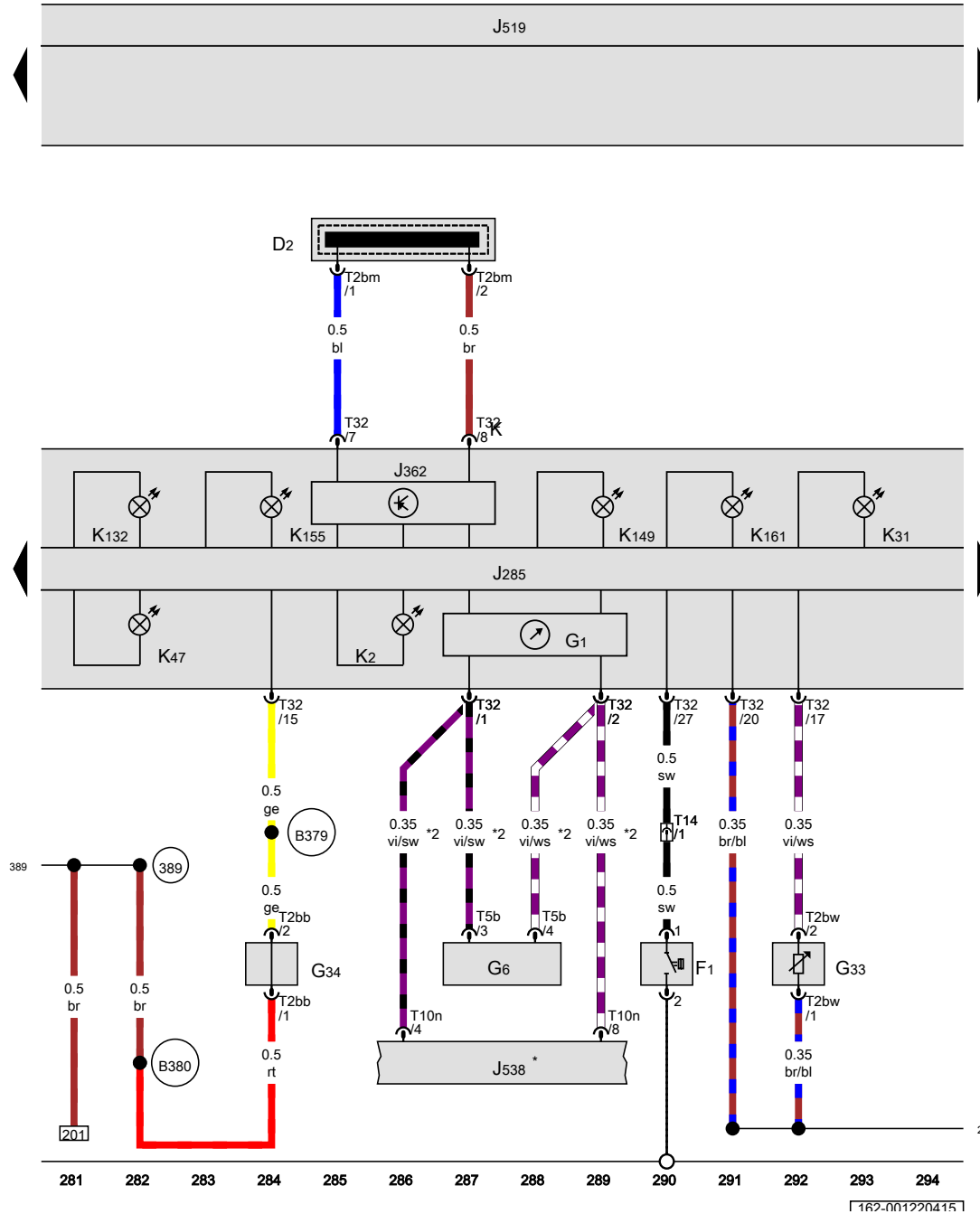
- (132) Earth connection 3, in engine compartment wiring harness
- (389) Earth connection 24, in main wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (B315) Positive connection 1 (30a) in main wiring harness
- (L78) Connection 1, in fresh air blower wiring harness

- * Gradually discontinued
- *2 Only models with auxiliary coolant heater
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Immobiliser reader coil, Oil pressure switch, Windscreen washer fluid level sender, Front left brake pad wear sender, Immobiliser control unit, Onboard supply control unit, Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- G1 Fuel gauge
- G6 Fuel system pressurisation pump
- G33 Windscreen washer fluid level sender
- G34 Front left brake pad wear sender
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K31 Cruise control system warning lamp
- K47 ABS warning lamp
- K132 Electronic power control fault lamp
- K149 Engine electronics warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K161 Electromechanical power steering warning lamp
- T2bb 2-pin connector
- T2bm 2-pin connector
- T2bw 2-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- T14 14-pin connector
- T32 32-pin connector



269 Earth connection (sender earth) 1, in dash panel wiring harness

389 Earth connection 24, in main wiring harness

B379 Connection 1 (brake pad wear indicator), in main wiring harness

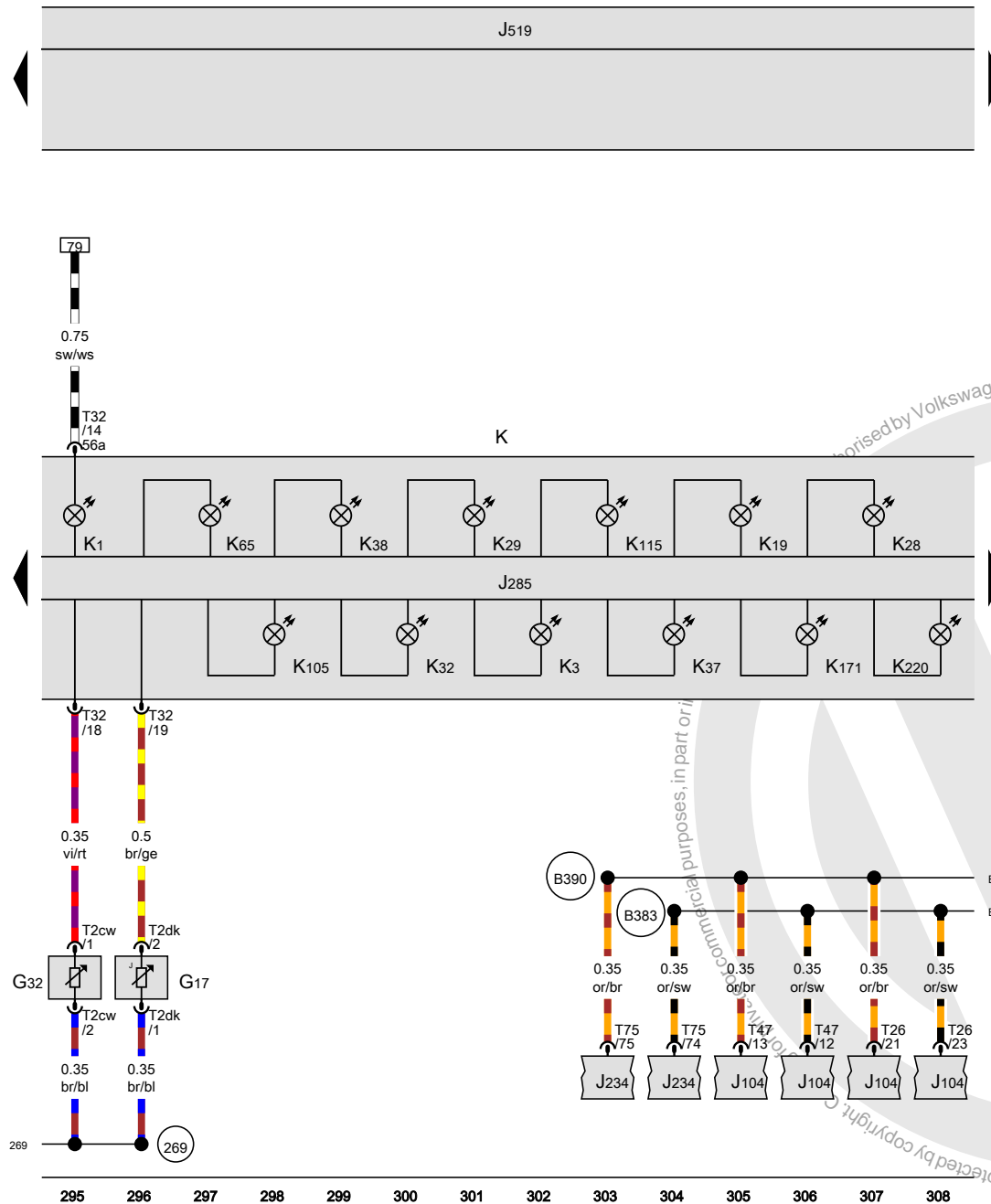
B380 Connection 2 (brake pad wear indicator), in main wiring harness

* see applicable current flow diagram for engine According to equipment

*2

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Dash panel insert



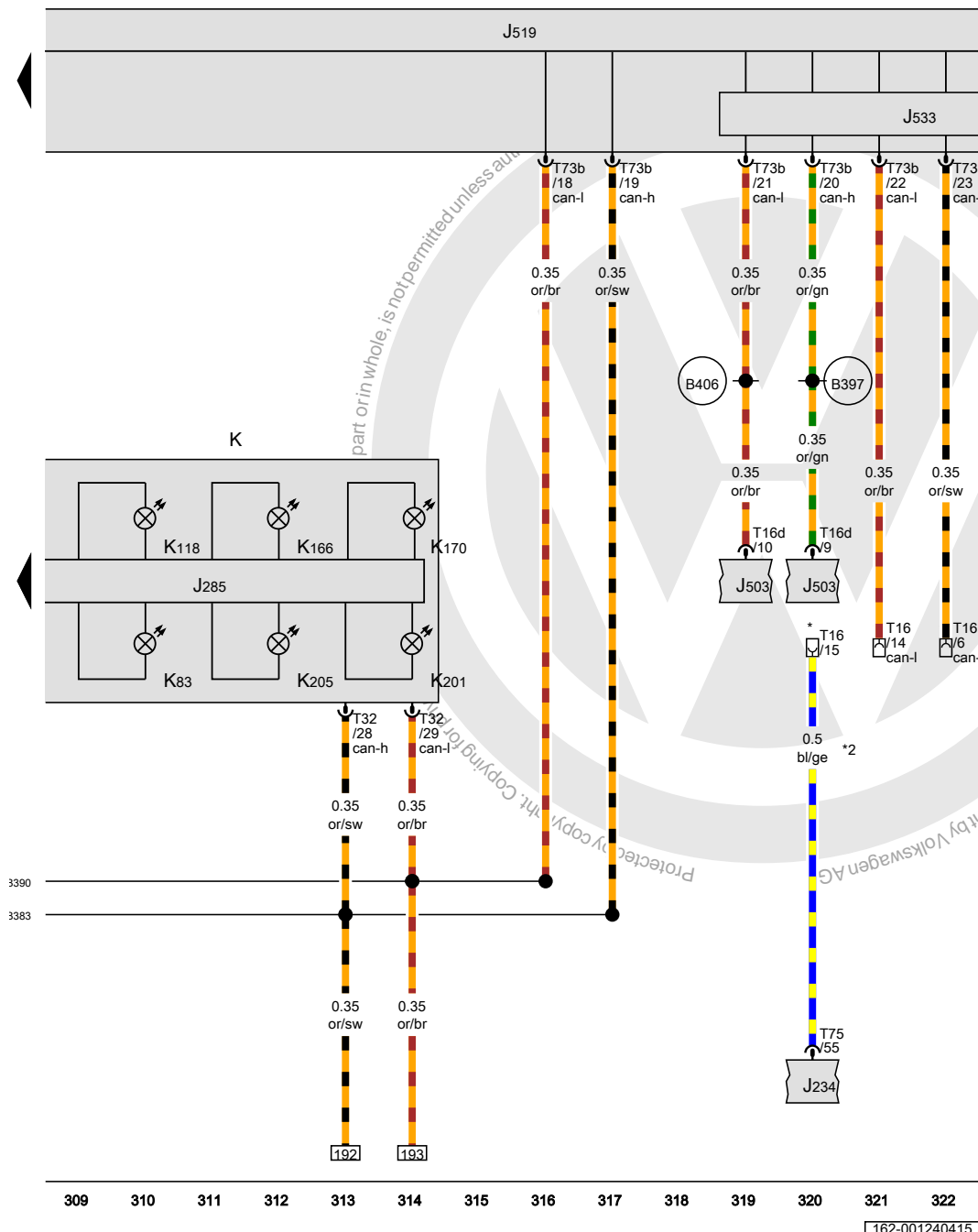
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- J104 ABS control unit
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K1 Main beam warning lamp
- K3 Oil pressure warning lamp
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K32 Brake pad warning lamp
- K37 Washer fluid level warning lamp
- K38 Oil level warning lamp
- K65 Left turn signal warning lamp
- K105 Reserve fuel warning lamp
- K115 Immobiliser warning lamp
- K171 Bonnet open warning lamp
- K220 Tyre Pressure Loss Indicator warning lamp
- T2cw 2-pin connector
- T2dk 2-pin connector
- T26 26-pin connector
- T32 32-pin connector
- T47 47-pin connector
- T75 75-pin connector

- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-001230415

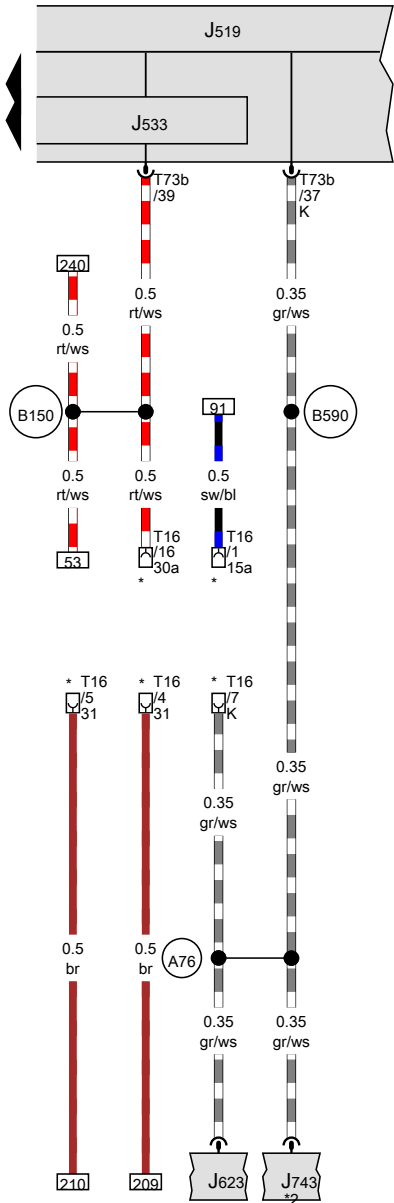
Onboard supply control unit, Dash panel insert



- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K83 Exhaust emissions warning lamp
- K118 Brake system warning lamp
- K166 Door open warning lamp
- K170 Bulb failure warning lamp
- K201 Fuel tank flap lock warning lamp
- K205 Warning lamp for daytime running lights
- T16 16-pin connector
- T16d 16-pin connector
- T32 32-pin connector
- T73b 73-pin connector
- T75 75-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Only for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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Onboard supply control unit

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T73b 73-pin connector
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B590 K-diagnosis wire connection, in interior wiring harness
- * Diagnostic connection
- *2 Only models with automatic gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

323 324 325 326 327 328 329 330 331 332 333 334 335 336

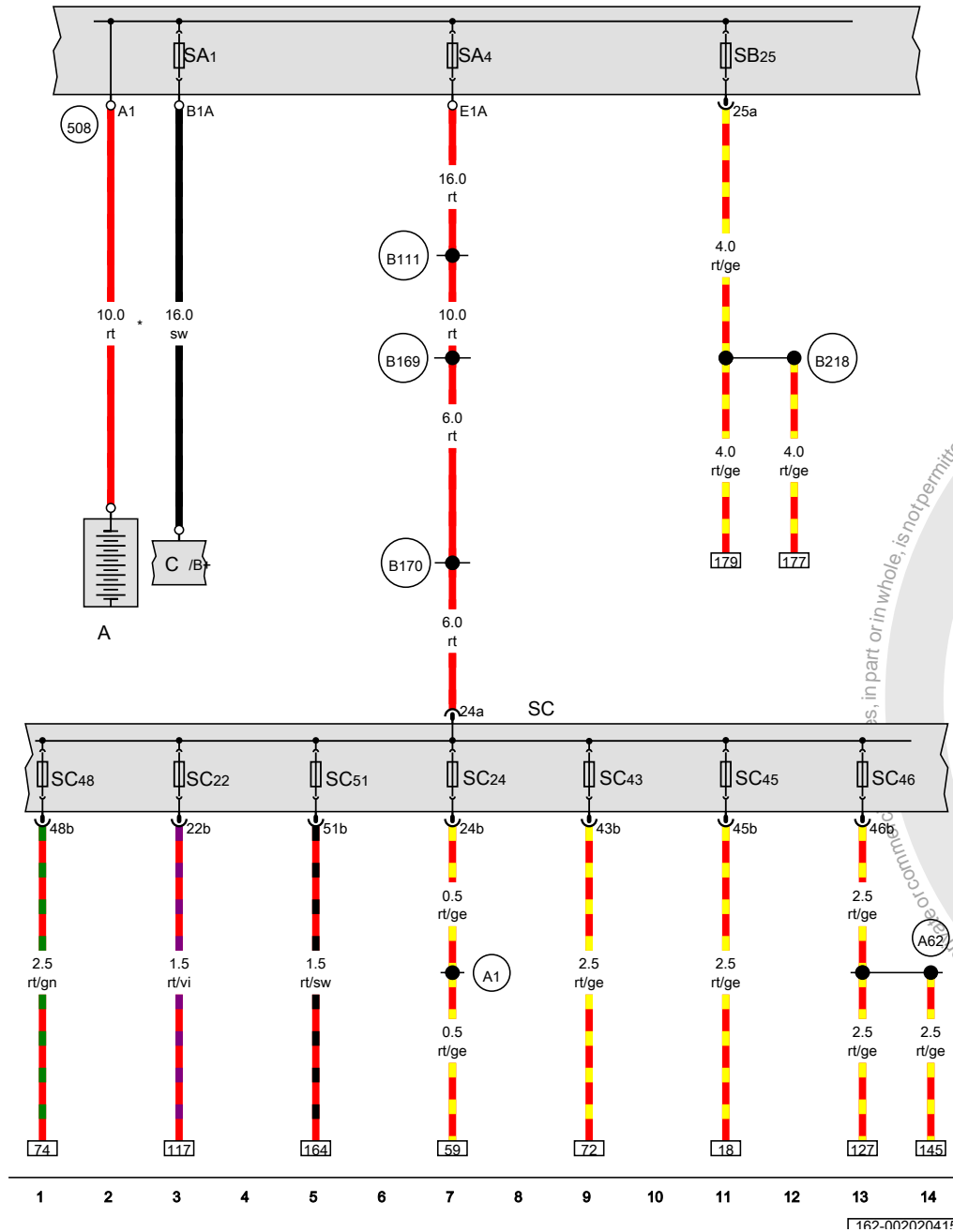
[162-001250415]

Convenience system , (AW0)

From April 2010



Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 25 on fuse holder B, Fuse holder C



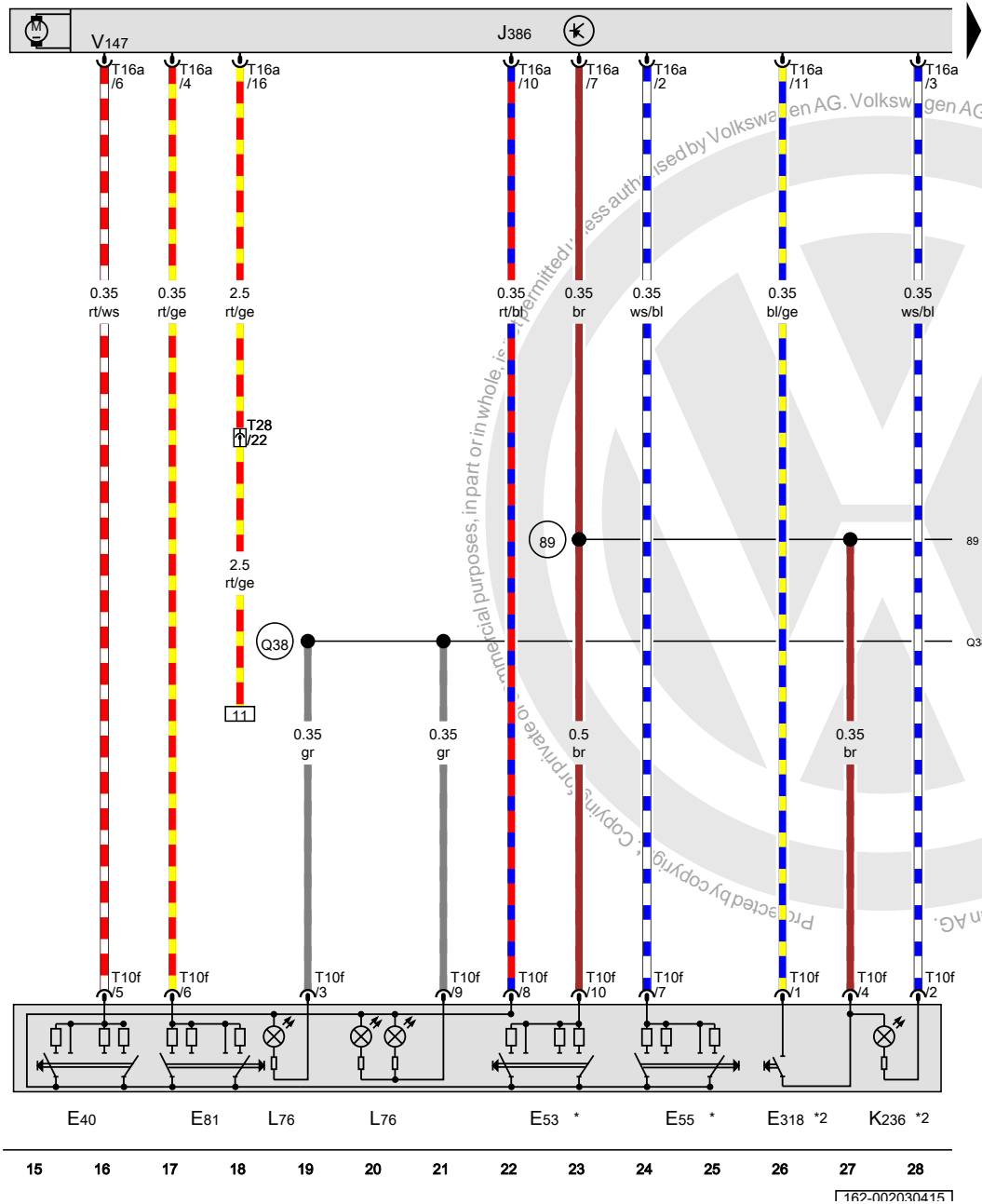
- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- 508 Threaded connection (30) on E-box
- A1 Positive connection (30a), in dash-panel wiring harness
- A62 Connection (window regulators), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- * Cross-section 16.0 possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-002020415

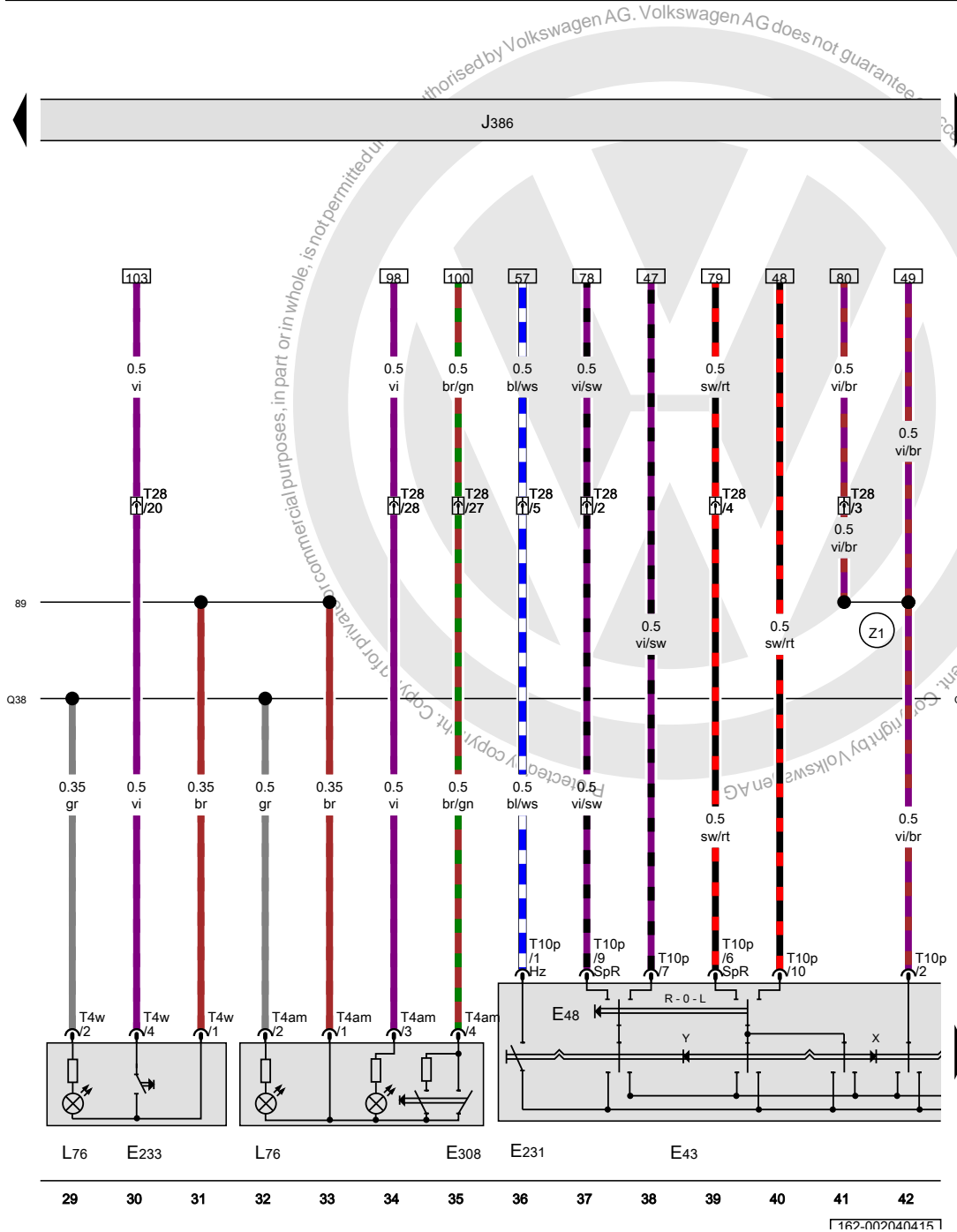
Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit

- E40 Front left window regulator switch
- E53 Rear left window regulator switch, in driver door
- E55 Rear right window regulator switch, in driver door
- E81 Front right window regulator switch in driver door
- E318 Childproof lock button
- J386 Driver door control unit
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T10f 10-pin connector
- T16a 16-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- V147 Driver side window regulator motor
- 89 Earth connection 1, in window regulator wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- * Only models with front and rear window regulators
- *2 Only models with childproof locks



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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-002030415

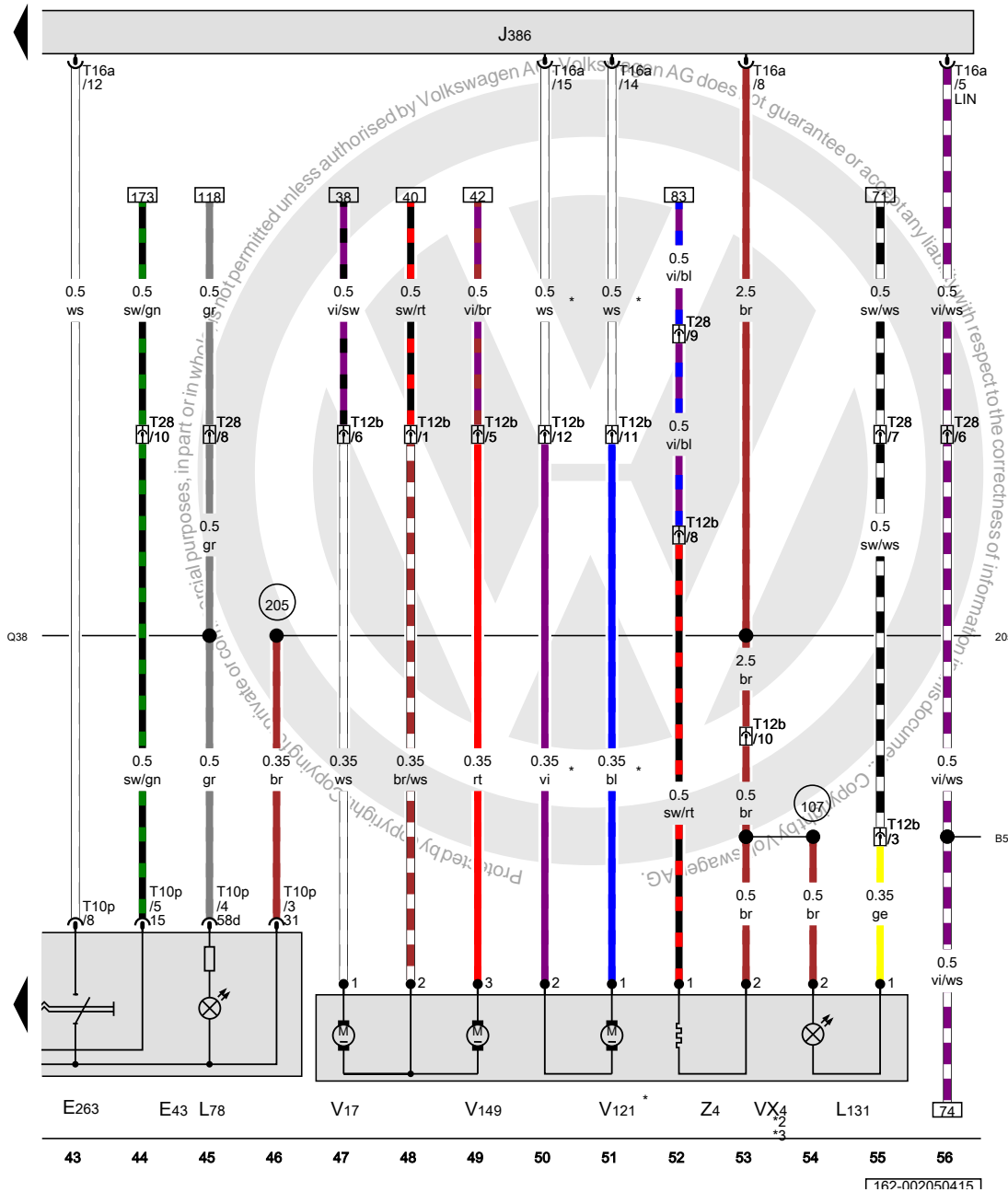


Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Rear lid remote release button, Driver side interior locking button for central locking system, Driver door control unit, Button illumination bulb

- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E233 Rear lid remote release button
- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- L76 Button illumination bulb
- T4am 4-pin connector
- T4w 4-pin connector
- T10p 10-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side

- 89 Earth connection 1, in window regulator wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

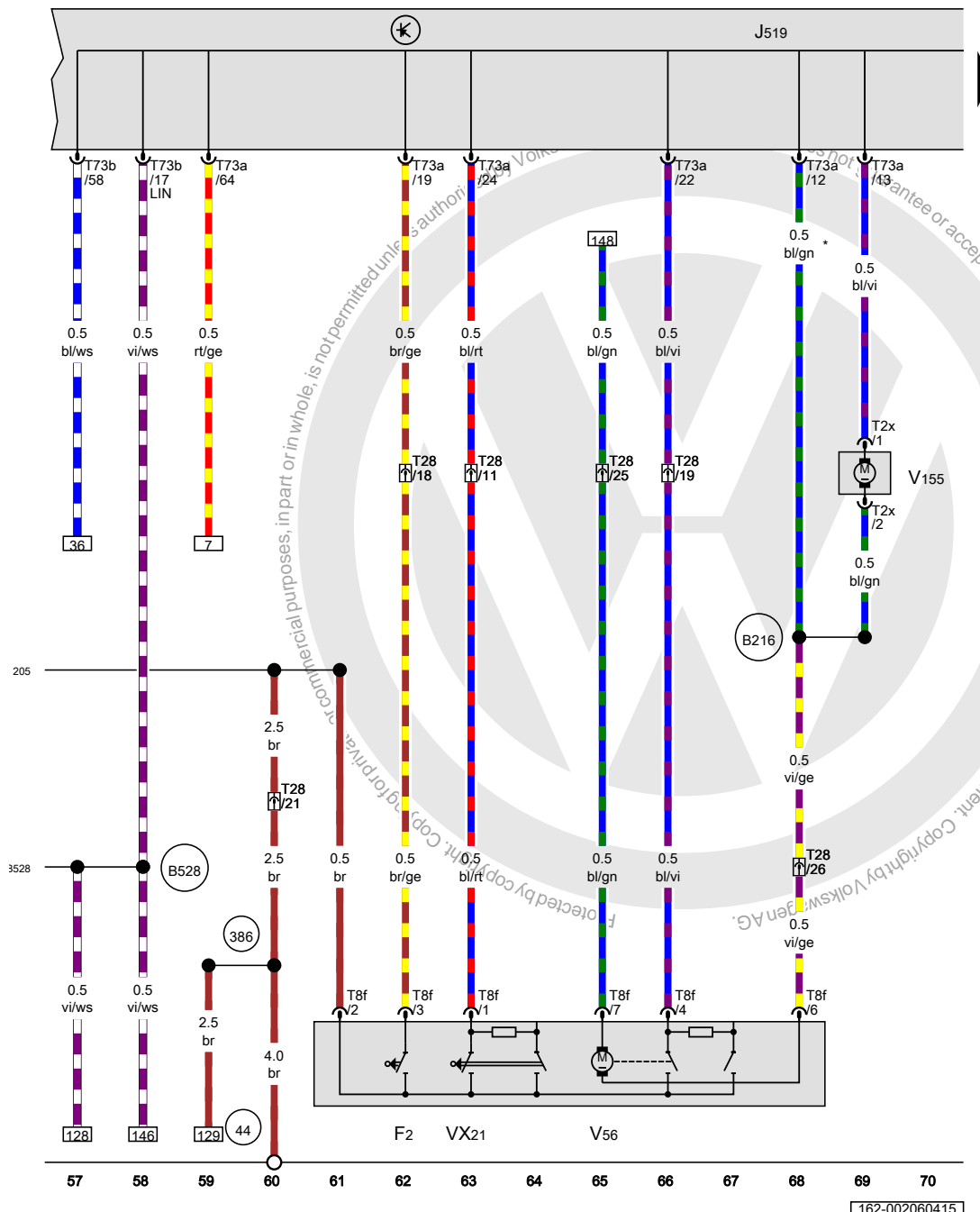


Mirror adjustment switch, Fold-in mirror switch, Driver door control unit, Mirror adjustment switch illumination bulb, Driver side exterior mirror, Driver side mirror adjustment motor 2, Driver side fold-in mirror motor, Driver side mirror adjustment motor

- E43 Mirror adjustment switch
 - E263 Fold-in mirror switch
 - J386 Driver door control unit
 - L78 Mirror adjustment switch illumination bulb
 - L131 Driver side turn signal repeater bulb
 - T10p 10-pin connector
 - T12b 12-pin connector, in driver door wiring harness
 - T16a 16-pin connector
 - T28 28-pin connector, lower part of A-pillar, driver side
 - VX4 Driver side exterior mirror
 - V17 Driver side mirror adjustment motor 2
 - V121 Driver side fold-in mirror motor
 - V149 Driver side mirror adjustment motor
 - Z4 Heated exterior mirror on driver side
- (107) Earth connection, in external mirror wiring harness
 - (205) Earth connection, in driver door wiring harness
 - (B52) Connection 1 (LIN bus) in main wiring harness
 - (Q38) Positive connection 1 (58b), in window regulator wiring harness
- * Gradually discontinued
 - *2 Pre-wired component
 - *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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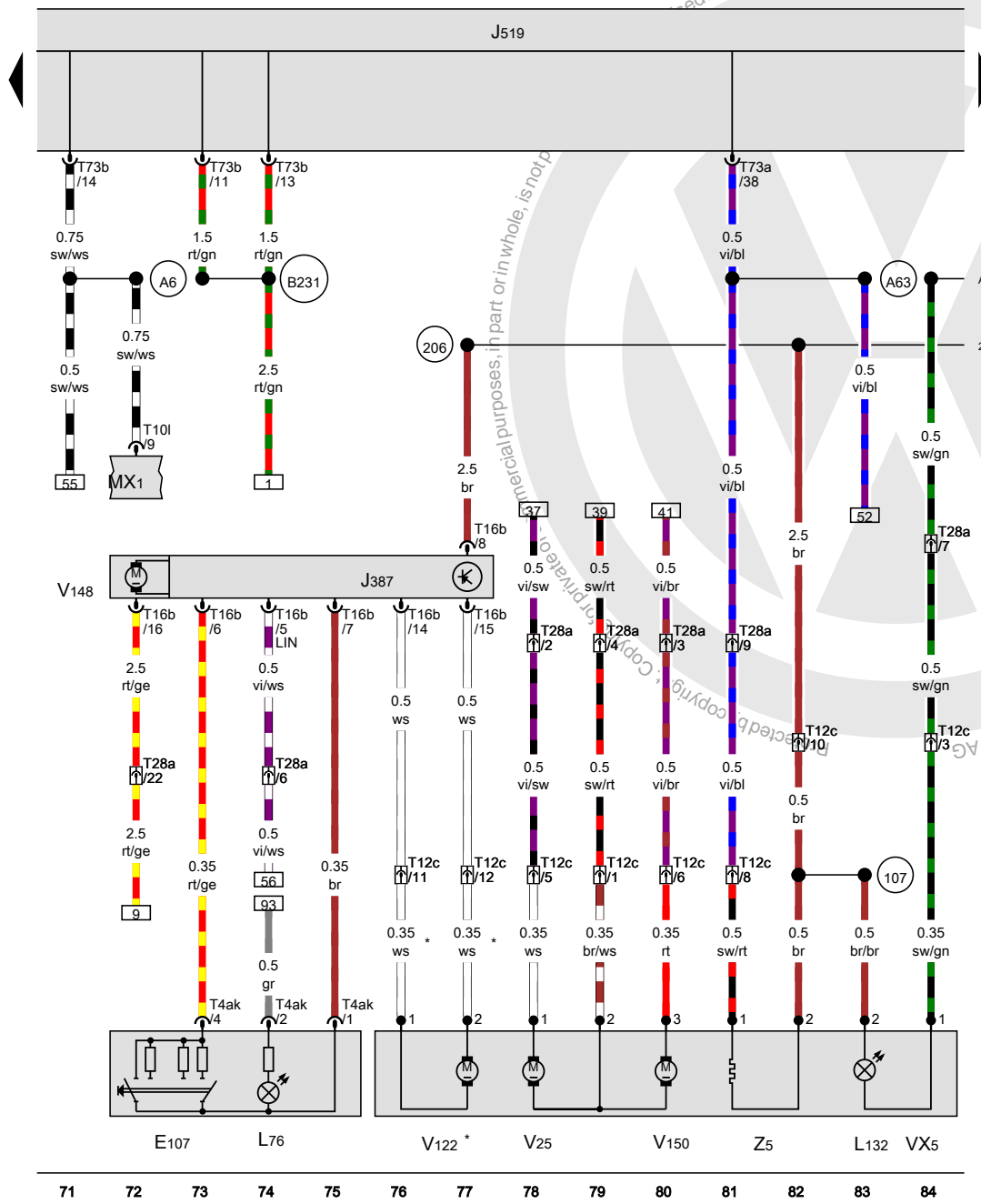
Driver door contact switch, Onboard supply control unit, Driver door lock unit, Driver door central locking motor, Tank filler flap locking motor

- F2 Driver door contact switch
- J519 Onboard supply control unit
- T2x 2-pin connector
- T8f 8-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V155 Tank filler flap locking motor

- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- B216 Connection 3 (central locking), in interior wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

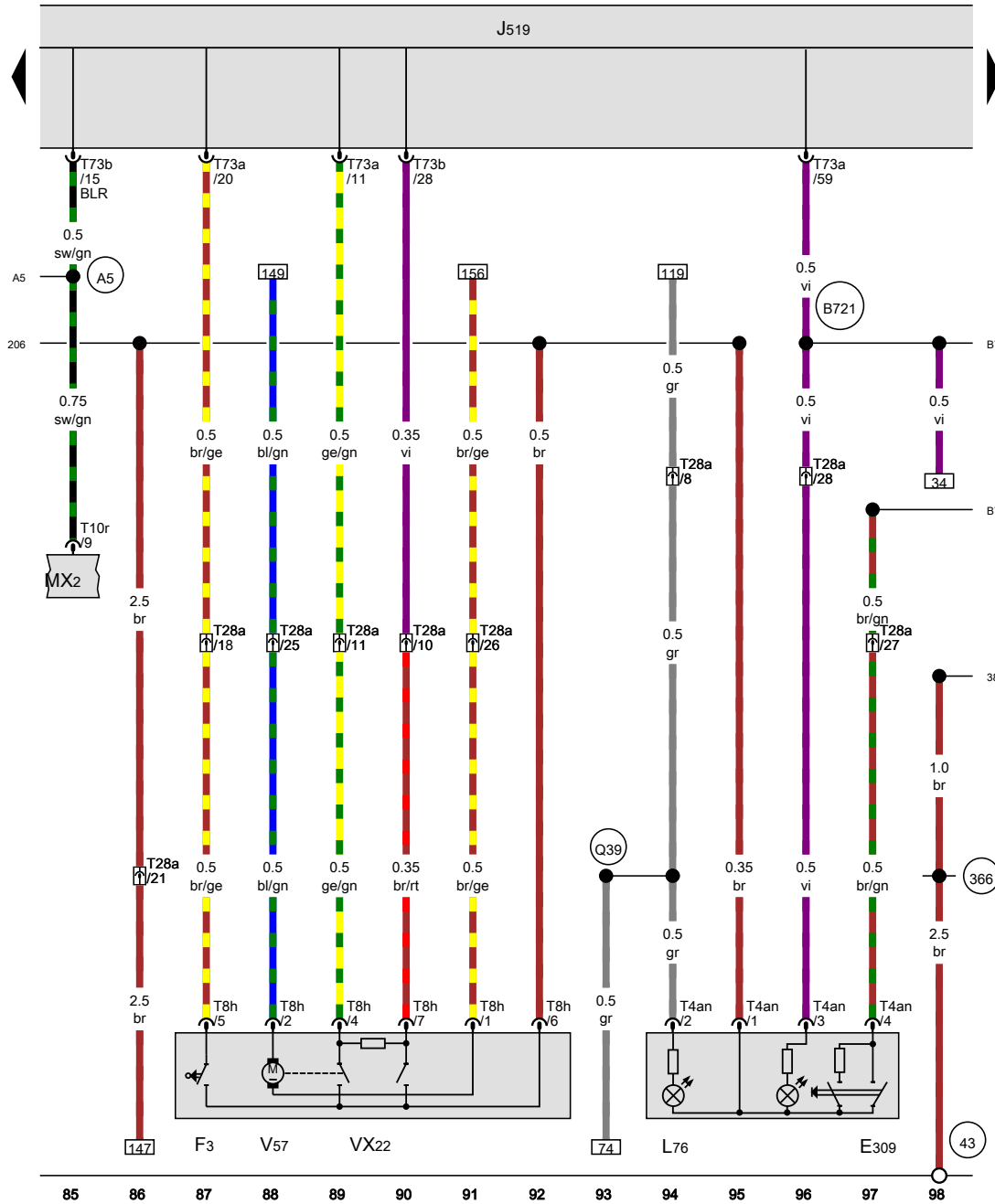


Window regulator switch in front passenger door, Front passenger door control unit, Onboard supply control unit, Front passenger side turn signal repeater bulb, Front passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side window regulator motor, Front passenger side mirror adjustment motor

- E107 Window regulator switch in front passenger door
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- L132 Front passenger side turn signal repeater bulb
- MX1 Front left headlight
- T4ak 4-pin connector
- T10I 10-pin connector
- T12c 12-pin connector, in front passenger door
- T16b 16-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T73a 73-pin connector
- T73b 73-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V148 Front passenger side window regulator motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

- (107) Earth connection, in external mirror wiring harness
- (206) Earth connection, in front passenger door wiring harness
- (A5) Positive connection (right turn signal), in dash panel wiring harness
- (A6) Positive connection (left turn signal), in dash panel wiring harness
- (A63) Connection (mirror adjustment/heating), in dash panel wiring harness
- (B231) Positive connection 5 (30a), in interior wiring harness
- * Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



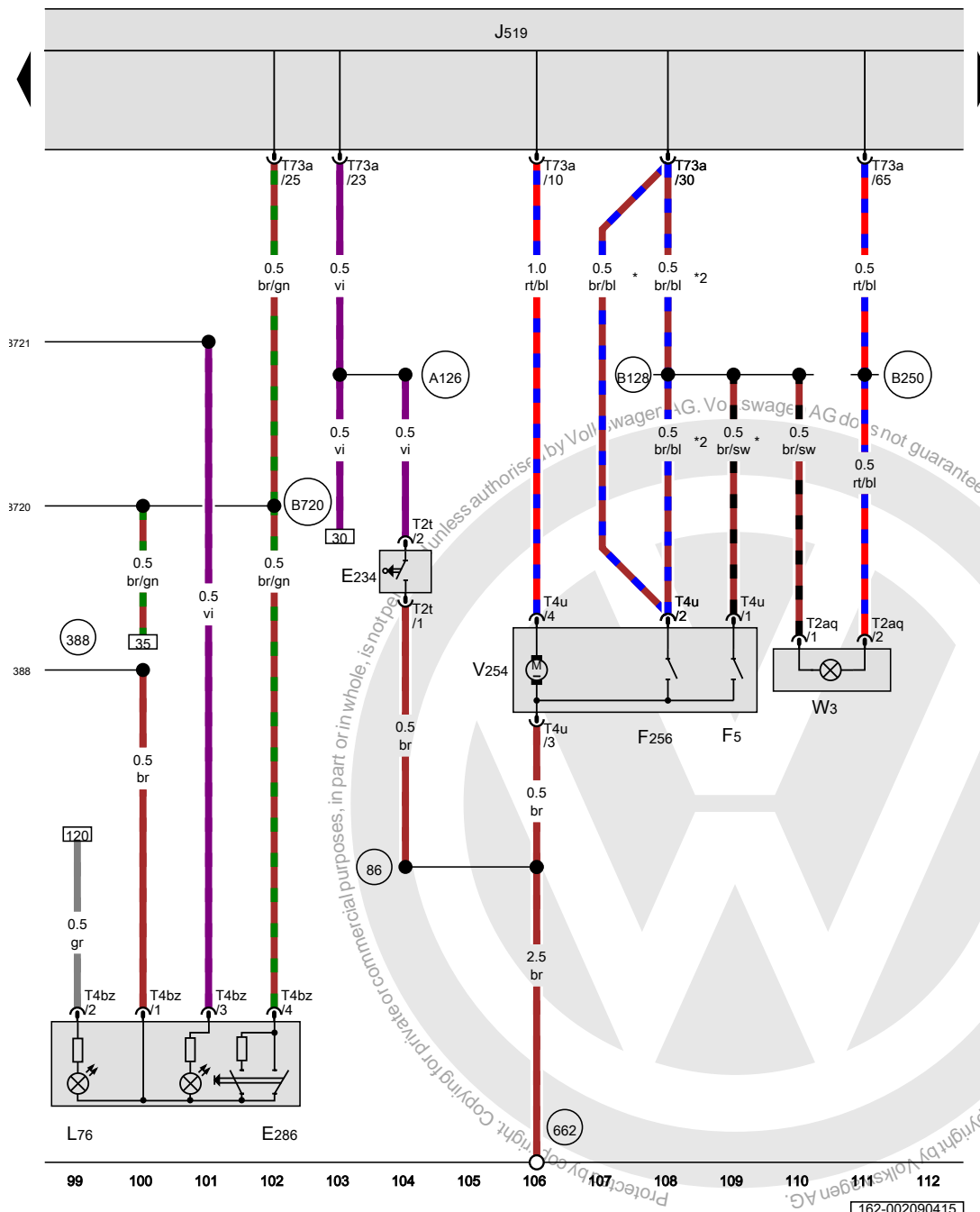
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Front passenger side interior locking button for central locking system, Front passenger door contact switch, Onboard supply control unit, Front passenger door lock unit, Front passenger seat central locking motor

- E309 Front passenger side interior locking button for central locking system
- F3 Front passenger door contact switch
- J519 Onboard supply control unit
- L76 Button illumination bulb
- MX2 Front right headlight
- T4an 4-pin connector
- T8h 8-pin connector
- T10r 10-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T73a 73-pin connector
- T73b 73-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor

- (43) Earth point, lower part of right A-pillar
- (206) Earth connection, in front passenger door wiring harness
- (366) Earth connection 1, in main wiring harness
- (388) Earth connection 23, in main wiring harness
- (A5) Positive connection (right turn signal), in dash panel wiring harness
- (B720) Connection 1 (central locking), in main wiring harness
- (B721) Connection 2 (central locking), in main wiring harness
- (Q39) Positive connection 2 (58b), in window regulator wiring harness

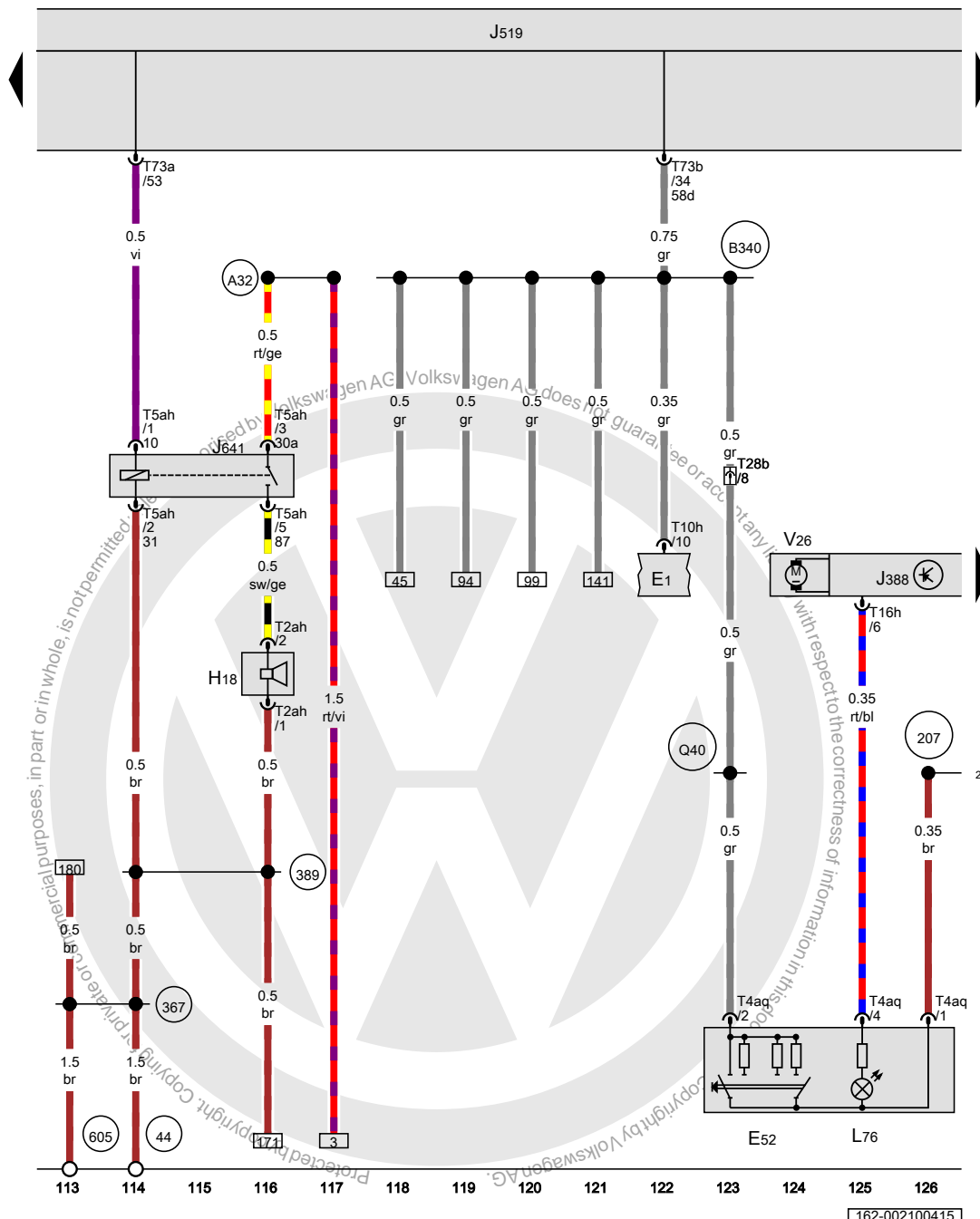
162-002080415



Rear lid handle release button, Rear central switch for interior locking, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Rear lid electric opener motor, Luggage compartment light

- E234 Rear lid handle release button
- E286 Rear central switch for interior locking
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T2aq 2-pin connector
- T2t 2-pin connector
- T4bz 4-pin connector
- T4u 4-pin connector
- T73a 73-pin connector
- V254 Rear lid electric opener motor
- W3 Luggage compartment light
- 86 Earth connection 1, in rear wiring harness
- 388 Earth connection 23, in main wiring harness
- 662 Earth point, rear left side panel
- A126 Connection (rear lid contact switch), in dash panel wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- B720 Connection 1 (central locking), in main wiring harness
- B721 Connection 2 (central locking), in main wiring harness
- * Gradually discontinued
- *2 gradual introduction

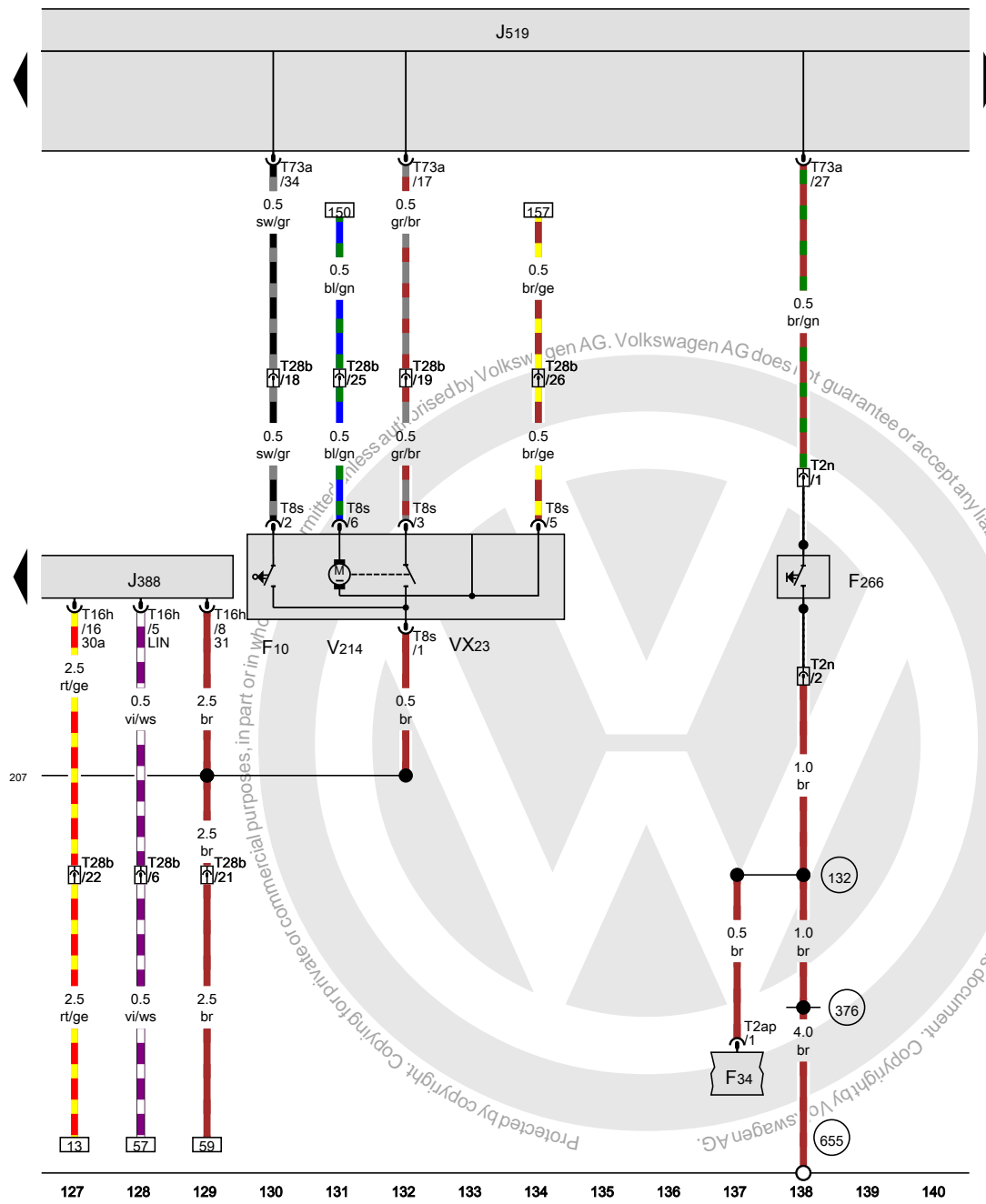
- ws = white
- wb = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear left window regulator switch, in door, Rear left door control unit, Onboard supply control unit, Rear left window regulator motor

- E1 Light switch
 - E52 Rear left window regulator switch, in door
 - H18 Alarm system horn
 - J388 Rear left door control unit
 - J519 Onboard supply control unit
 - J641 Alarm horn relay
 - L76 Button illumination bulb
 - T2ah 2-pin connector
 - T4aq 4-pin connector
 - T5ah 5-pin connector
 - T10h 10-pin connector
 - T16h 16-pin connector
 - T28b 28-pin connector, on left B-pillar
 - T73a 73-pin connector
 - T73b 73-pin connector
 - V26 Rear left window regulator motor
- 44 Earth point, lower part of left A-pillar
 - 207 Earth connection, in rear left door wiring harness
 - 367 Earth connection 2, in main wiring harness
 - 389 Earth connection 24, in main wiring harness
 - 605 Earth point, on top end of steering column
 - A32 Positive connection (30), in dash panel wiring harness
 - B340 Connection 1 (58d), in main wiring harness
 - Q40 Positive connection 3 (58b), in window regulator wiring harness

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- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear left door contact switch, Bonnet contact switch, Rear left door control unit, Onboard supply control unit, Rear left door lock unit, Rear left door central locking motor, lock

- F10 Rear left door contact switch
- F34 Brake fluid level warning contact
- F266 Bonnet contact switch
- J388 Rear left door control unit
- J519 Onboard supply control unit
- T2ap 2-pin connector
- T2n 2-pin connector
- T8s 8-pin connector
- T16h 16-pin connector
- T28b 28-pin connector, on left B-pillar
- T73a 73-pin connector
- VX23 Rear left door lock unit
- V214 Rear left door central locking motor, lock

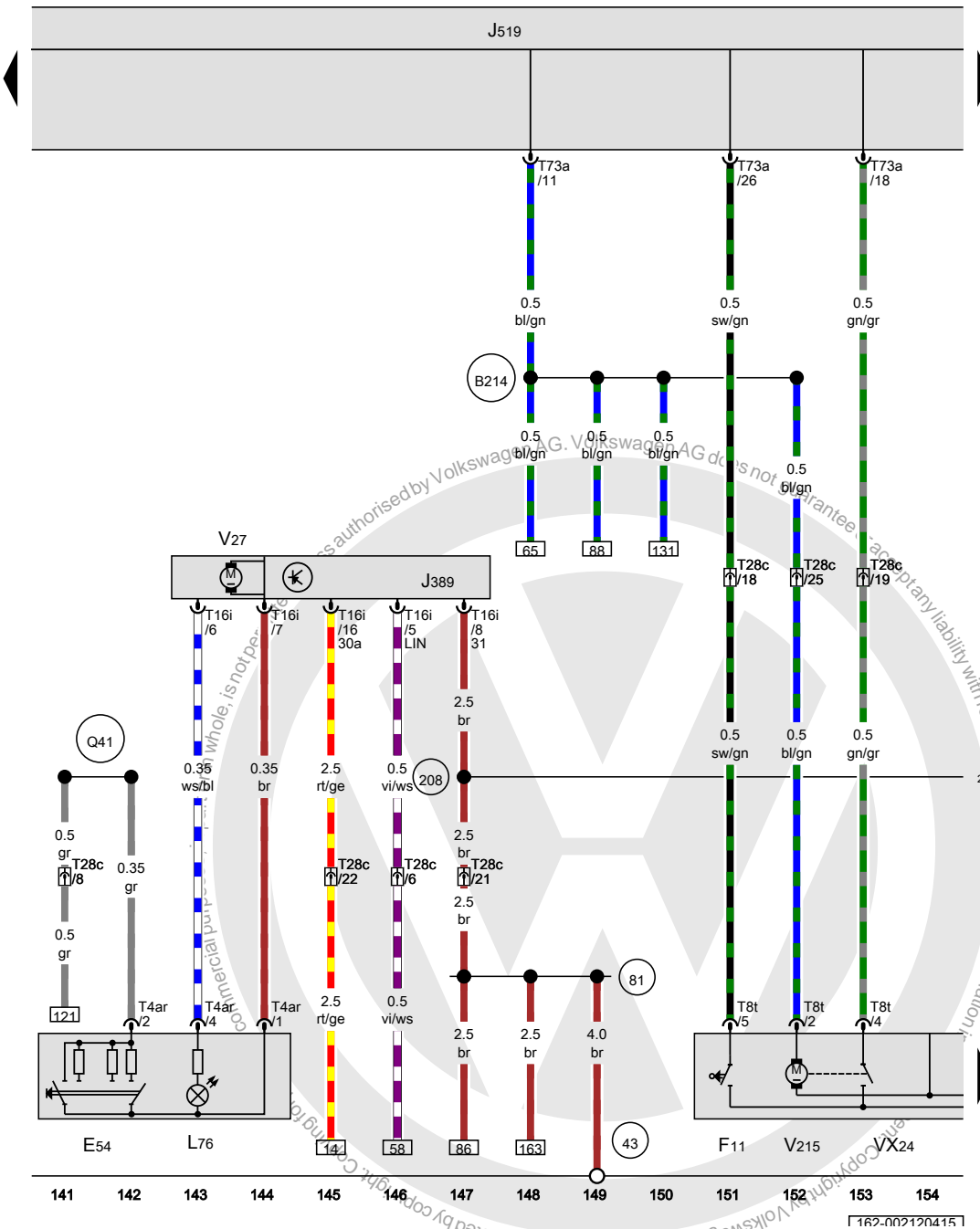
- (132) Earth connection 3, in engine compartment wiring harness
- (207) Earth connection, in rear left door wiring harness
- (376) Earth connection 11, in main wiring harness
- (655) Earth point, on left headlight

- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

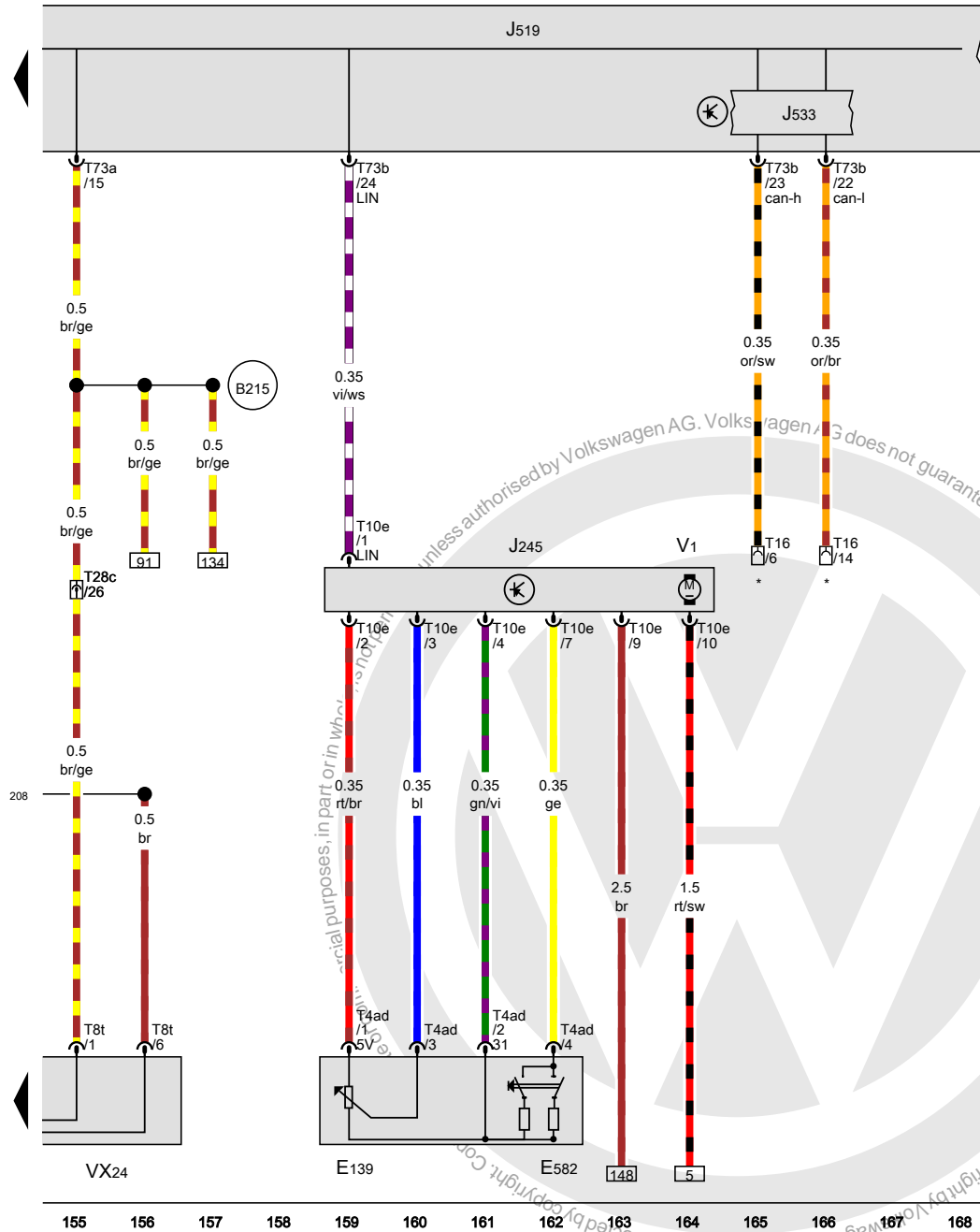
Rear right window regulator switch, in door, Rear right door contact switch, Rear right door control unit, Onboard supply control unit, Rear right door lock unit, Rear right window regulator motor, Rear right door central locking motor, lock

- E54 Rear right window regulator switch, in door
- F11 Rear right door contact switch
- J389 Rear right door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T8t 8-pin connector
- T16i 16-pin connector
- T28c 28-pin connector, on right B-pillar
- T73a 73-pin connector
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 208 Earth connection, in rear right door wiring harness
- B214 Connection 1 (central locking), in interior wiring harness
- Q41 Positive connection 4 (58b), in window regulator wiring harness



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- bl = blue
- gr = grey
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Sliding sunroof adjustment regulator, Button 1 for tilting roof, Sliding sunroof adjustment control unit, Onboard supply control unit, Data bus diagnostic interface, Sliding sunroof motor, Rear right door lock unit

- E139 Sliding sunroof adjustment regulator
- E582 Button 1 for tilting roof
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T4ad 4-pin connector
- T8t 8-pin connector
- T10e 10-pin connector
- T16 16-pin connector
- T28c 28-pin connector, on right B-pillar
- T73a 73-pin connector
- T73b 73-pin connector
- V1 Sliding sunroof motor
- VX24 Rear right door lock unit

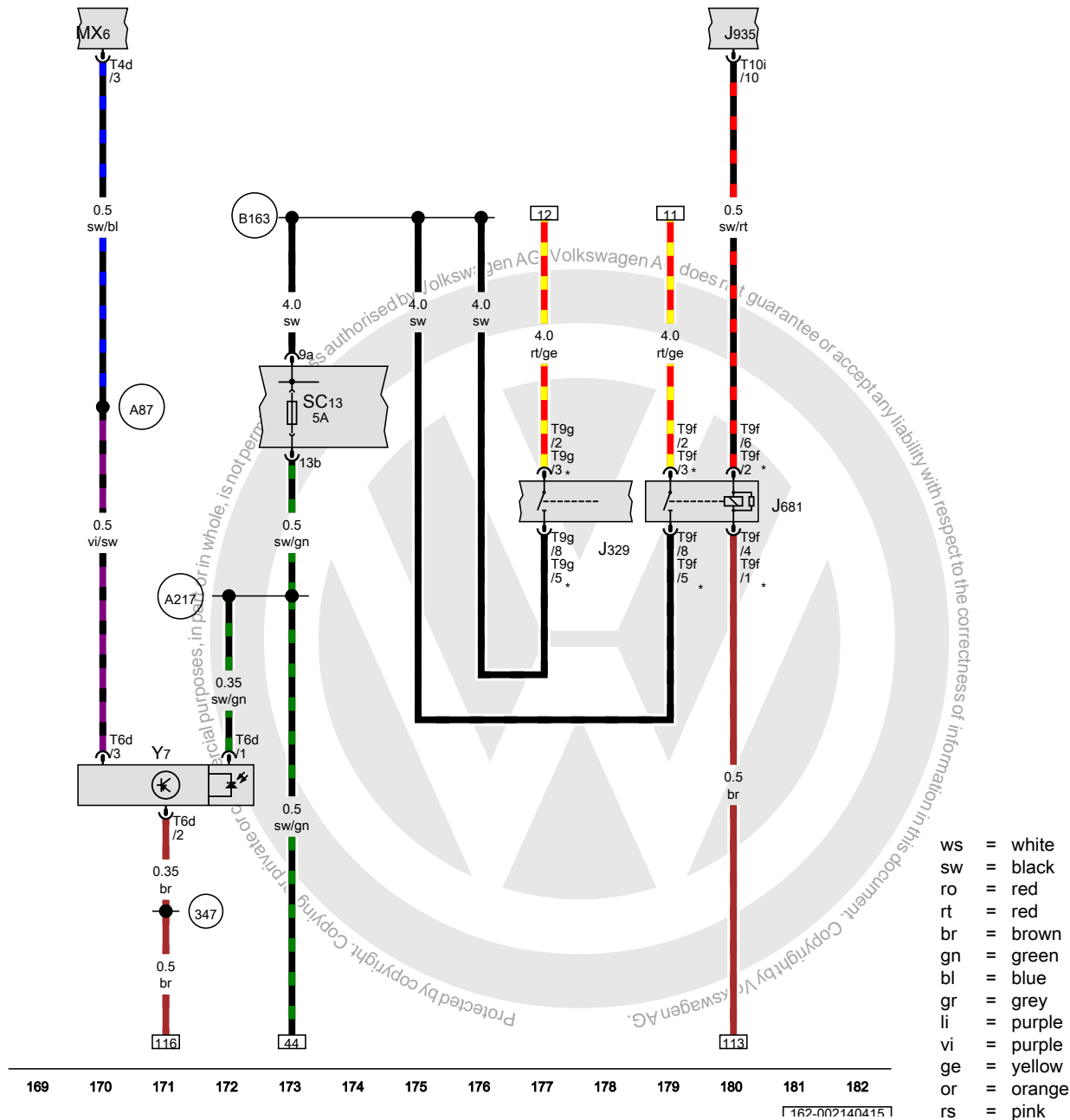
- 208 Earth connection, in rear right door wiring harness
- B215 Connection 2 (central locking), in interior wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
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- rs = pink

Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Automatic anti-dazzle interior mirror

- J329 Terminal 15 voltage supply relay
- J681 Terminal 15 voltage supply relay 2
- J935 Converter box
- MX6 Right tail light 2
- SC13 Fuse 13 on fuse holder C
- T4d 4-pin connector
- T6d 6-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T10i 10-pin connector
- Y7 Automatic anti-dazzle interior mirror

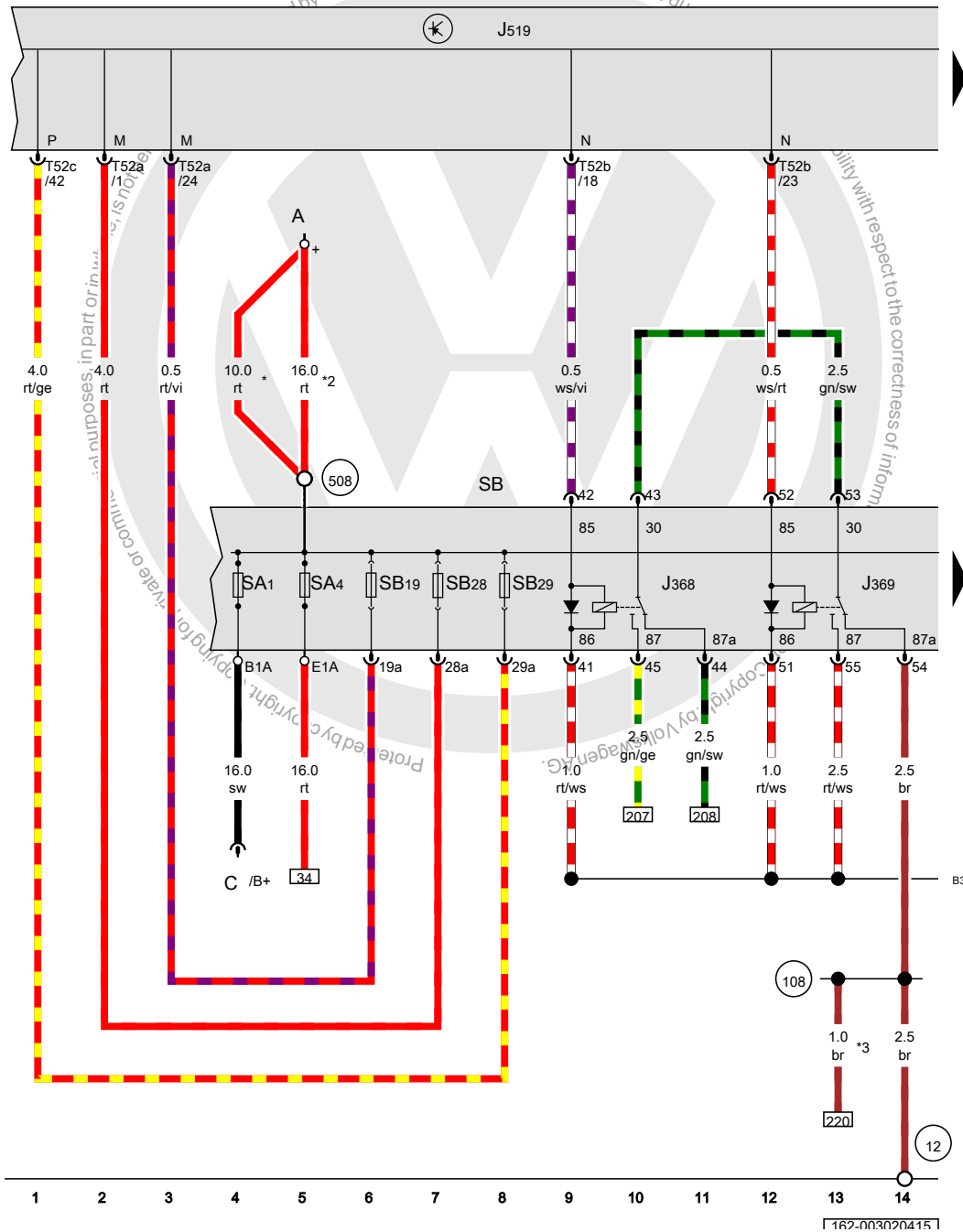
- 347 Earth connection, in roof wiring harness
- A87 Connection (RL), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction



Basic equipment , (AW1)

From April 2010





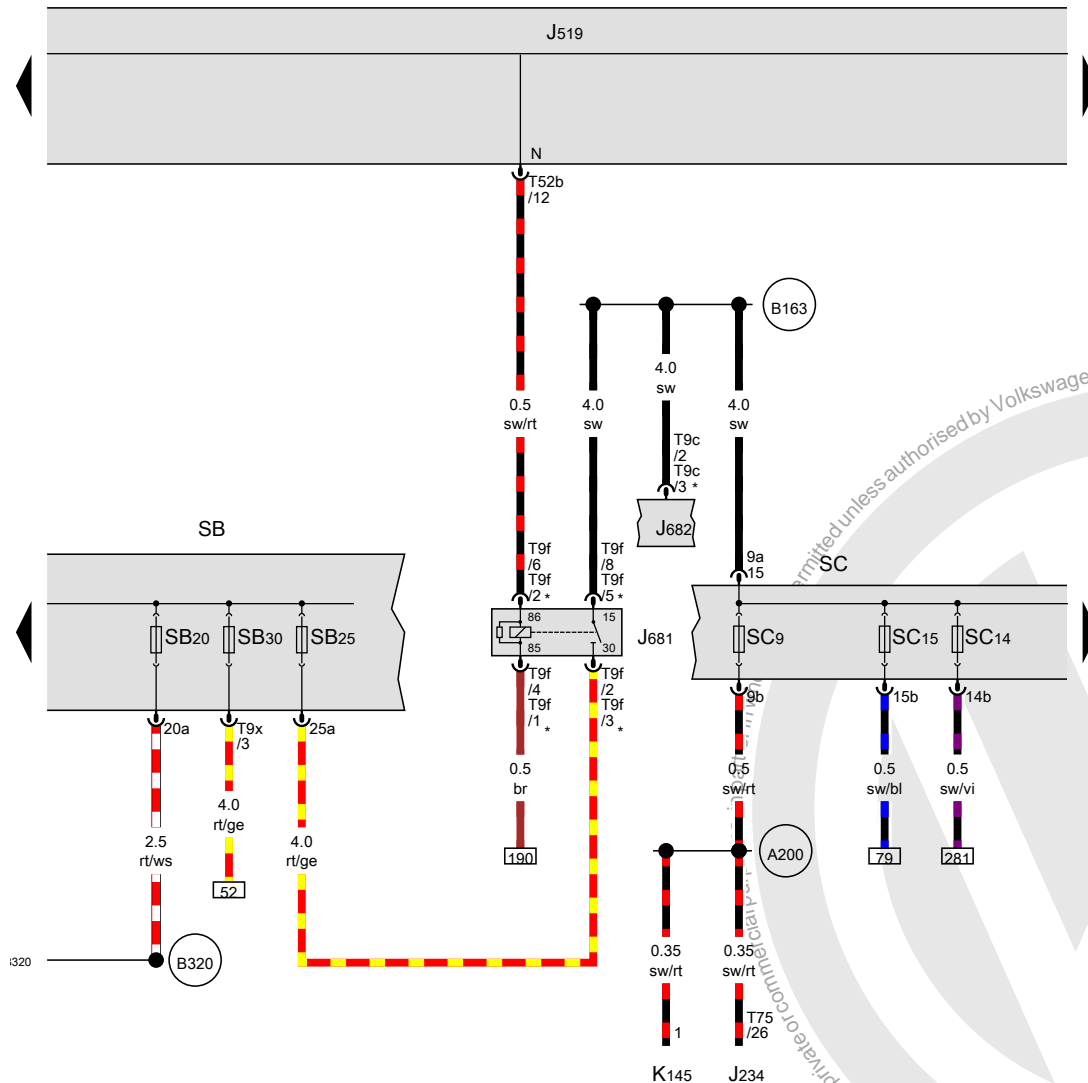
Wiper motor relay 1, Wiper motor relay 2, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- C Alternator
- J368 Wiper motor relay 1
- J369 Wiper motor relay 2
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB28 Fuse 28 on fuse holder B
- SB29 Fuse 29 on fuse holder B
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- 508 Threaded connection (30) on E-box
- B320 Positive connection 6 (30a) in main wiring harness

- * Only models with dual clutch gearbox 0AM
- *2 Only models with dual clutch gearbox 02E
- *3 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



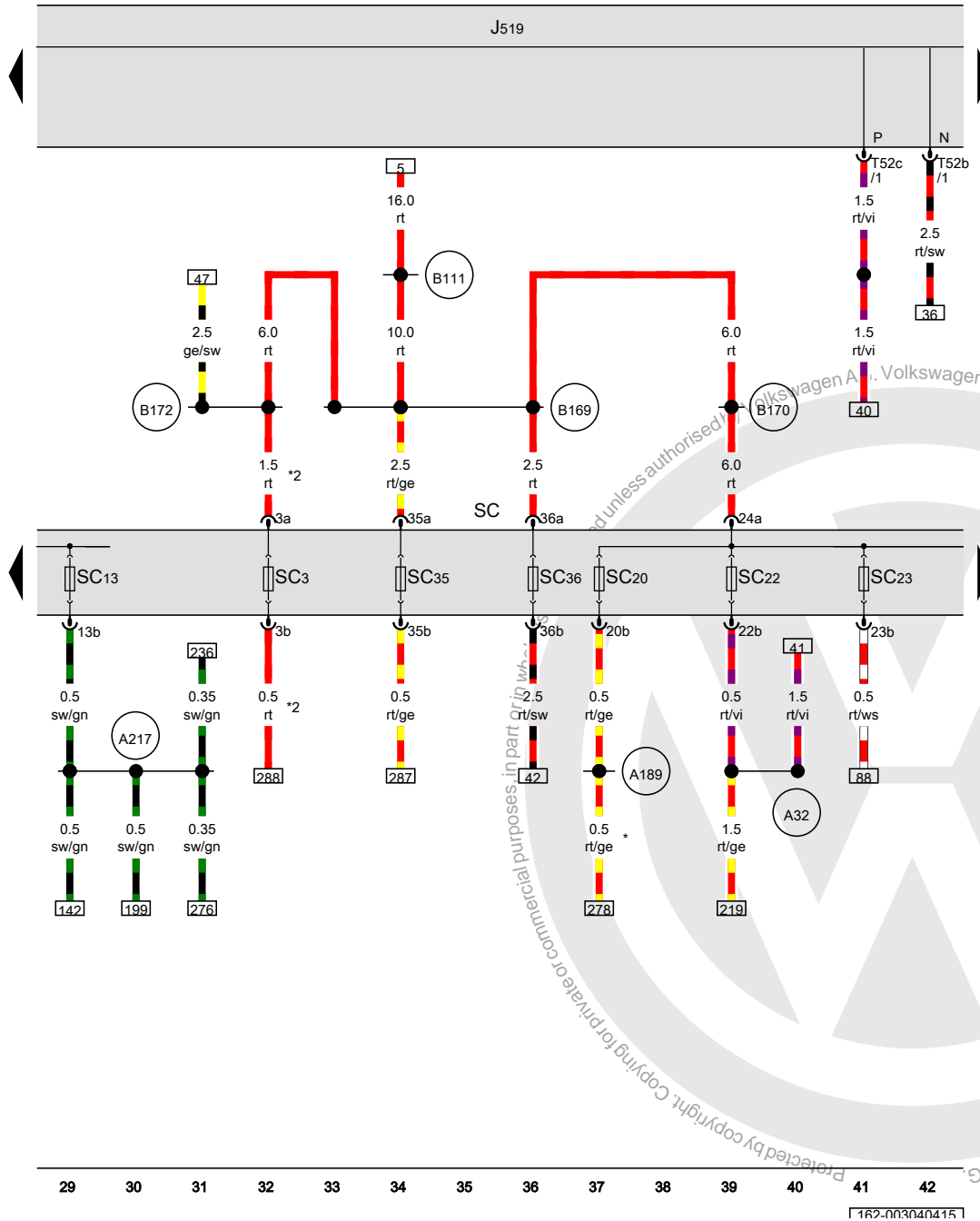
Onboard supply control unit, Terminal 15 voltage supply relay 2, Fuse holder B, Fuse holder C

- J234 Airbag control unit
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- K145 Front passenger side airbag deactivated warning lamp
- SB Fuse holder B
- SC9 Fuse 9 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SB20 Fuse 20 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- SC Fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector
- T75 75-pin connector

- A200 Positive connection 5 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- * gradual introduction

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- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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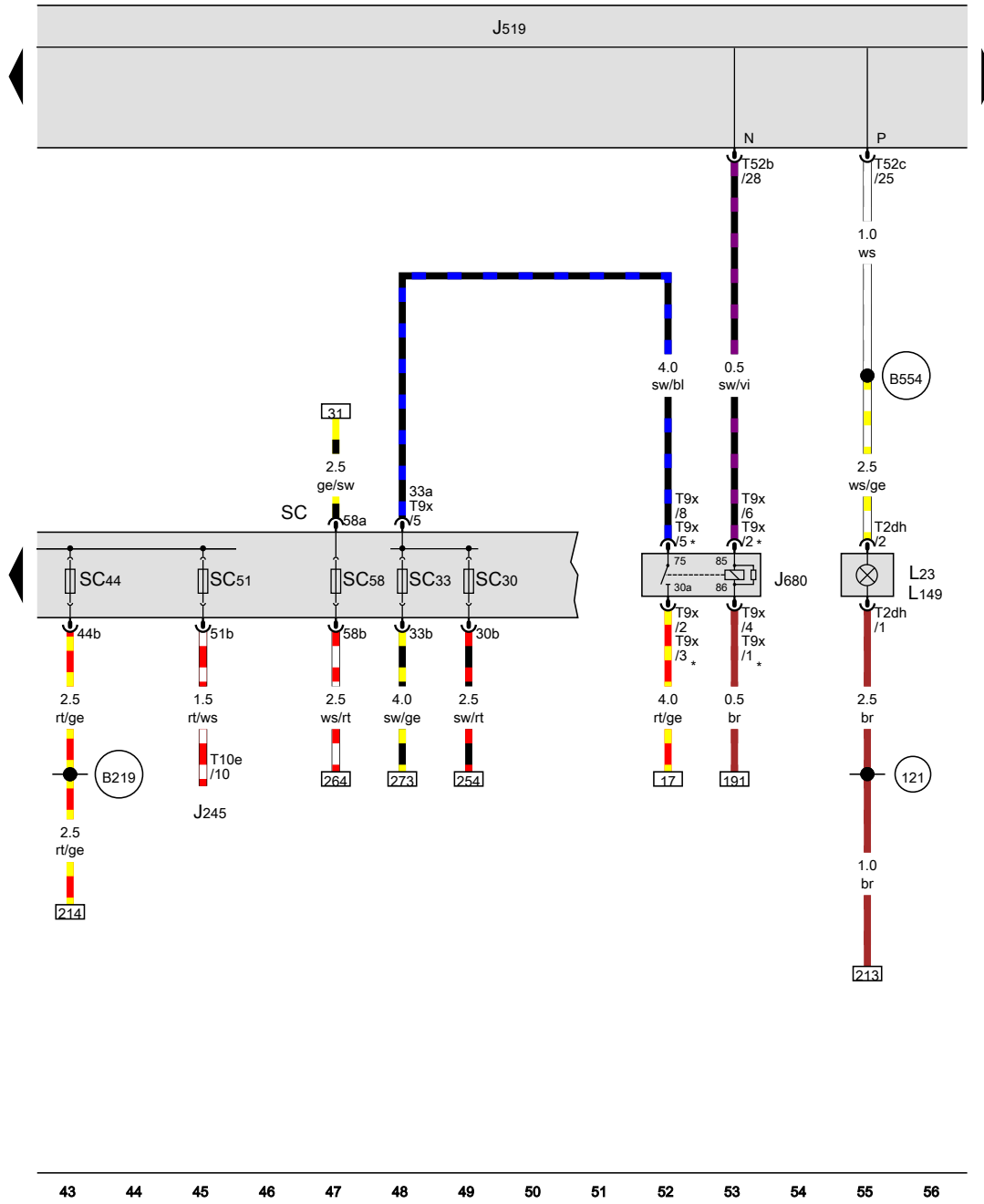
Onboard supply control unit, Fuse holder C



- J519 Onboard supply control unit
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T52b 52-pin connector
- T52c 52-pin connector

- A32 Positive connection (30), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- * Only models with auxiliary coolant heater
- *2 gradual introduction

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- vi = purple
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- rs = pink

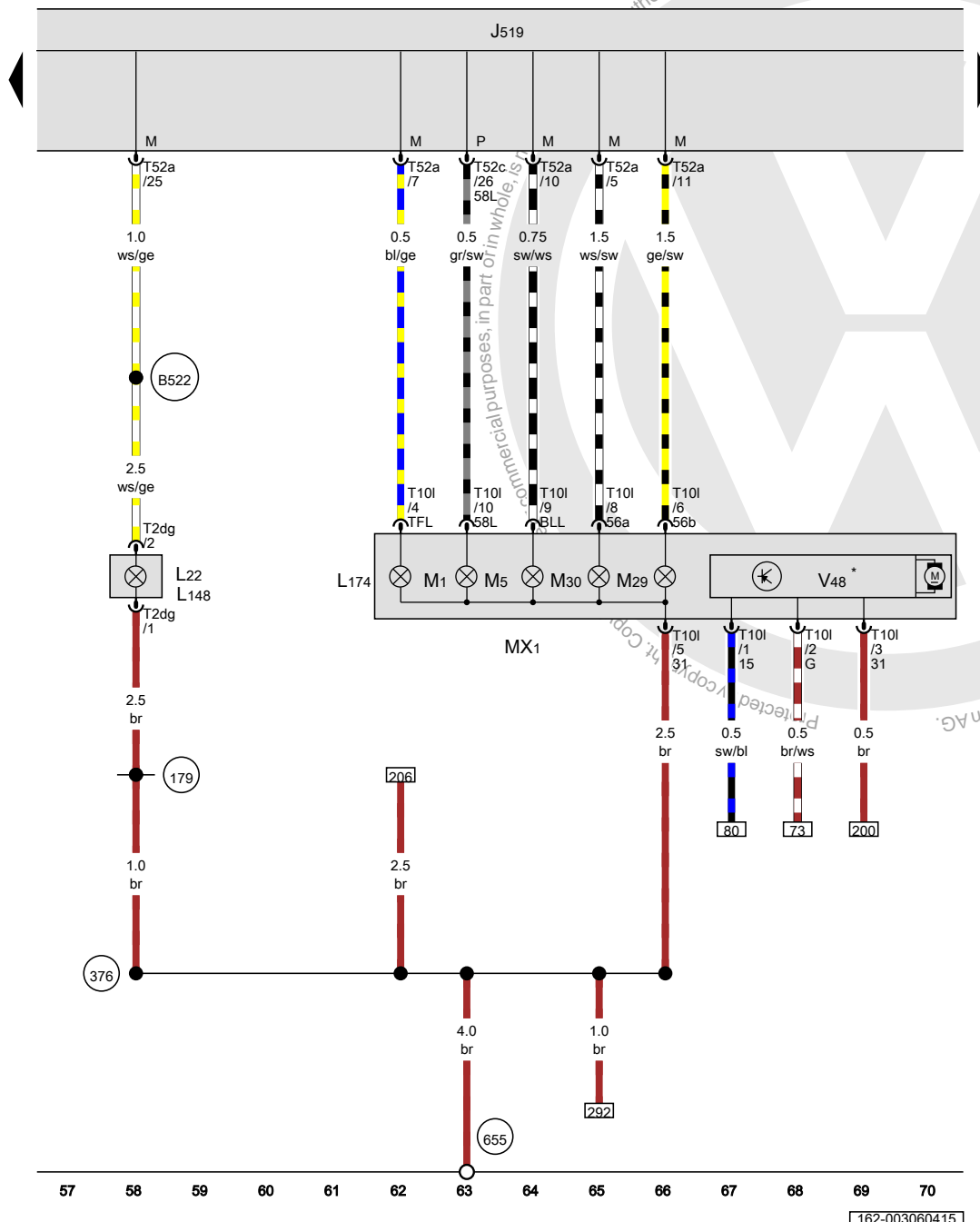


Onboard supply control unit, Terminal 75 voltage supply relay 1, Right fog light bulb, Right cornering light bulb, Fuse holder C

- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- L23 Right fog light bulb
- L149 Right cornering light bulb
- SC Fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T2dh 2-pin connector
- T9x 9-pin connector
- T10e 10-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 121 Earth connection 2, in front right wiring harness
 - B219 Positive connection 4 (30a), in interior wiring harness
 - B554 Connection (fog light), in main wiring harness
- * gradual introduction

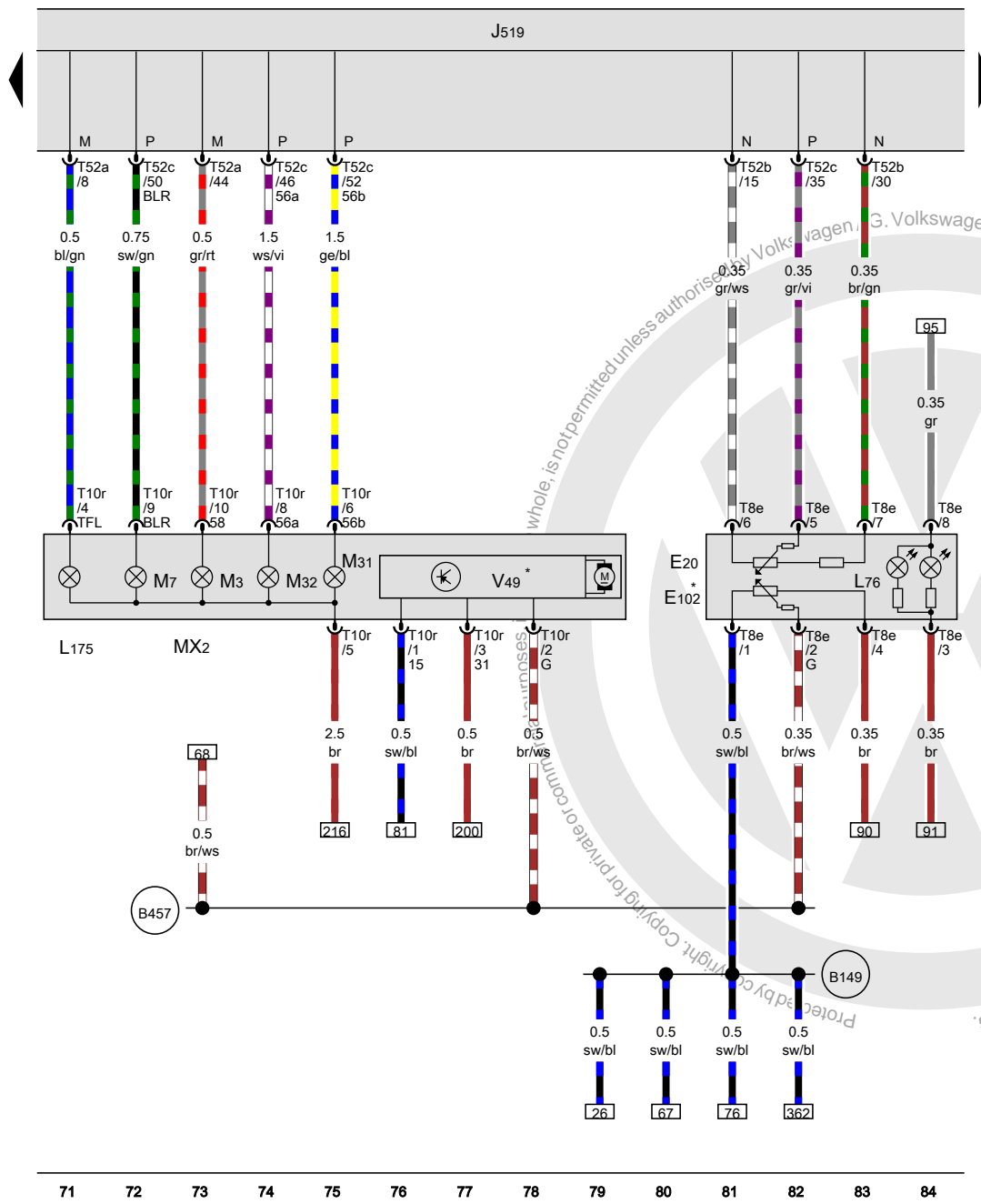
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Onboard supply control unit, Left fog light bulb, Left cornering light bulb, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L148 Left cornering light bulb
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2dg 2-pin connector
- T101 10-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- V48 Left headlight range control motor
- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B522 Connection (FL), in main wiring harness
- * According to equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
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 vi = purple
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 or = orange
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Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit, Right daytime running light bulb, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight range control motor

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L76 Button illumination bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T8e 8-pin connector
- T10r 10-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V49 Right headlight range control motor

(B149) Positive connection 2 (15a), in interior wiring harness

(B457) Connection 1 (potentiometer), in main wiring harness

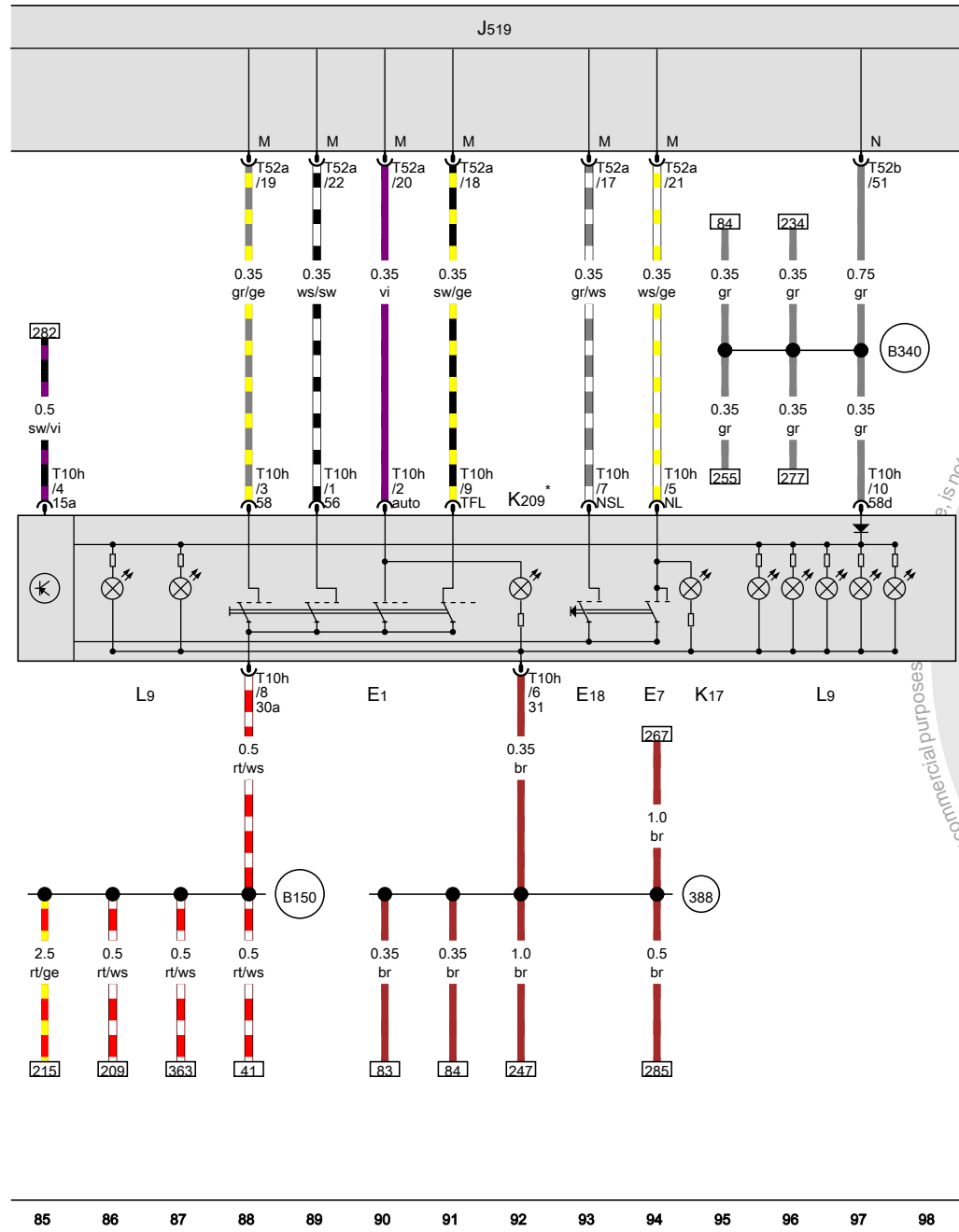
* According to equipment

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71 72 73 74 75 76 77 78 79 80 81 82 83 84

162-003070415

Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit, Automatic control of lights warning lamp



- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- K17 Fog light warning lamp
- K209 Automatic control of lights warning lamp
- L9 Light switch illumination bulb
- T10h 10-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- 388 Earth connection 23, in main wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with automatic headlight control gradual introduction
- *2

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- br = brown
- gn = green
- bl = blue
- gr = grey
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- rs = pink

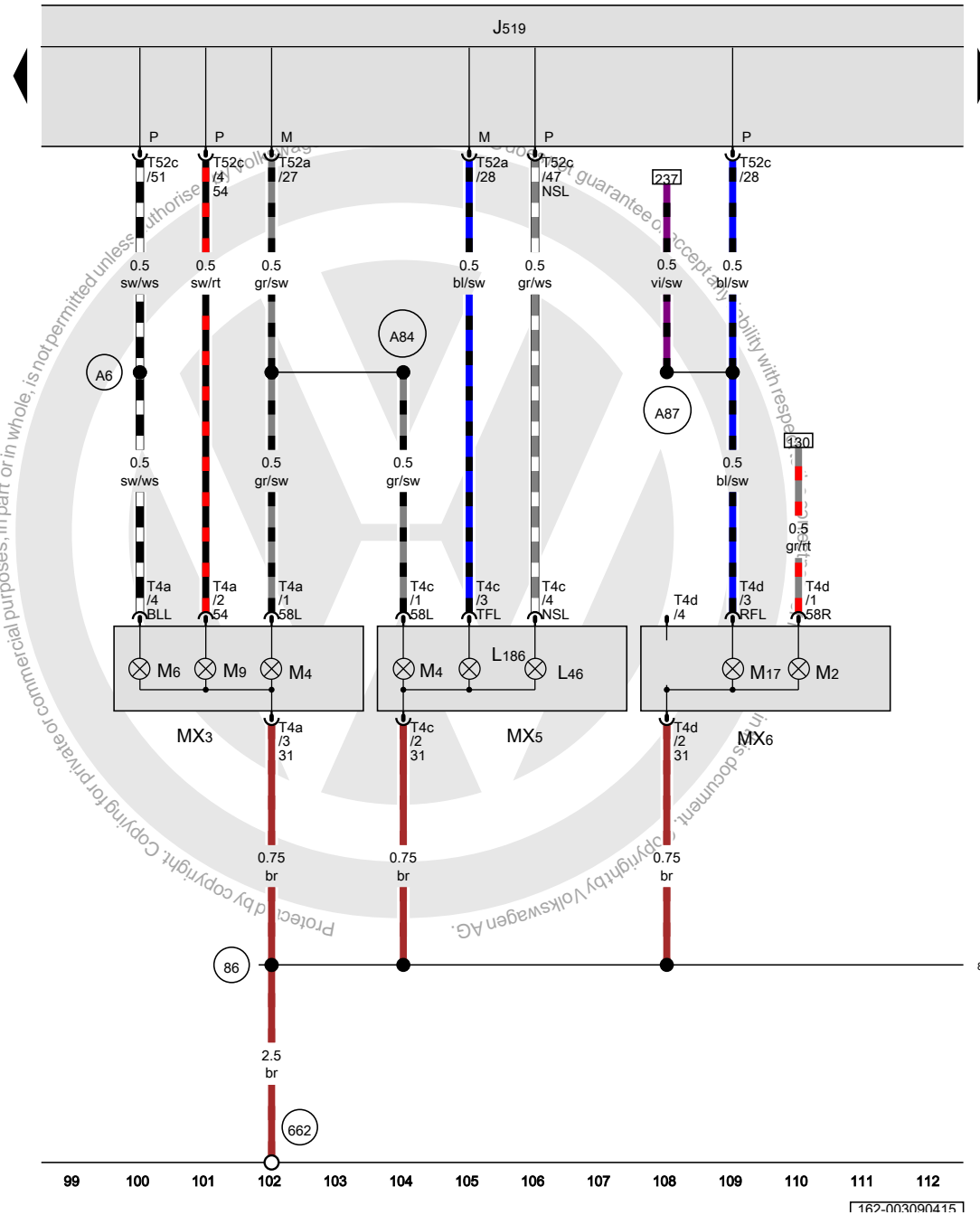
162-003080415

Onboard supply control unit, Rear left fog light bulb, Right tail light bulb, Left tail light, Left tail light bulb, Left tail light 2, Right tail light 2, Rear left turn signal bulb, Left brake light bulb, Right reversing light bulb

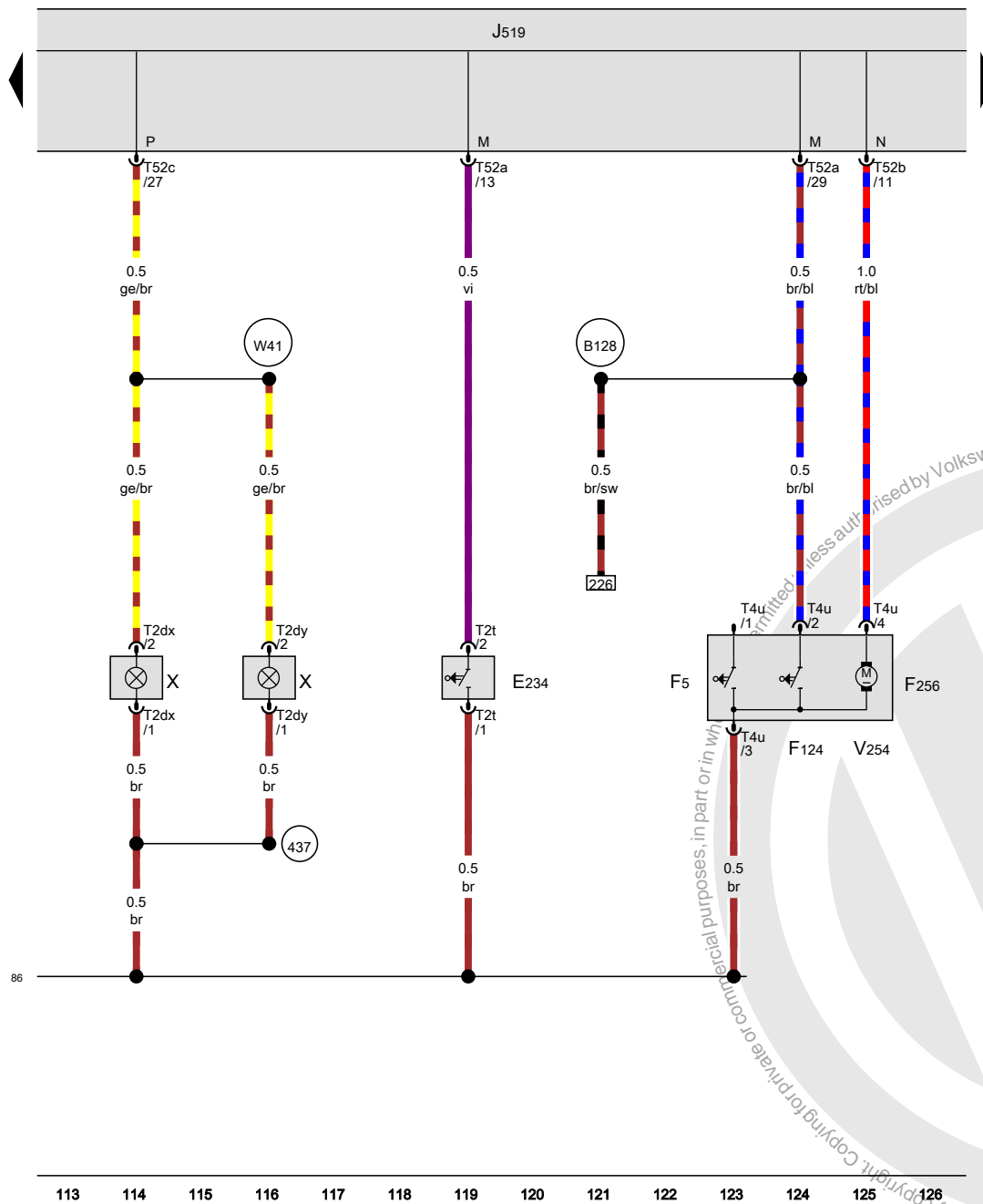
- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L186 Bulb for left daytime running light and side light
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- MX6 Right tail light 2
- M6 Rear left turn signal bulb
- M9 Left brake light bulb
- M17 Right reversing light bulb
- T4a 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

- 86 Earth connection 1, in rear wiring harness
- 662 Earth point, rear left side panel
- A6 Positive connection (left turn signal), in dash panel wiring harness
- A84 Connection (58L), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness

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- gr = grey
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162-003090415



Rear lid handle release button, Luggage compartment light switch, Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system, Rear lid lock unit, Onboard supply control unit, Rear lid electric opener motor, Number plate light

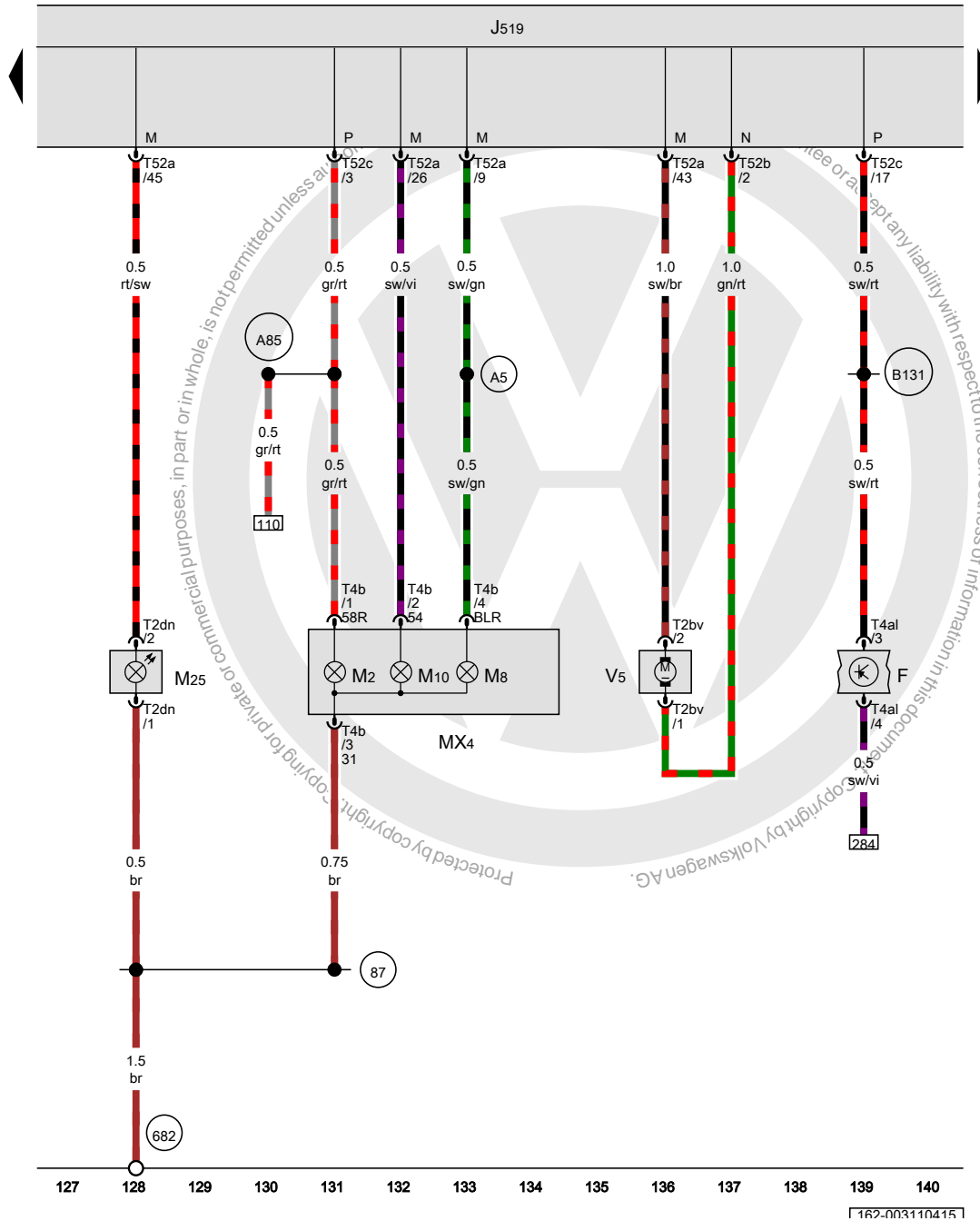
- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F124 Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2dx 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V254 Rear lid electric opener motor
- X Number plate light

- 86 Earth connection 1, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- W41 Positive connection (58), in number plate lights wiring harness

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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

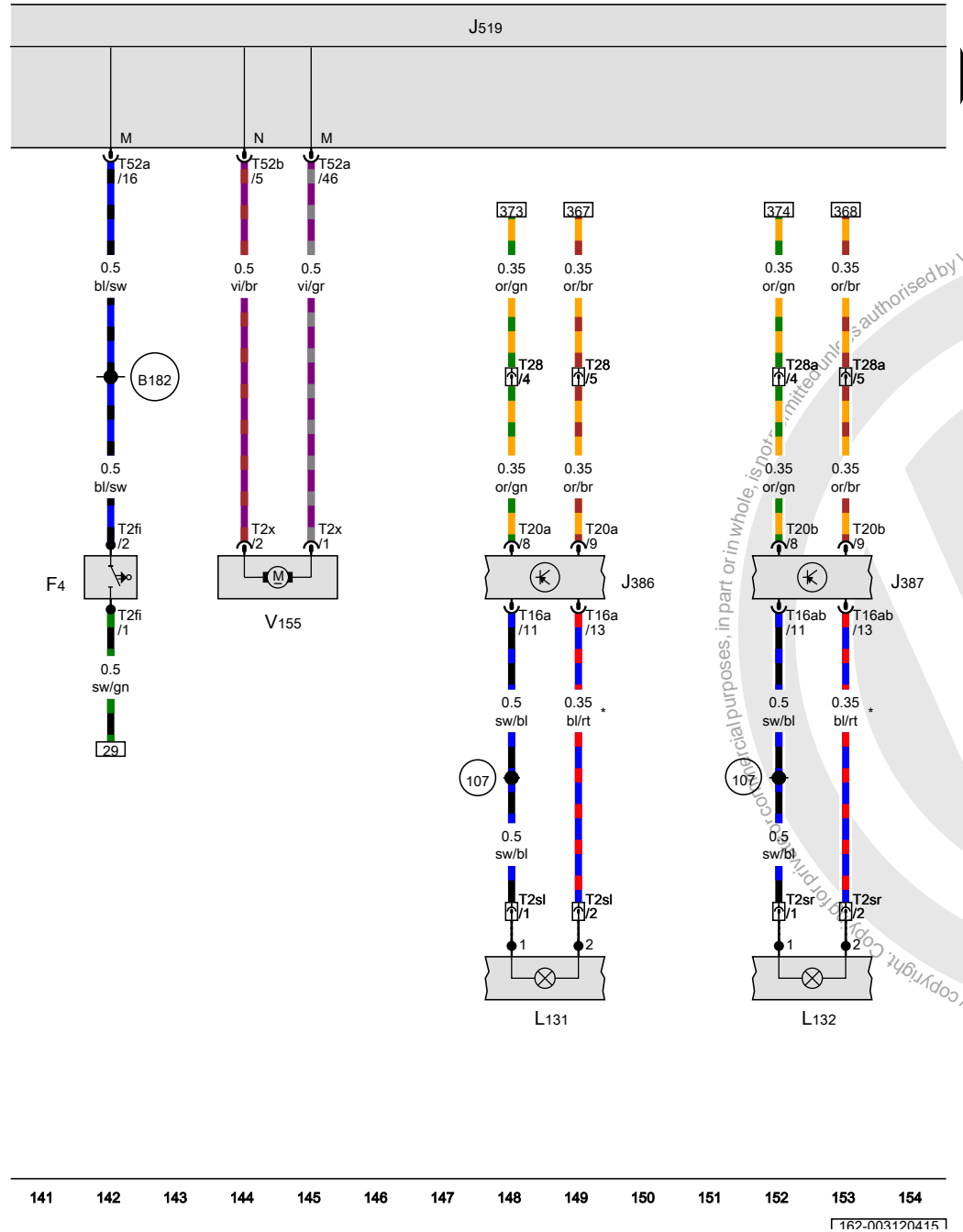
Brake light switch, Onboard supply control unit, Right tail light, Rear right turn signal bulb, Right brake light bulb, High-level brake light bulb



- F Brake light switch
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M25 High-level brake light bulb
- T2bv 2-pin connector
- T2dn 2-pin connector
- T4al 4-pin connector
- T4b 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V5 Washer pump

- 87 Earth connection 2, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A85 Connection (58R), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness

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Reversing light switch, Driver door control unit, Front passenger door control unit, Onboard supply control unit, Driver side turn signal repeater bulb, Front passenger side turn signal repeater bulb, Tank filler flap locking motor

- F4 Reversing light switch
- J386 Driver door control unit
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- L131 Driver side turn signal repeater bulb
- L132 Front passenger side turn signal repeater bulb
- T2fi 2-pin connector
- T2sl 2-pin connector, in driver side exterior mirror housing
- T2sr 2-pin connector, on front passenger side exterior mirror
- T2x 2-pin connector
- T16a 16-pin connector
- T16ab 16-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T28 28-pin connector
- T28a 28-pin connector, near lower part of right A-pillar
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Tank filler flap locking motor

- 107 Earth connection, in external mirror wiring harness
- B182 Connection (RL), in interior wiring harness
- * Wiring colour depends on equipment

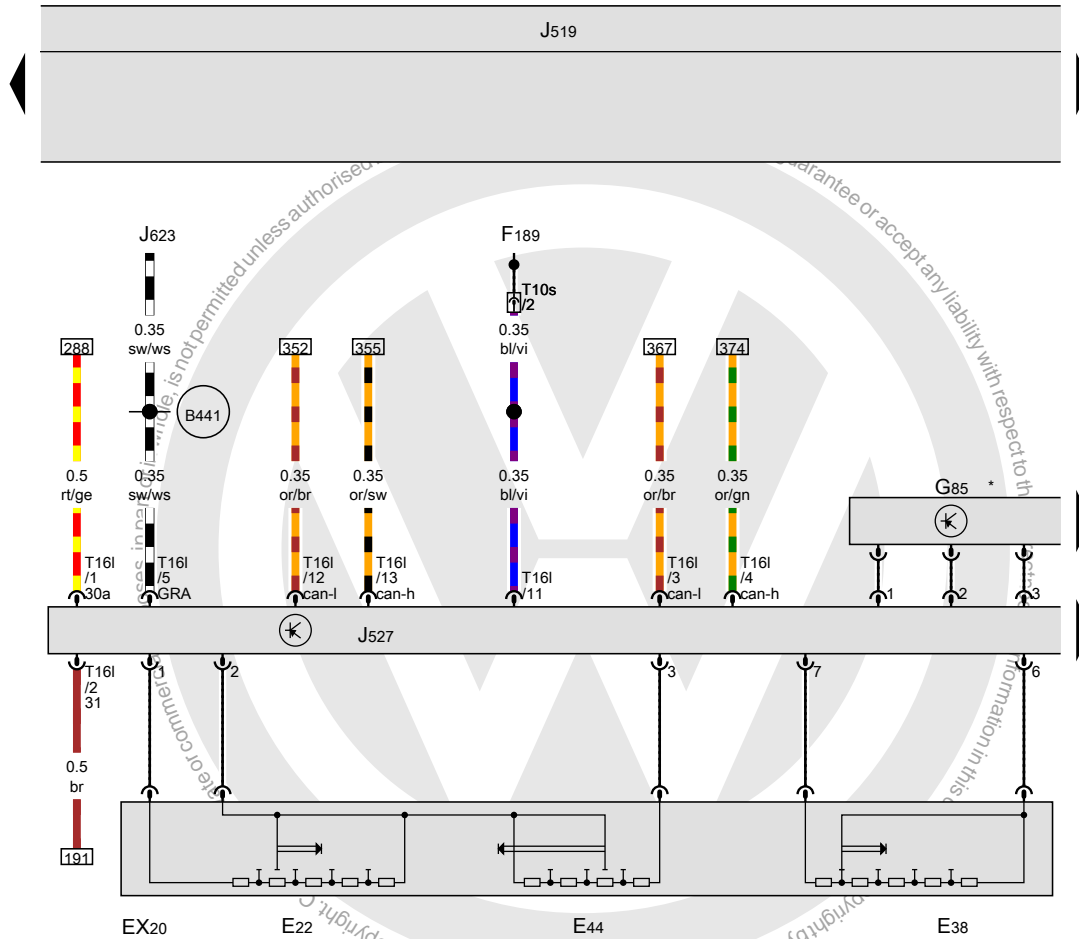
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- br = brown
- gn = green
- bl = blue
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Right steering column switch, Intermittent wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Steering angle sender, Onboard supply control unit, Steering column electronics control unit

- EX20 Right steering column switch
- E22 Intermittent wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- F189 Tiptronic switch
- G85 Steering angle sender
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- T10s 10-pin connector
- T16l 16-pin connector

B441 Connection (CCS), in main wiring harness

* According to equipment



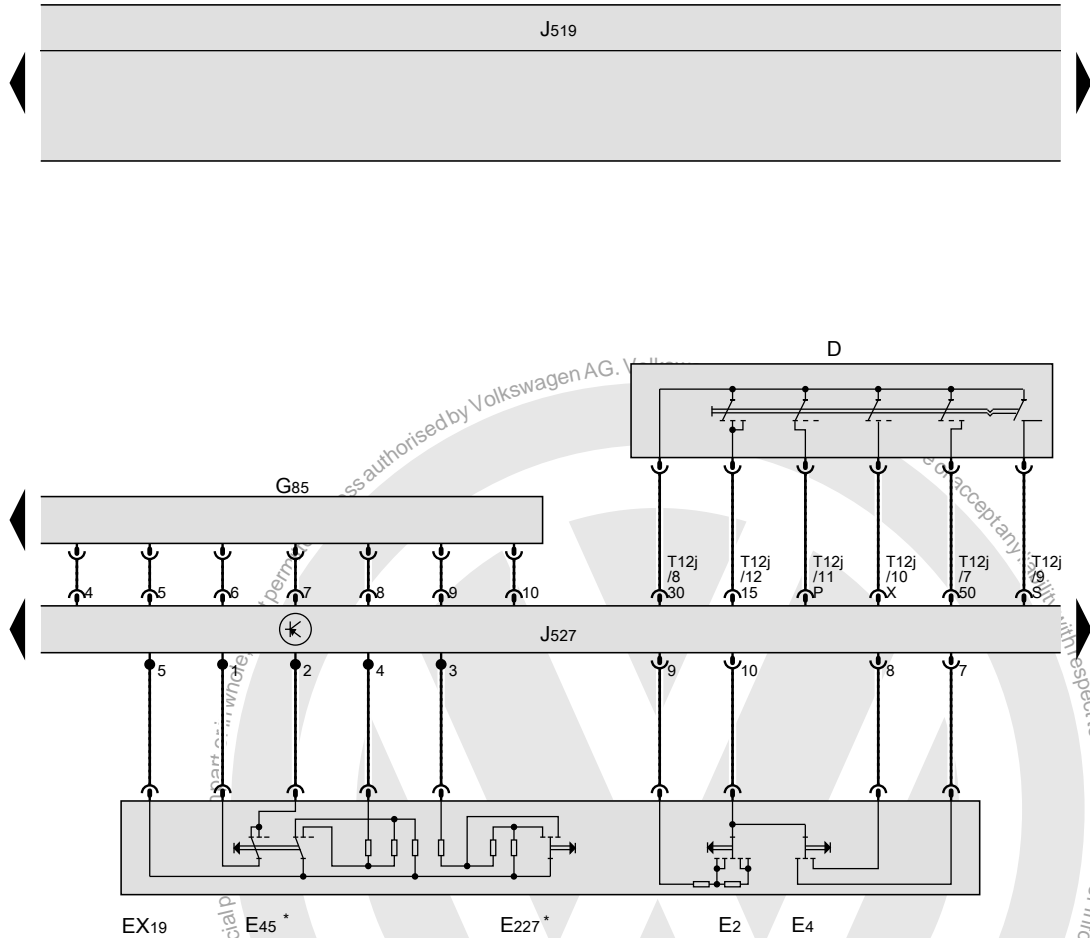
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

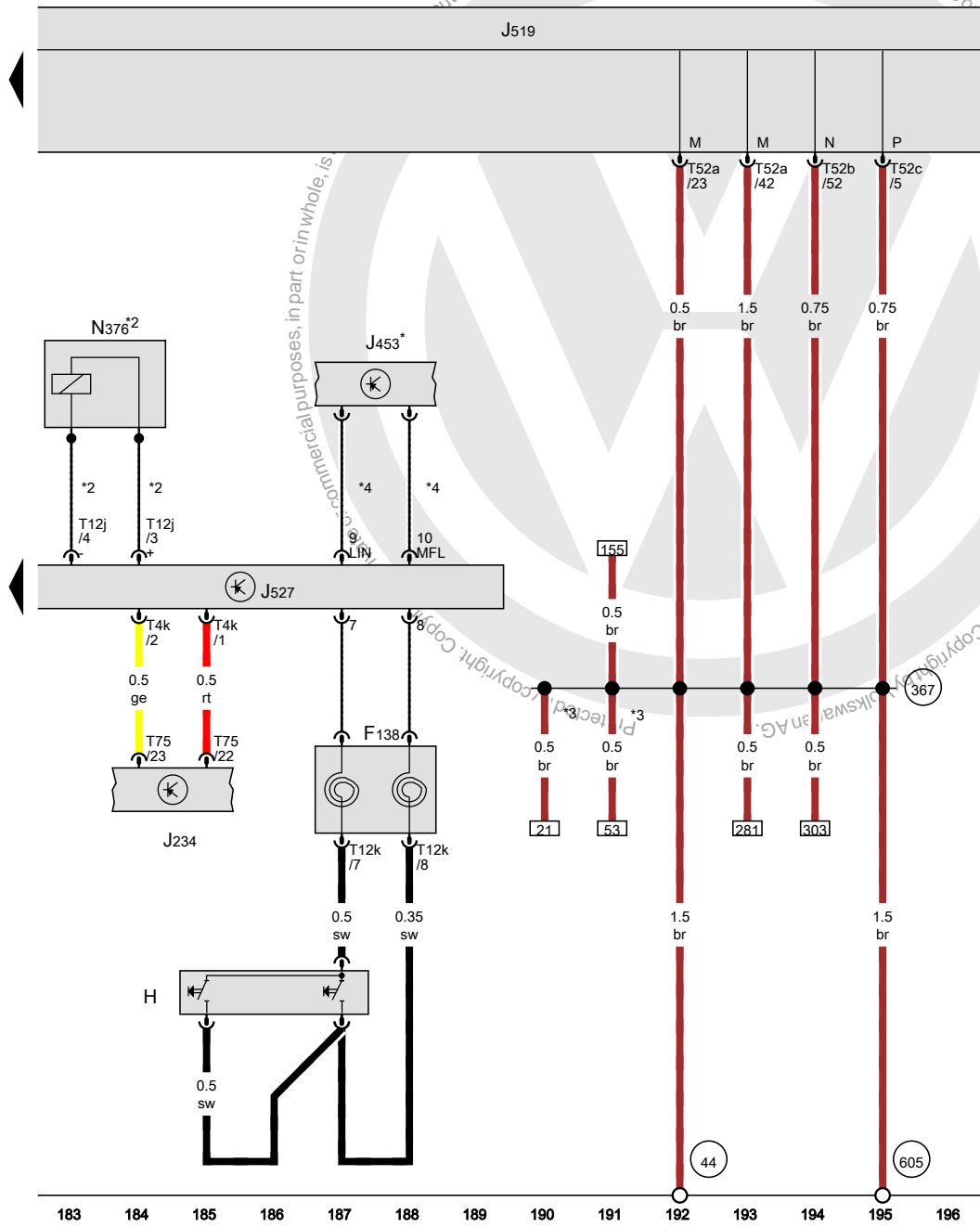
162-003130415

Ignition/starter switch, Turn signal switch, Headlight dipper and flasher switch, Left steering column switch, Cruise control system switch, Cruise control system (CCS) SET button, Steering angle sender, Onboard supply control unit, Steering column electronics control unit

- D Ignition/starter switch
- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- EX19 Left steering column switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- G85 Steering angle sender
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T12j 12-pin connector
- * Only models with cruise control system (CCS)



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Airbag coil connector and return ring with slip ring, Onboard supply control unit, Steering column electronics control unit

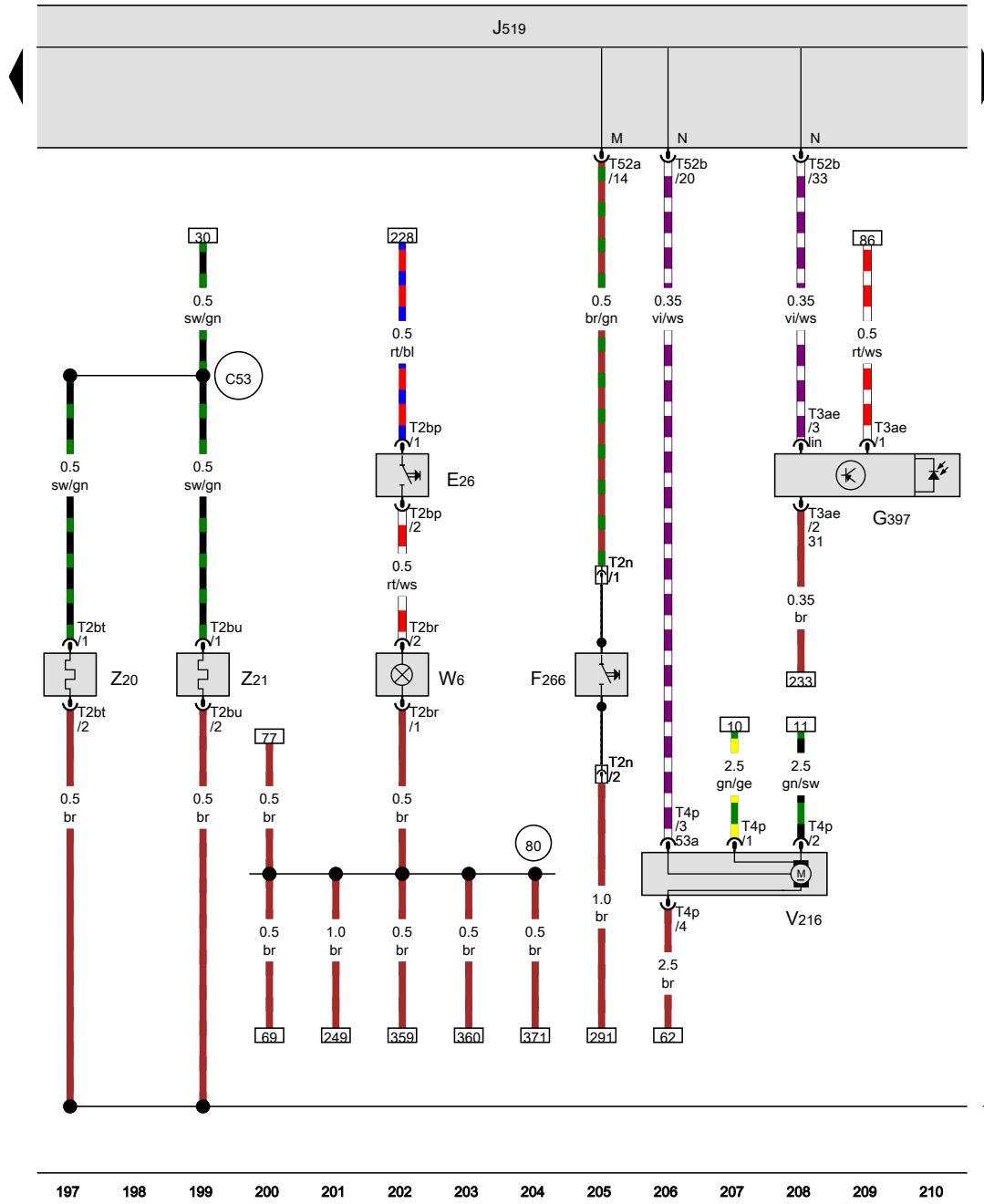
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid
- T4k 4-pin connector
- T12j 12-pin connector
- T12k 12-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T75 75-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column

- * see applicable current flow diagram for multifunction steering wheel
- *2 Only models with dual clutch gearbox (DSG)
- *3 gradual introduction
- *4 Only models with multifunction steering wheel

- ws = white
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162-003150415



Glove compartment light switch, Bonnet contact switch, Onboard supply control unit, Driver side windscreen wiper motor, Glove compartment light, Left washer jet heater element, Right washer jet heater element

- E26 Glove compartment light switch
- F266 Bonnet contact switch
- G397 Rain and light sensor
- J519 Onboard supply control unit
- T2bp 2-pin connector
- T2br 2-pin connector
- T2bt 2-pin connector
- T2bu 2-pin connector
- T2n 2-pin connector, near headlight
- T3ae 3-pin connector
- T4p 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V216 Driver side windscreen wiper motor
- W6 Glove compartment light
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 80 Earth connection 1, in dash panel wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness

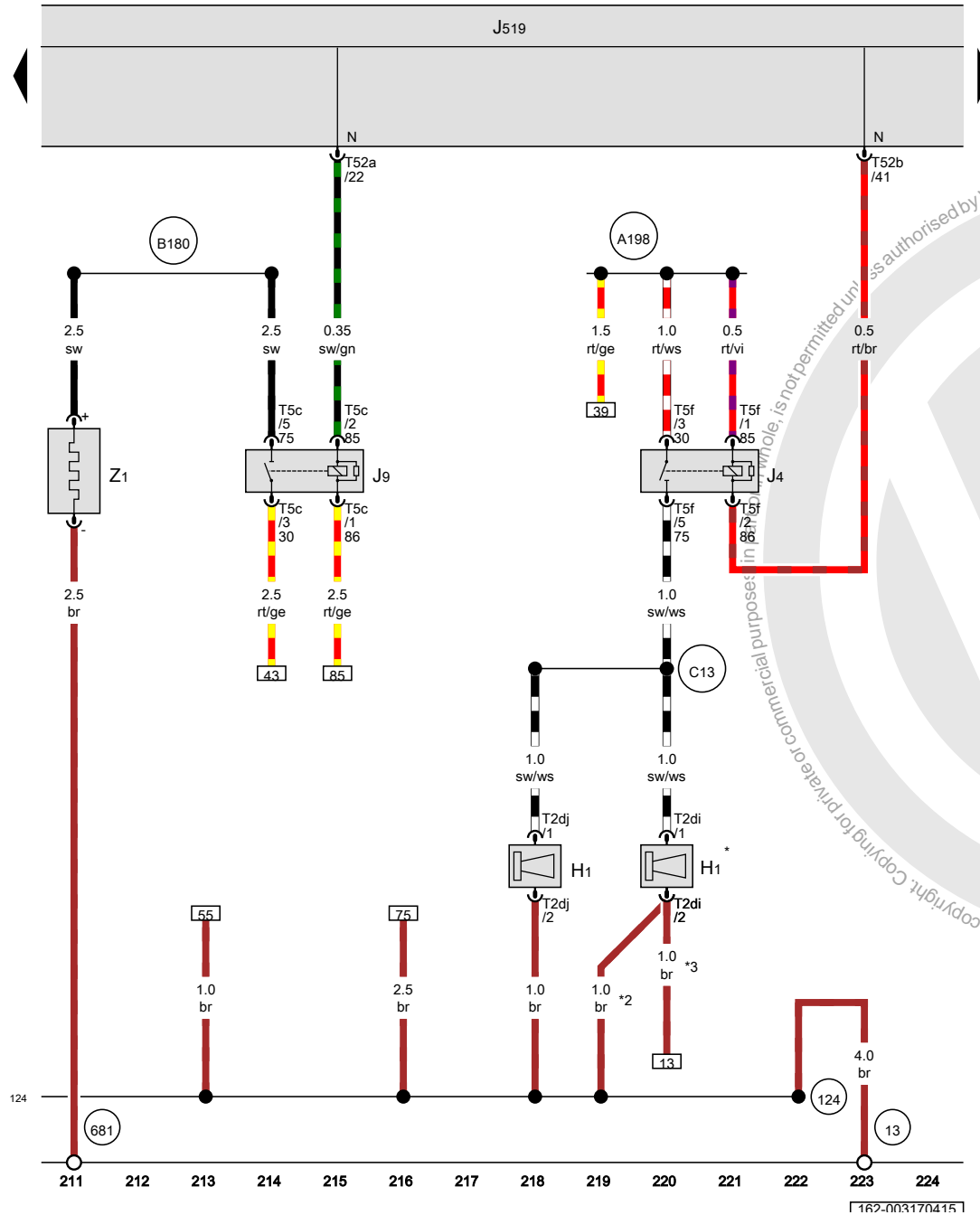
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- rs = pink

124

197 198 199 200 201 202 203 204 205 206 207 208 209 210

162-003160415

Horn or dual tone horn, Dual tone horn relay, Heated rear window relay, Onboard supply control unit, Heated rear window



- H1 Horn or dual tone horn
- J4 Dual tone horn relay
- J9 Heated rear window relay
- J519 Onboard supply control unit
- T2di 2-pin connector
- T2dj 2-pin connector
- T5c 5-pin connector
- T5f 5-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- Z1 Heated rear window

- 13 Earth point, on right in engine compartment
- 124 Earth connection, in right side engine compartment wiring harness
- 681 Earth point 1, in rear right side panel
- A198 Positive connection 6 (30a) in dash panel wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- C13 Positive connection in dual tone horn wiring harness
- * Only models with dual tone horn
- *2 Gradually discontinued
- *3 gradual introduction

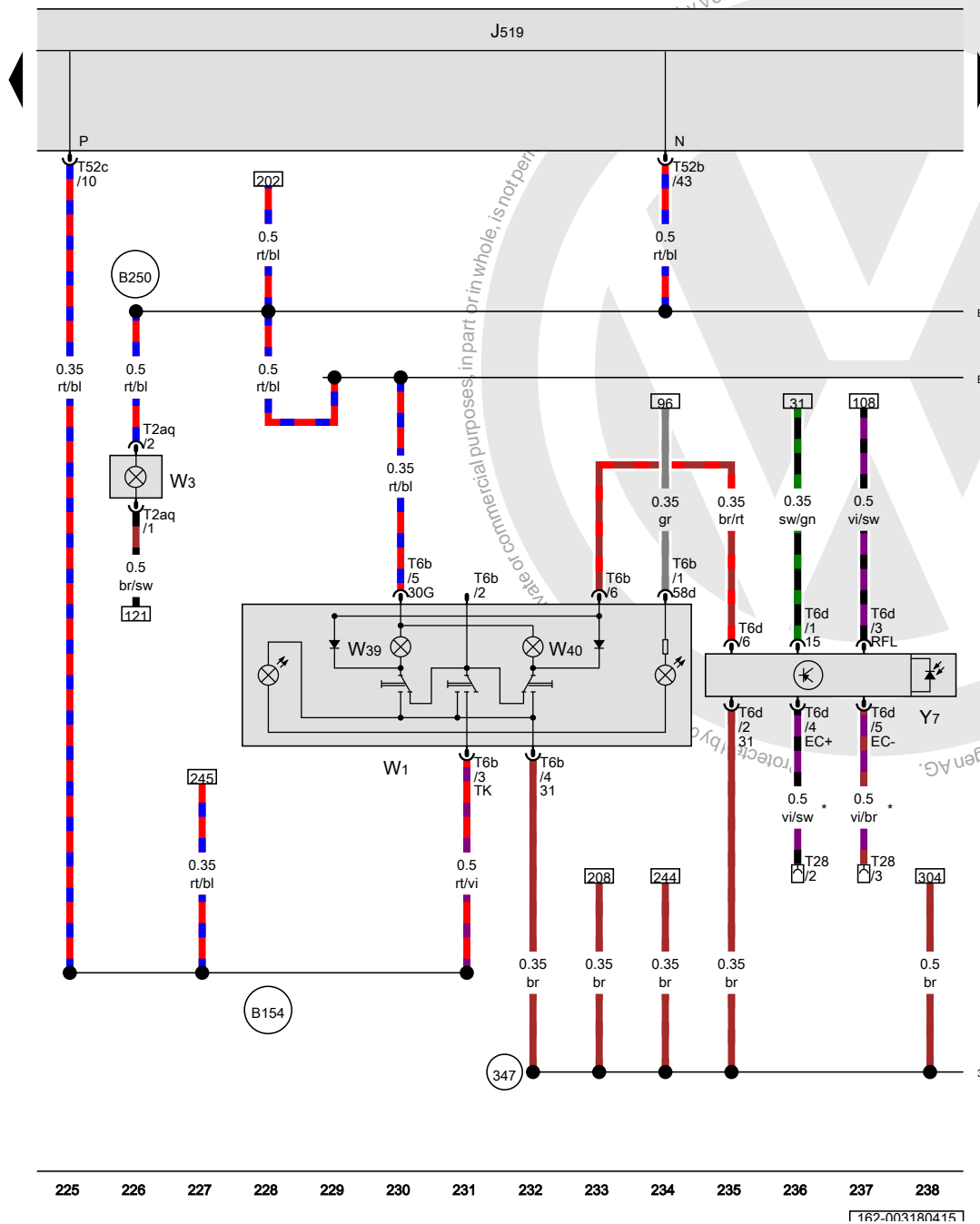
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- gr = grey
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- vi = purple
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- or = orange
- rs = pink

162-003170415

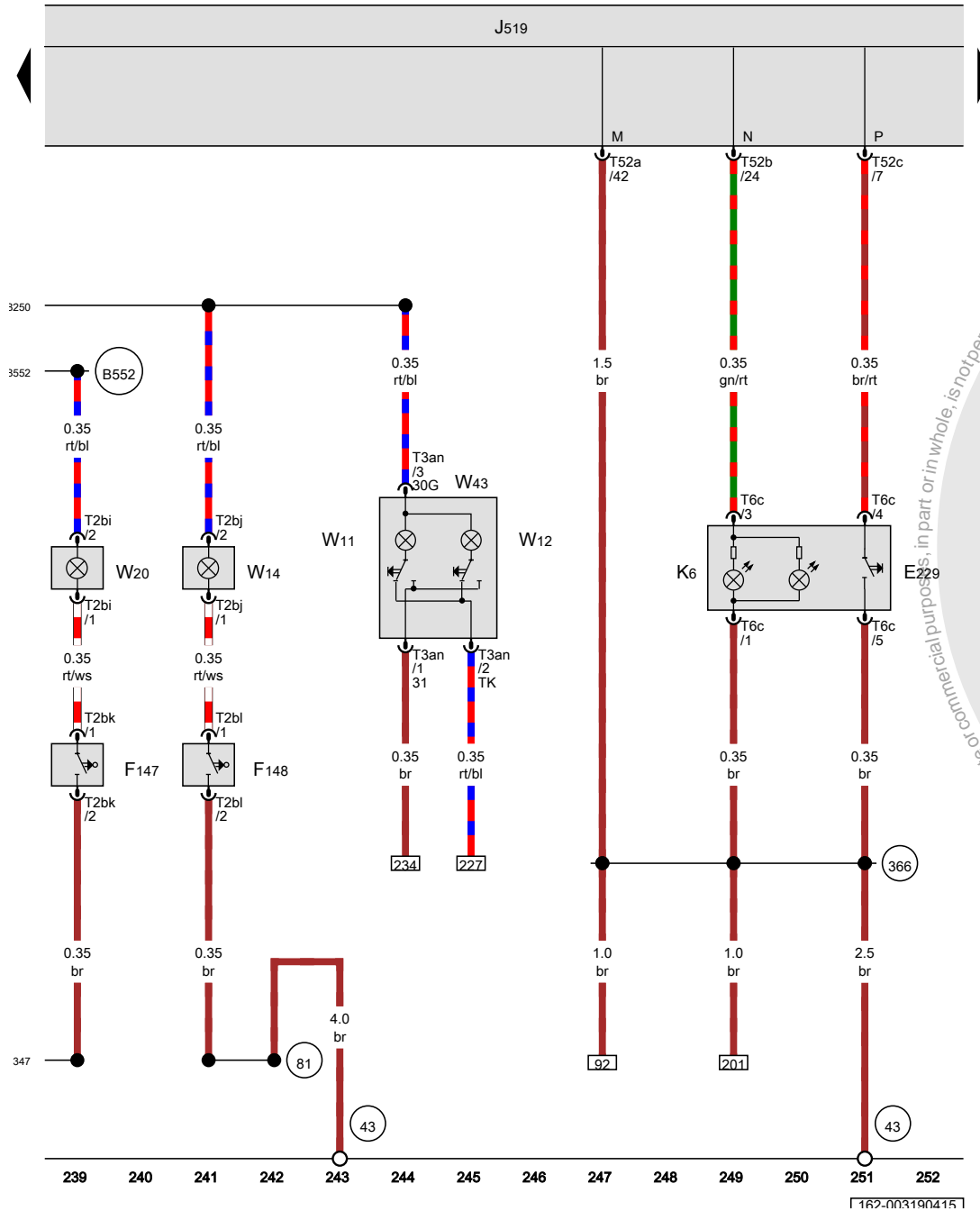
Onboard supply control unit, Front interior light, Luggage compartment light, Right centre reading light, Automatic anti-dazzle interior mirror

- J519 Onboard supply control unit
- T2aq 2-pin connector
- T6b 6-pin connector
- T6d 6-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light
- W3 Luggage compartment light
- W39 Left centre reading light
- W40 Right centre reading light
- Y7 Automatic anti-dazzle interior mirror

- 347 Earth connection, in roof wiring harness
- B154 Connection 1 (DCT), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- B552 Positive connection 2, in roof wiring harness
- * Only models with automatic anti-dazzle exterior mirror



162-003180415



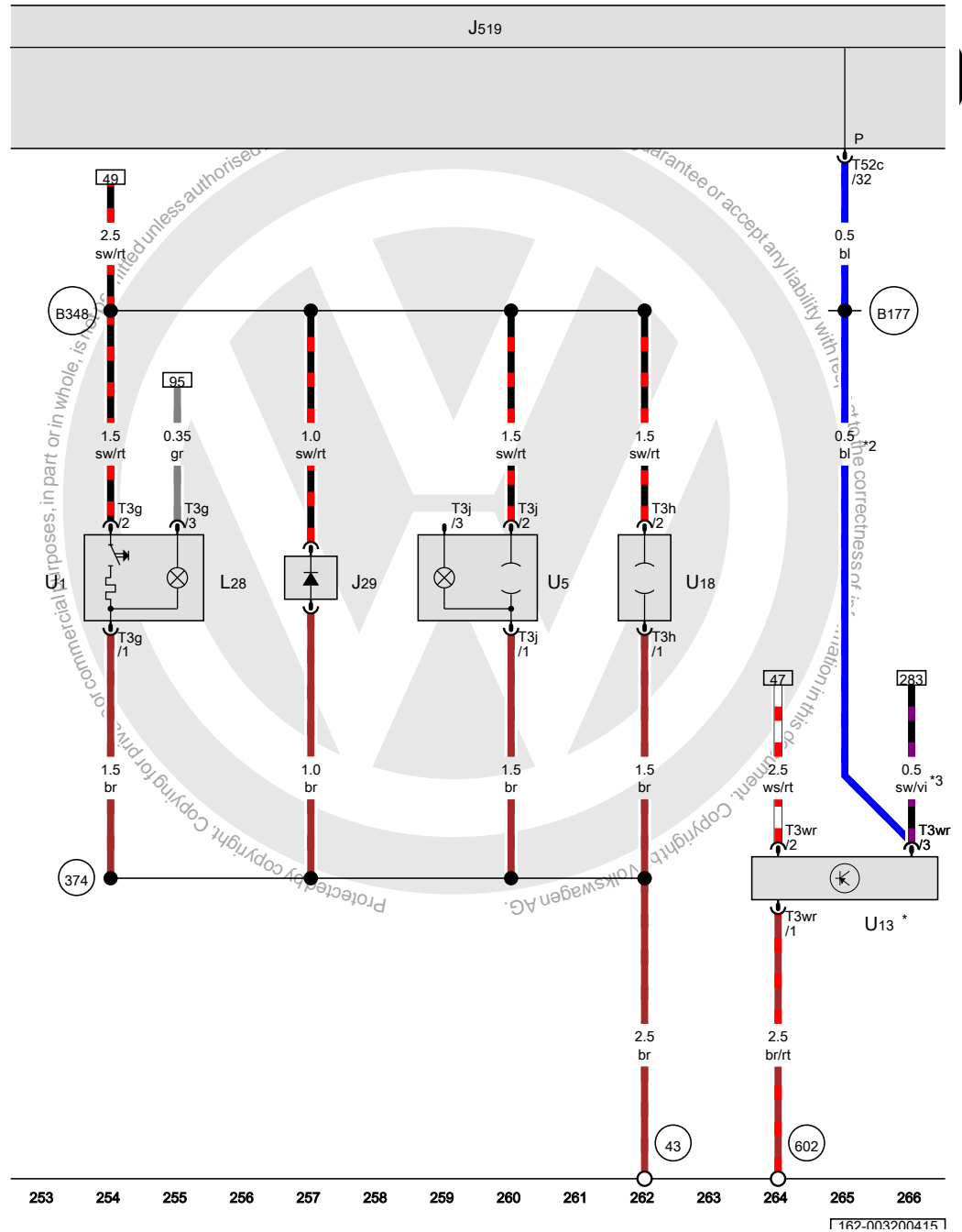
Hazard warning lights button, Onboard supply control unit, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror, Rear interior light

- E229 Hazard warning lights button
- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2bi 2-pin connector
- T2bj 2-pin connector
- T2bk 2-pin connector
- T2bl 2-pin connector
- T3an 3-pin connector
- T6c 6-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W11 Rear left reading light
- W12 Rear right reading light
- W14 Front passenger side illuminated vanity mirror
- W20 Driver side illuminated vanity mirror
- W43 Rear interior light

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 347 Earth connection, in roof wiring harness
- 366 Earth connection 1, in main wiring harness
- B250 Positive connection, in roof wiring harness
- B552 Positive connection 2, in roof wiring harness

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162-003190415



Blocking diode, Onboard supply control unit, Cigarette lighter illumination bulb, Cigarette lighter, 12 V socket, DC/AC converter with socket, 12 V - 230 V

- J29 Blocking diode
- J519 Onboard supply control unit
- L28 Cigarette lighter illumination bulb
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T3wr 3-pin connector
- T52c 52-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U13 DC/AC converter with socket, 12 V - 230 V
- U18 12 V socket 2

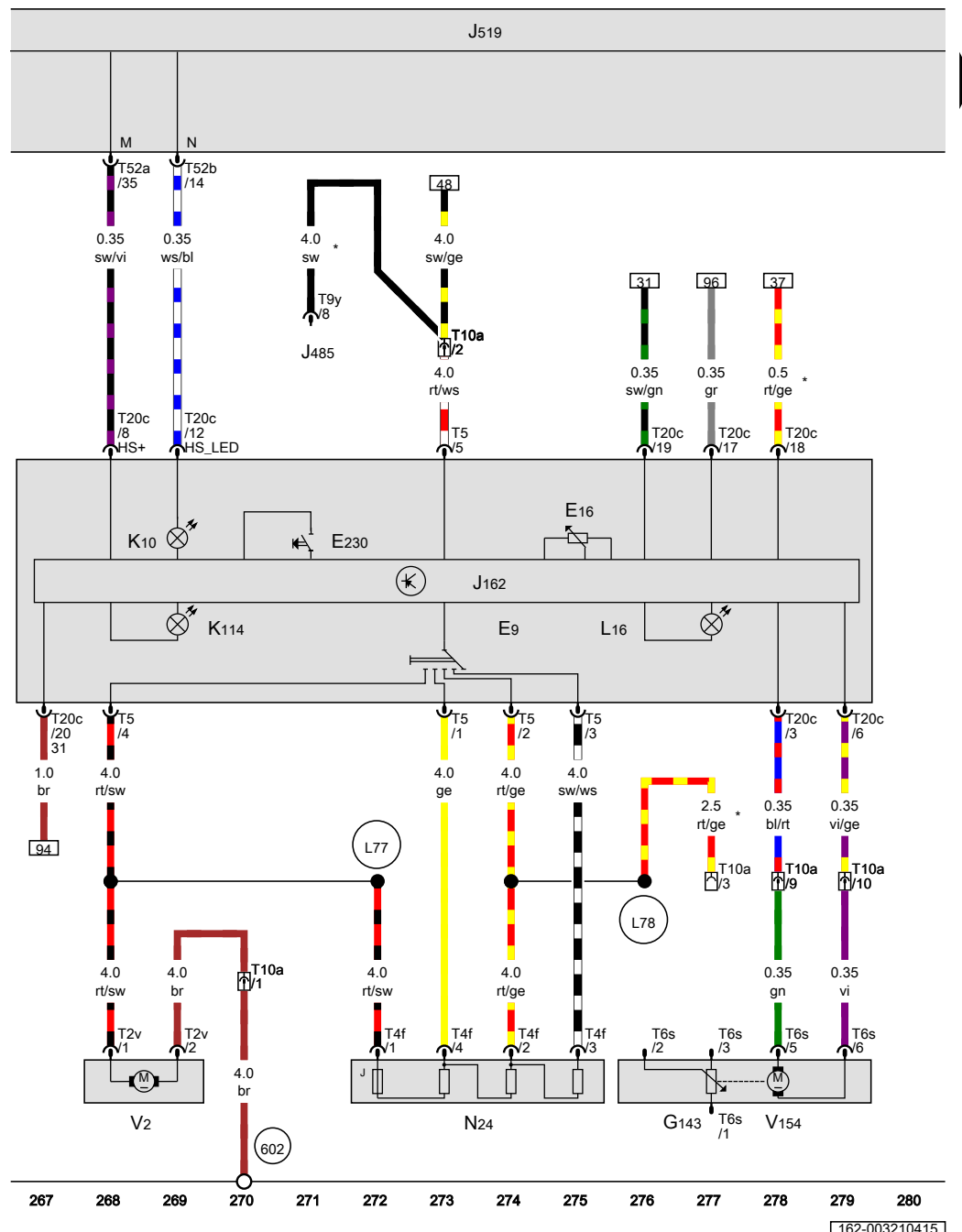
- 43 Earth point, lower part of right A-pillar
- 374 Earth connection 9, in main wiring harness
- 602 Earth point, in front left footwell
- B177 Connection (61), in interior wiring harness
- B348 Connection 1 (75a), in main wiring harness

- * According to equipment
- *2 Only models with no start/stop system
- *3 Only models with start/stop system

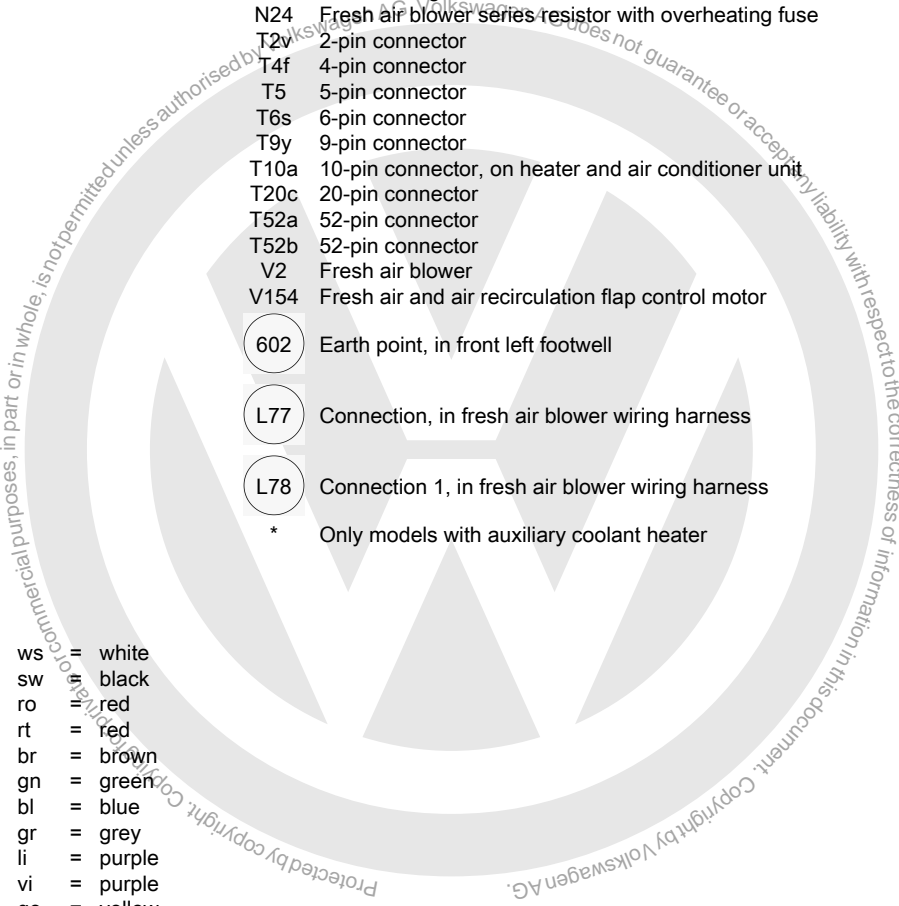
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- rs = pink

162-003200415

Fresh air blower switch, Heater control unit, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower, Fresh air and air recirculation flap control motor



- E9 Fresh air blower switch
- E16 Heater/heat output switch
- E230 Heated rear window button
- G143 Potentiometer for air recirculation flap control motor
- J162 Heater control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- L16 Fresh air regulator illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- T2v 2-pin connector
- T4f 4-pin connector
- T5 5-pin connector
- T6s 6-pin connector
- T9y 9-pin connector
- T10a 10-pin connector, on heater and air conditioner unit
- T20c 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V2 Fresh air blower
- V154 Fresh air and air recirculation flap control motor
- 602 Earth point, in front left footwell
- L77 Connection, in fresh air blower wiring harness
- L78 Connection 1, in fresh air blower wiring harness
- * Only models with auxiliary coolant heater



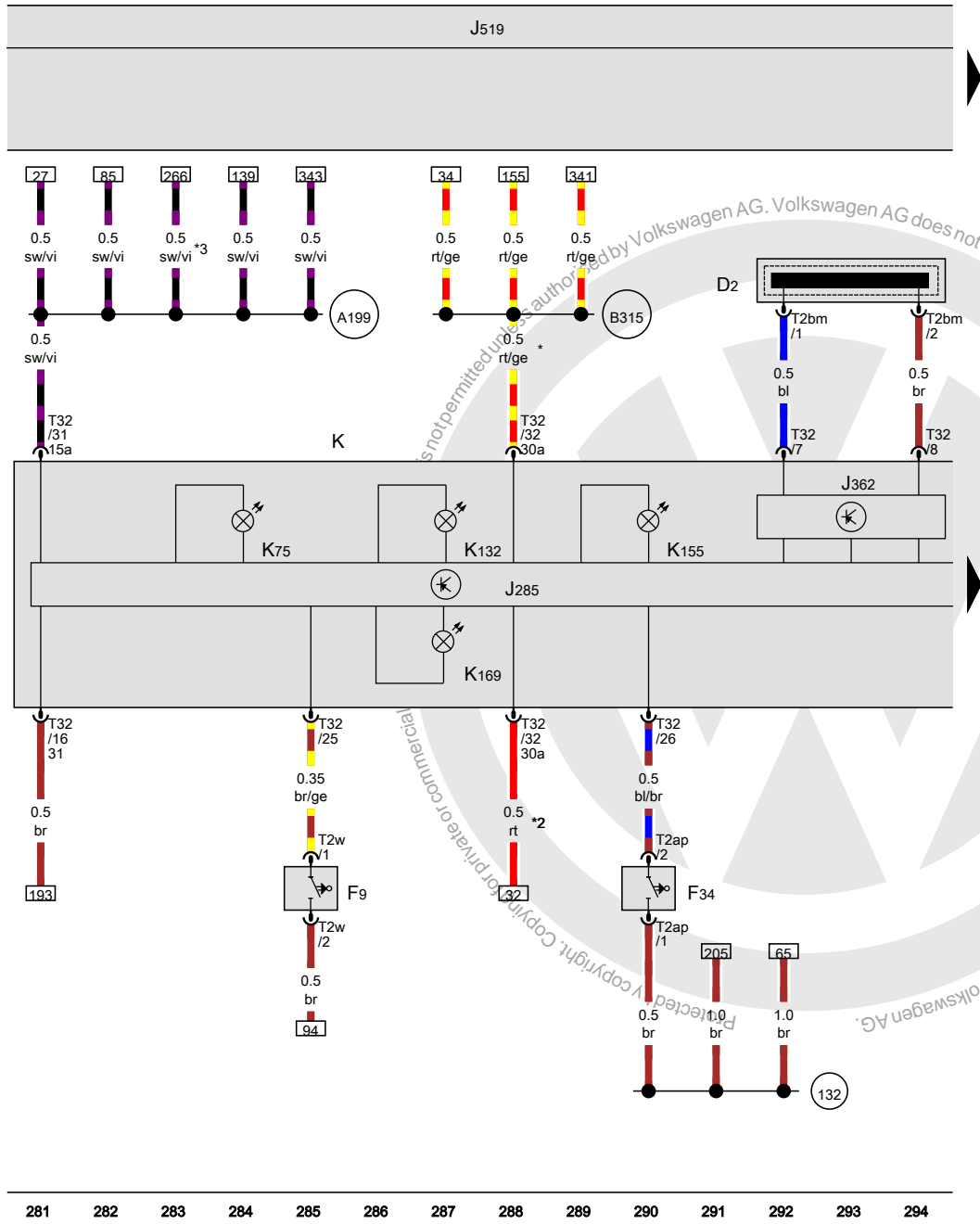
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Immobiliser control unit, Onboard supply control unit, Dash panel insert

- D2 Immobiliser reader coil
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K75 Airbag warning lamp
- K132 Electronic power control fault lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K169 Selector lever lock warning lamp
- T2ap 2-pin connector
- T2bm 2-pin connector
- T2w 2-pin connector
- T32 32-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * Gradually discontinued
- *2 gradual introduction
- *3 Only models with start/stop system

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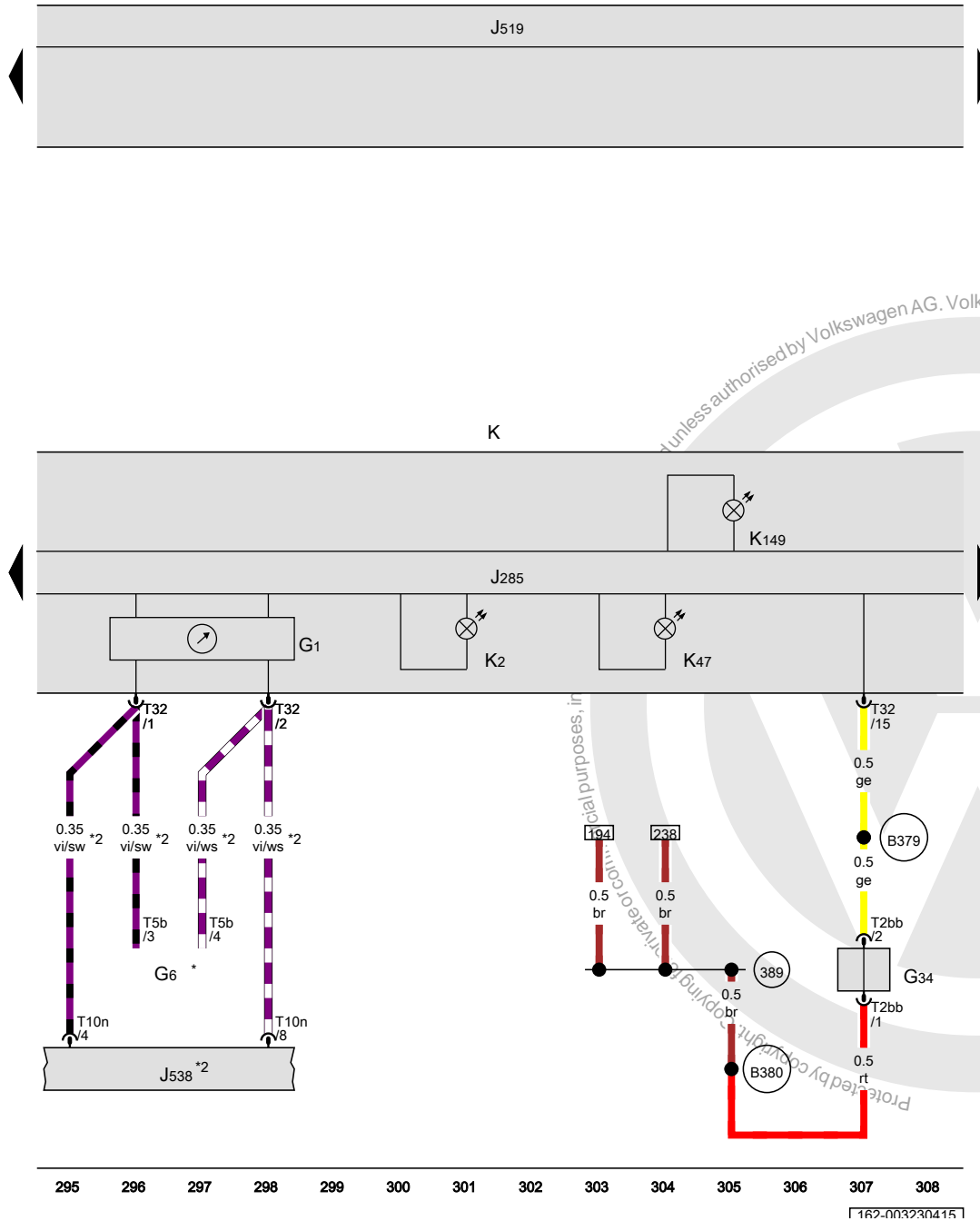
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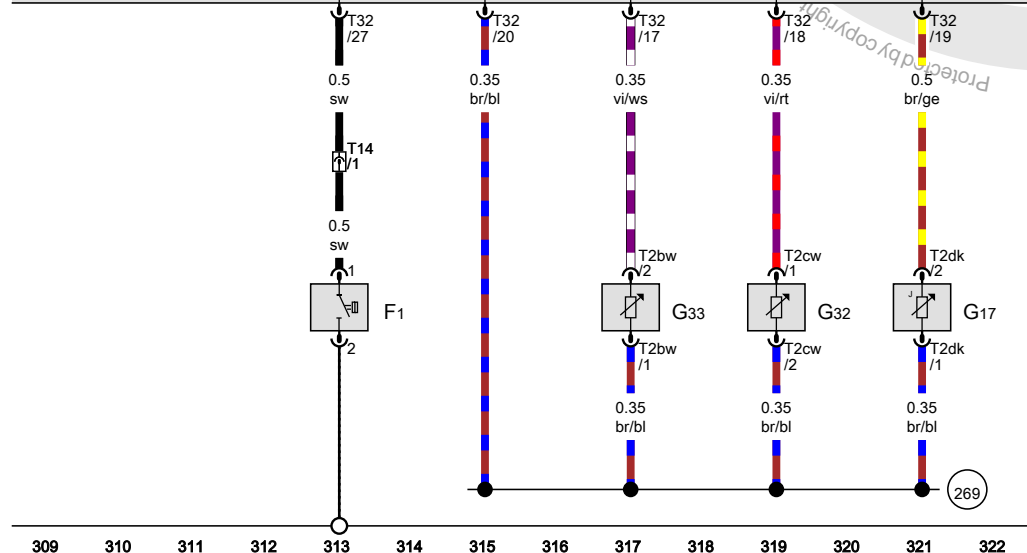
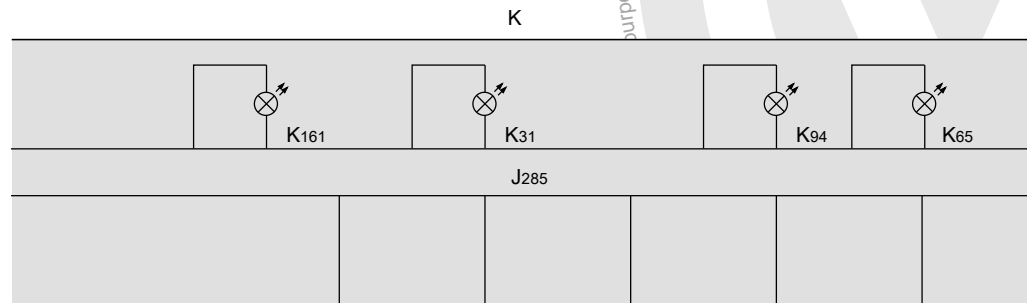
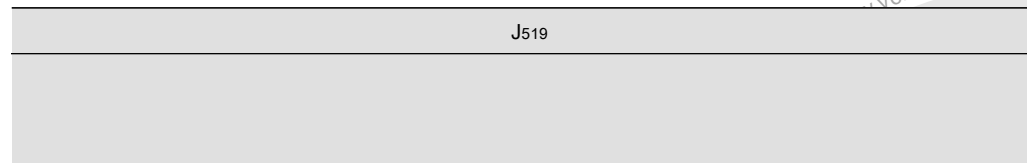
Front left brake pad wear sender, Onboard supply control unit, Dash panel insert

- G1 Fuel gauge
- G6 Fuel system pressurisation pump
- G34 Front left brake pad wear sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K47 ABS warning lamp
- K149 Engine electronics warning lamp
- T2bb 2-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- T32 32-pin connector

- 389 Earth connection 24, in main wiring harness
- B379 Connection 1 (brake pad wear indicator), in main wiring harness
- B380 Connection 2 (brake pad wear indicator), in main wiring harness
- * see applicable current flow diagram for engine
- *2 According to equipment



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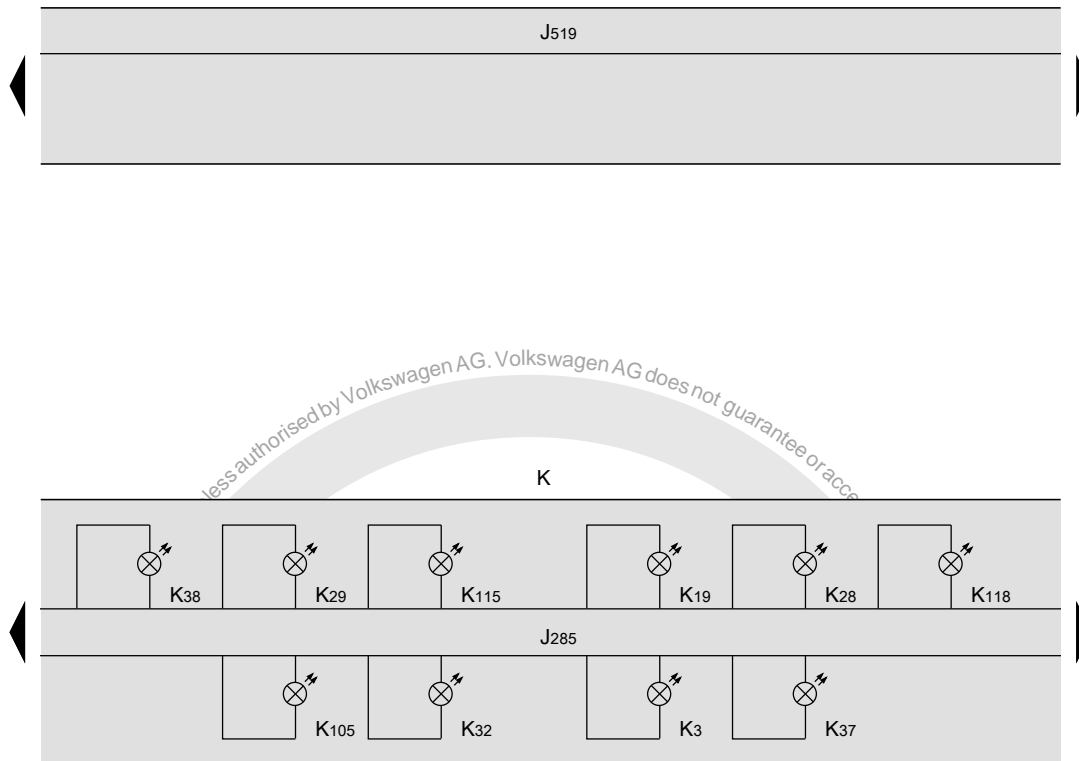
Oil pressure switch, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit, Dash panel insert

- F1 Oil pressure switch
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K31 Cruise control system warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K161 Electromechanical power steering warning lamp
- T2bw 2-pin connector
- T2cw 2-pin connector
- T2dk 2-pin connector
- T14 14-pin connector
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness

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Onboard supply control unit, Dash panel insert

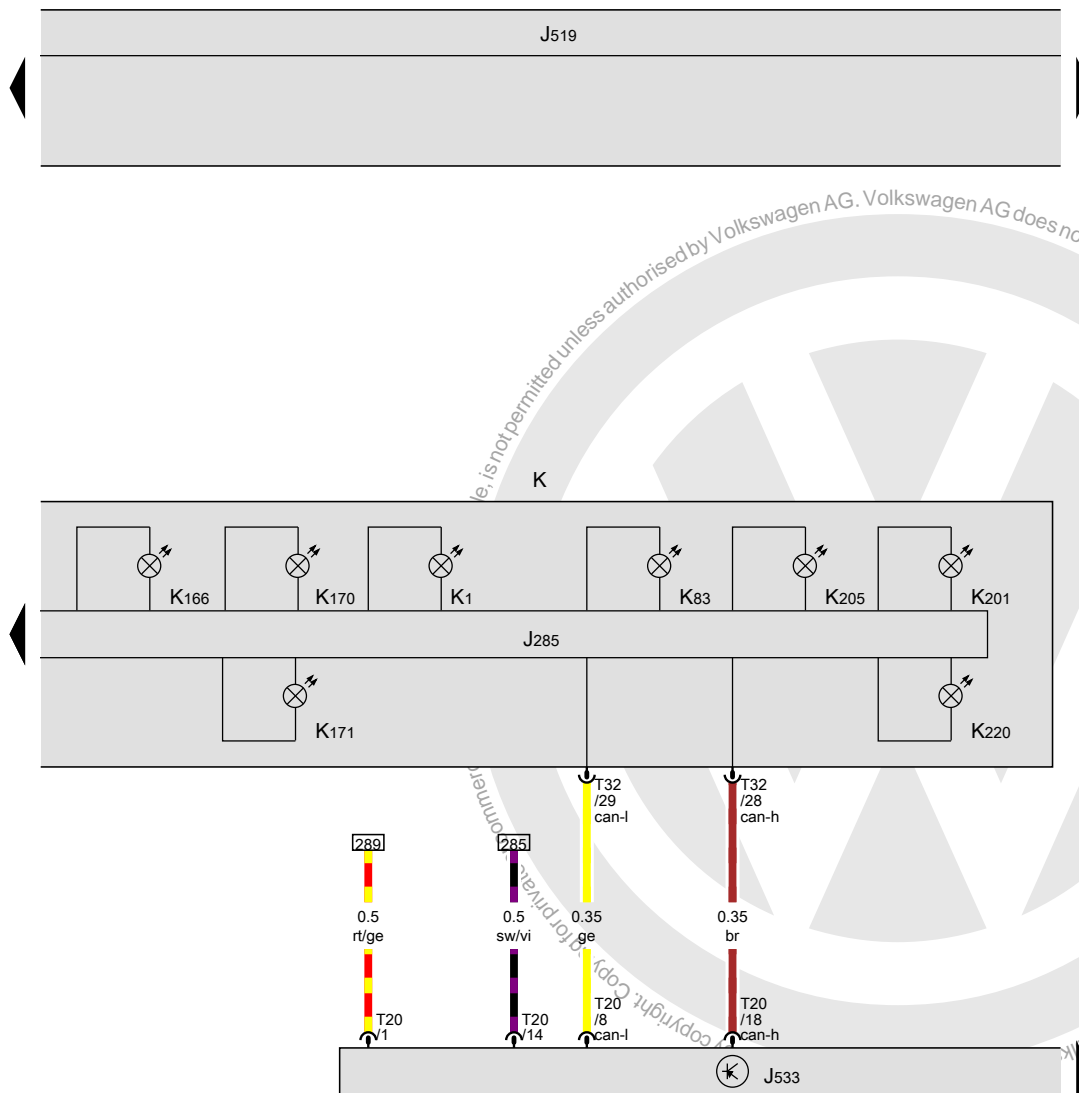
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K3 Oil pressure warning lamp
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K32 Brake pad warning lamp
- K37 Washer fluid level warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K115 Immobiliser warning lamp
- K118 Brake system warning lamp



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Onboard supply control unit, Data bus diagnostic interface, Dash panel insert

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K1 Main beam warning lamp
- K83 Exhaust emissions warning lamp
- K166 Door open warning lamp
- K170 Bulb failure warning lamp
- K171 Bonnet open warning lamp
- K201 Fuel tank flap lock warning lamp
- K205 Warning lamp for daytime running lights
- K220 Tyre Pressure Loss Indicator warning lamp
- T20 20-pin connector
- T32 32-pin connector



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Onboard supply control unit, Data bus diagnostic interface

- J104 ABS control unit
- J234 Airbag control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T20 20-pin connector
- T20e 20-pin connector
- T47 47-pin connector
- T75 75-pin connector

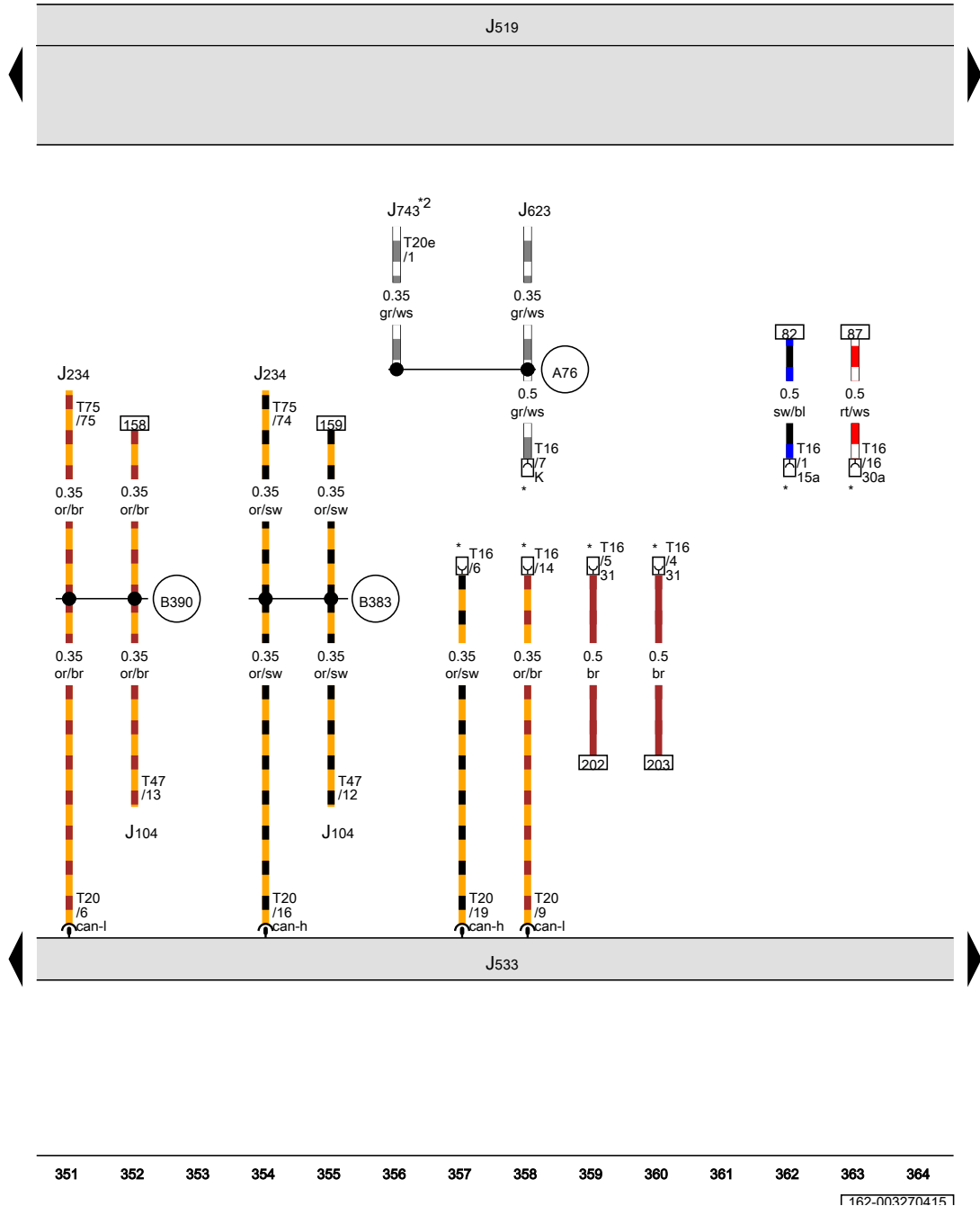
A76 Connection (K-diagnosis wire), in dash panel wiring harness

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

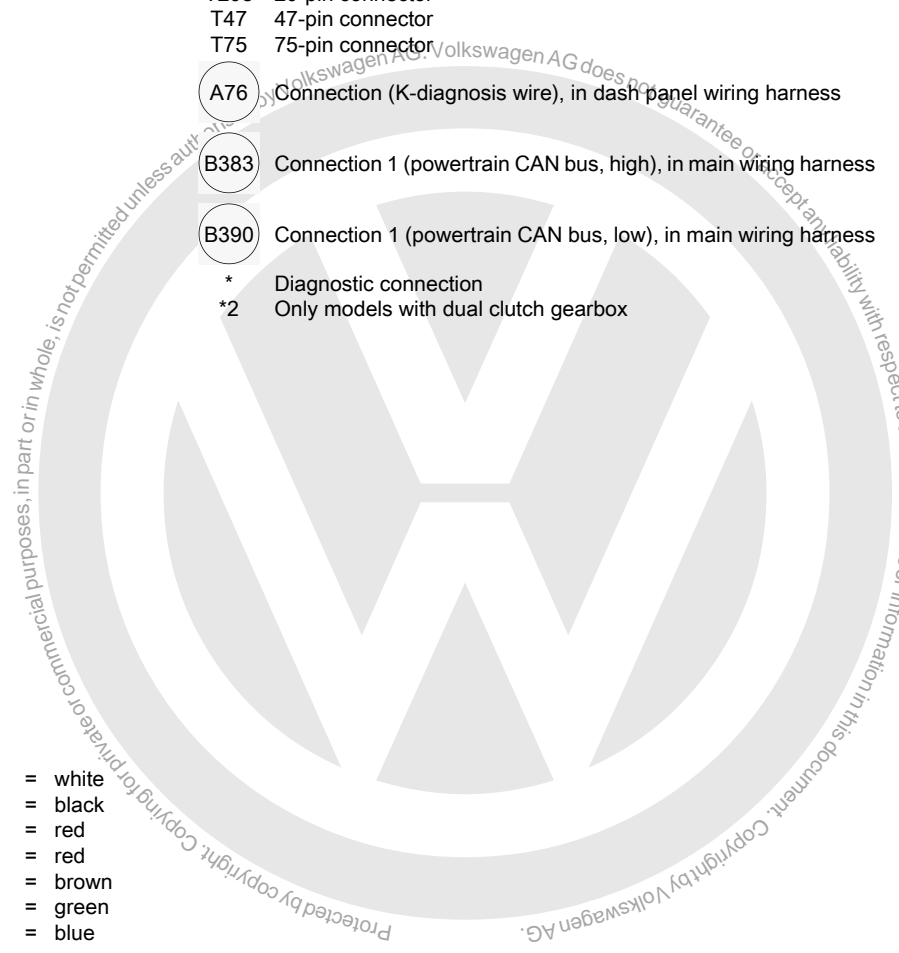
B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Diagnostic connection

*2 Only models with dual clutch gearbox



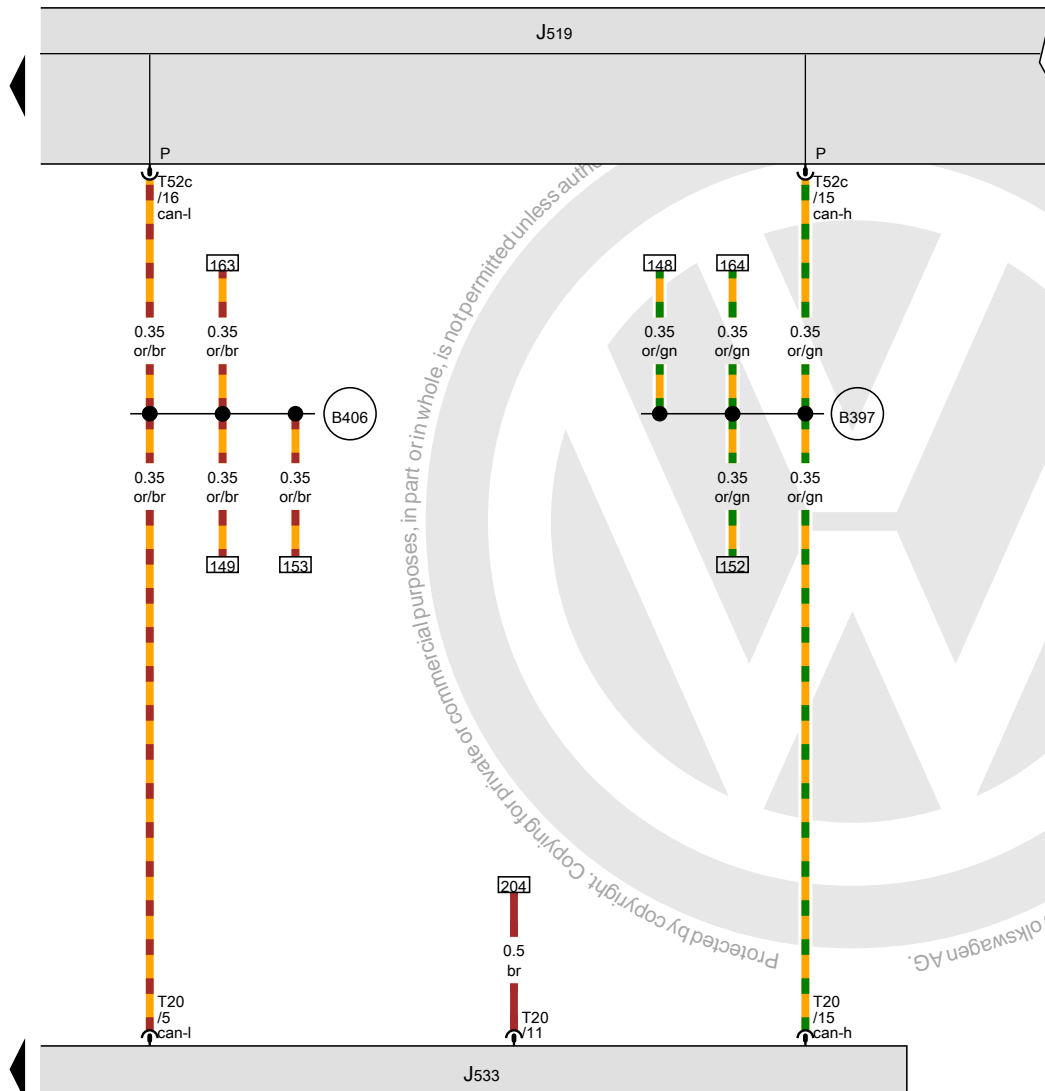
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Onboard supply control unit, Data bus diagnostic interface

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector
- T52c 52-pin connector

- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness



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[162-003280415]

Convenience system , (AW1)

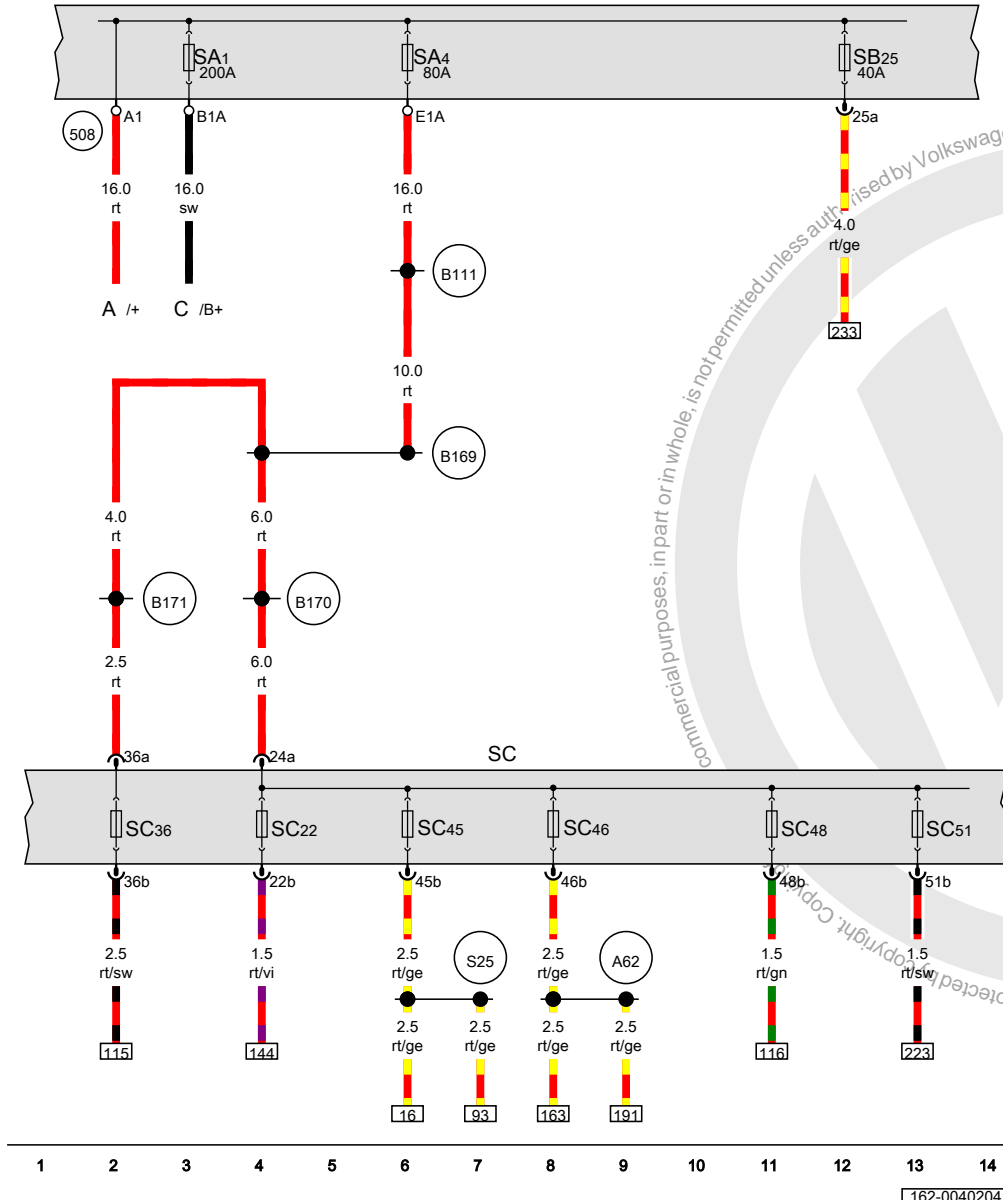
From April 2010



Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 25 on fuse holder B, Fuse holder C

- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C

- 508 Threaded connection (30) on E-box
- A62 Connection (window regulators), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- S25 Positive connection (30a), in central locking wiring harness

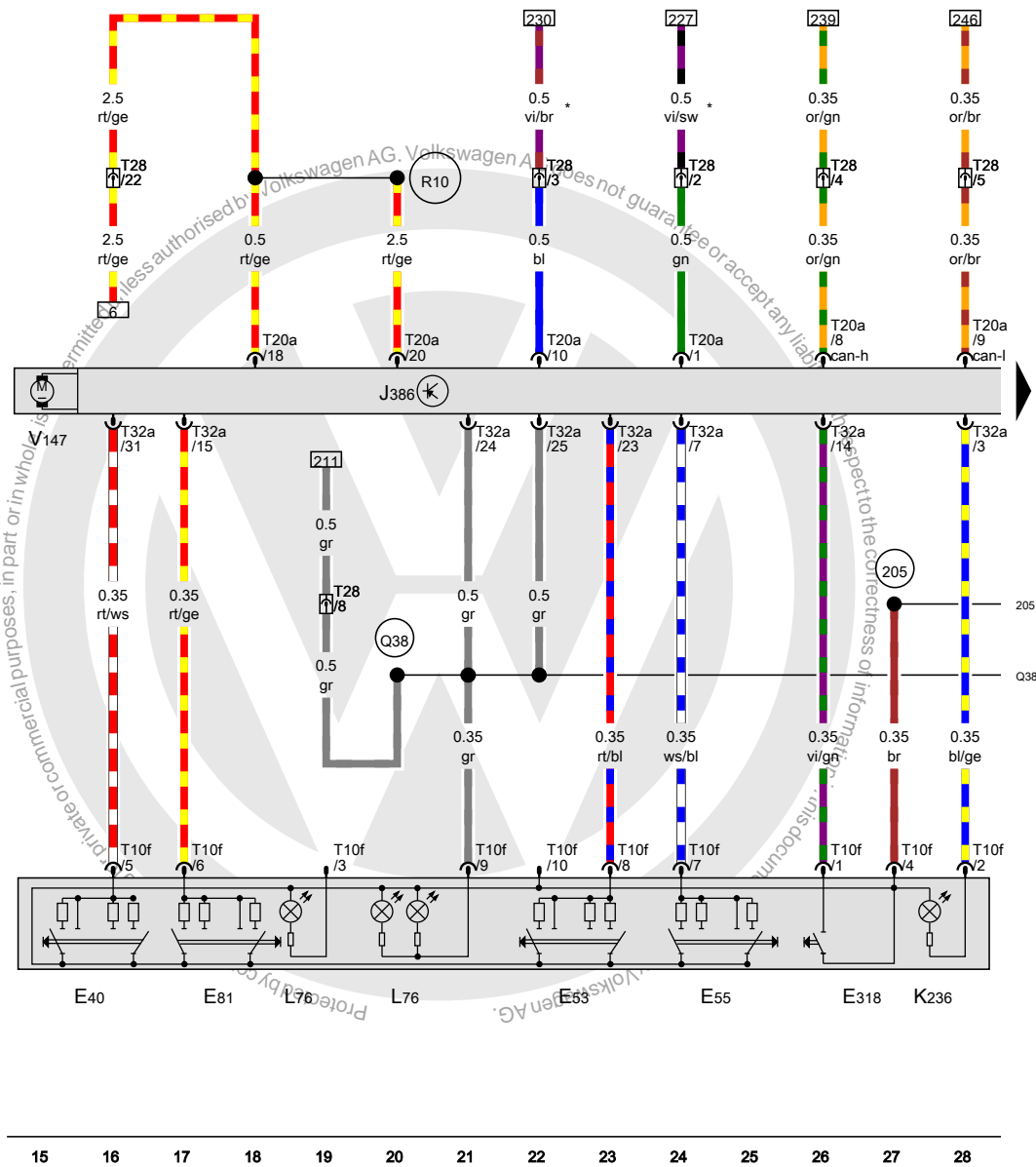


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162-004020415

Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit



- E40 Front left window regulator switch
- E53 Rear left window regulator switch, in driver door
- E55 Rear right window regulator switch, in driver door
- E81 Front right window regulator switch in driver door
- E318 Childproof lock button
- J386 Driver door control unit
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T10f 10-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector
- V147 Driver side window regulator motor
- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- R10 Positive connection 1 (30), in driver door wiring harness
- * Gradually discontinued

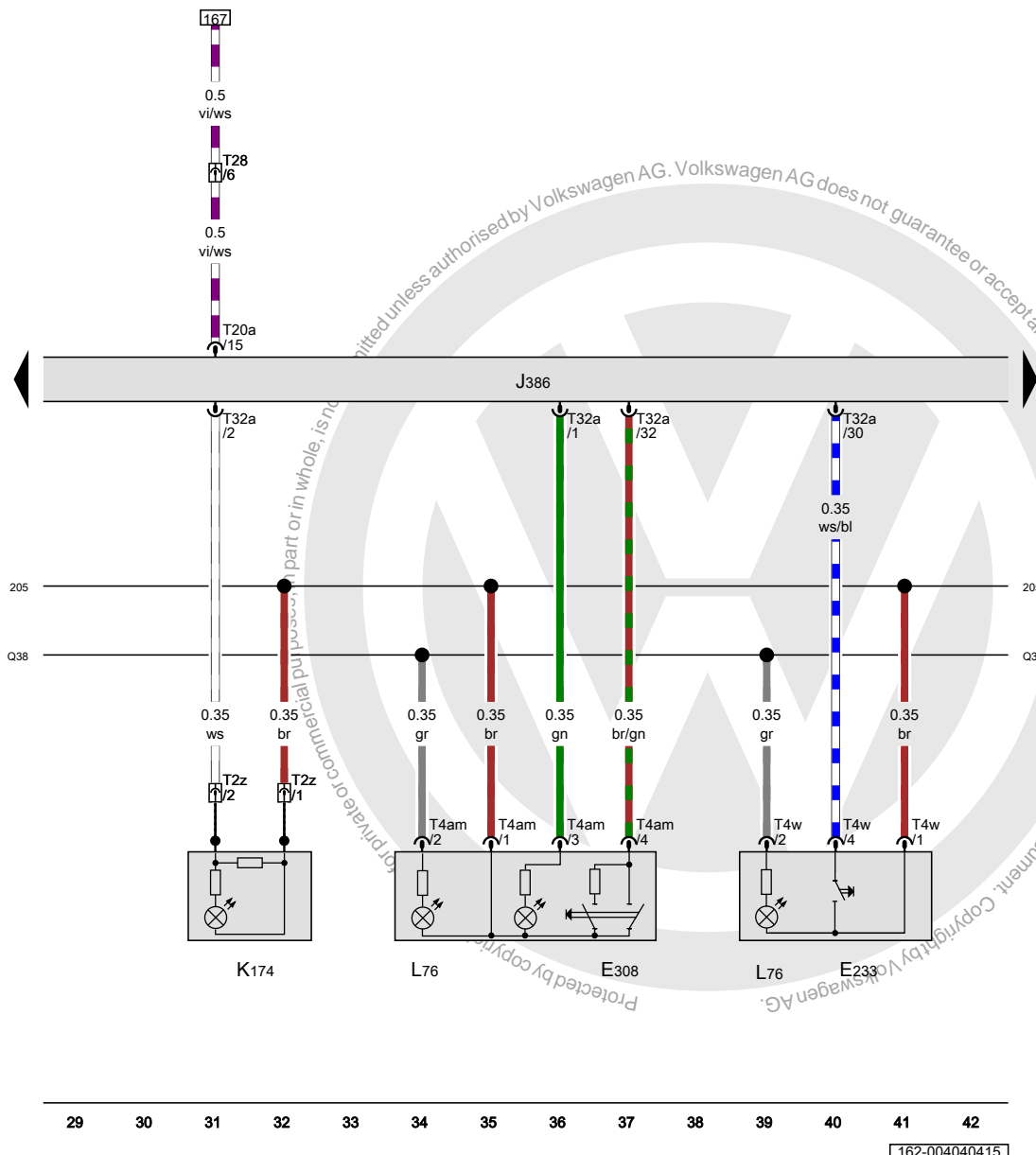
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162-004030415

Rear lid remote release button, Driver side interior locking button for central locking system, Driver door control unit, Driver side interior locking warning lamp

- E233 Rear lid remote release button
- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2z 2-pin connector
- T4am 4-pin connector
- T4w 4-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness

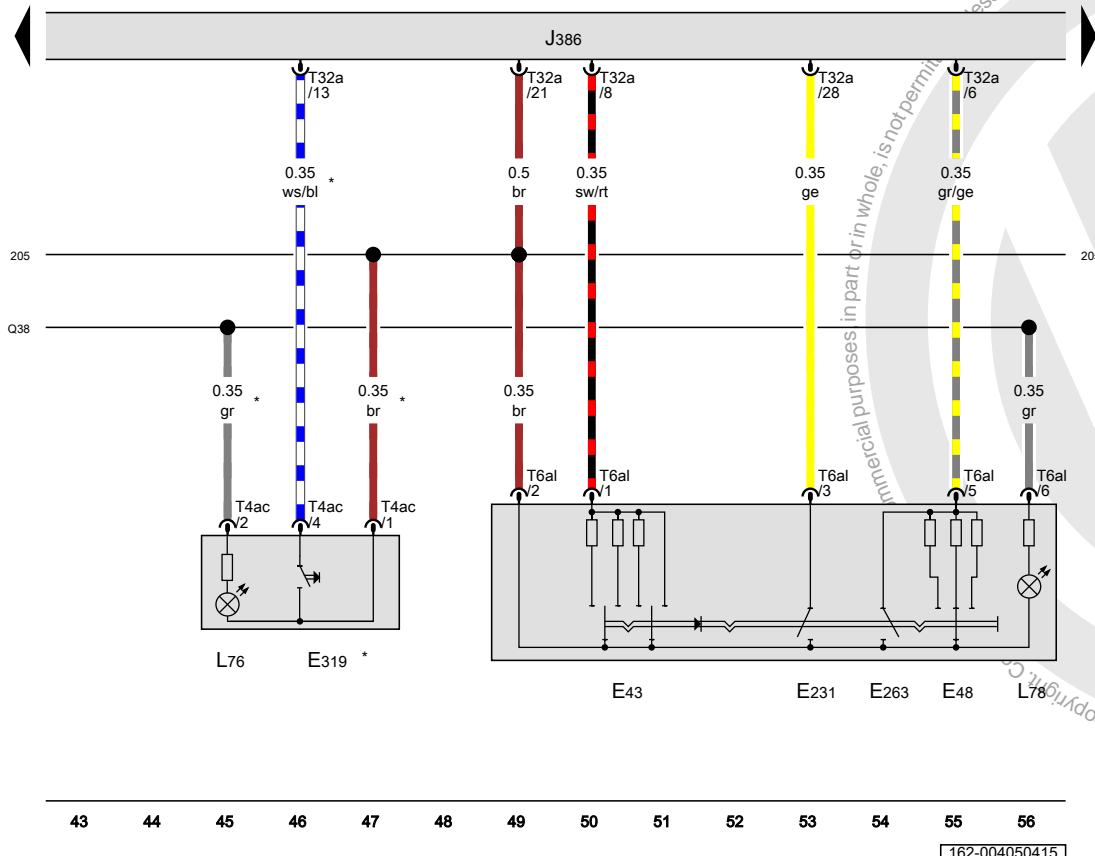


162-0040415

Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Fold-in mirror switch, Fuel tank flap release button, Driver door control unit, Mirror adjustment switch illumination bulb

- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- E319 Fuel tank flap release button
- J386 Driver door control unit
- L76 Button illumination bulb
- L78 Mirror adjustment switch illumination bulb
- T4ac 4-pin connector
- T6al 6-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1, (58b), in window regulator wiring harness
- * Only for American markets

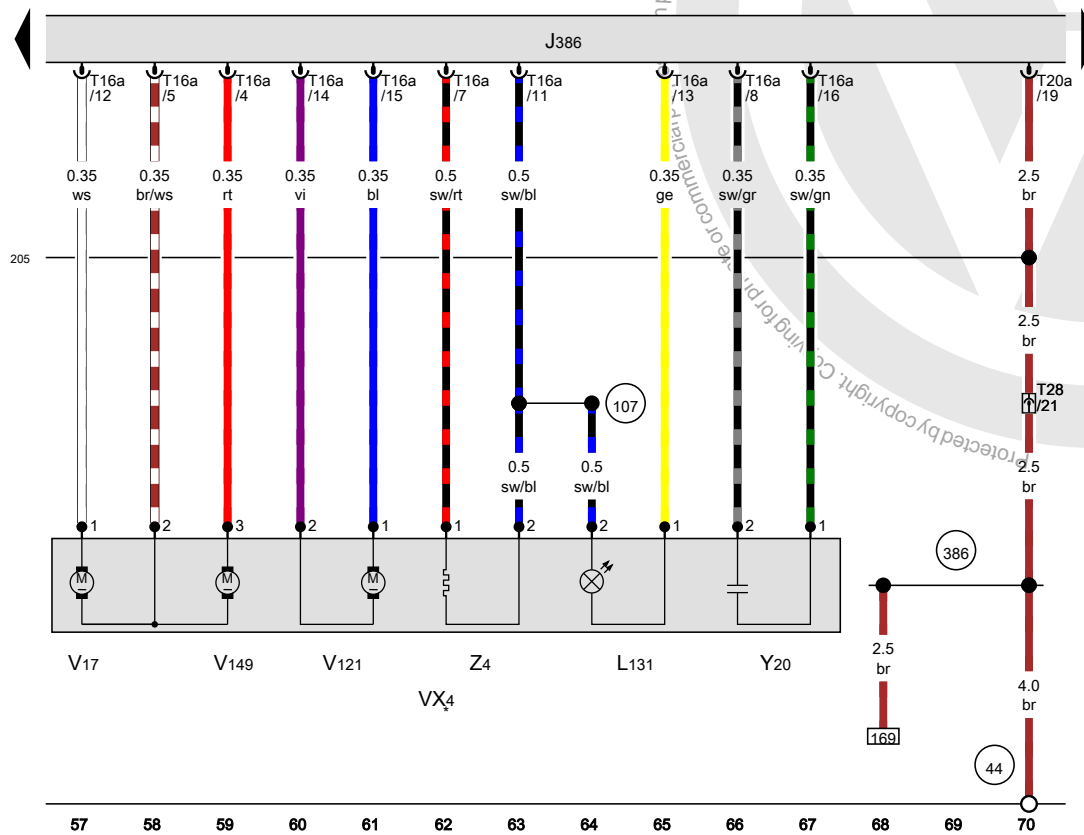


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Driver door control unit, Driver side exterior mirror, Driver side mirror adjustment motor 2, Driver side fold-in mirror motor, Driver side mirror adjustment motor, Driver side automatic anti-dazzle exterior mirror

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T16a 16-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Y20 Driver side automatic anti-dazzle exterior mirror
- Z4 Heated exterior mirror on driver side

- 44 Earth point, lower part of left A-pillar
- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- * Pre-wired component



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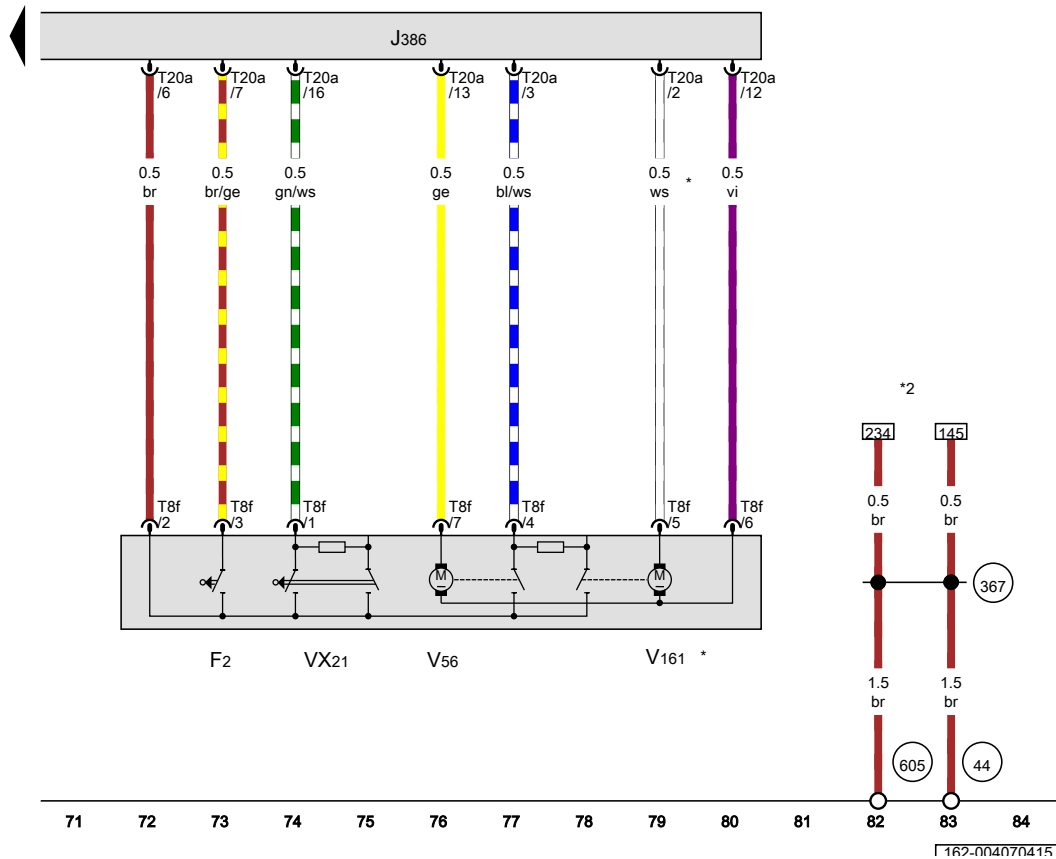
162-004060415

Driver door contact switch, Driver door control unit, Driver door lock unit, Driver door central locking motor

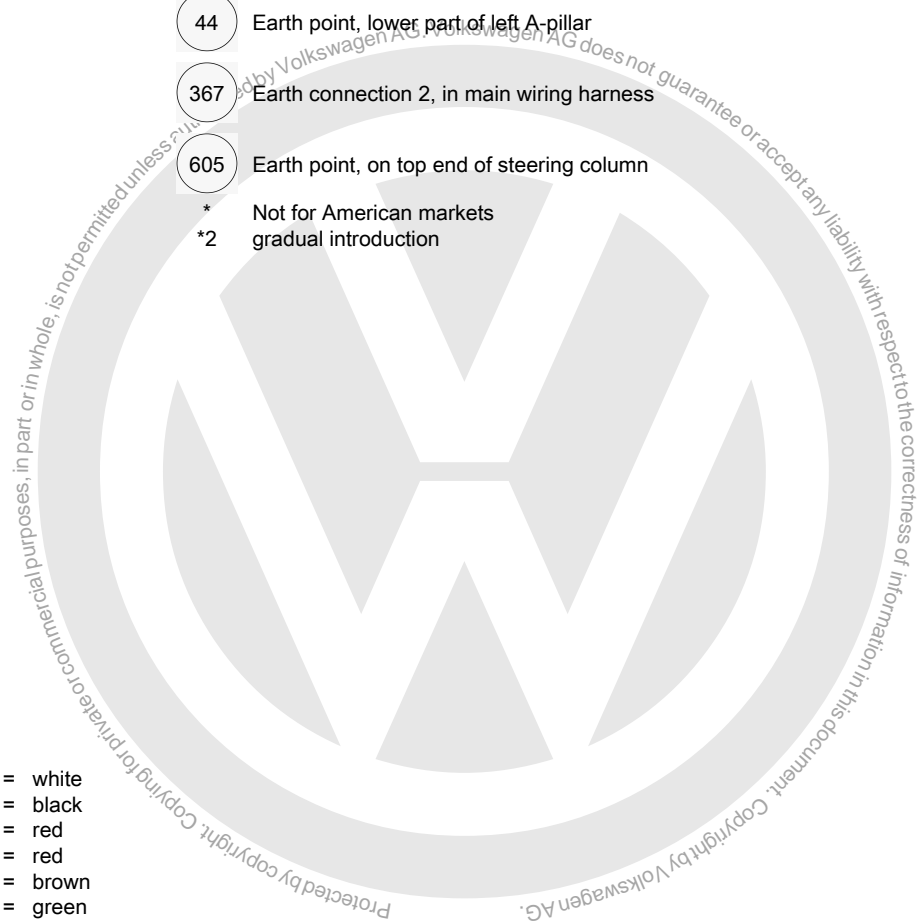
- F2 Driver door contact switch
- J386 Driver door control unit
- T8f 8-pin connector
- T20a 20-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column

* Not for American markets
*2 gradual introduction



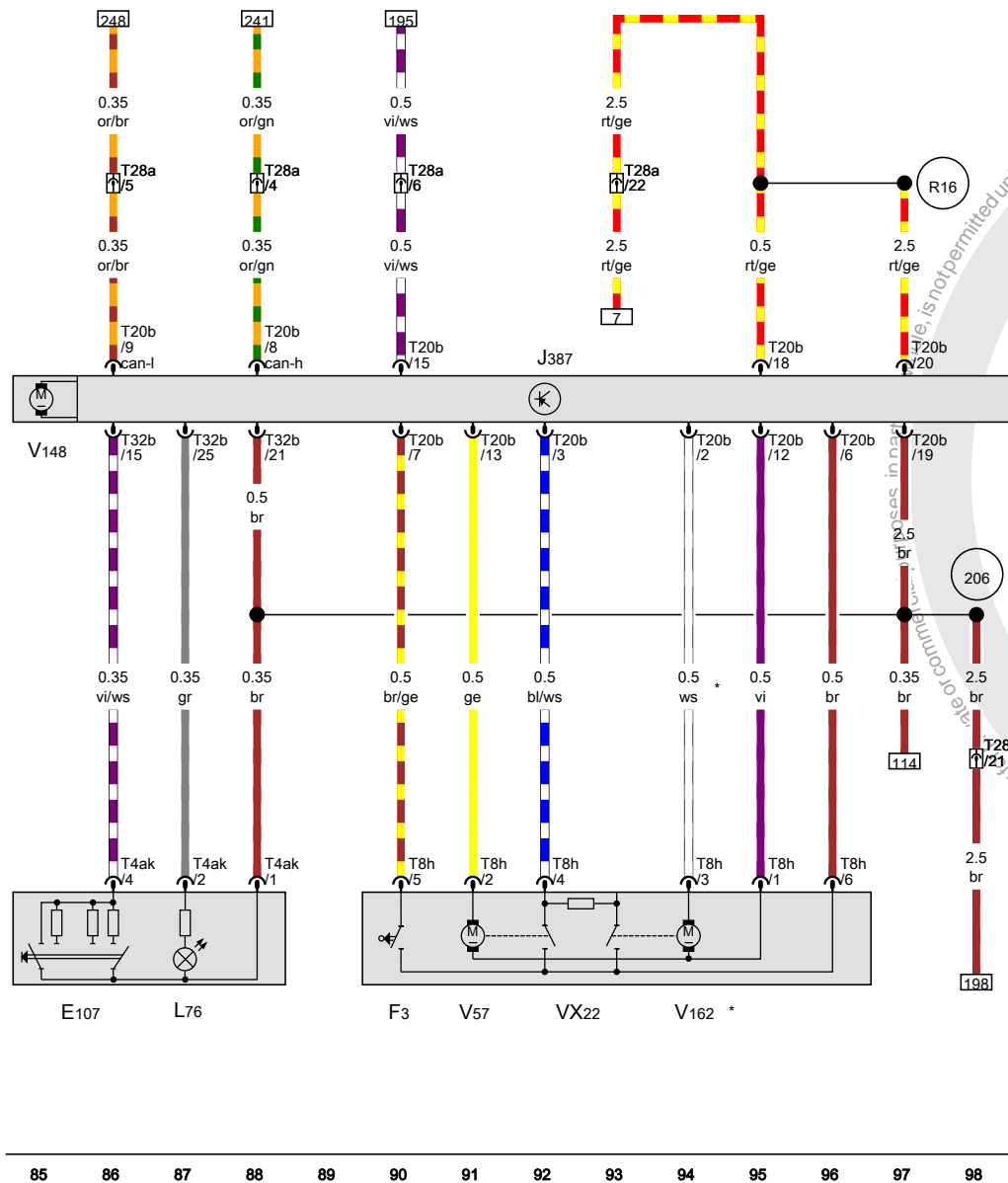
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162-004070415

Window regulator switch in front passenger door, Front passenger door contact switch, Front passenger door control unit, Front passenger door lock unit, Front passenger seat central locking motor, Front passenger side window regulator motor

- E107 Window regulator switch in front passenger door
- F3 Front passenger door contact switch
- J387 Front passenger door control unit
- L76 Button illumination bulb
- T4ak 4-pin connector
- T8h 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32b 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor
- V148 Front passenger side window regulator motor
- V162 Front passenger door central locking SAFELOCK function motor
- 206 Earth connection, in front passenger door wiring harness
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * Not for American markets



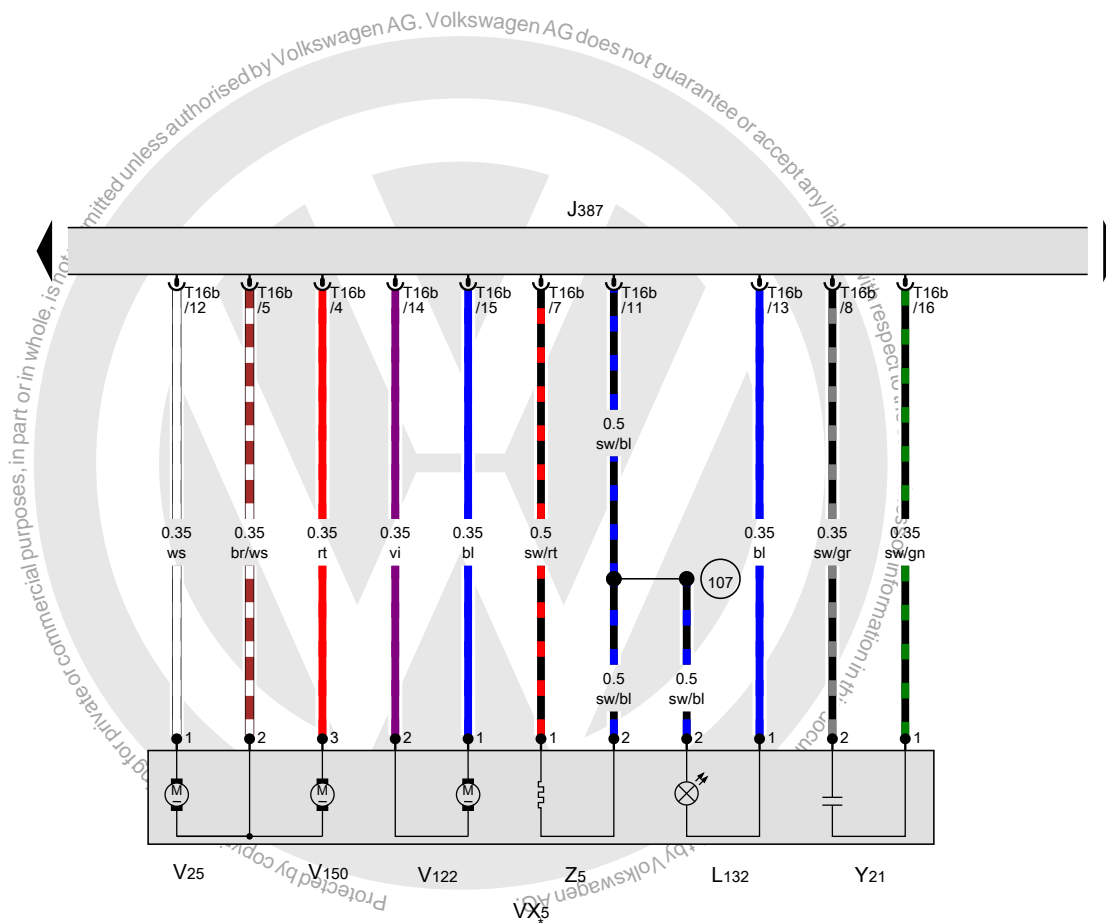
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Front passenger door control unit, Front passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor, Front passenger side automatic anti-dazzle exterior mirror

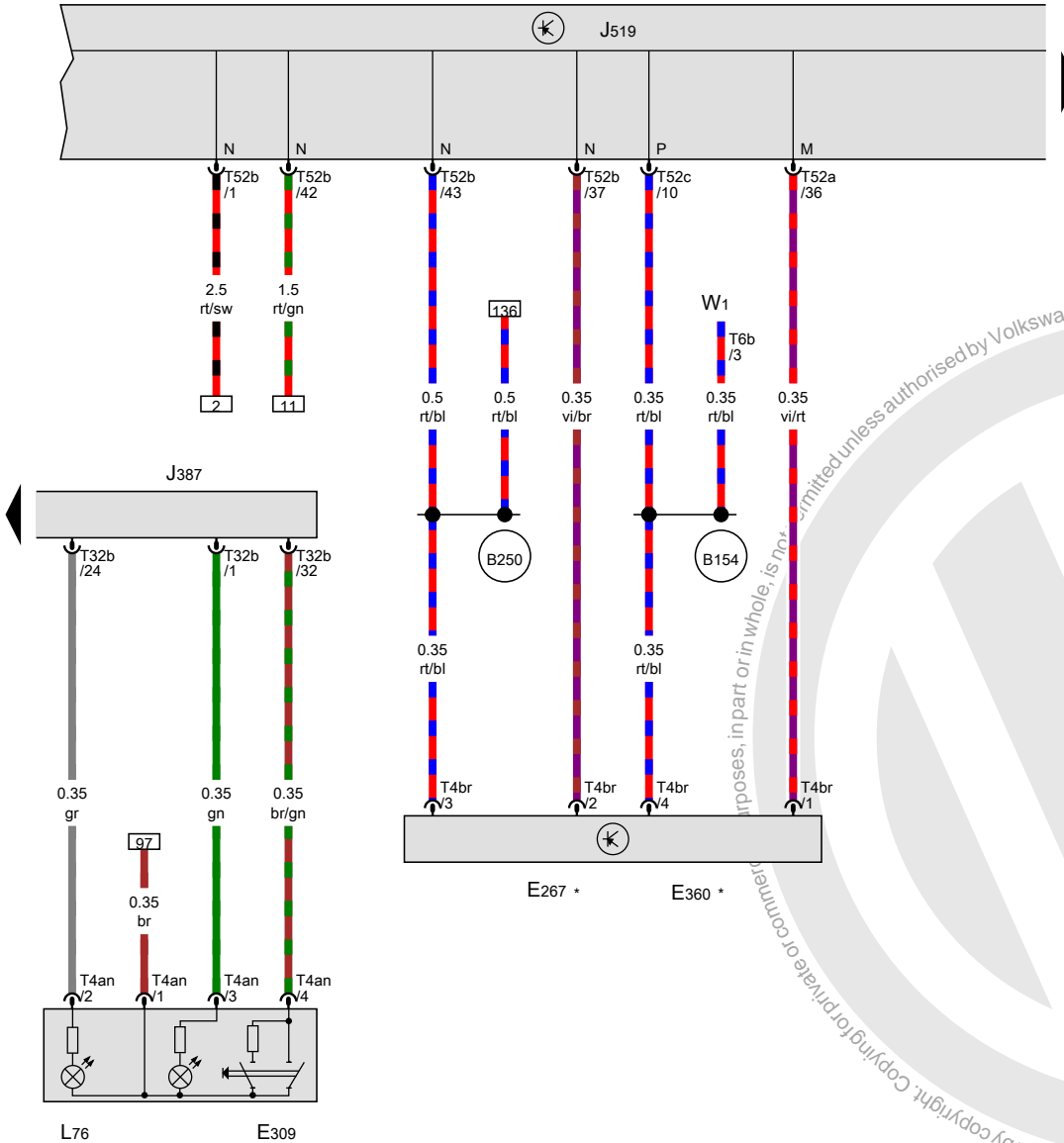
- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T16b 16-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Y21 Front passenger side automatic anti-dazzle exterior mirror
- Z5 Heated exterior mirror on front passenger side

107 Earth connection, in external mirror wiring harness

* Pre-wired component



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Interior monitoring deactivation switch, Front passenger side interior locking button for central locking system, Deactivation button for vehicle inclination sender, Front passenger door control unit, Onboard supply control unit, Front interior light

- E267 Interior monitoring deactivation switch
- E309 Front passenger side interior locking button for central locking system
- E360 Deactivation button for vehicle inclination sender
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4an 4-pin connector
- T4br 4-pin connector
- T6b 6-pin connector
- T32b 32-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light

B154 Connection 1 (DCT) in interior wiring harness

B250 Positive connection in roof wiring harness

* According to equipment

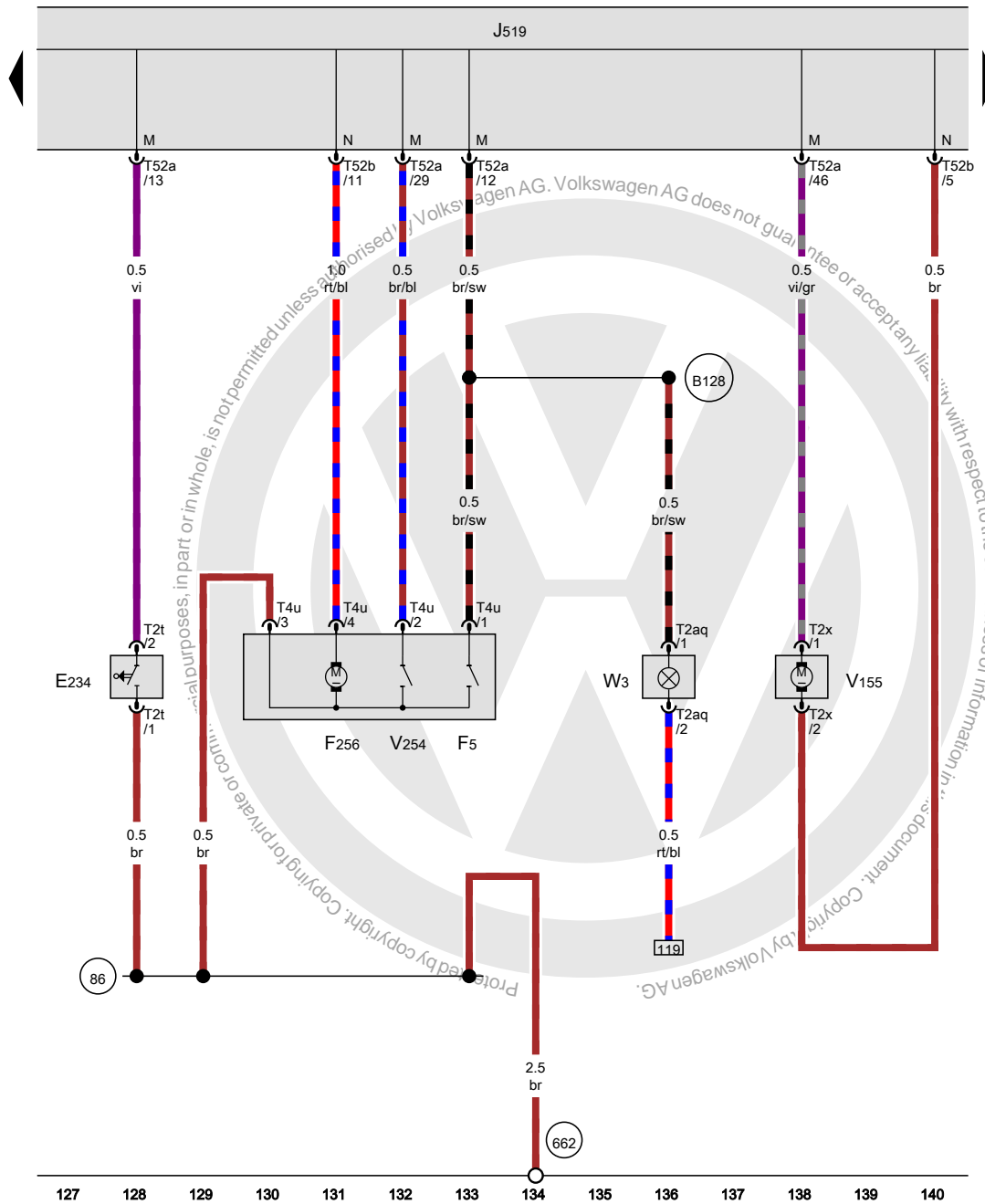
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Rear lid handle release button, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Tank filler flap locking motor, Rear lid electric opener motor, Luggage compartment light

- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2t 2-pin connector
- T2x 2-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Tank filler flap locking motor
- V254 Rear lid electric opener motor
- W3 Luggage compartment light

- 86 Earth connection 1, in rear wiring harness
- 662 Earth point, rear left side panel
- B128 Connection (luggage compartment light), in interior wiring harness

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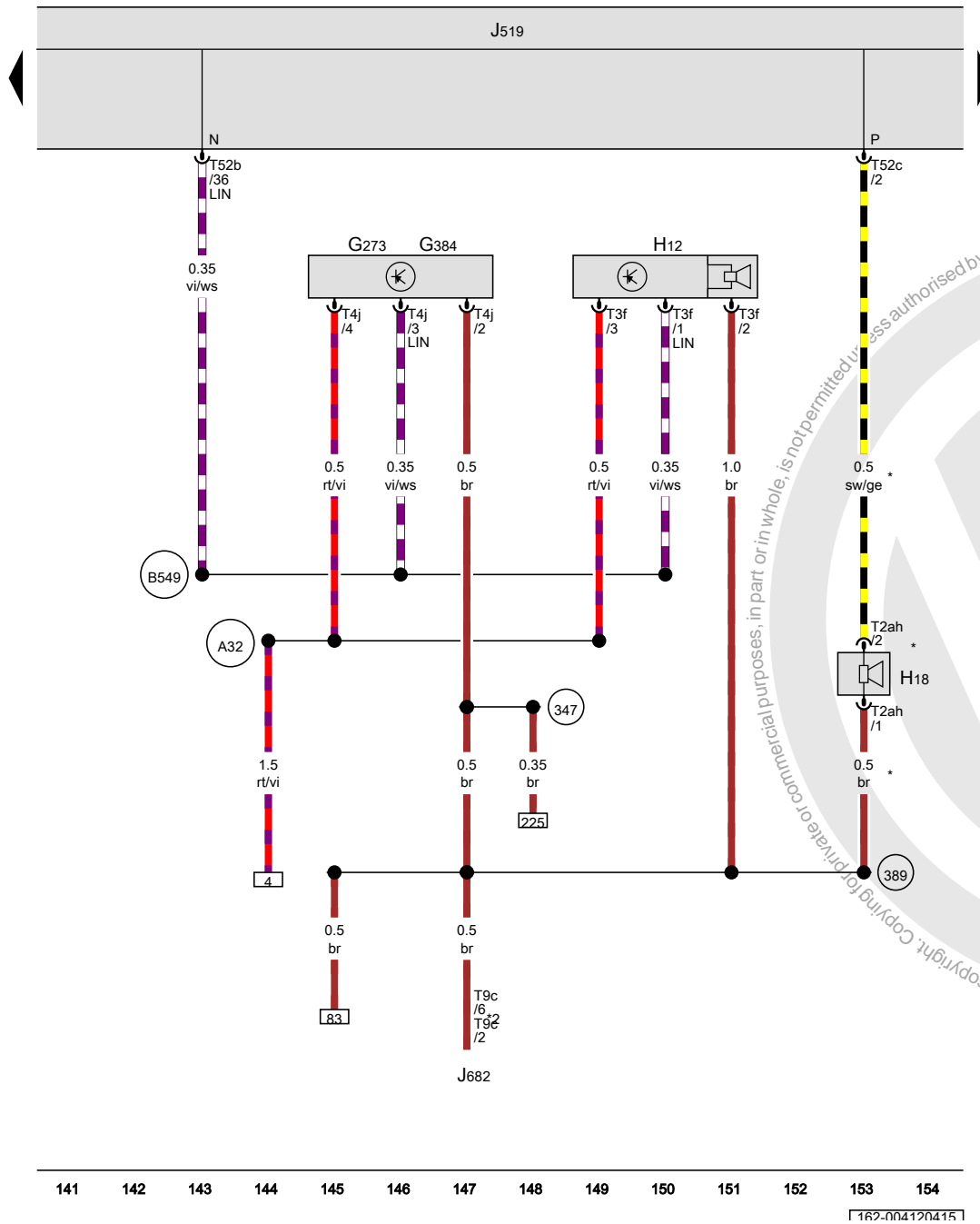
162-004110415

Interior monitoring sensor, Vehicle inclination sender, Alarm horn, Onboard supply control unit

- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- H12 Alarm horn
- H18 Alarm system horn
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- T2ah 2-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T9c 9-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 347 Earth connection, in roof wiring harness
- 389 Earth connection 24, in main wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- * Only for American markets
- *2 gradual introduction

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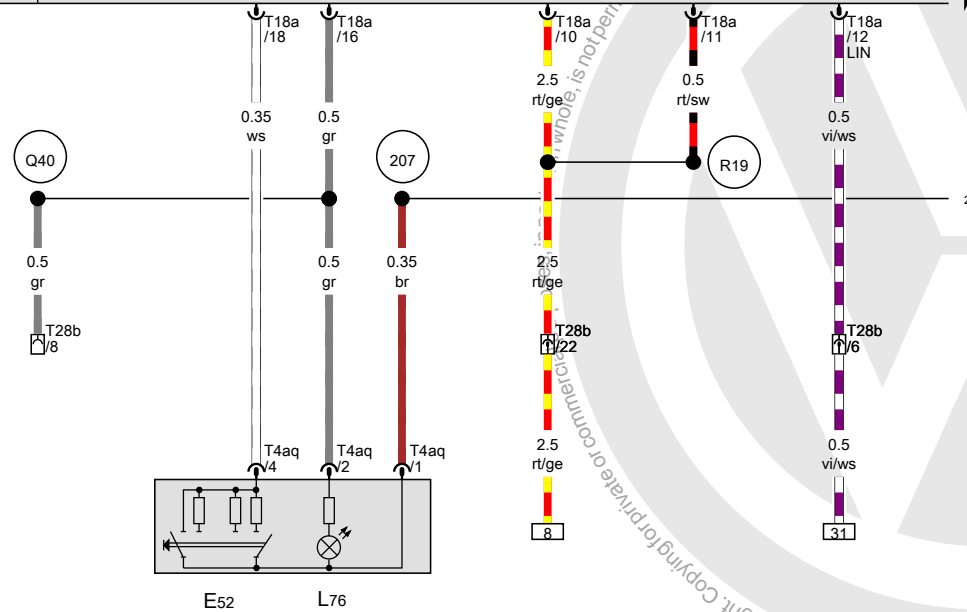
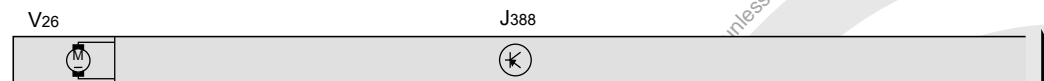
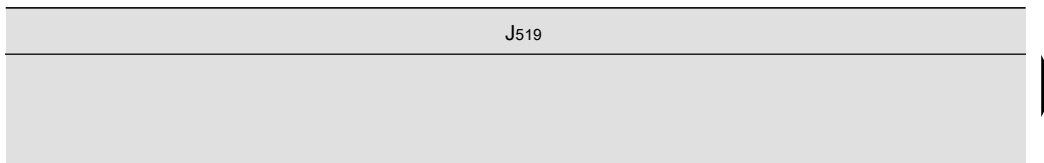
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162-004120415

Rear left window regulator switch, in door, Rear left door control unit, Onboard supply control unit, Rear left window regulator motor

- E52 Rear left window regulator switch, in door
- J388 Rear left door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4aq 4-pin connector
- T18a 18-pin connector
- T28b 28-pin connector, on left B-pillar
- V26 Rear left window regulator motor

- 207 Earth connection, in rear left door wiring harness
- Q40 Positive connection 3 (58b), in window regulator wiring harness
- R19 Positive connection 1 (30), in rear left door wiring harness



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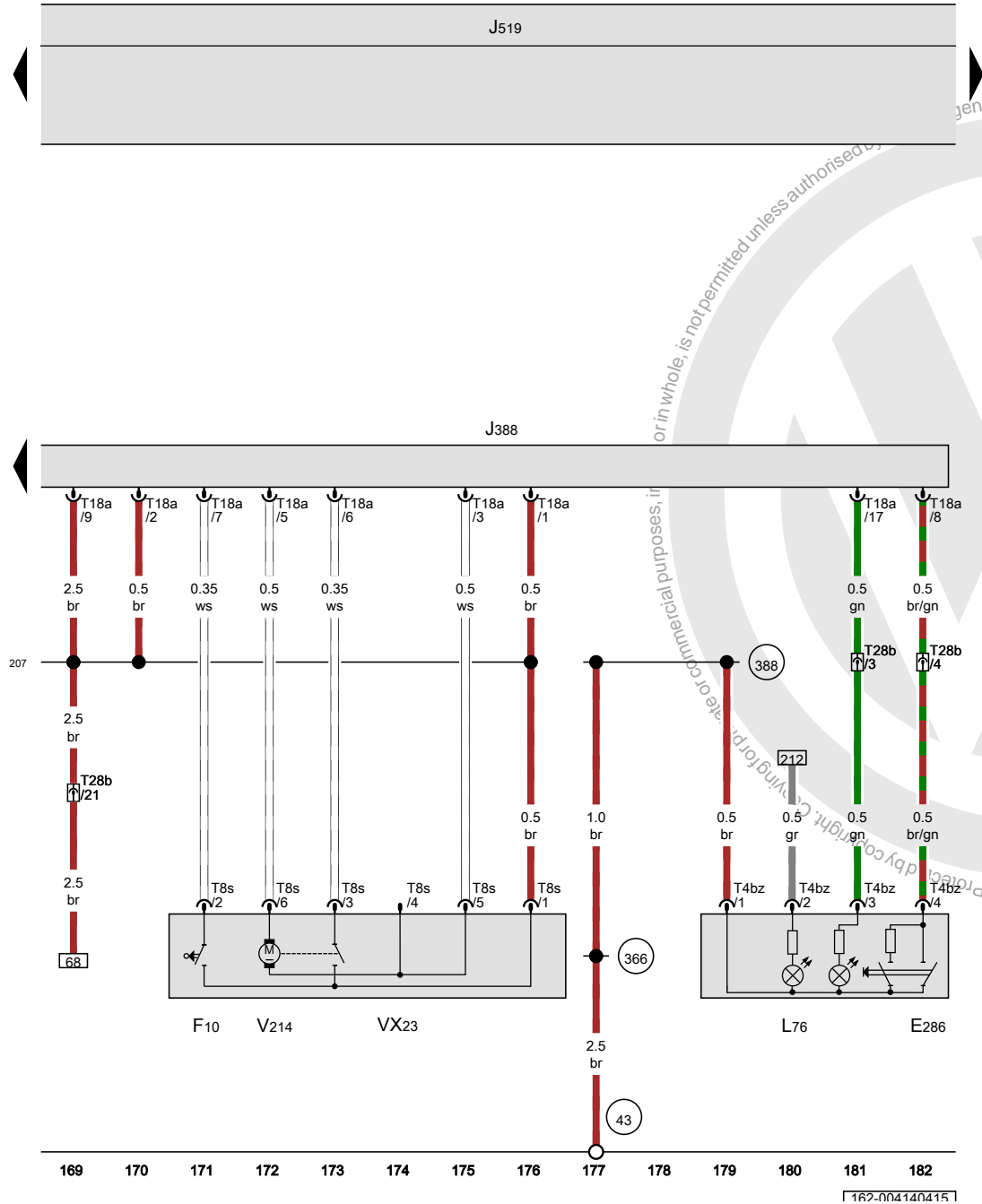
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[162-004130415]

Rear central switch for interior locking, Rear left door contact switch, Rear left door control unit, Onboard supply control unit, Rear left door lock unit, Rear left door central locking motor, lock

- E286 Rear central switch for interior locking
- F10 Rear left door contact switch
- J388 Rear left door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4bz 4-pin connector
- T8s 8-pin connector
- T18a 18-pin connector
- T28b 28-pin connector, on left B-pillar
- VX23 Rear left door lock unit
- V214 Rear left door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 207 Earth connection, in rear left door wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness

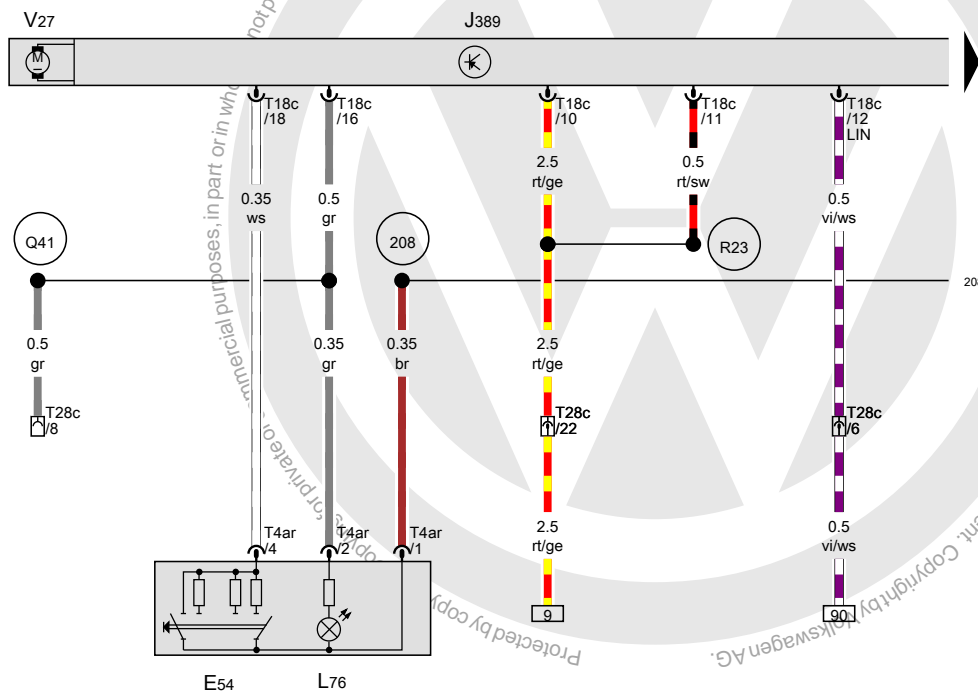


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Rear right window regulator switch, in door, Rear right door control unit, Onboard supply control unit, Rear right window regulator motor

- E54 Rear right window regulator switch, in door
- J389 Rear right door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T18c 18-pin connector
- T28c 28-pin connector, on right B-pillar
- V27 Rear right window regulator motor

- 208 Earth connection, in rear right door wiring harness
- Q41 Positive connection 4 (58b), in window regulator wiring harness
- R23 Positive connection 1 (30), in rear right door wiring harness

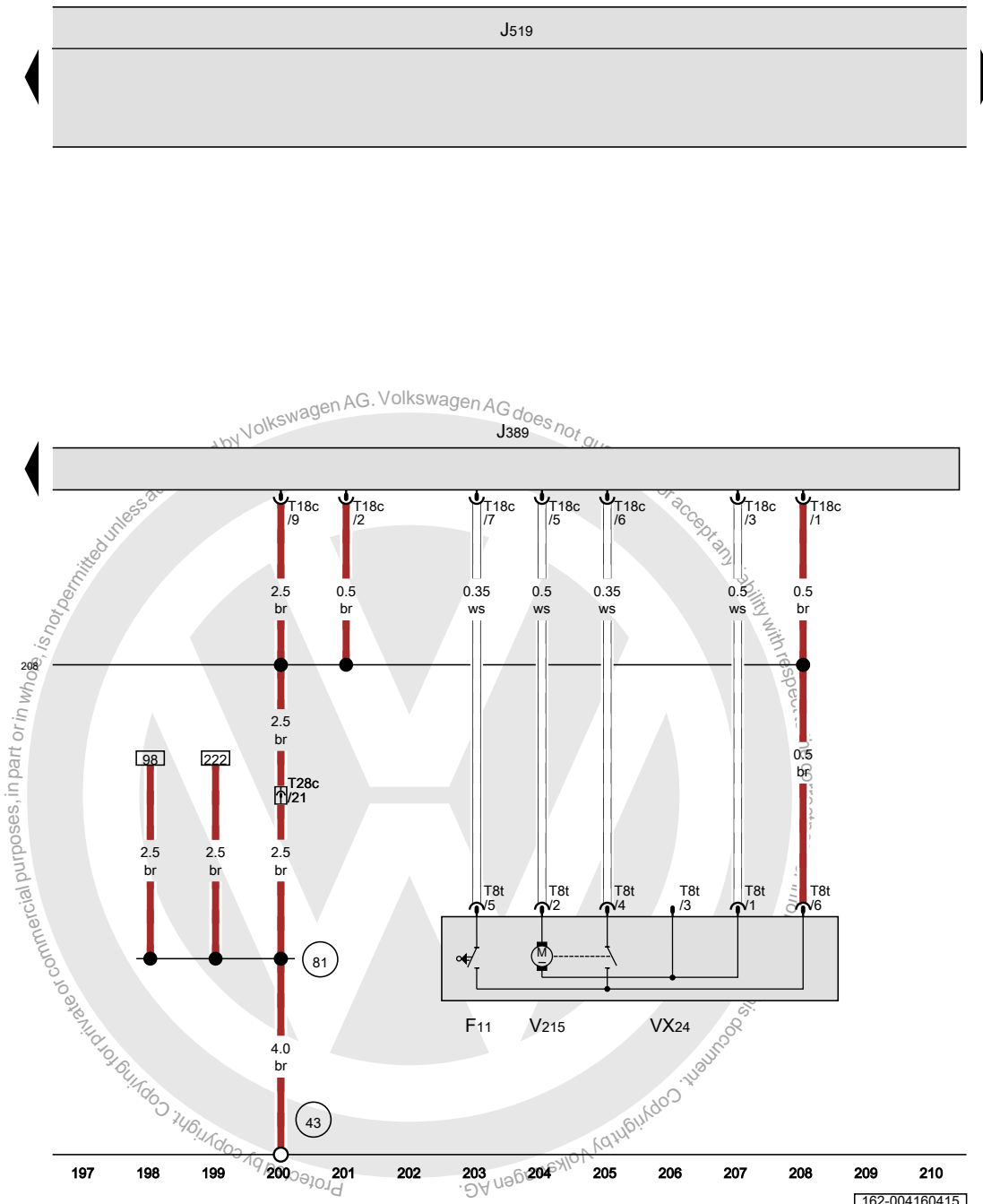


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear right door contact switch, Rear right door control unit, Onboard supply control unit, Rear right door lock unit, Rear right door central locking motor, lock

- F11 Rear right door contact switch
- J389 Rear right door control unit
- J519 Onboard supply control unit
- T8t 8-pin connector
- T18c 18-pin connector
- T28c 28-pin connector, on right B-pillar
- VX24 Rear right door lock unit
- V215 Rear right door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 208 Earth connection, in rear right door wiring harness



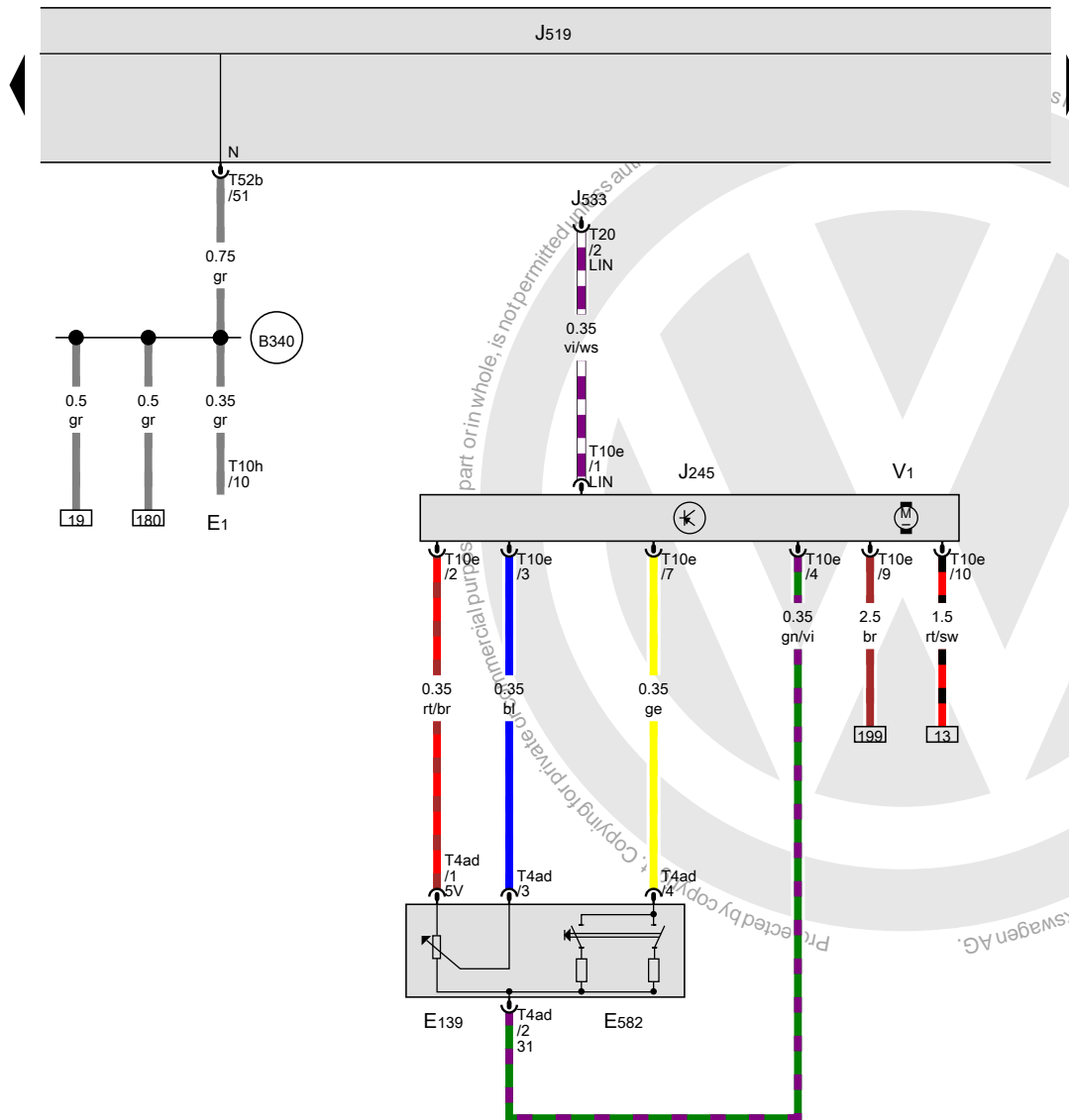
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162-004160415

Sliding sunroof adjustment regulator, Button 1 for tilting roof, Sliding sunroof adjustment control unit, Onboard supply control unit, Sliding sunroof motor

- E1 Light switch
- E139 Sliding sunroof adjustment regulator
- E582 Button 1 for tilting roof
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T4ad 4-pin connector
- T10e 10-pin connector
- T10h 10-pin connector
- T20 20-pin connector
- T52b 52-pin connector
- V1 Sliding sunroof motor

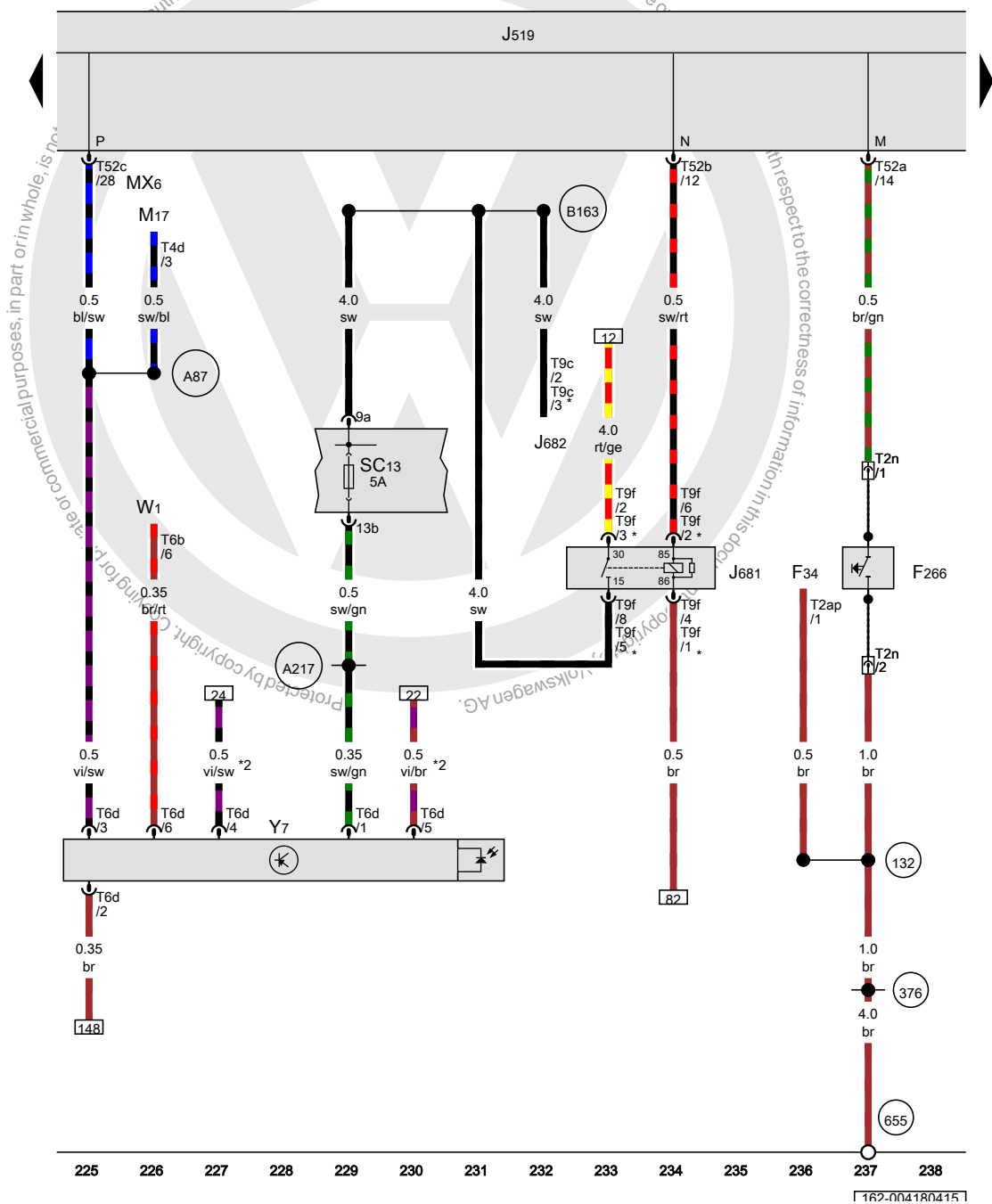
B340 Connection 1 (58d), in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- gr = grey
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- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

[162-004170415]



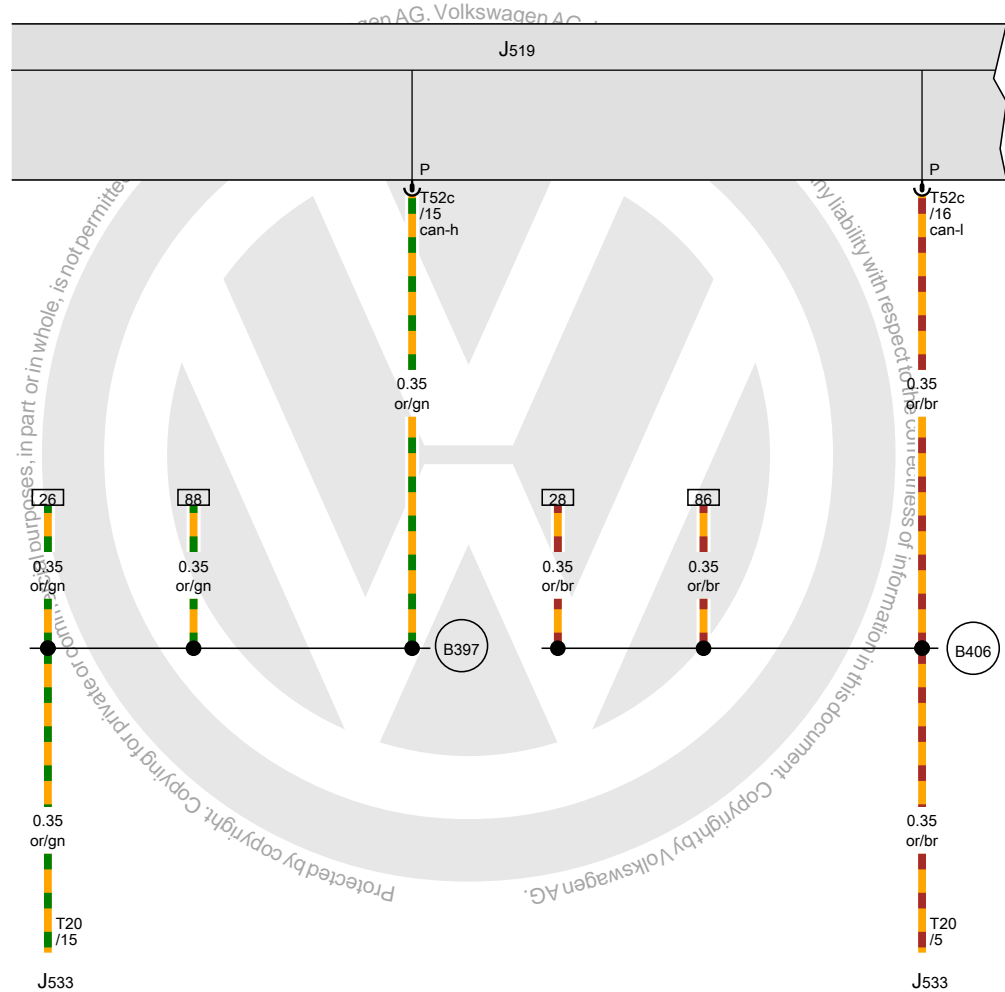
Bonnet contact switch, Onboard supply control unit, Terminal 15 voltage supply relay 2, Right reversing light bulb, Automatic anti-dazzle interior mirror

- F34 Brake fluid level warning contact
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- MX6 Right tail light 2
- M17 Right reversing light bulb
- SC13 Fuse 13 on fuse holder C
- T2ap 2-pin connector
- T2n 2-pin connector
- T4d 4-pin connector
- T6b 6-pin connector
- T6d 6-pin connector
- T9c 9-pin connector
- T9f 9-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light
- Y7 Automatic anti-dazzle interior mirror

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- A87 Connection (RL), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness

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- rs = pink

- * gradual introduction
- *2 Gradually discontinued



Onboard supply control unit

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector
- T52c 52-pin connector
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness

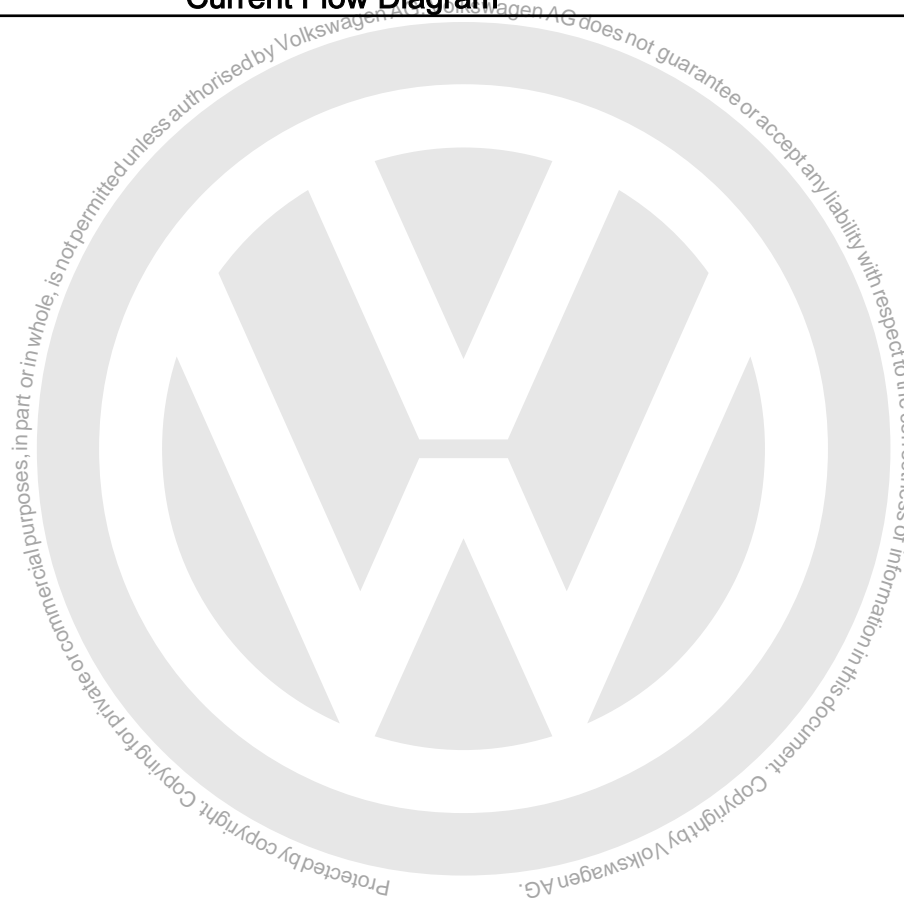
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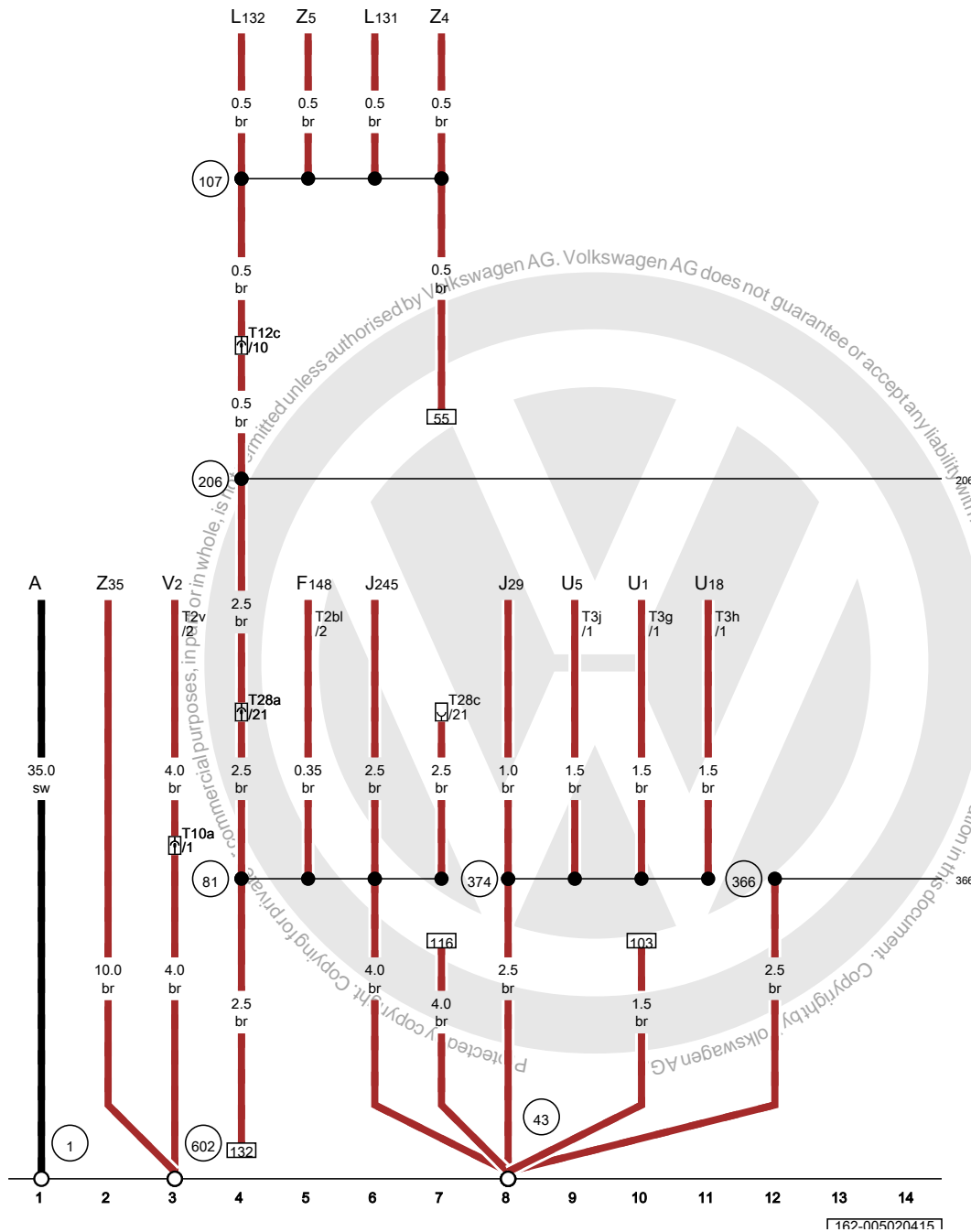
239 240 241 242 243 244 245 246 247 248 249 250 251 252

[162-004190415]

Earthing concept

From April 2010





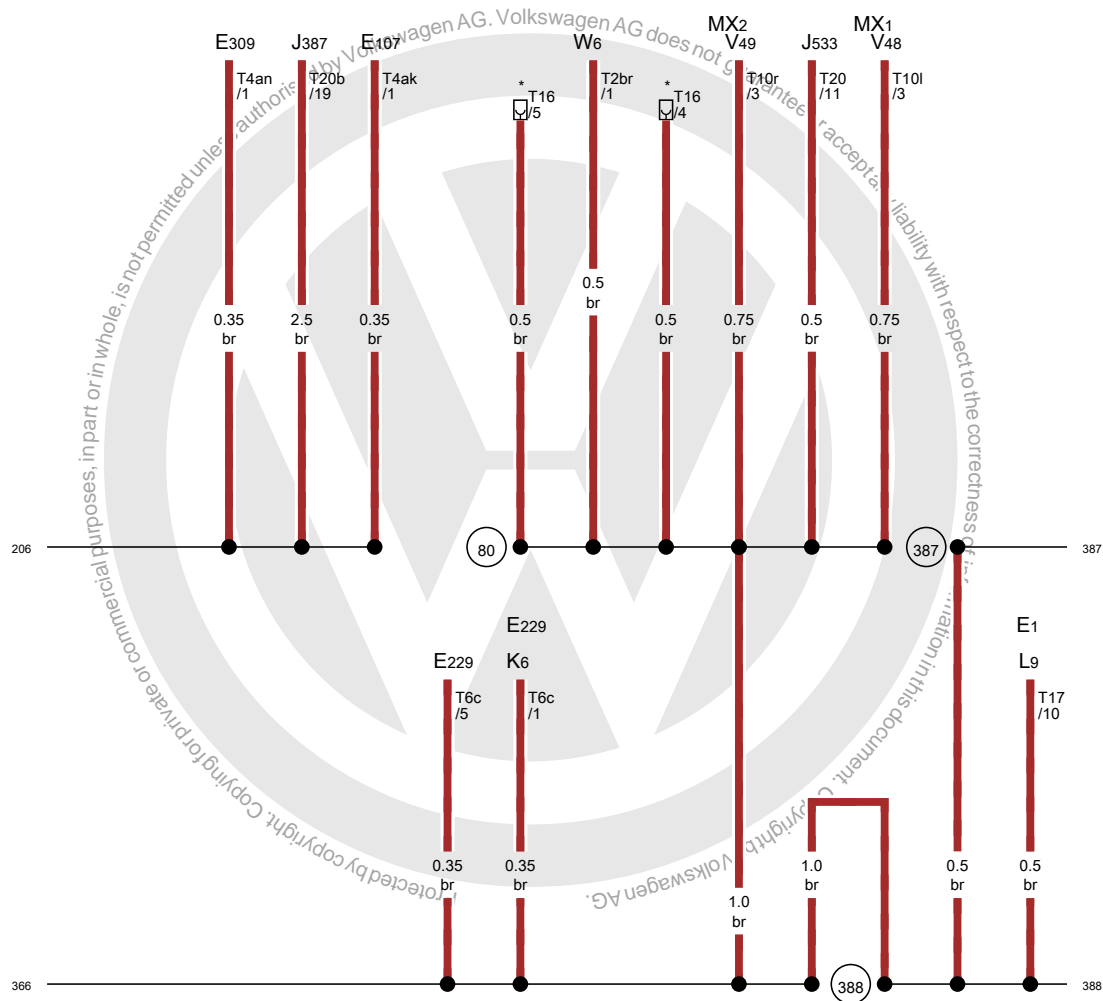
Earth strap, battery - body, Earth point, lower part of right A-pillar, Earth connection 1, in main wiring harness, Earth point, in front left footwell

- A Battery
- F148 Front passenger vanity mirror contact switch
- J29 Blocking diode
- J245 Sliding sunroof adjustment control unit
- L131 Driver side turn signal repeater bulb
- L132 Front passenger side turn signal repeater bulb
- T2bl 2-pin connector
- T2v 2-pin connector
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T10a 10-pin connector
- T12c 12-pin connector
- T28a 28-pin connector, behind lower section of left A-pillar trim
- T28c 28-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- V2 Fresh air blower
- Z4 Heated exterior mirror on driver side
- Z5 Heated exterior mirror on front passenger side
- Z35 Auxiliary air heater element

- 1 Earth strap, battery - body
- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 107 Earth connection, in external mirror wiring harness, in left door, near exterior mirror
- 206 Earth connection, in front passenger door wiring harness
- 366 Earth connection 1, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- 602 Earth point, in front left footwell

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- rs = pink

162-005020415



Earth connection 1, in main wiring harness, Earth connection 23, in main wiring harness

- E1 Light switch
- E107 Window regulator switch in front passenger door
- E229 Hazard warning lights button
- E309 Front passenger side interior locking button for central locking system
- J387 Front passenger door control unit
- J533 Data bus diagnostic interface
- K6 Indicator lamp for hazard warning light
- L9 Light switch illumination bulb
- MX1 Front left headlight
- MX2 Front right headlight
- T2br 2-pin connector
- T4ak 4-pin connector
- T4an 4-pin connector
- T6c 6-pin connector
- T10l 10-pin connector
- T10r 10-pin connector
- T16 16-pin connector
- T17 17-pin connector
- T20 20-pin connector
- T20b 20-pin connector
- V48 Left headlight range control motor
- V49 Right headlight range control motor
- W6 Glove compartment light

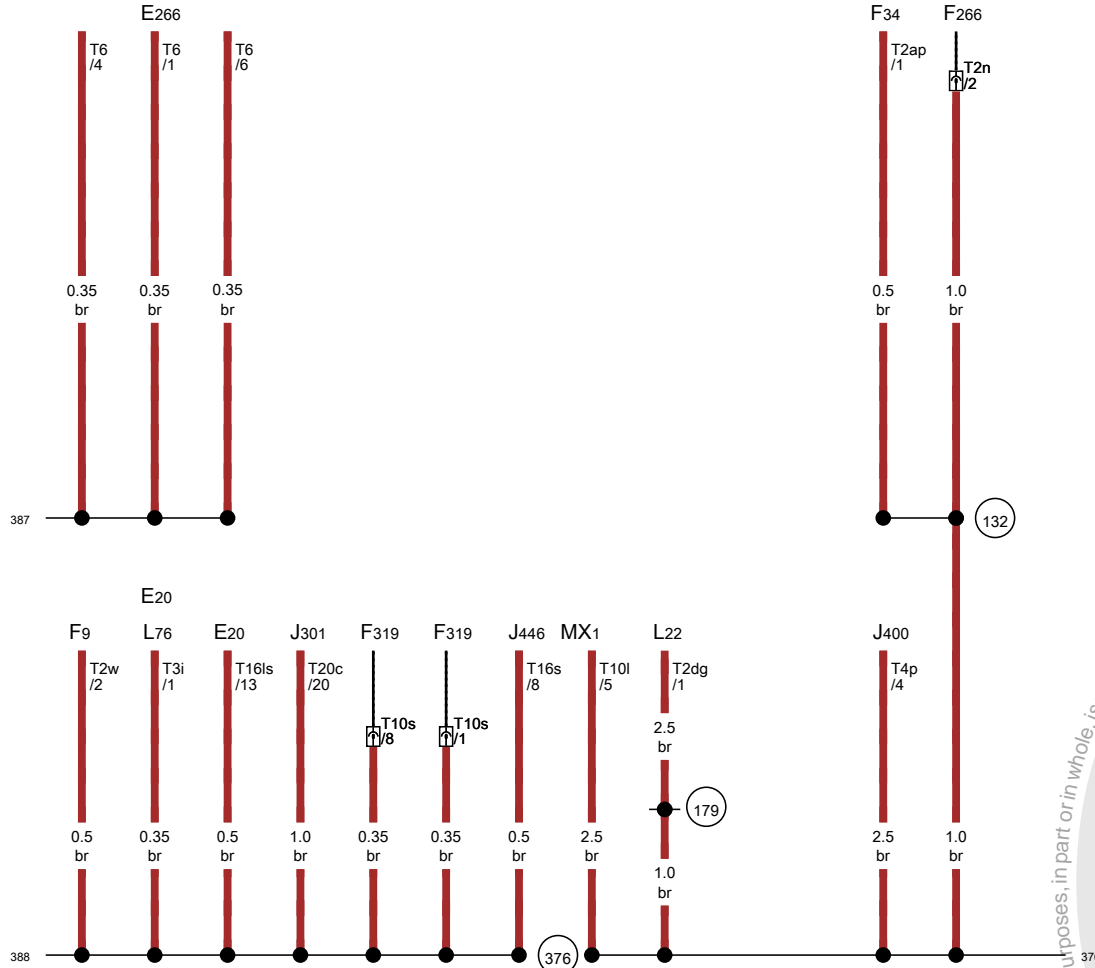
- 80 Earth connection 1, in dash panel wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 366 Earth connection 1, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness

* Diagnostic connection

- ws = white
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- vi = purple
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- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-005030415



Earth connection 23, in main wiring harness

- E20 Switch and instrument illumination regulator
- E266 Parking aid button
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- F266 Bonnet contact switch
- F319 Selector lever locked in position P switch
- J301 Air conditioning system control unit
- J400 Wiper motor control unit
- J446 Parking aid control unit
- L22 Left fog light bulb
- L76 Button illumination bulb
- MX1 Front left headlight
- T2ap 2-pin connector
- T2dg 2-pin connector
- T2n 2-pin connector
- T2w 2-pin connector
- T3i 3-pin connector
- T4p 4-pin connector
- T6 6-pin connector
- T10l 10-pin connector
- T10s 10-pin connector
- T16ls 16-pin connector
- T16s 16-pin connector
- T20c 20-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness

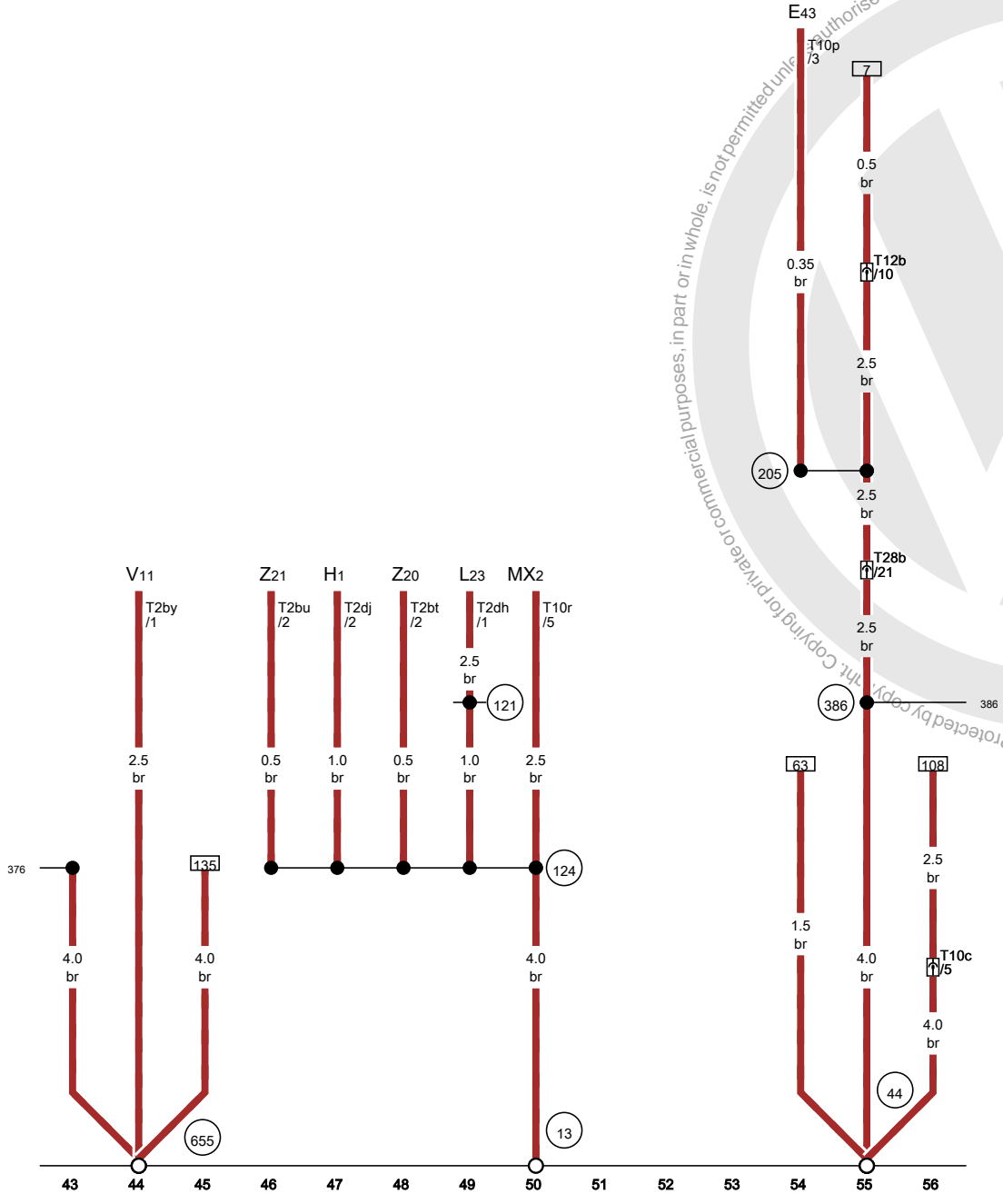
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- vi = purple
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Earth point, on right in engine compartment, Earth point, lower part of left A-pillar, Earth point, on left headlight

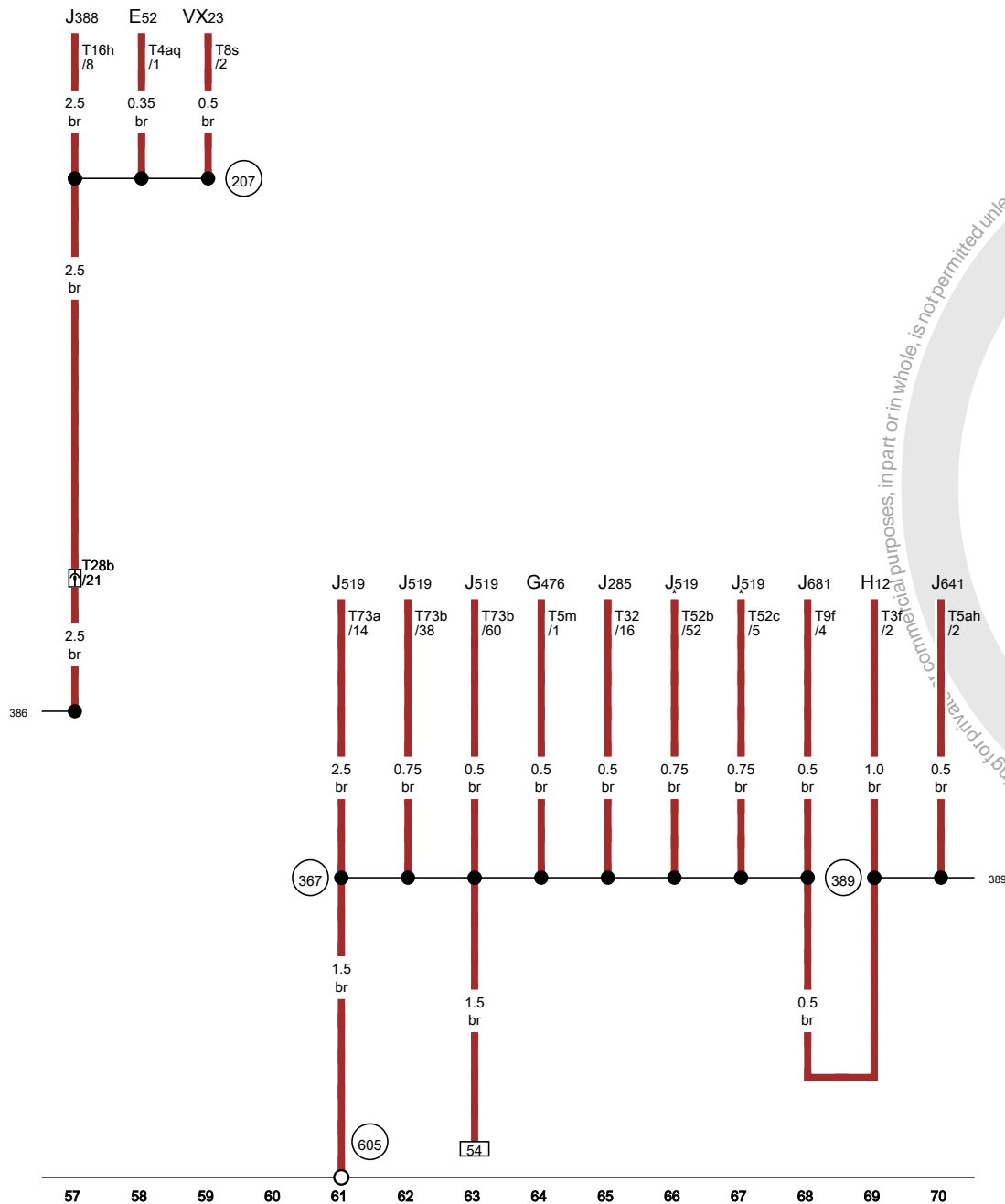
- E43 Mirror adjustment switch
- H1 Horn or dual tone horn
- L23 Right fog light bulb
- MX2 Front right headlight
- T2bt 2-pin connector
- T2bu 2-pin connector
- T2by 2-pin connector
- T2dh 2-pin connector
- T2dj 2-pin connector
- T10c 10-pin connector
- T10p 10-pin connector
- T10r 10-pin connector
- T12b 12-pin connector
- T28b 28-pin connector, on right B-pillar
- V11 Headlight washer system pump
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 13 Earth point, on right in engine compartment
- 44 Earth point, lower part of left A-pillar
- 121 Earth connection 2, in front right wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 205 Earth connection, in driver door wiring harness
- 376 Earth connection 11, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 655 Earth point, on left headlight

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- rs = pink



162-005050415



Earth connection 2, in main wiring harness, Earth connection 24, in main wiring harness, Earth point, on top end of steering column

- E52 Rear left window regulator switch, in door
- G476 Clutch position sender
- H12 Alarm horn
- J285 Control unit in dash panel insert
- J388 Rear left door control unit
- J519 Onboard supply control unit
- J641 Alarm horn relay
- J681 Terminal 15 voltage supply relay 2
- T3f 3-pin connector
- T4aq 4-pin connector
- T5ah 5-pin connector
- T5m 5-pin connector
- T8s 8-pin connector
- T9f 9-pin connector
- T16h 16-pin connector
- T28b 28-pin connector, on right B-pillar
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- VX23 Rear left door lock unit
- 207 Earth connection, in rear left door wiring harness
- 367 Earth connection 2, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column

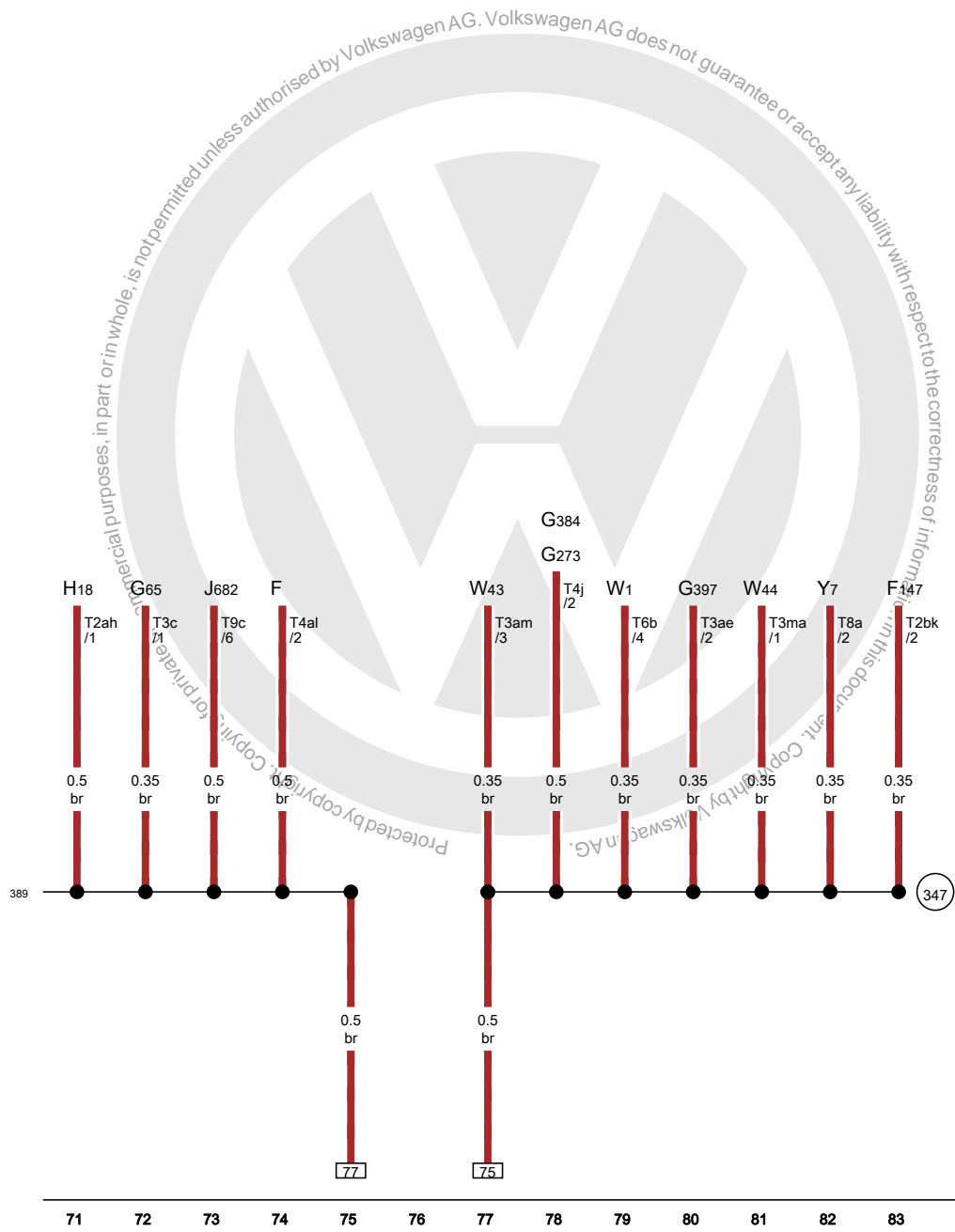
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

- * Only models with "High" equipment (AW1)
- *2 Only models with dual tone horn

162-005060415

Earth connection, in roof wiring harness, Earth connection 24, in main wiring harness

- F Brake light switch
- F147 Driver vanity mirror contact switch
- G65 High-pressure sender
- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- G397 Rain and light sensor
- H18 Alarm system horn
- J682 Terminal 50 voltage supply relay
- T2ah 2-pin connector
- T2bk 2-pin connector
- T3ae 3-pin connector
- T3am 3-pin connector
- T3c 3-pin connector
- T3ma 3-pin connector
- T4al 4-pin connector
- T4j 4-pin connector
- T6b 6-pin connector
- T8a 8-pin connector
- T9c 9-pin connector
- W1 Front interior light
- W43 Rear interior light
- W44 Rear centre reading light
- Y7 Automatic anti-dazzle interior mirror

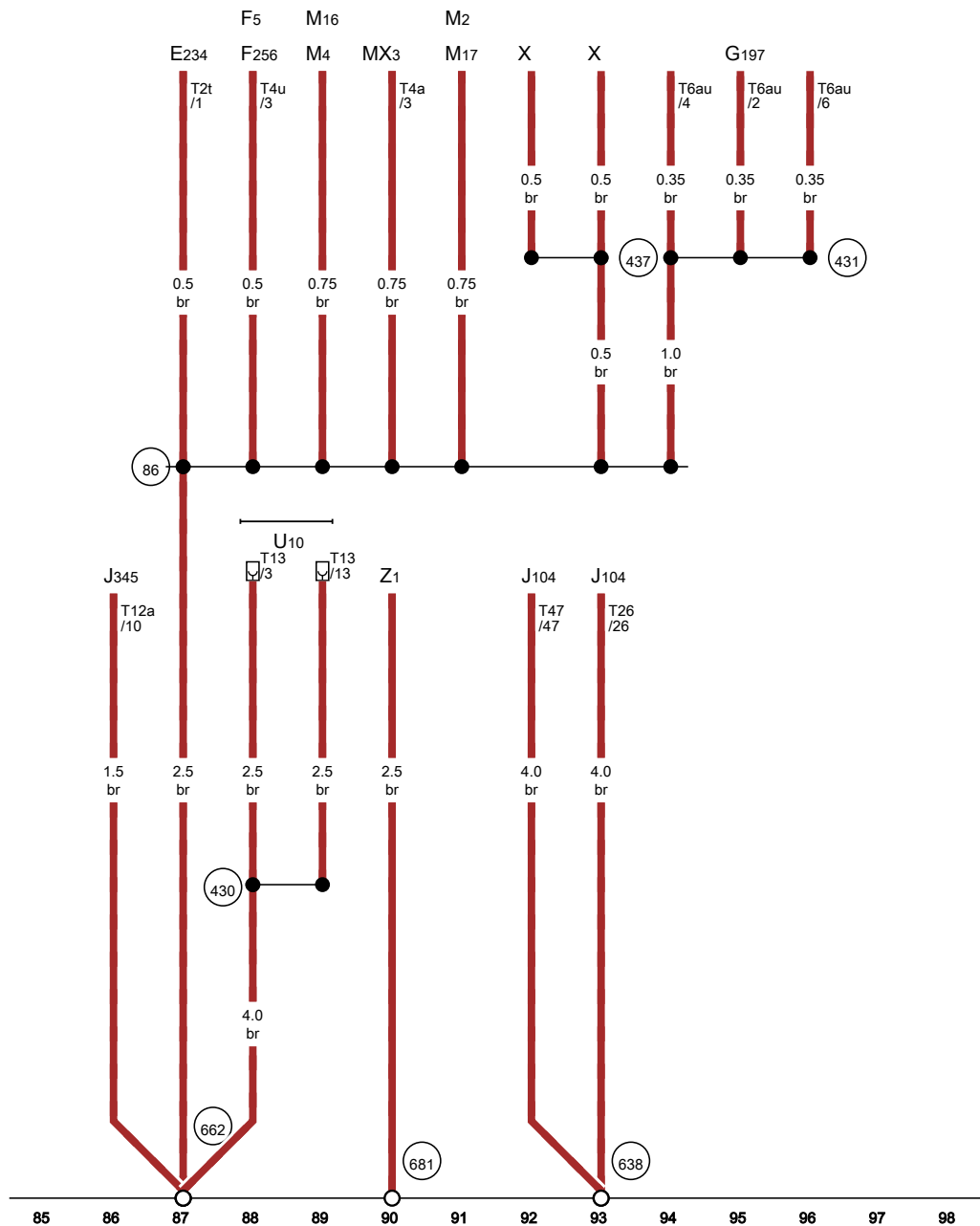


- 347 Earth connection, in roof wiring harness
- 389 Earth connection 24, in main wiring harness
- * Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
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- or = orange
- rs = pink

162-005070415

Earth point, on right A-pillar, Earth point, rear left side panel,
Earth point 1, in rear right side panel



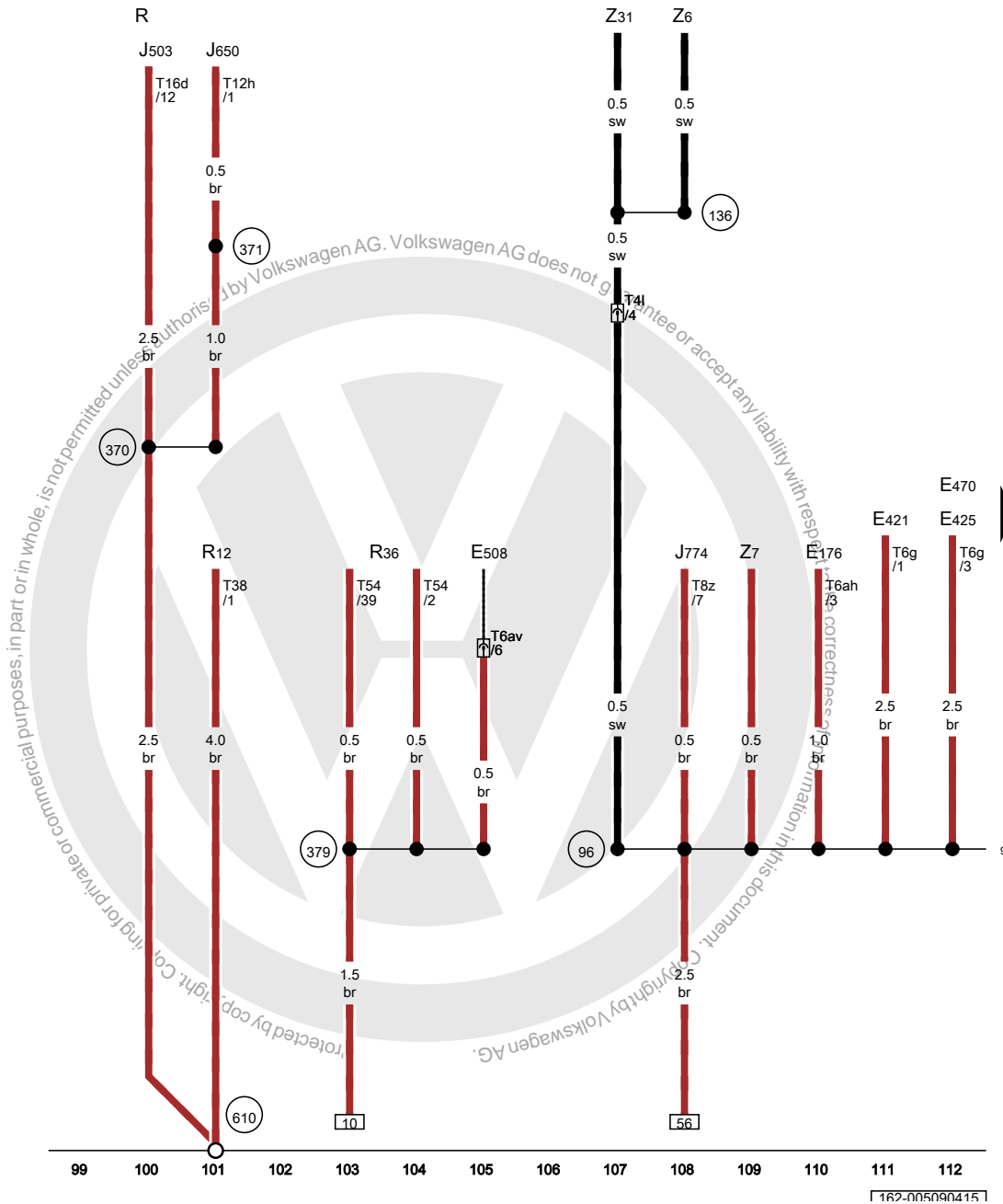
- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- G197 Magnetic field sender for compass
- J104 ABS control unit
- J345 Trailer detector control unit
- M2 Right tail light bulb
- MX3 Left tail light bulb
- M4 Left tail light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T2t 2-pin connector
- T4a 4-pin connector
- T4u 4-pin connector
- T6au 6-pin connector
- T12a 12-pin connector
- T13 13-pin connector
- T26 26-pin connector
- T47 47-pin connector
- U10 Trailer socket
- X Number plate light
- Z1 Heated rear window

- 86 Earth connection 1, in rear wiring harness
- 430 Earth connection, in towing bracket wiring harness
- 431 Earth connection 2, in roof wiring harness
- 437 Earth connection, in number plate wiring harness
- 638 Earth point, on right A-pillar
- 662 Earth point, rear left side panel
- 681 Earth point 1, in rear right side panel

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- gr = grey
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- ge = yellow
- or = orange
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162-005080415

Earth connection 1, in seat heating wiring harness, Earth connection 14, in main wiring harness, Earth point (audio), front below centre console



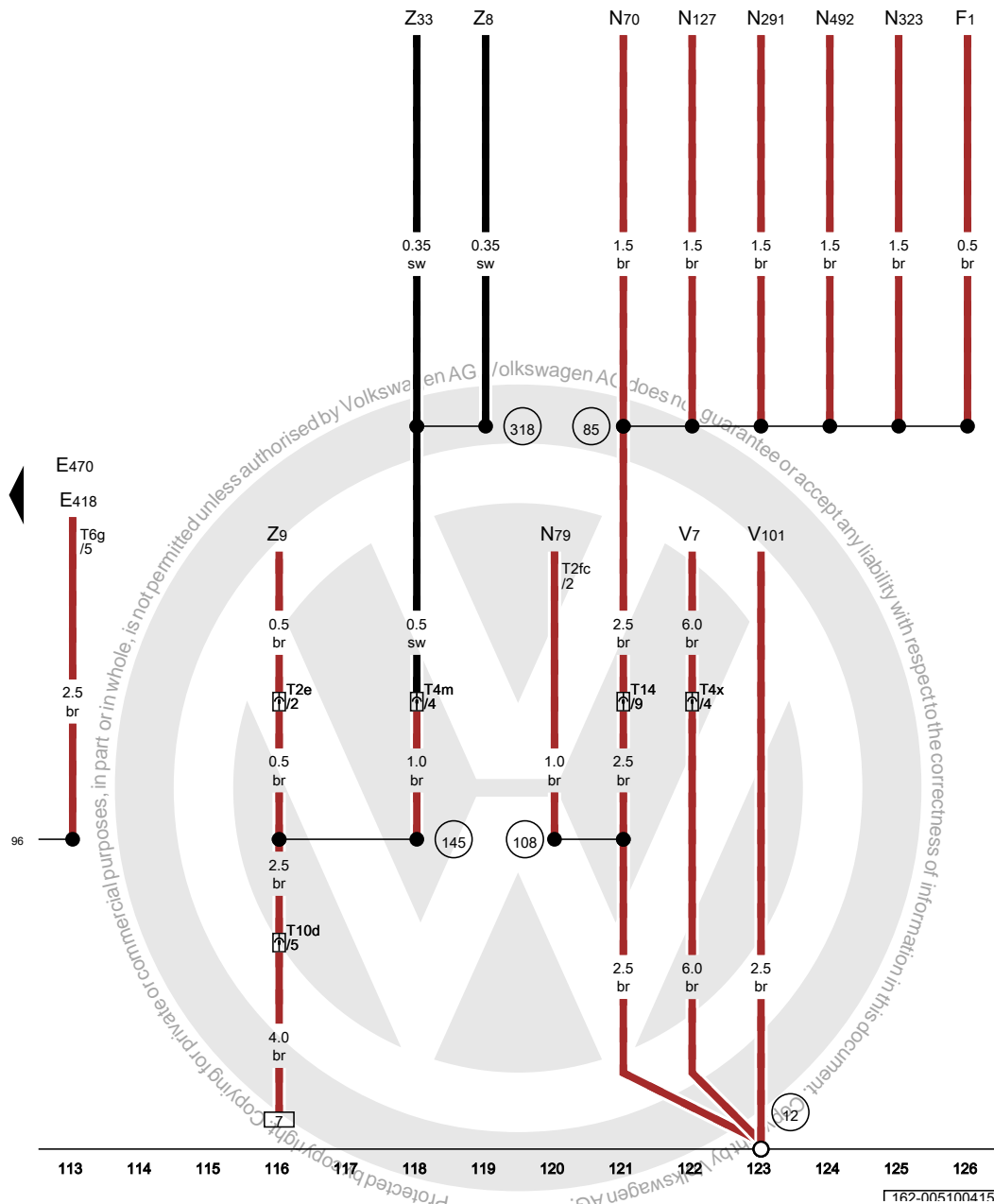
- E176 Driver seat lumbar support adjustment switch
- E421 Rake adjustment button
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- E508 Operating unit for preparation for mobile telephone
- J503 Control unit with display for radio and navigation
- J650 Multimedia system control unit
- J774 Heated front seats control unit
- R Radio
- R12 Amplifier
- R36 Telephone transmitter and receiver unit
- T4I 4-pin connector
- T6ah 6-pin connector
- T6av 6-pin connector
- T6g 6-pin connector
- T8z 8-pin connector
- T12h 12-pin connector
- T16d 16-pin connector
- T38 38-pin connector
- T54 54-pin connector
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- Z31 Driver seat cushion lateral support heater

- 96 Earth connection 1, in seat heating wiring harness
- 136 Earth connection 2, in seat heating wiring harness
- 370 Earth connection 5, in main wiring harness
- 371 Earth connection 6, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 610 Earth point (audio), front below centre console

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
- li = purple
- vi = purple
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162-005090415

Earth point, on left in engine compartment, Earth connection 1, in seat heating wiring harness, Earth connection 3, in seat heating wiring harness, Earth connection 4, in seat heating wiring harness



- E418 Seat longitudinal adjustment button
- E470 Driver seat adjustment operating unit
- F1 Oil pressure switch
- N70 Ignition coil 1 with output stage
- N79 Heater element for crankcase breather
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N323 Ignition coil 5 with output stage
- N492 Solenoid for coolant circuit
- T2e 2-pin connector
- T2fc 2-pin connector
- T4m 4-pin connector
- T4x 4-pin connector
- T6g 6-pin connector
- T10d 10-pin connector
- T14 14-pin connector
- V7 Radiator fan
- V101 Secondary air pump motor
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- Z33 Front passenger seat lateral support heater

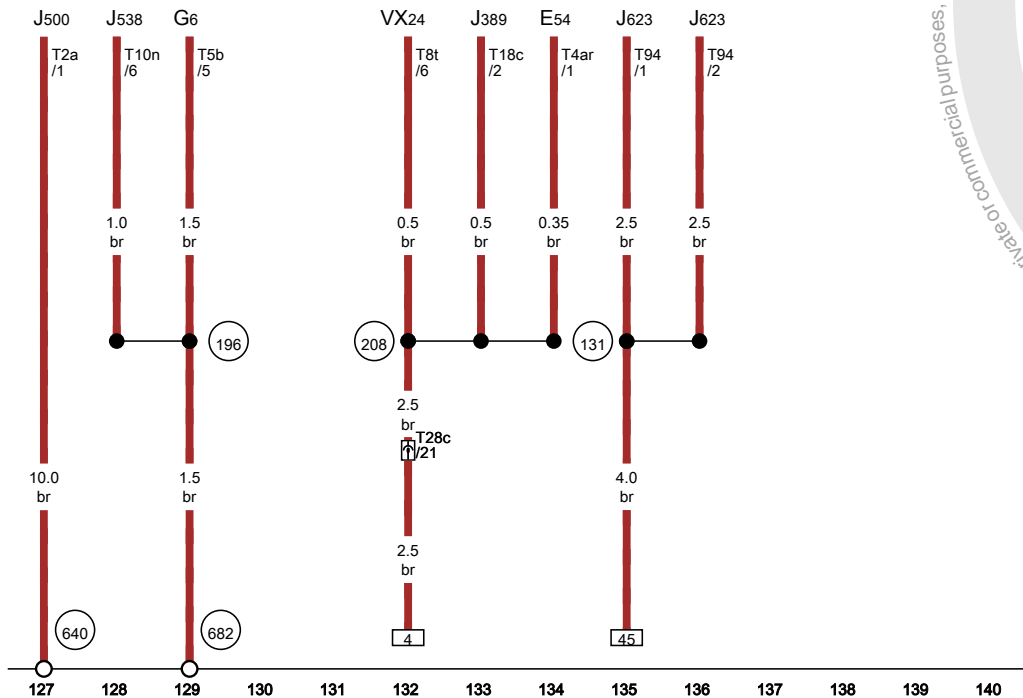
- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- 96 Earth connection 1, in seat heating wiring harness
- 108 Earth connection 2, in front left wiring harness
- 145 Earth connection 3, in seat heating wiring harness
- 318 Earth connection 4, in seat heating wiring harness

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Earth connection 2, in engine compartment wiring harness,
 Earth connection, in rear right door wiring harness, Earth
 point 2, left in engine compartment, Earth point 2, in rear
 right side panel

- E54 Rear right window regulator switch, in door
- G6 Fuel system pressurisation pump
- J389 Rear right door control unit
- J500 Power steering control unit
- J538 Fuel pump control unit
- J623 Engine control unit
- T2a 2-pin connector
- T4ar 4-pin connector
- T5b 5-pin connector
- T8t 8-pin connector
- T10n 10-pin connector
- T18c 18-pin connector
- T28c 28-pin connector
- T94 94-pin connector
- VX24 Rear right door lock unit

- 131 Earth connection 2, in engine compartment wiring harness
- 196 Earth connection 3, in rear wiring harness
- 208 Earth connection, in rear right door wiring harness
- 640 Earth point 2, left in engine compartment
- 682 Earth point 2, in rear right side panel



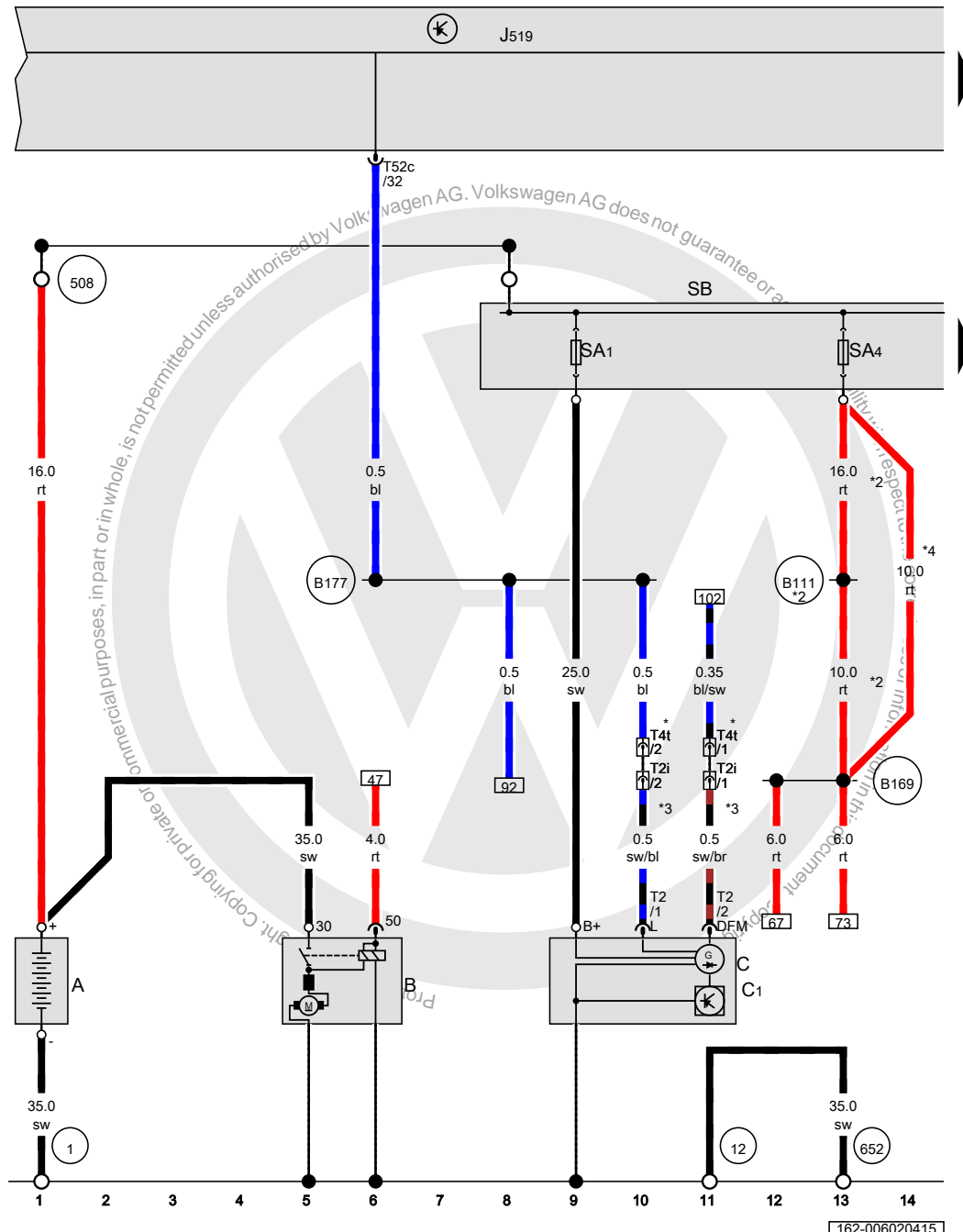
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162-005110415

1.6l diesel engine , CAYC

From October 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

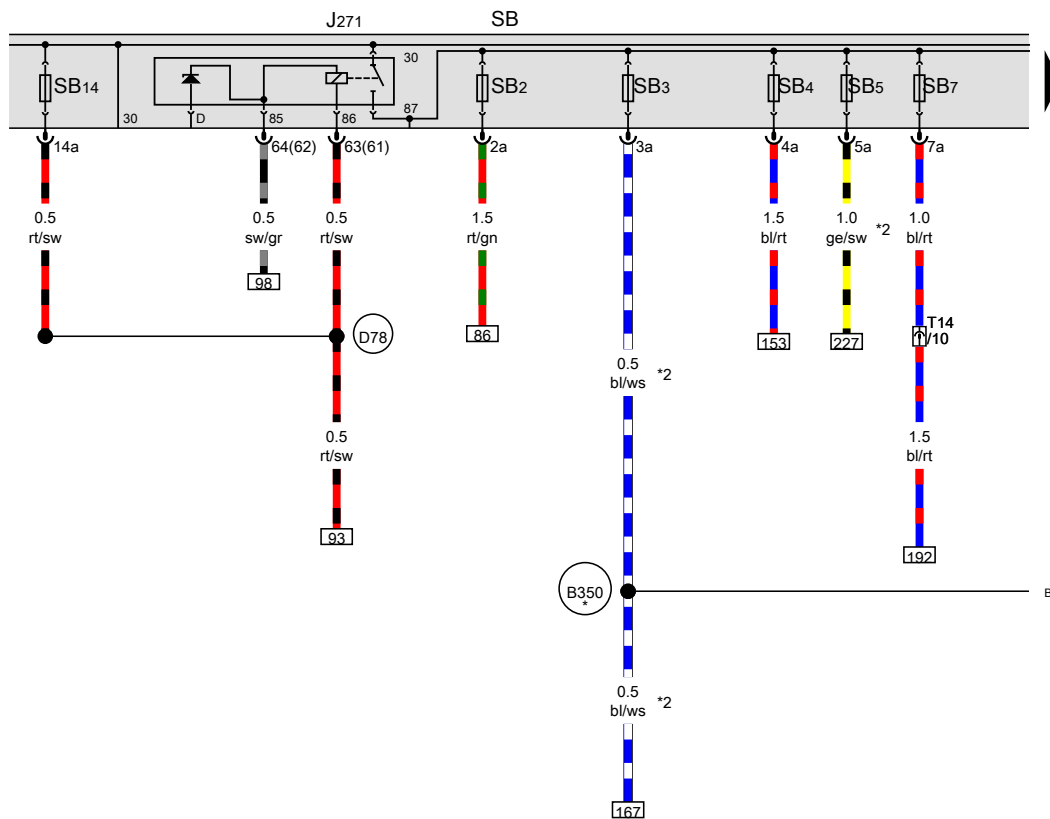
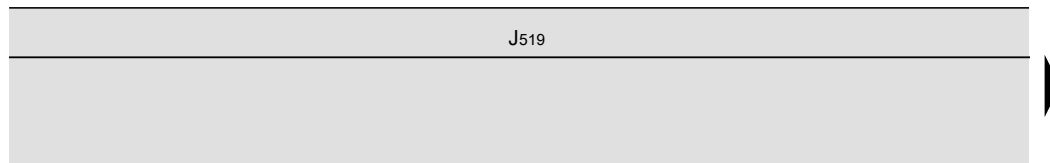
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 gradual introduction

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162-006020415



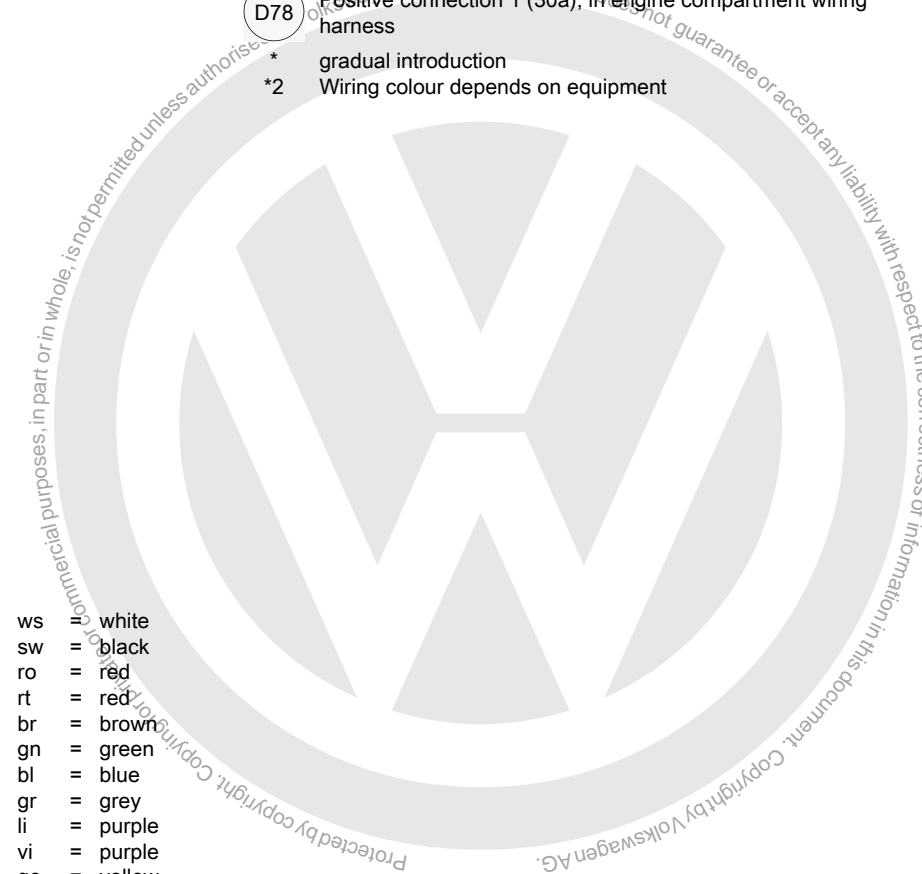
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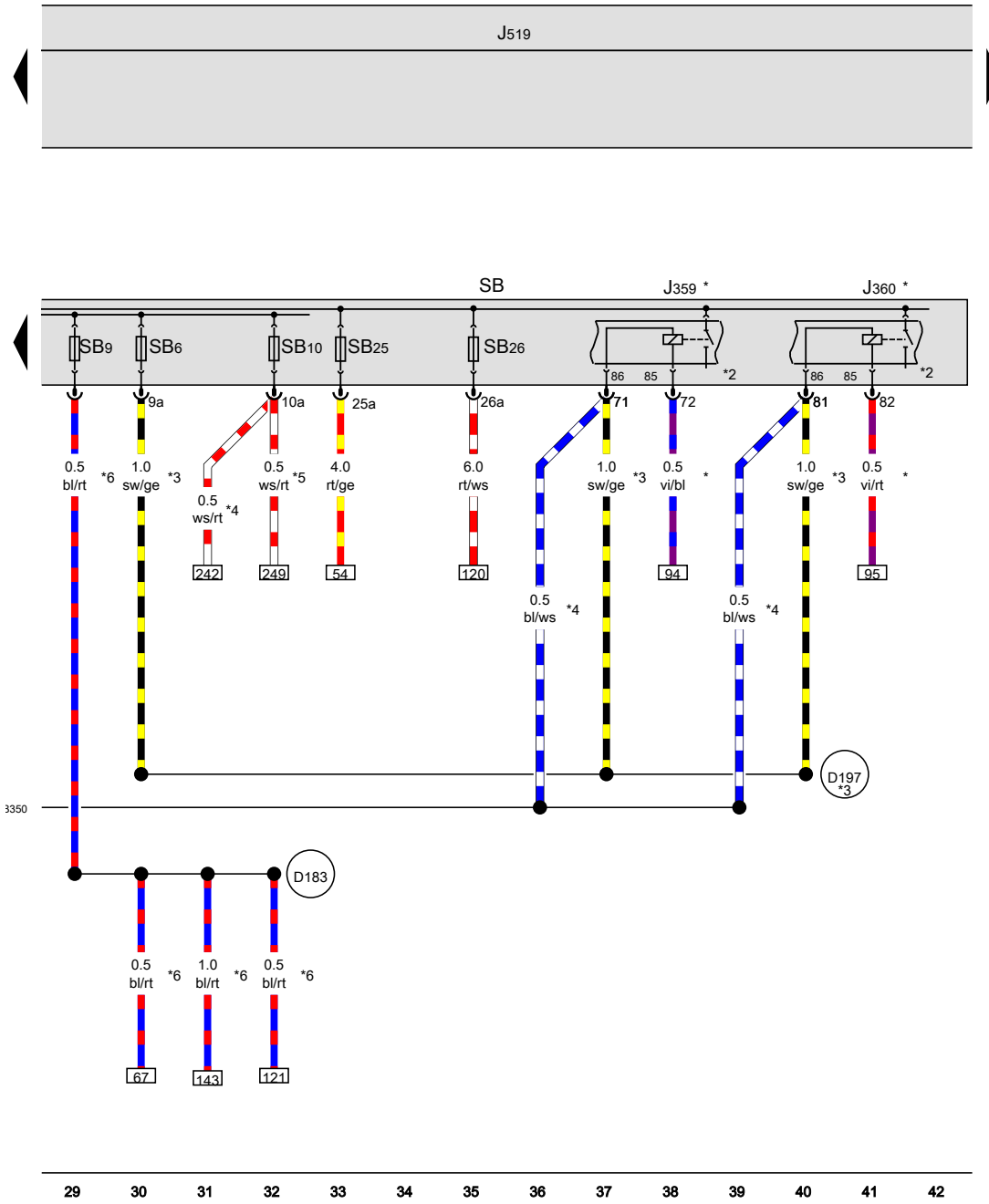
Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector, near battery

- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * gradual introduction
- *2 Wiring colour depends on equipment

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Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B

- (B350) Positive connection 1 (87a) in main wiring harness
- (D183) Connection 4 (87a) in engine compartment wiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness

- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Gradually discontinued
- *4 gradual introduction
- *5 Only models with manual gearbox
- *6 Wiring colour depends on equipment

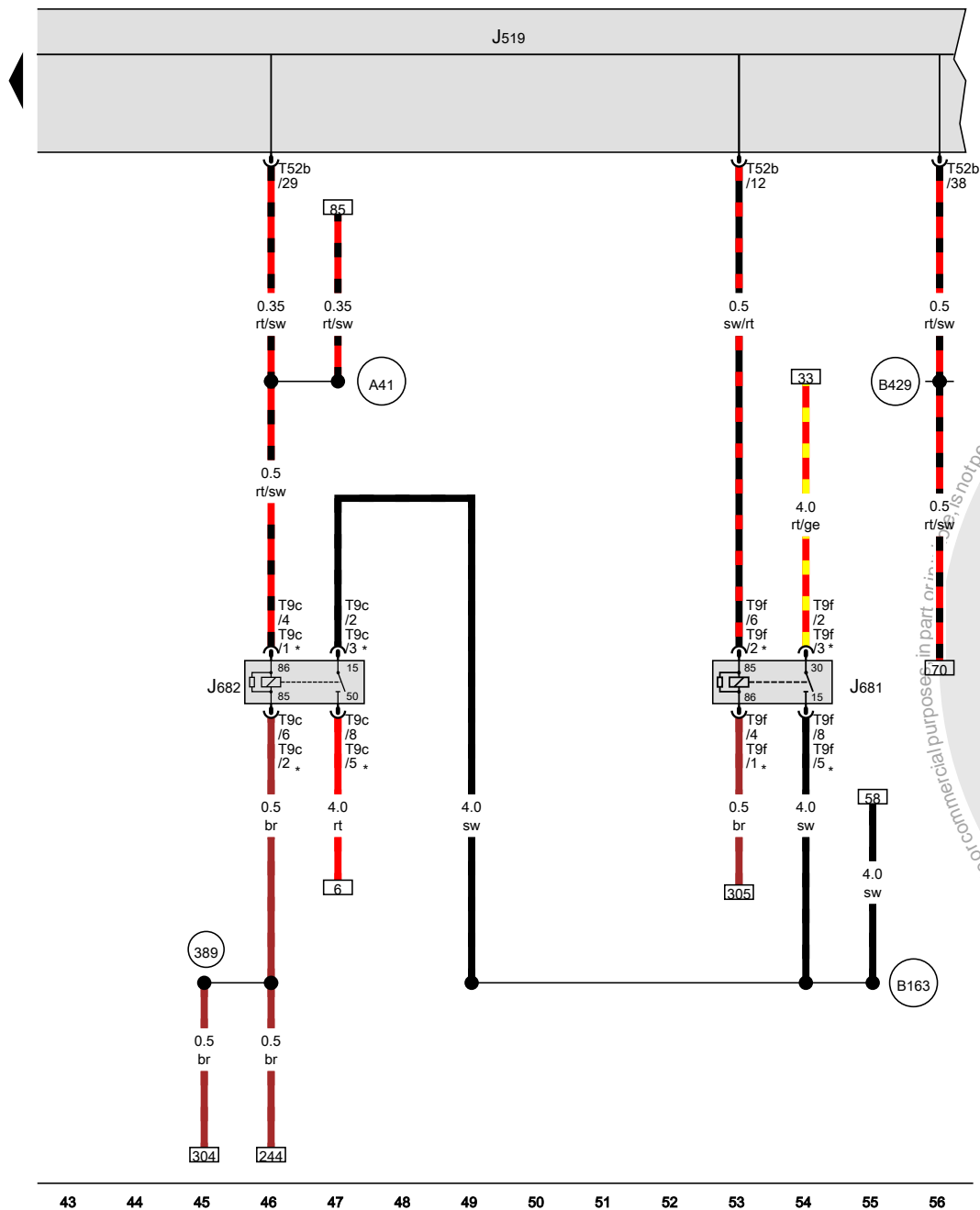
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Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B429 Connection (EFPR), in main wiring harness
- * gradual introduction



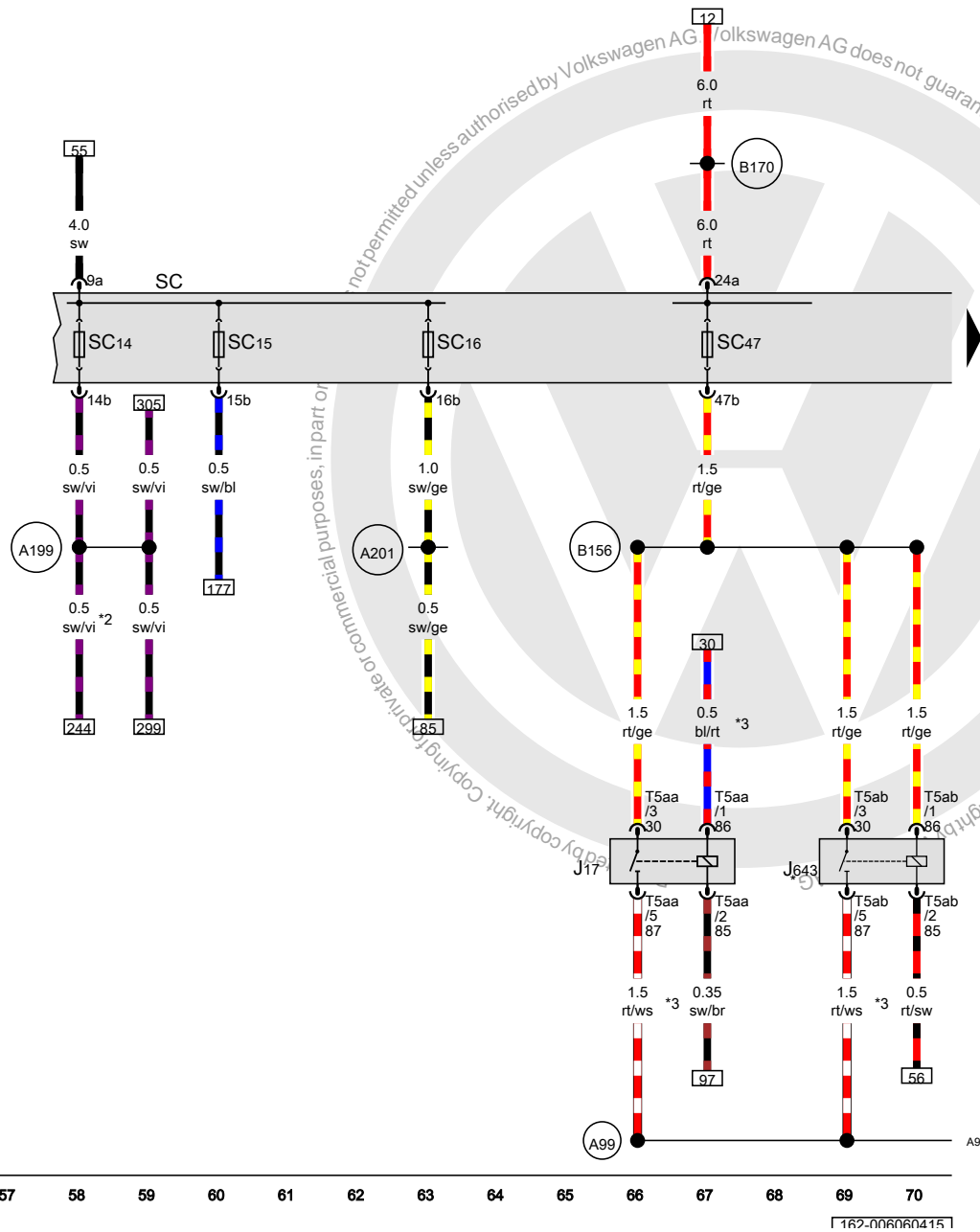
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-006050415

Fuel pump relay, Fuel supply relay, Fuse holder C

- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector

- A99 Connection 1 (87) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with auxiliary coolant heater
- *2 Gradually discontinued
- *3 Wiring colour depends on equipment

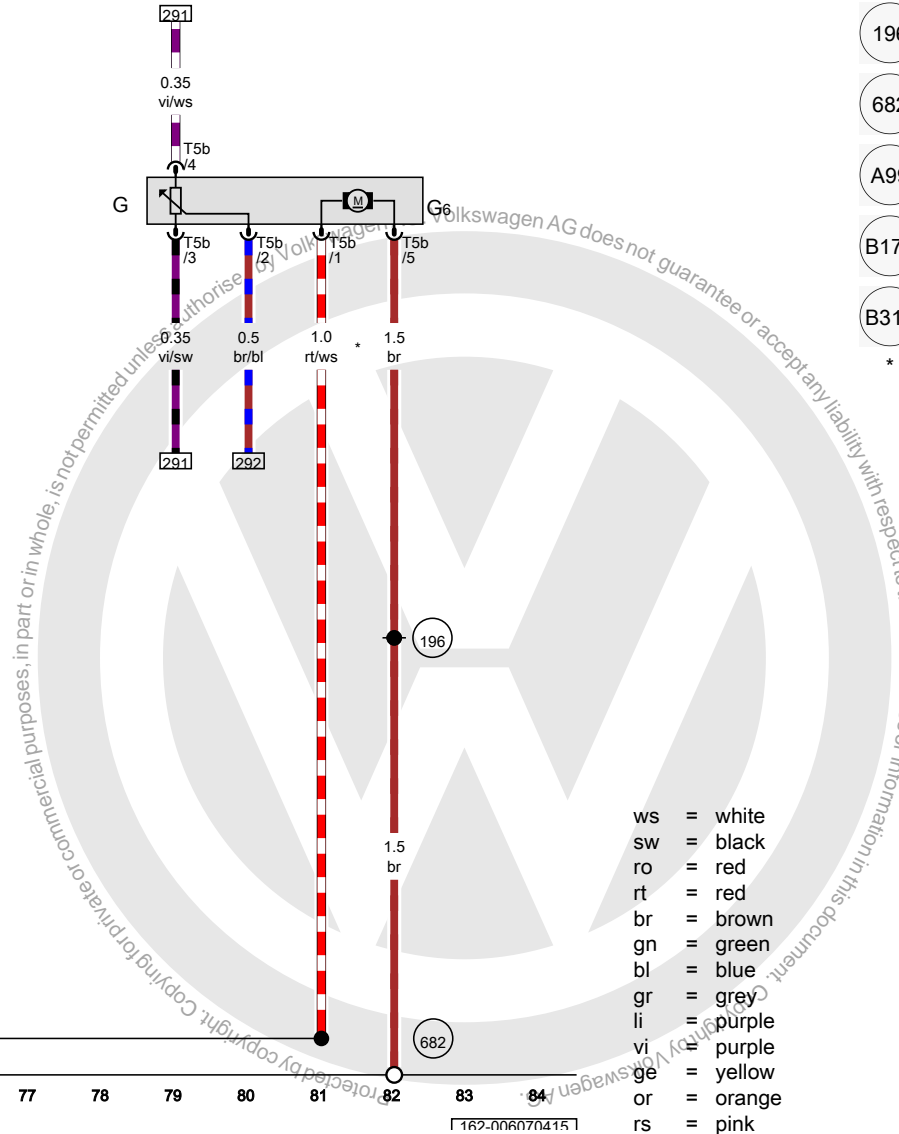
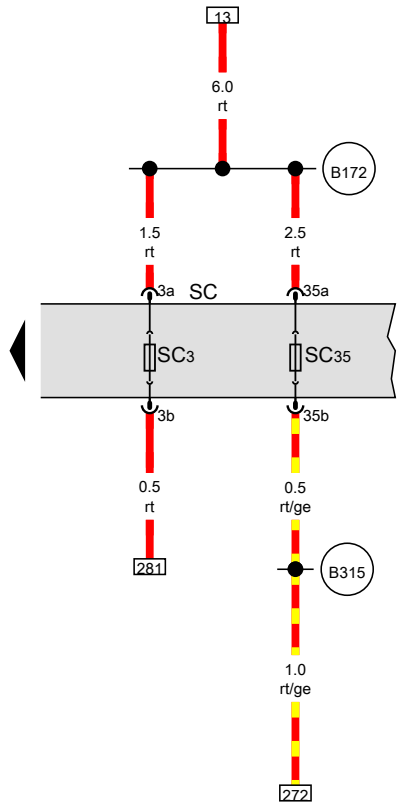


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * Wiring colour depends on equipment



- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

A99

71 72 73 74 75 76 77 78 79 80 81 82 83 84

162-006070415

Heater control unit, Engine control unit

- J162 Heater control unit
- J623 Engine control unit
- T20c 20-pin connector
- T94 94-pin connector

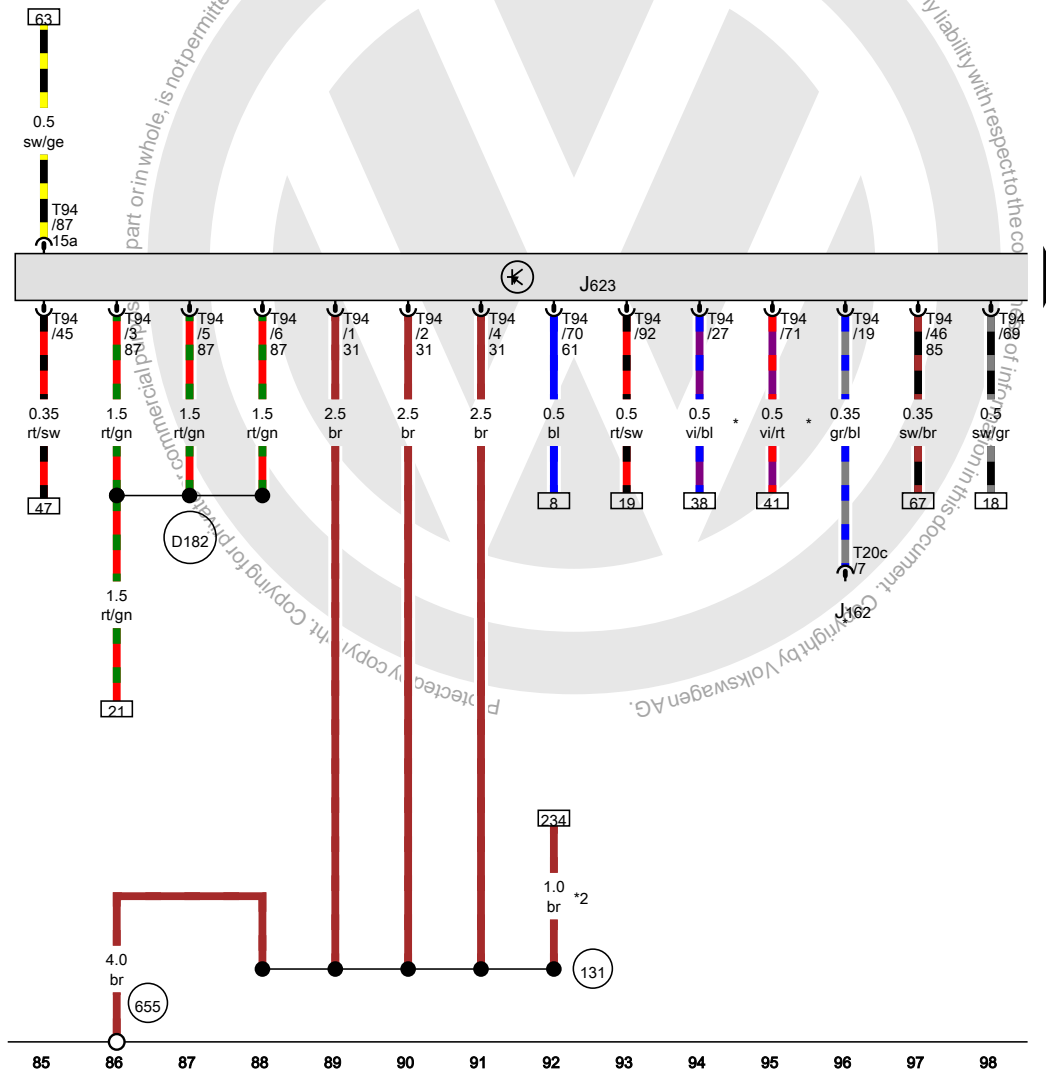
131 Earth connection 2, in engine compartment wiring harness

655 Earth point, on left headlight

D182 Connection 3 (87a) in engine compartment wiring harness

* Only models with auxiliary air heating

*2 Only models with crankcase breather heater element



162-006080415

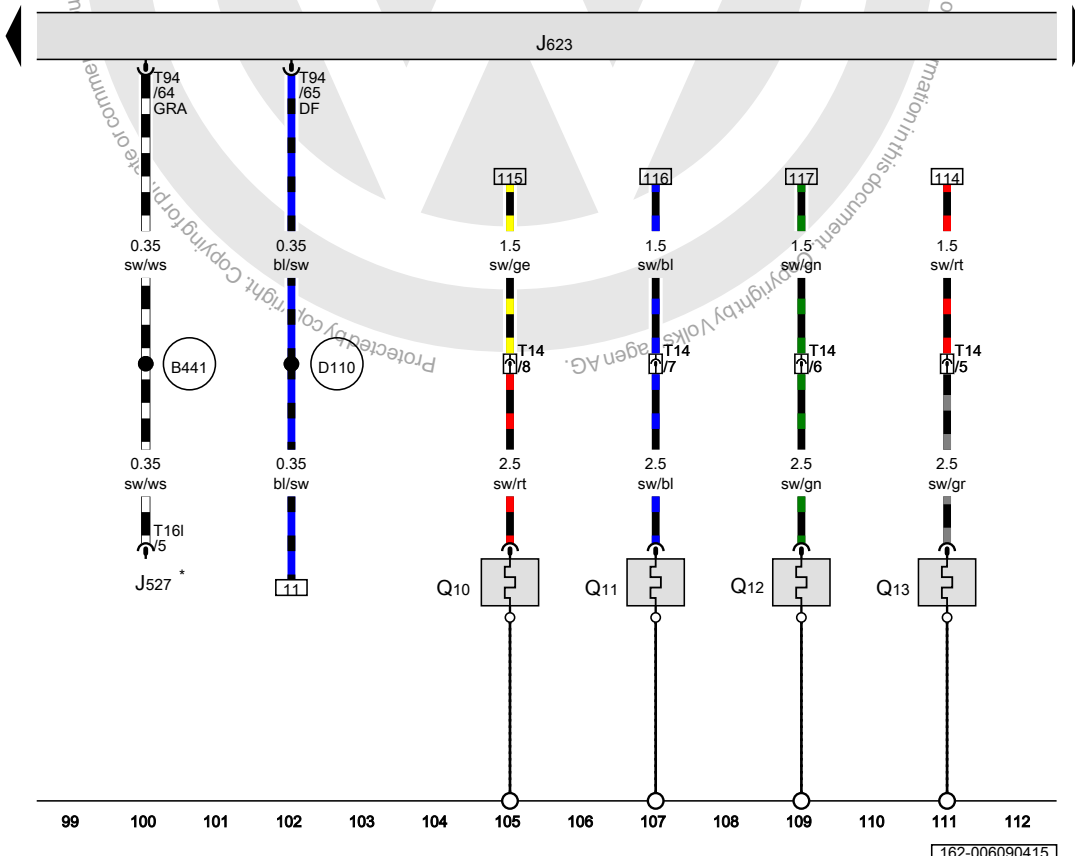
Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J527 Steering column electronics control unit
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T14 14-pin connector, near battery
- T16l 16-pin connector
- T94 94-pin connector

B441 Connection (CCS), in main wiring harness

D110 Connection 8 in engine compartment wiring harness

* Only models with cruise control system (CCS)

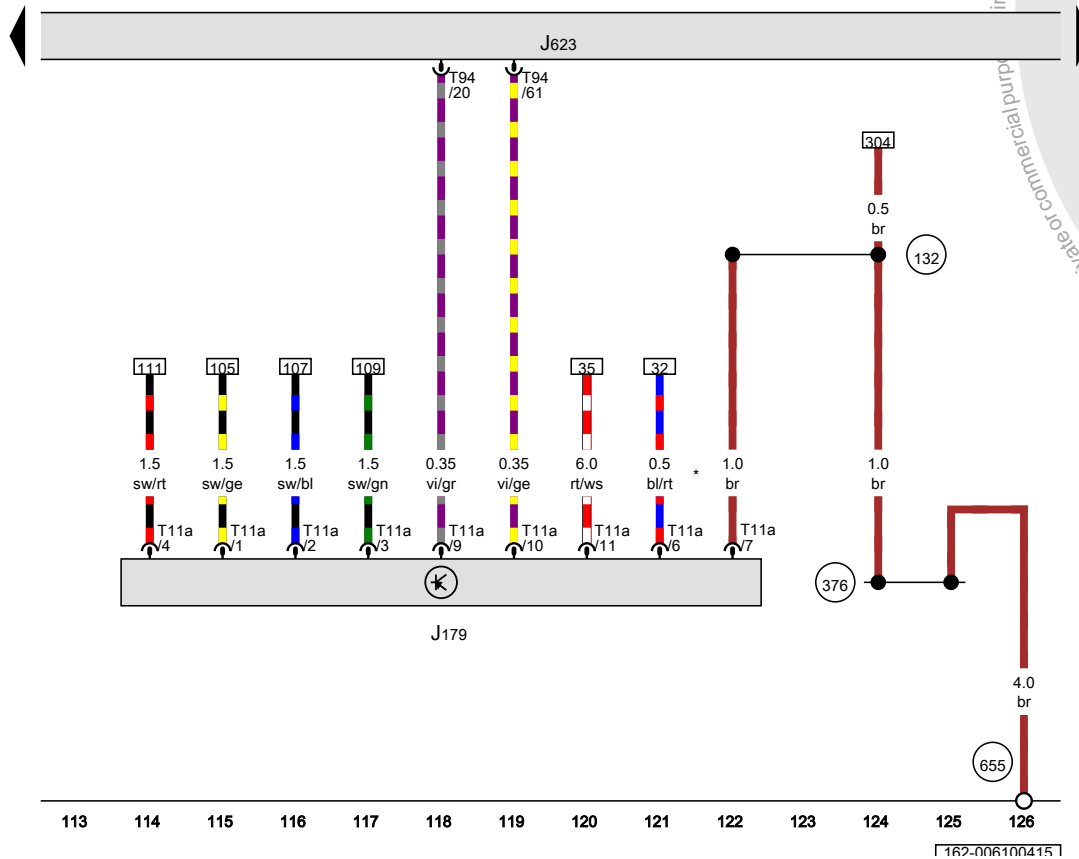


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Automatic glow period control unit, Engine control unit

- J179 Automatic glow period control unit
- J623 Engine control unit
- T11a 11-pin connector
- T94 94-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- * Wiring colour depends on equipment

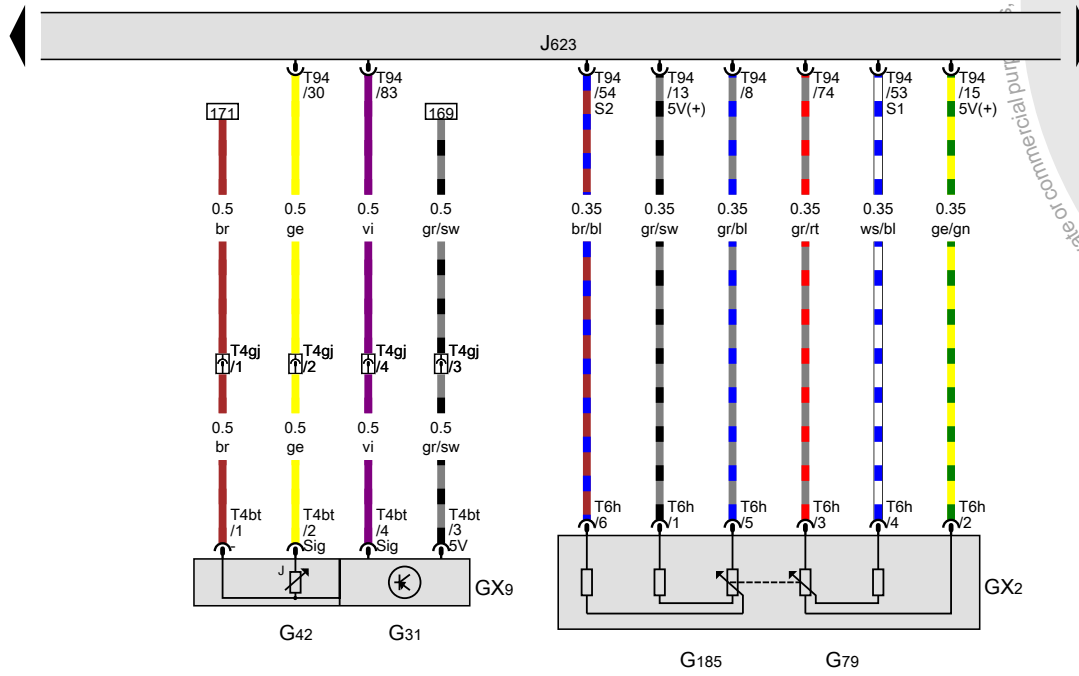


- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-006100415

Accelerator pedal module, Intake manifold sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

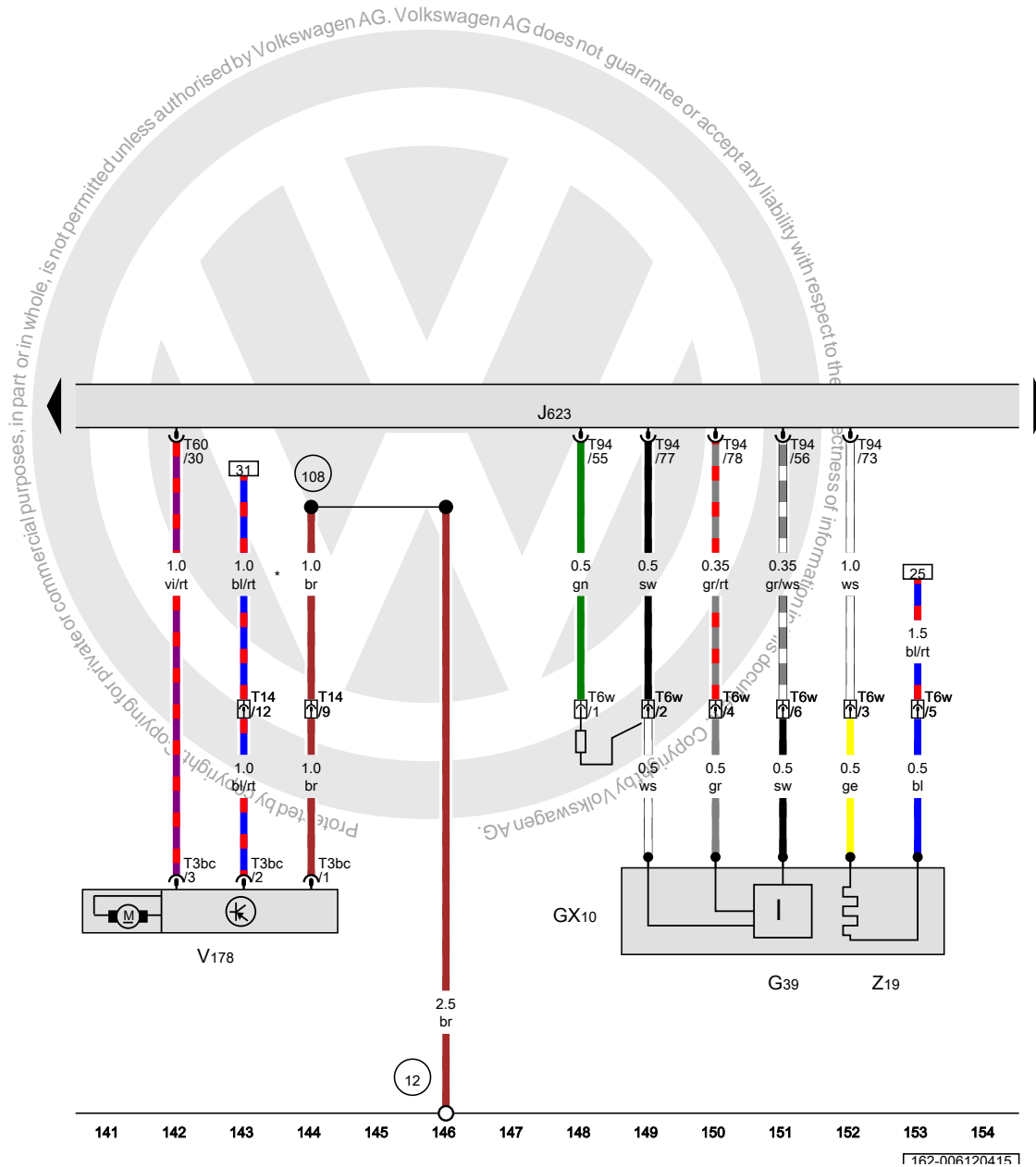
127 128 129 130 131 132 133 134 135 136 137 138 139 140

[162-006110415]

Lambda probe 1 before catalytic converter, Lambda probe, Engine control unit, Coolant circulation pump 2

- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- T3bc 3-pin connector
- T6w 6-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2
- Z19 Lambda probe heater

- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- * Wiring colour depends on equipment

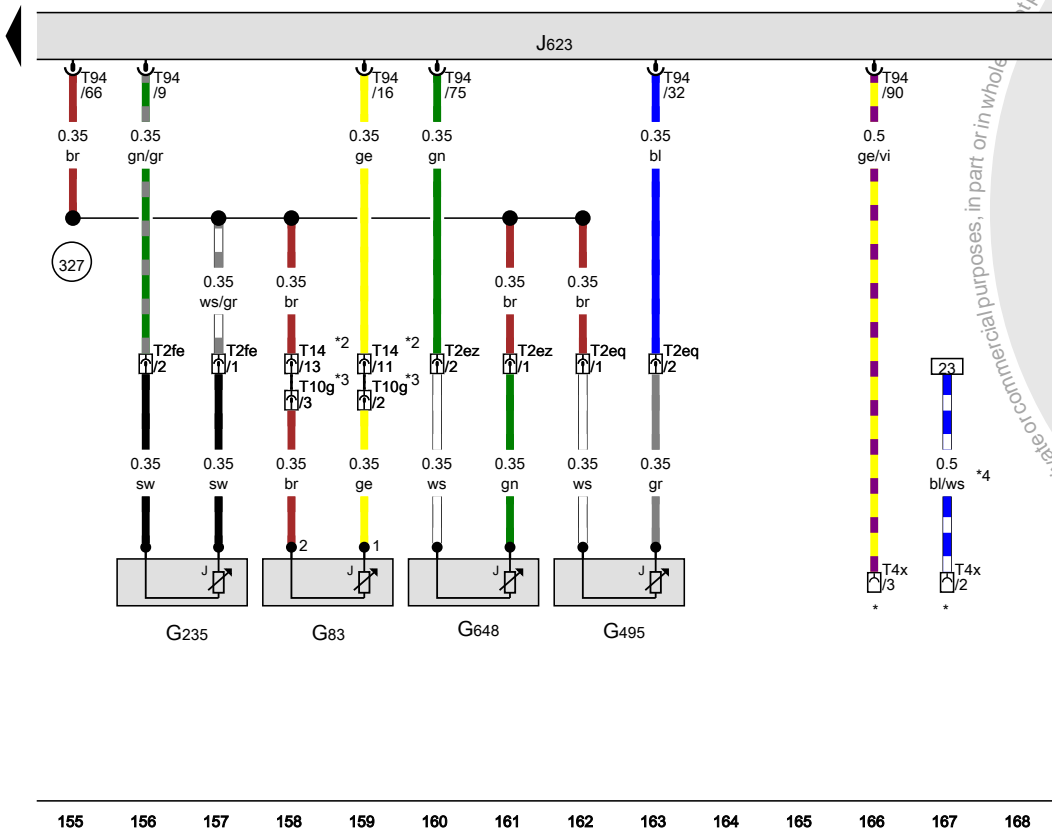


- ws = white
- sw = black
- ro = red
- rt = red
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-006120415

Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2eq 2-pin connector
- T2ez 2-pin connector
- T2fe 2-pin connector
- T4x 4-pin connector
- T10g 10-pin connector
- T14 14-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness
- * Radiator fan connection
- *2 gradual introduction
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment



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- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

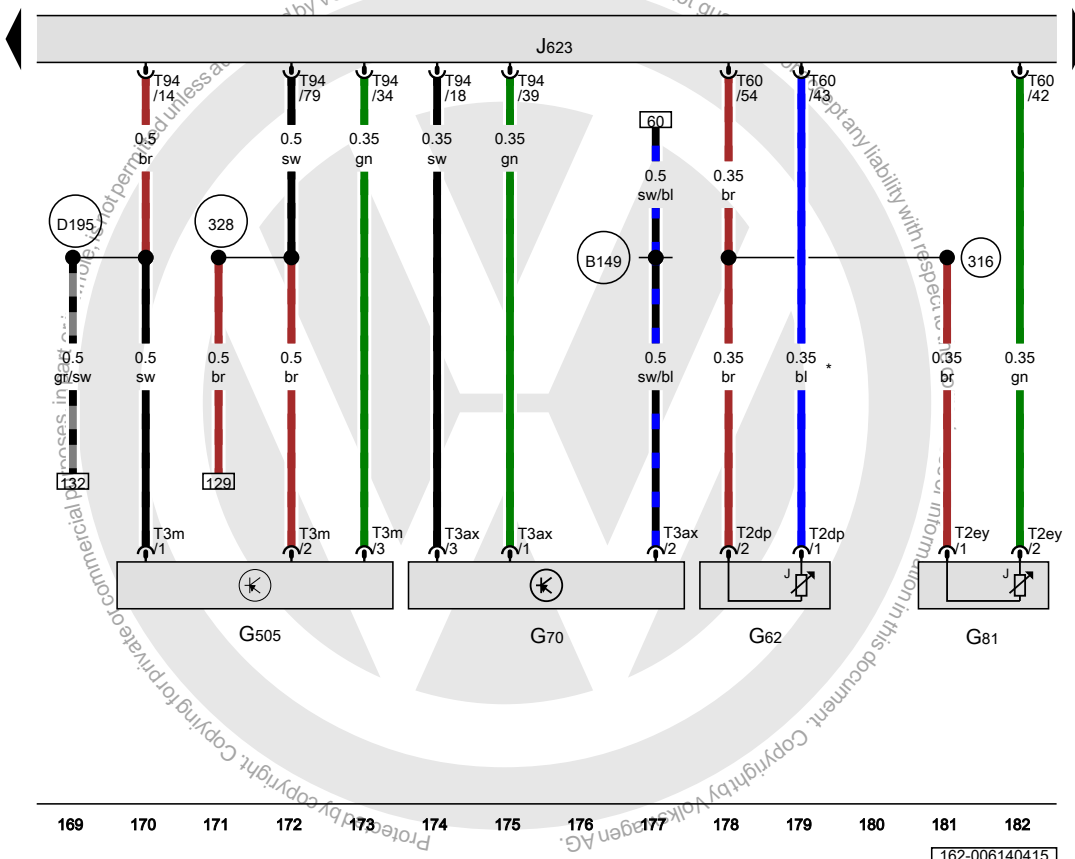
[162-006130415]

Coolant temperature sender, Air mass meter, Fuel temperature sender, Engine control unit

- G62 Coolant temperature sender
- G70 Air mass meter
- G81 Fuel temperature sender
- G505 Pressure differential sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ey 2-pin connector
- T3ax 3-pin connector
- T3m 3-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 316 Earth connection (sender earth 2) in engine wiring harness
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness

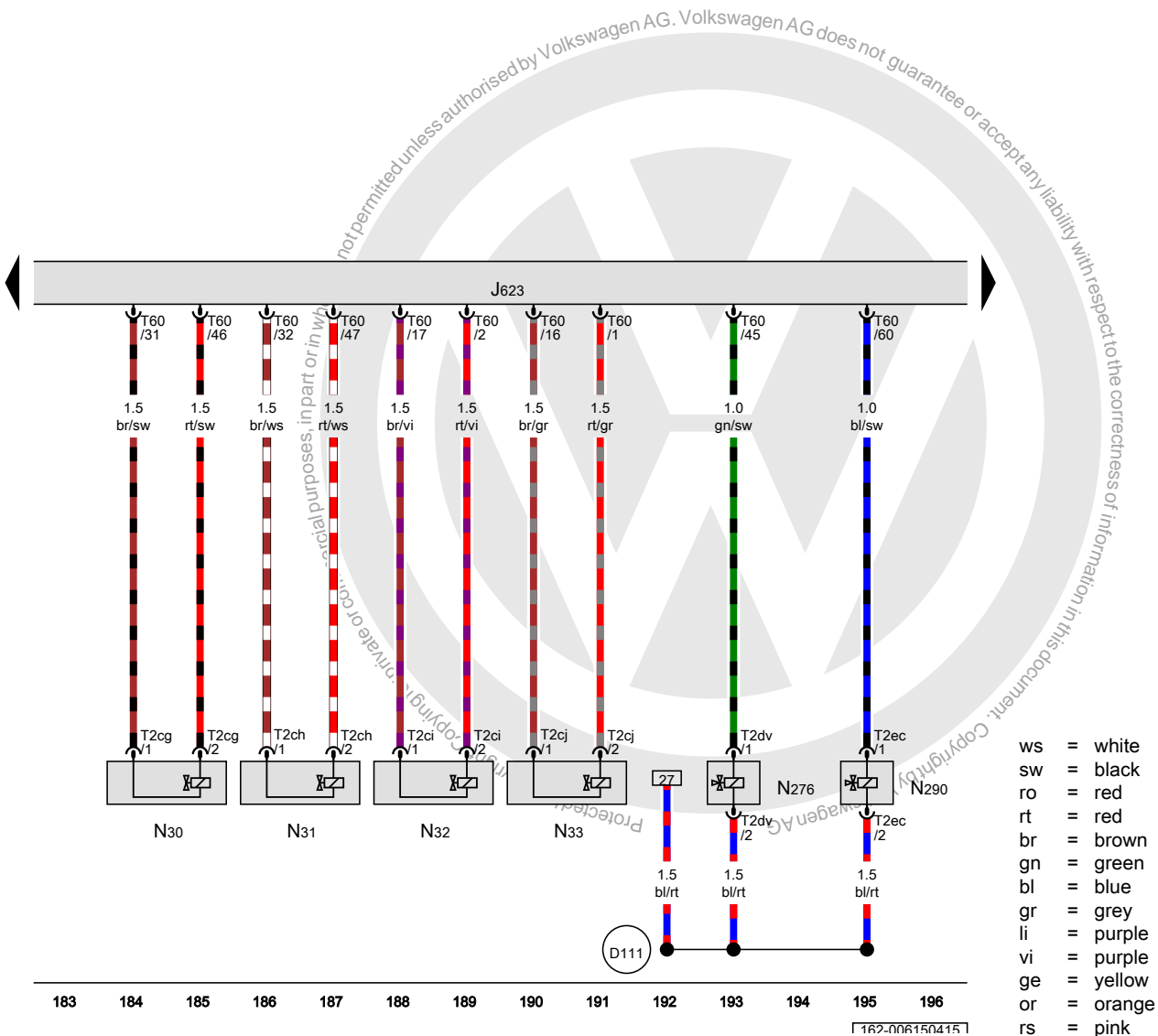
* Wiring colour depends on equipment



Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T60 60-pin connector

D111 Connection 9 in engine compartment wiring harness



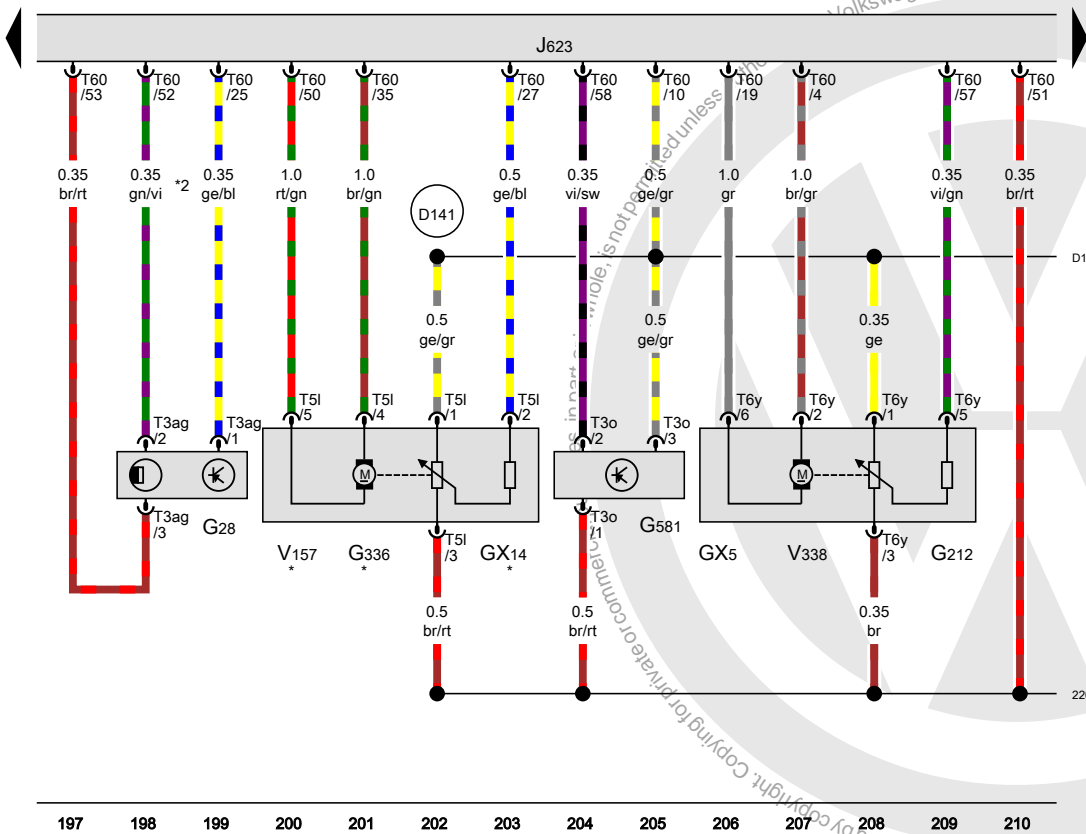
Exhaust gas recirculation valve 1, Intake manifold flap control unit, Engine speed sender, Position sender for charge pressure positioner, Engine control unit

- GX5 Exhaust gas recirculation valve 1
- GX14 Intake manifold flap control unit
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G336 Intake manifold flap potentiometer
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3ag 3-pin connector
- T3o 3-pin connector
- T5l 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V157 Intake manifold flap motor
- V338 Exhaust gas recirculation control motor

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

* According to equipment
Wiring colour depends on equipment



197 198 199 200 201 202 203 204 205 206 207 208 209 210

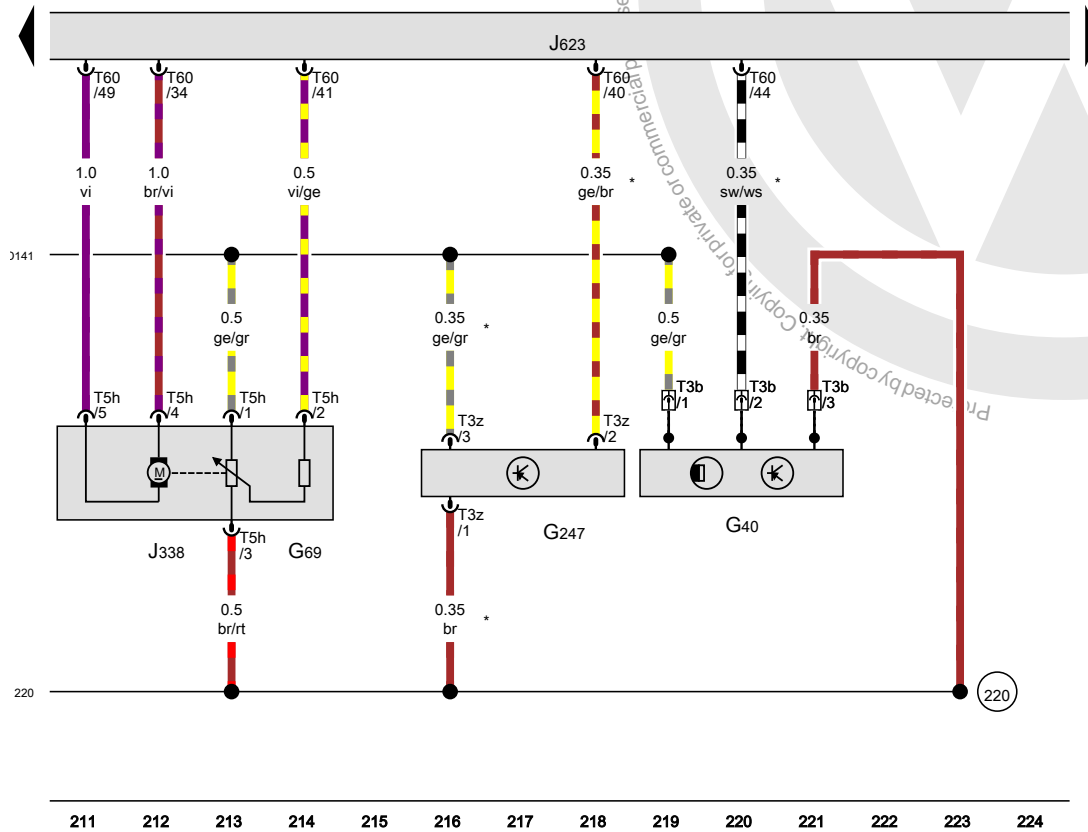
Hall sender, Throttle valve potentiometer, Fuel pressure sender, Throttle valve module, Engine control unit

- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3z 3-pin connector
- T5h 5-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

* Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

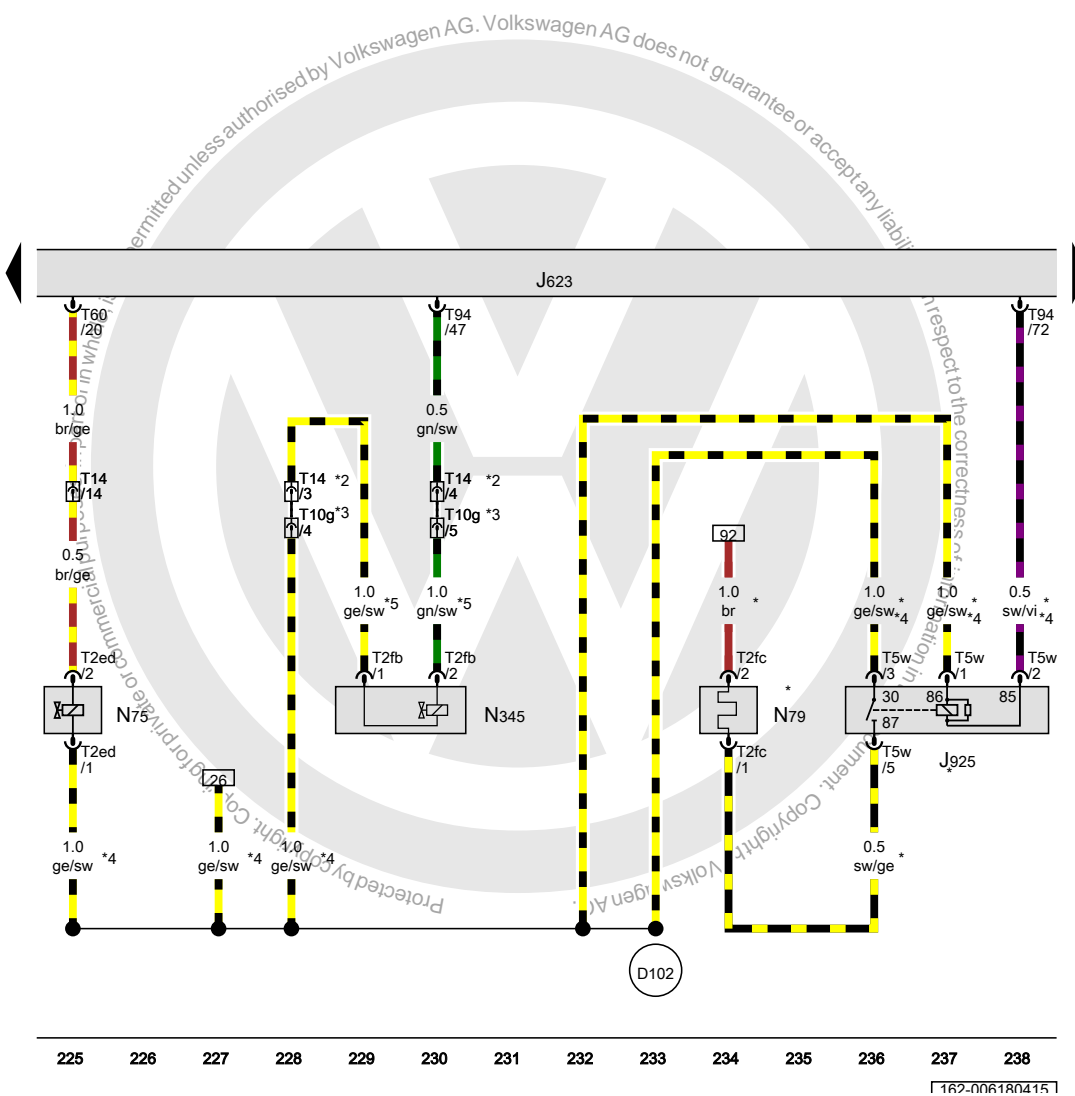
162-006170415

Engine control unit, Heater element relay, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve

- J623 Engine control unit
- J925 Heater element relay
- N75 Charge pressure control solenoid valve
- N79 Heater element for crankcase breather
- N345 Exhaust gas recirculation cooler changeover valve
- T2ed 2-pin connector
- T2fb 2-pin connector
- T2fc 2-pin connector
- T5w 5-pin connector
- T10g 10-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

D102 Connection 2 in engine compartment wiring harness

- * Only models with crankcase breather heater element
- *2 gradual introduction
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment
- *5 Cross section depends on equipment



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- sw = black
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

225 226 227 228 229 230 231 232 233 234 235 236 237 238

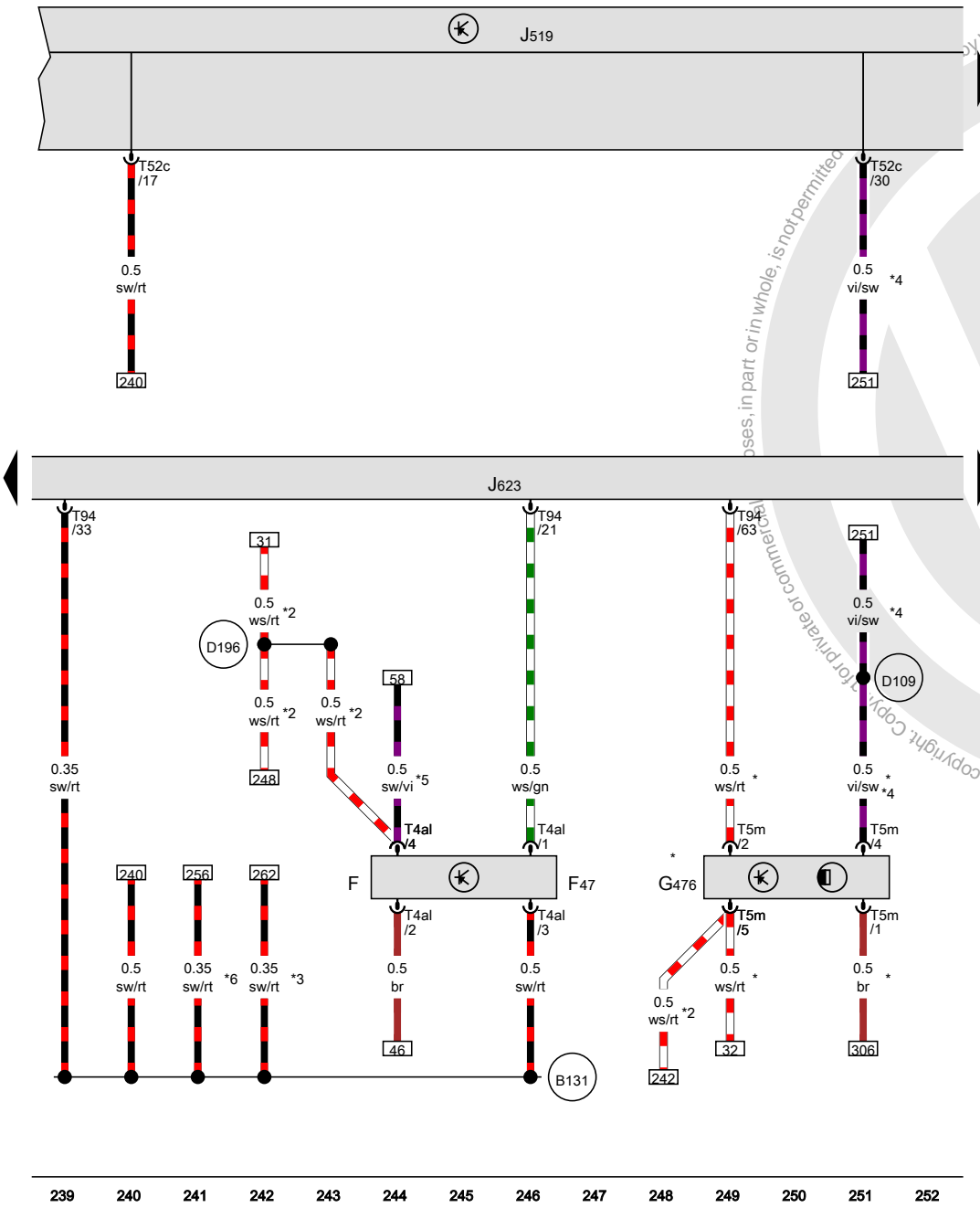
162-006180415

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

- (B131) Connection (54), in interior wiring harness
- (D109) Connection 7 in engine compartment wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness

- * Only models with manual gearbox
- *2 gradual introduction
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Wiring colour depends on equipment
- *5 Gradually discontinued
- *6 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink

239 240 241 242 243 244 245 246 247 248 249 250 251 252

[162-006190415]

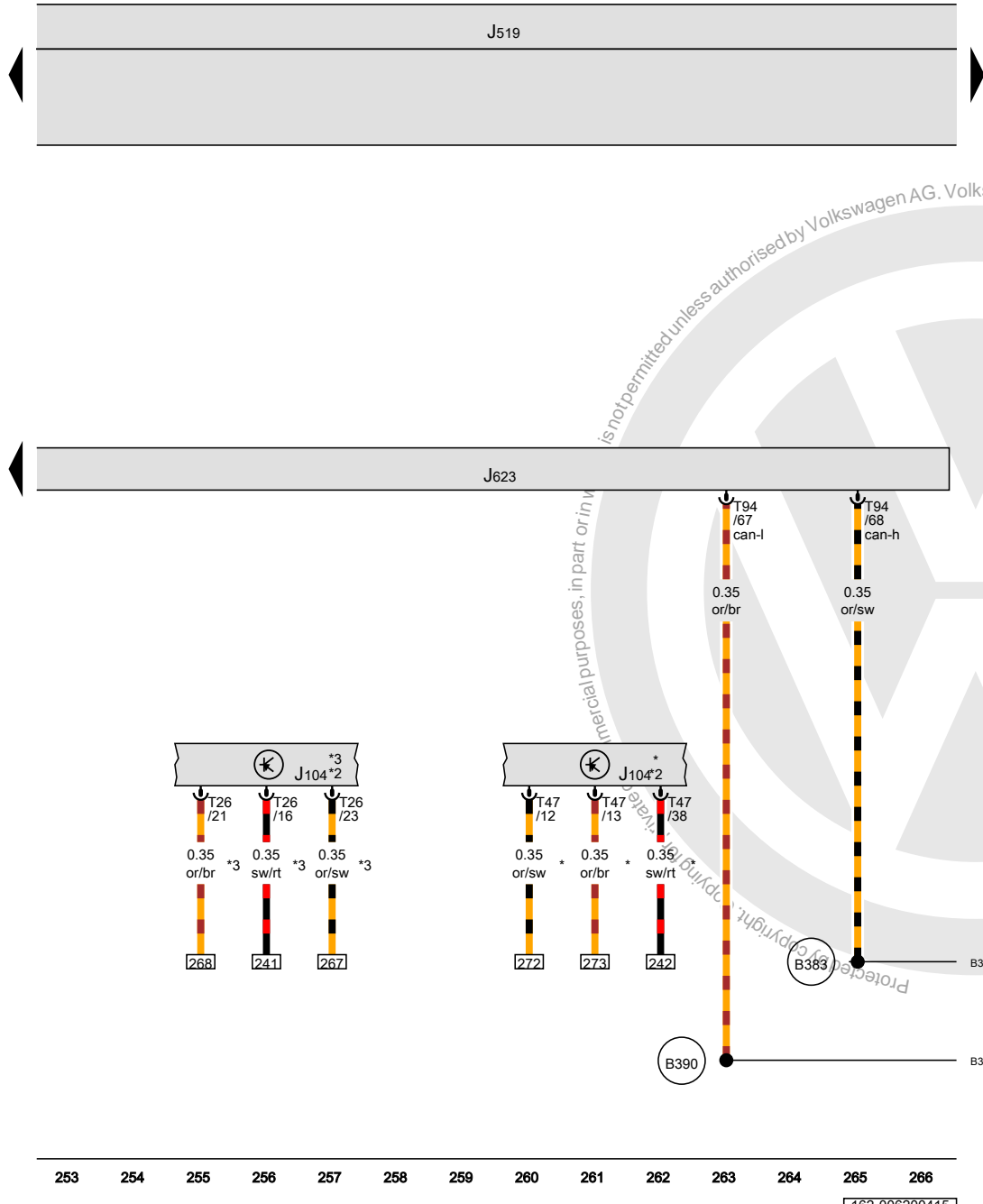
ABS control unit, Onboard supply control unit, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

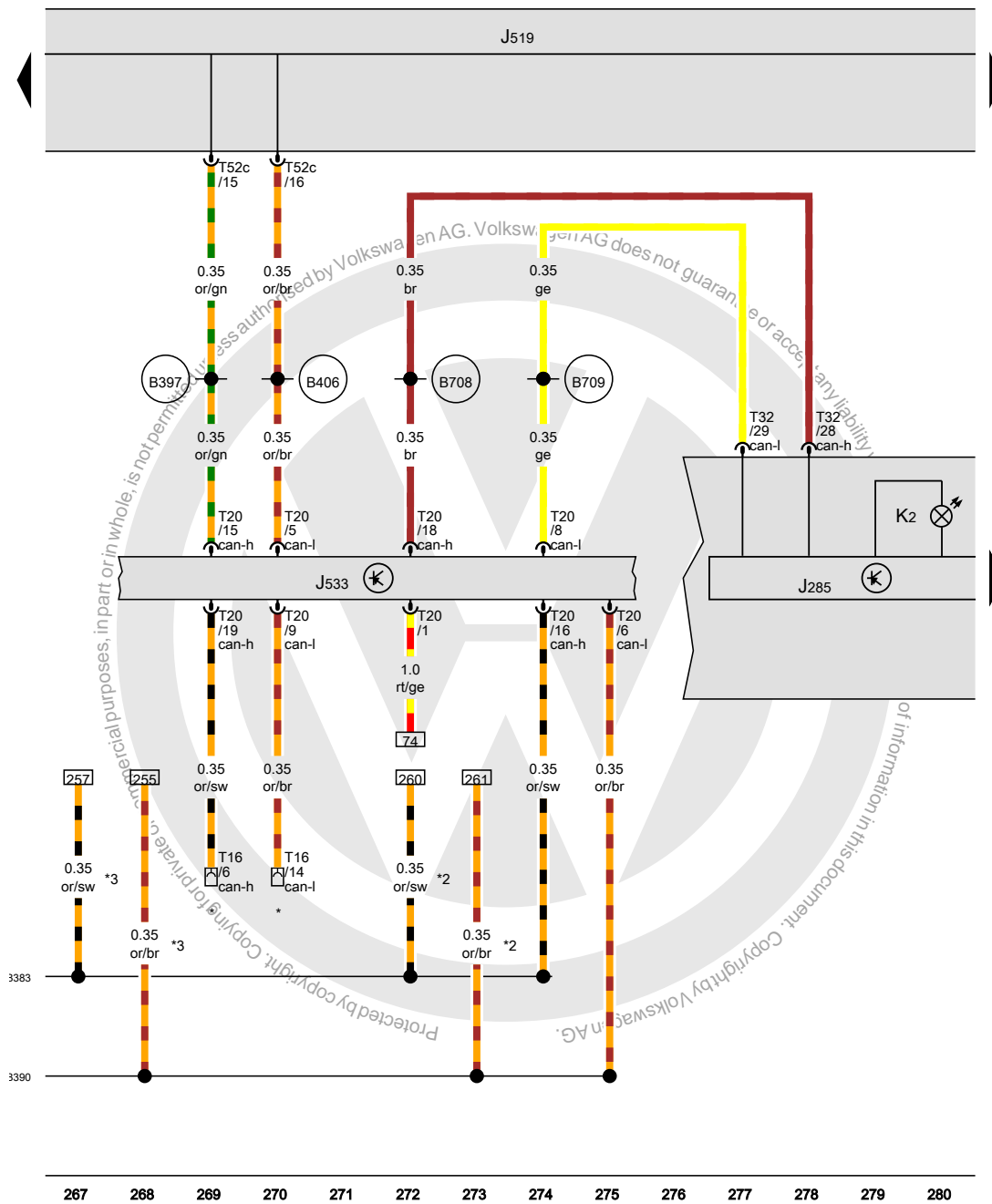
B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 According to equipment
- *3 Only models with ABS and no ESP



253 254 255 256 257 258 259 260 261 262 263 264 265 266

[162-006200415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp

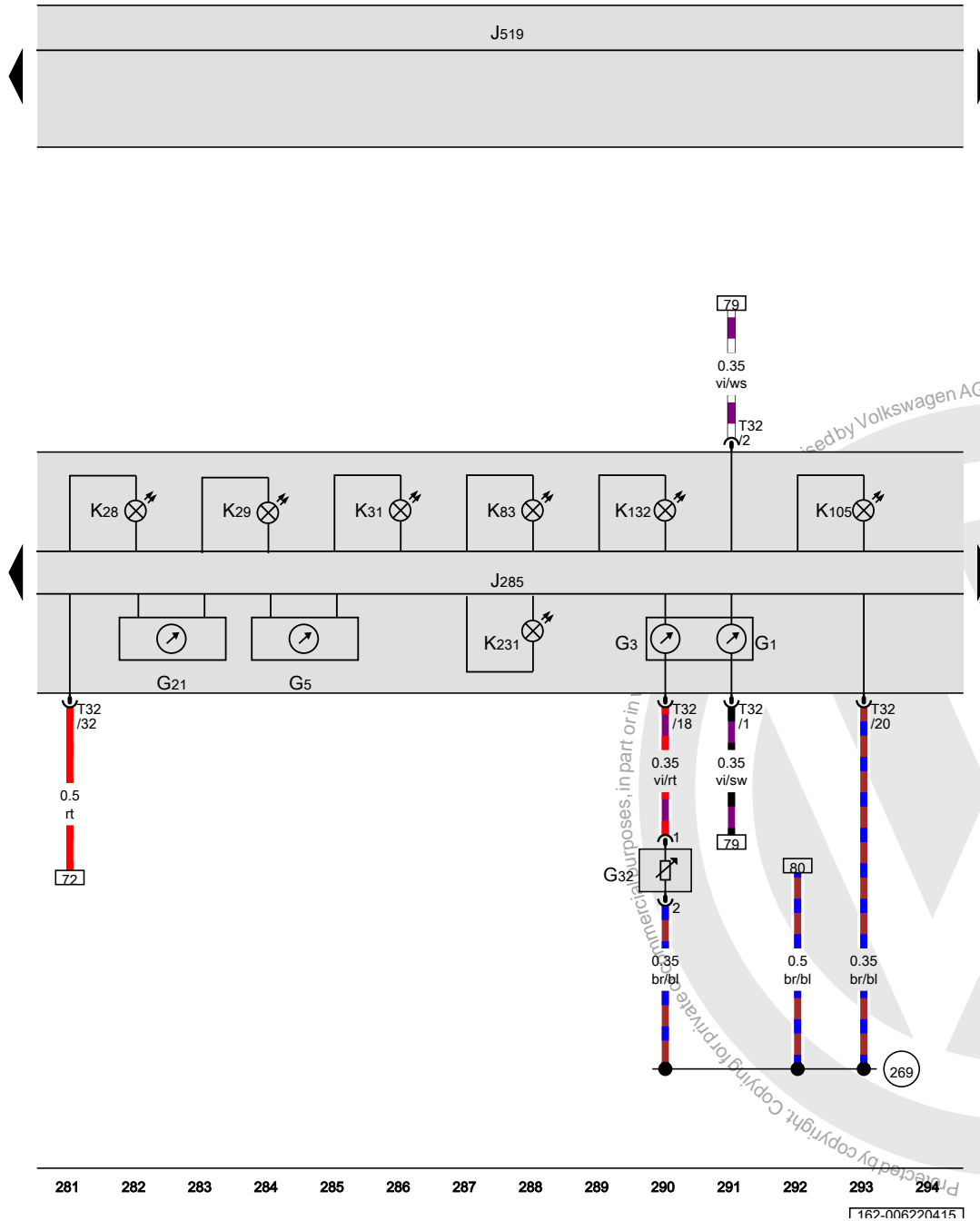
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

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- ge = yellow
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- rs = pink

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Cruise control system warning lamp, Electronic power control fault lamp, Diesel particulate filter warning lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- K231 Diesel particulate filter warning lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness



281 282 283 284 285 286 287 288 289 290 291 292 293 294

162-006220415

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

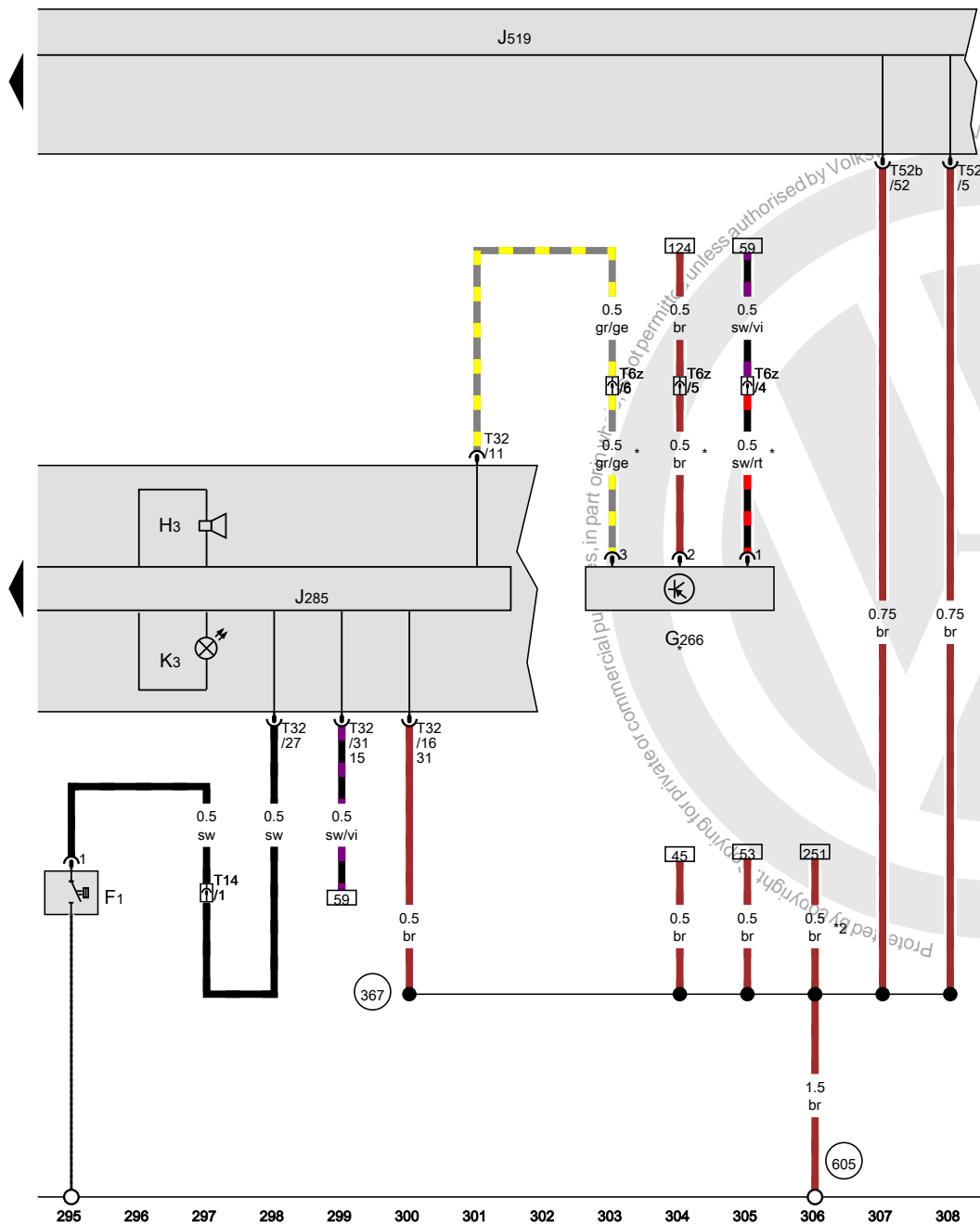
- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

367 Earth connection 2, in main wiring harness

605 Earth point, on top end of steering column

* Only models with flexible service interval display

*2 Only models with manual gearbox

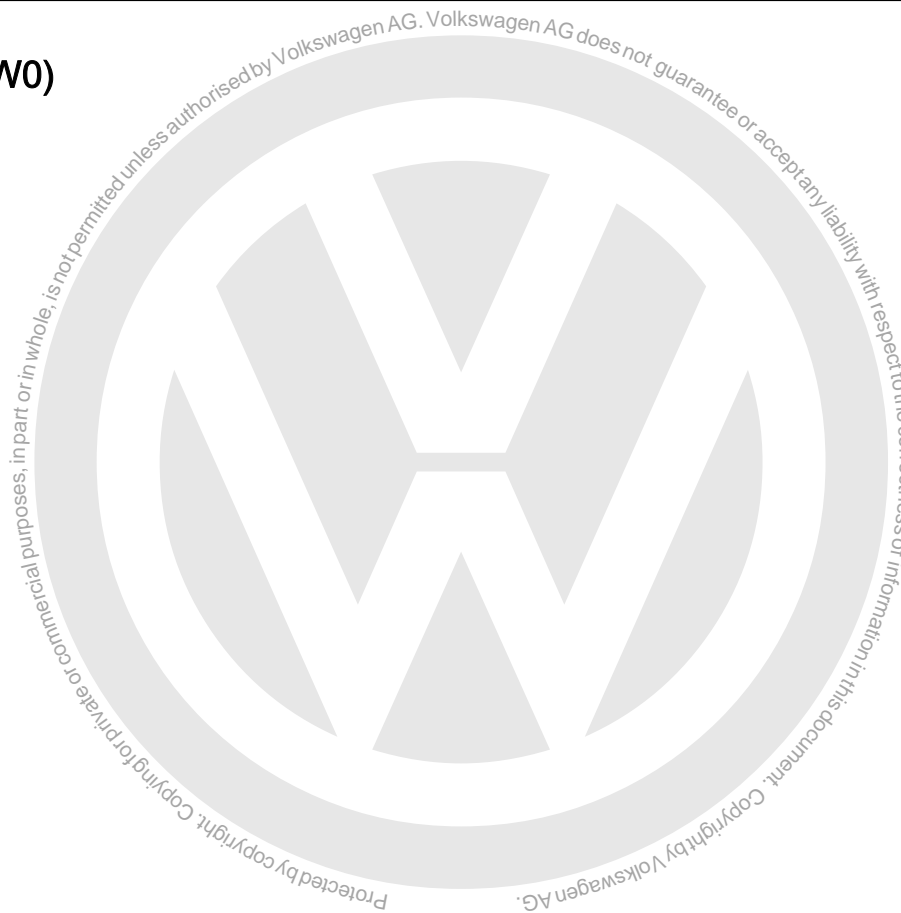


- ws = white
- sw = black
- ro = red
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- gr = grey
- li = purple
- vi = purple
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- rs = pink

162-006230415

2.0l petrol engine , CBPA,(AW0)

From April 2010



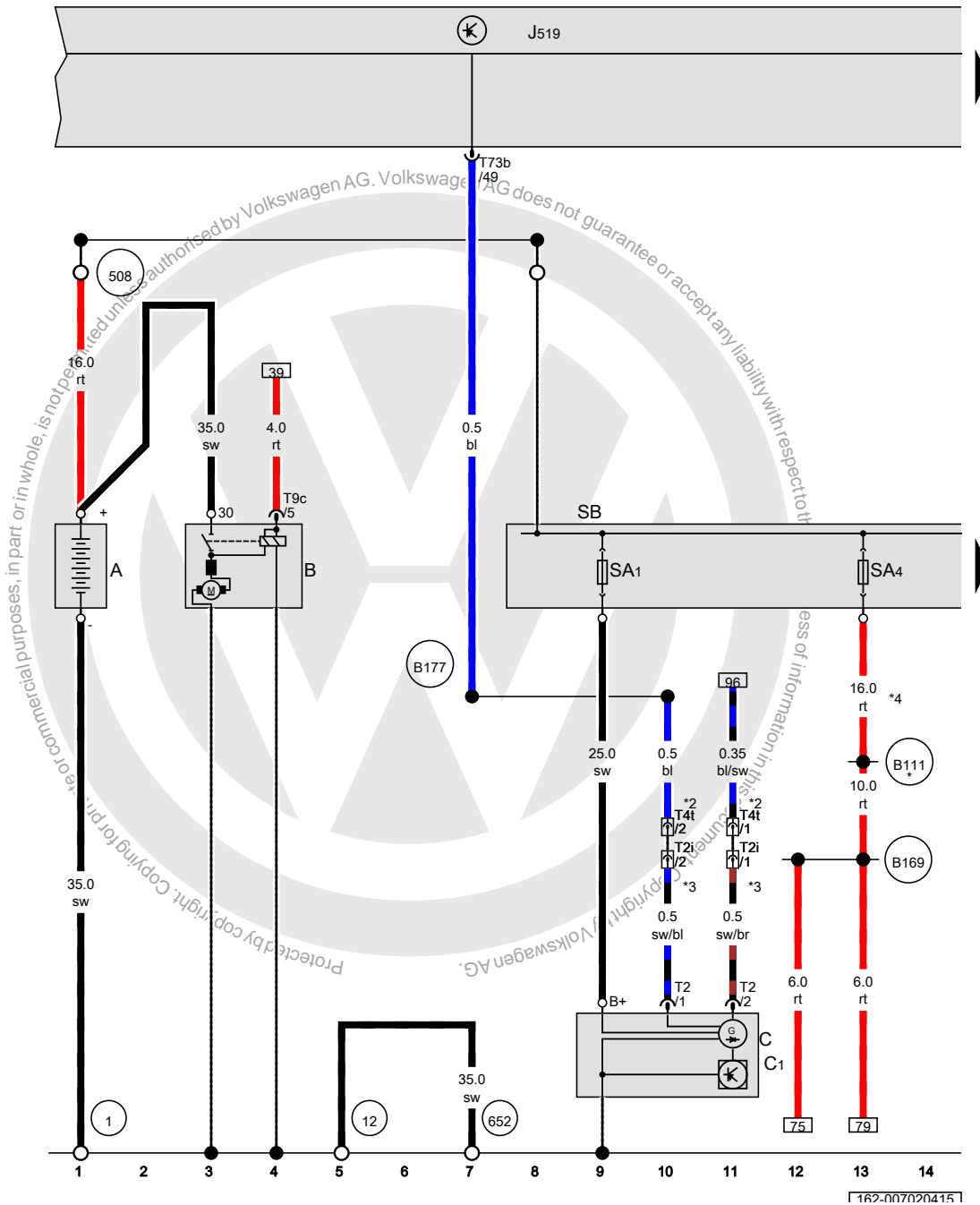
Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder
B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Gradually discontinued
- *2 Only models with air conditioning system
- *3 Only models with no air conditioning system
- *4 Cross section depends on equipment

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-007020415

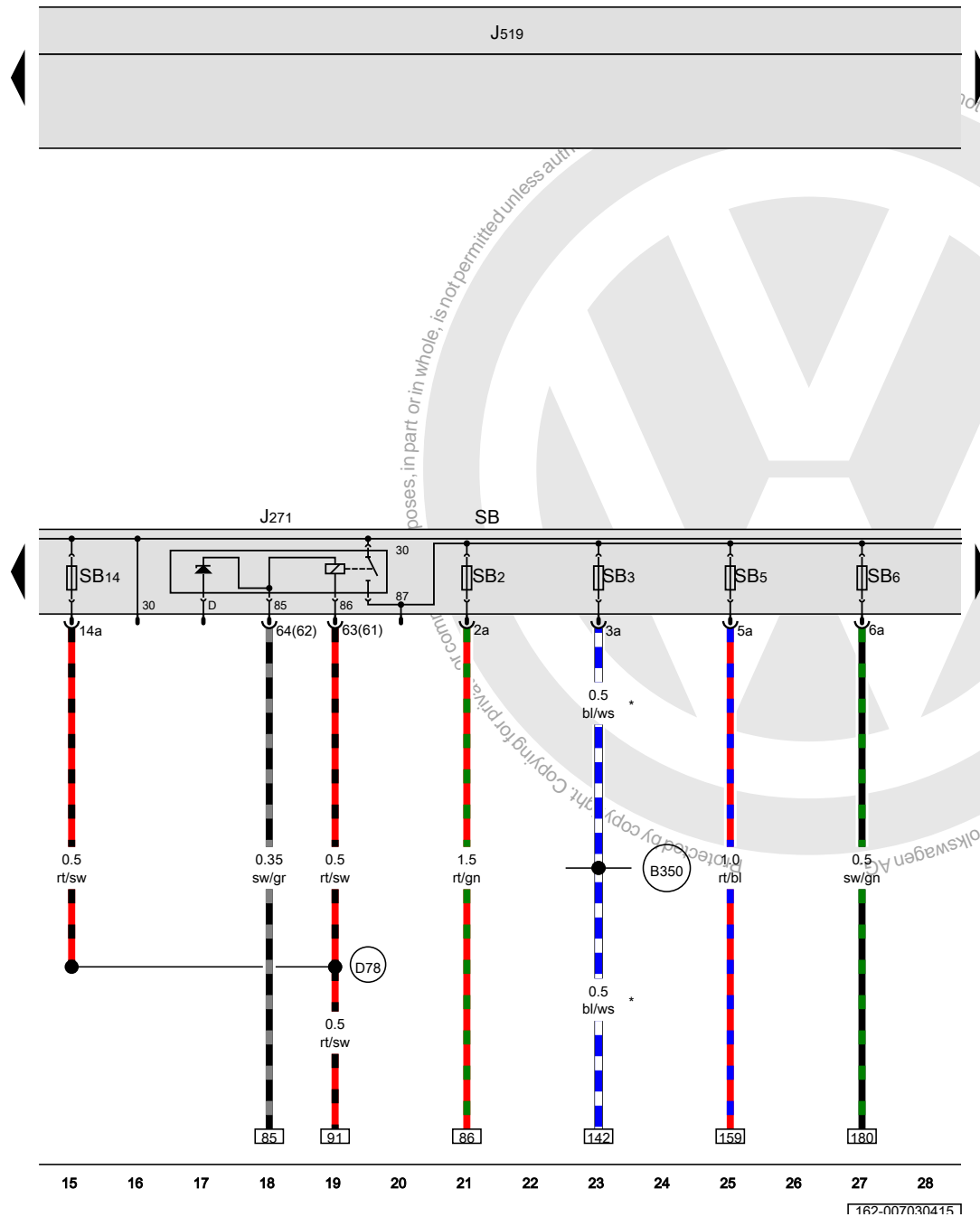
Main relay, Onboard supply control unit, Fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB14 Fuse 14 on fuse holder B

(B350) Positive connection 1 (87a) in main wiring harness

(D78) Positive connection 1 (30a), in engine compartment wiring harness

* Wiring colour depends on equipment



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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

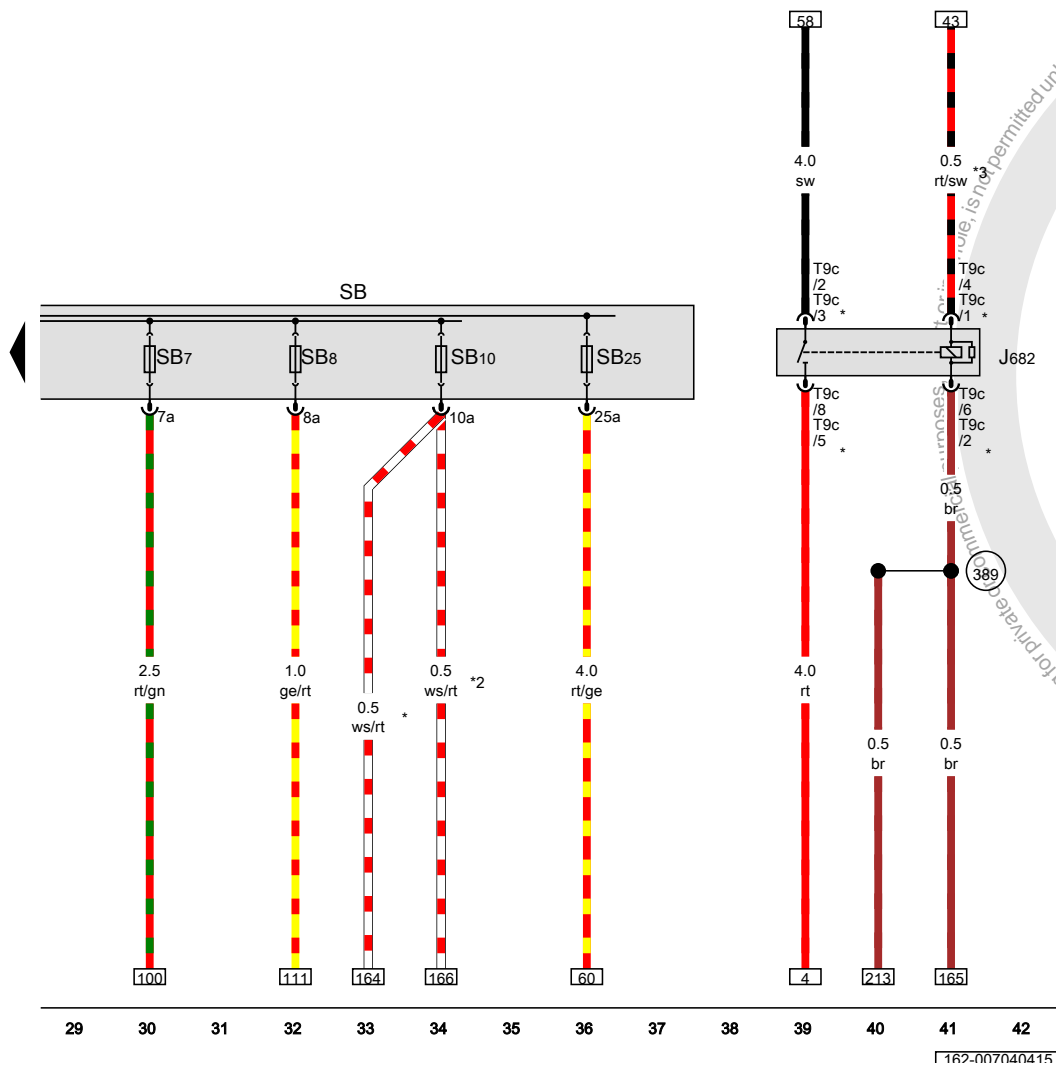
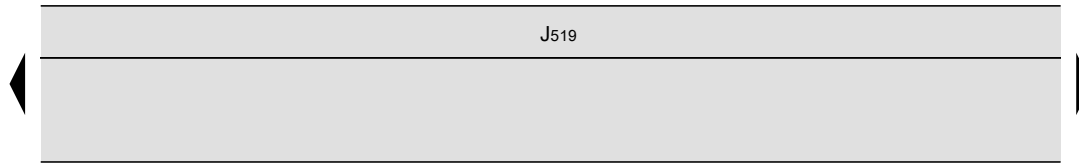
[162-007030415]

Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B

- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T9c 9-pin connector

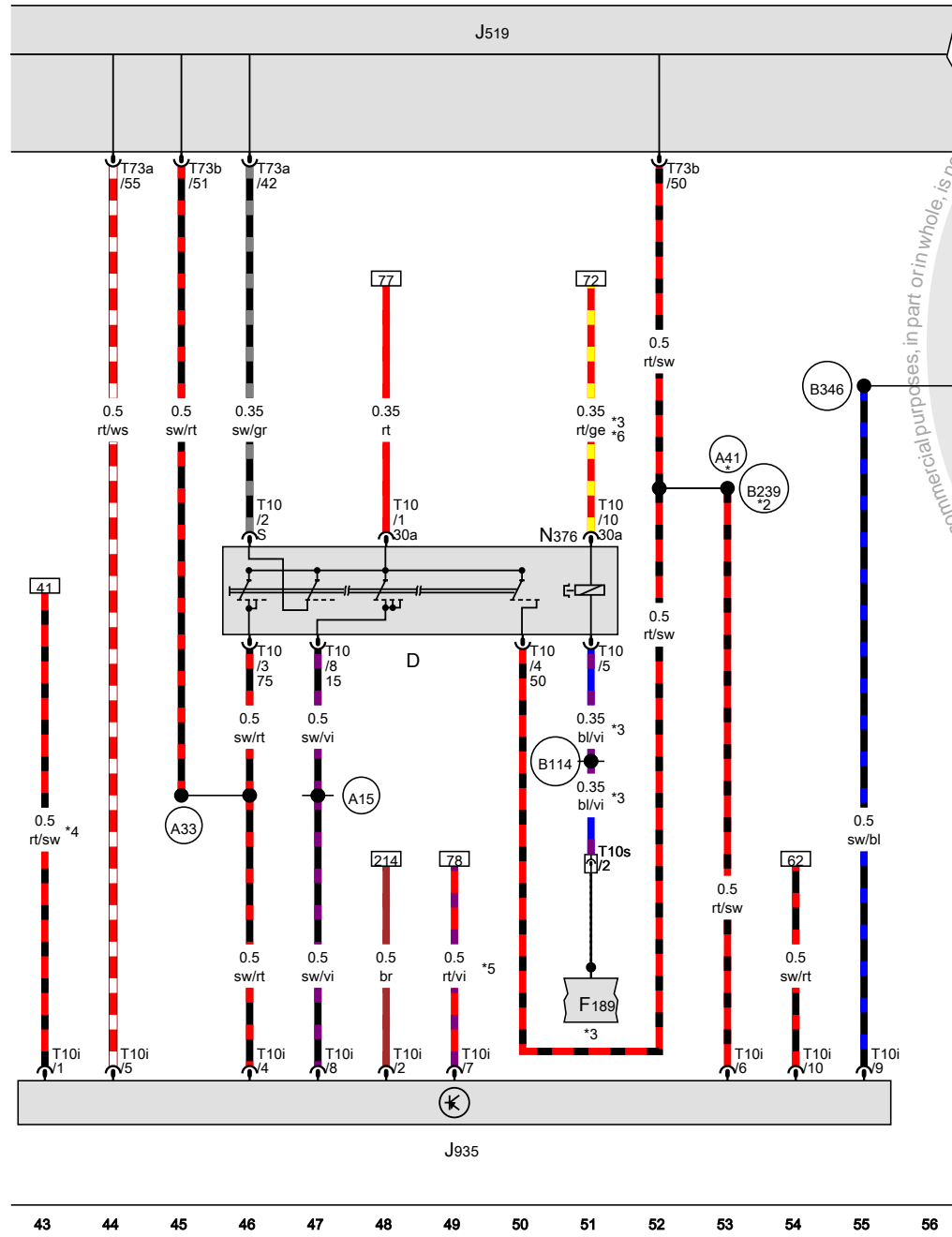
389 Earth connection 24, in main wiring harness

- * gradual introduction
- *2 Gradually discontinued
- *3 According to equipment



- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-007040415



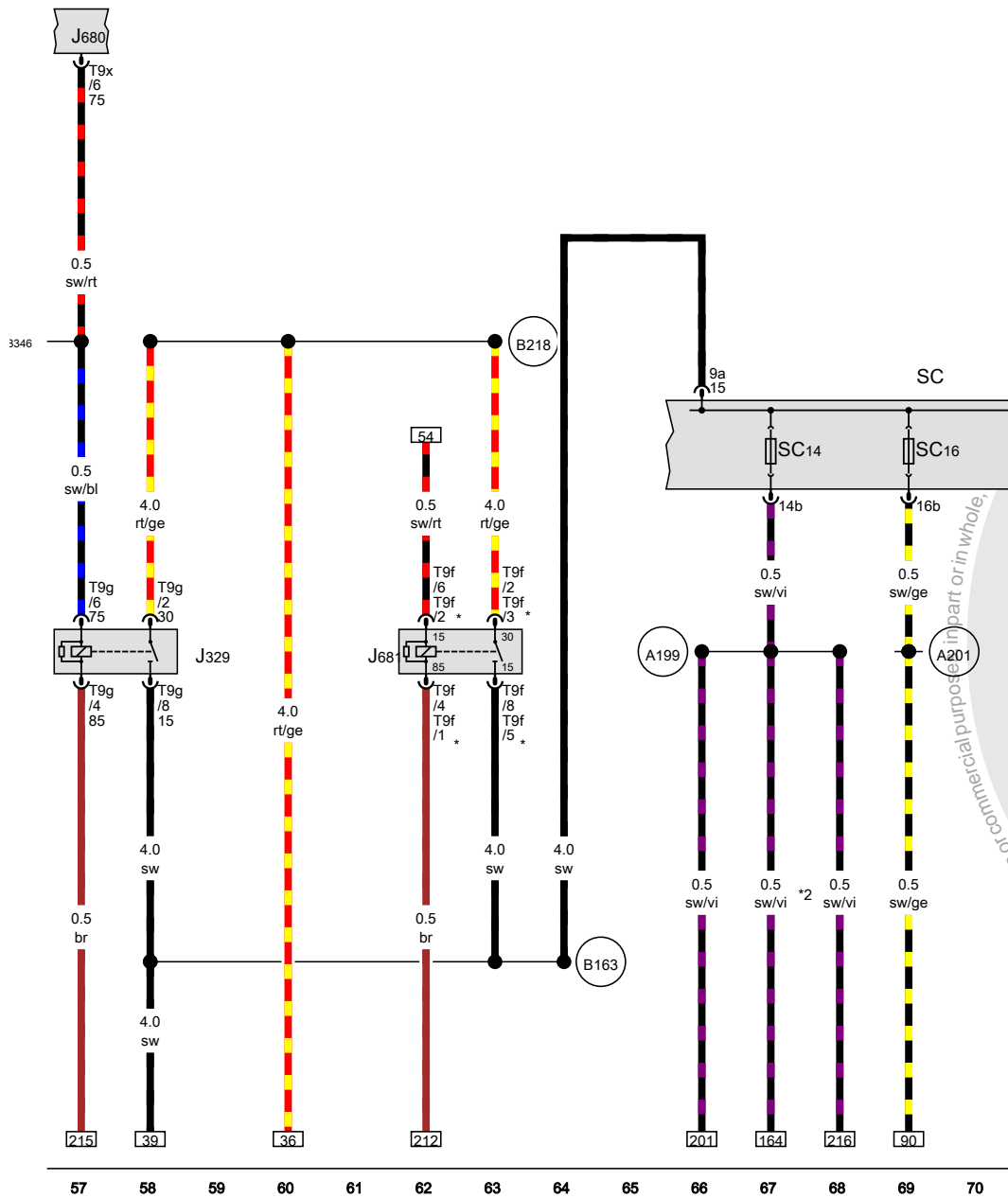
Ignition/starter switch, Onboard supply control unit, Converter box

- D Ignition/starter switch
- F189 Tiptronic switch
- J519 Onboard supply control unit
- J935 Converter box
- N376 Ignition key withdrawal lock solenoid
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness

- * From June 2013
- *2 Up to May 2013
- *3 Only models with automatic gearbox
- *4 According to equipment
- *5 Wiring colour depends on equipment
- *6 Cross section depends on equipment

- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

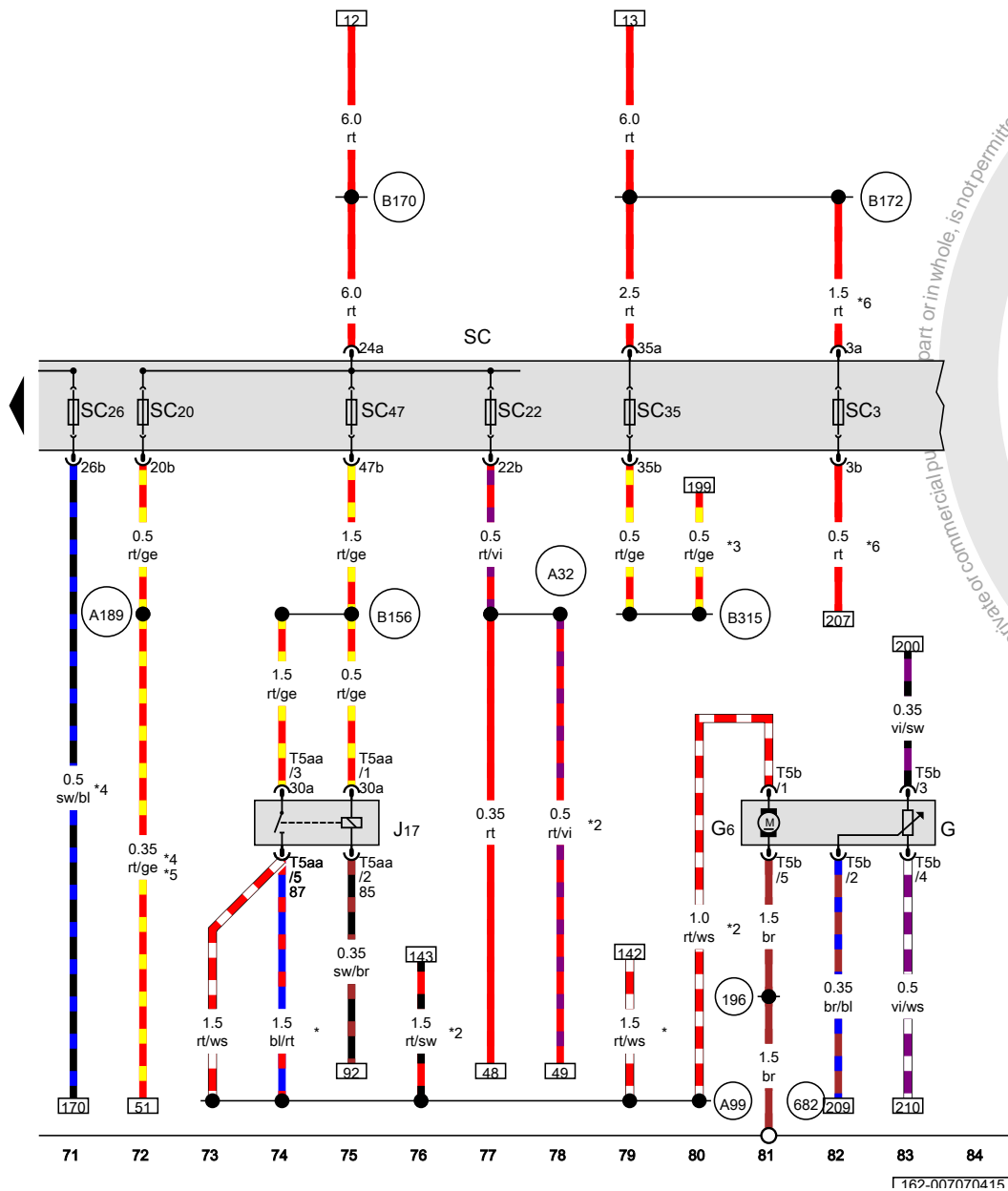


Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * gradual introduction
- *2 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A99 Connection 1 (87) in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

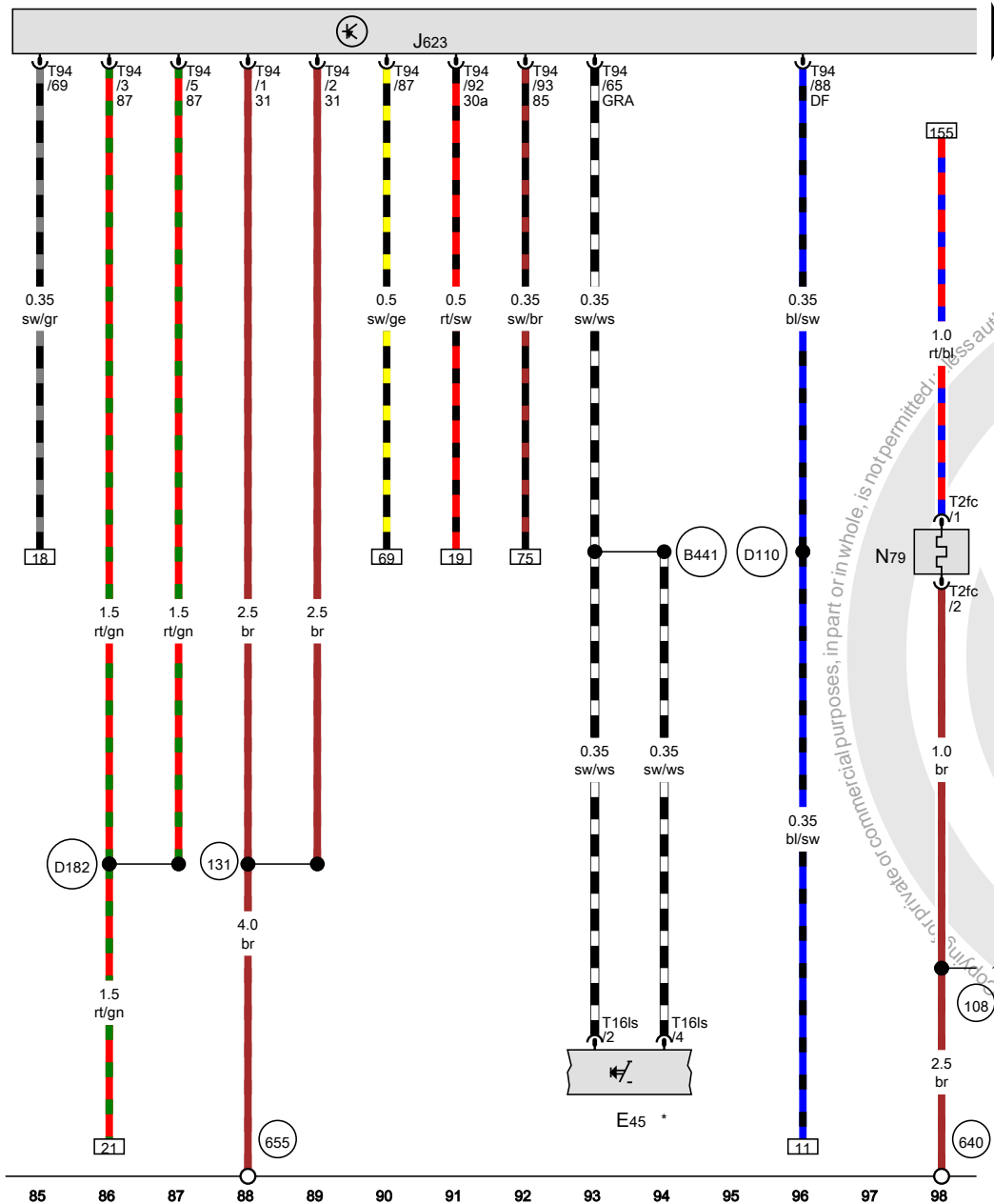
- * Up to July 2013
- *2 Wiring colour depends on equipment
- *3 Gradually discontinued
- *4 Only models with automatic gearbox
- *5 Cross section depends on equipment
- *6 gradual introduction

162-007070415

Engine control unit

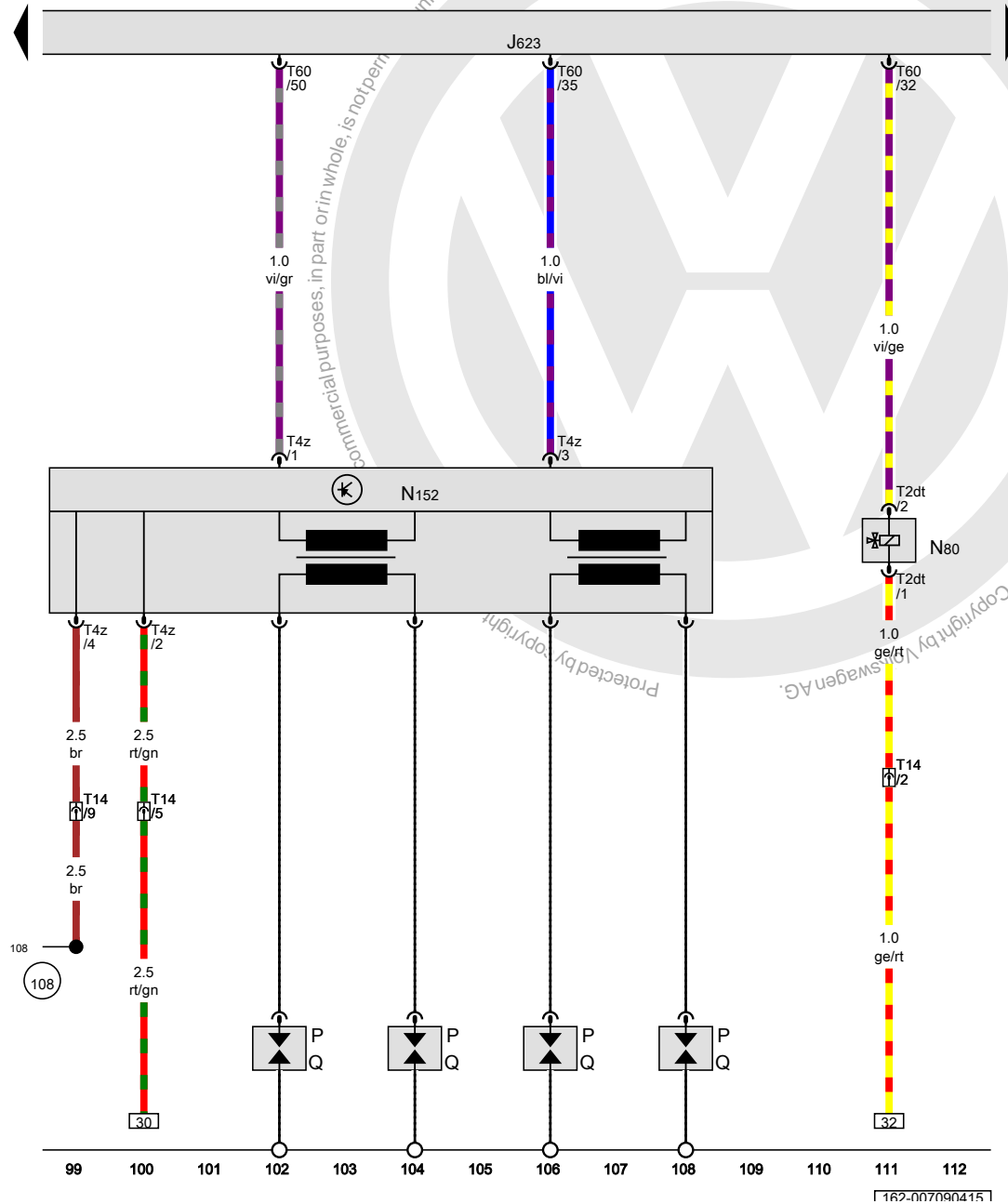
- E45 Cruise control system switch
- J623 Engine control unit
- N79 Heater element for crankcase breather
- T2fc 2-pin connector
- T16ls 16-pin connector
- T94 94-pin connector

- 108 Earth connection 2, in front left wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)



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- sw = black
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-007080415



Engine control unit, Activated charcoal filter solenoid valve 1, Spark plug connector, Spark plugs

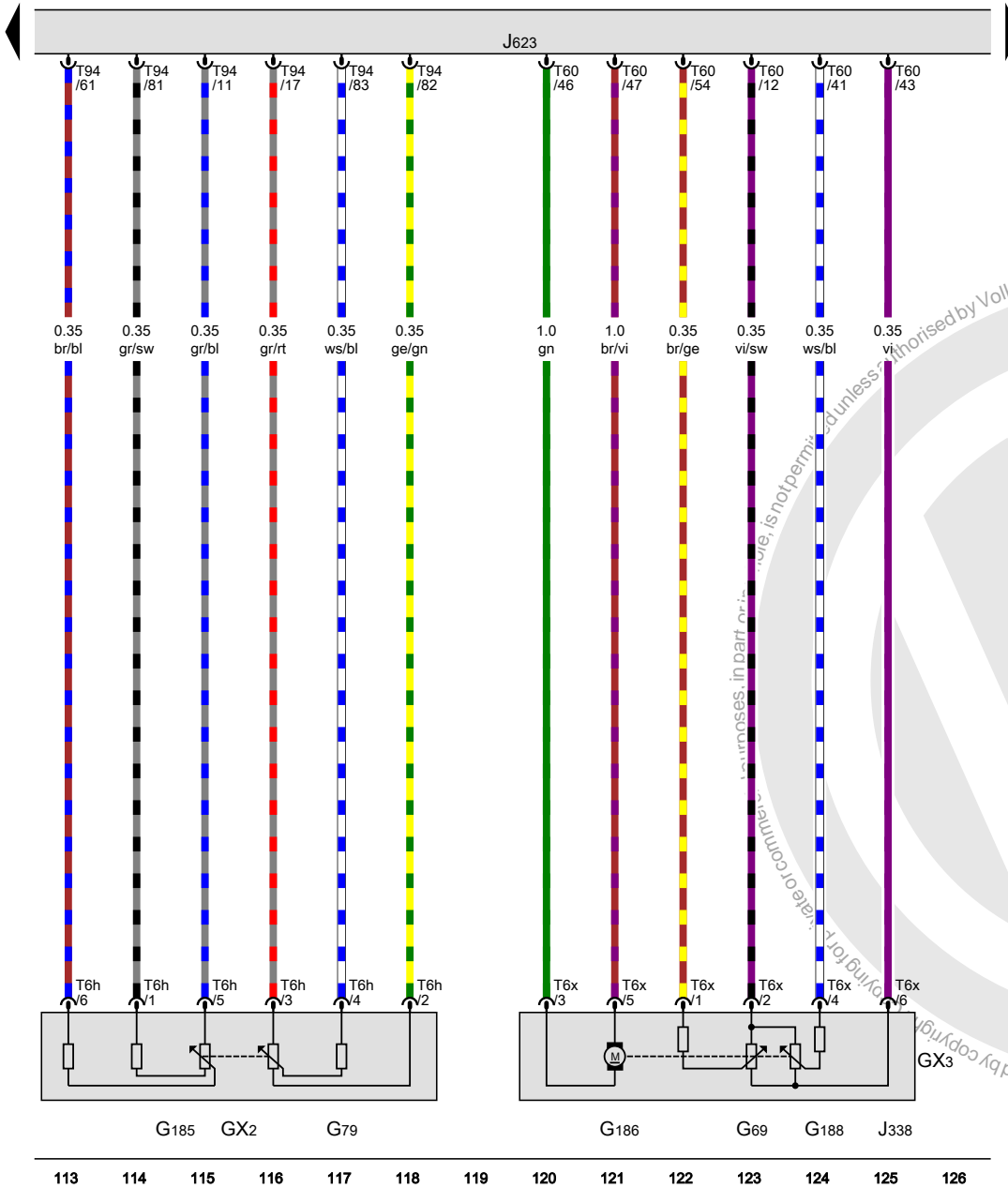
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T2dt 2-pin connector
- T4z 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 108 Earth connection 2, in front left wiring harness

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-007090415

Accelerator pedal module, Throttle valve module, Accelerator position sender, Accelerator position sender 2, Throttle valve drive for electric throttle, Engine control unit

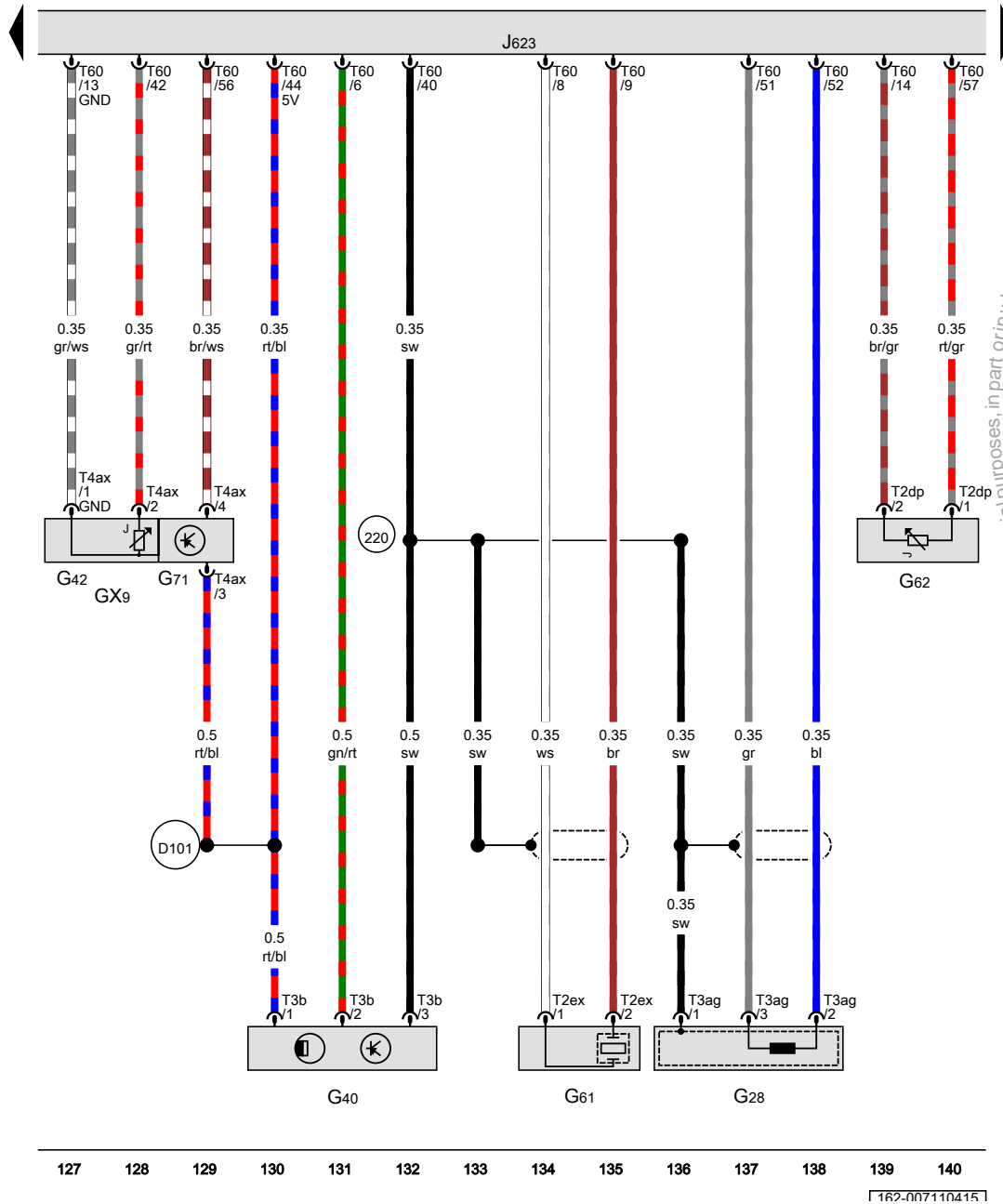


- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G69 Throttle valve potentiometer
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector

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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-007100415

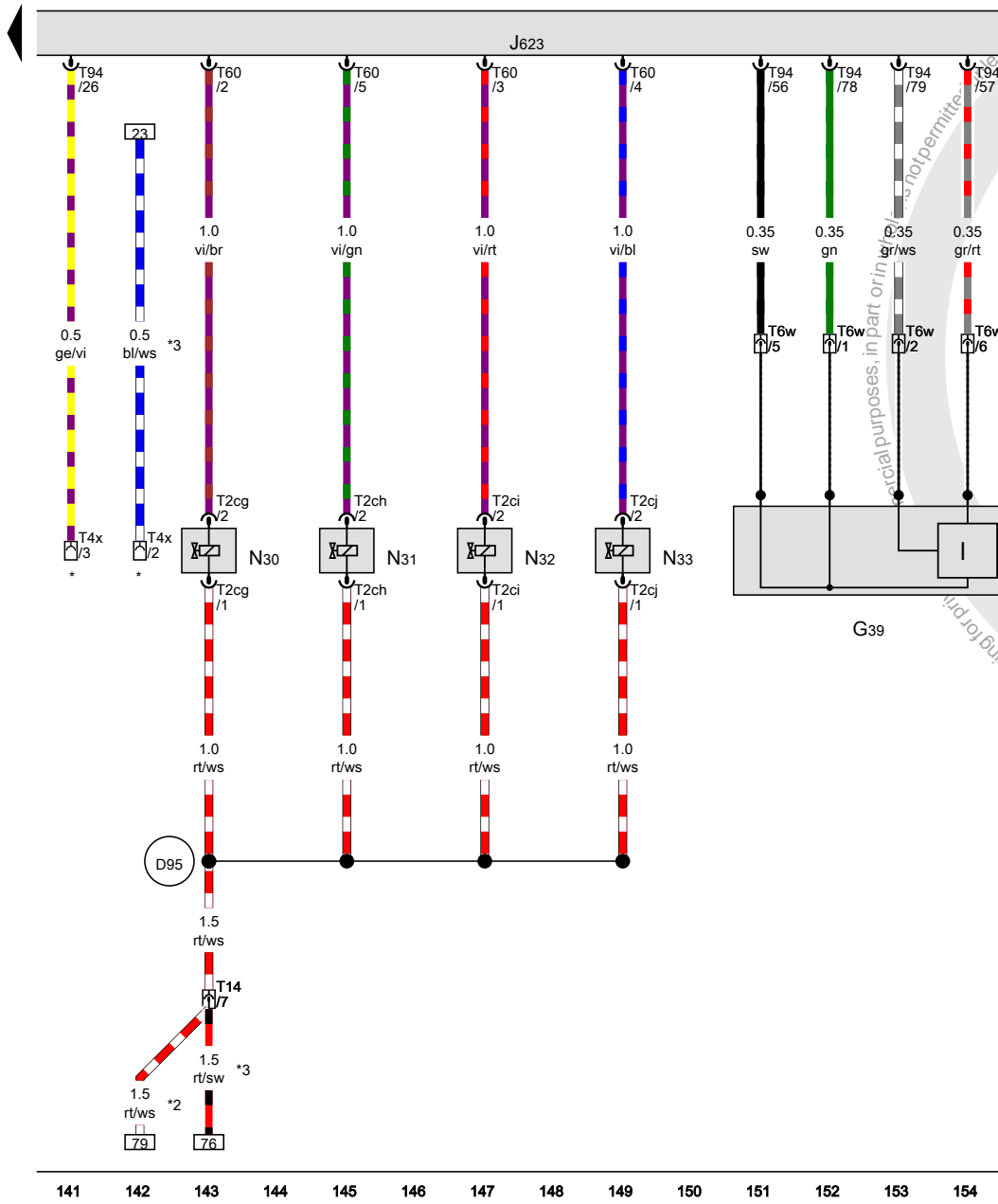
Intake manifold sender, Engine speed sender, Hall sender, Intake air temperature sender, Knock sensor 1, Coolant temperature sender, Intake manifold pressure sender, Engine control unit



- GX9 Intake manifold sender
- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3ag 3-pin connector
- T3b 3-pin connector
- T4ax 4-pin connector
- T60 60-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness

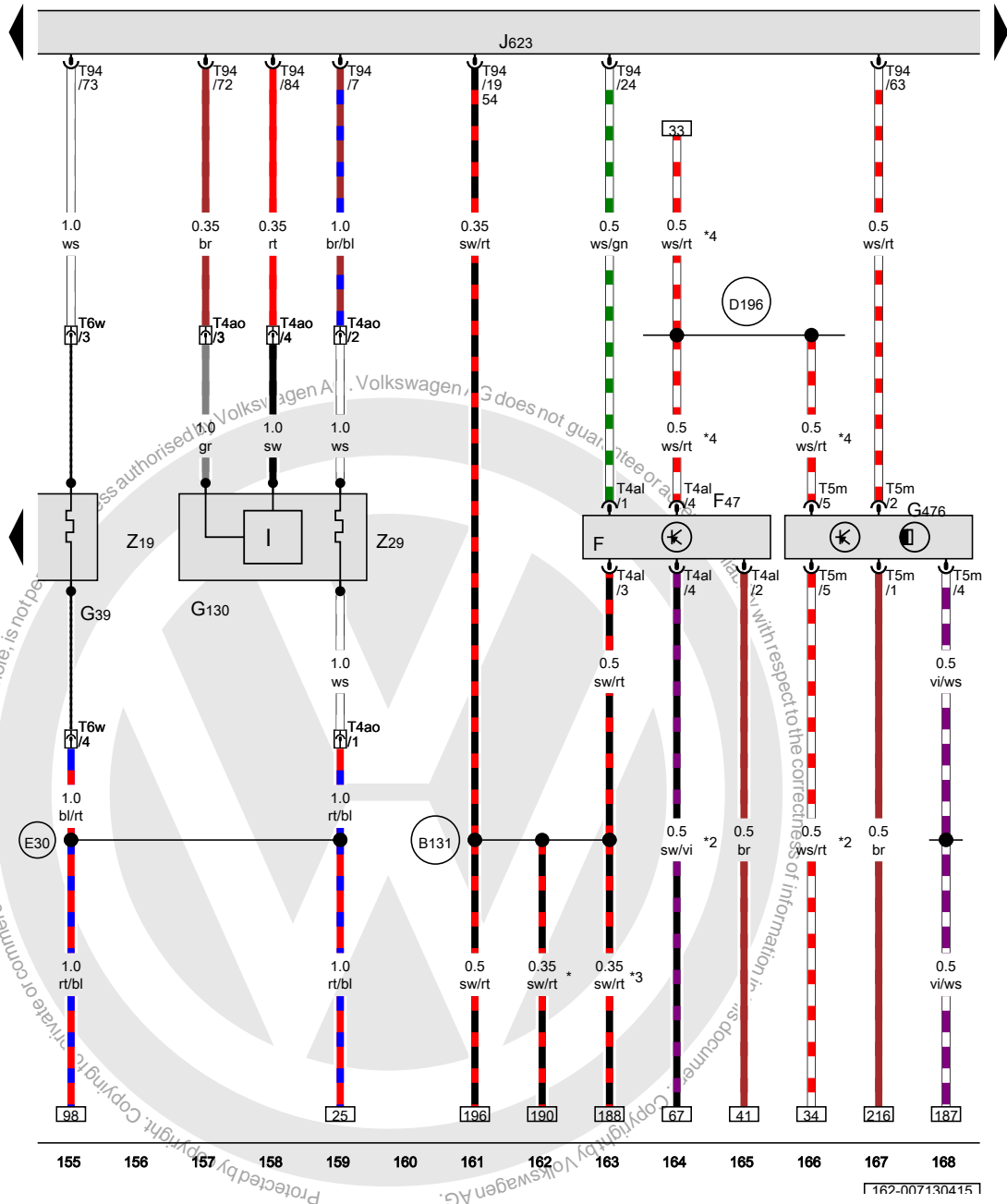
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- G39 Lambda probe
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T4x 4-pin connector
- T6w 6-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- D95 Connection (injectors), in engine compartment wiring harness
- * Radiator fan connection
- *2 Up to July 2013
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
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- ge = yellow
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Brake light switch, Brake pedal switch, Lambda probe, Lambda probe after catalytic converter, Clutch position sender, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- F Brake light switch
- F47 Brake pedal switch
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G476 Clutch position sender
- J623 Engine control unit
- T4al 4-pin connector
- T4ao 4-pin connector
- T5m 5-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

- (B131) Connection (54), in interior wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness
- (E30) Connection (87a), in engine wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Gradually discontinued
- *3 Only models with ABS and no ESP
- *4 gradual introduction

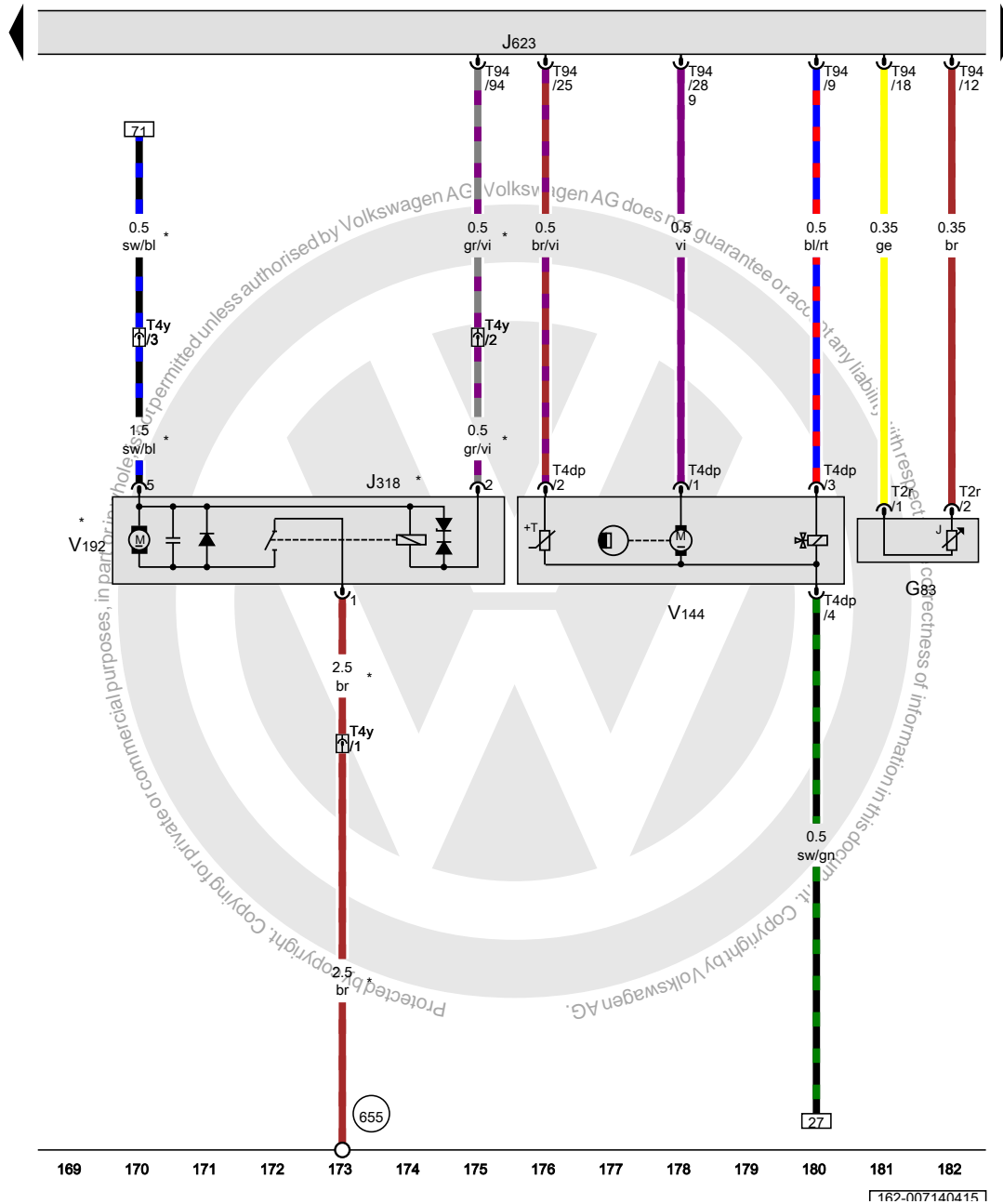
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radiator outlet coolant temperature sender, Vacuum pump relay, Engine control unit, Fuel system diagnostic pump, Vacuum pump for brakes

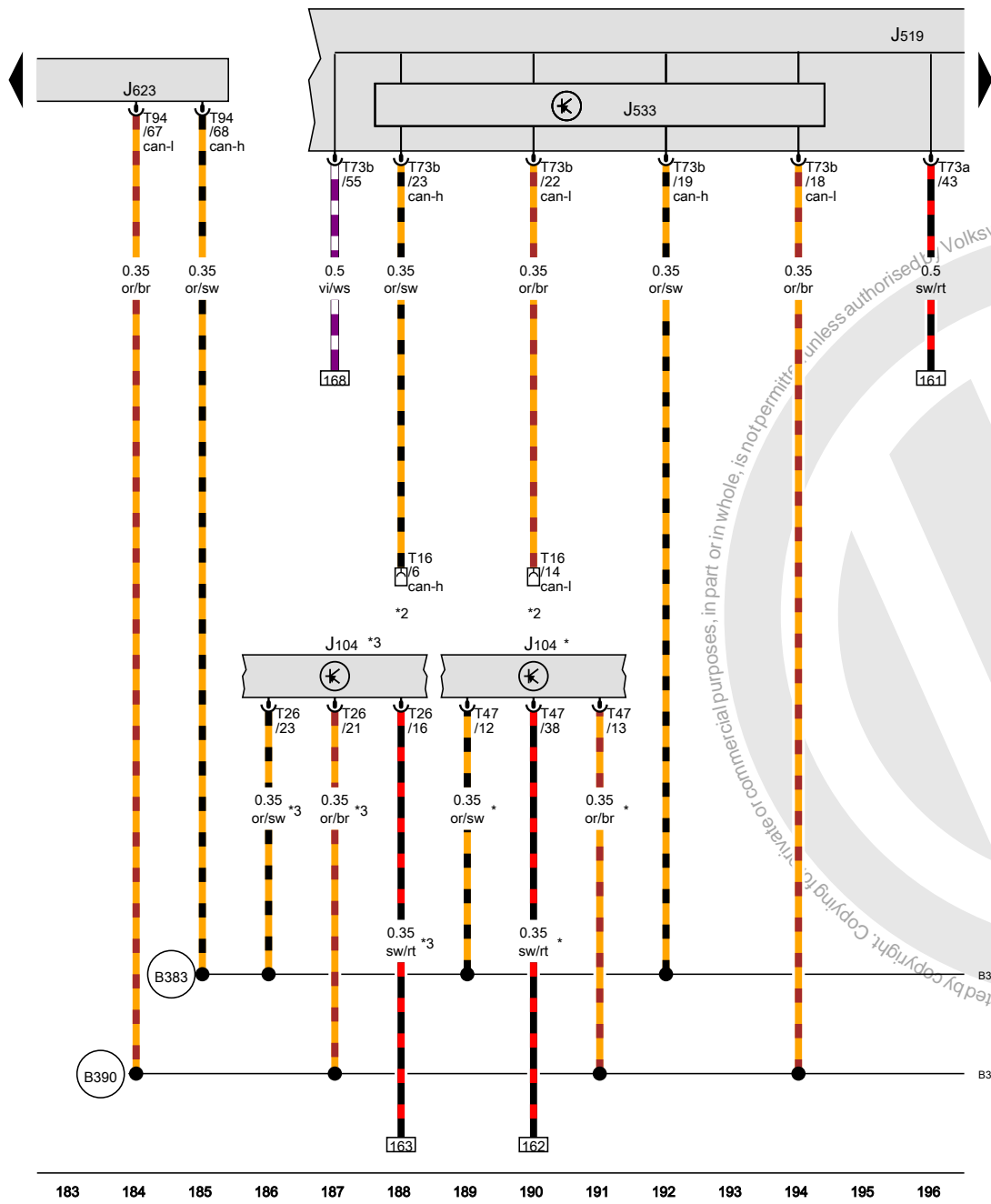
- G83 Radiator outlet coolant temperature sender
- J318 Vacuum pump relay
- J623 Engine control unit
- T2r 2-pin connector
- T4dp 4-pin connector
- T4y 4-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump
- V192 Vacuum pump for brakes

655 Earth point, on left headlight

* Only models with automatic gearbox



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



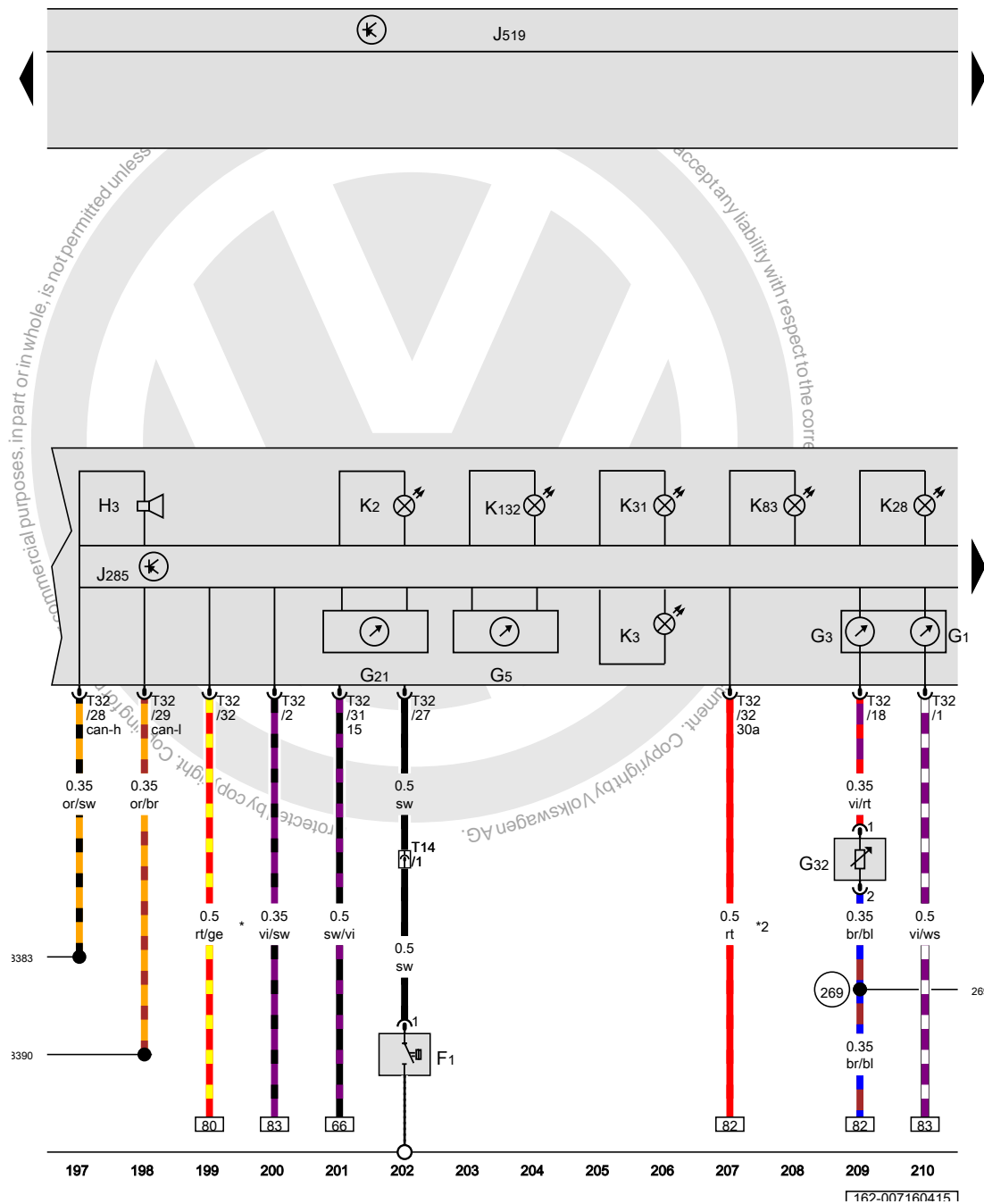
Onboard supply control unit, Data bus diagnostic interface, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T16 16-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Diagnostic connection
- *3 Only models with ABS and no ESP

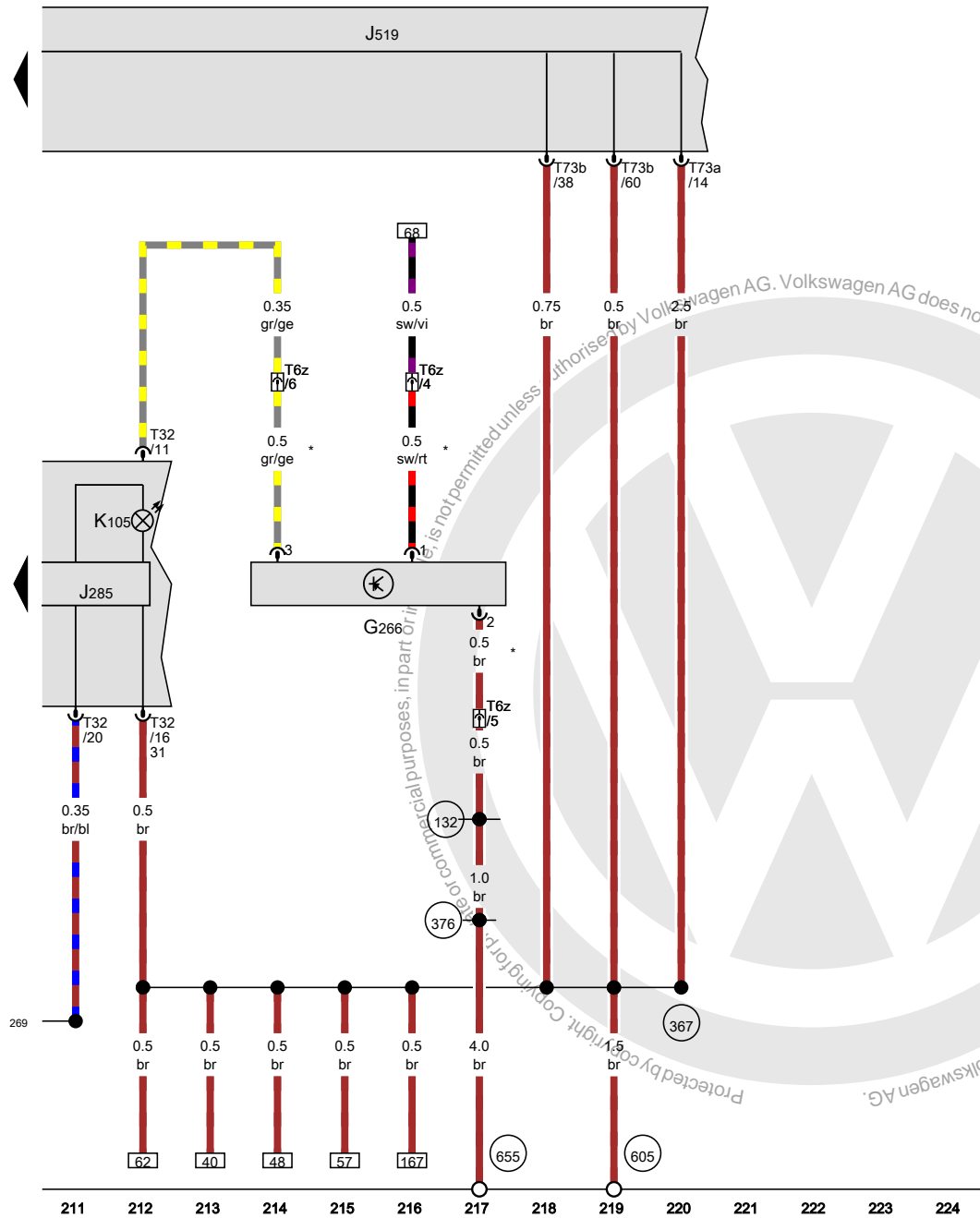
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
 - G1 Fuel gauge
 - G3 Coolant temperature gauge
 - G5 Rev. counter
 - G21 Speedometer
 - G32 Coolant shortage indicator sender
 - H3 Buzzer and gong
 - J285 Control unit in dash panel insert
 - J519 Onboard supply control unit
 - K2 Alternator warning lamp
 - K3 Oil pressure warning lamp
 - K28 Coolant temperature and coolant shortage warning lamp
 - K31 Cruise control system warning lamp
 - K83 Exhaust emissions warning lamp
 - K132 Electronic power control fault lamp
 - T14 14-pin connector, near starter
 - T32 32-pin connector
- (269) Earth connection (sender earth) 1, in dash panel wiring harness
 - (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
 - (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Gradually discontinued
 - *2 gradual introduction

ws = white
 sw = black
 ro = red
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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Control unit in dash panel insert, Onboard supply control unit, Reserve fuel warning lamp

- G266 Oil level and oil temperature sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K105 Reserve fuel warning lamp
- T6z 6-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight

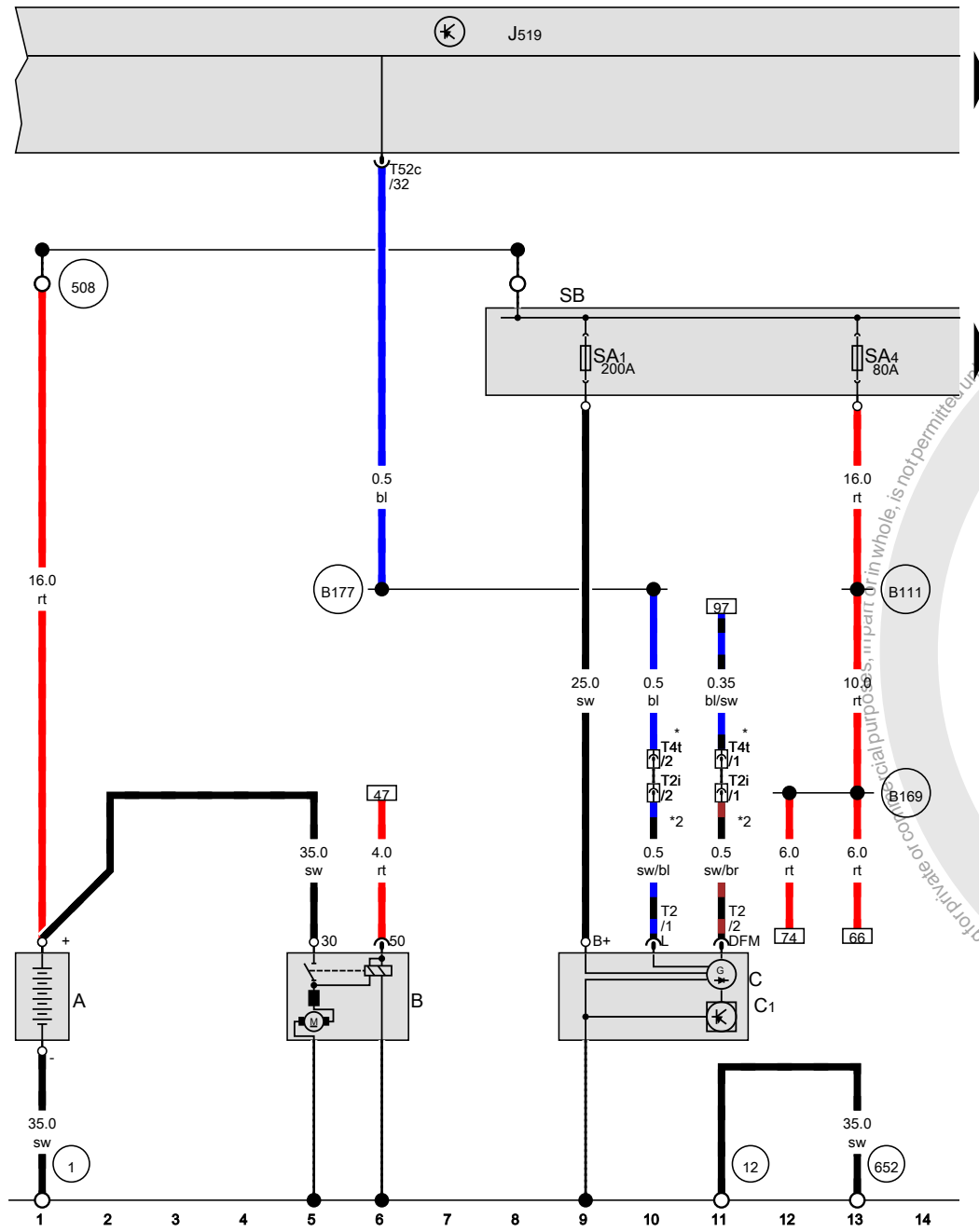
* Only models with flexible service interval display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

2.0l petrol engine , CBPA,(AW1)

From April 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

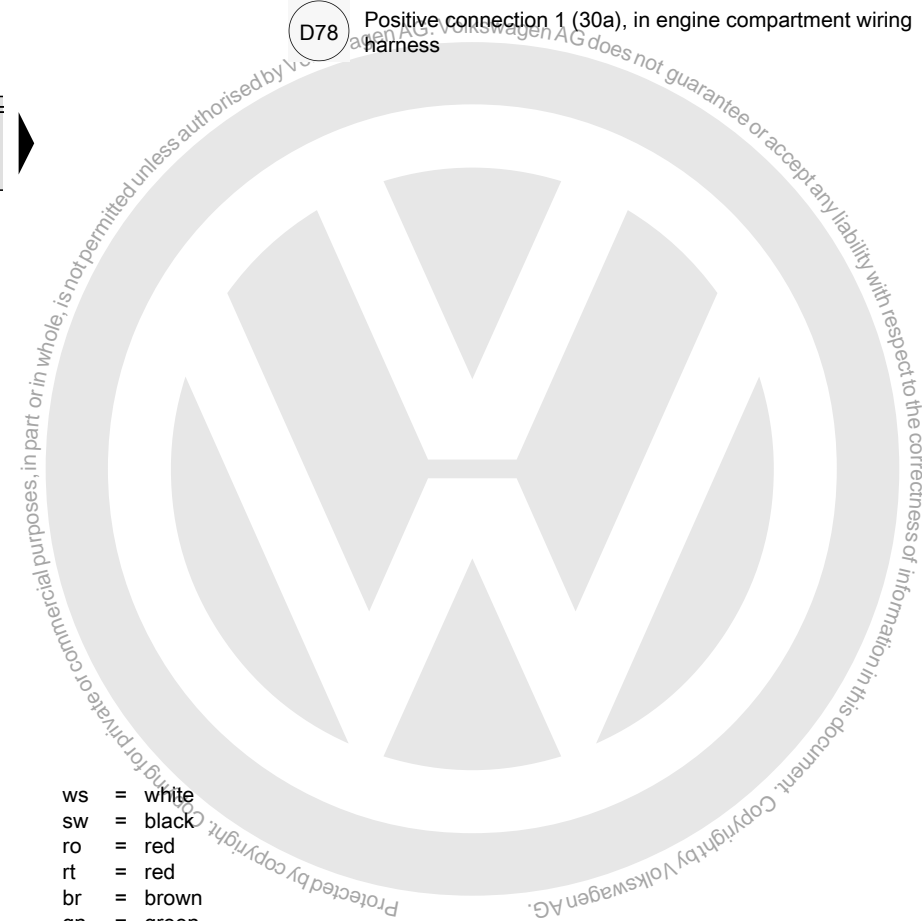
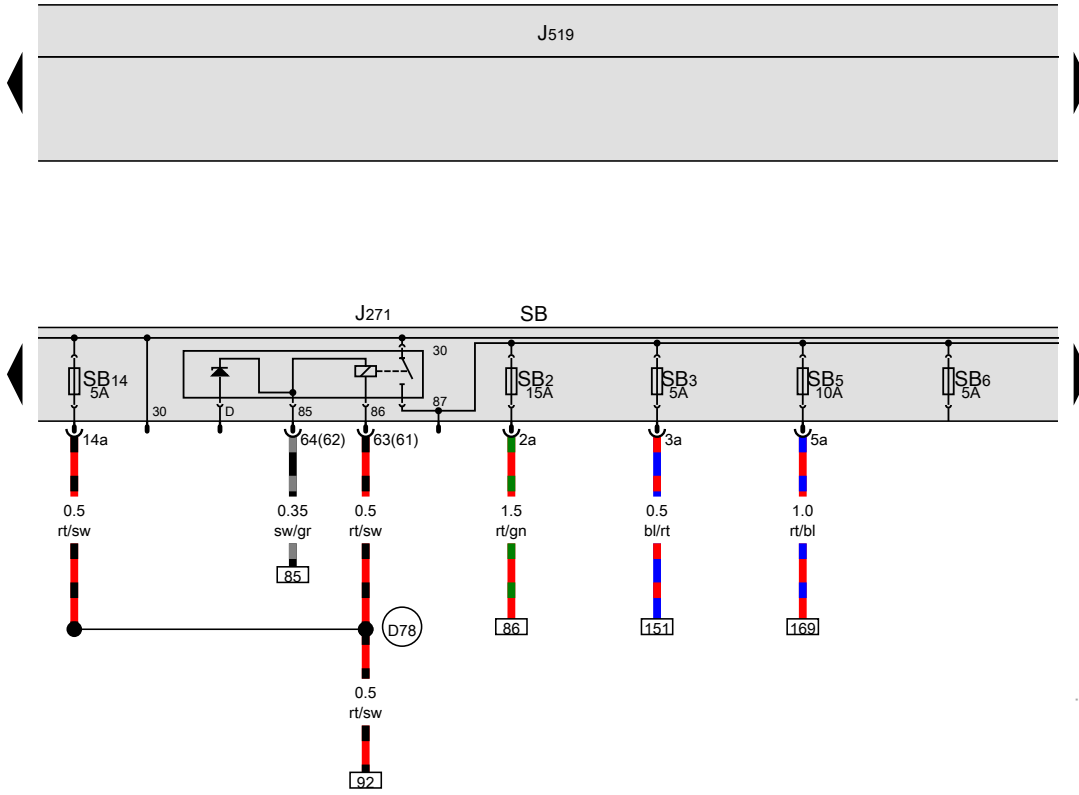
- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-008020415

Main relay, Onboard supply control unit, Fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness



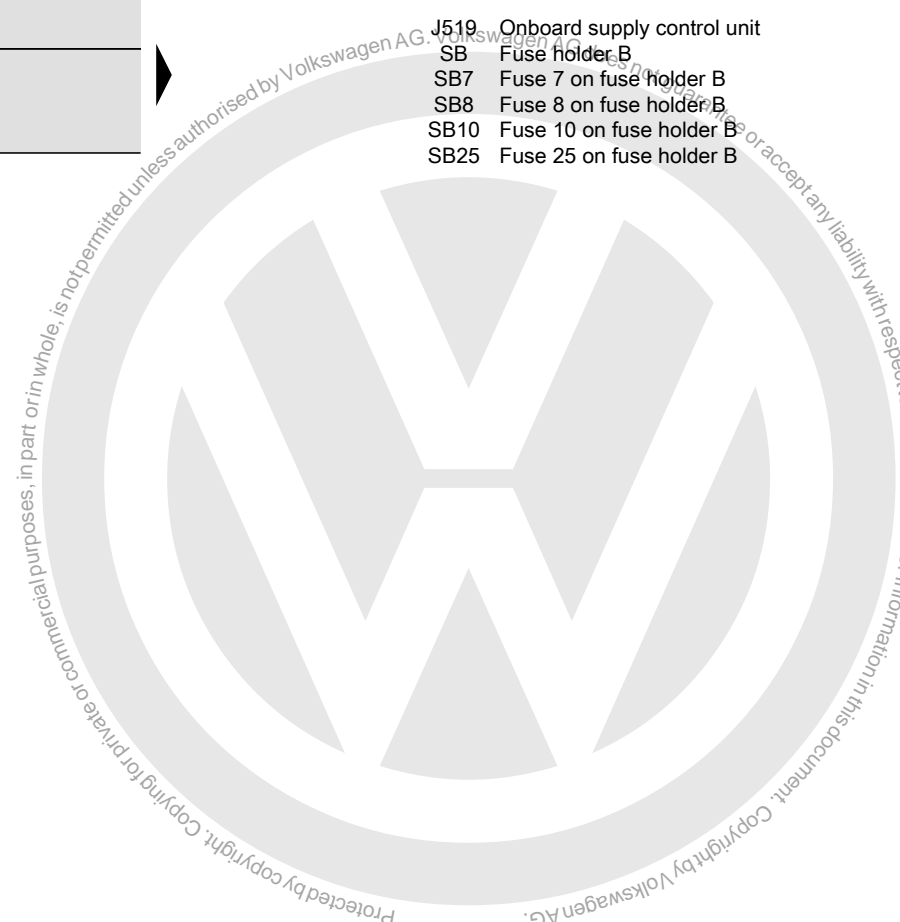
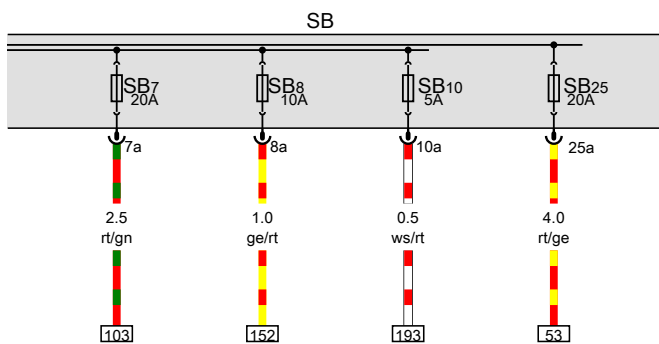
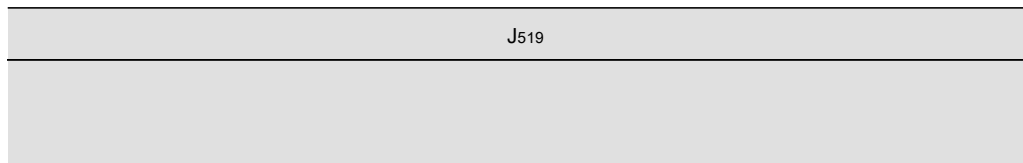
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-008030415

Onboard supply control unit, Fuse holder B

- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B

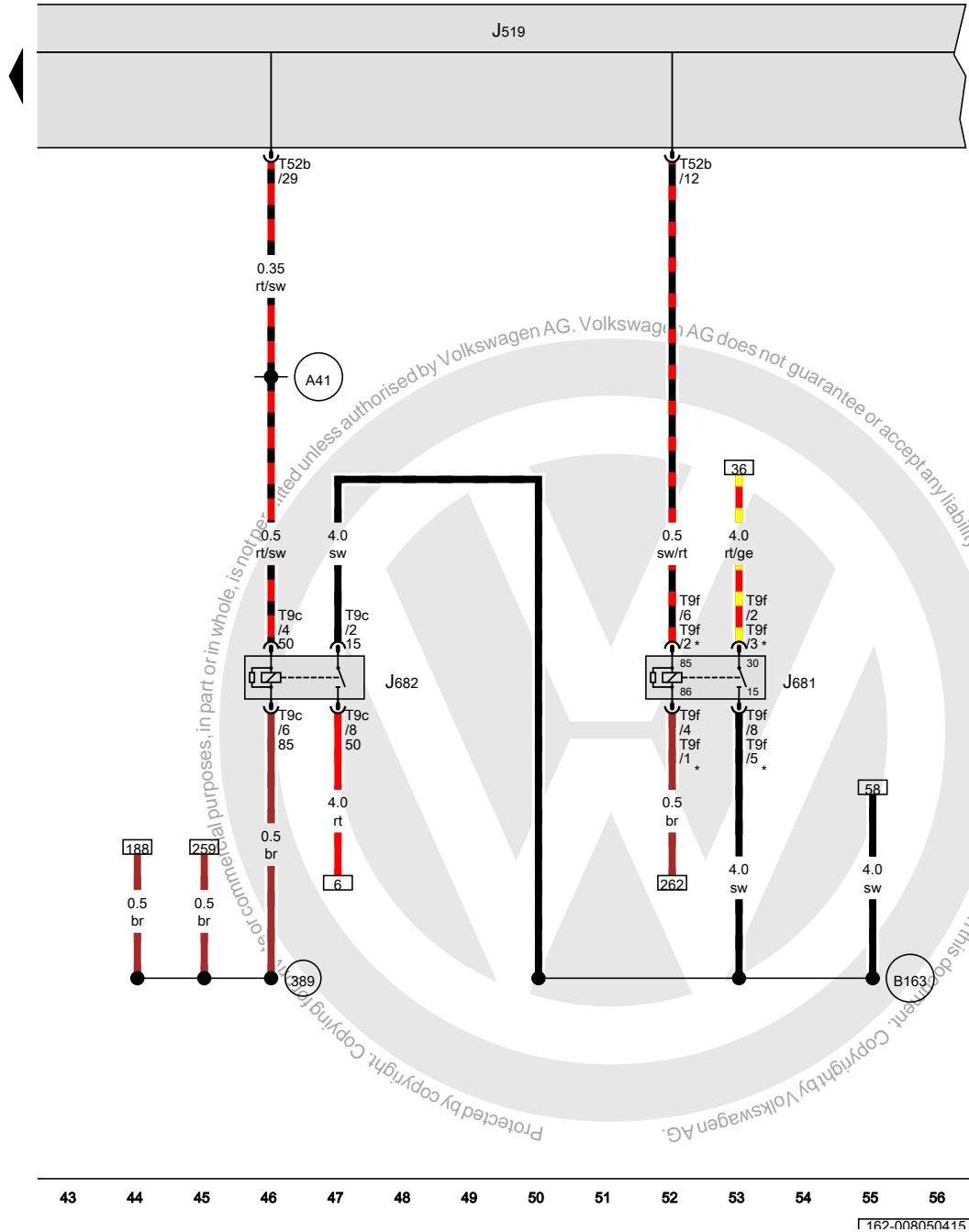


- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

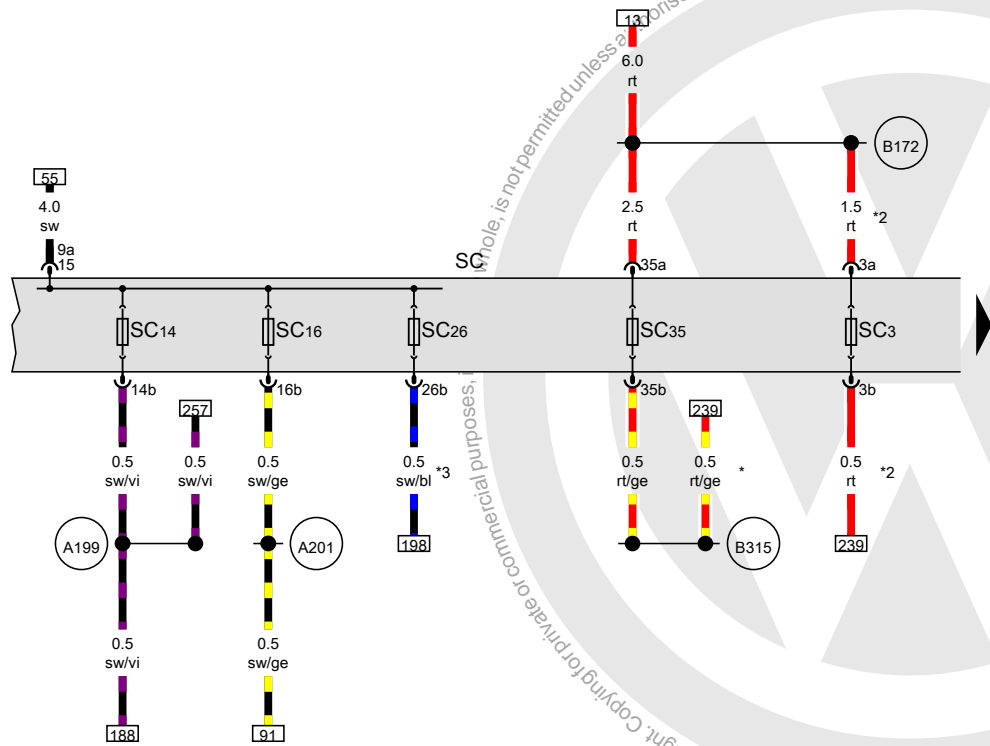
43 44 45 46 47 48 49 50 51 52 53 54 55 56

162-008050415

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * Gradually discontinued
- *2 gradual introduction
- *3 Only models with automatic gearbox

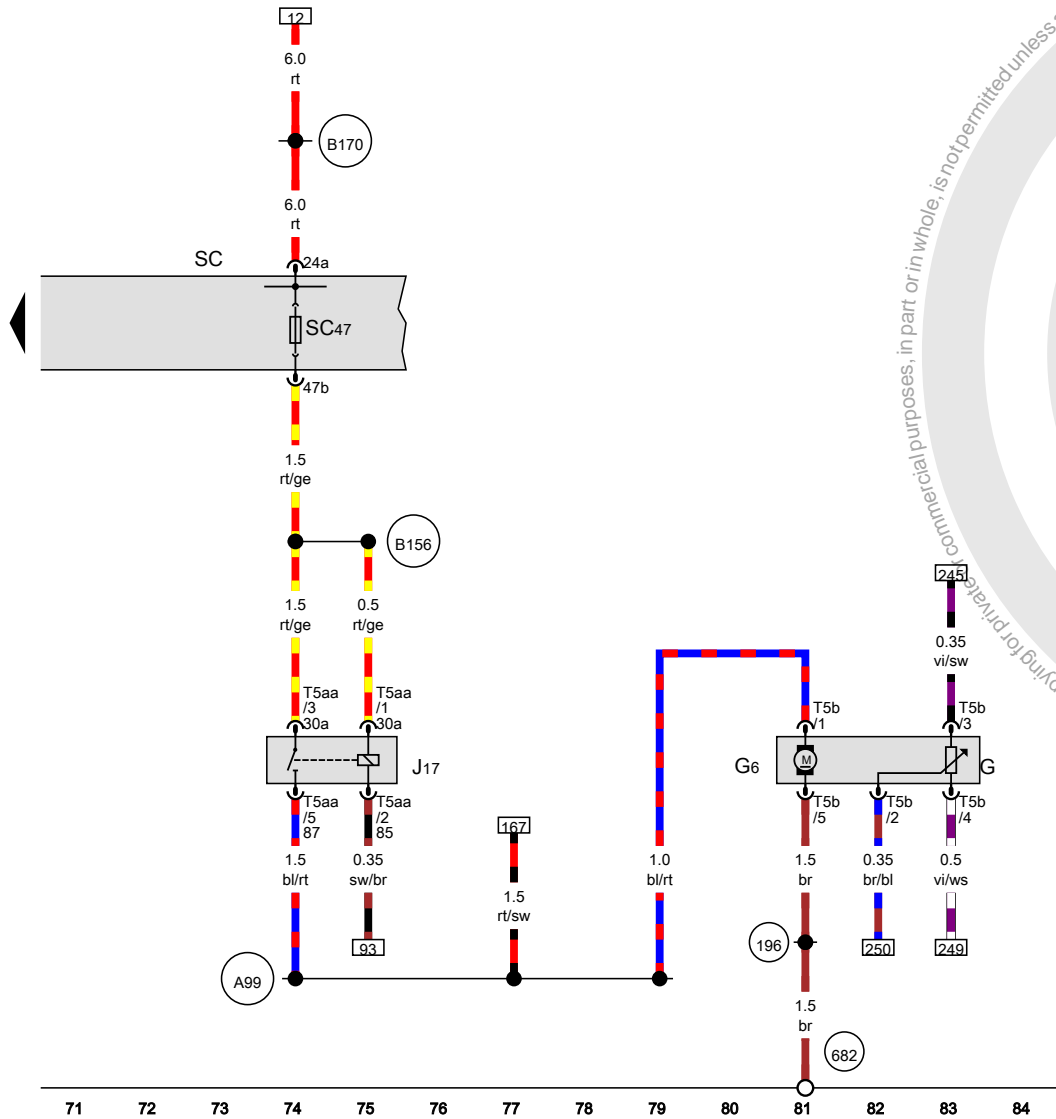


- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness



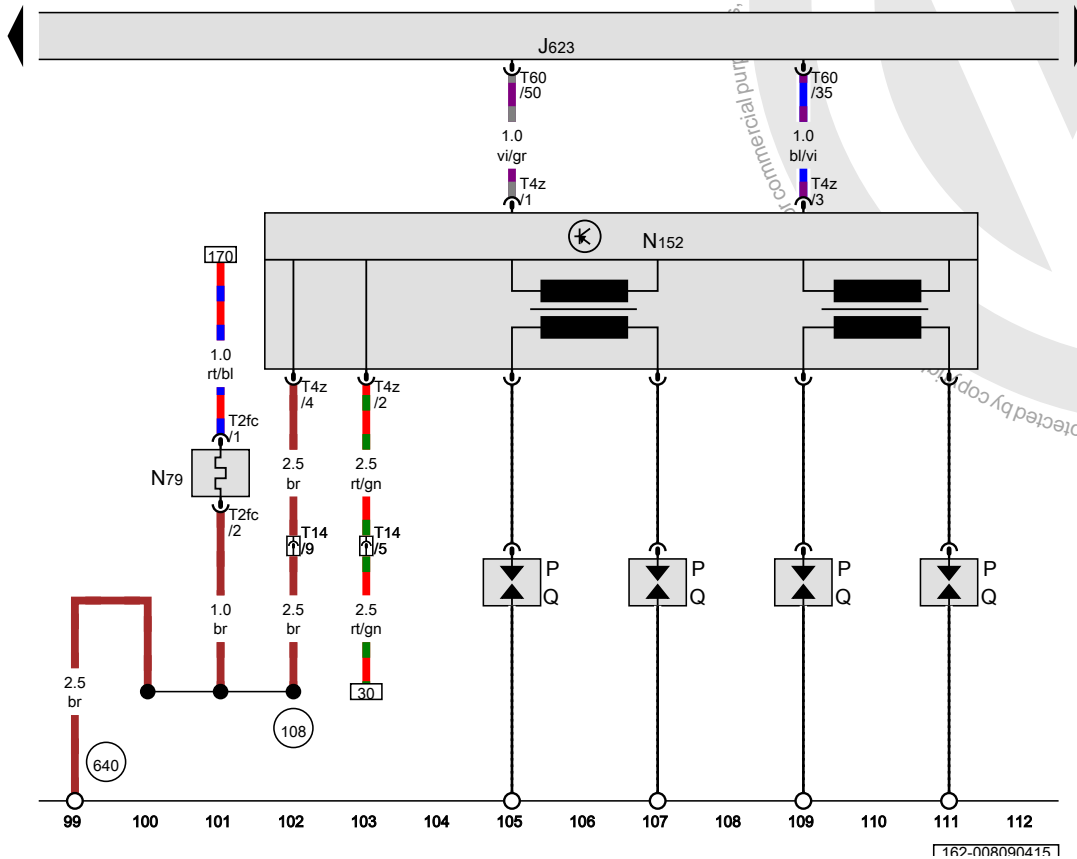
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-008070415

Engine control unit, Spark plug connector, Spark plugs

- J623 Engine control unit
- N79 Heater element for crankcase breather
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T2fc 2-pin connector
- T4z 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 108 Earth connection 2, in front left wiring harness
- 640 Earth point 2, left in engine compartment

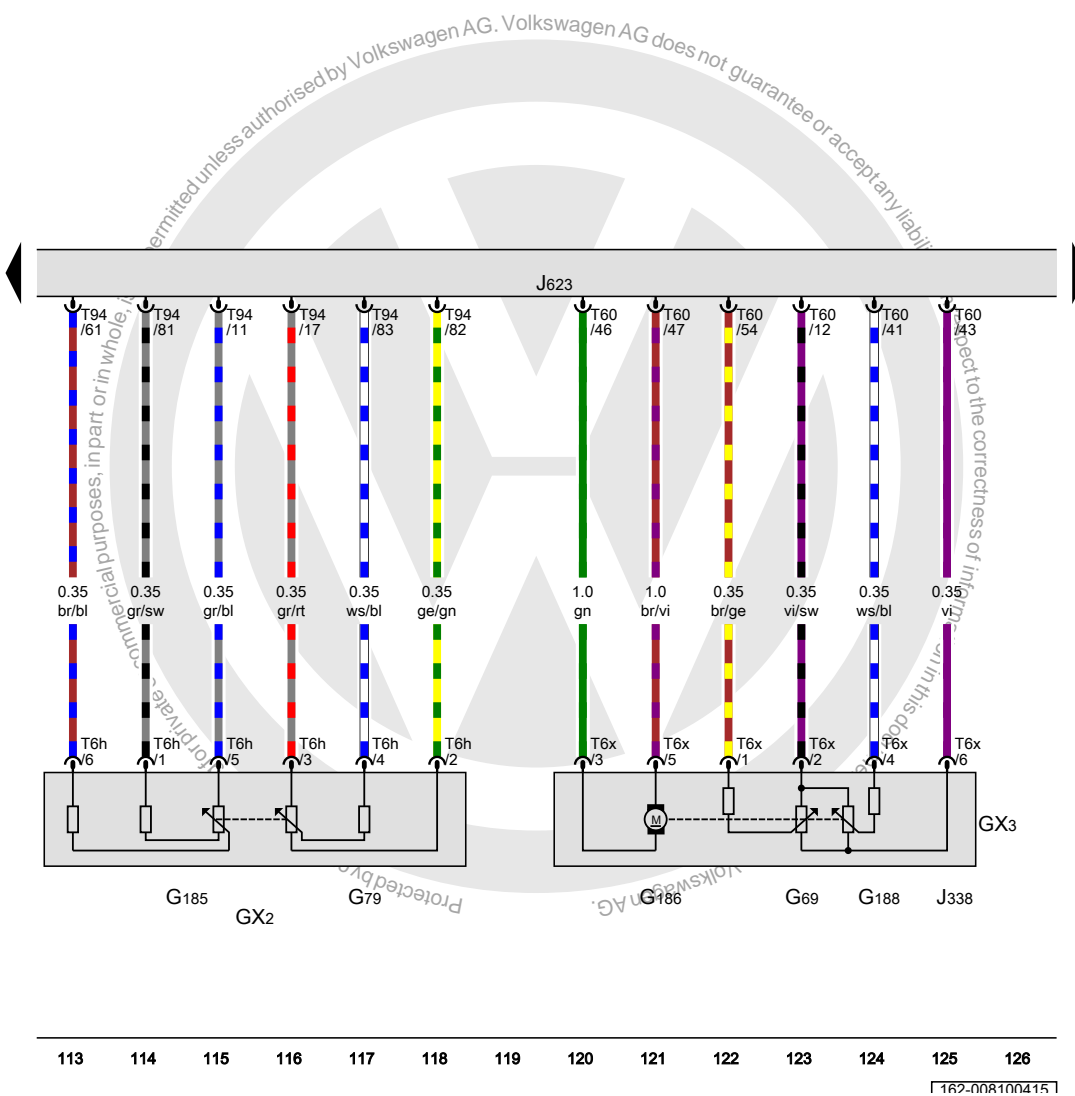


- ws = white
- sw = black
- ro = red
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- br = brown
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-008090415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Throttle valve drive for electric throttle, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G69 Throttle valve potentiometer
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector



- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

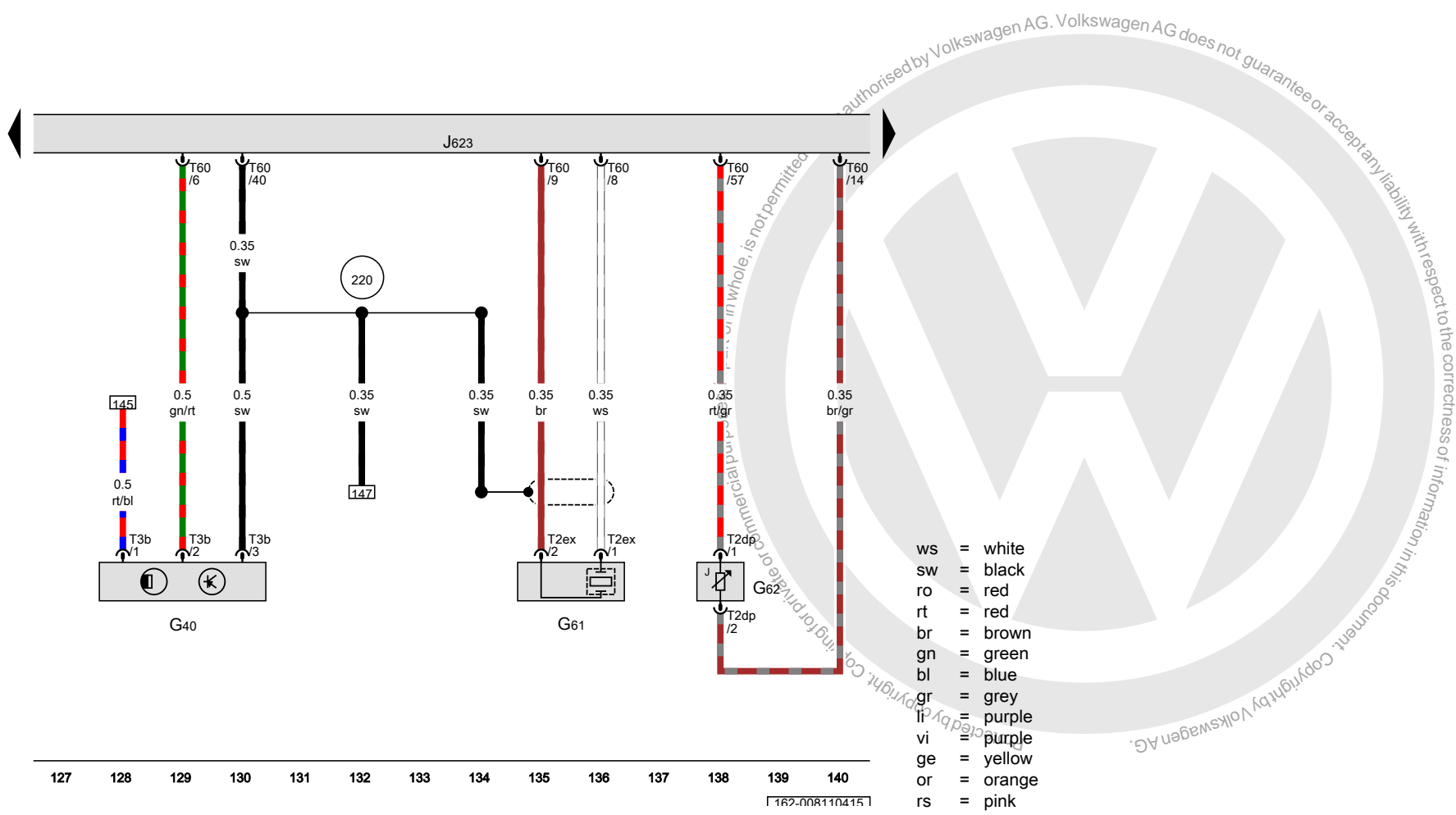
113 114 115 116 117 118 119 120 121 122 123 124 125 126

[162-008100415]

Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3b 3-pin connector
- T60 60-pin connector

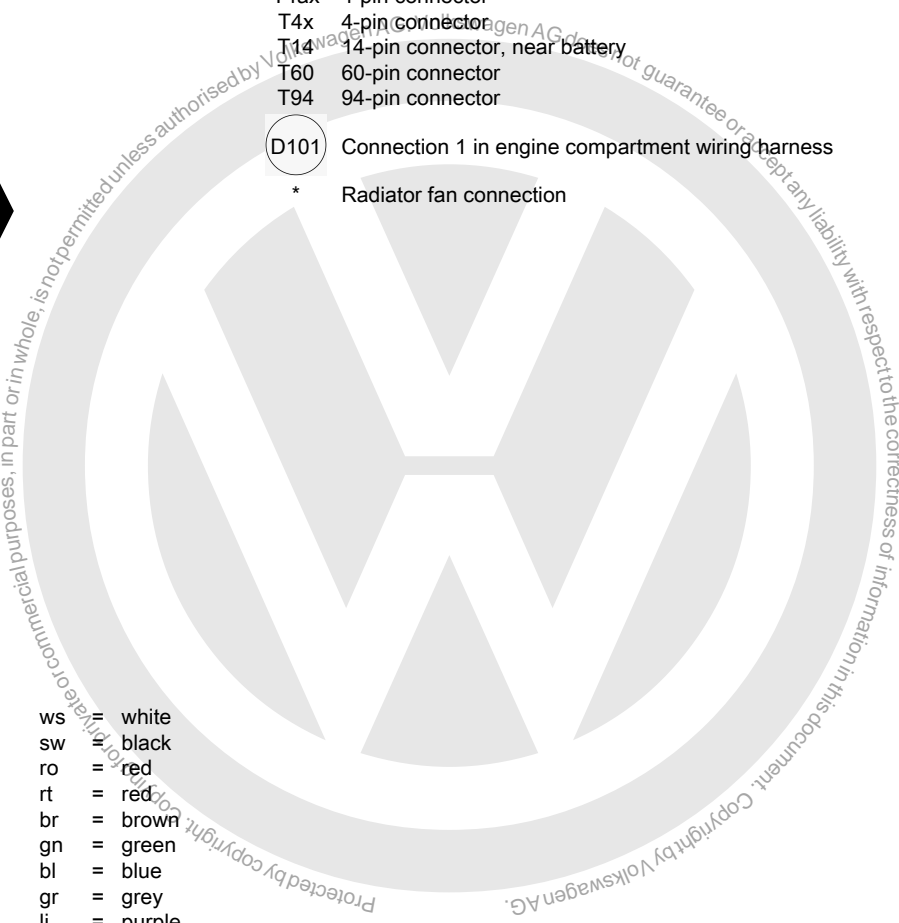
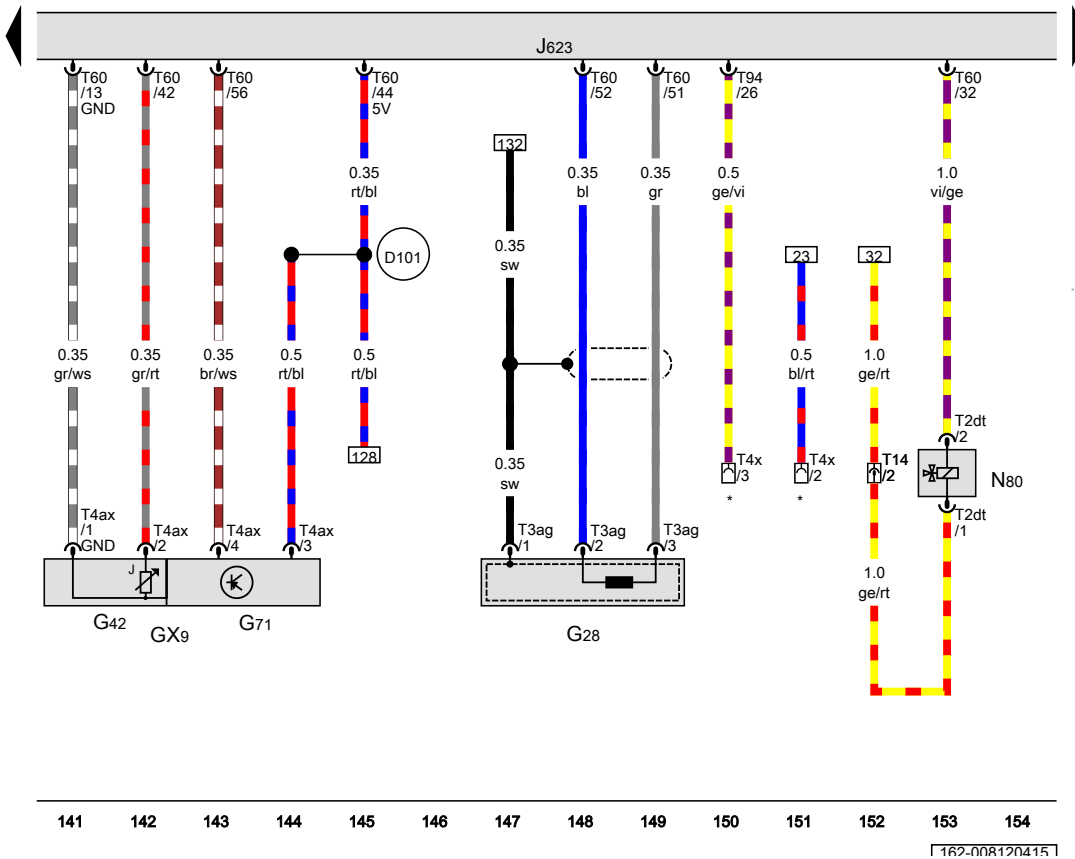
220 Earth connection (sender earth), in engine wiring harness



Intake manifold sender, Engine speed sender, Intake air temperature sender, Engine control unit, Activated charcoal filter solenoid valve 1

- GX9 Intake manifold sender
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- T2dt 2-pin connector
- T3ag 3-pin connector
- T4ax 4-pin connector
- T4x 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

- D101 Connection 1 in engine compartment wiring harness
- * Radiator fan connection



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- li = purple
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141 142 143 144 145 146 147 148 149 150 151 152 153 154

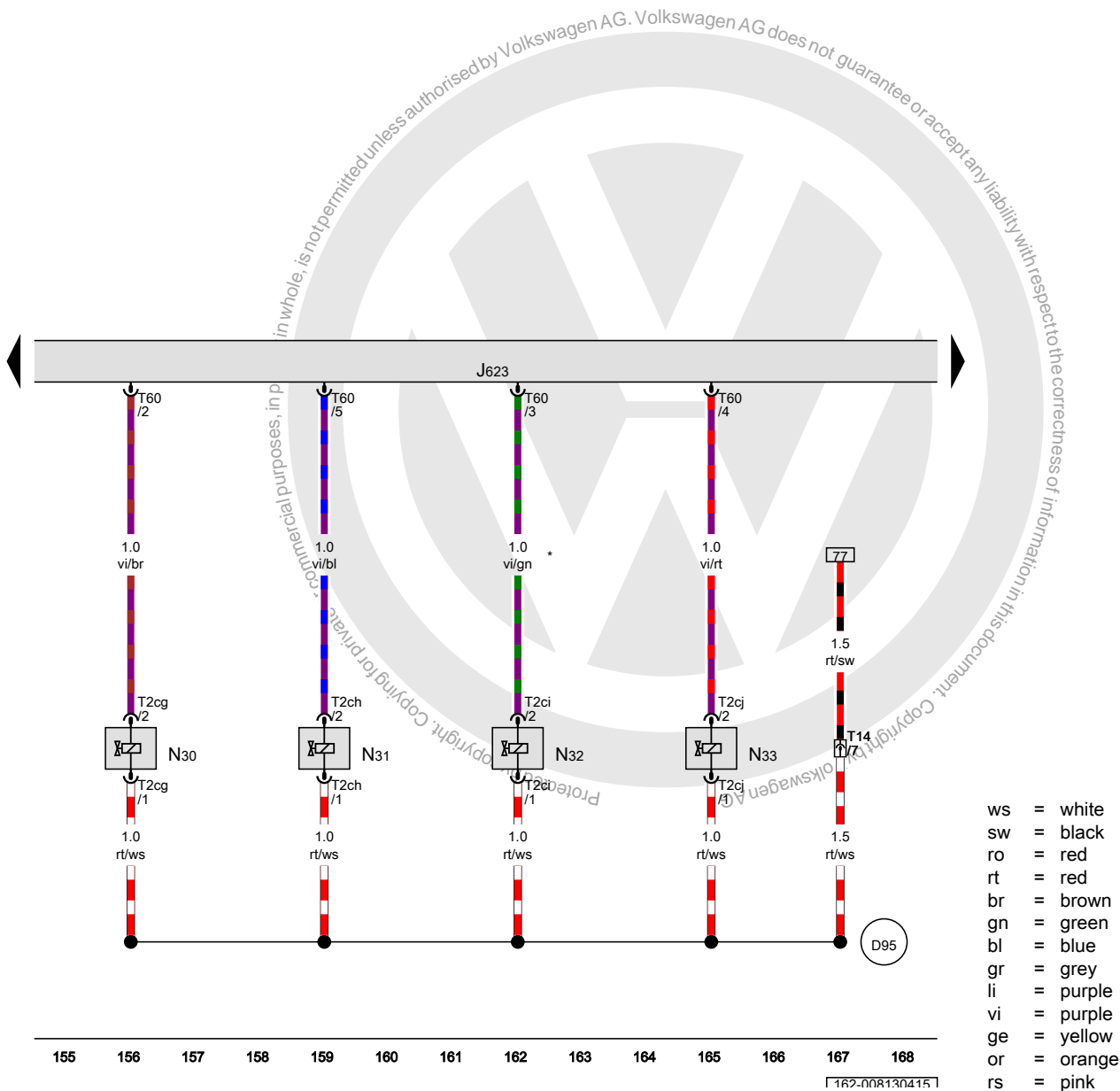
[162-008120415]

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

D95 Connection (injectors), in engine compartment wiring harness

* Wiring colour depends on equipment



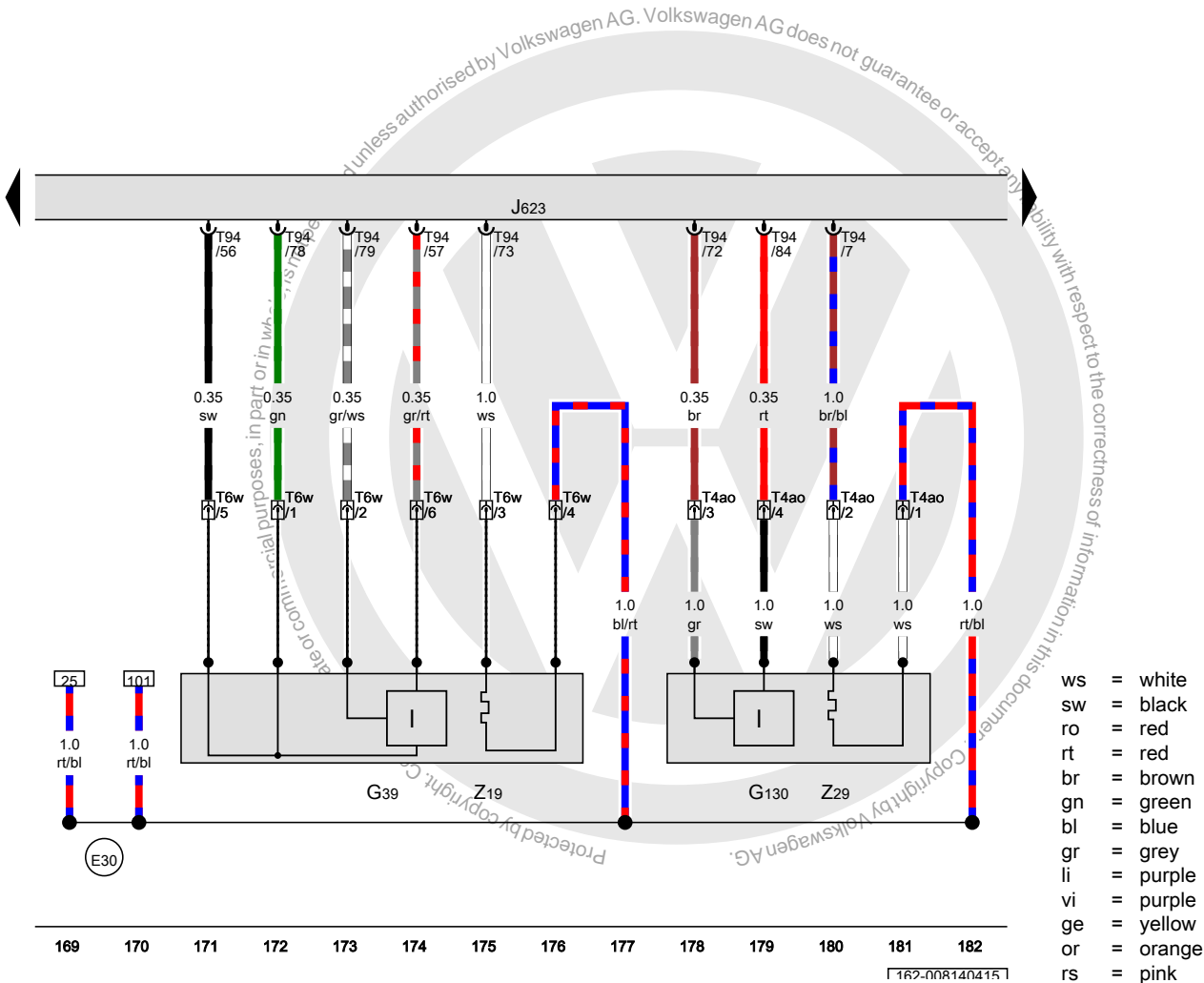
155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-008130415

Lambda probe, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness



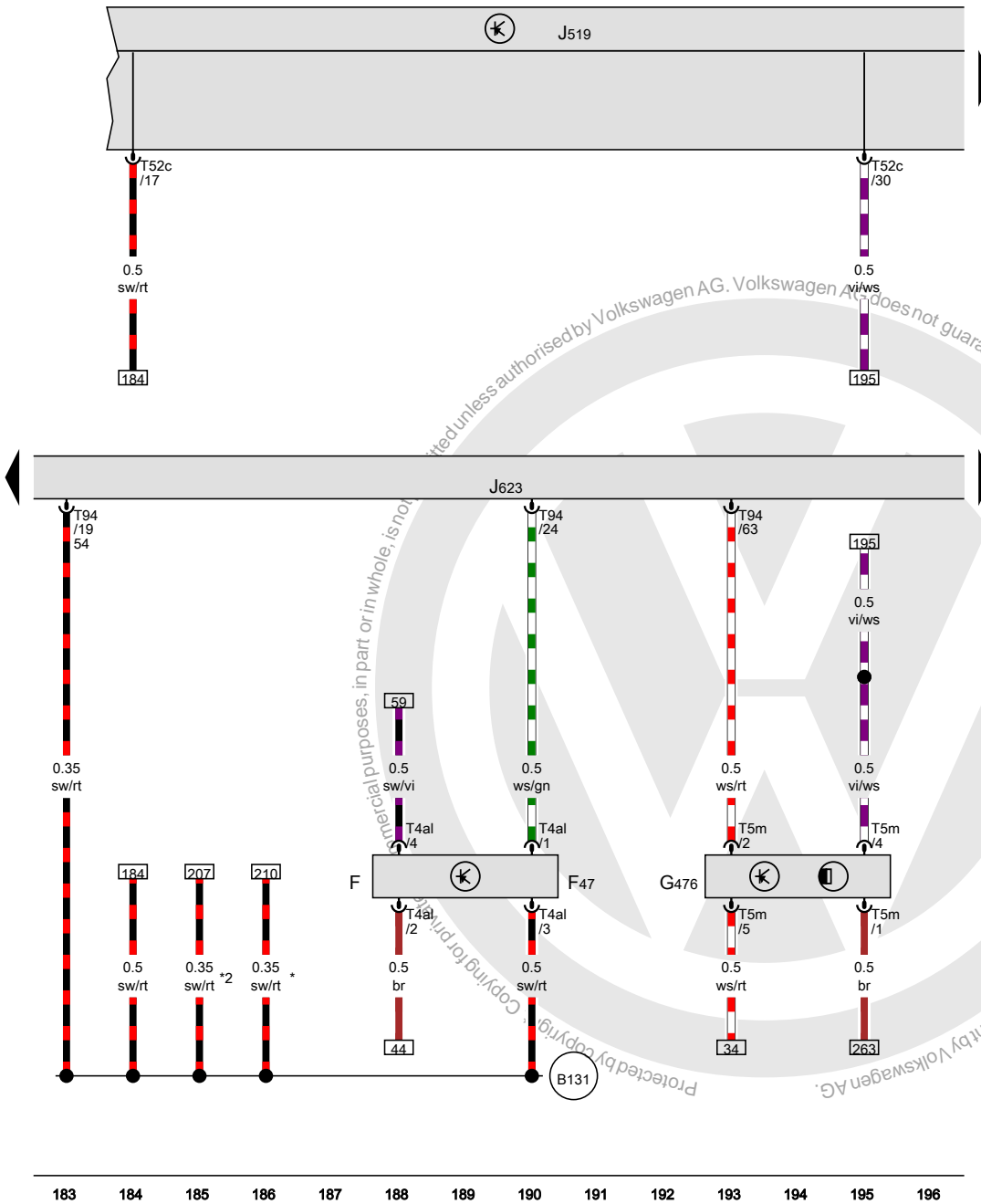
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with ABS and no ESP



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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

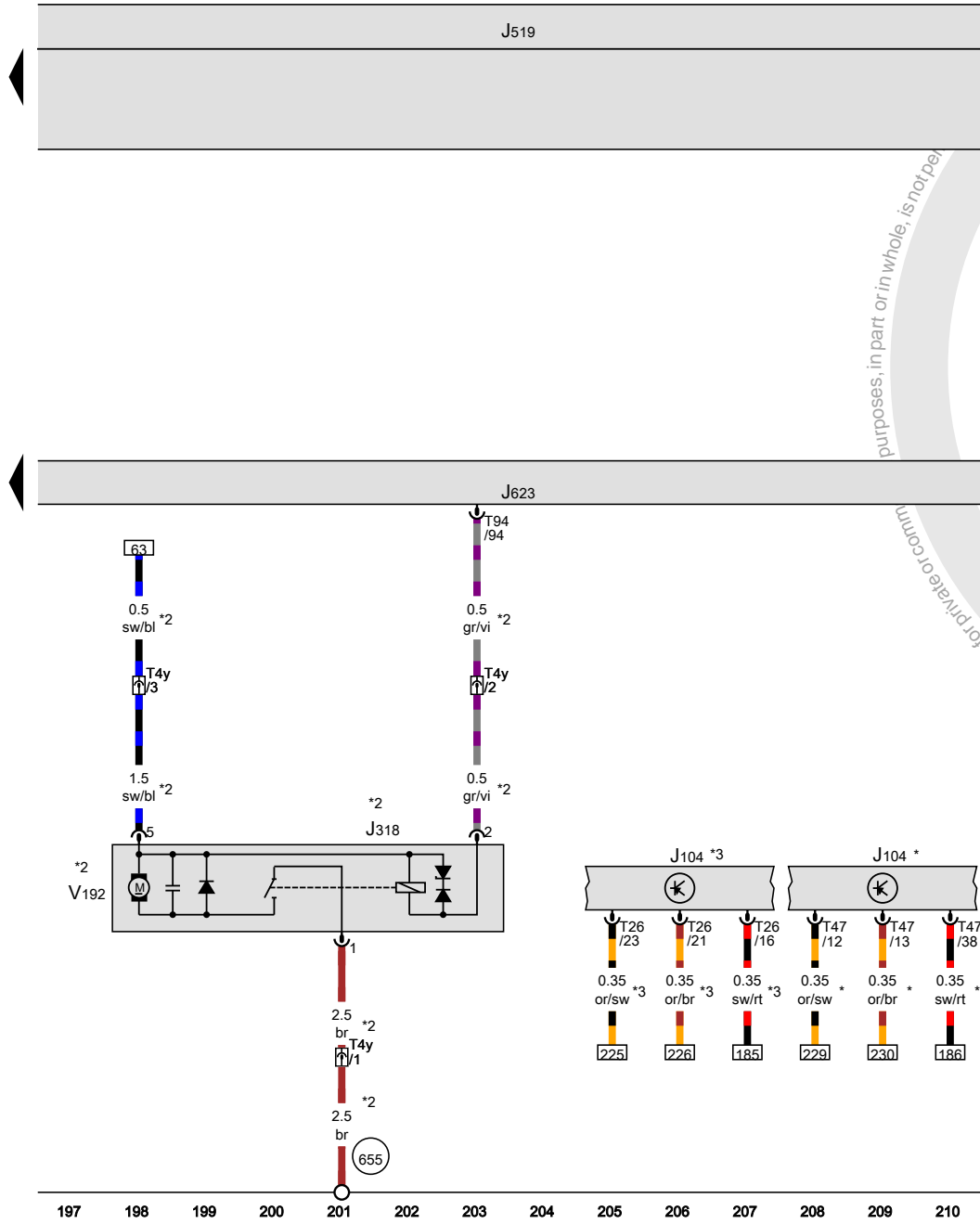
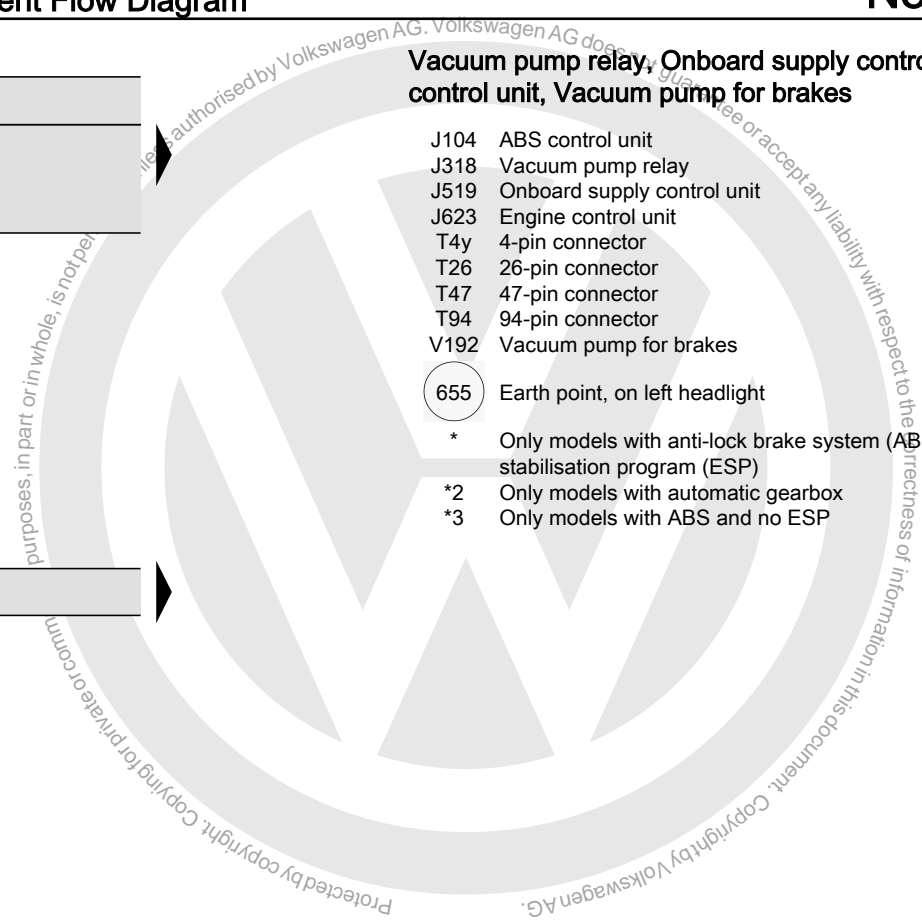
162-008150415

Vacuum pump relay, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- J104 ABS control unit
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit
- T4y 4-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes

655 Earth point, on left headlight

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with automatic gearbox
- *3 Only models with ABS and no ESP



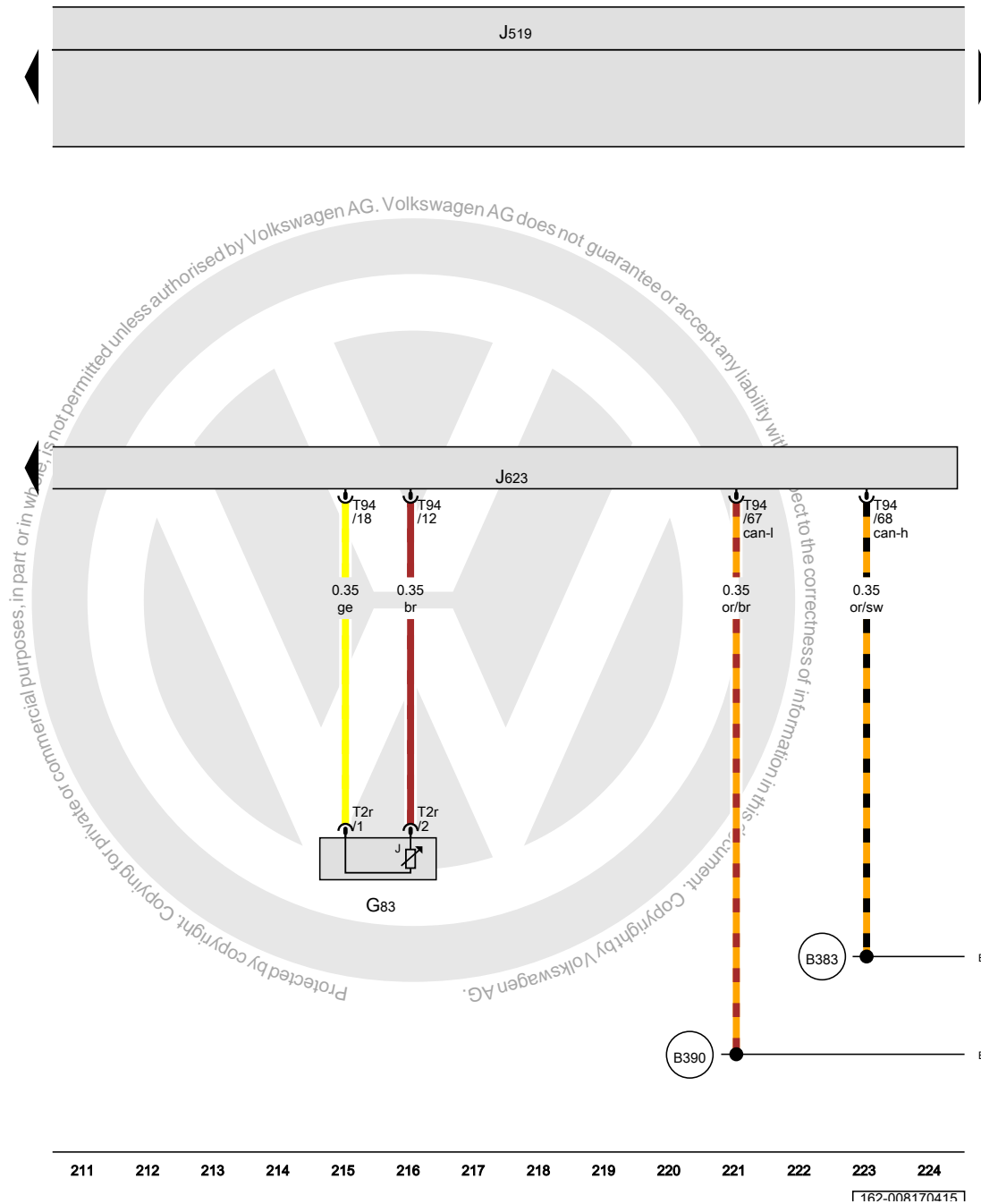
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- sw = black
- ro = red
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- vi = purple
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Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit

- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T2r 2-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

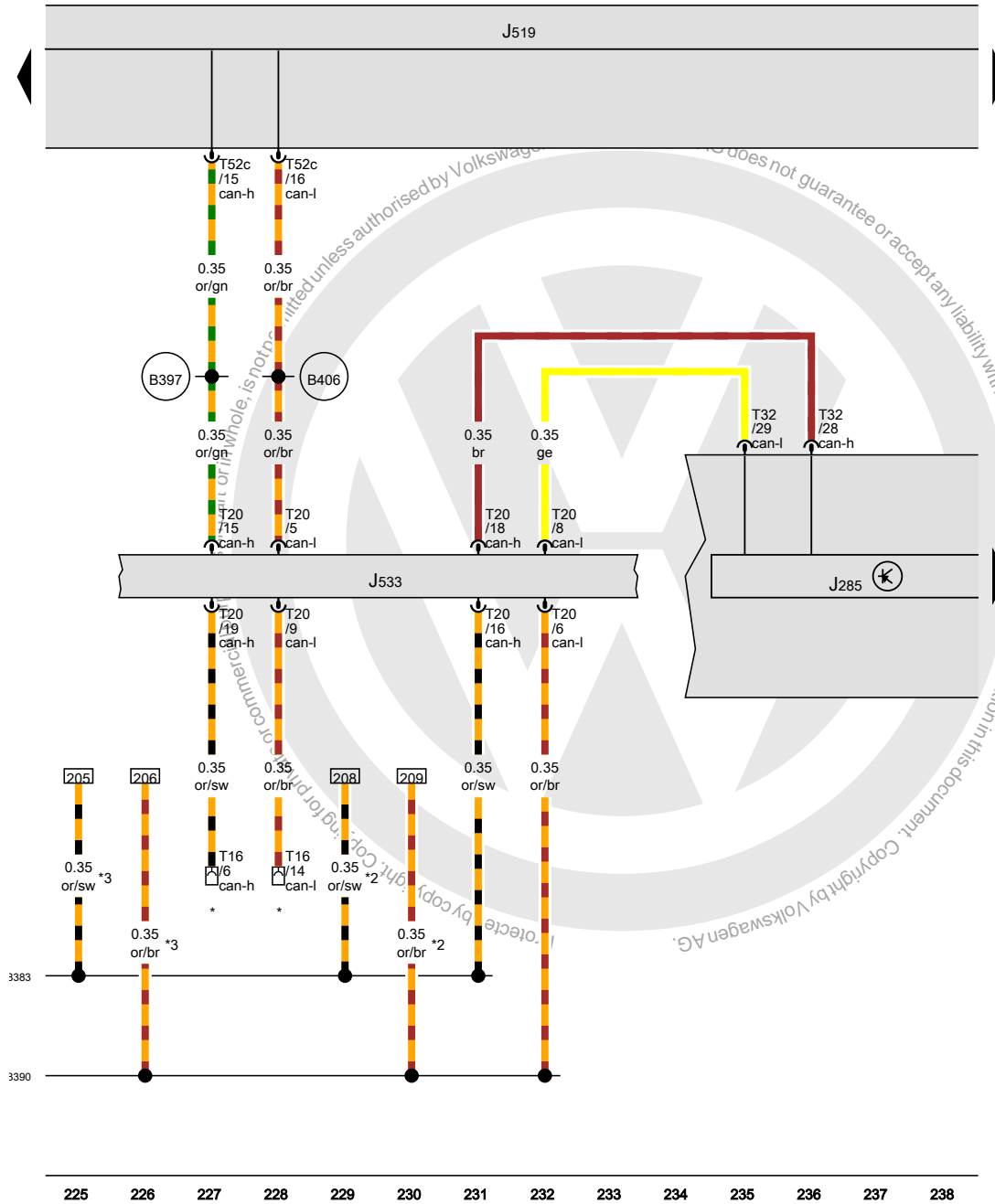
B390 Connection 1 (powertrain CAN bus, low), in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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211 212 213 214 215 216 217 218 219 220 221 222 223 224

162-008170415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

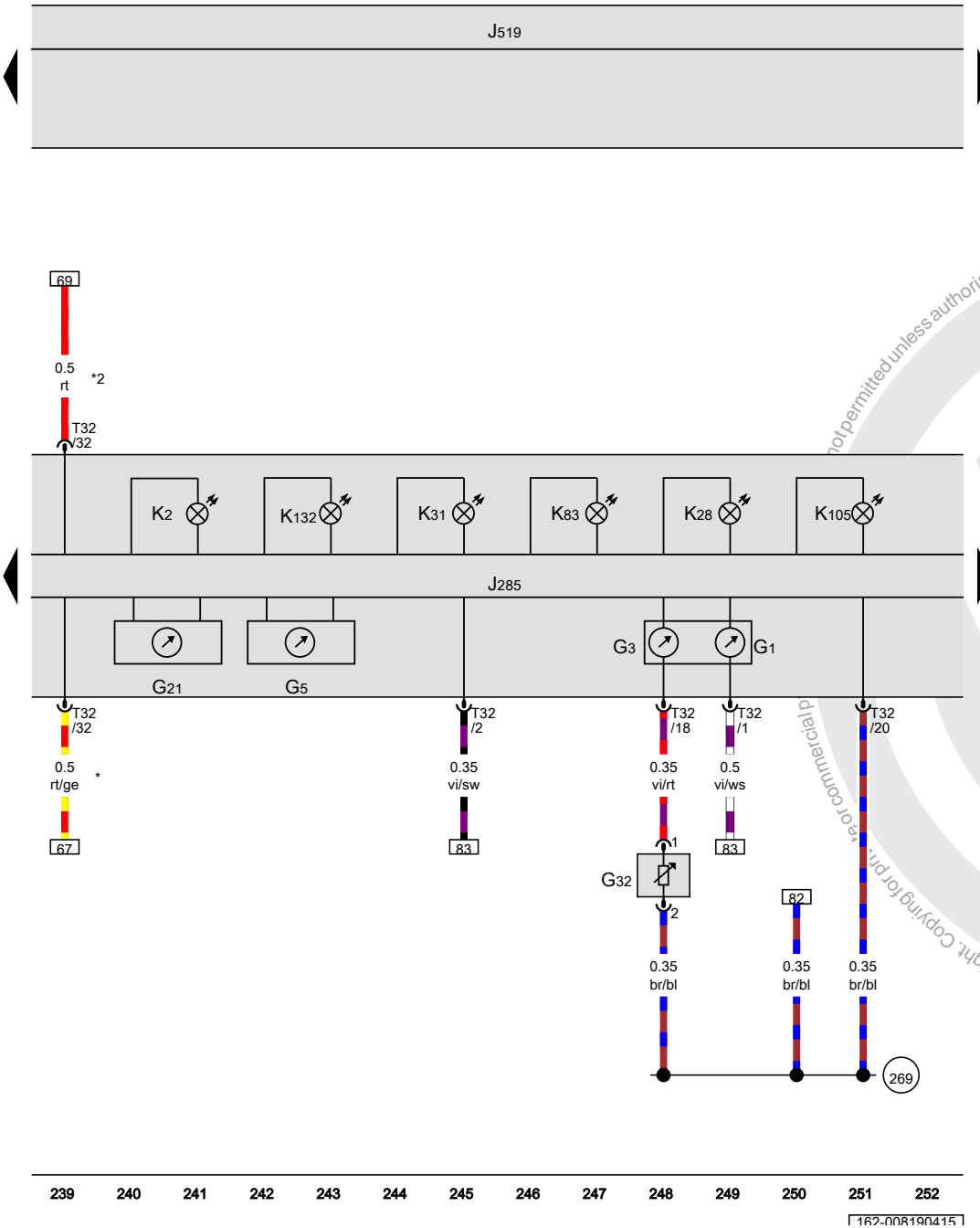
162-008180415

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness

* Gradually discontinued
*2 gradual introduction



239 240 241 242 243 244 245 246 247 248 249 250 251 252

162-008190415

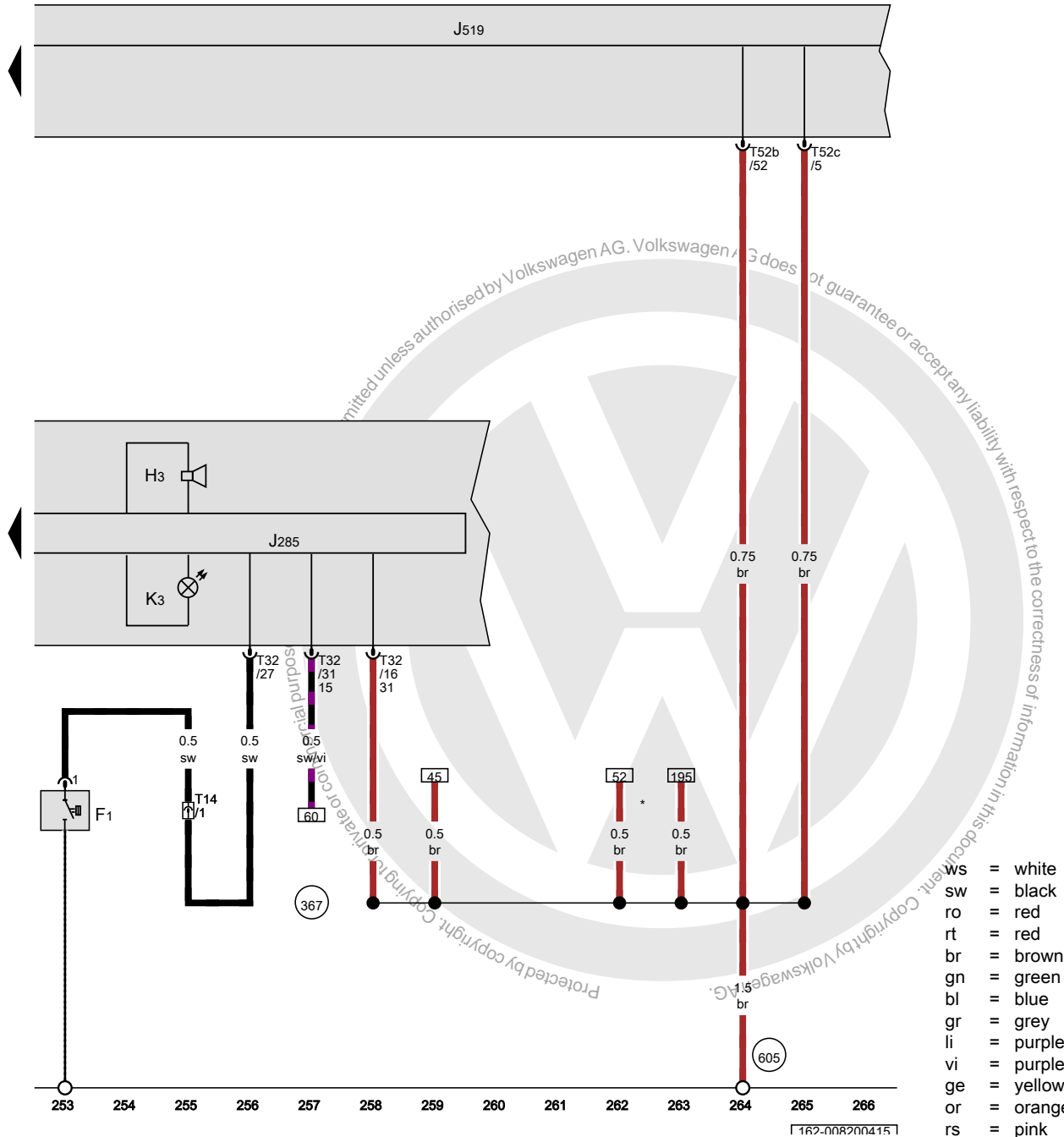
Oil pressure switch, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

367 Earth connection 2, in main wiring harness

605 Earth point, on top end of steering column

* gradual introduction

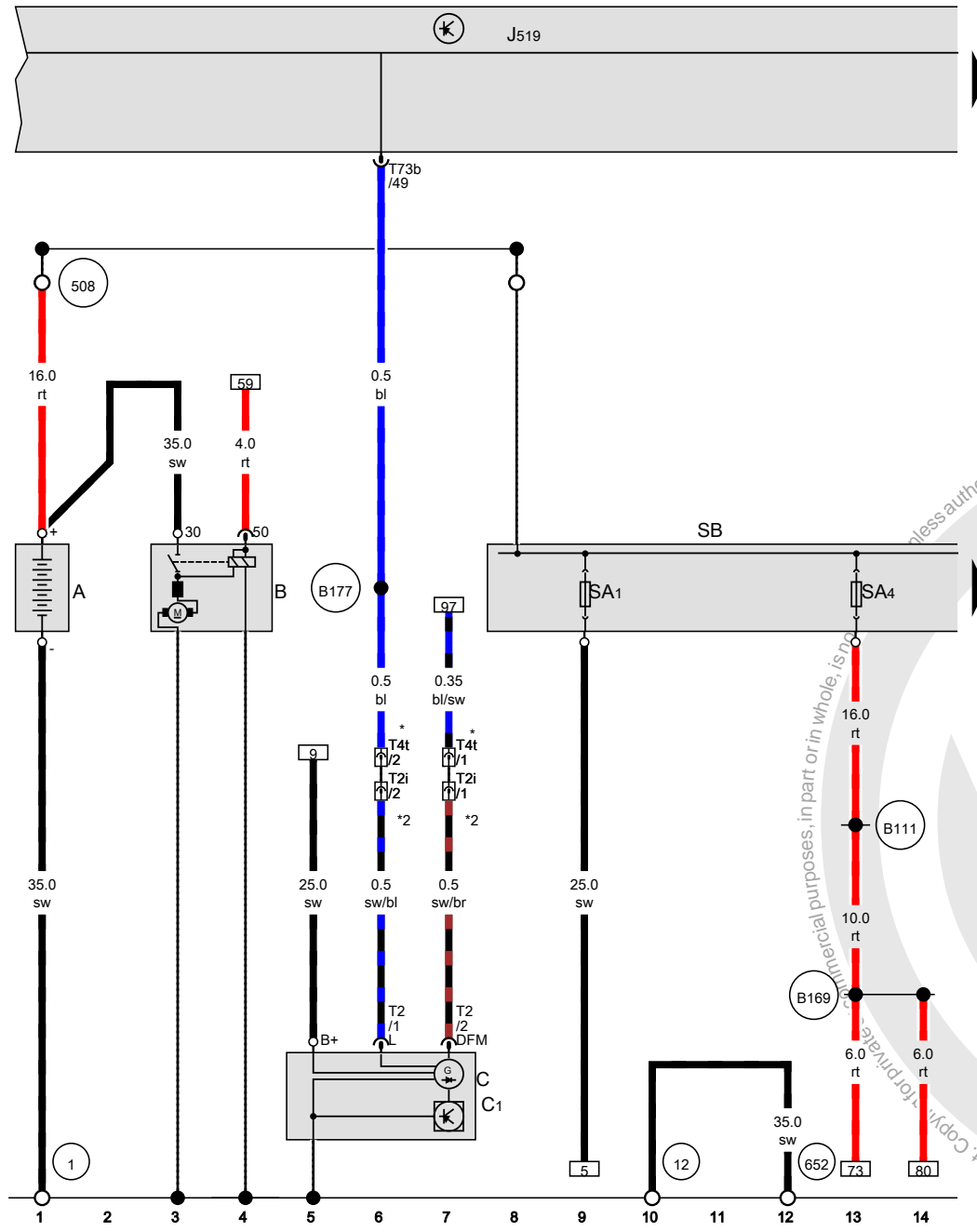


162-008200415

2.5l petrol engine , CBTA,CBUA,(AW0)

From April 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

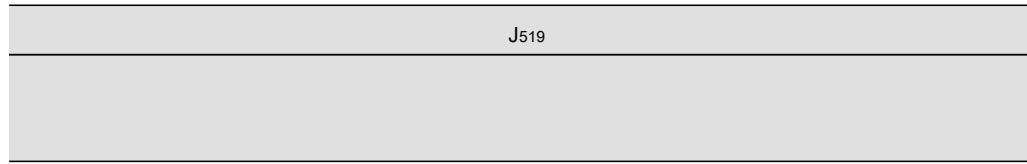
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

* Only models with air conditioning system
 *2 Only models with no air conditioning system

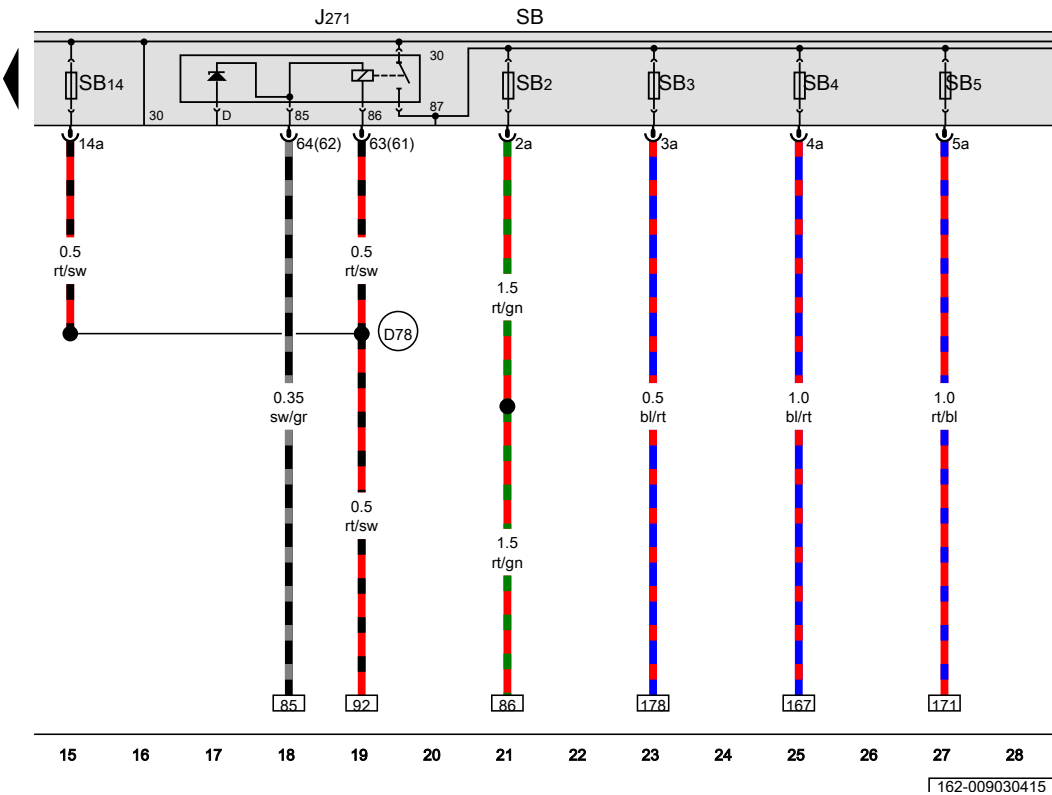
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-009020415



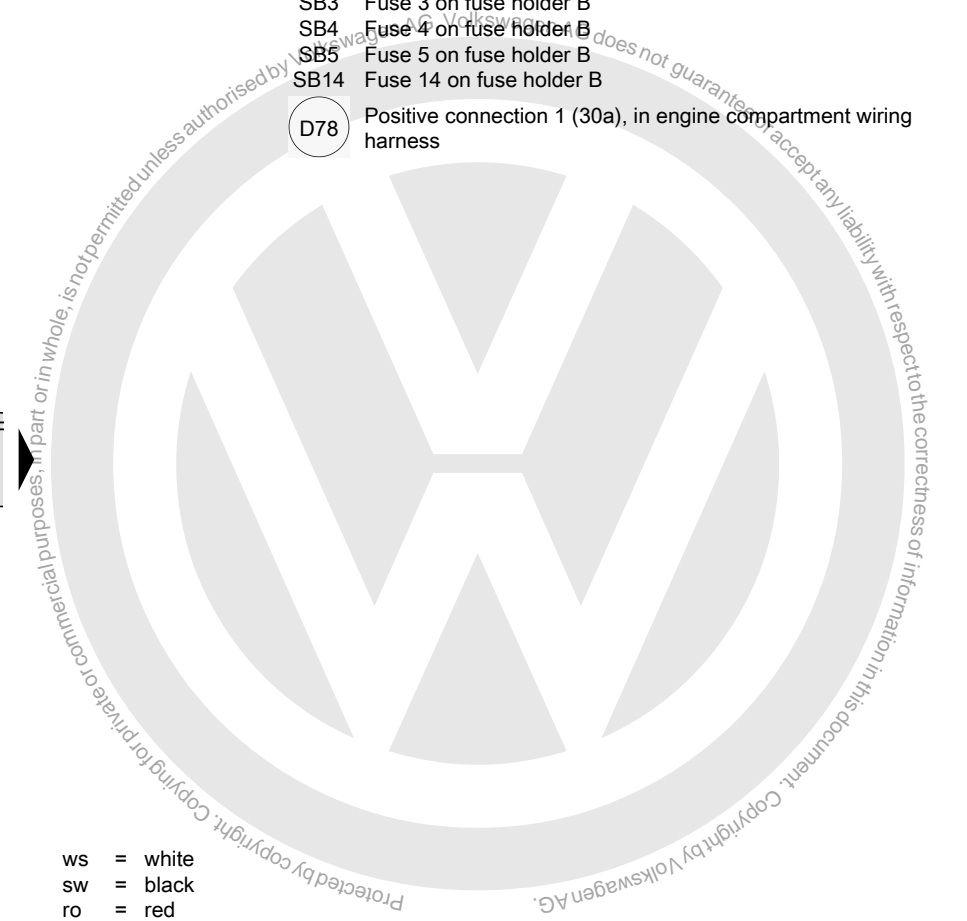
Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-009030415

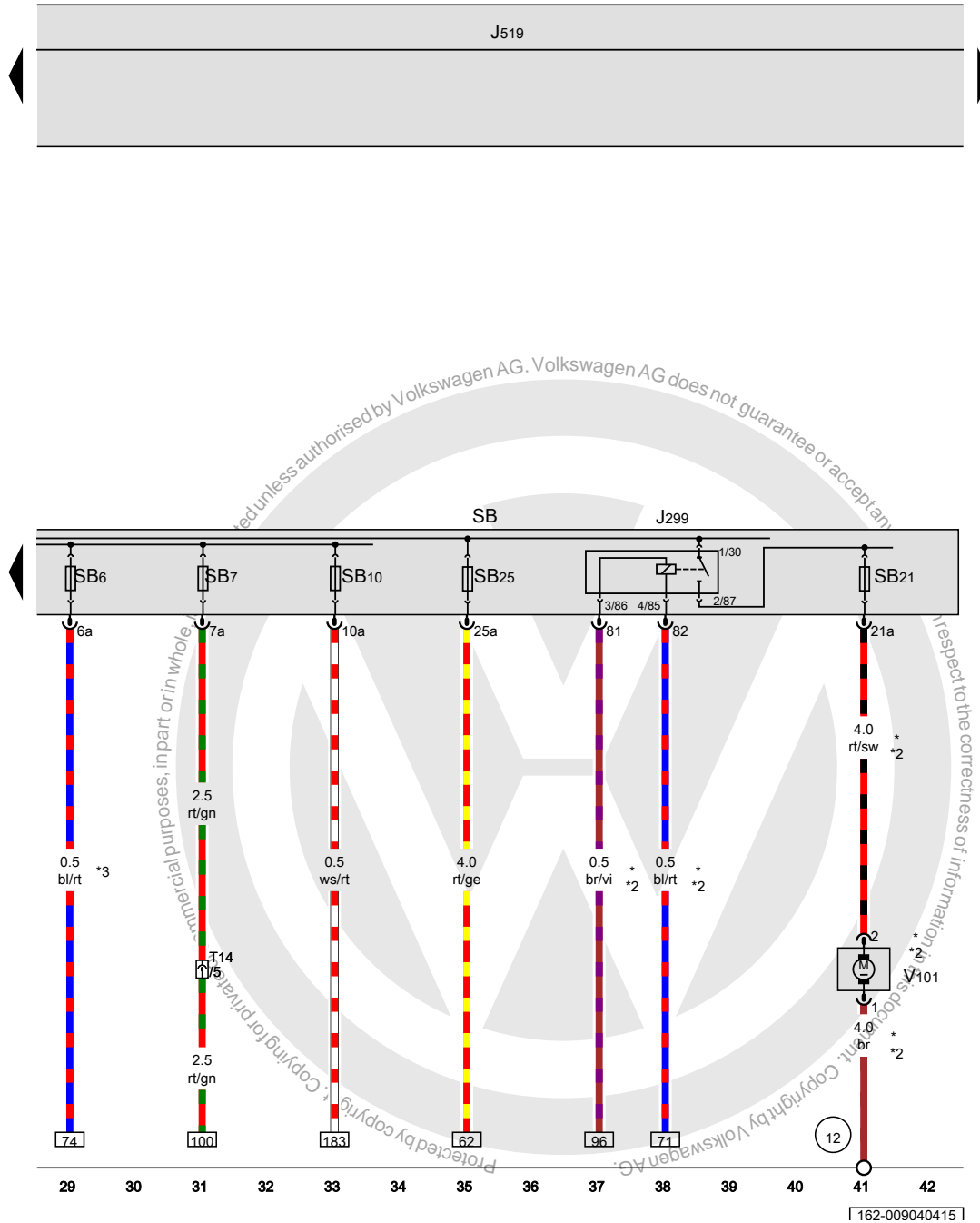


Secondary air pump relay, Onboard supply control unit, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector, near battery
- V101 Secondary air pump motor

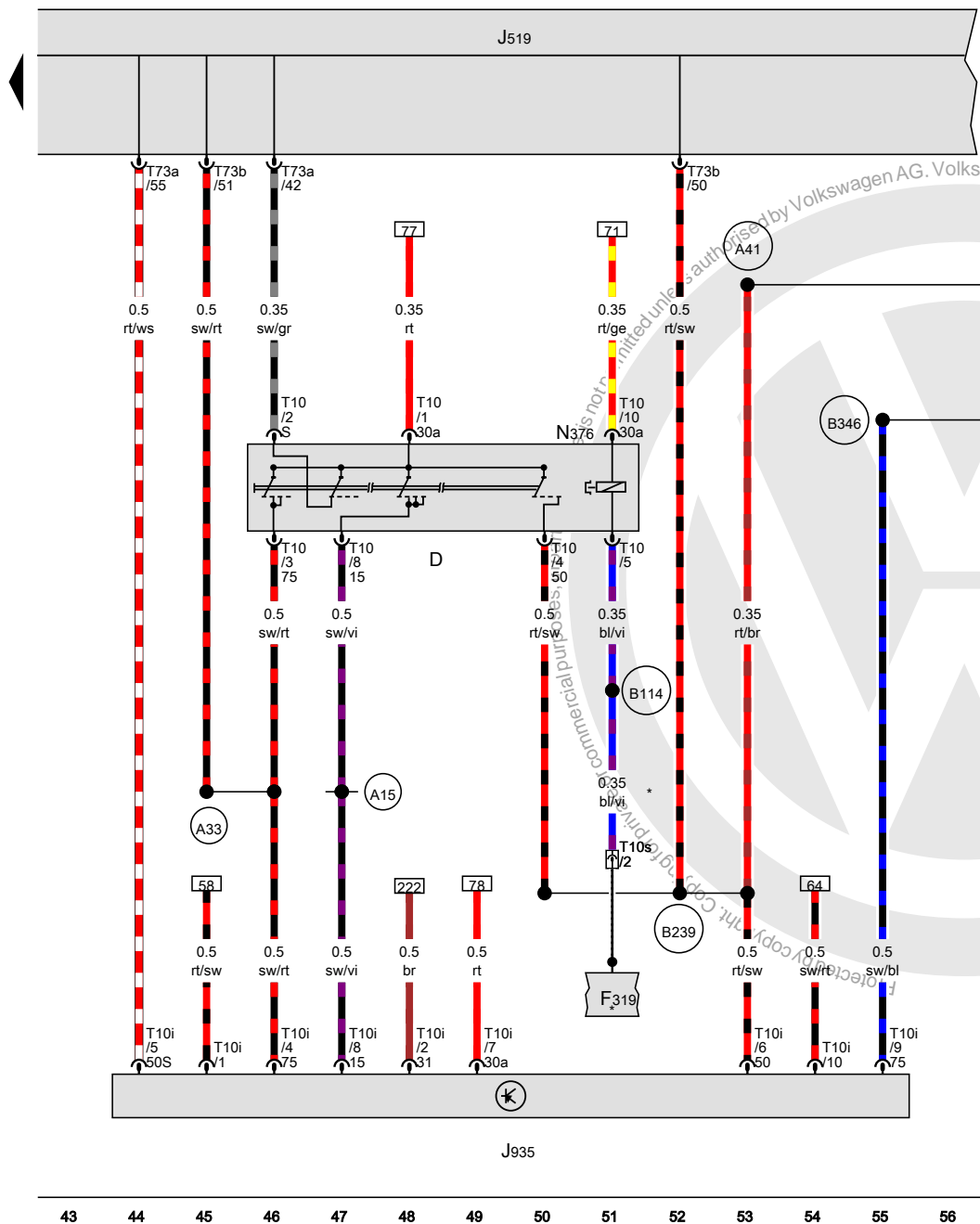
12 Earth point, on left in engine compartment

- * According to equipment
- *2 Only for American markets
- *3 gradual introduction



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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Ignition/starter switch, Onboard supply control unit, Converter box



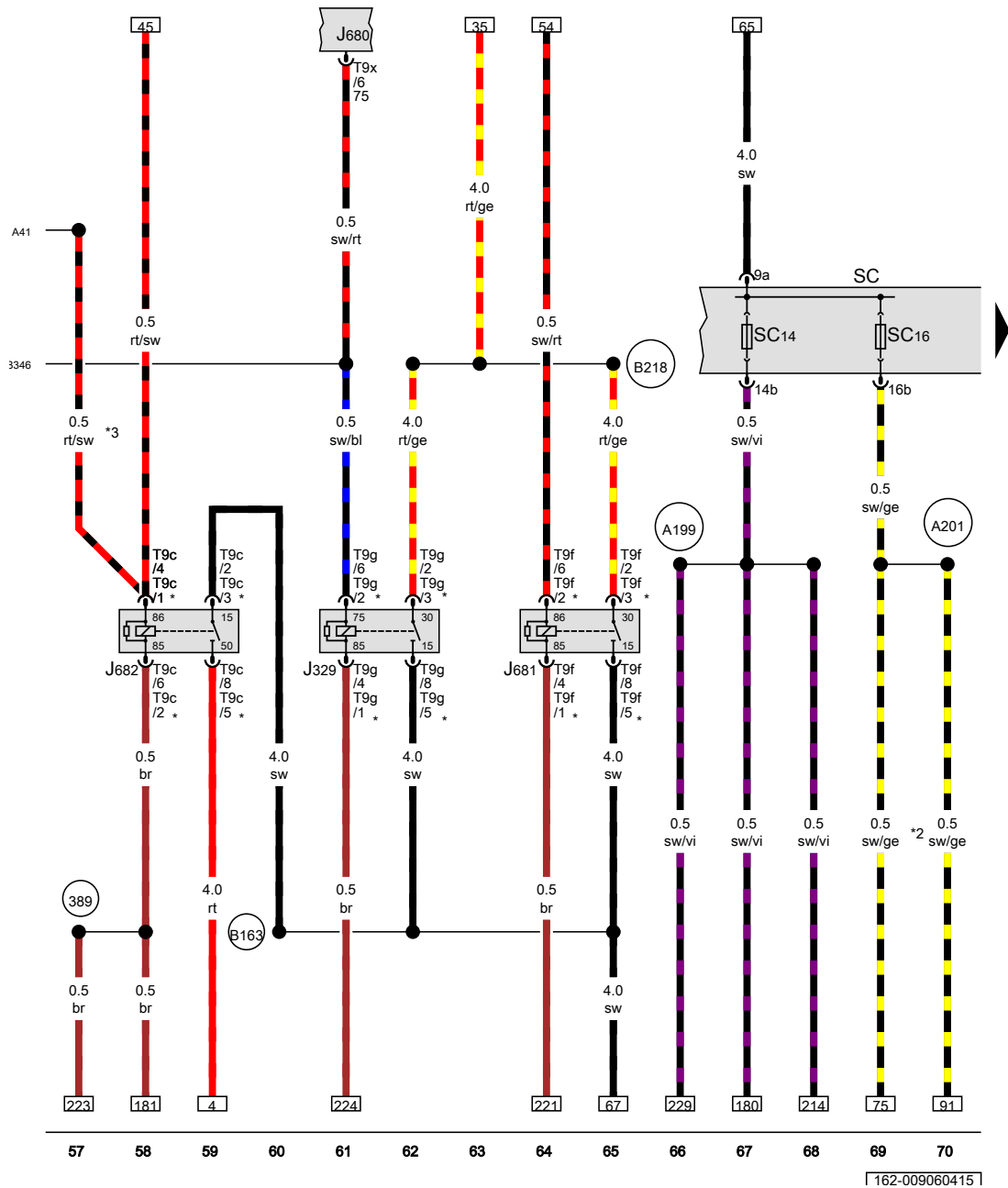
- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J935 Converter box
- N376 Ignition key withdrawal lock solenoid
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * Only models with automatic gearbox

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- br = brown
- gn = green
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- gr = grey
- li = purple
- vi = purple
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- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

162-009050415



Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

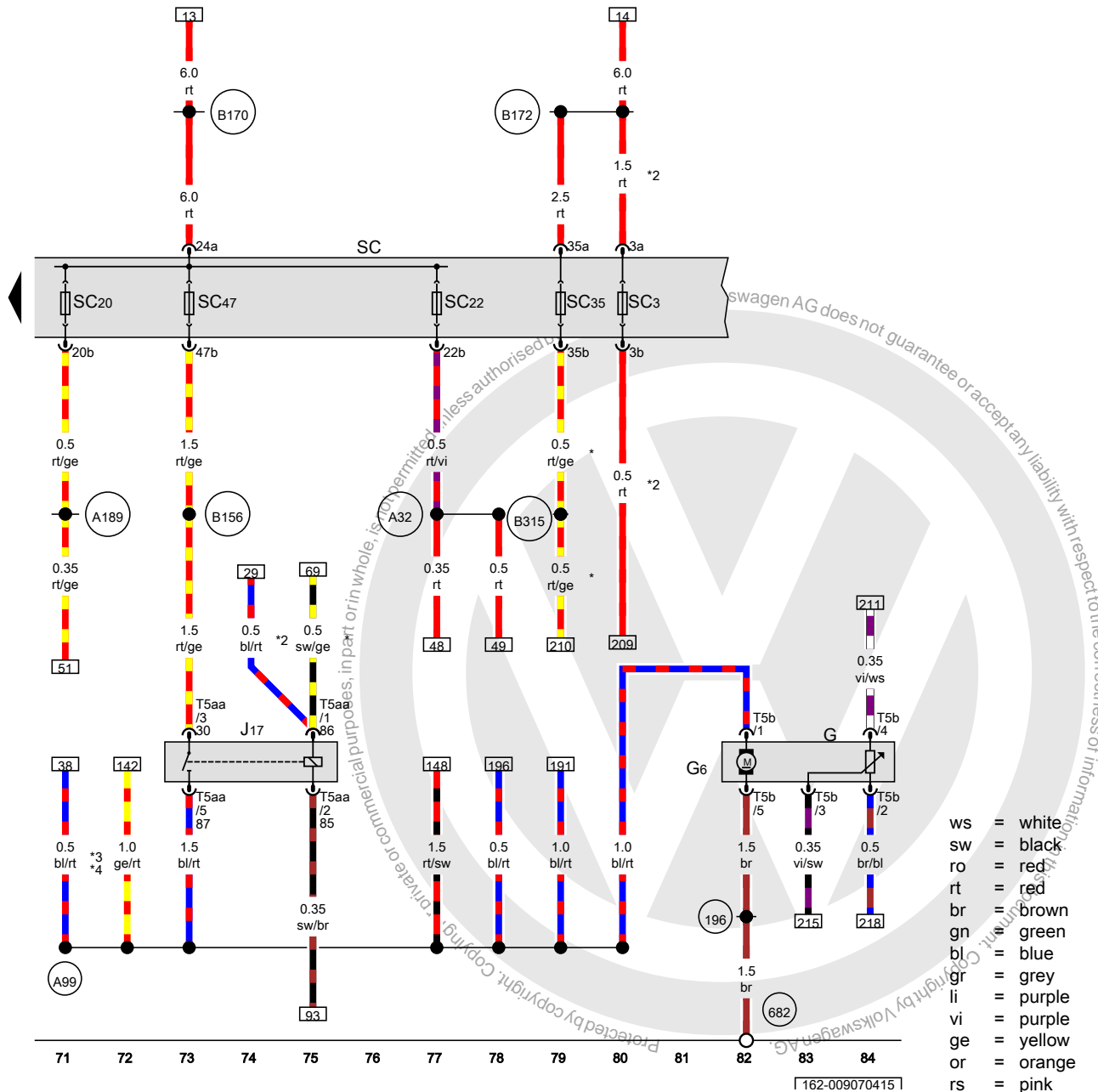
- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector

- (389) Earth connection 24, in main wiring harness
- (A41) Positive connection (50), in dash panel wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness
- * gradual introduction
- *2 Gradually discontinued
- *3 According to equipment

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162-009060415

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



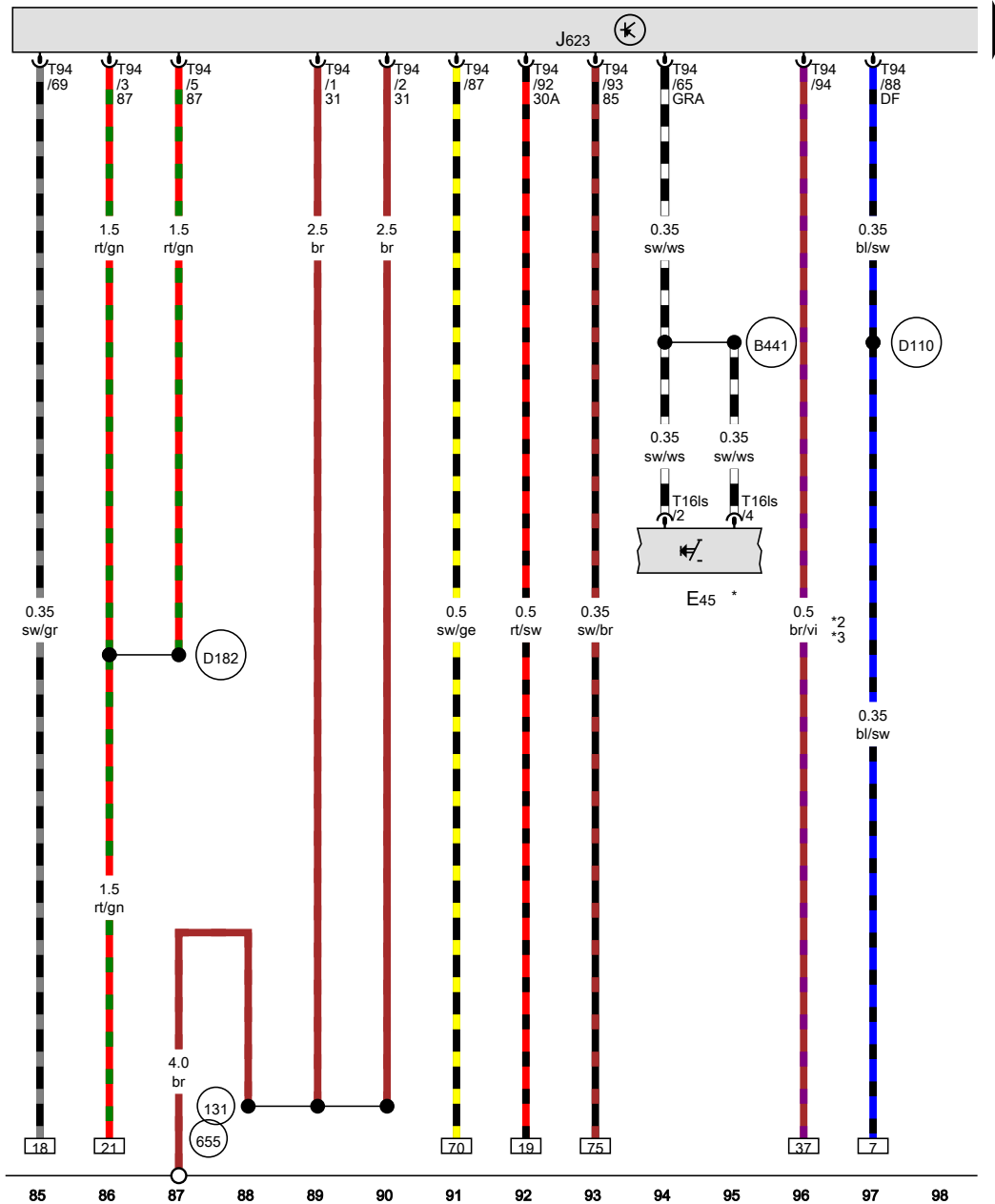
- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector
- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A99 Connection 1 (87) in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * Gradually discontinued
- *2 gradual introduction
- *3 According to equipment
- *4 Only for American markets

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 gn = green
 bl = blue
 gr = grey
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 rs = pink

Engine control unit

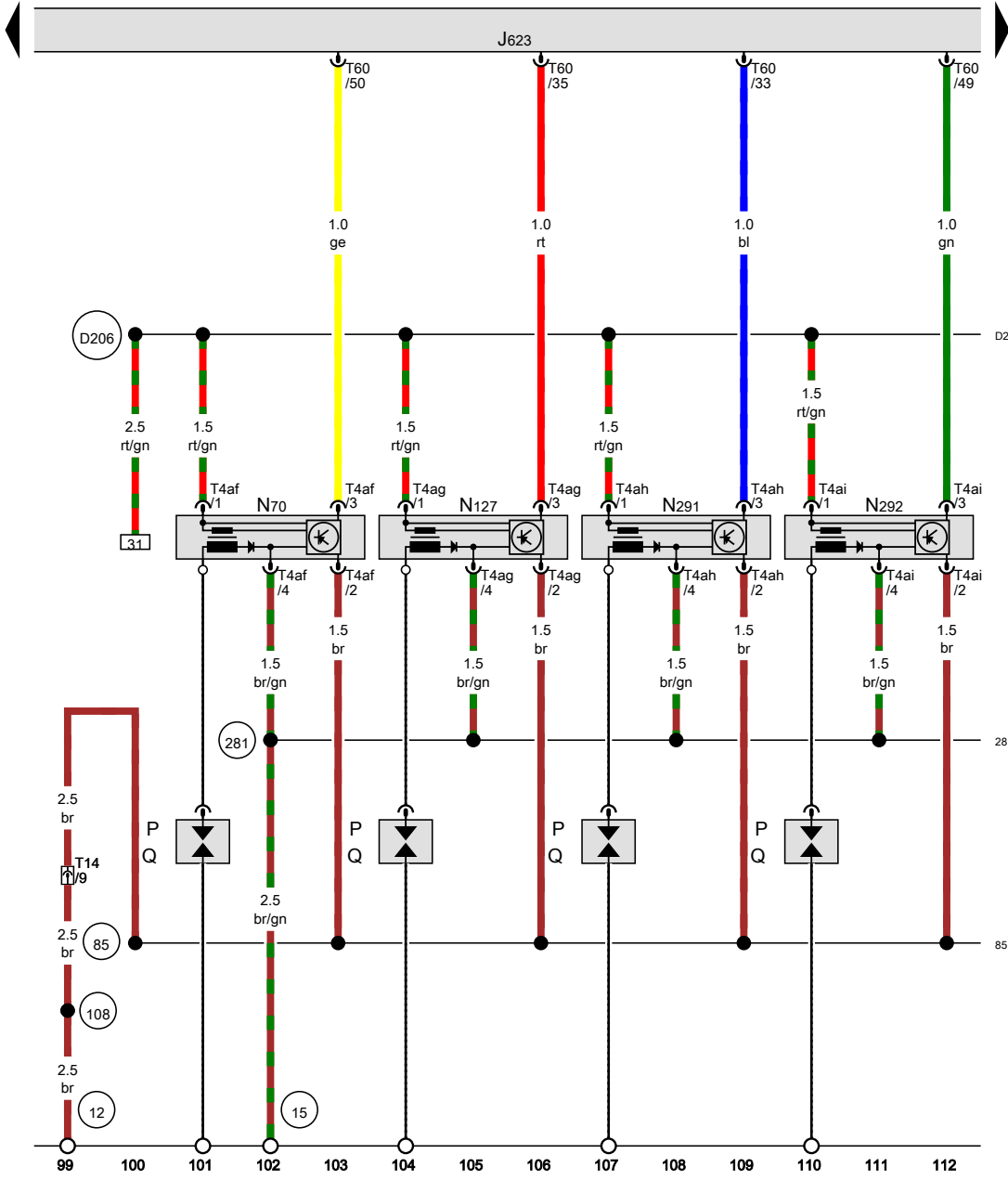
- E45 Cruise control system switch
- J623 Engine control unit
- T16ls 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment
- *3 Only for American markets



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-009080415



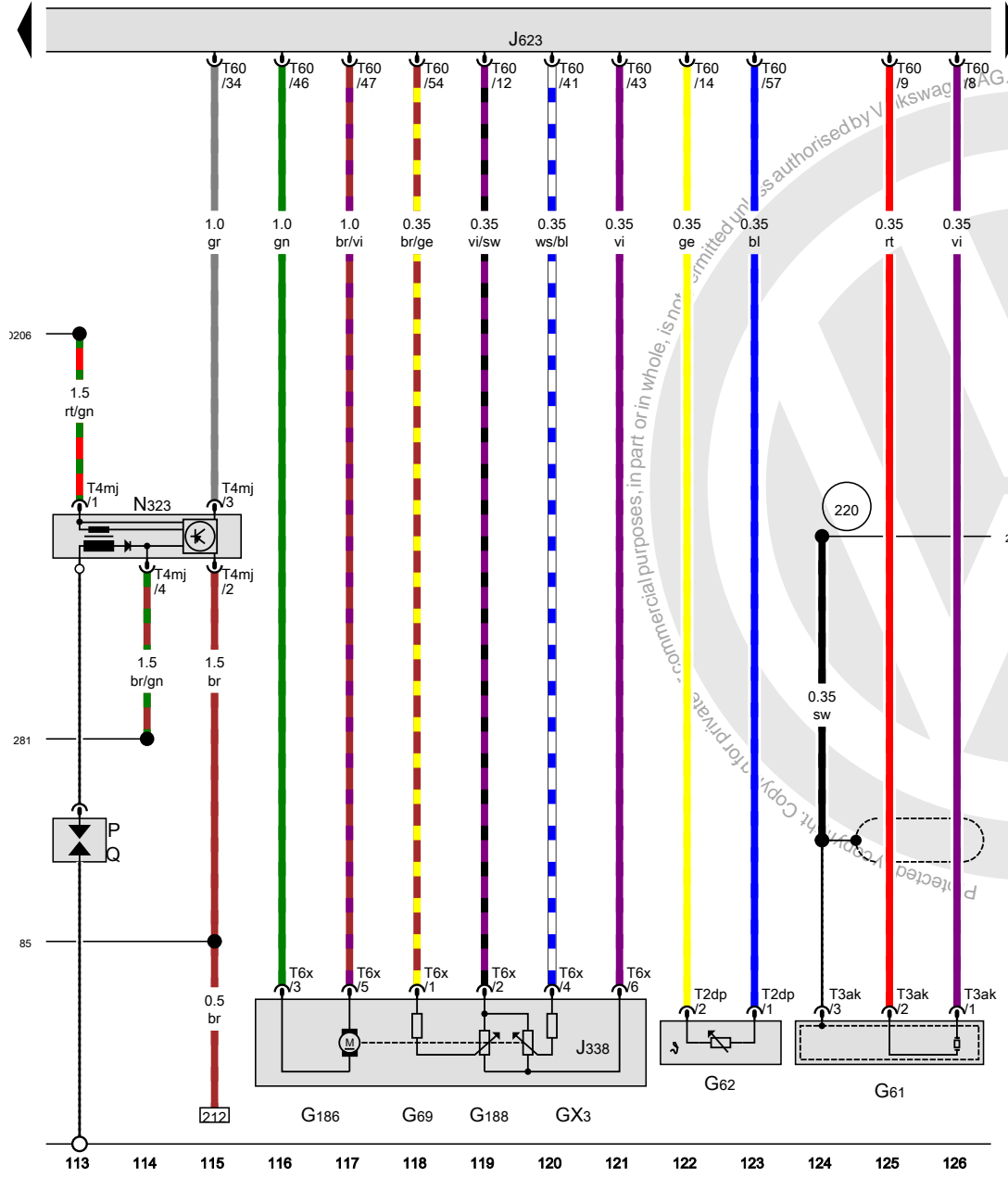
Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-009090415



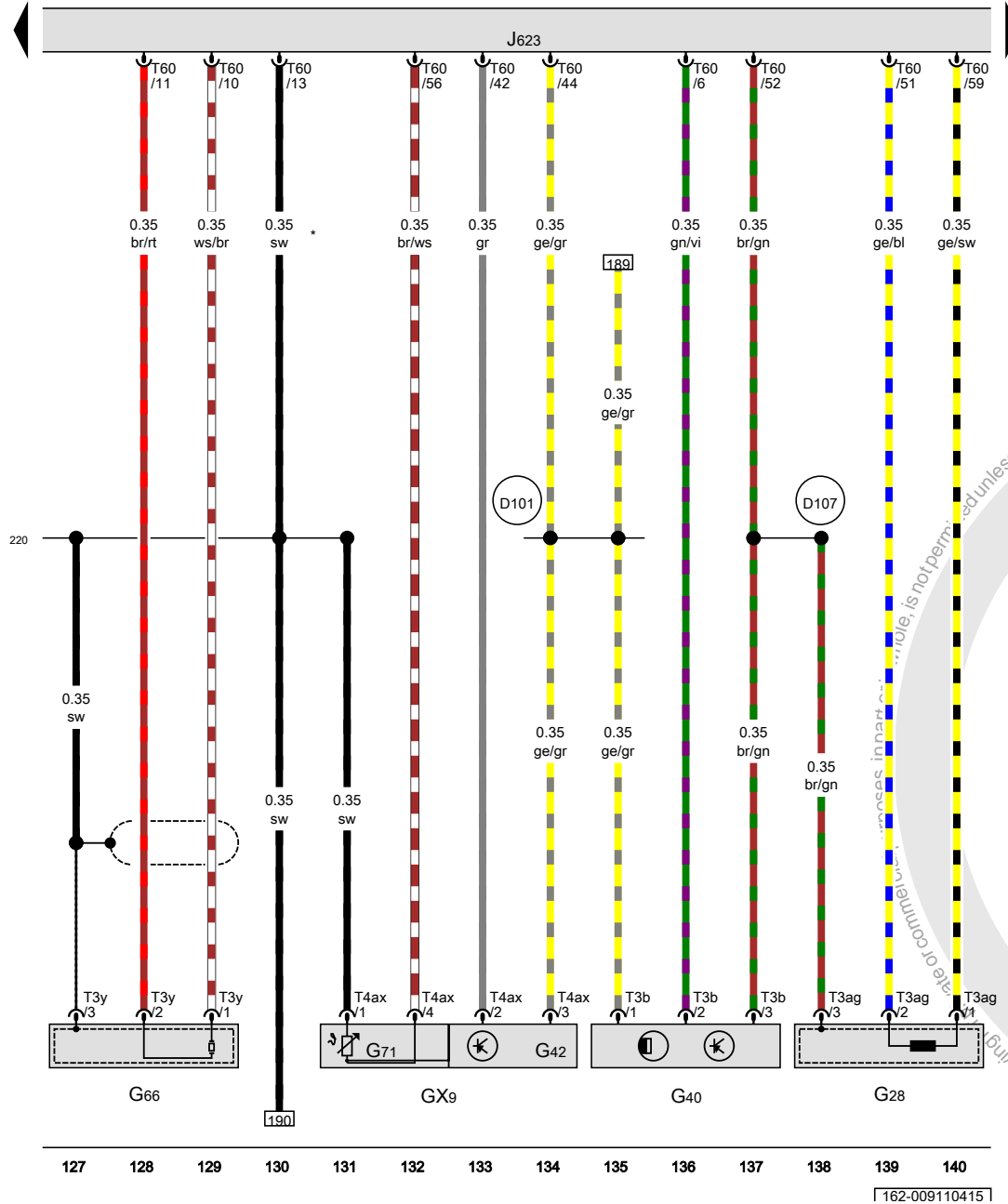
Throttle valve module, Knock sensor 1, Coolant temperature sender, Throttle valve drive for electric throttle, Engine control unit, Ignition coil 5 with output stage, Spark plug connector

- GX3 Throttle valve module
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G69 Throttle valve potentiometer
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N323 Ignition coil 5 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dp 2-pin connector
- T3ak 3-pin connector
- T4mj 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- (85) Earth connection 1, in engine compartment wiring harness
- (220) Earth connection (sender earth), in engine wiring harness
- (281) Earth point 1 engine prewiring harness
- (D206) Connection 4 (87a) in engine prewiring harness

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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Intake manifold sender, Engine speed sender, Hall sender, Intake air temperature sender, Knock sensor 2, Engine control unit

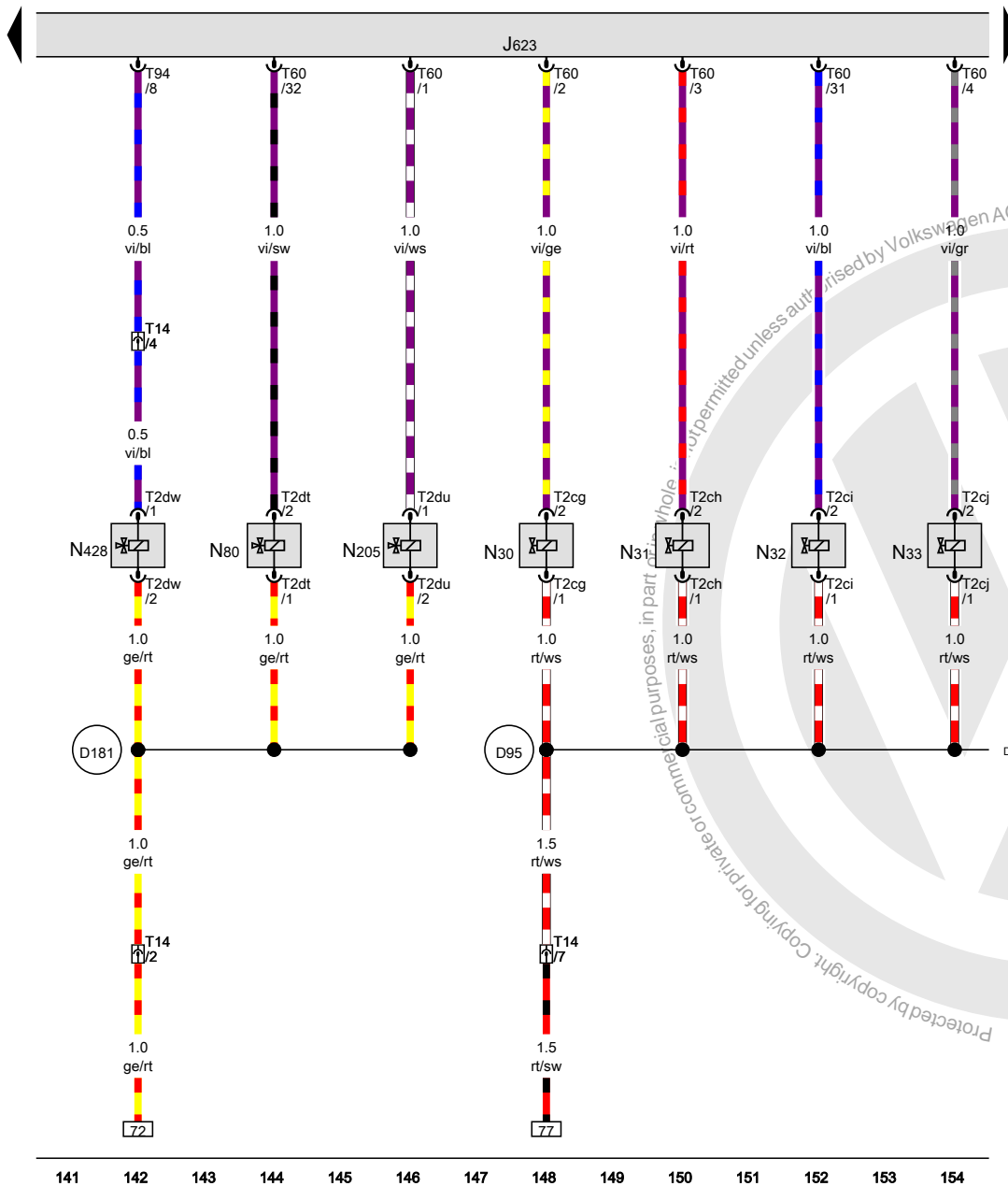


- GX9 Intake manifold sender
- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G66 Knock sensor 2
- G71 Intake manifold pressure sender
- J623 Engine control unit
- T3ag 3-pin connector
- T3b 3-pin connector
- T3y 3-pin connector
- T4ax 4-pin connector
- T60 60-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Only for American markets

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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162-009110415

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Activated charcoal filter solenoid valve 1, Camshaft control valve 1



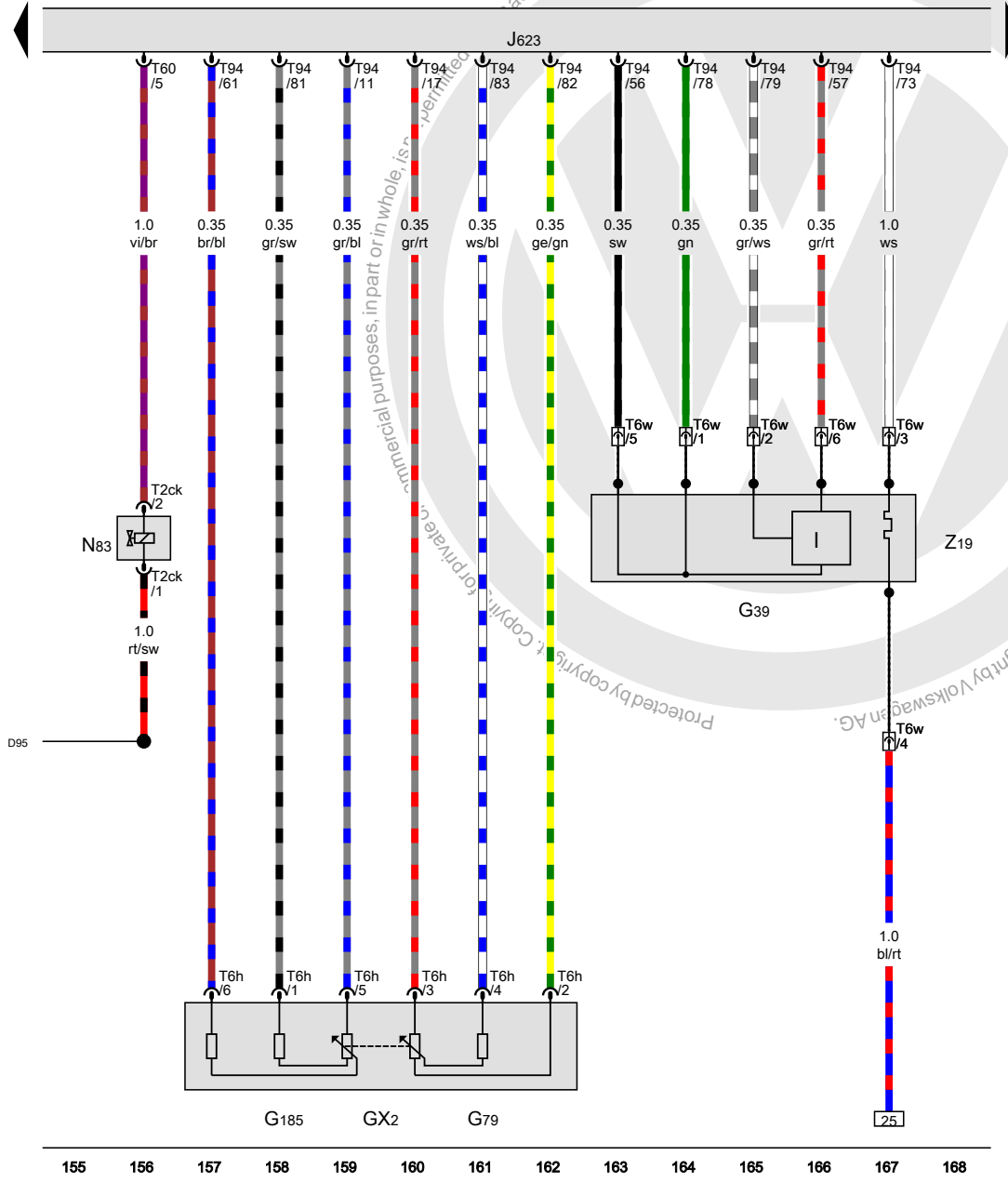
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

- (D95) Connection (injectors), in engine compartment wiring harness
- (D181) Connection 2 (87a) in engine compartment wiring harness
- * Only models with flexible service interval display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

162-009120415



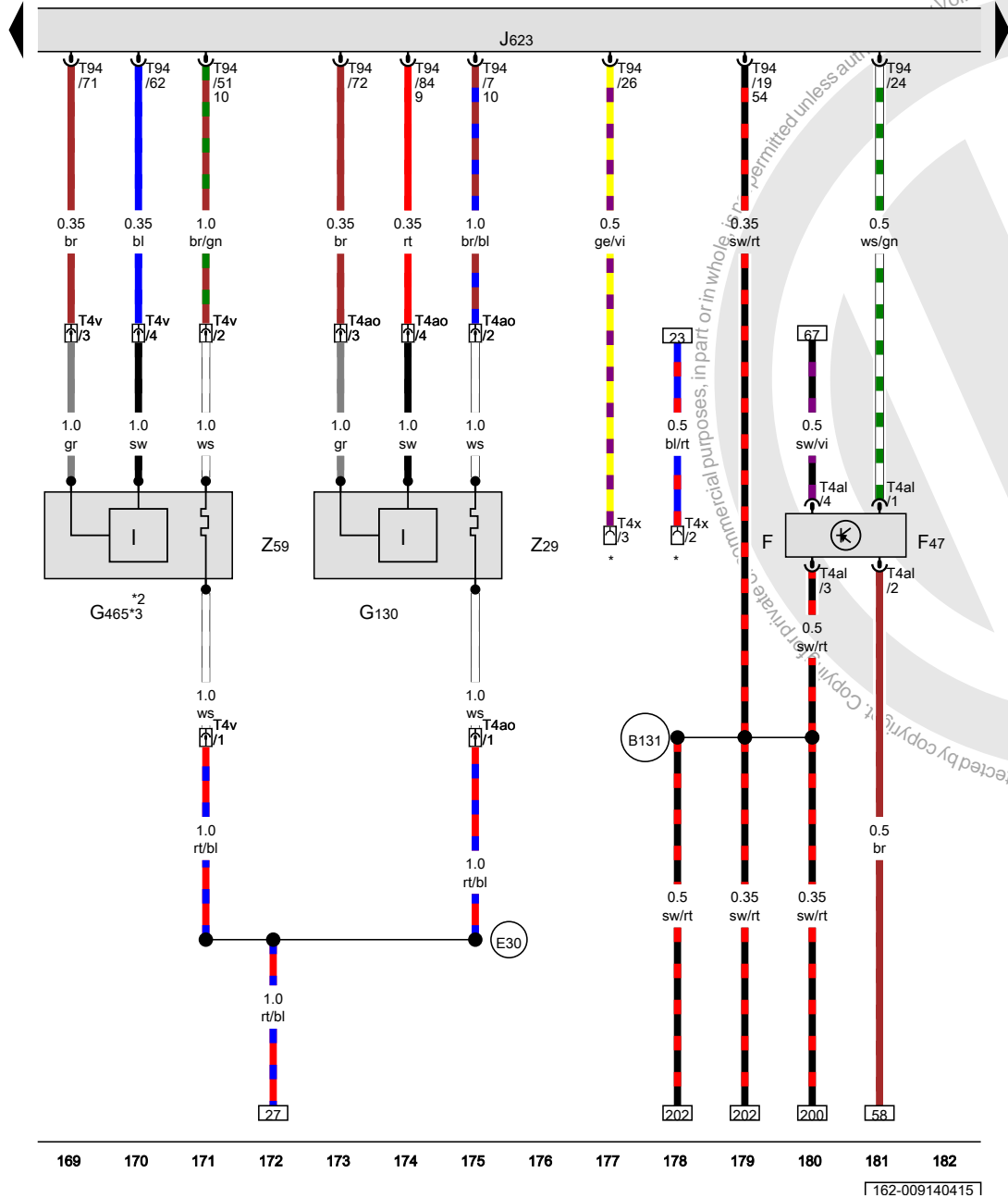
Accelerator pedal module, Lambda probe, Accelerator position sender 2, Engine control unit, Injector, cylinder 5, Lambda probe heater

- GX2 Accelerator pedal module
- G39 Lambda probe
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N83 Injector, cylinder 5
- T2ck 2-pin connector
- T6h 6-pin connector
- T6w 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- (D95) Connection (injectors), in engine compartment wiring harness

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- sw = black
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

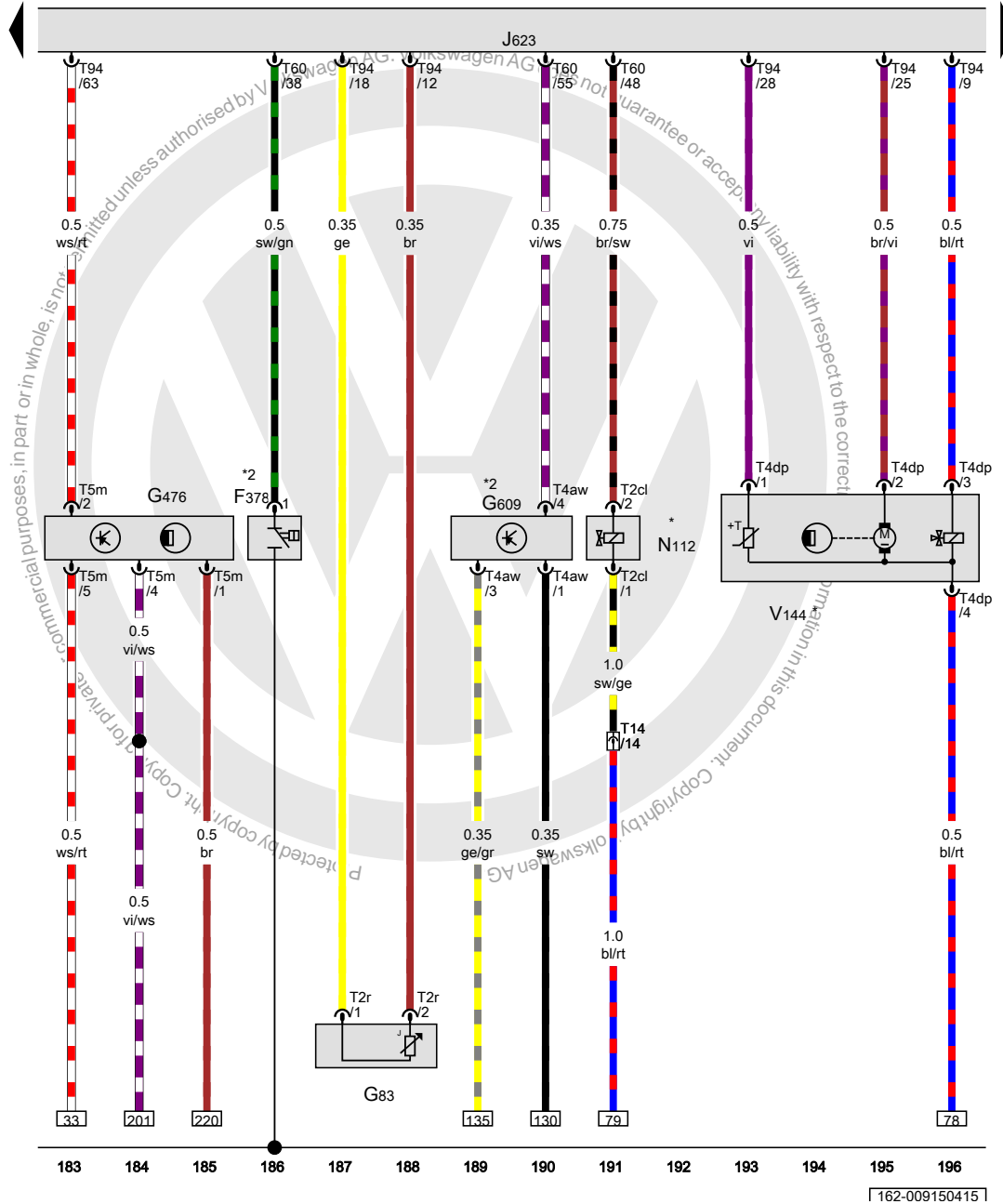
162-009130415



Brake light switch, Brake pedal switch, Lambda probe after catalytic converter, Centre Lambda probe for bank 1 catalytic converter, Engine control unit, Lambda probe 1 heater after catalytic converter, Centre Lambda probe heater for catalytic converter

- F Brake light switch
- F47 Brake pedal switch
- G130 Lambda probe after catalytic converter
- G465 Centre Lambda probe for bank 1 catalytic converter
- J623 Engine control unit
- T4al 4-pin connector
- T4ao 4-pin connector
- T4v 4-pin connector
- T4x 4-pin connector
- T94 94-pin connector
- Z29 Lambda probe 1 heater after catalytic converter
- Z59 Centre Lambda probe heater for catalytic converter
- (B131) Connection (54), in interior wiring harness
- (E30) Connection (87a), in engine wiring harness
- * Radiator fan connection
- *2 According to equipment
- *3 Only for American markets

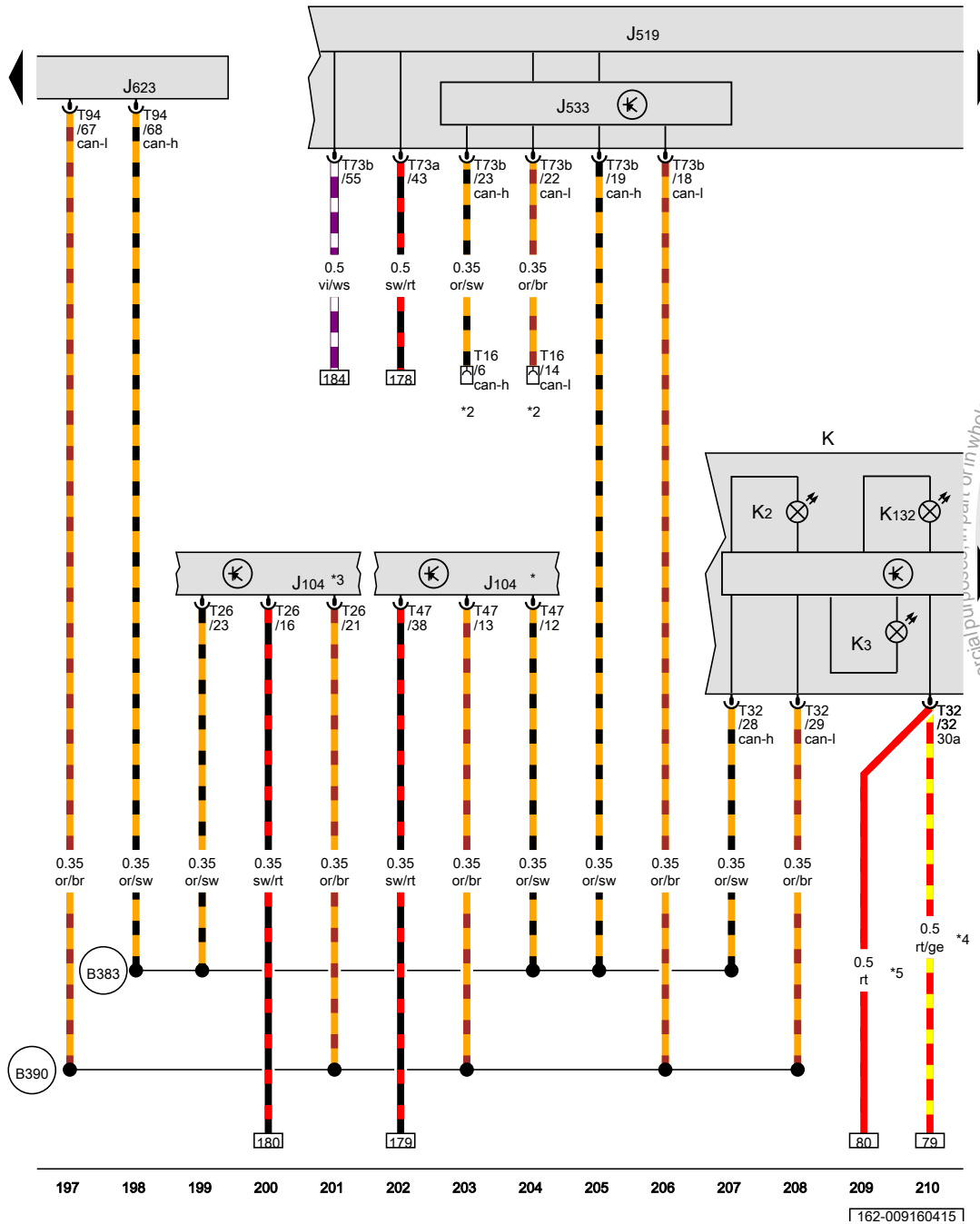
- ws = white
- sw = black
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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Oil pressure switch for reduced oil pressure, Radiator outlet coolant temperature sender, Clutch position sender, Sender 1 for secondary air pressure, Engine control unit, Secondary air inlet valve, Fuel system diagnostic pump

- F378 Oil pressure switch for reduced oil pressure
- G83 Radiator outlet coolant temperature sender
- G476 Clutch position sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T2cl 2-pin connector
- T2r 2-pin connector
- T4aw 4-pin connector
- T4dp 4-pin connector
- T5m 5-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump
- * Only for American markets
- *2 According to equipment

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Onboard supply control unit, Data bus diagnostic interface, Engine control unit, Alternator warning lamp, Electronic power control fault lamp

- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T26 26-pin connector
- T32 32-pin connector
- T47 47-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Diagnostic connection
- *3 Only models with ABS and no ESP
- *4 Gradually discontinued
- *5 gradual introduction

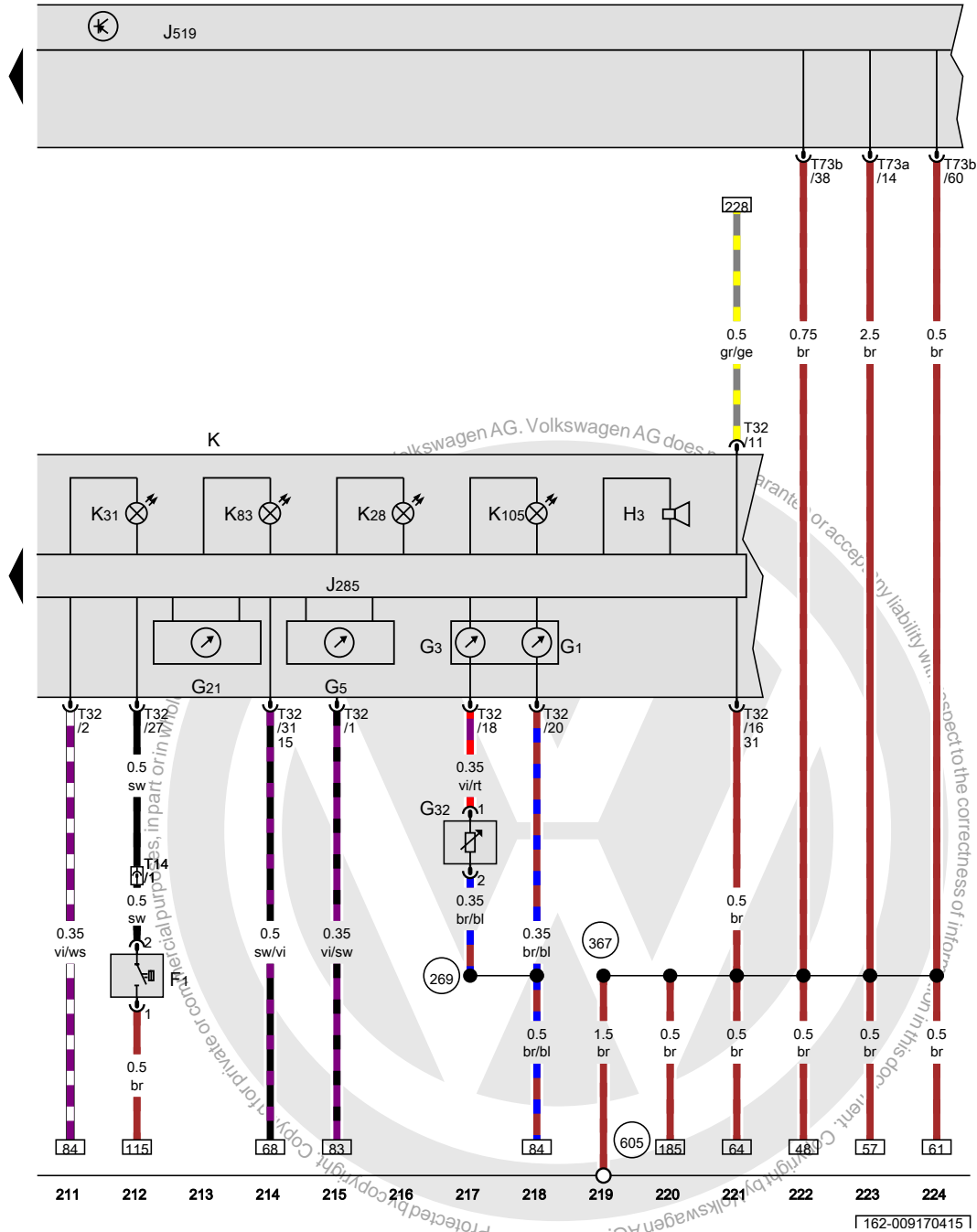
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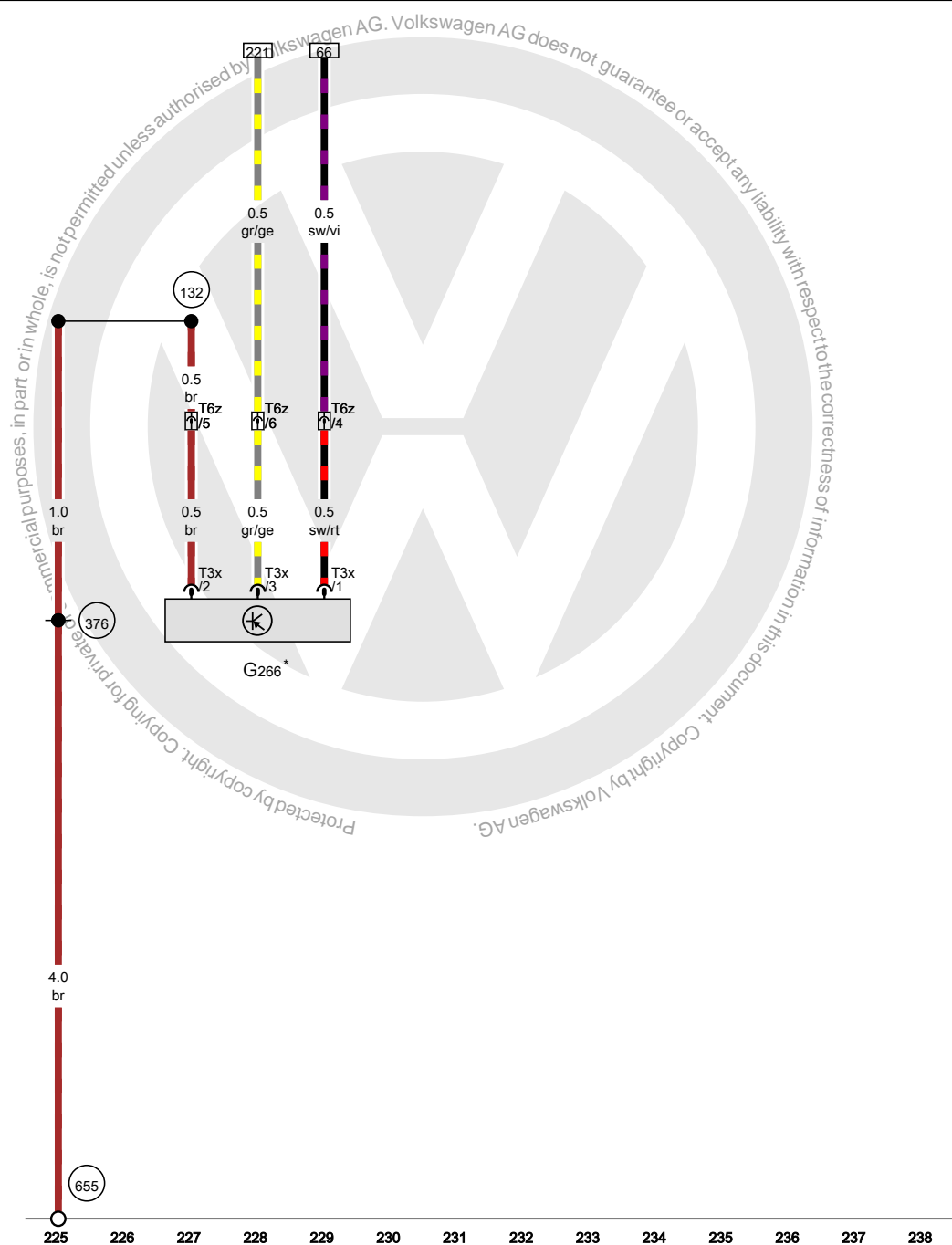
Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T14 14-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Oil level and oil temperature sender

- G266 Oil level and oil temperature sender
- T3x 3-pin connector
- T6z 6-pin connector, near left headlight

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight

* Only models with flexible service interval display

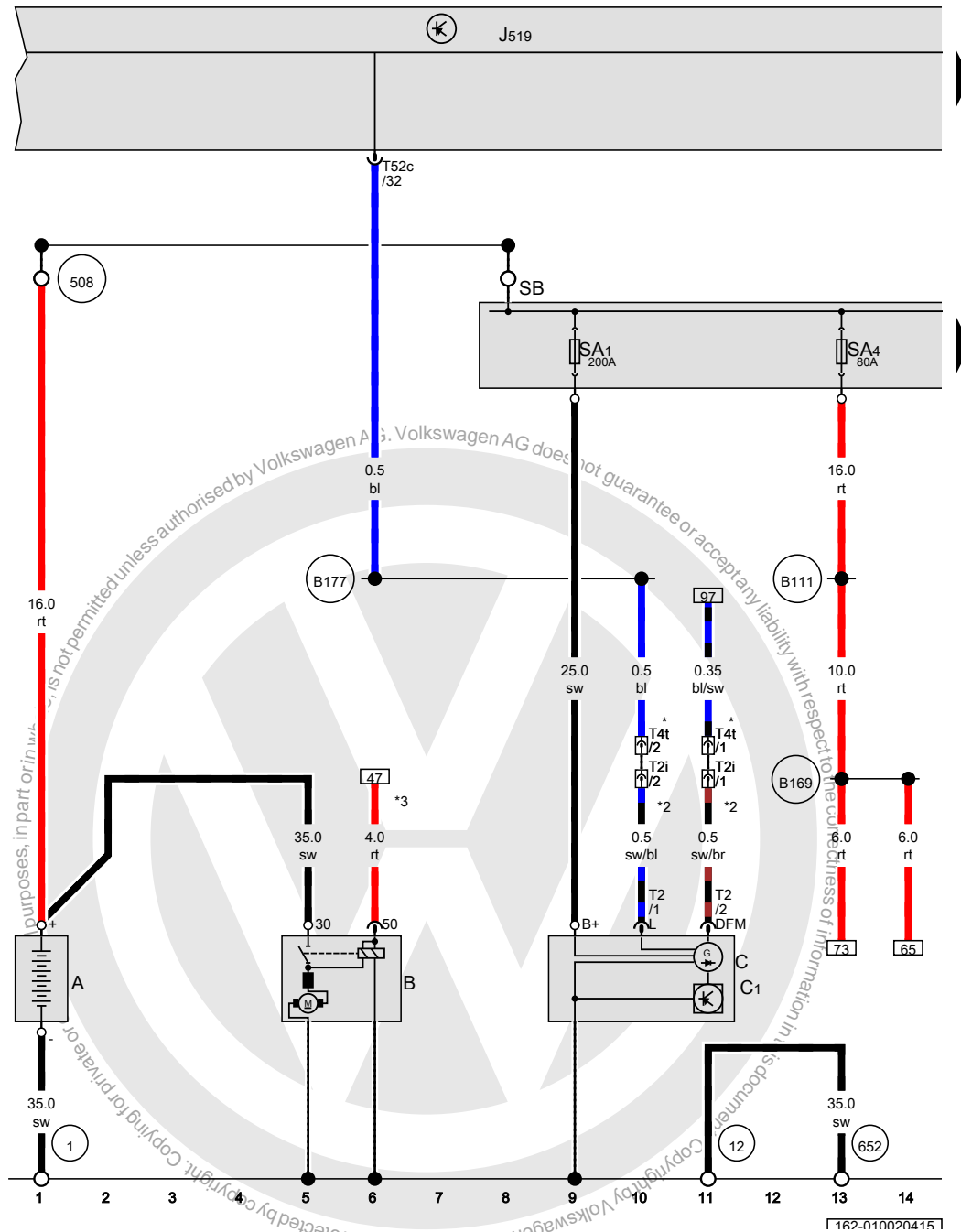
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-009180415

2.5l petrol engine , CBTA,CCCA,(AW1)

From April 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

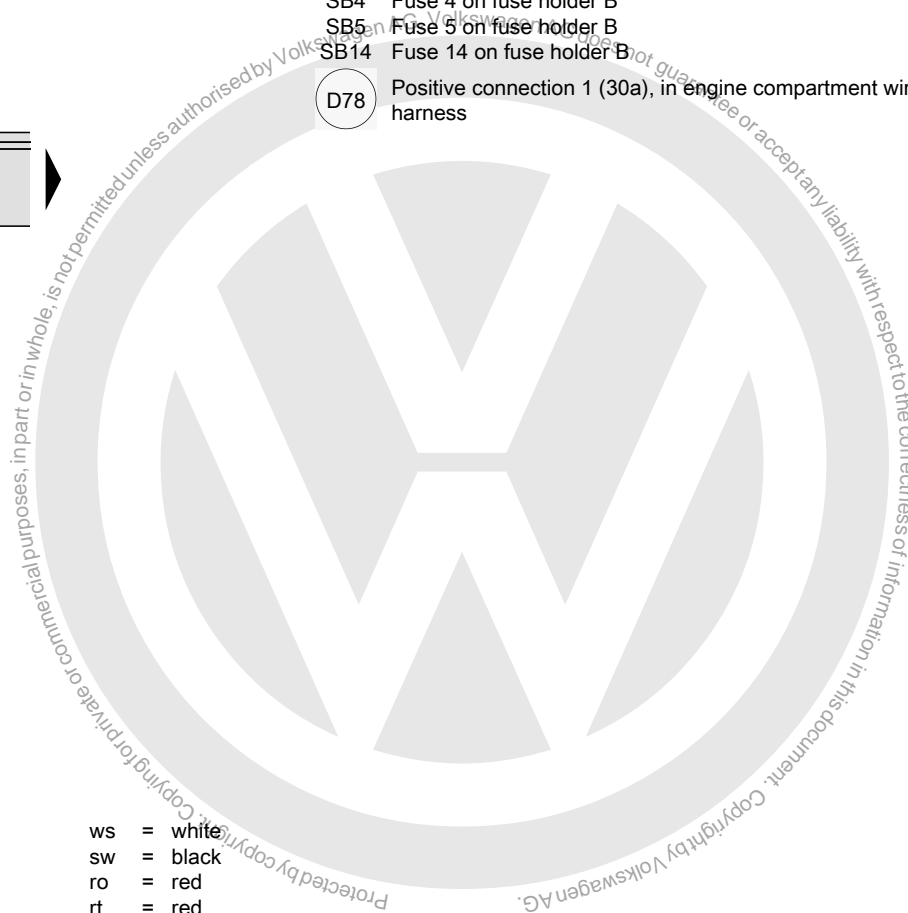
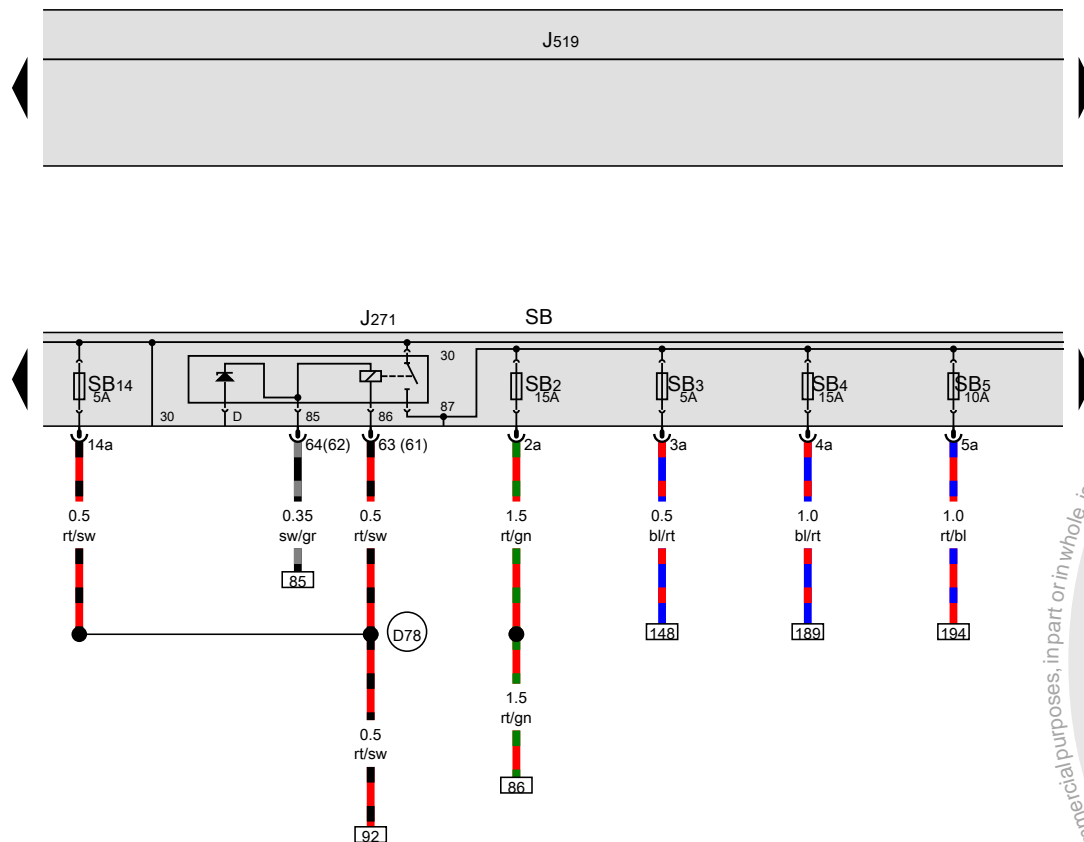
- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

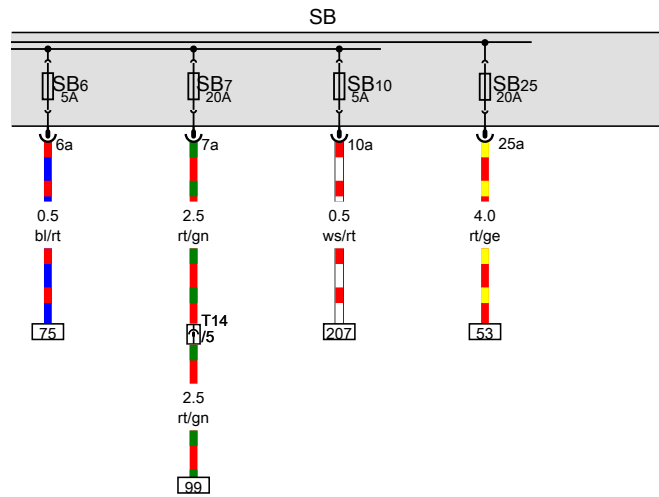
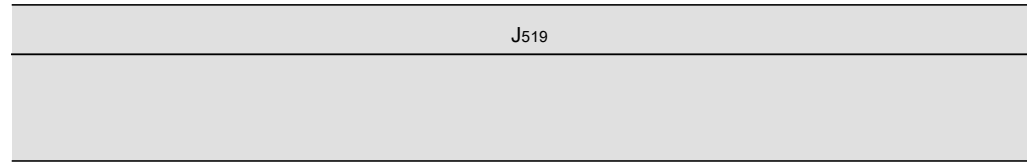
- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

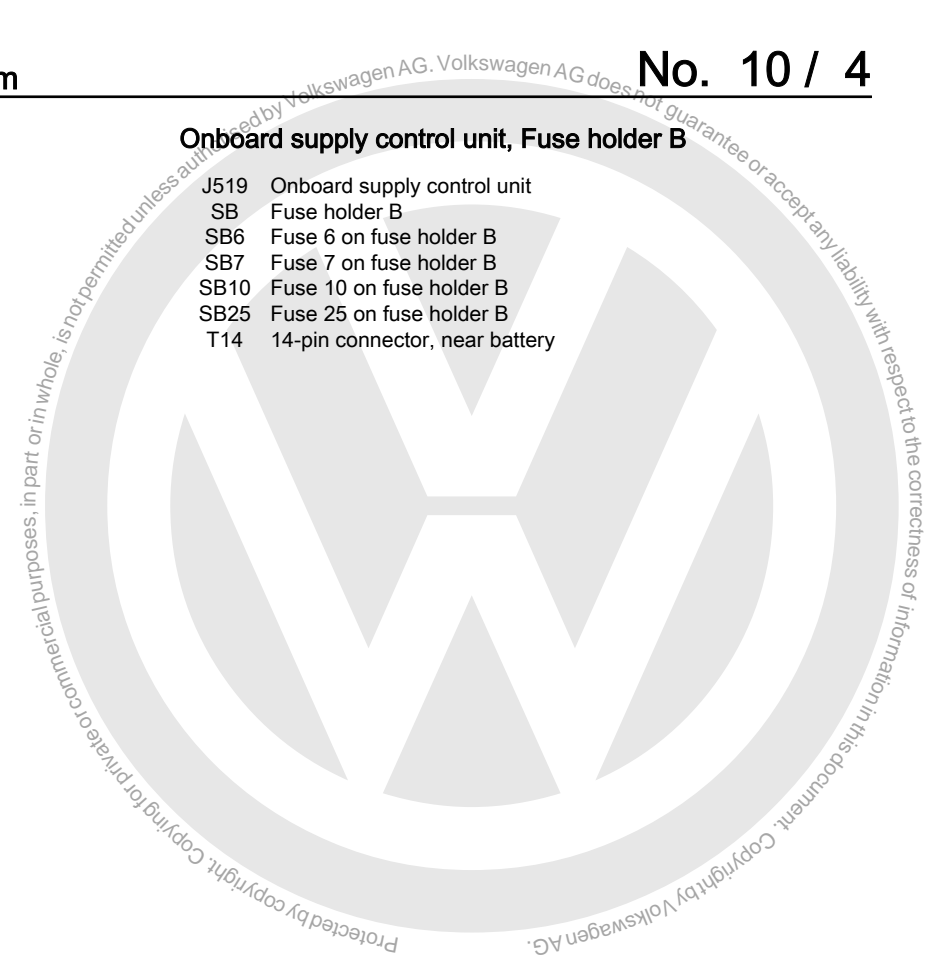
15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-010030415



Onboard supply control unit, Fuse holder B

- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector, near battery



- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

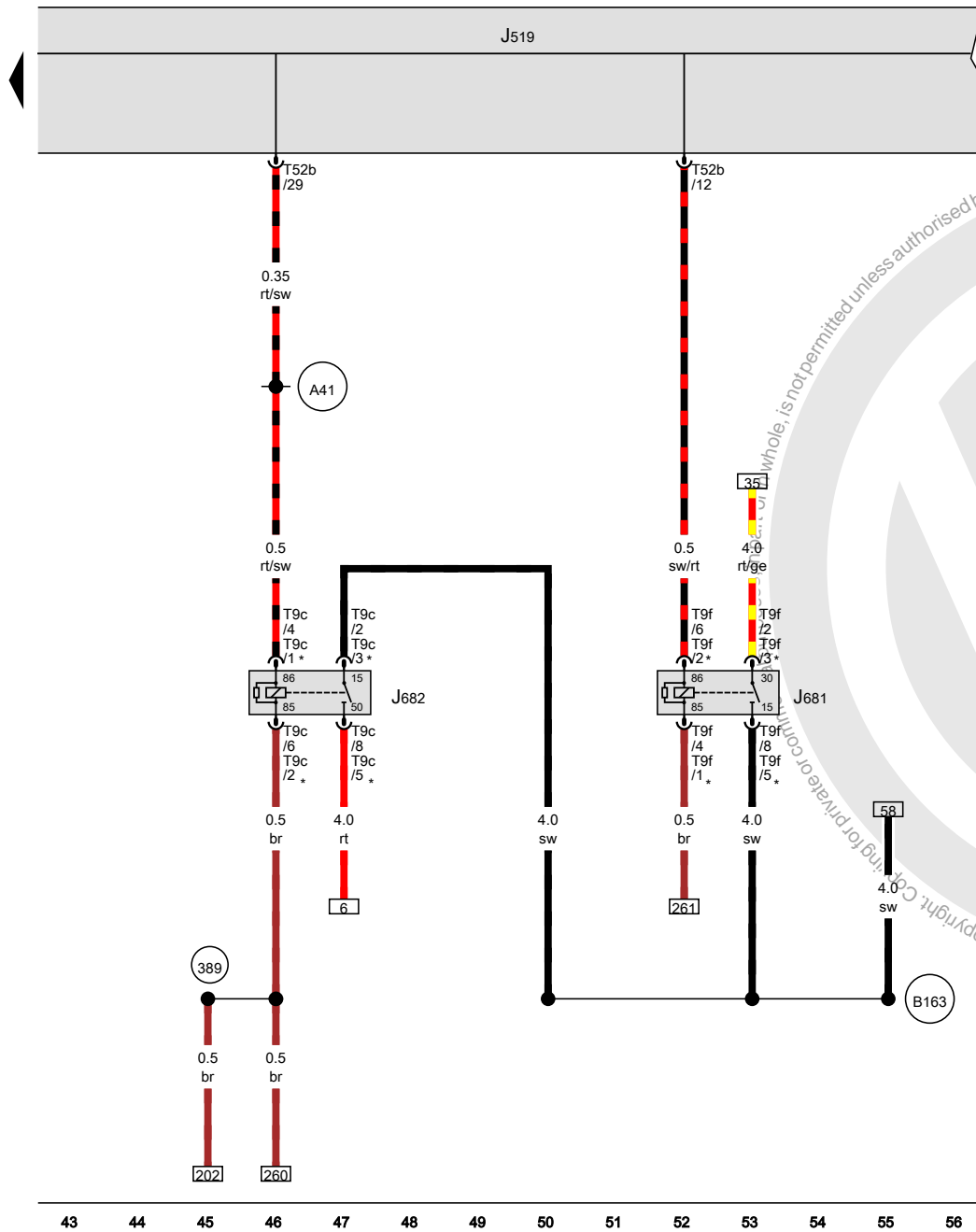
29 30 31 32 33 34 35 36 37 38 39 40 41 42

162-010040415

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

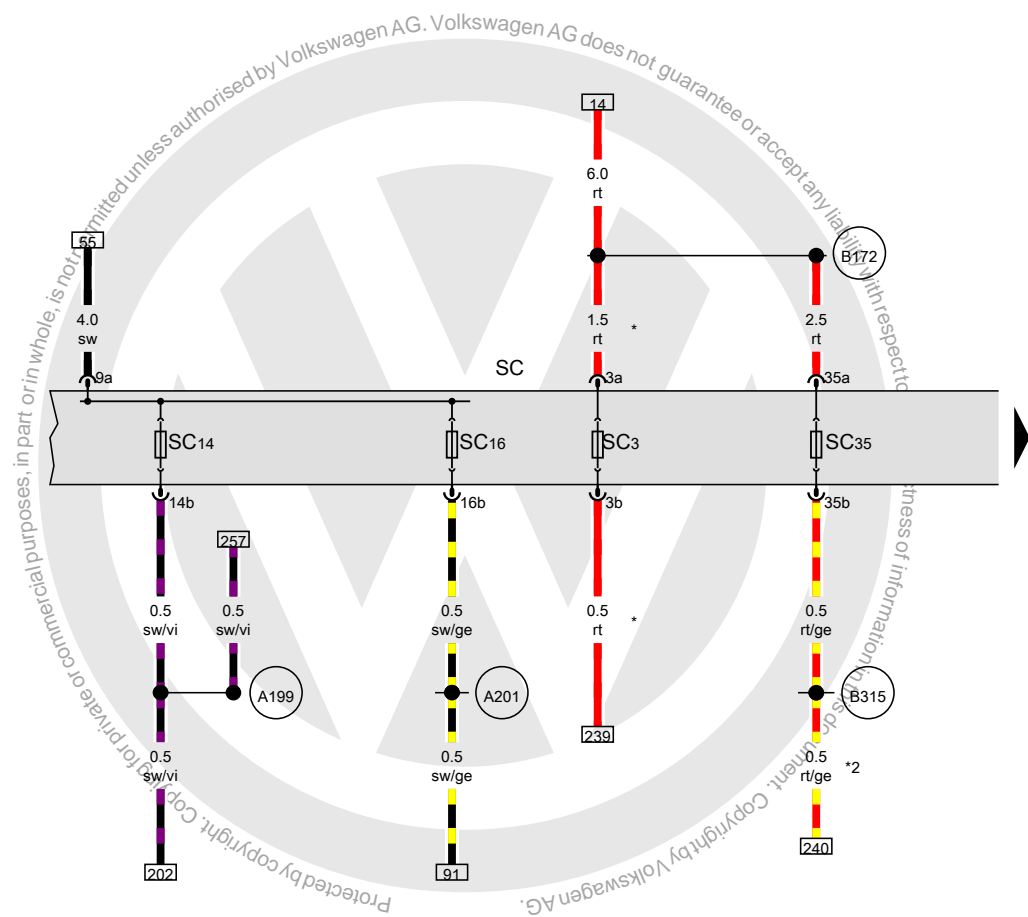
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-010050415



Fuse holder C

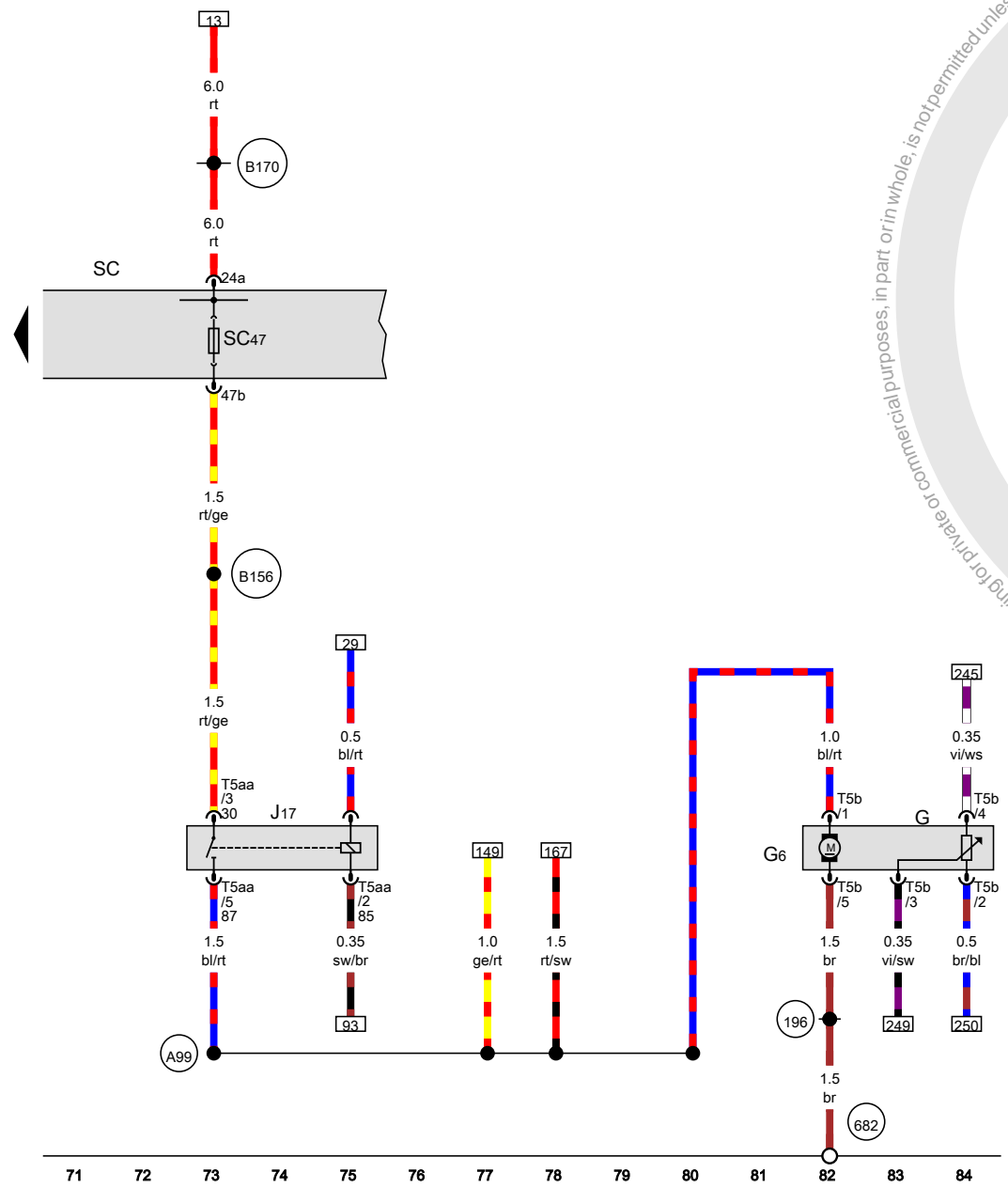
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

* gradual introduction
 *2 Gradually discontinued

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector
- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

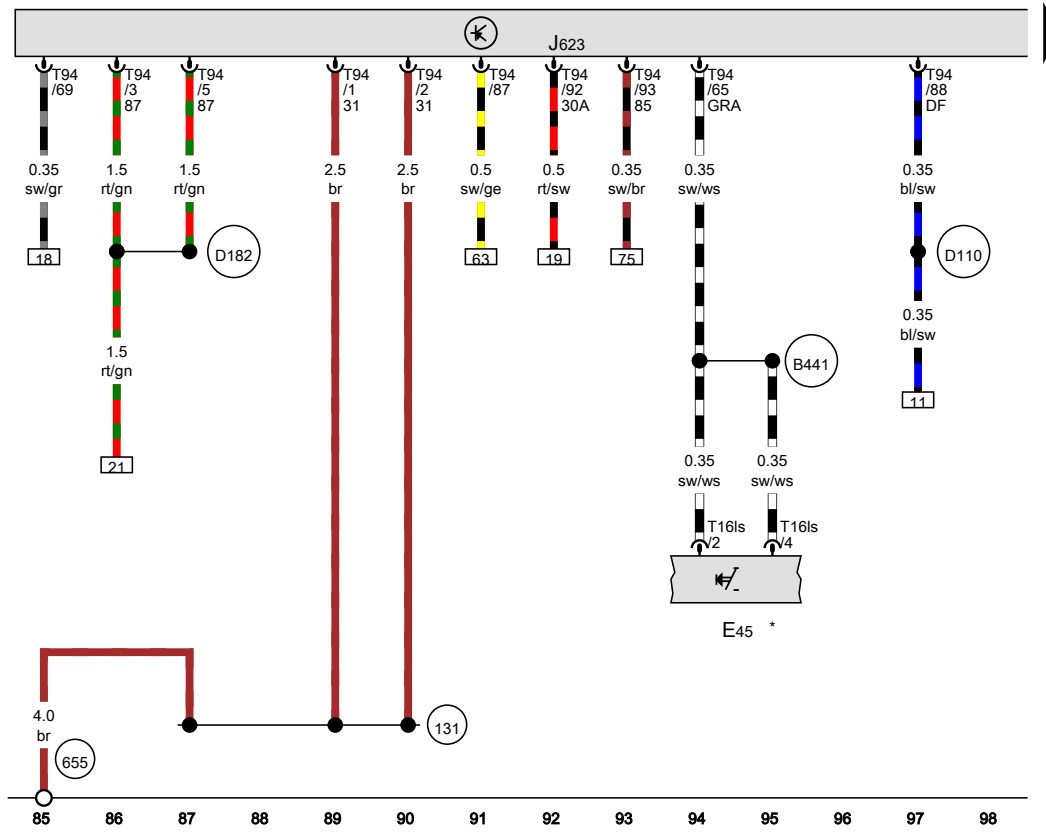
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- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-010070415

Engine control unit

- E45 Cruise control system switch
- J623 Engine control unit
- T16ls 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness



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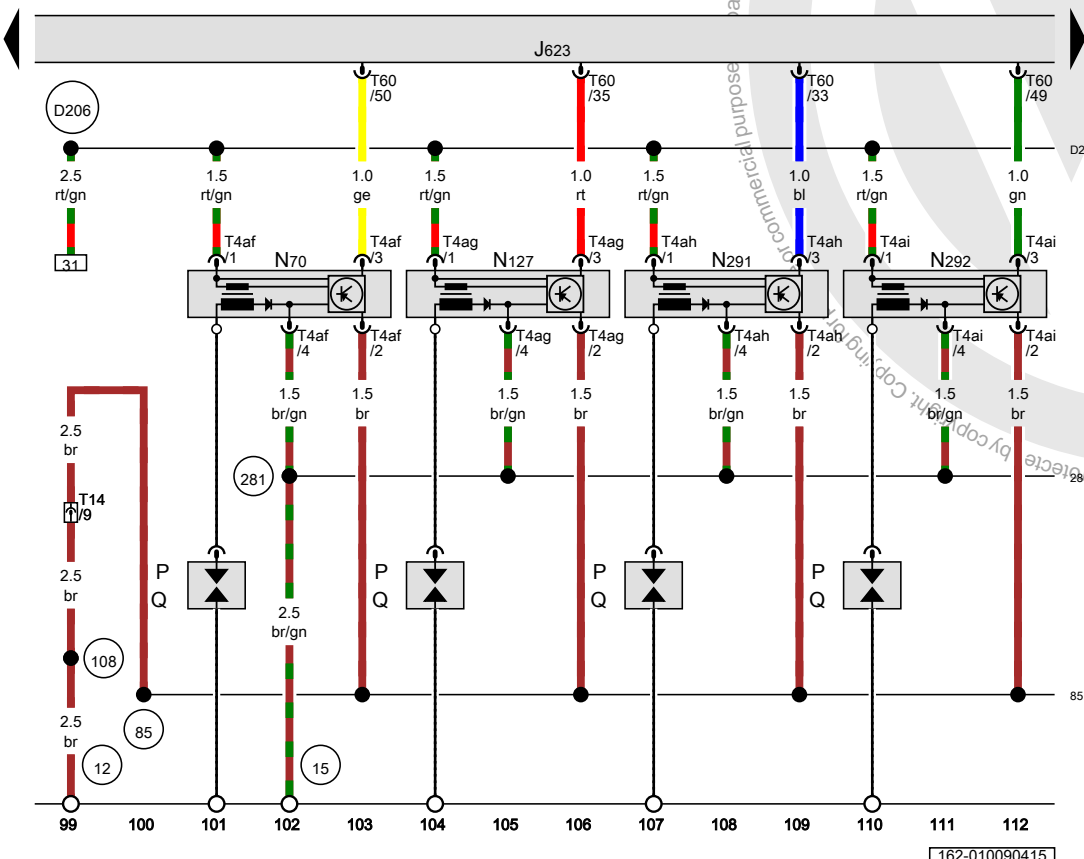
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

162-010080415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



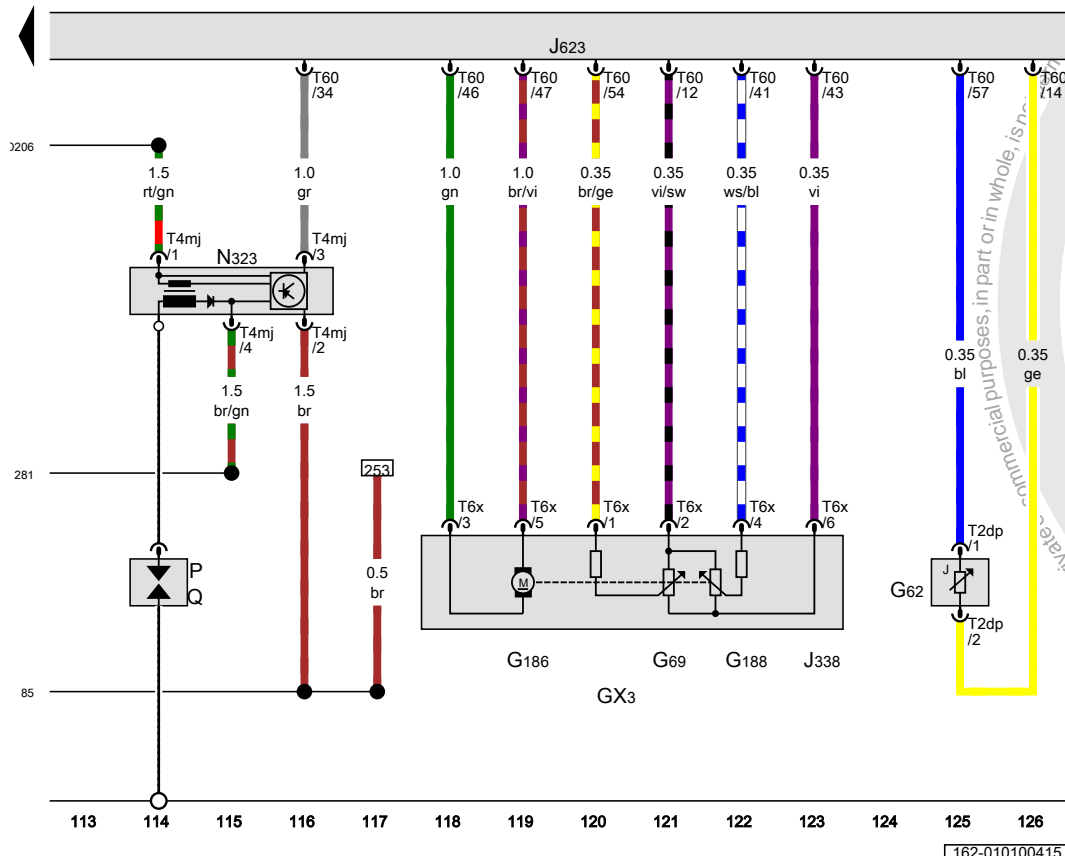
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-010090415

Throttle valve module, Coolant temperature sender, Throttle valve drive for electric throttle, Engine control unit, Ignition coil 5 with output stage, Spark plug connector

- GX3 Throttle valve module
- G62 Coolant temperature sender
- G69 Throttle valve potentiometer
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N323 Ignition coil 5 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dp 2-pin connector
- T4mj 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
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- ge = yellow
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- rs = pink

162-010100415

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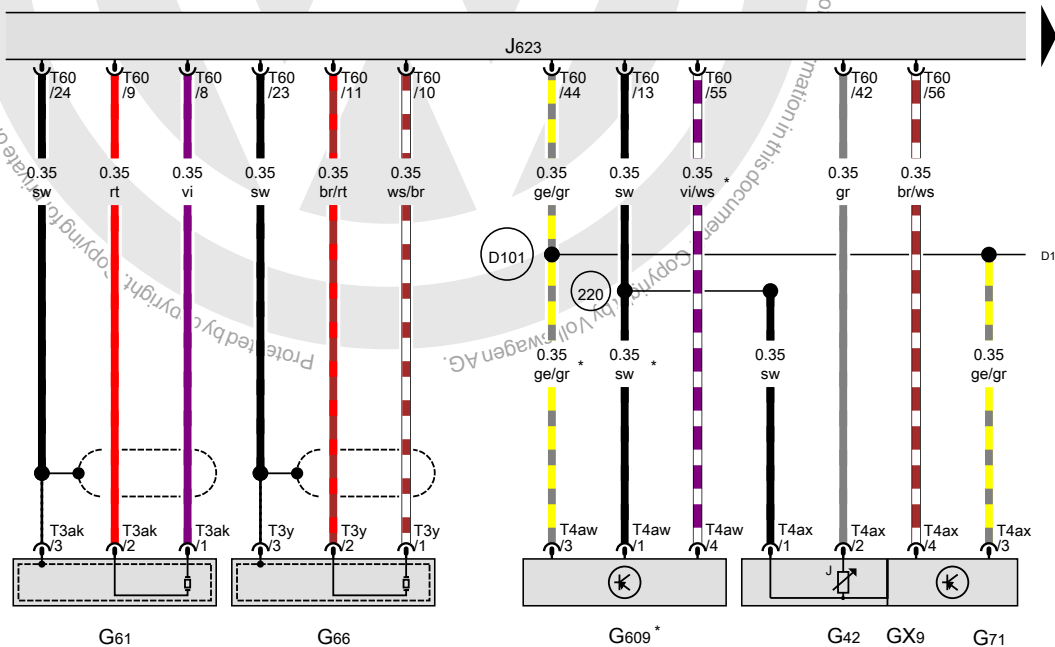
Intake manifold sender, Intake air temperature sender, Knock sensor 1, Knock sensor 2, Sender 1 for secondary air pressure, Engine control unit

- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G66 Knock sensor 2
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- T3ak 3-pin connector
- T3y 3-pin connector
- T4aw 4-pin connector
- T4ax 4-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

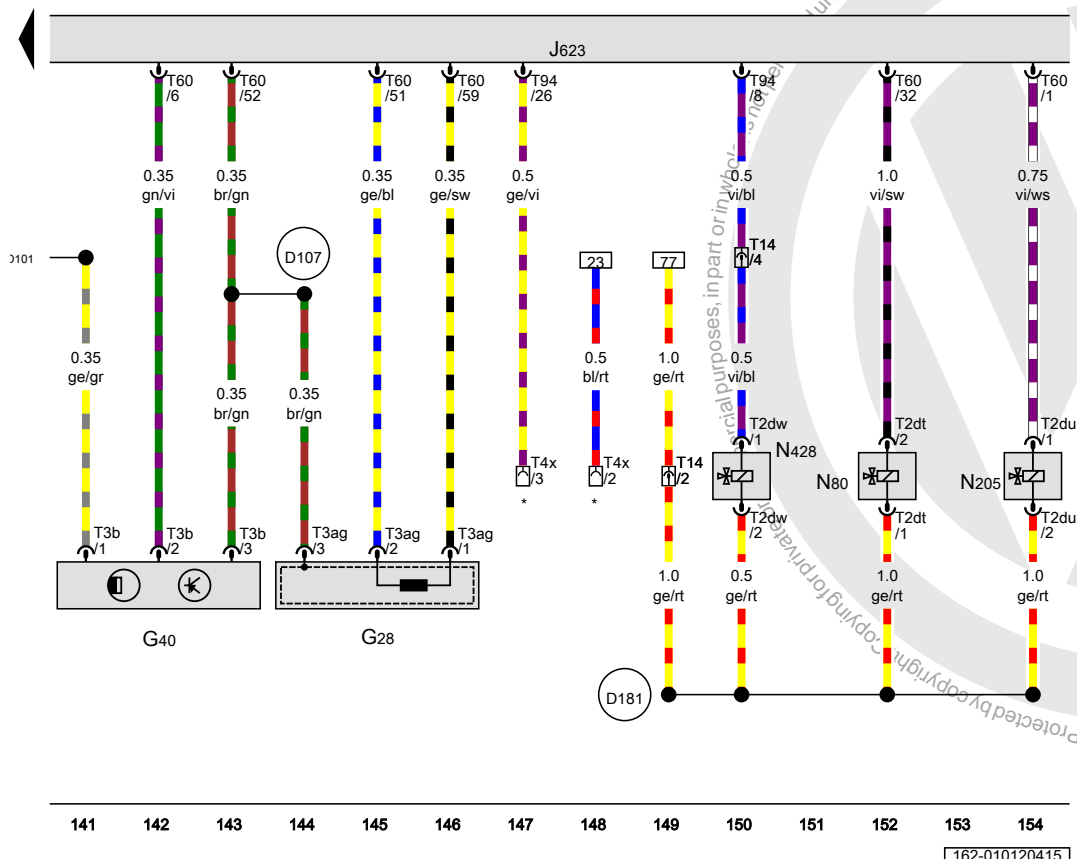
127 128 129 130 131 132 133 134 135 136 137 138 139 140

[162-010110415]

Engine speed sender, Hall sender, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Valve for oil pressure control

- G28 Engine speed sender
- G40 Hall sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T3ag 3-pin connector
- T3b 3-pin connector
- T4x 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Radiator fan connection

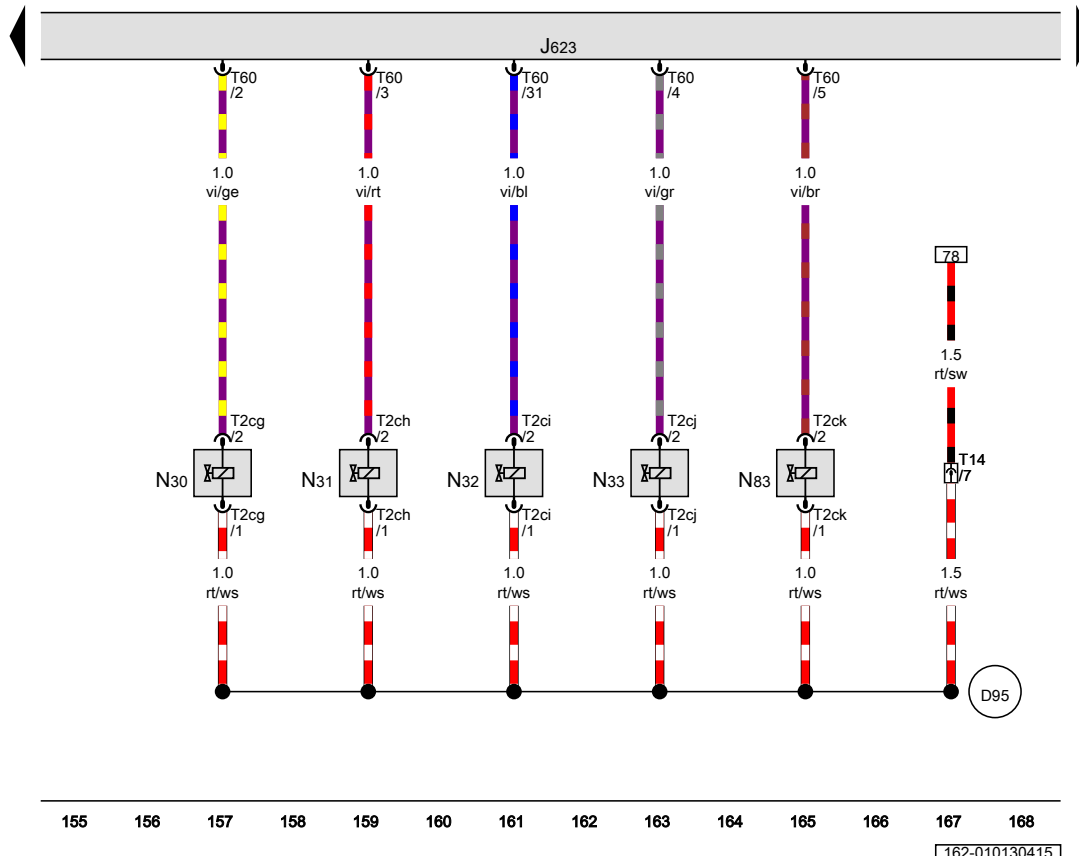


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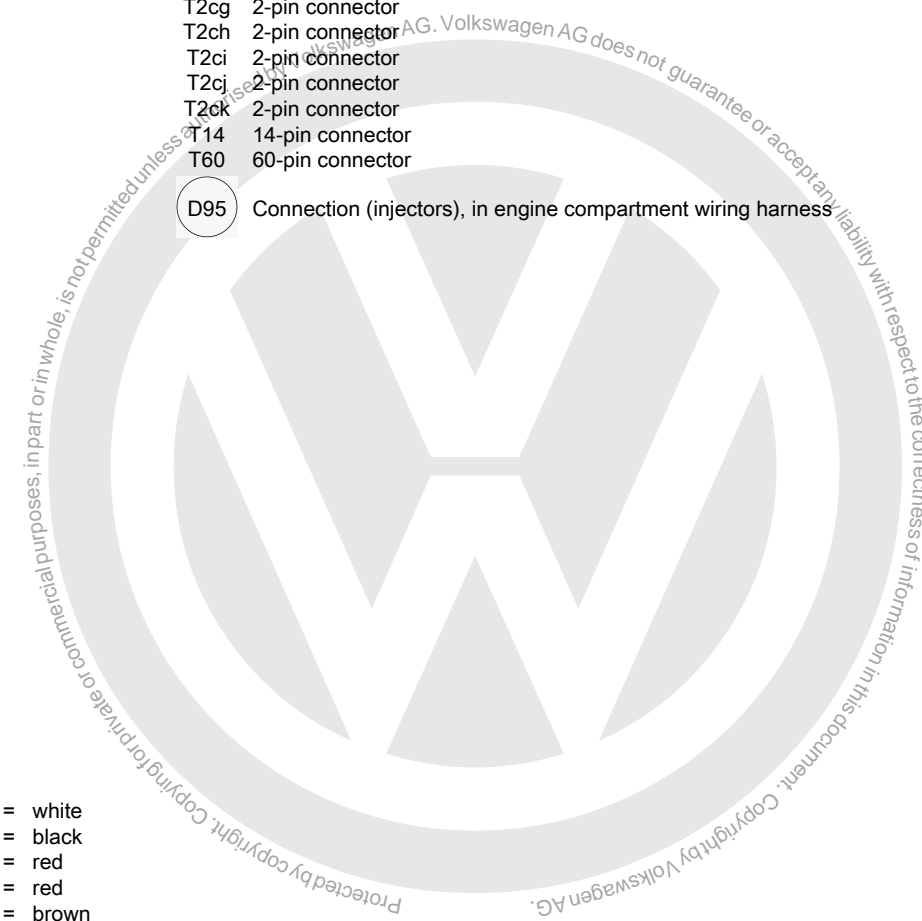
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ck 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

D95 Connection (injectors), in engine compartment wiring harness



- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

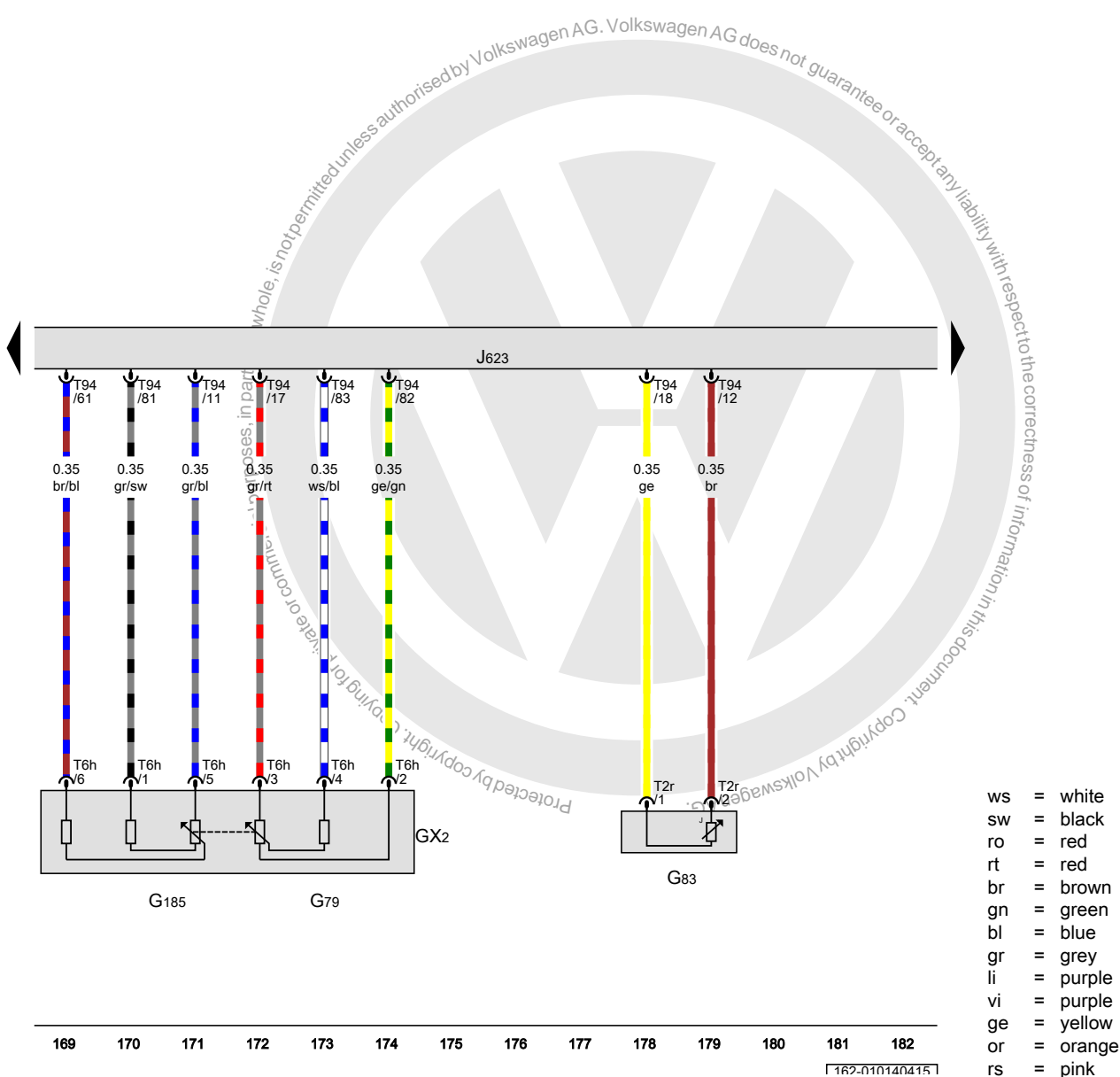


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162-010130415

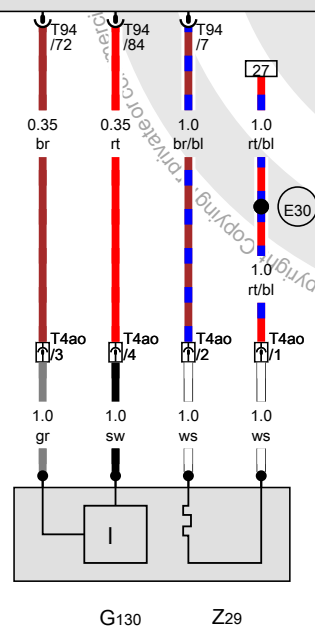
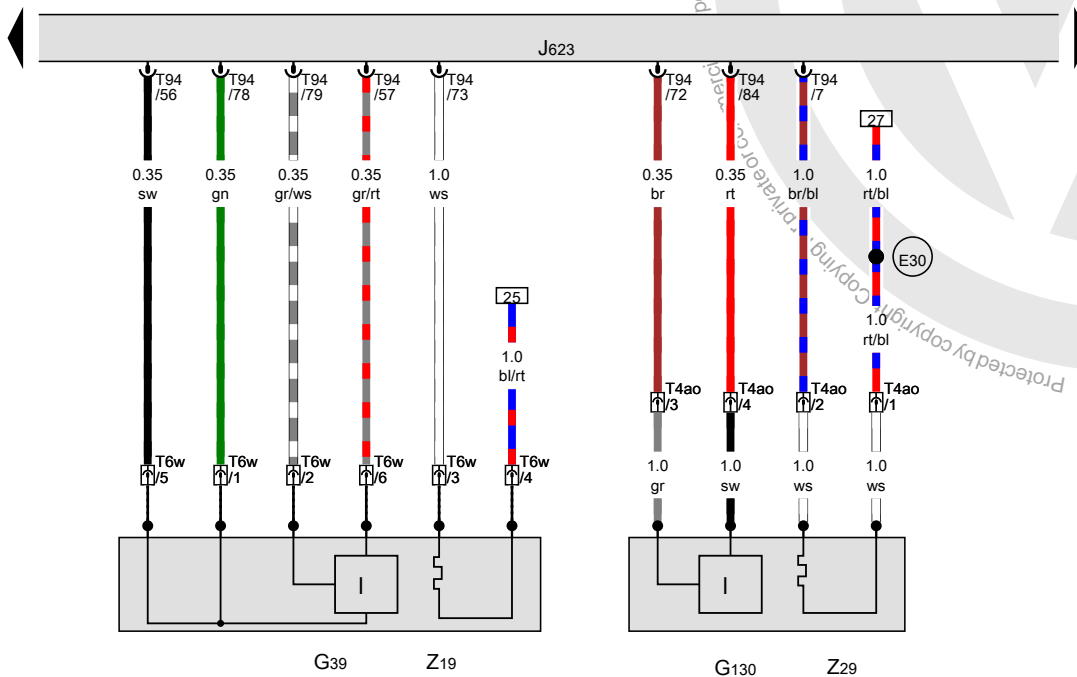
Accelerator pedal module, Radiator outlet coolant temperature sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T2r 2-pin connector
- T6h 6-pin connector
- T94 94-pin connector



Lambda probe, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

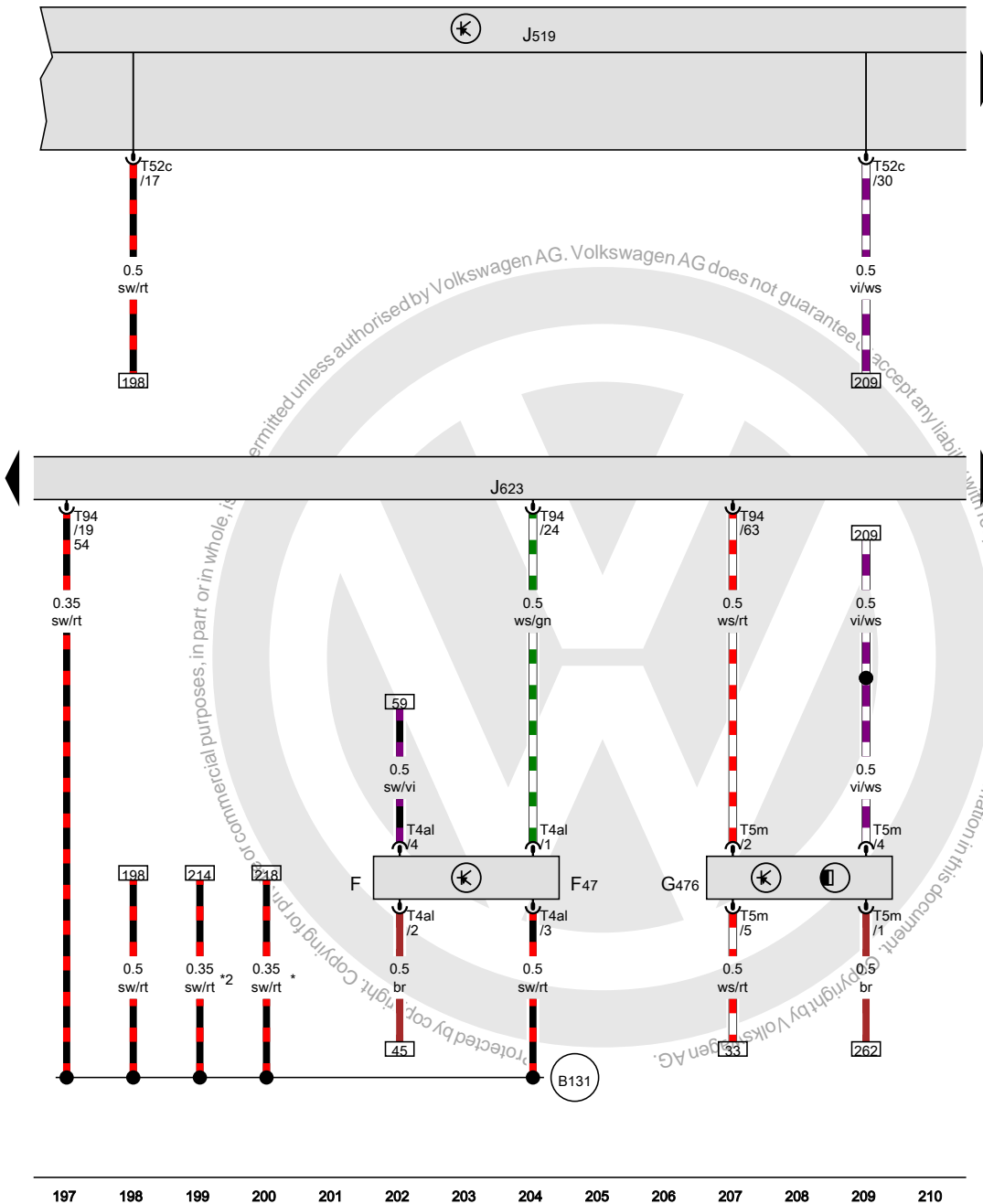
162-010150415

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with ABS and no ESP



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210

[162-010160415]

Oil pressure switch for reduced oil pressure, Onboard supply control unit, Engine control unit

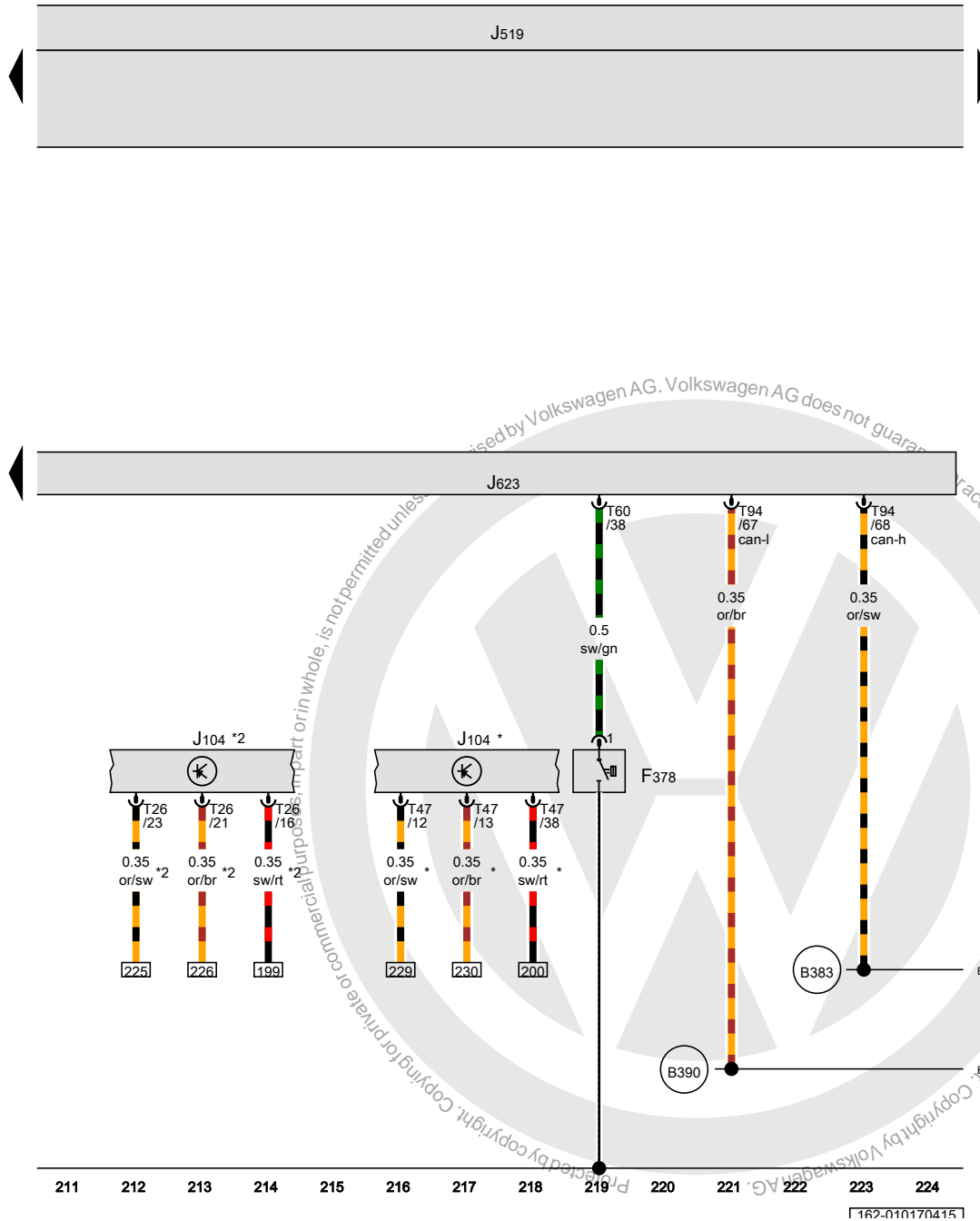
- F378 Oil pressure switch for reduced oil pressure
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T60 60-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

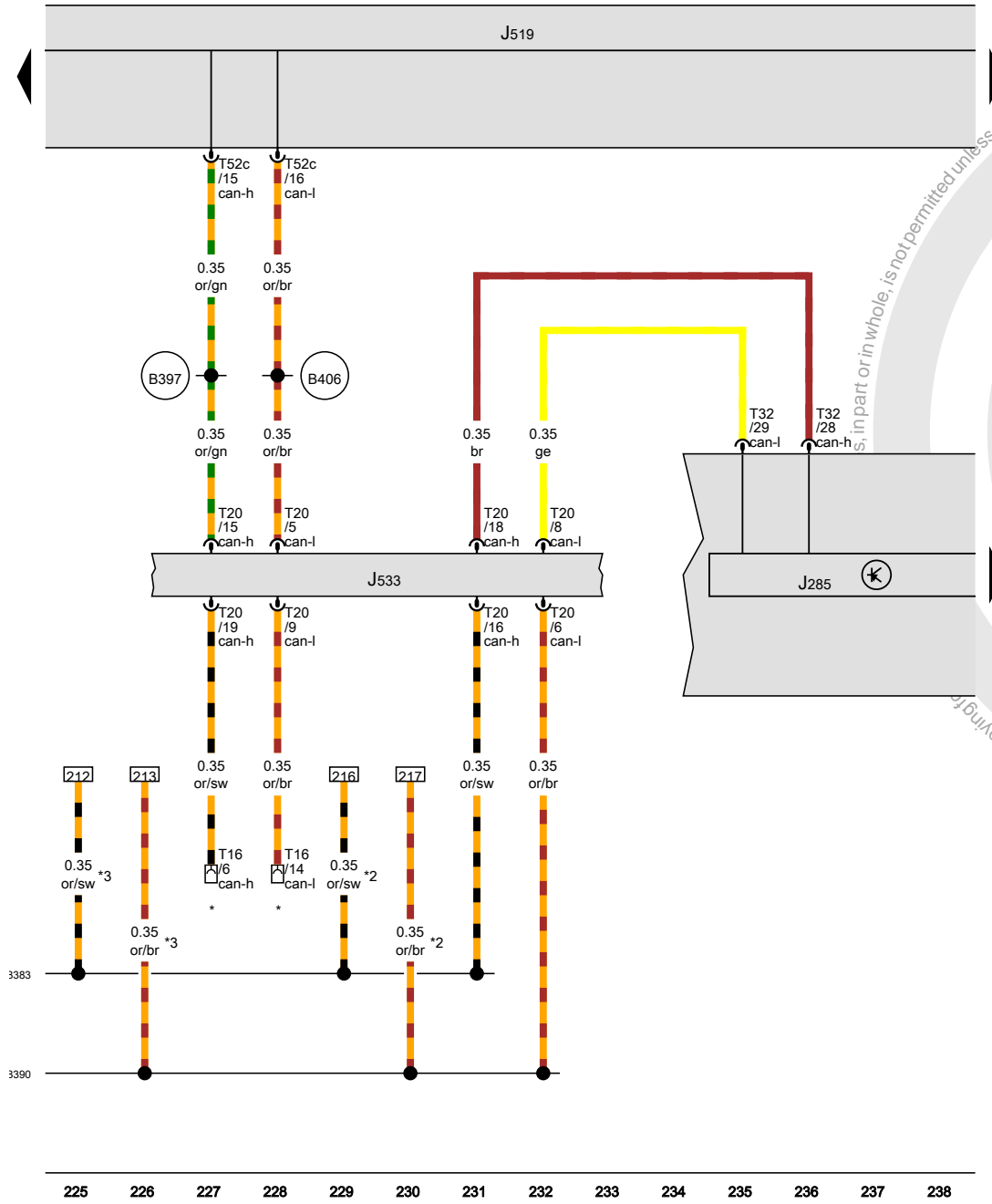
* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-010170415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

3383
3390

225 226 227 228 229 230 231 232 233 234 235 236 237 238

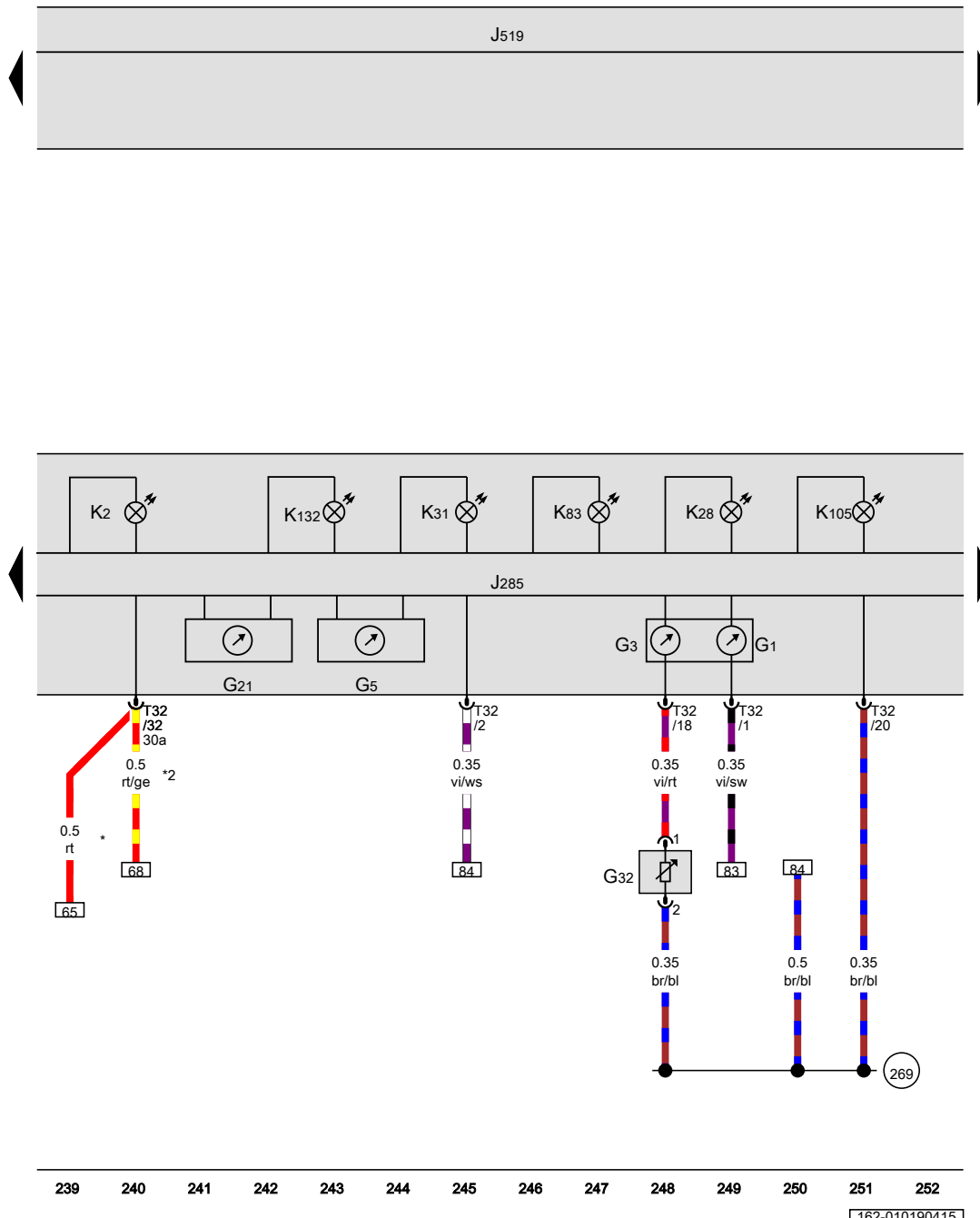
[162-010180415]

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness

- * gradual introduction
- *2 Gradually discontinued



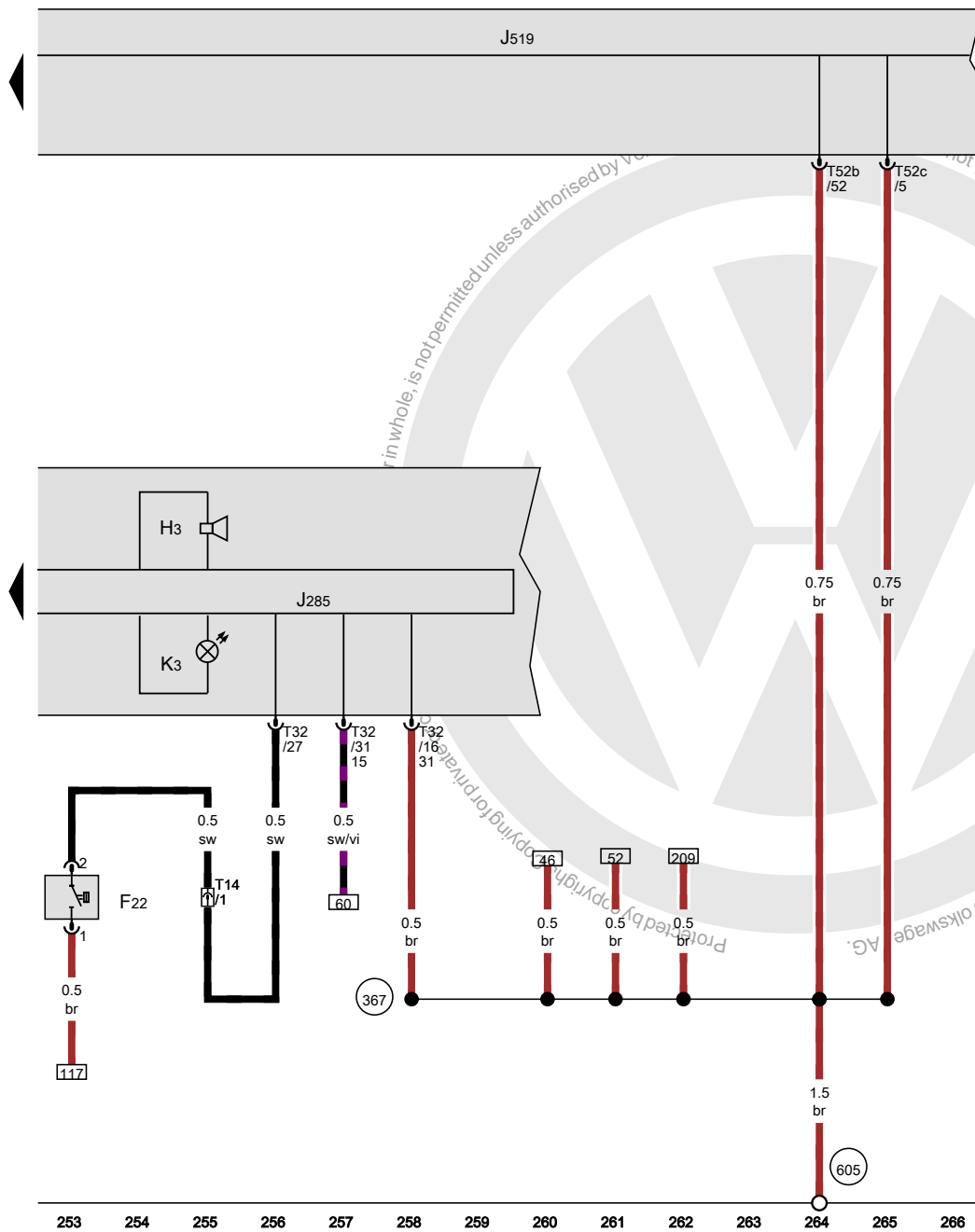
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Control unit in dash panel insert, Onboard supply control unit

- F22 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

367 Earth connection 2, in main wiring harness

605 Earth point, on top end of steering column



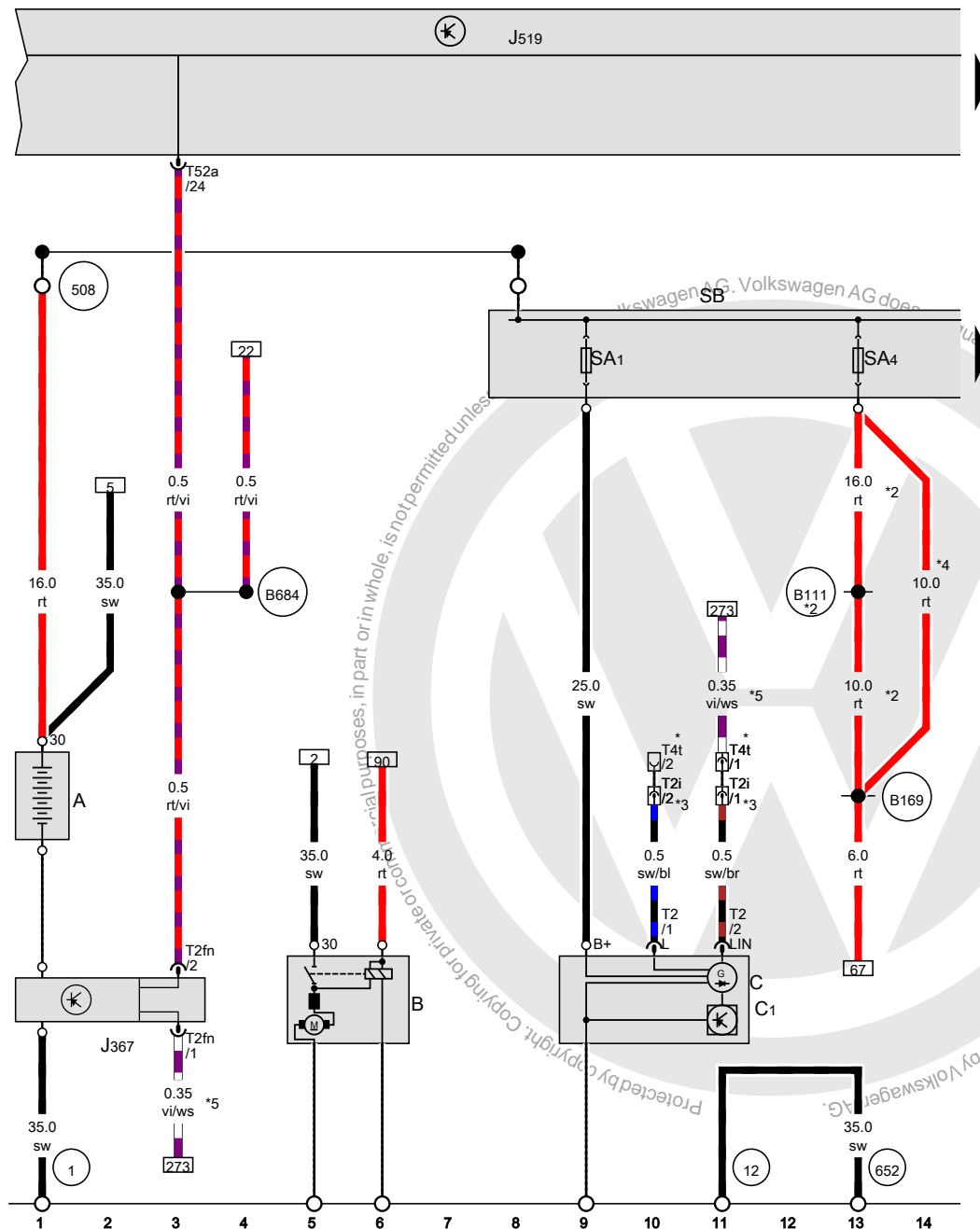
- ws = white
- sw = black
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- br = brown
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-010200415

1.6l diesel engine with start/stop system , CAYC

From October 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2fn 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52a 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B684 Positive connection 24 (30a) in main wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 gradual introduction
- *5 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-011020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

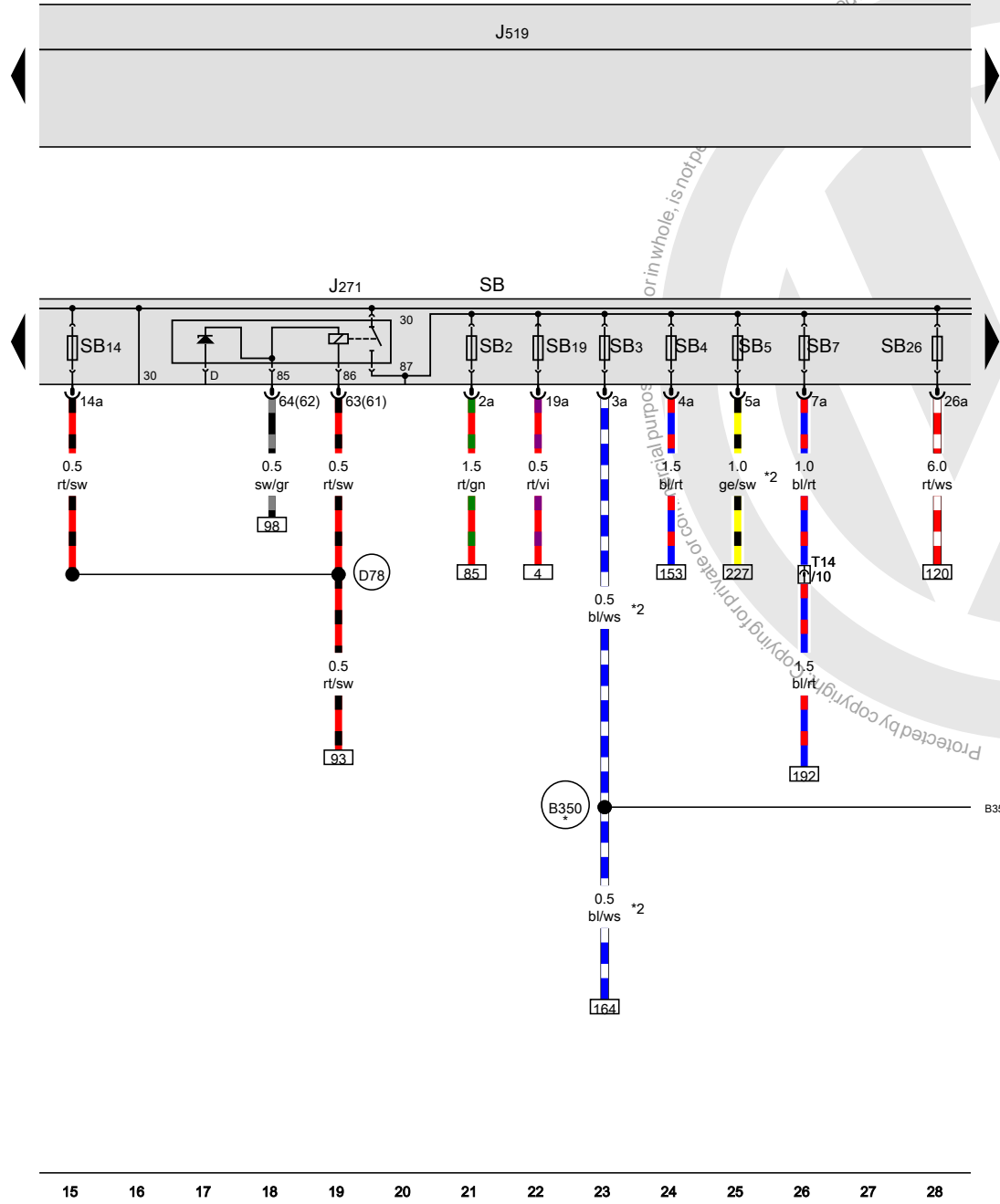
- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB26 Fuse 26 on fuse holder B
- T14 14-pin connector, near battery

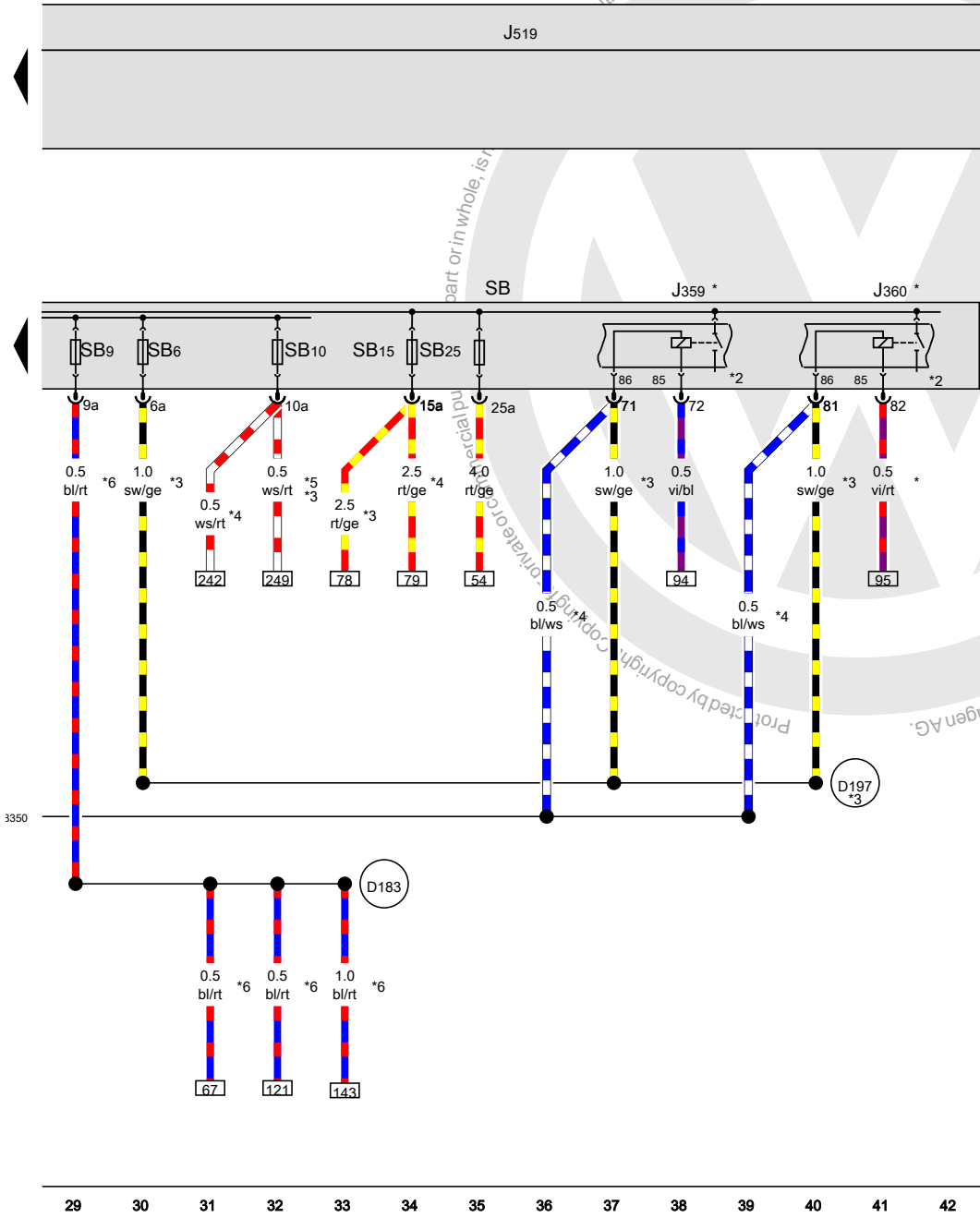
(B350) Positive connection 1 (87a) in main wiring harness

(D78) Positive connection 1 (30a), in engine compartment wiring harness

* gradual introduction

*2 Wiring colour depends on equipment





Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB25 Fuse 25 on fuse holder B

- (B350) Positive connection 1 (87a) in main wiring harness
- (D183) Connection 4 (87a) in engine compartment wiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness

- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Gradually discontinued
- *4 gradual introduction
- *5 Only models with manual gearbox
- *6 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

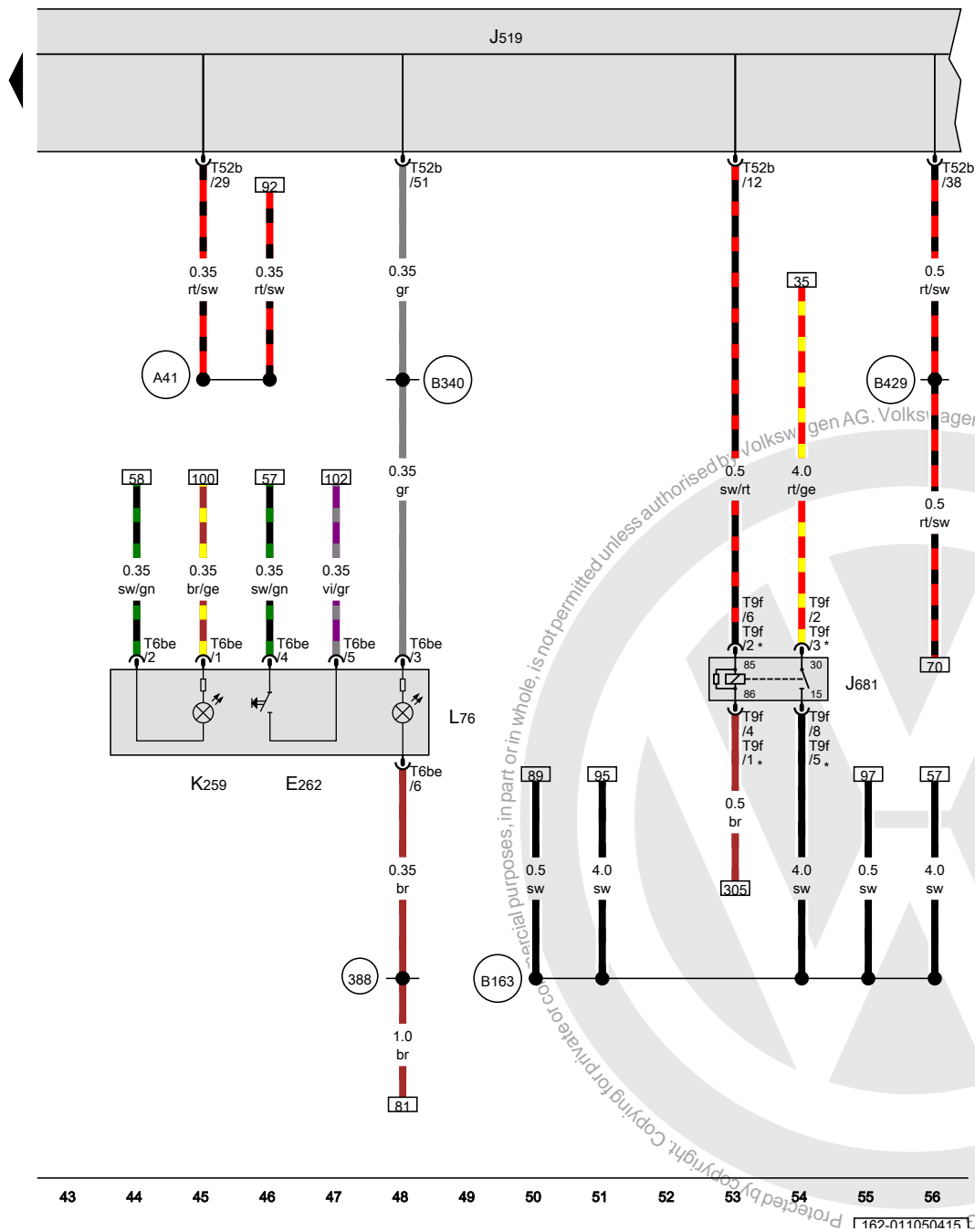
3350

162-011040415

Start/Stop operation switch, Onboard supply control unit, Terminal 15 voltage supply relay 2, Start/Stop operation warning lamp, Button illumination bulb

- E262 Start/Stop operation switch
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- T6be 6-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 388 Earth connection 23, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B429 Connection (EFPR), in main wiring harness
- gradual introduction



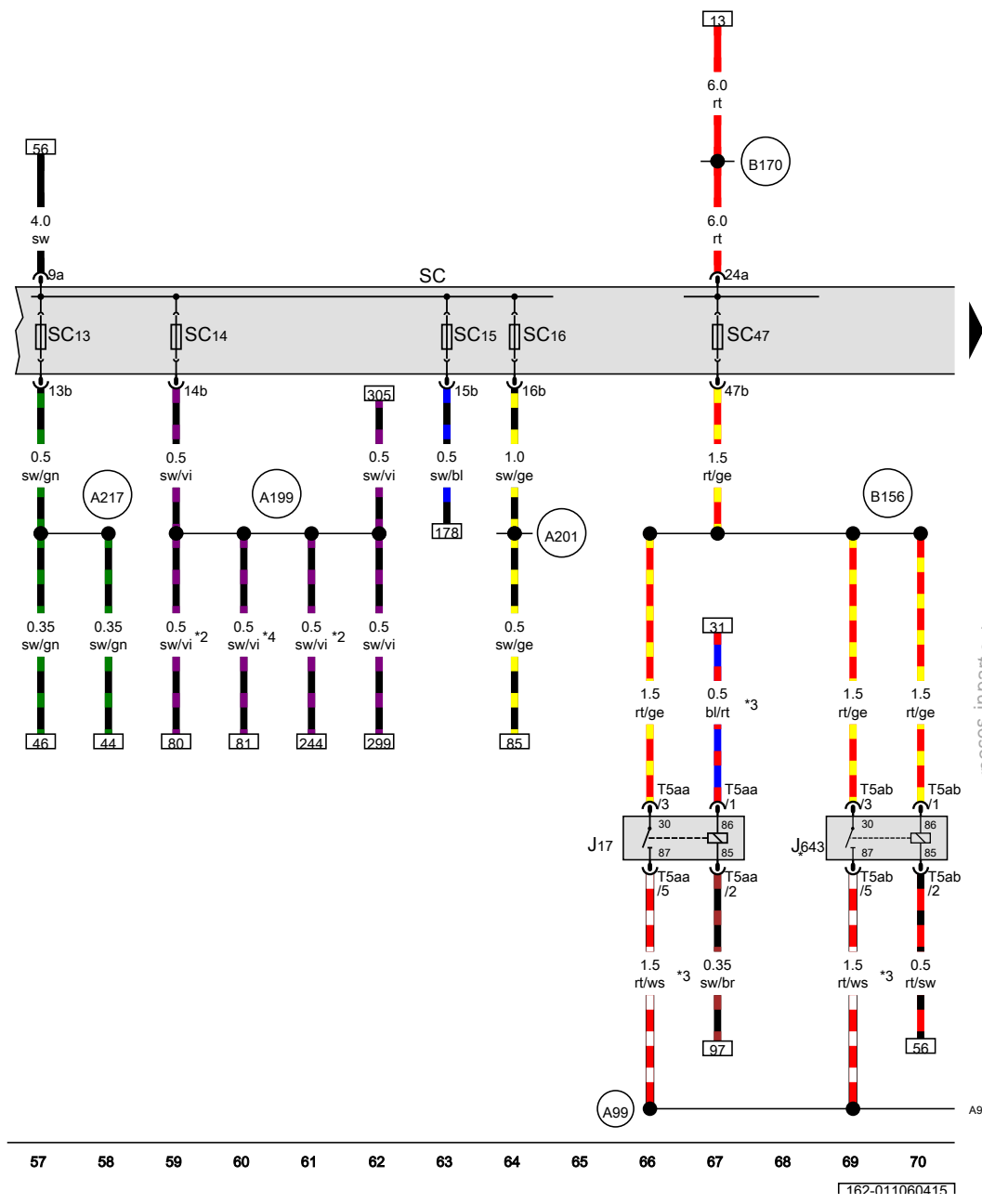
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

Fuel pump relay, Fuel supply relay, Fuse holder C

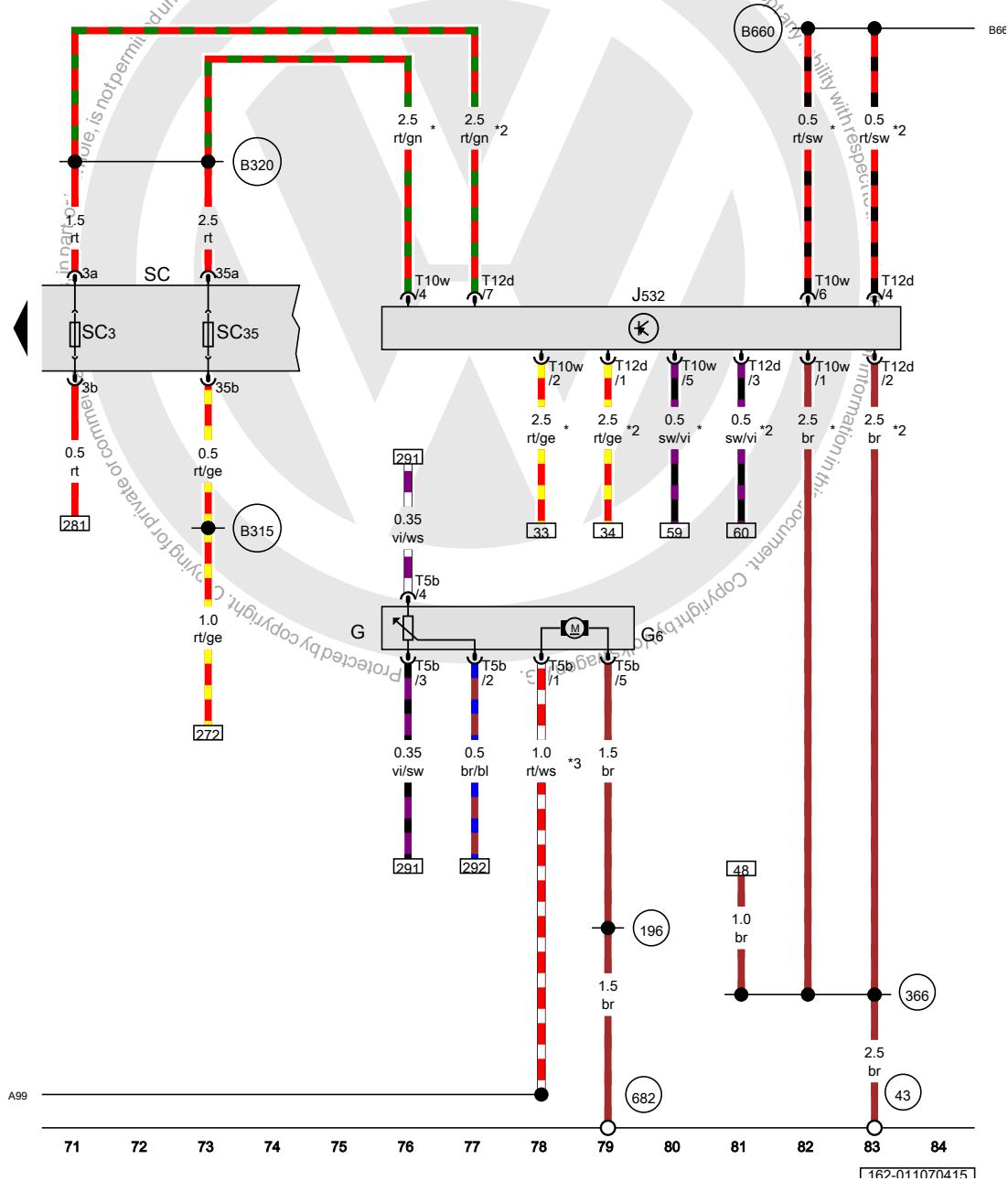
- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector

- A99 Connection 1 (87) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with auxiliary coolant heater
- *2 Gradually discontinued
- *3 Wiring colour depends on equipment
- *4 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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Fuel gauge sender, Fuel system pressurisation pump, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J532 Voltage stabiliser
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T5b 5-pin connector
- T10w 10-pin connector
- T12d 12-pin connector

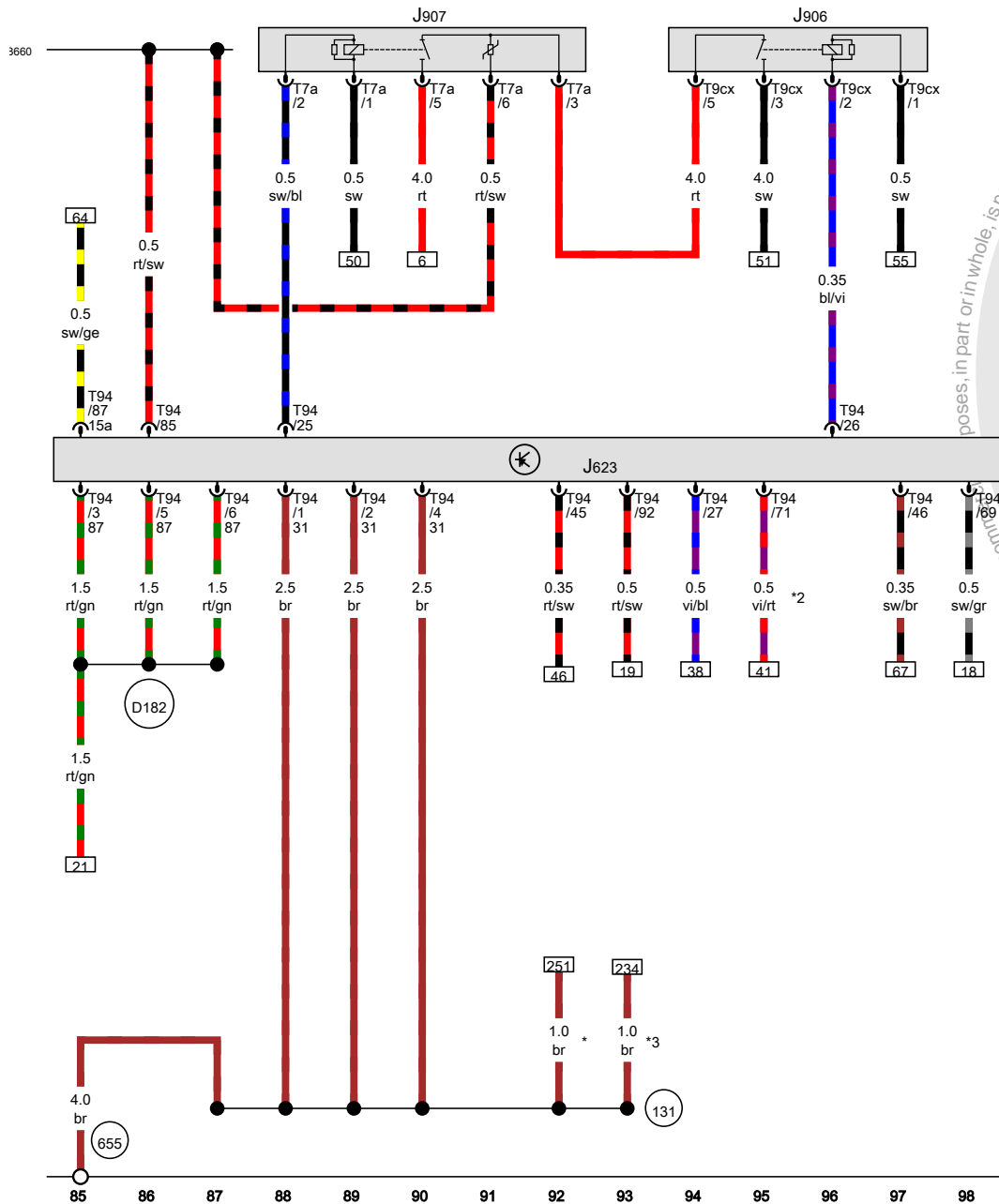
- 43 Earth point, lower part of right A-pillar
- 196 Earth connection 3, in rear wiring harness
- 366 Earth connection 1, in main wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- * Gradually discontinued
- *2 gradual introduction
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

A99

162-011070415

Engine control unit, Starter relay 1, Starter relay 2

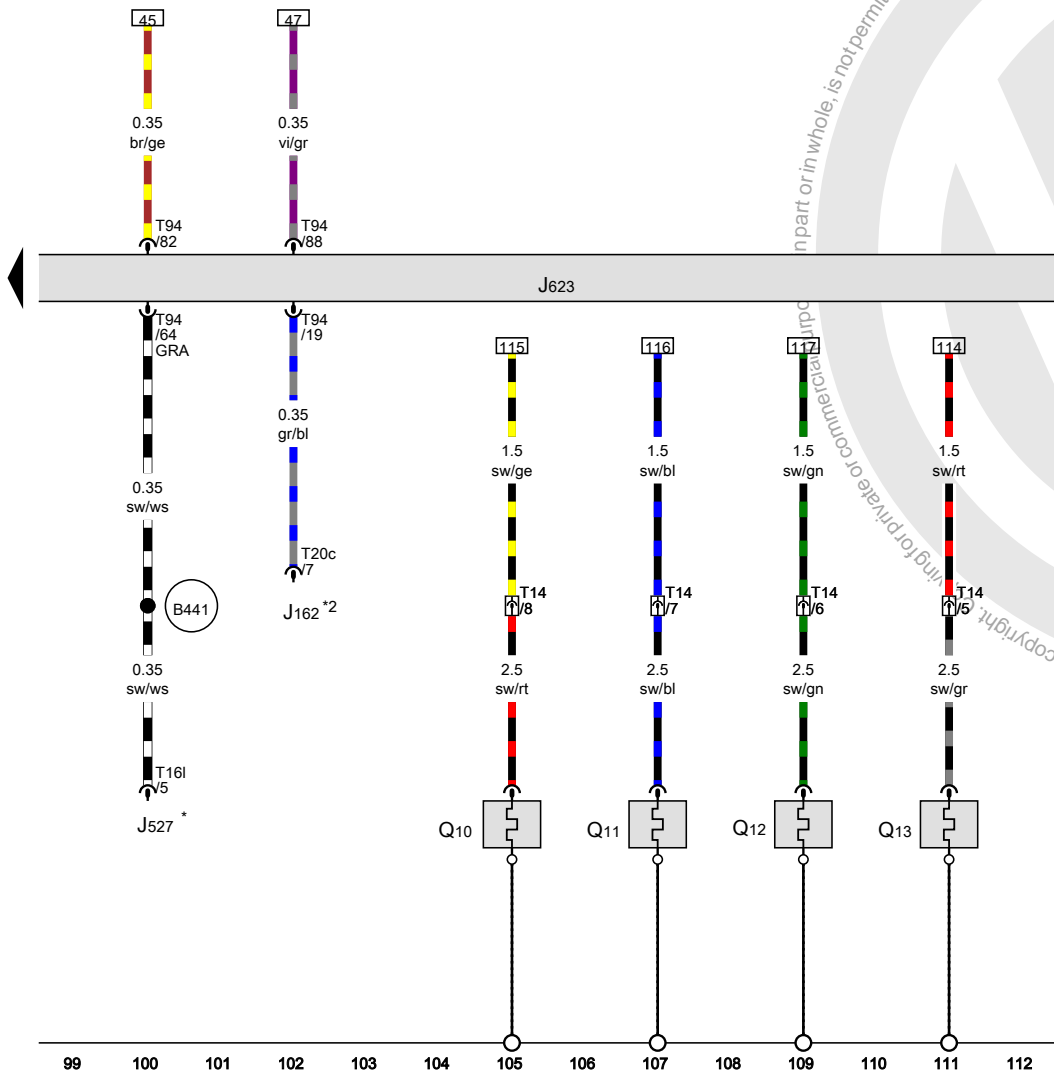


- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2
- T7a 7-pin connector
- T9cx 9-pin connector
- T94 94-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B660 Connection (diagnosis terminal 50), in main wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with manual gearbox
- *2 Only models with auxiliary air heating
- *3 Only models with crankcase breather heater element

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Heater control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J162 Heater control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T14 14-pin connector, near battery
- T16l 16-pin connector
- T20c 20-pin connector
- T94 94-pin connector
- B441 Connection (CCS), in main wiring harness
- * Only models with cruise control system (CCS)
- *2 Only models with auxiliary air heating



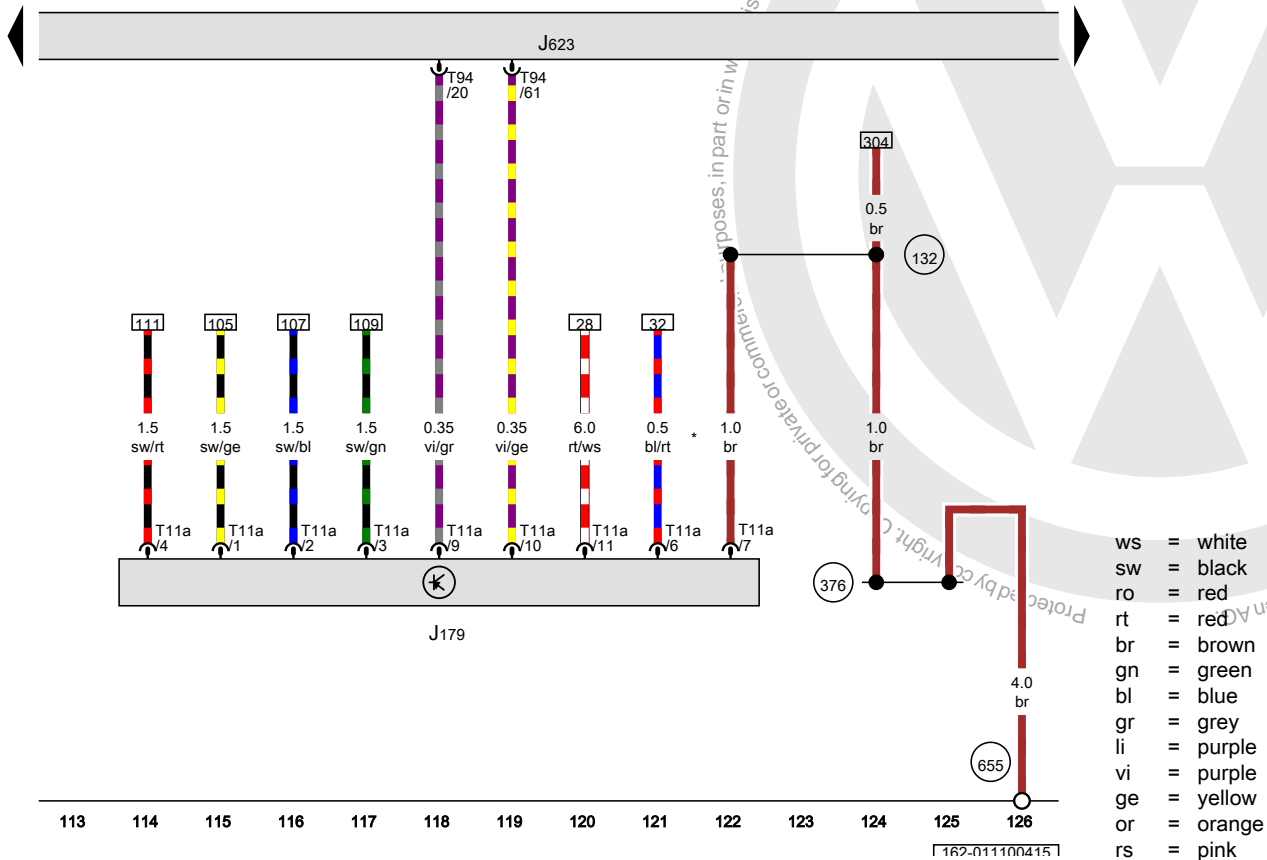
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Automatic glow period control unit, Engine control unit

- J179 Automatic glow period control unit
- J623 Engine control unit
- T11a 11-pin connector
- T94 94-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight

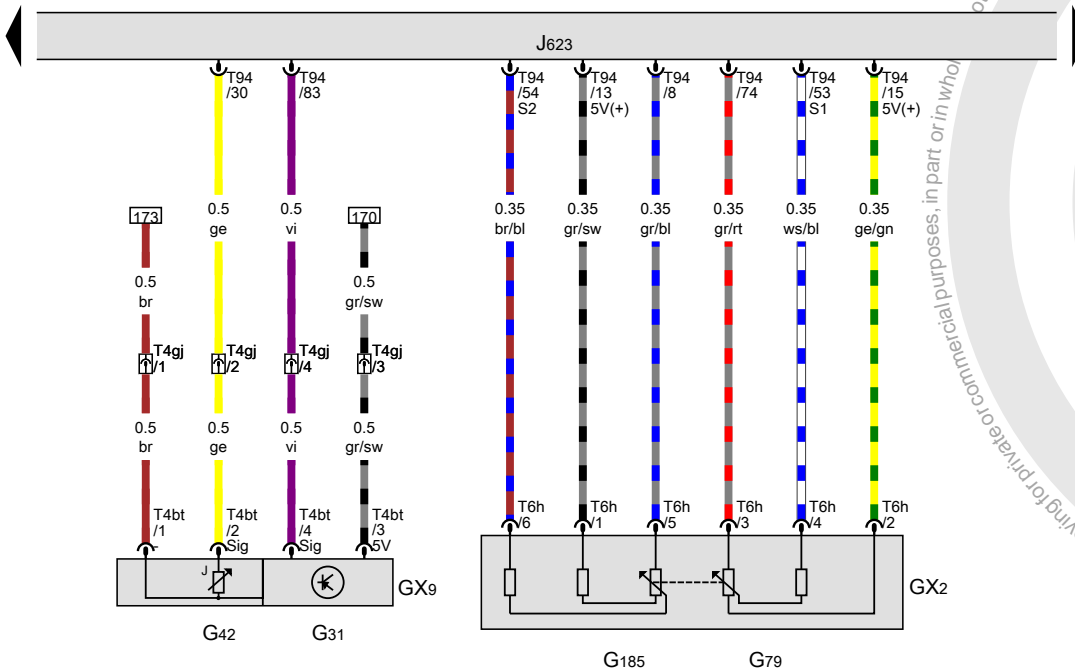
* Wiring colour depends on equipment



162-011100415

Accelerator pedal module, Intake manifold sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

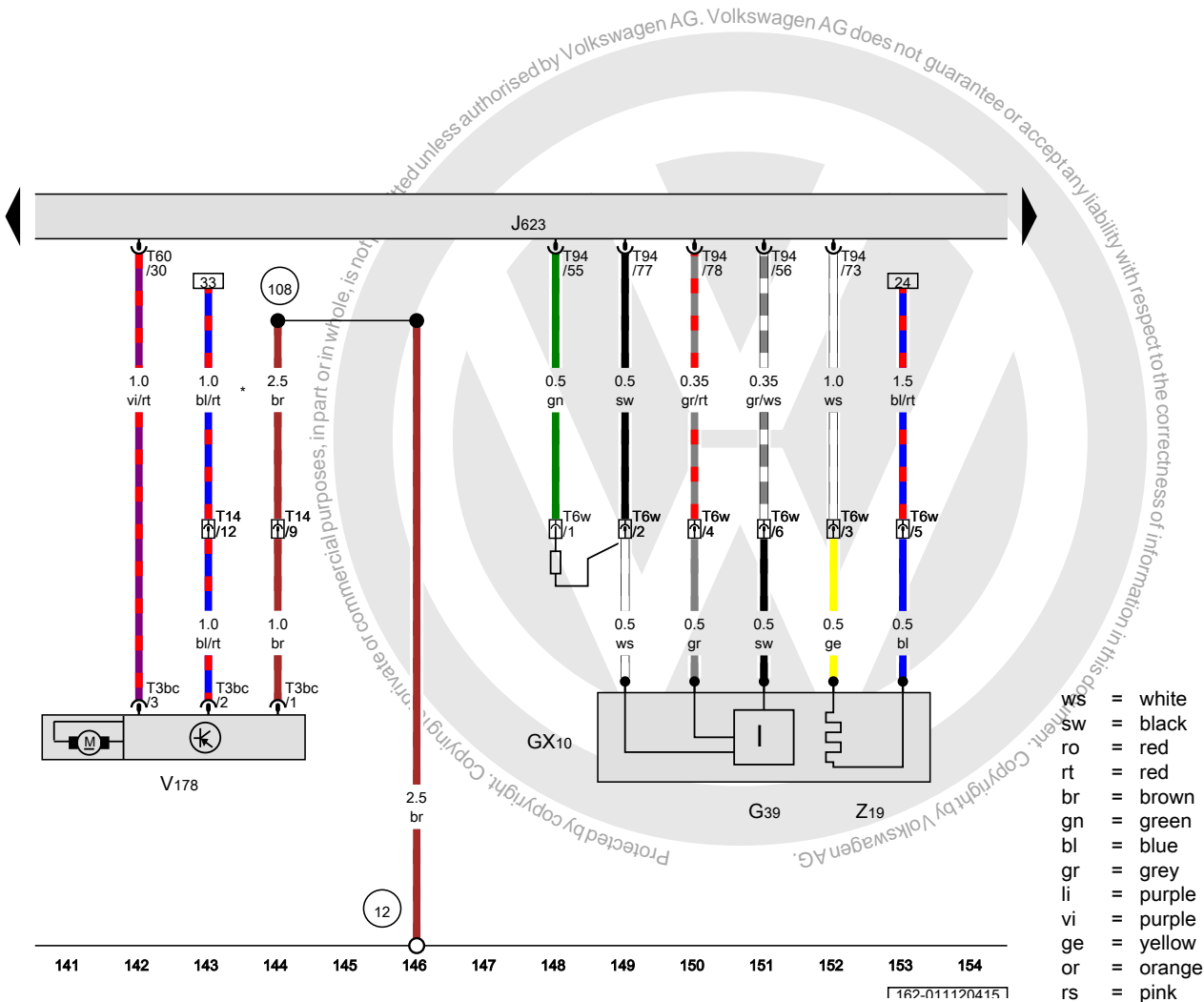
127 128 129 130 131 132 133 134 135 136 137 138 139 140

[162-011110415]

Lambda probe, Engine control unit, Coolant circulation pump 2

- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- T3bc 3-pin connector
- T6w 6-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2
- Z19 Lambda probe heater

- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- * Wiring colour depends on equipment



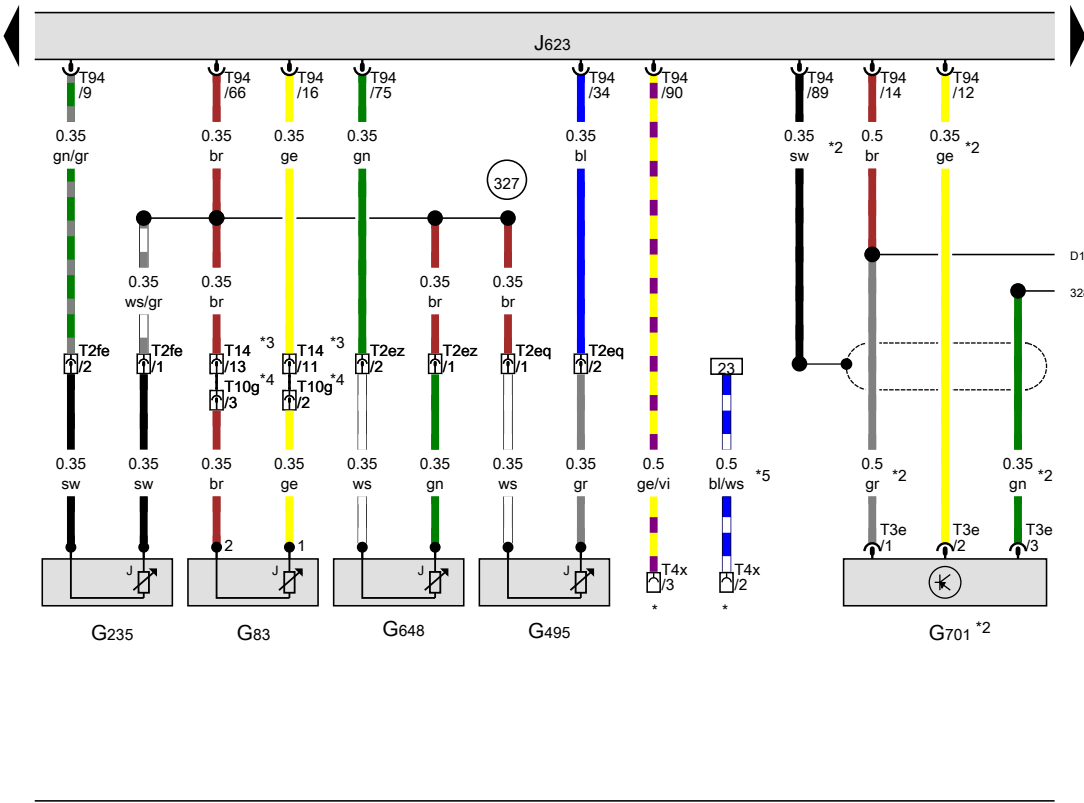
162-011120415

Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T2eq 2-pin connector
- T2ez 2-pin connector
- T2fe 2-pin connector
- T3e 3-pin connector
- T4x 4-pin connector
- T10g 10-pin connector
- T14 14-pin connector
- T94 94-pin connector

- 327 Earth connection (sender earth), in engine compartment wiring harness
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness

- * Radiator fan connection
- *2 Only models with manual gearbox
- *3 gradually introduction
- *4 Gradually discontinued
- *5 Wiring colour depends on equipment



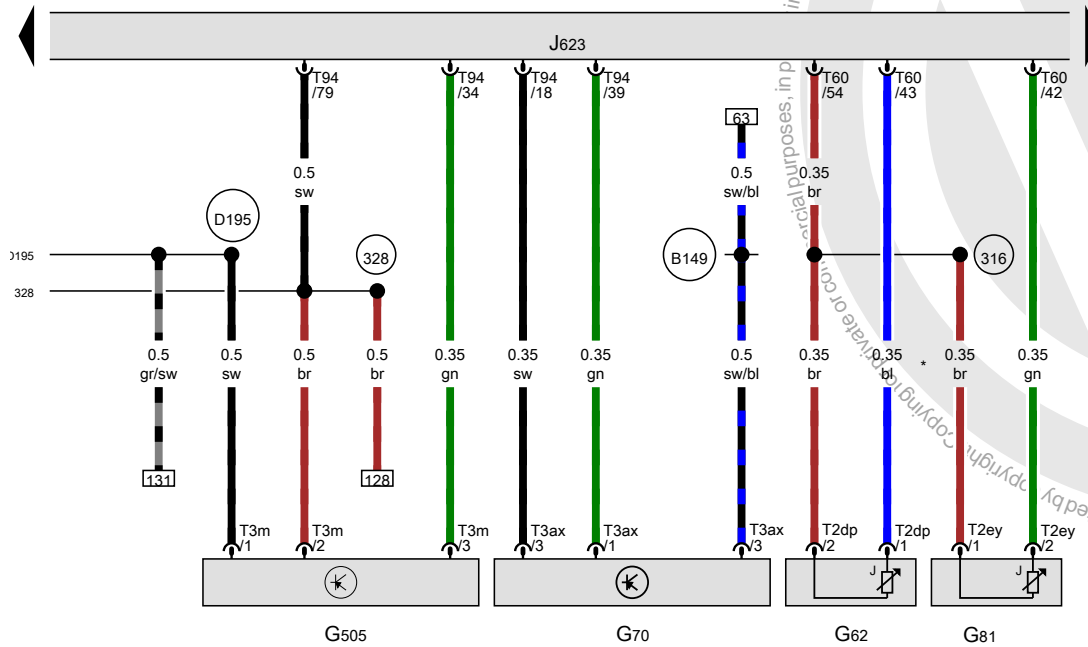
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Coolant temperature sender, Air mass meter, Fuel temperature sender, Engine control unit

- G62 Coolant temperature sender
- G70 Air mass meter
- G81 Fuel temperature sender
- G505 Pressure differential sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ey 2-pin connector
- T3ax 3-pin connector
- T3m 3-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 316 Earth connection (sender earth 2) in engine wiring harness
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness

* Wiring colour depends on equipment

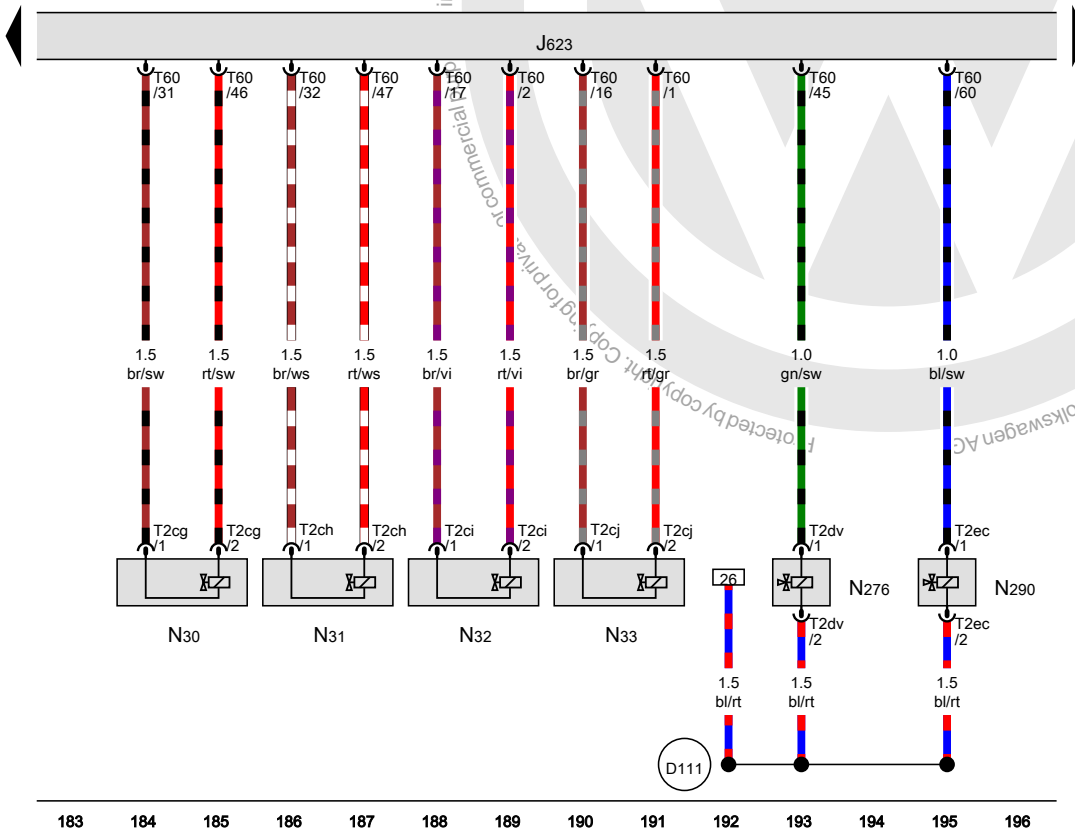


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T60 60-pin connector

D111 Connection 9 in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-011150415]

Exhaust gas recirculation valve 1, Intake manifold flap control unit, Engine speed sender, Position sender for charge pressure positioner, Engine control unit

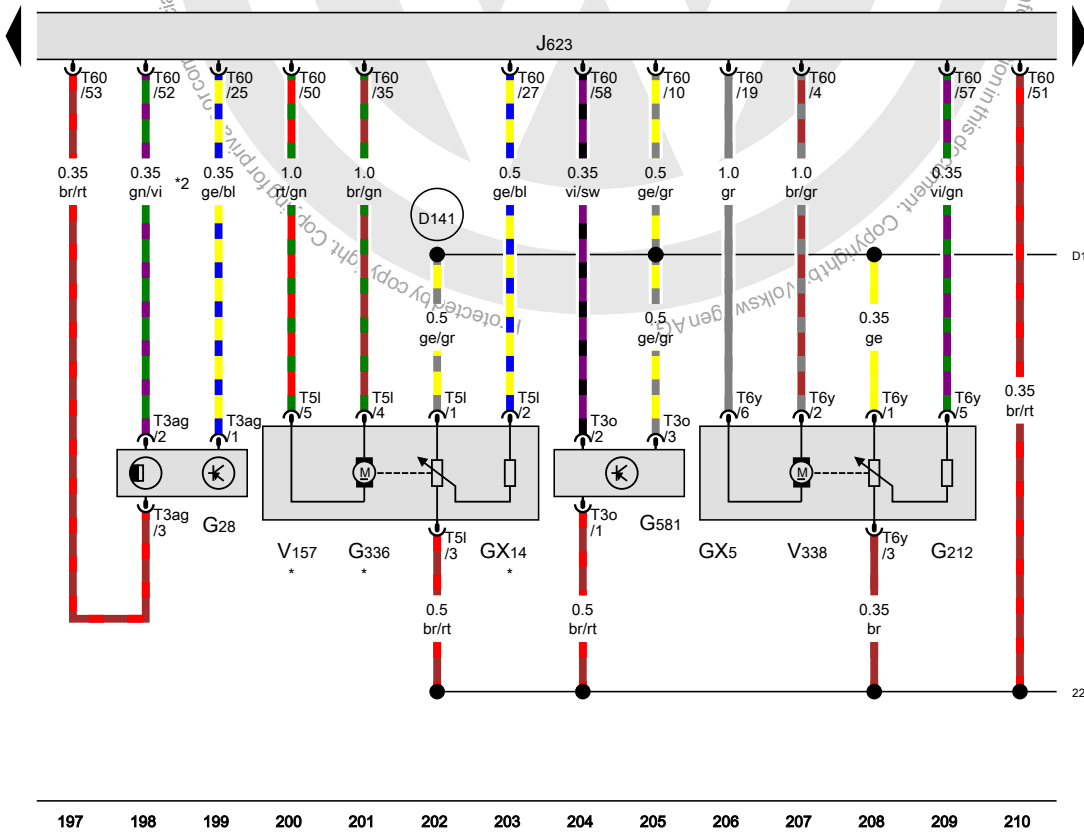
- GX5 Exhaust gas recirculation valve 1
- GX14 Intake manifold flap control unit
- G28 Engine speed sender
- G212 Exhaust gas recirculation potentiometer
- G336 Intake manifold flap potentiometer
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3ag 3-pin connector
- T3o 3-pin connector
- T5l 5-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V157 Intake manifold flap motor
- V338 Exhaust gas recirculation control motor

220 Earth connection (sender earth), in engine wiring harness

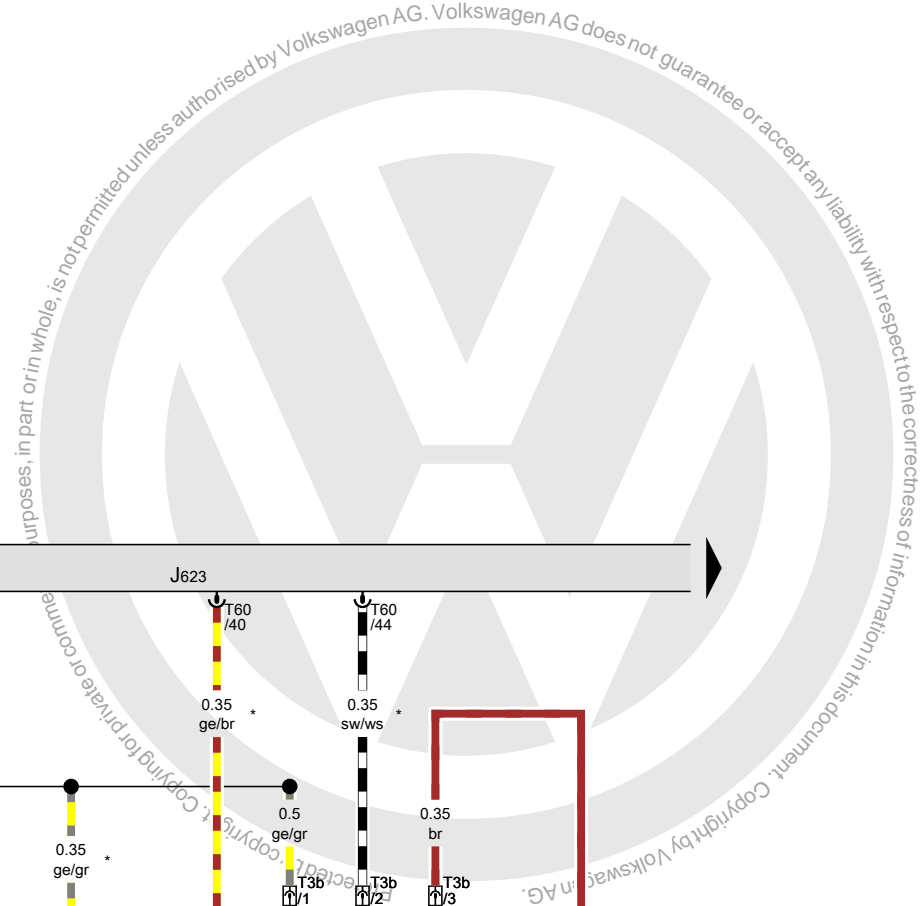
D141 Connection (5V) in engine prewiring harness

* According to equipment

*2 Wiring colour depends on equipment



162-011160415



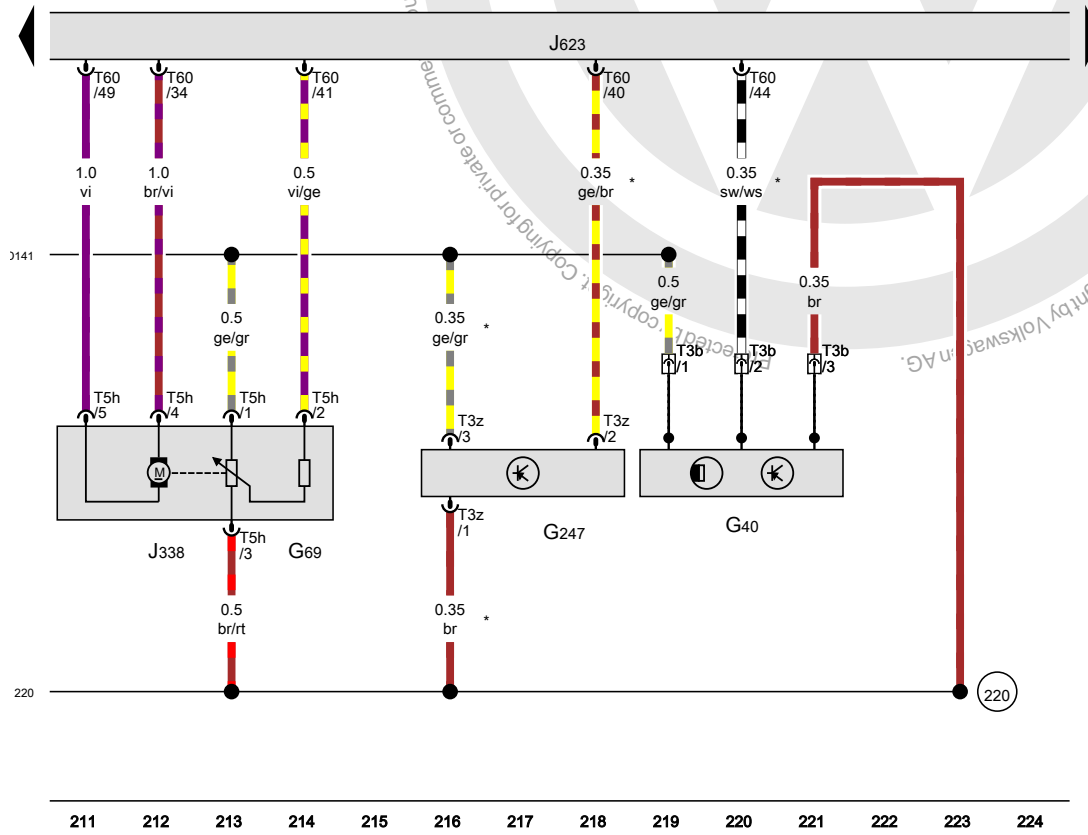
Hall sender, Throttle valve potentiometer, Fuel pressure sender, Throttle valve module, Engine control unit

- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3z 3-pin connector
- T5h 5-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

* Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

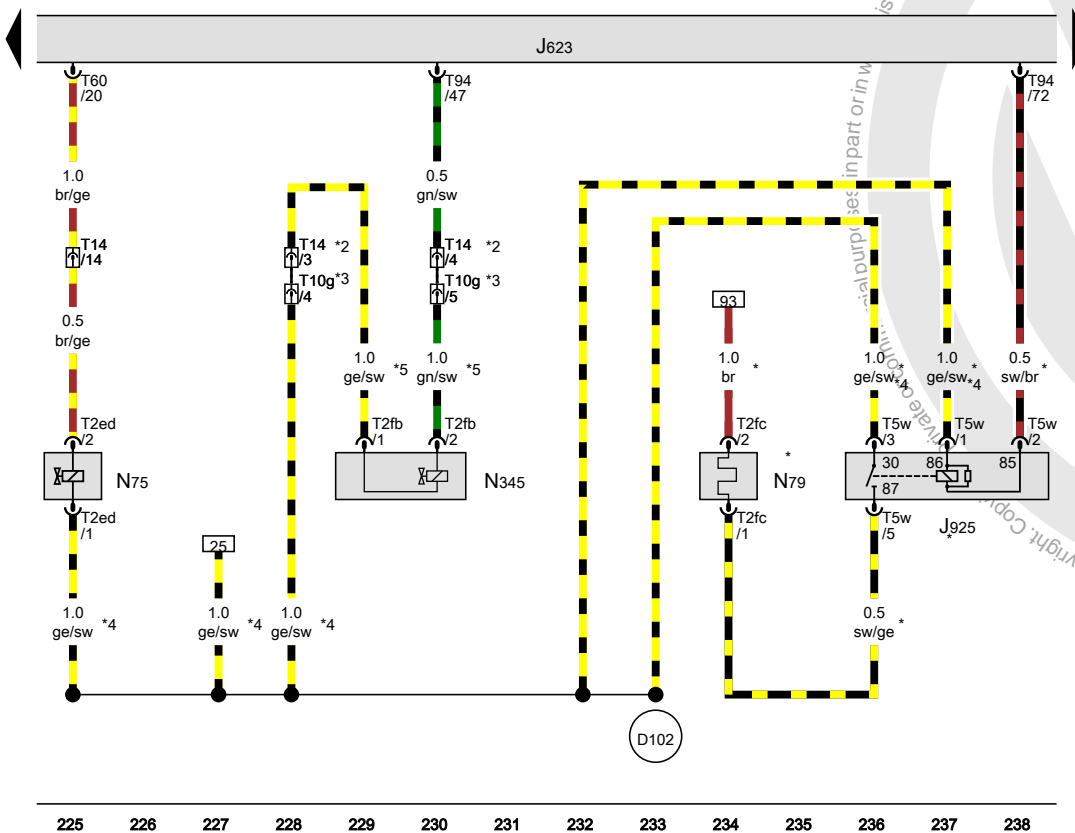
[162-011170415]

Engine control unit, Heater element relay, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve

- J623 Engine control unit
- J925 Heater element relay
- N75 Charge pressure control solenoid valve
- N79 Heater element for crankcase breather
- N345 Exhaust gas recirculation cooler changeover valve
- T2ed 2-pin connector
- T2fb 2-pin connector
- T2fc 2-pin connector
- T5w 5-pin connector
- T10g 10-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

D102 Connection 2 in engine compartment wiring harness

- * Only models with crankcase breather heater element
- *2 gradual introduction
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment
- *5 Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

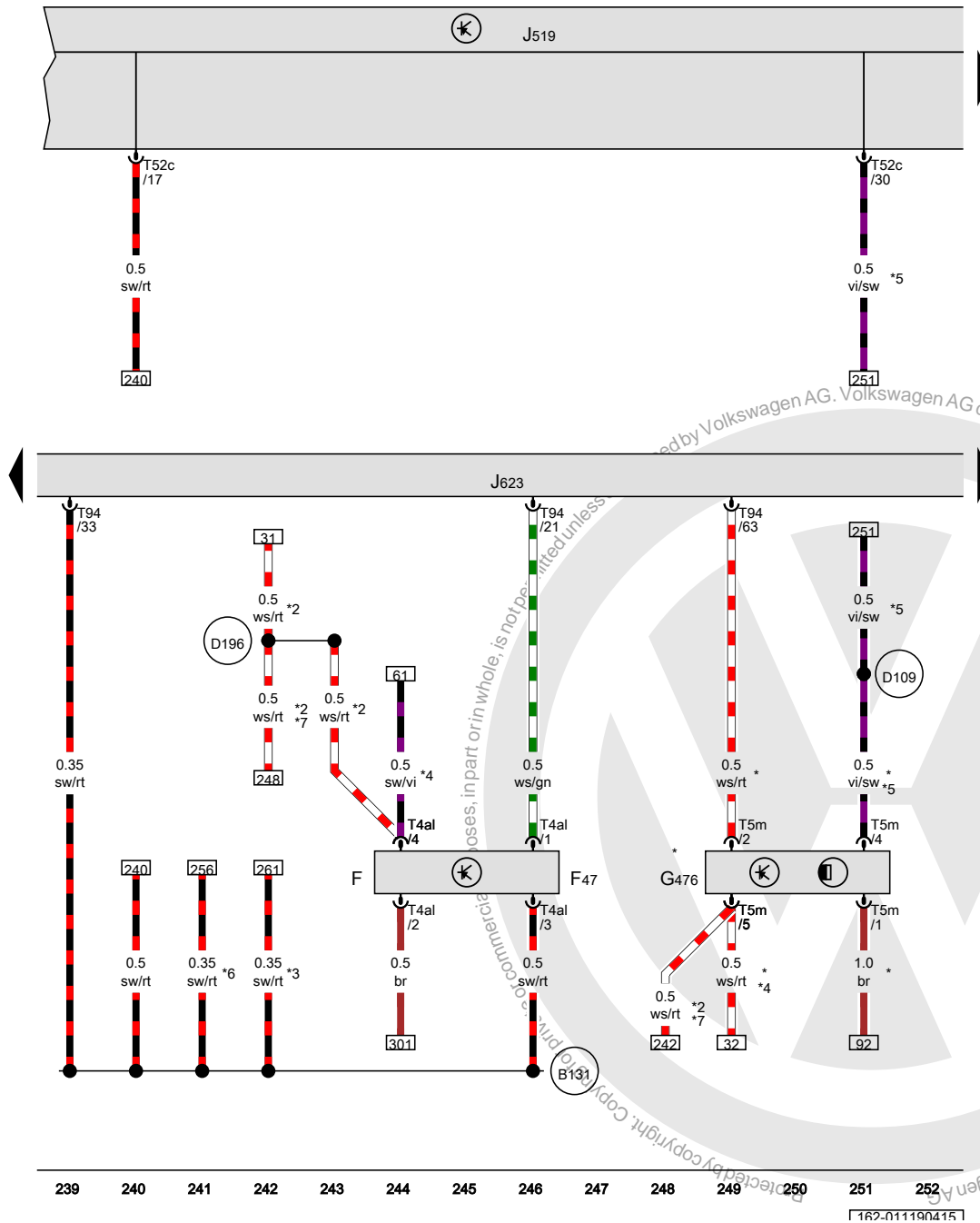
162-011180415

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

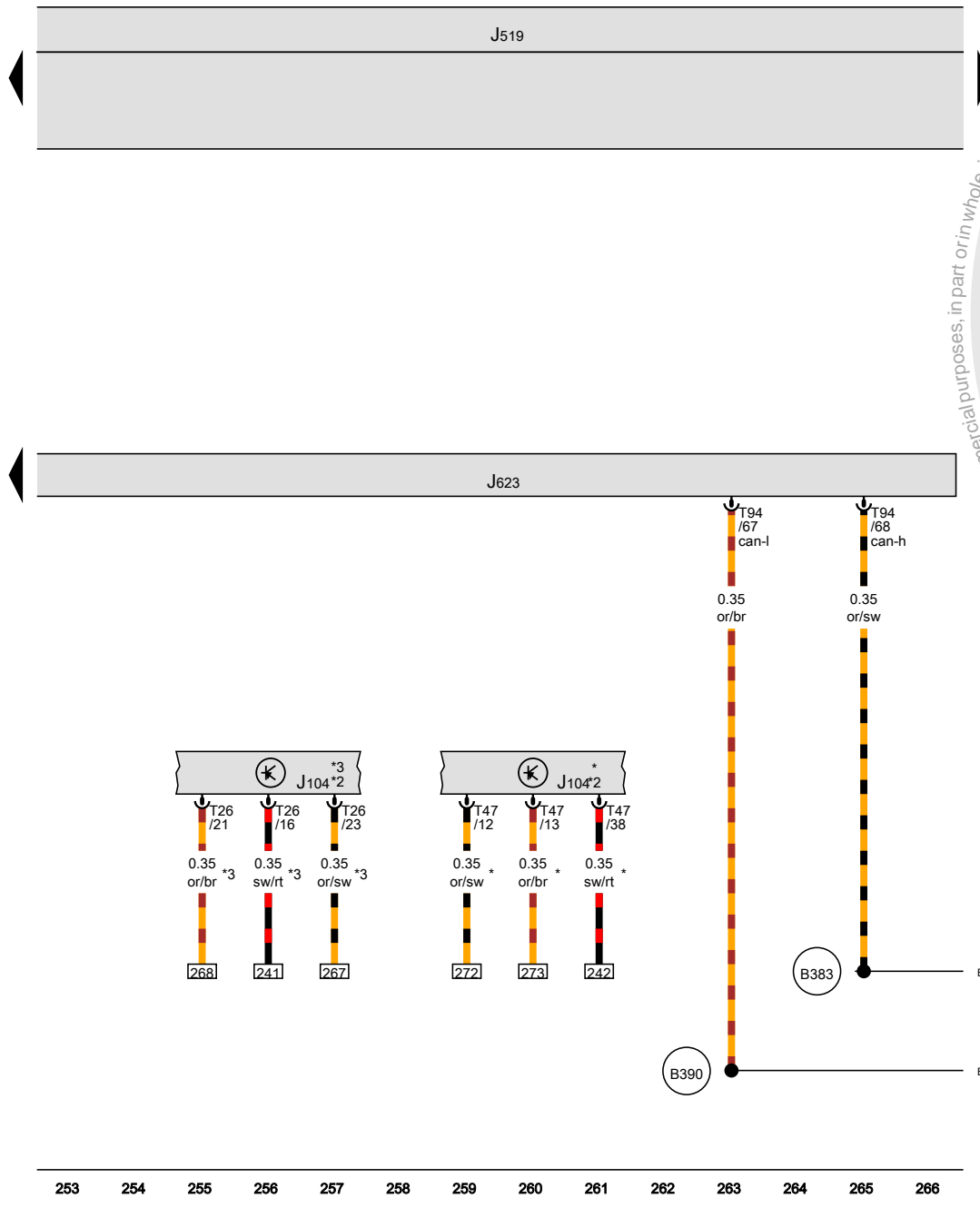
- (B131) Connection (54), in interior wiring harness
- (D109) Connection 7 in engine compartment wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness

- * Only models with manual gearbox
- *2 gradual introduction
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Gradually discontinued
- *5 Wiring colour depends on equipment
- *6 Only models with ABS and no ESP
- *7 According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-011190415



ABS control unit, Onboard supply control unit, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

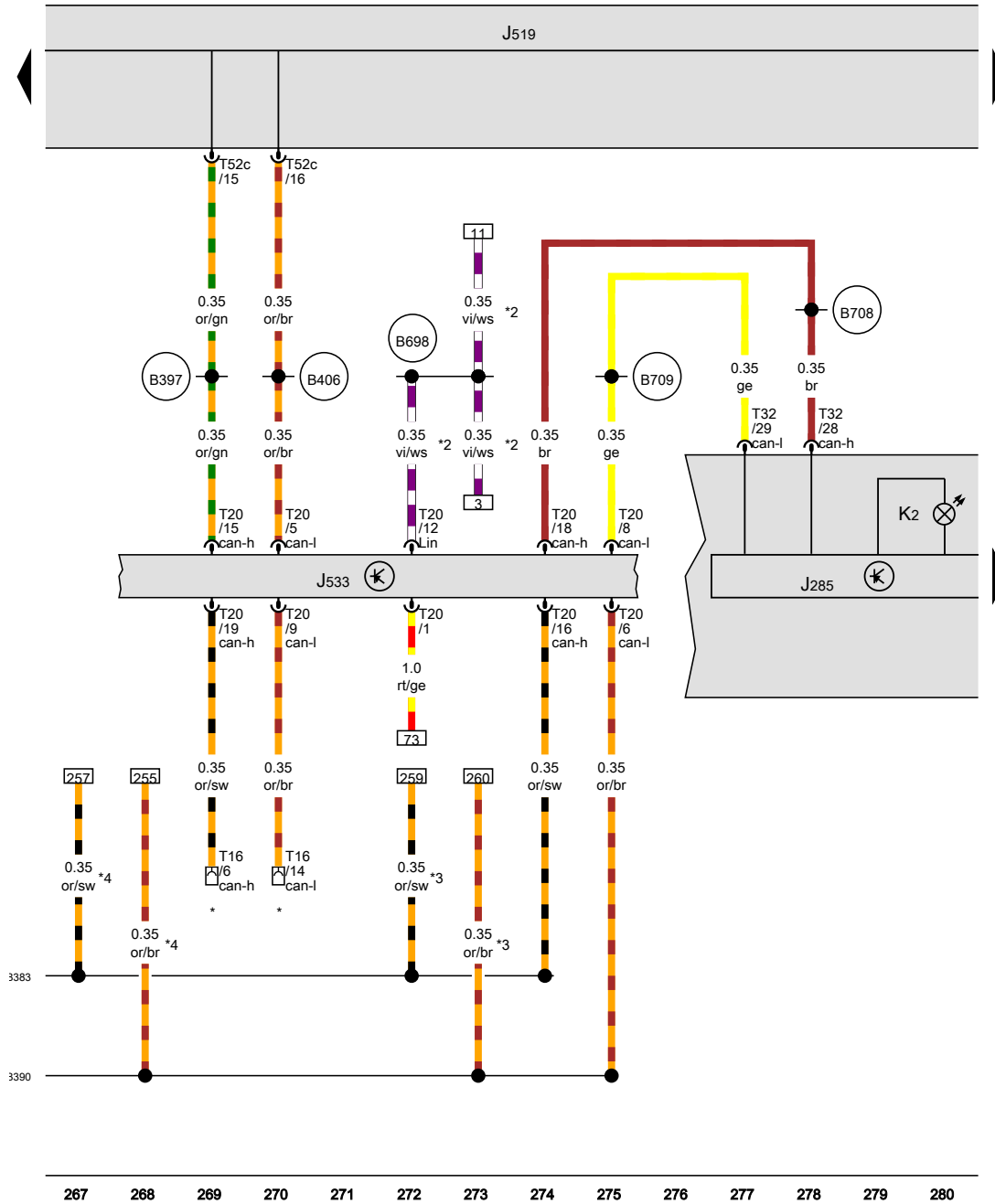
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 According to equipment
- *3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-011200415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

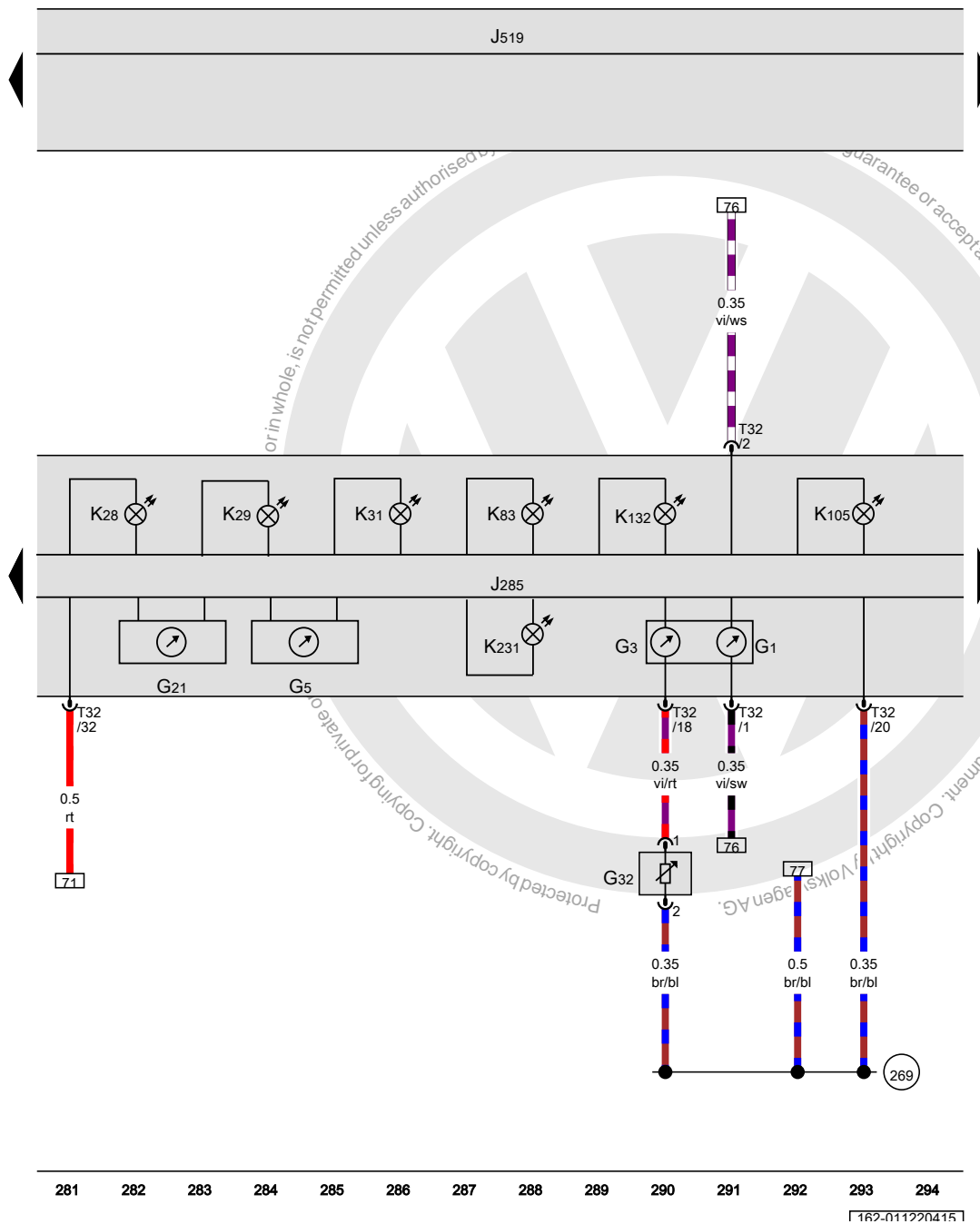
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B698) Connection 3 (LIN bus) in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Wiring colour depends on equipment
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-011210415

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Cruise control system warning lamp, Exhaust emissions warning lamp, Electronic power control fault lamp, Diesel particulate filter warning lamp

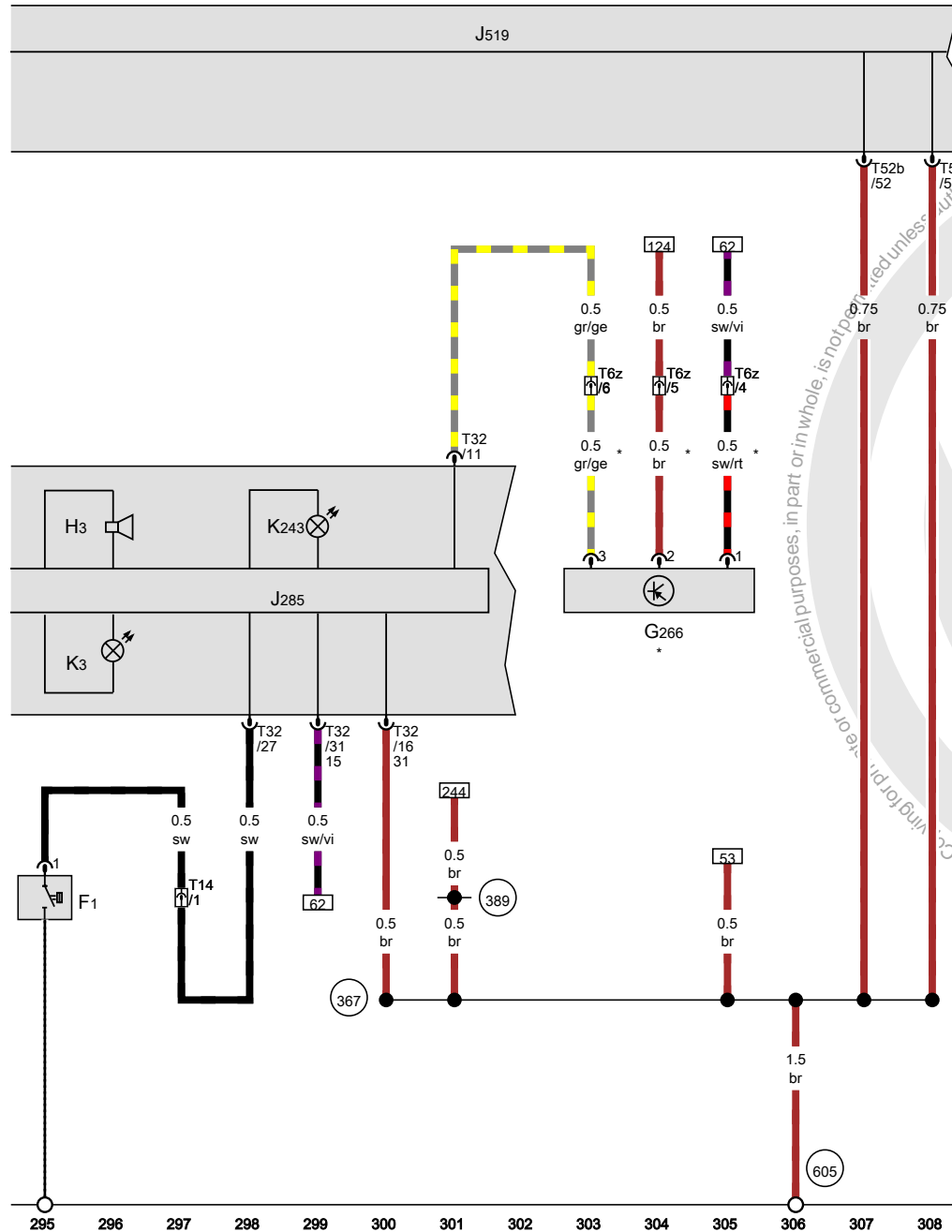
- G1 Fuel gauge
 - G3 Coolant temperature gauge
 - G5 Rev. counter
 - G21 Speedometer
 - G32 Coolant shortage indicator sender
 - J285 Control unit in dash panel insert
 - J519 Onboard supply control unit
 - K28 Coolant temperature and coolant shortage warning lamp
 - K29 Glow period warning lamp
 - K31 Cruise control system warning lamp
 - K83 Exhaust emissions warning lamp
 - K105 Reserve fuel warning lamp
 - K132 Electronic power control fault lamp
 - K231 Diesel particulate filter warning lamp
 - T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness



281 282 283 284 285 286 287 288 289 290 291 292 293 294

162-011220415

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Oil pressure warning lamp, Driving program warning light



- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K243 Driving program warning light
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with flexible service interval display

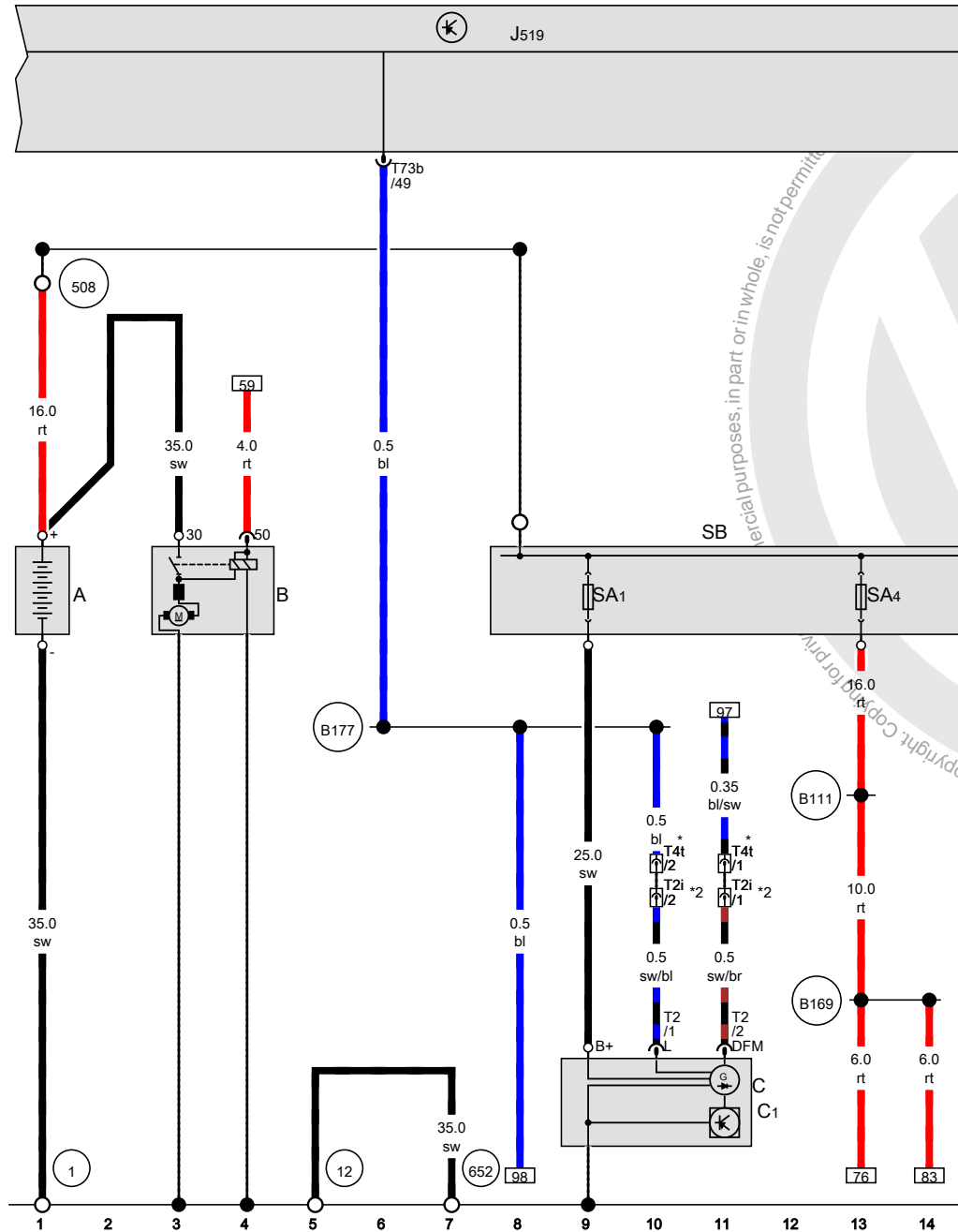
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-011230415

2.0l diesel engine , CJAA,(AW0)

From April 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

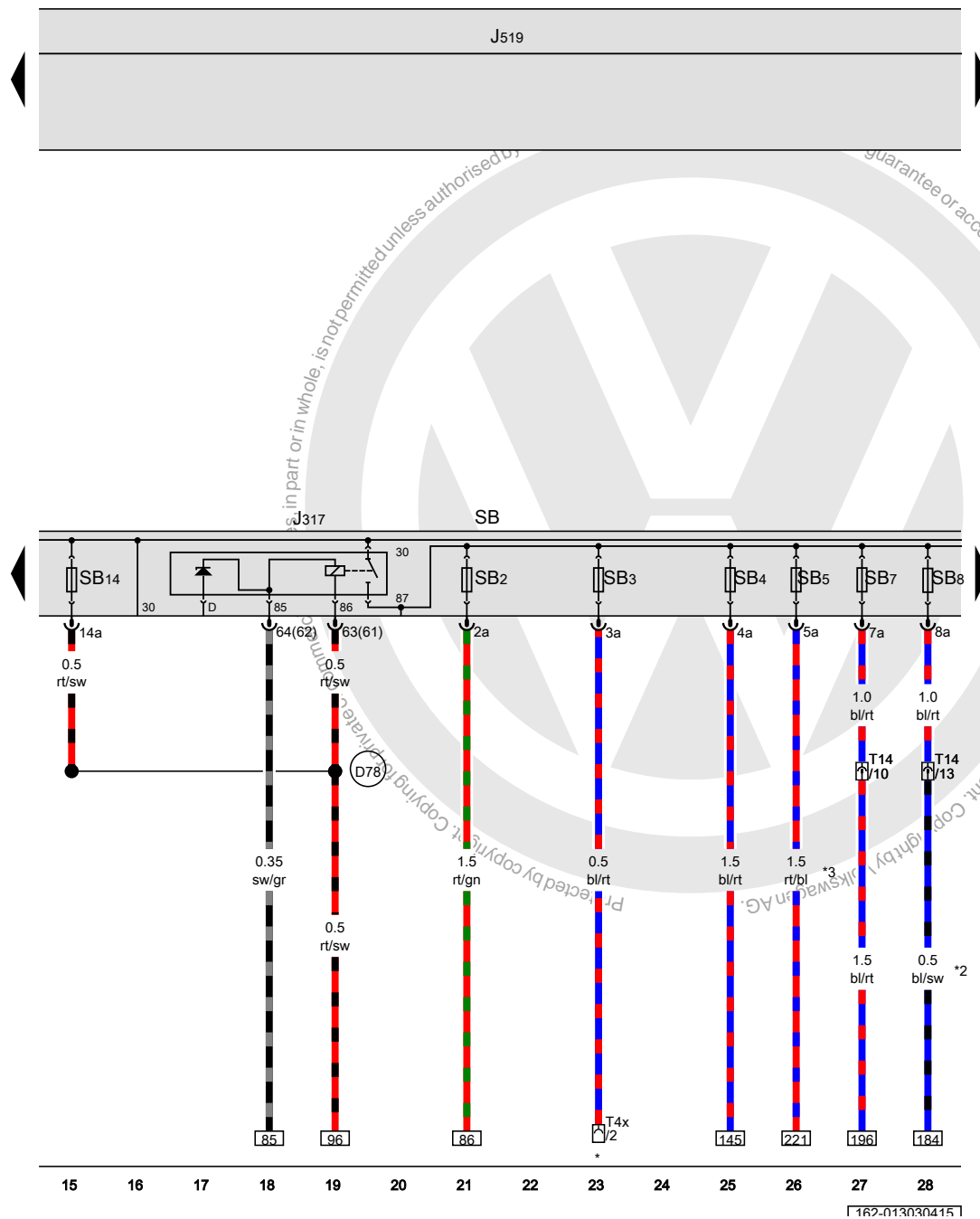
- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-013020415

Terminal 30 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J317 Terminal 30 voltage supply relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T4x 4-pin connector
- T14 14-pin connector, near battery
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Radiator fan connection
- *2 Gradually discontinued
- *3 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

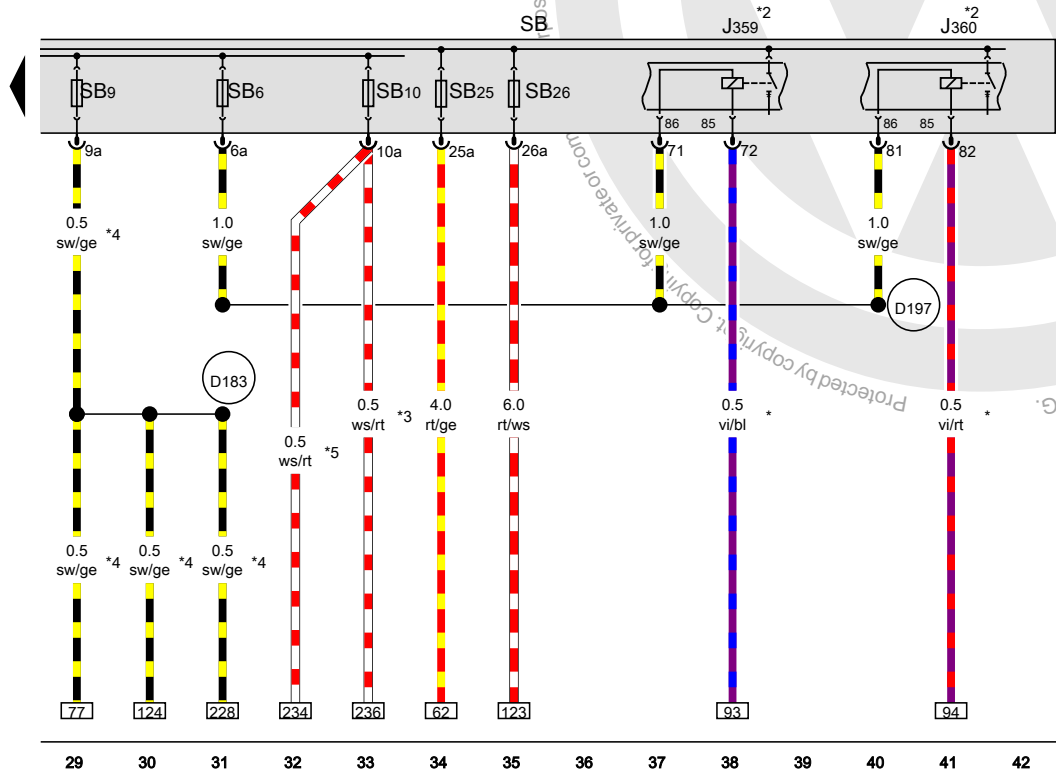
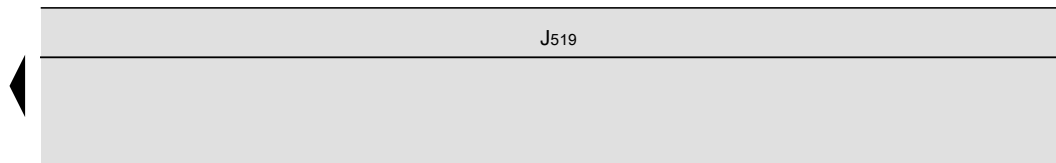
Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B

D183 Connection 4 (87a) in engine compartment wiring harness

D197 Connection 5 (87a) in engine compartment wiring harness

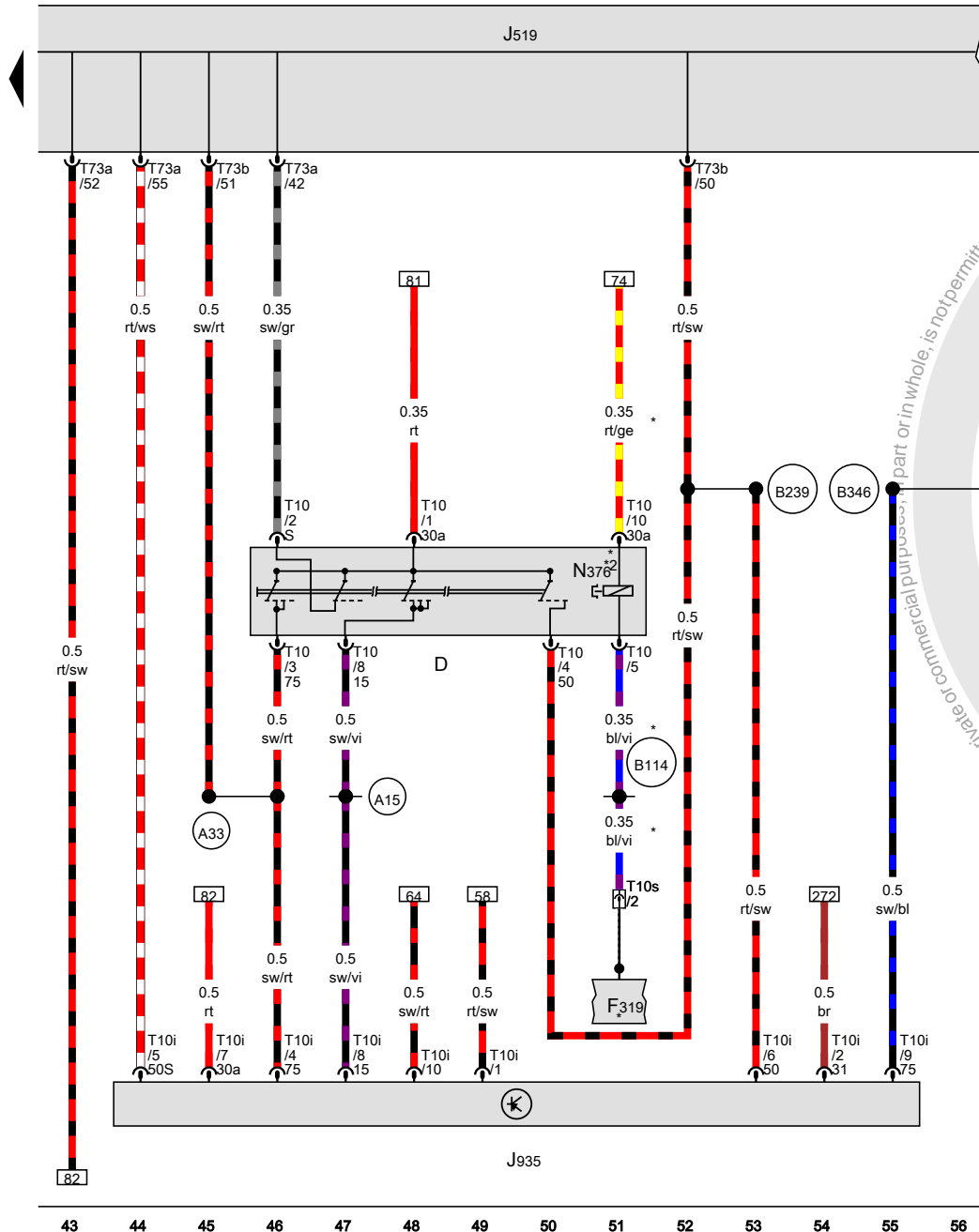
- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment
- *5 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-013040415

Ignition/starter switch, Onboard supply control unit, Converter box



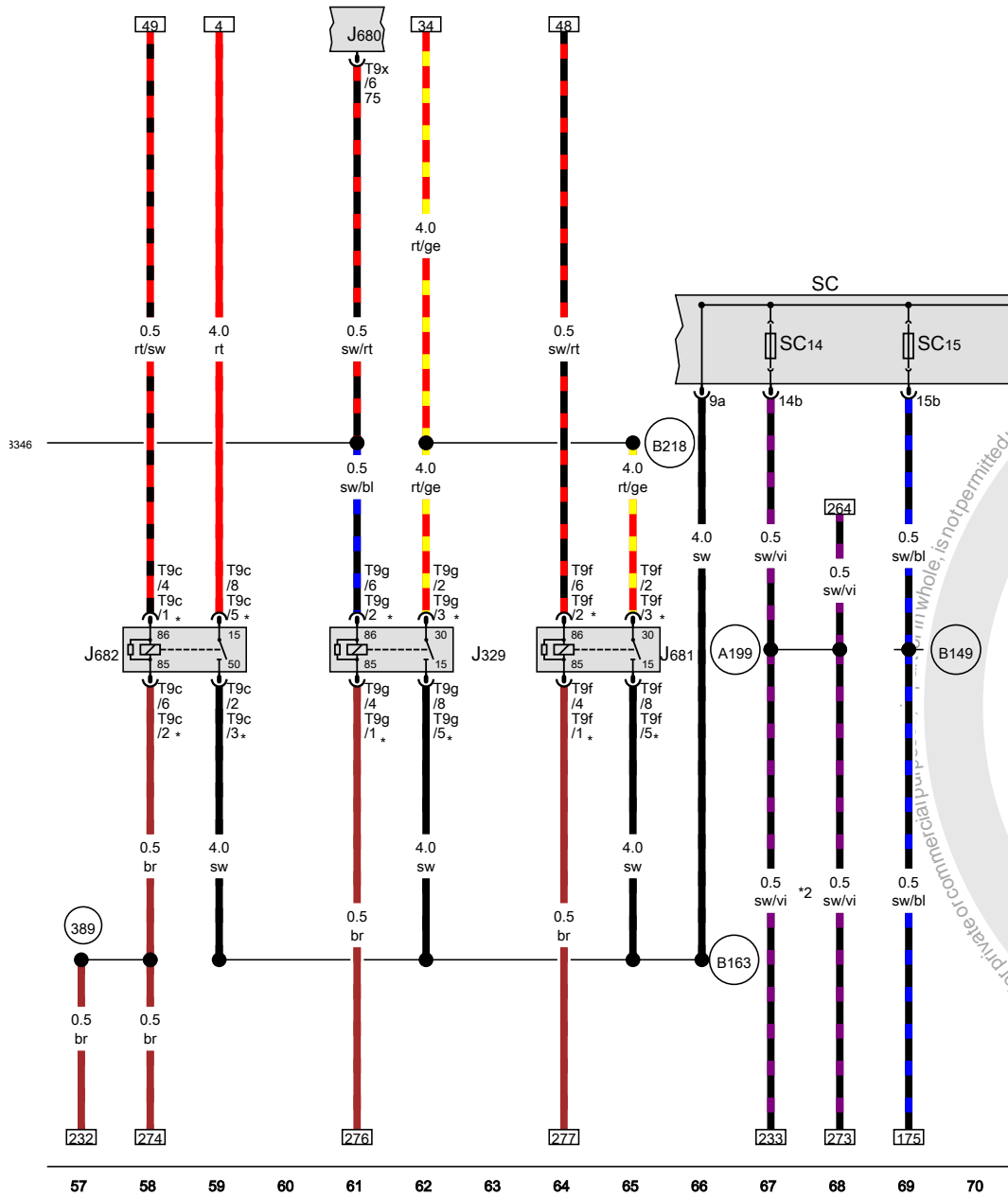
- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J935 Converter box
- N376 Ignition key withdrawal lock solenoid
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- (A15) Positive connection (15), in instrument wiring harness
- (A33) Connection (75), in dash panel wiring harness
- (B114) Connection (inhibitor switch), in interior wiring harness
- (B239) Positive connection 1 (50), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness
- * Only models with automatic gearbox
- *2 Only models with dual clutch gearbox (DSG)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-013050415

Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector

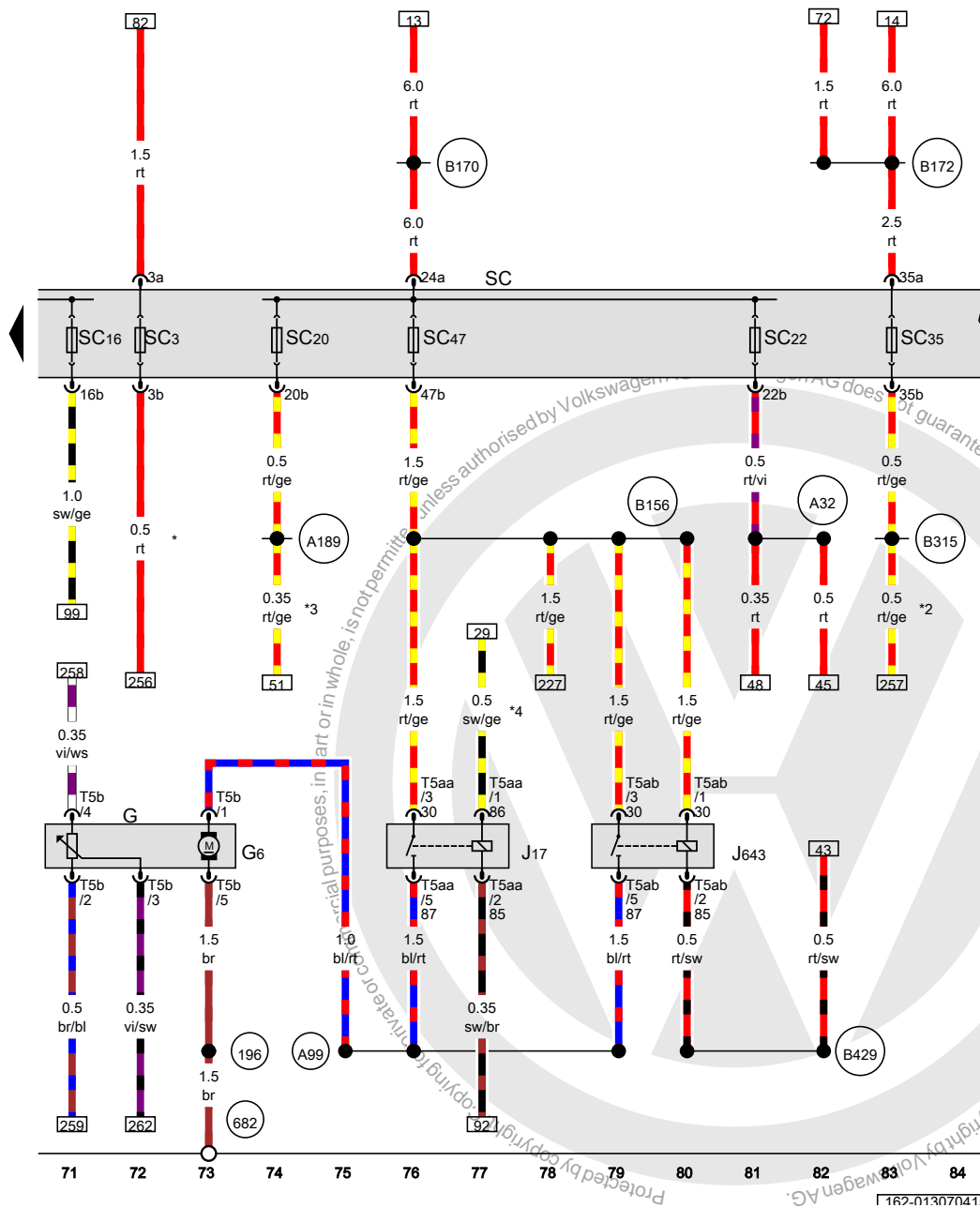
- (389) Earth connection 24 in main wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (B149) Positive connection 2 (15a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness

* gradual introduction
 *2 Gradually discontinued

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- rs = pink

162-013060415

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuel supply relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector
- T5b 5-pin connector

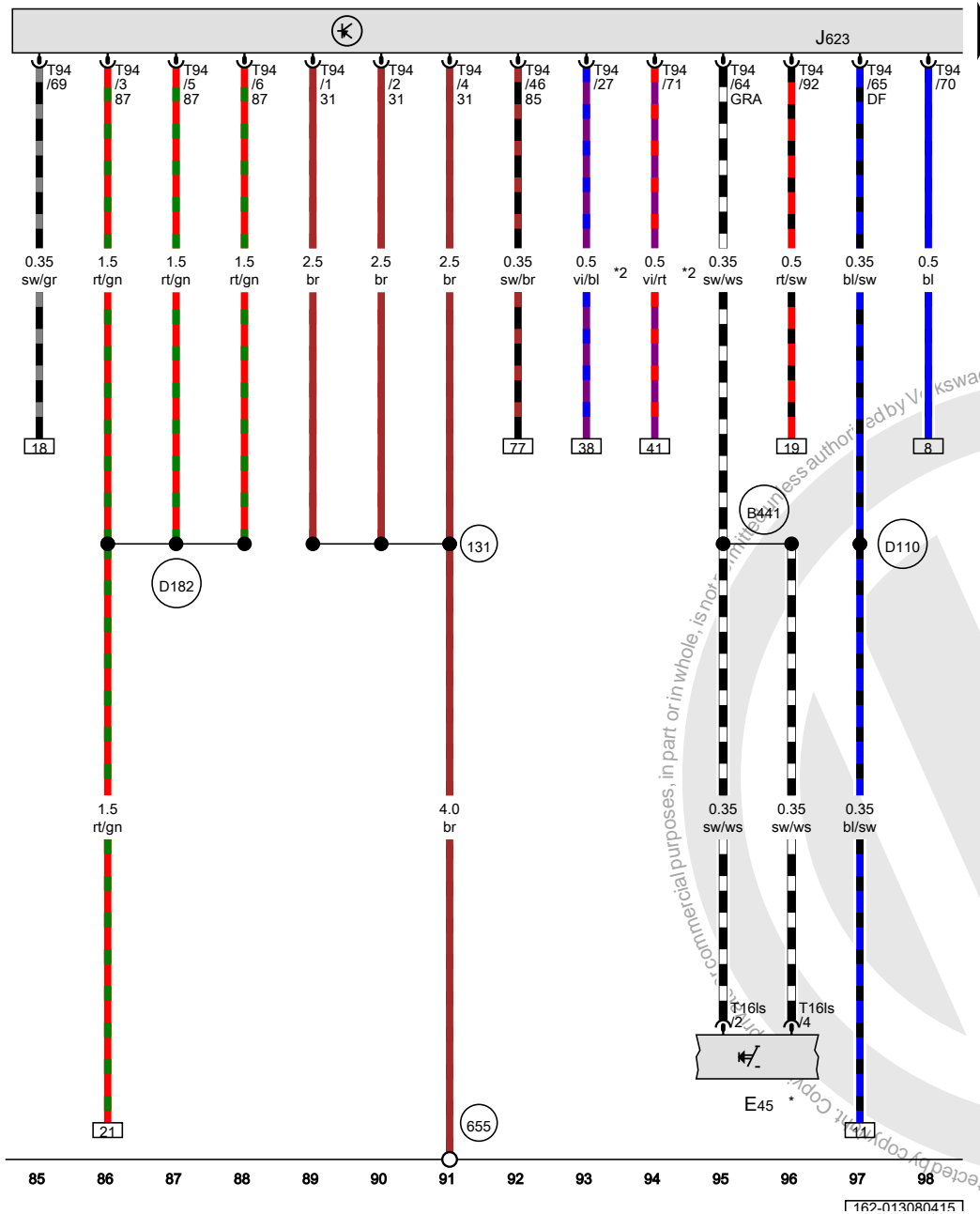
- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A99 Connection 1 (87) in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B429 Connection (EFPR), in main wiring harness
- * gradual introduction
- *2 Gradually discontinued
- *3 Only models with automatic gearbox
- *4 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit

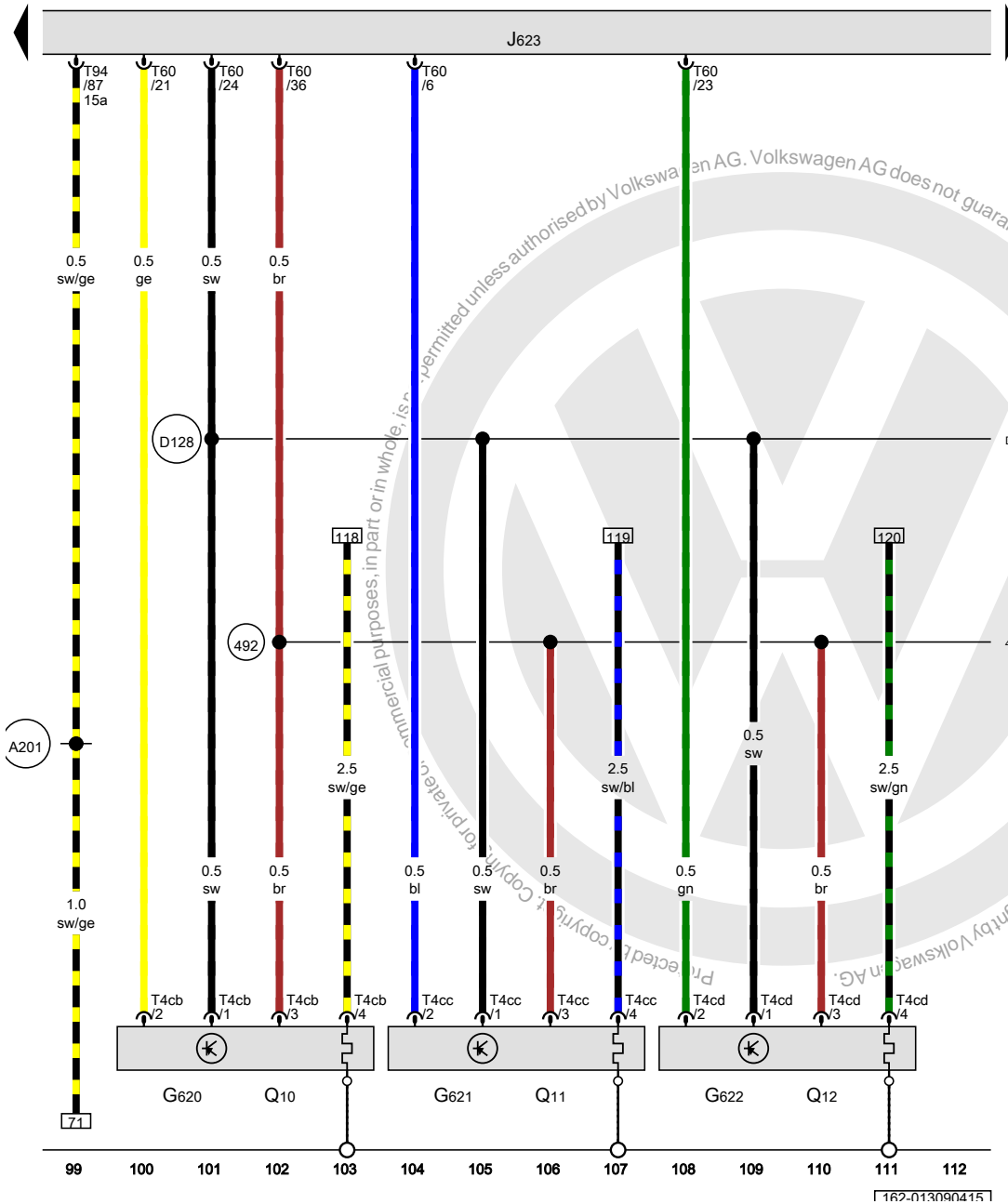
- E45 Cruise control system switch
- J623 Engine control unit
- T16ls 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Only models with auxiliary air heating



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-013080415



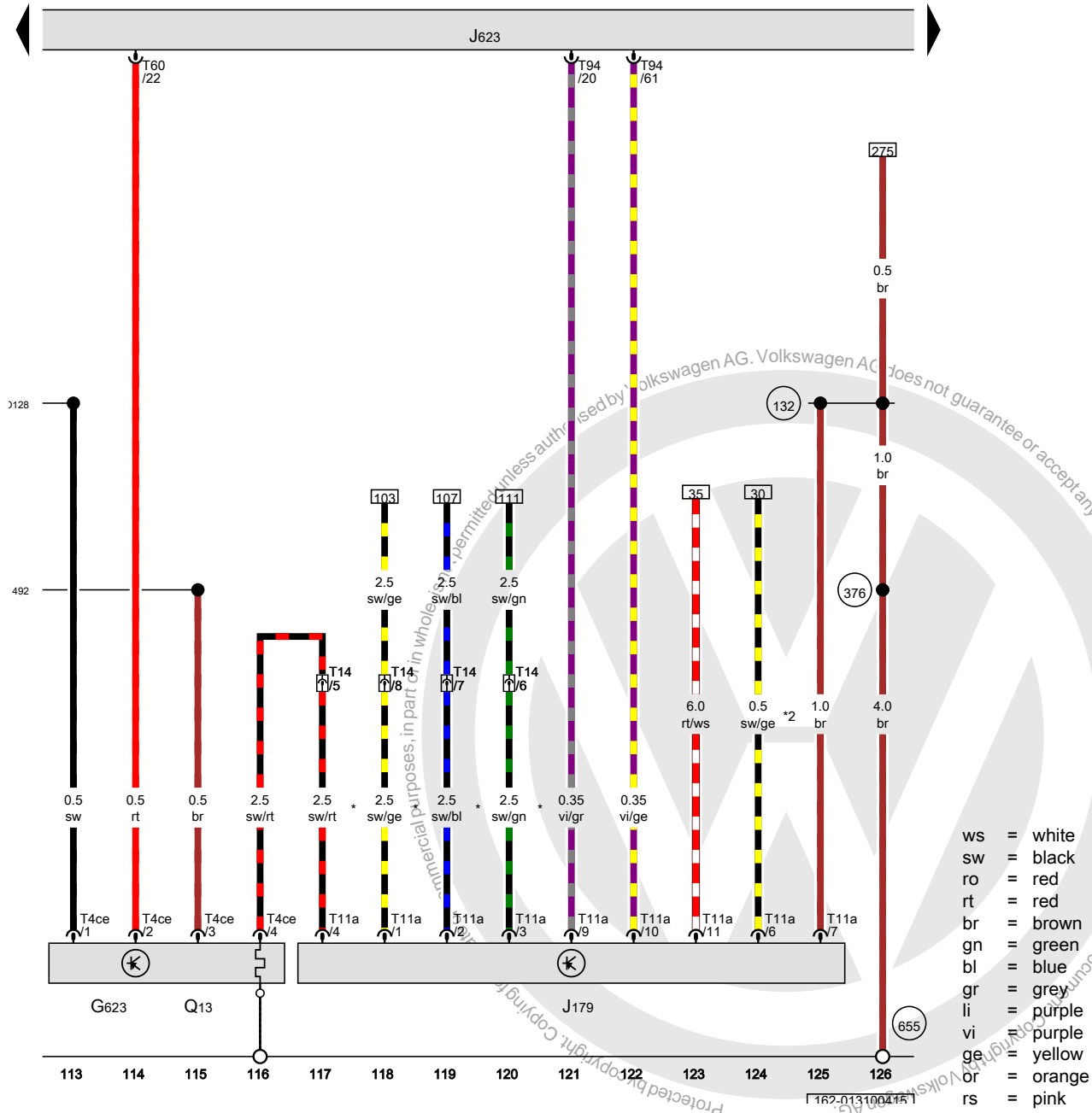
Internal cylinder pressure sender for cylinder 1, Internal cylinder pressure sender for cylinder 2, Internal cylinder pressure sender for cylinder 3, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3

- G620 Internal cylinder pressure sender for cylinder 1
- G621 Internal cylinder pressure sender for cylinder 2
- G622 Internal cylinder pressure sender for cylinder 3
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- T4cb 4-pin connector
- T4cc 4-pin connector
- T4cd 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

- (492) Earth connection 2 (sender earth), in injection system wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (D128) Connection 26 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

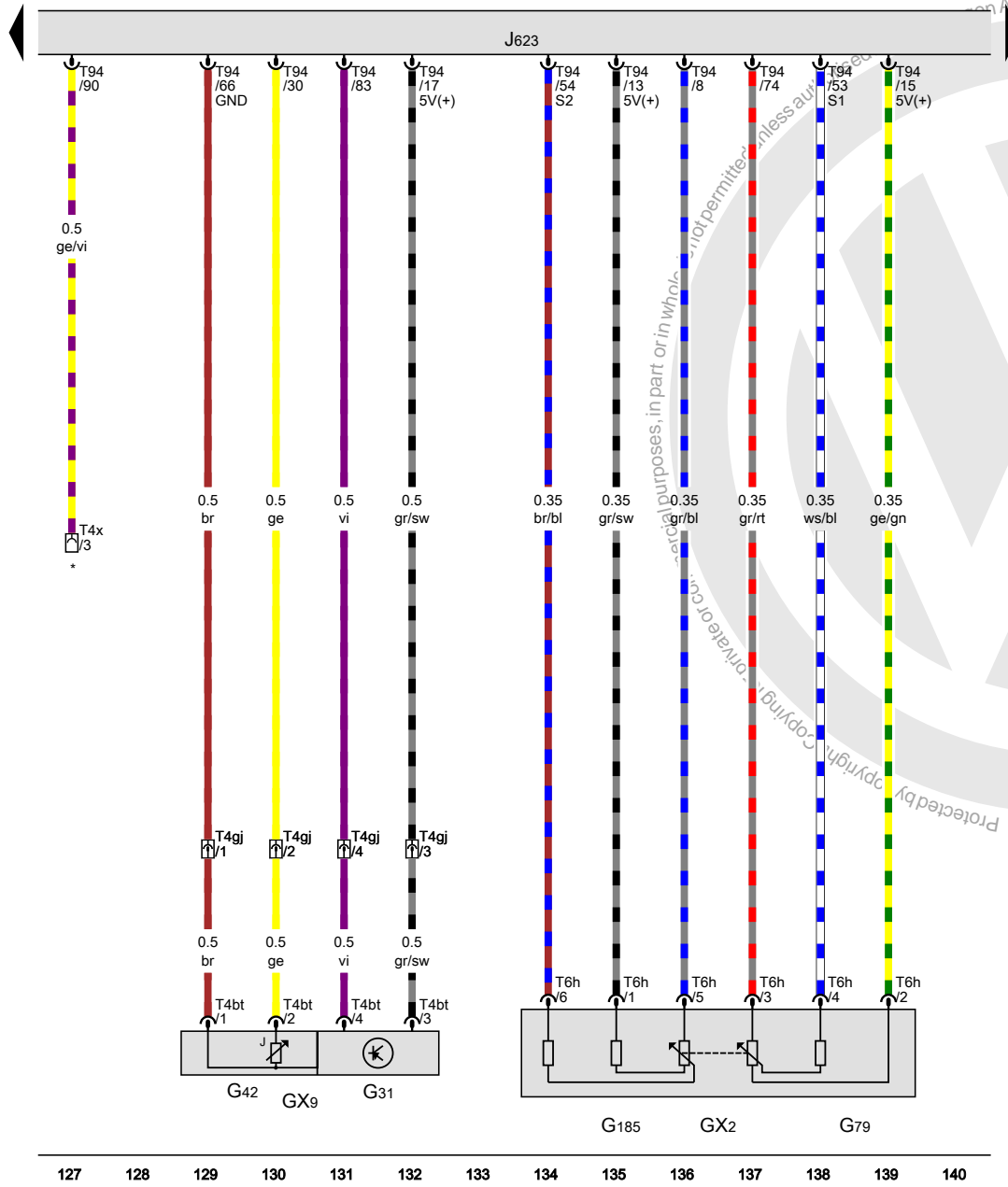
Internal cylinder pressure sender for cylinder 4, Automatic glow period control unit, Engine control unit, Glow plug 4



- G623 Internal cylinder pressure sender for cylinder 4
- J179 Automatic glow period control unit
- J623 Engine control unit
- Q13 Glow plug 4
- T4ce 4-pin connector
- T11a 11-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 492 Earth connection 2 (sender earth), in injection system wiring harness
- 655 Earth point, on left headlight
- D128 Connection 26 in engine compartment wiring harness
- * Cross-section 1.5 possible
- *2 Wiring colour depends on equipment

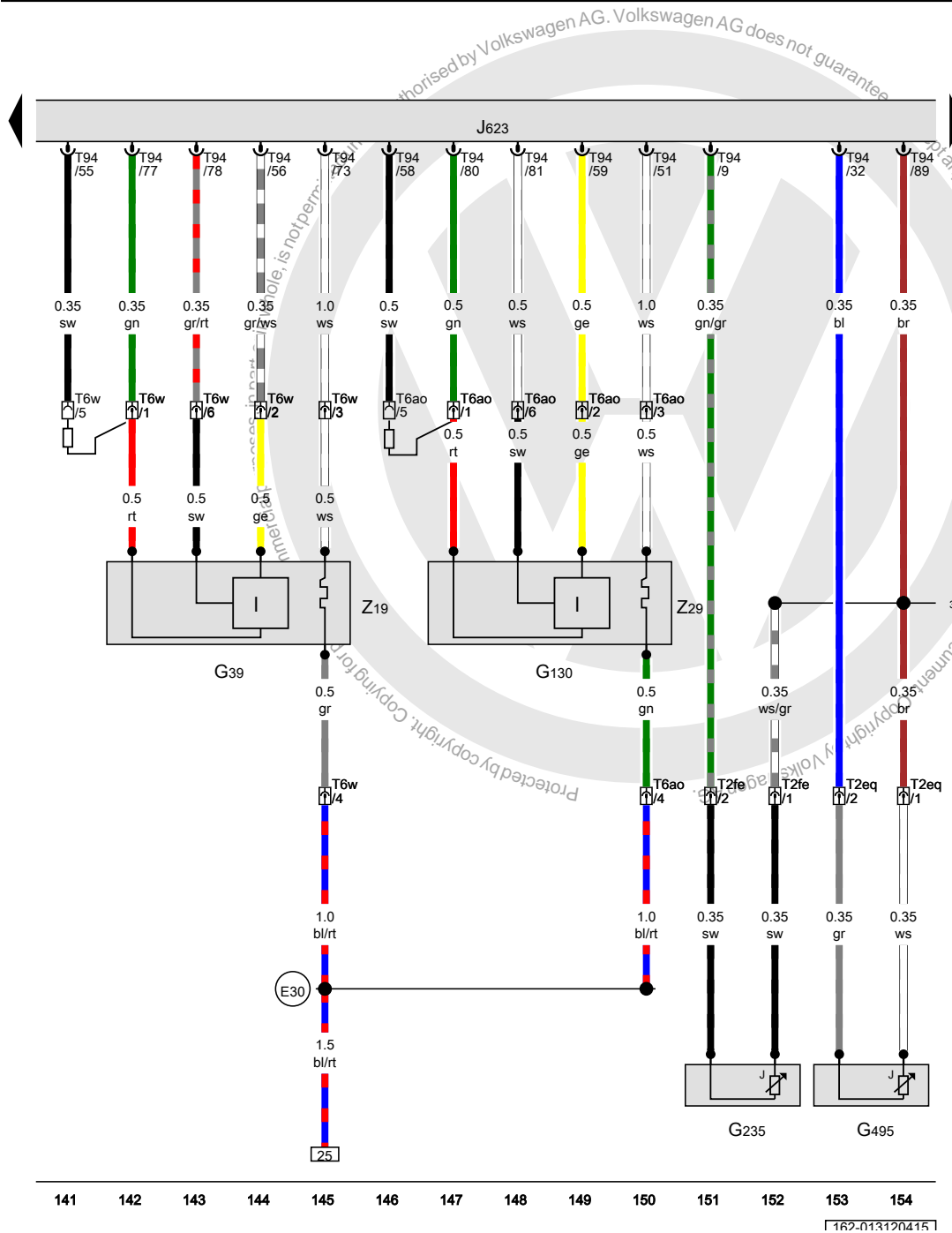
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Accelerator pedal module, Intake manifold sender, Intake air temperature sender, Accelerator position sender 2, Engine control unit



- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector
- * Radiator fan connection

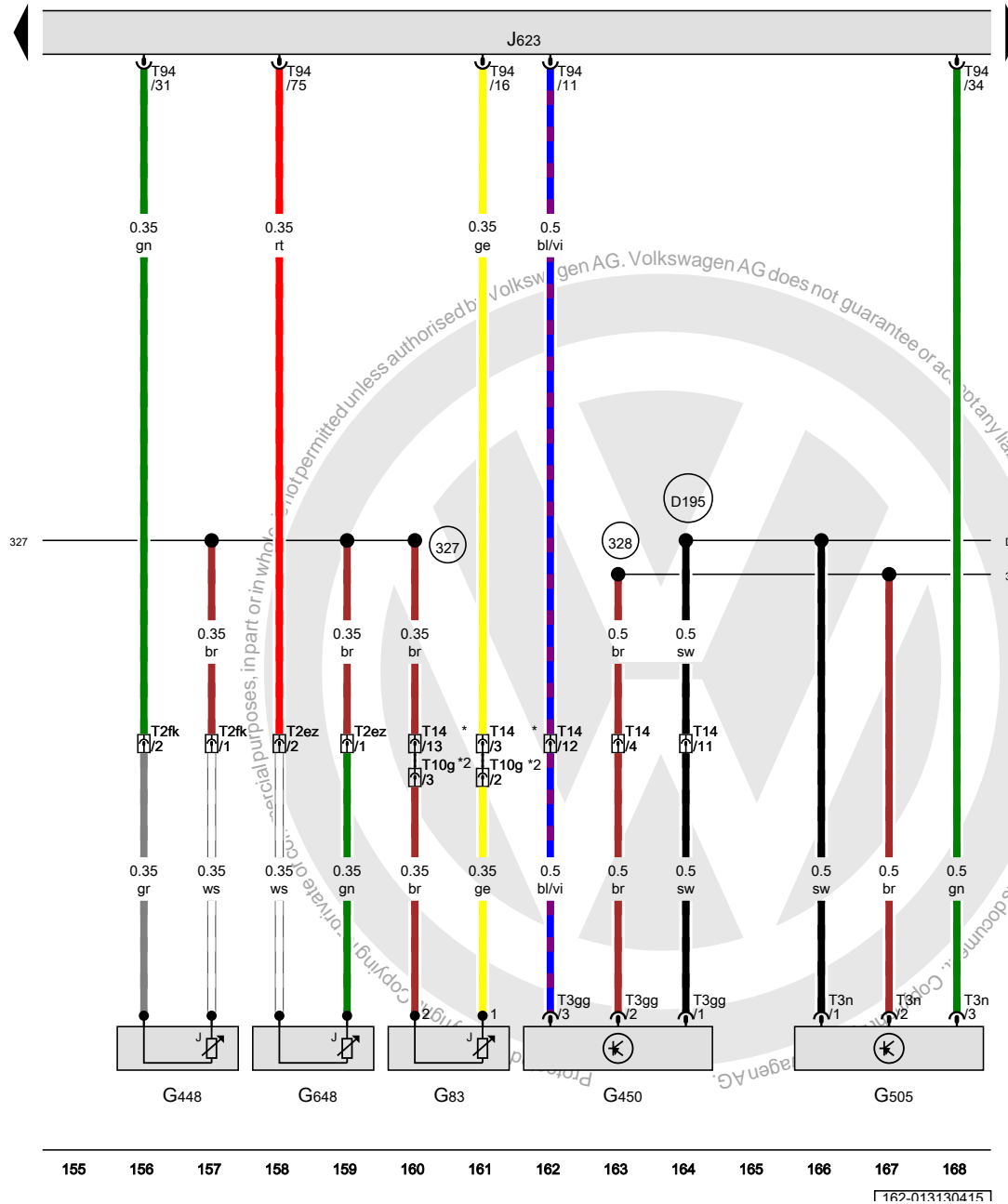
162-013110415



Lambda probe, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- J623 Engine control unit
- T2eq 2-pin connector
- T2fe 2-pin connector
- T6ao 6-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- 327 Earth connection (sender earth), in engine compartment wiring harness
- E30 Connection (87a), in engine wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

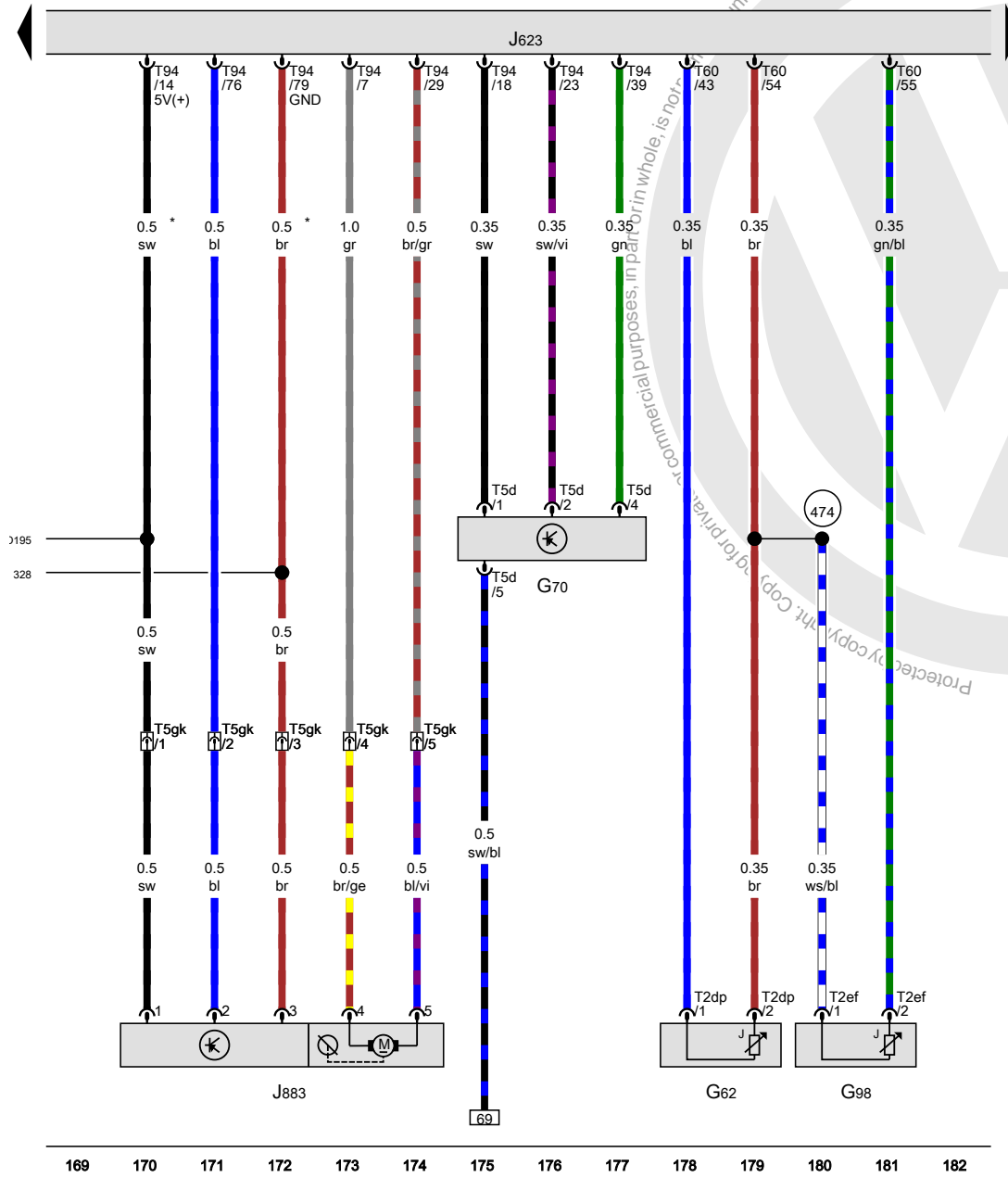


Radiator outlet coolant temperature sender, Exhaust gas temperature sender 2, Exhaust gas pressure sensor 1, Pressure differential sender, Exhaust gas temperature sender 4, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G448 Exhaust gas temperature sender 2
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2ez 2-pin connector
- T2fk 2-pin connector
- T3gg 3-pin connector
- T3n 3-pin connector
- T10g 10-pin connector
- T14 14-pin connector, near battery
- T94 94-pin connector

- 327 Earth connection (sender earth), in engine compartment wiring harness
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * gradual introduction
- *2 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Coolant temperature sender, Air mass meter, Exhaust gas recirculation temperature sensor, Engine control unit, Exhaust flap control unit

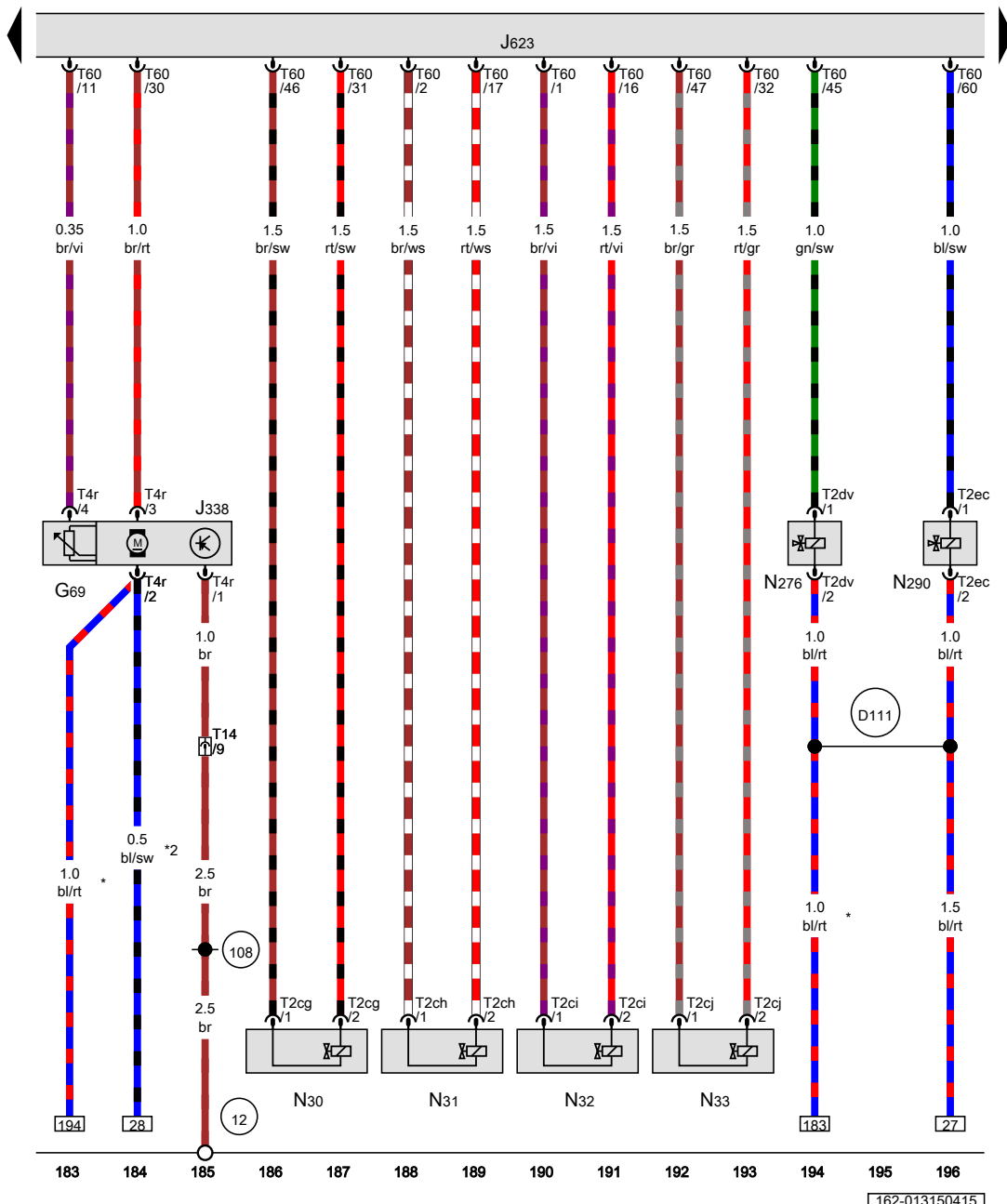
- G62 Coolant temperature sender
- G70 Air mass meter
- G98 Exhaust gas recirculation temperature sensor
- J623 Engine control unit
- J883 Exhaust flap control unit
- T2dp 2-pin connector
- T2ef 2-pin connector
- T5d 5-pin connector
- T5gk 5-pin connector
- T60 60-pin connector
- T94 94-pin connector
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- 474 Earth connection (sender earth) in engine prewiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

169-013140415

Throttle valve potentiometer, Throttle valve module, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

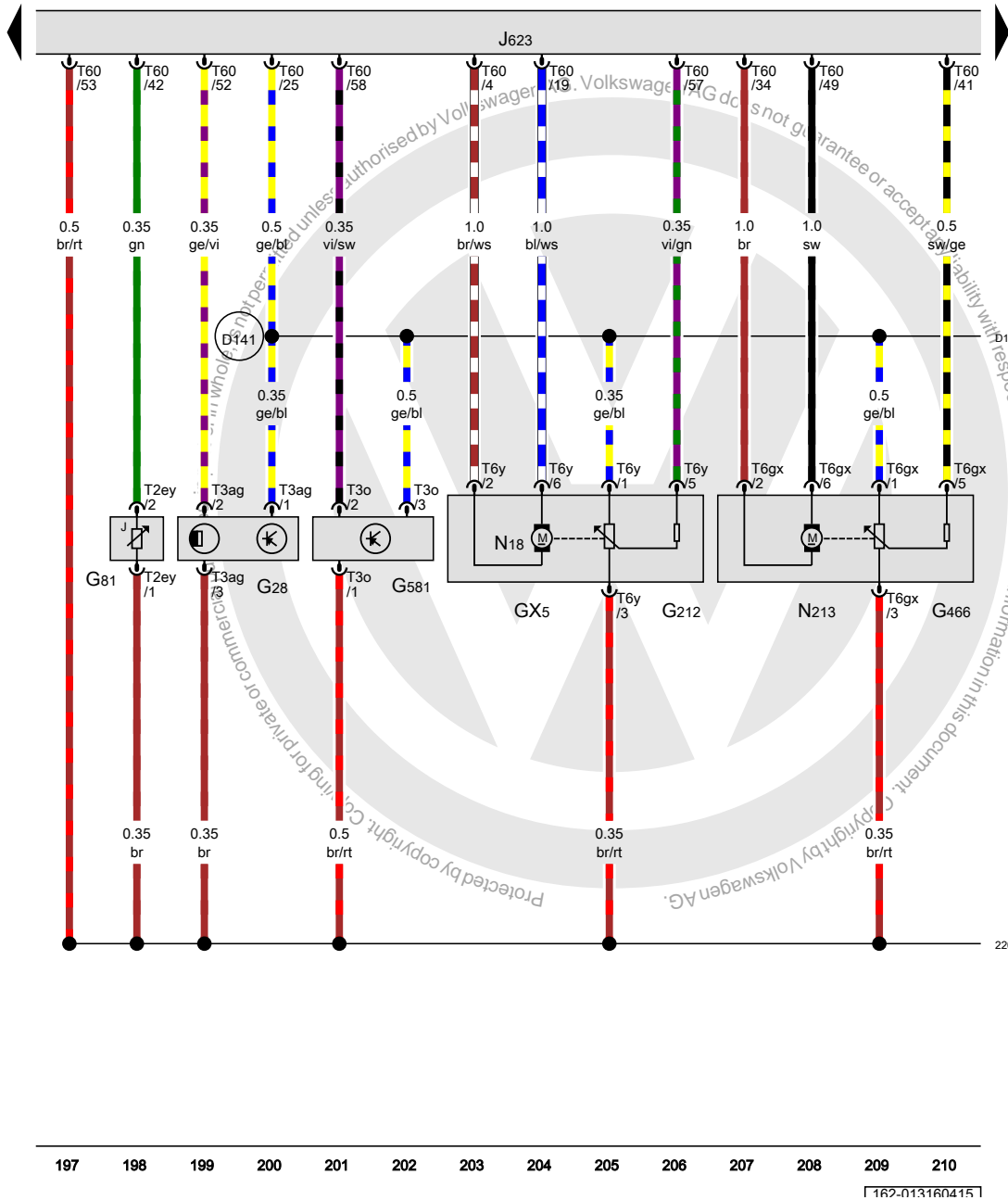


- G69 Throttle valve potentiometer
- J338 Throttle valve module
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T4r 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- (12) Earth point, on left in engine compartment
- (108) Earth connection 2, in front left wiring harness
- (D111) Connection 9 in engine compartment wiring harness
- * gradual introduction
- *2 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-013150415



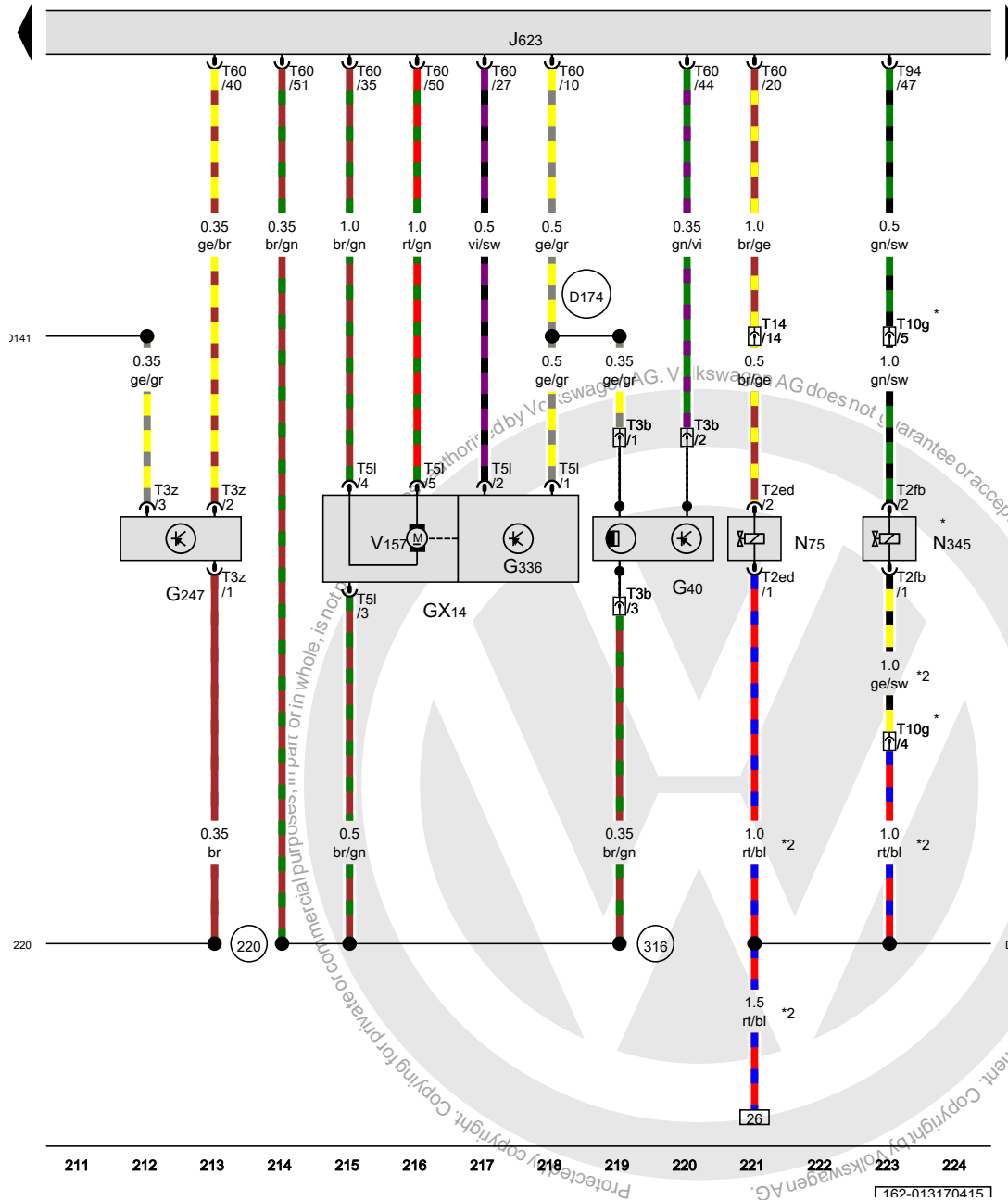
Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Exhaust gas recirculation potentiometer 2, Position sender for charge pressure positioner, Engine control unit, Exhaust gas recirculation valve 2

- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G466 Exhaust gas recirculation potentiometer 2
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N18 Exhaust gas recirculation valve
- N213 Exhaust gas recirculation valve 2
- T2ey 2-pin connector
- T3ag 3-pin connector
- T3o 3-pin connector
- T6gx 6-pin connector
- T6y 6-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Intake manifold flap control unit, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve

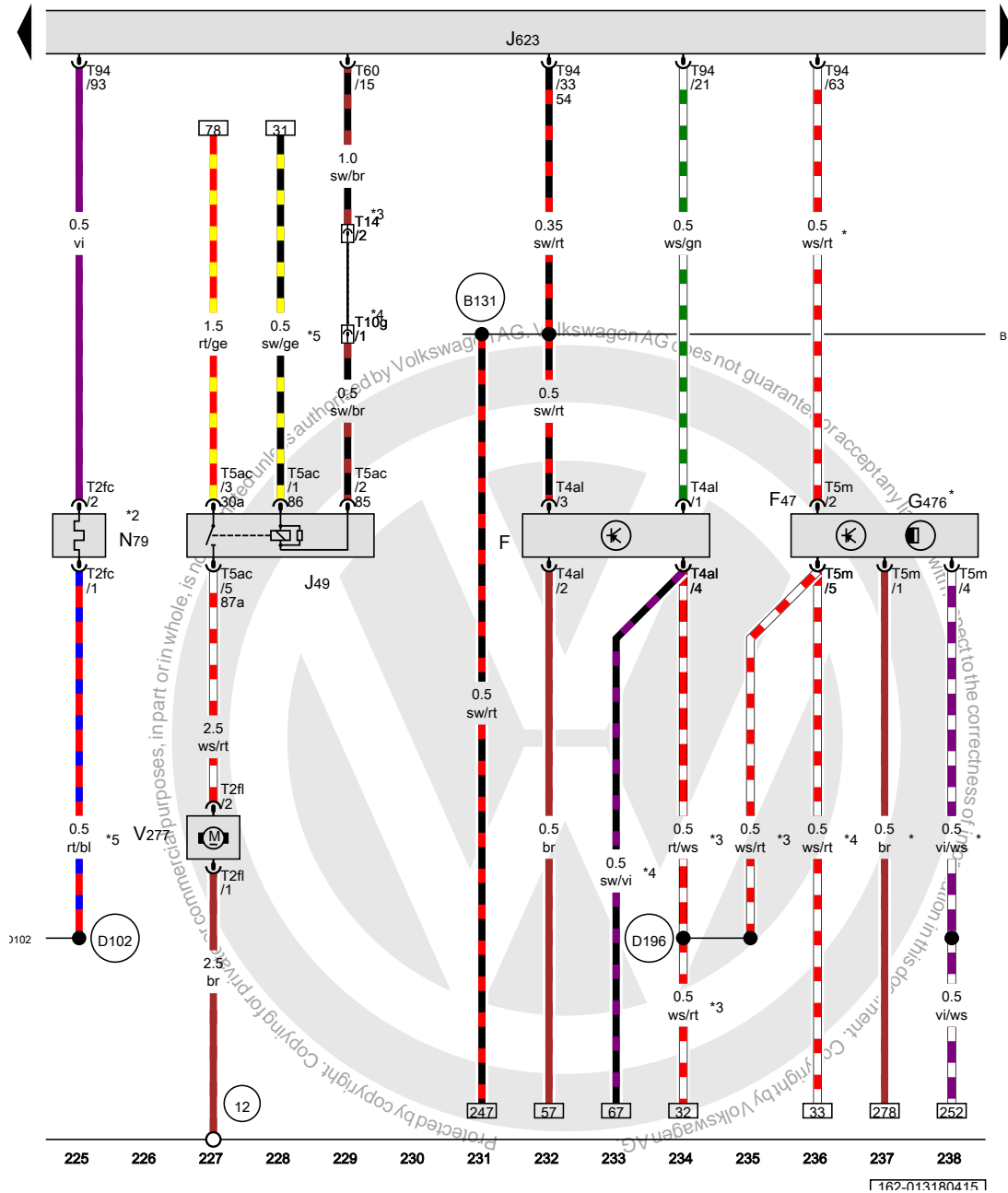
- GX14 Intake manifold flap control unit
- G40 Hall sender
- G247 Fuel pressure sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T2ed 2-pin connector
- T2fb 2-pin connector
- T3b 3-pin connector
- T3z 3-pin connector
- T5l 5-pin connector
- T10g 10-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V157 Intake manifold flap motor

- 220 Earth connection (sender earth), in engine wiring harness
- 316 Earth connection (sender earth 2) in engine wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness

* According to equipment
 *2 Wiring colour depends on equipment

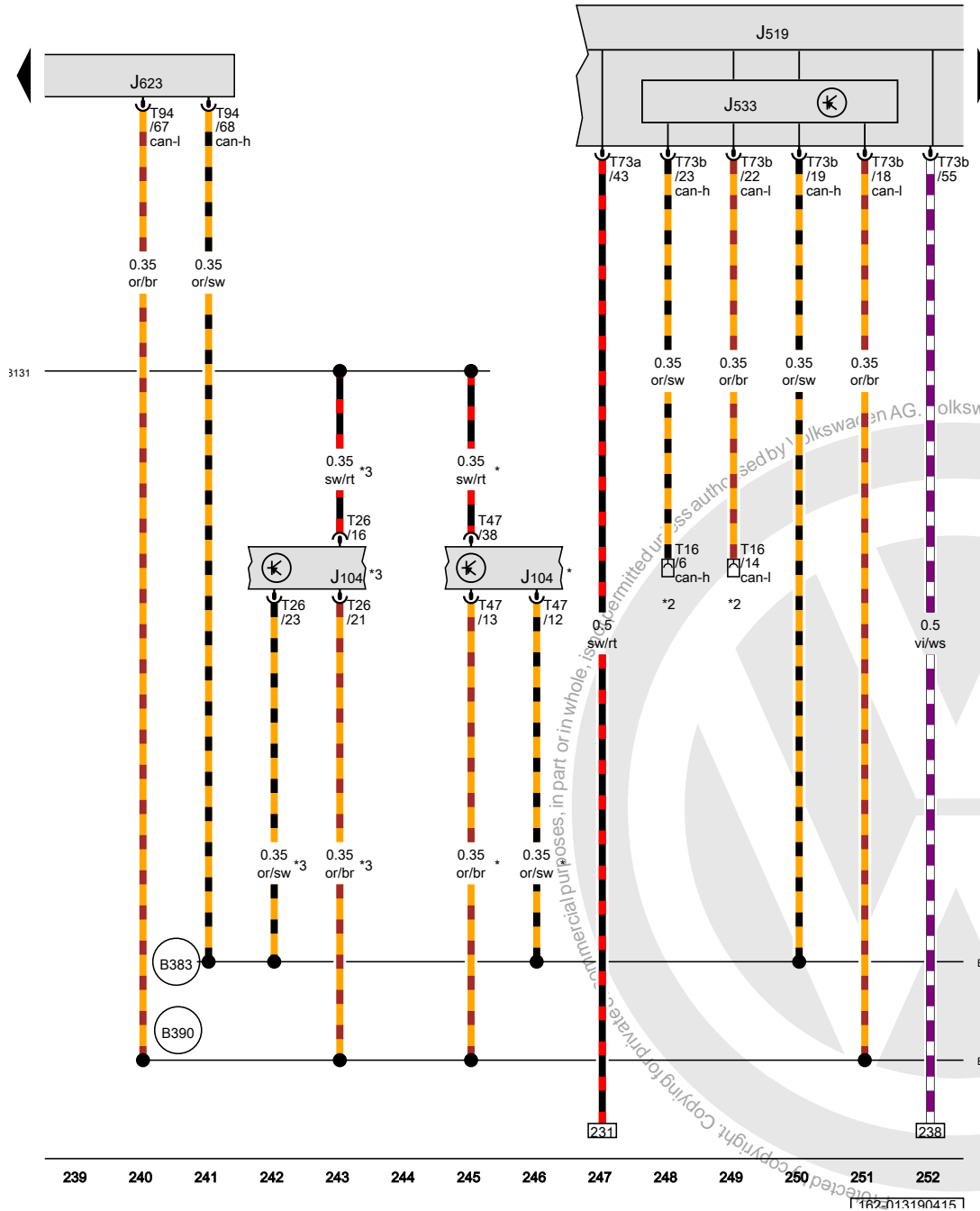
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Brake pedal switch, Clutch position sender, Electric fuel pump 2 relay, Engine control unit, Heater element for crankcase breather, Fuel pump 2



- F Brake light switch
 - F47 Brake pedal switch
 - G476 Clutch position sender
 - J49 Electric fuel pump 2 relay
 - J623 Engine control unit
 - N79 Heater element for crankcase breather
 - T2fc 2-pin connector
 - T2fl 2-pin connector
 - T4al 4-pin connector
 - T5ac 5-pin connector
 - T5m 5-pin connector
 - T10g 10-pin connector
 - T14 14-pin connector, on left in engine compartment
 - T60 60-pin connector
 - T94 94-pin connector
 - V277 Fuel pump 2
- (12) Earth point, on left in engine compartment
 - (B131) Connection (54), in interior wiring harness
 - (D102) Connection 2 in engine compartment wiring harness
 - (D196) Connection 2 (87a) in engine prewiring harness
- * Only models with manual gearbox
 - *2 Only models with crankcase breather heater element
 - *3 gradual introduction
 - *4 Gradually discontinued
 - *5 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



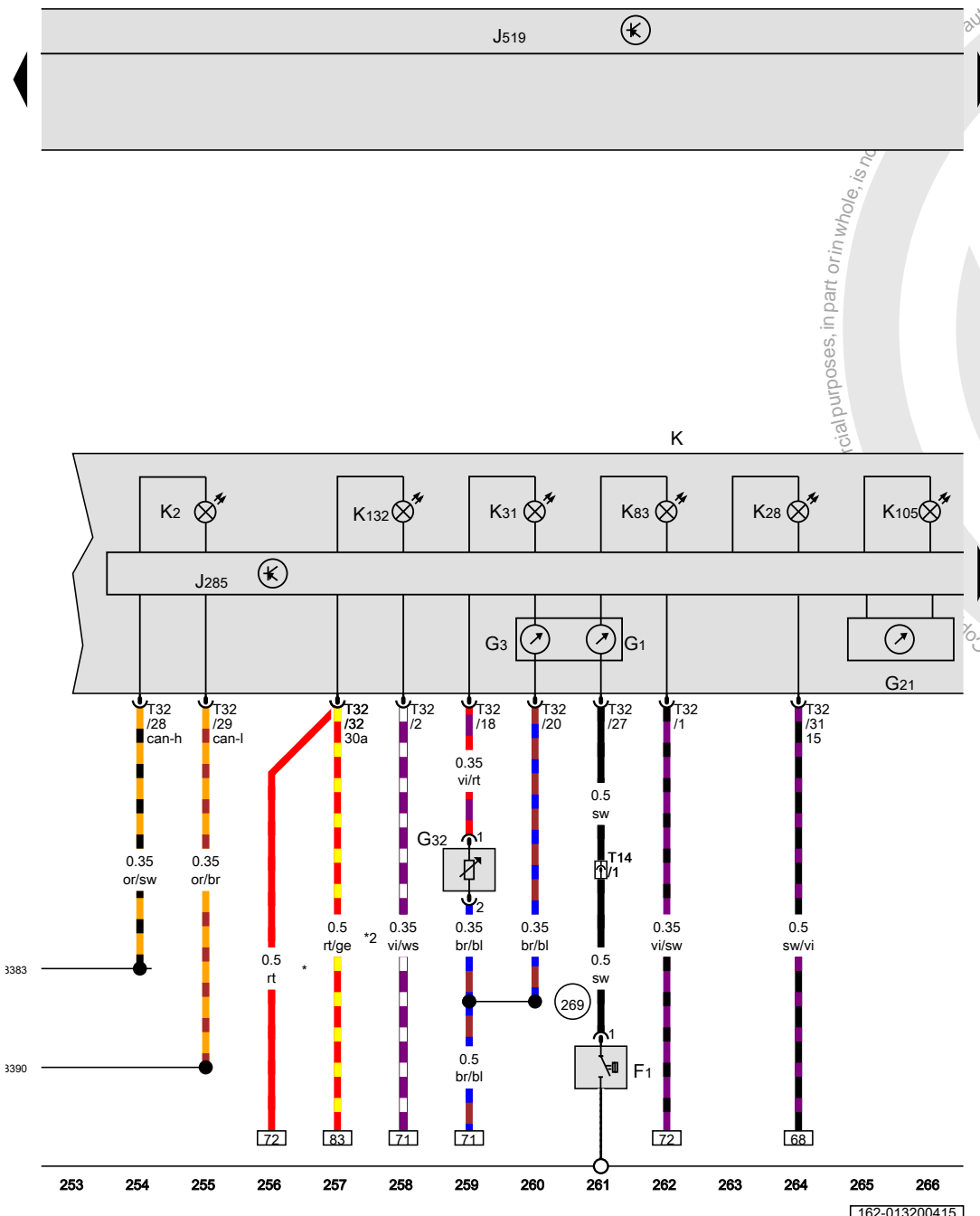
ABS control unit, Onboard supply control unit, Data bus diagnostic interface, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T16 16-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector

- (B131) Connection (54), in interior wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- * Diagnostic connection
- *3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

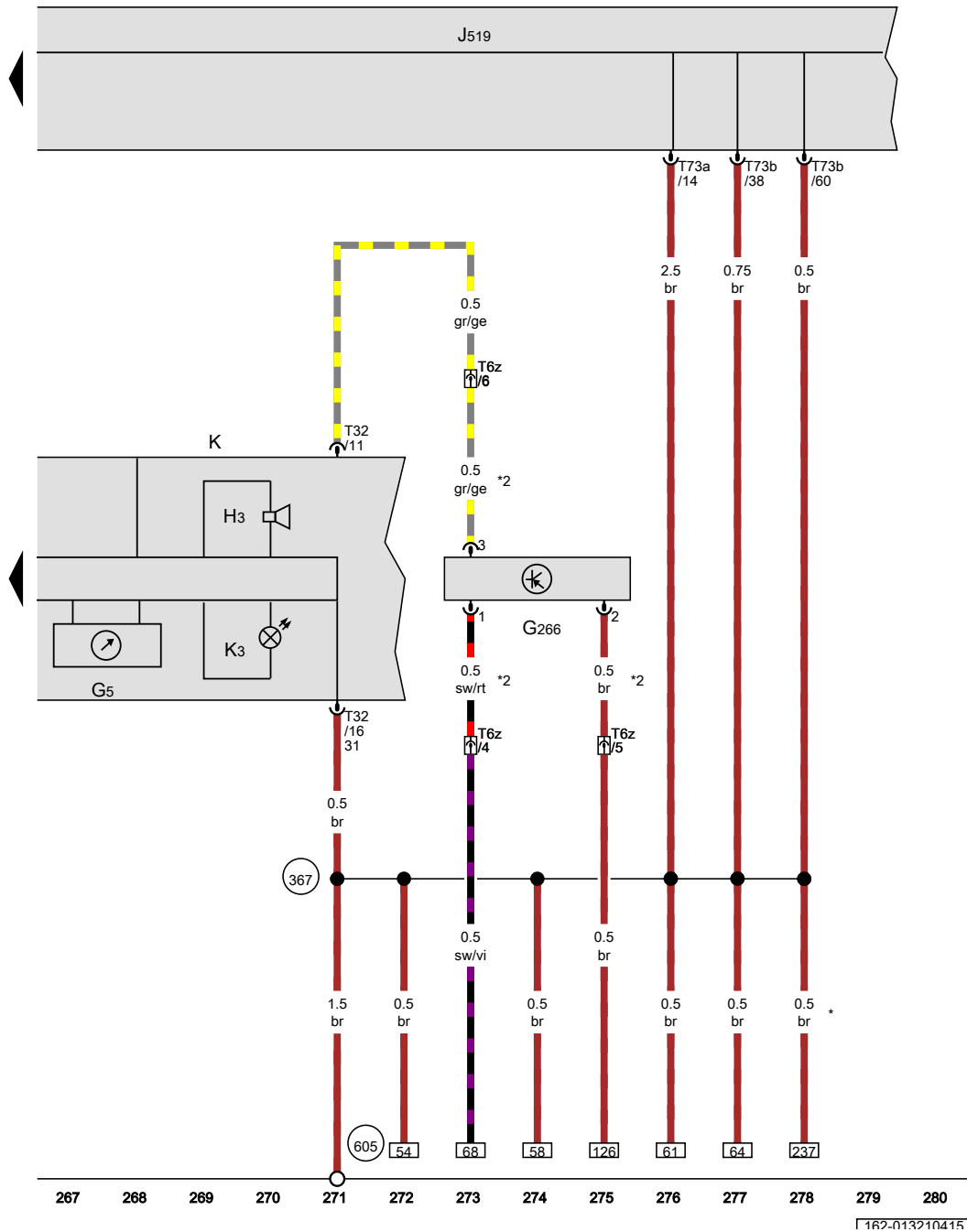


Oil pressure switch, Fuel gauge, Coolant temperature gauge, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T14 14-pin connector
- T32 32-pin connector

- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * gradual introduction
- *2 Gradually discontinued

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rev. counter, Oil level and oil temperature sender, Onboard supply control unit

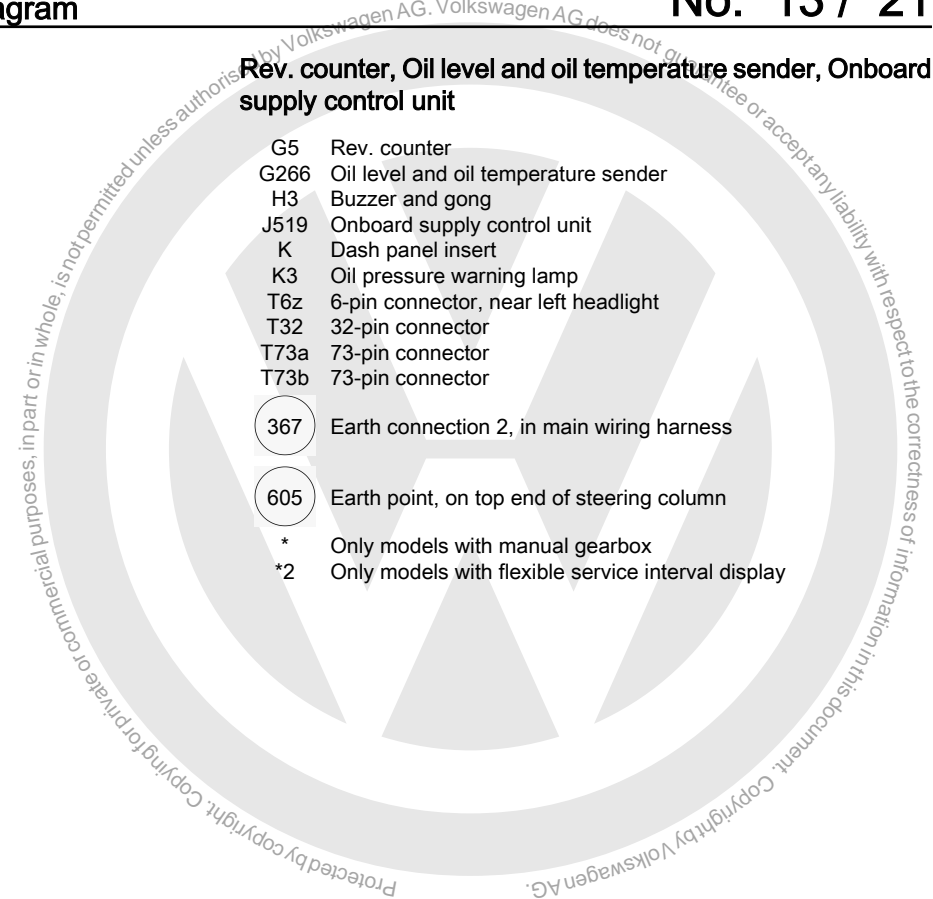
- G5 Rev. counter
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J519 Onboard supply control unit
- K Dash panel insert
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

367 Earth connection 2, in main wiring harness

605 Earth point, on top end of steering column

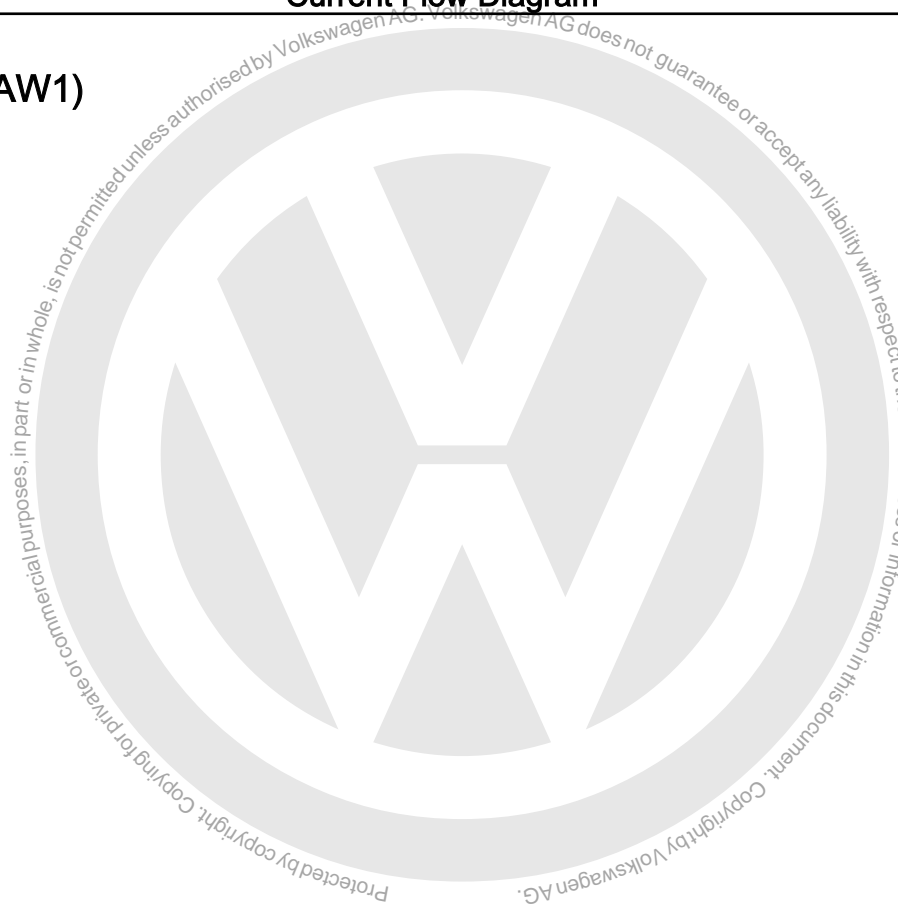
* Only models with manual gearbox

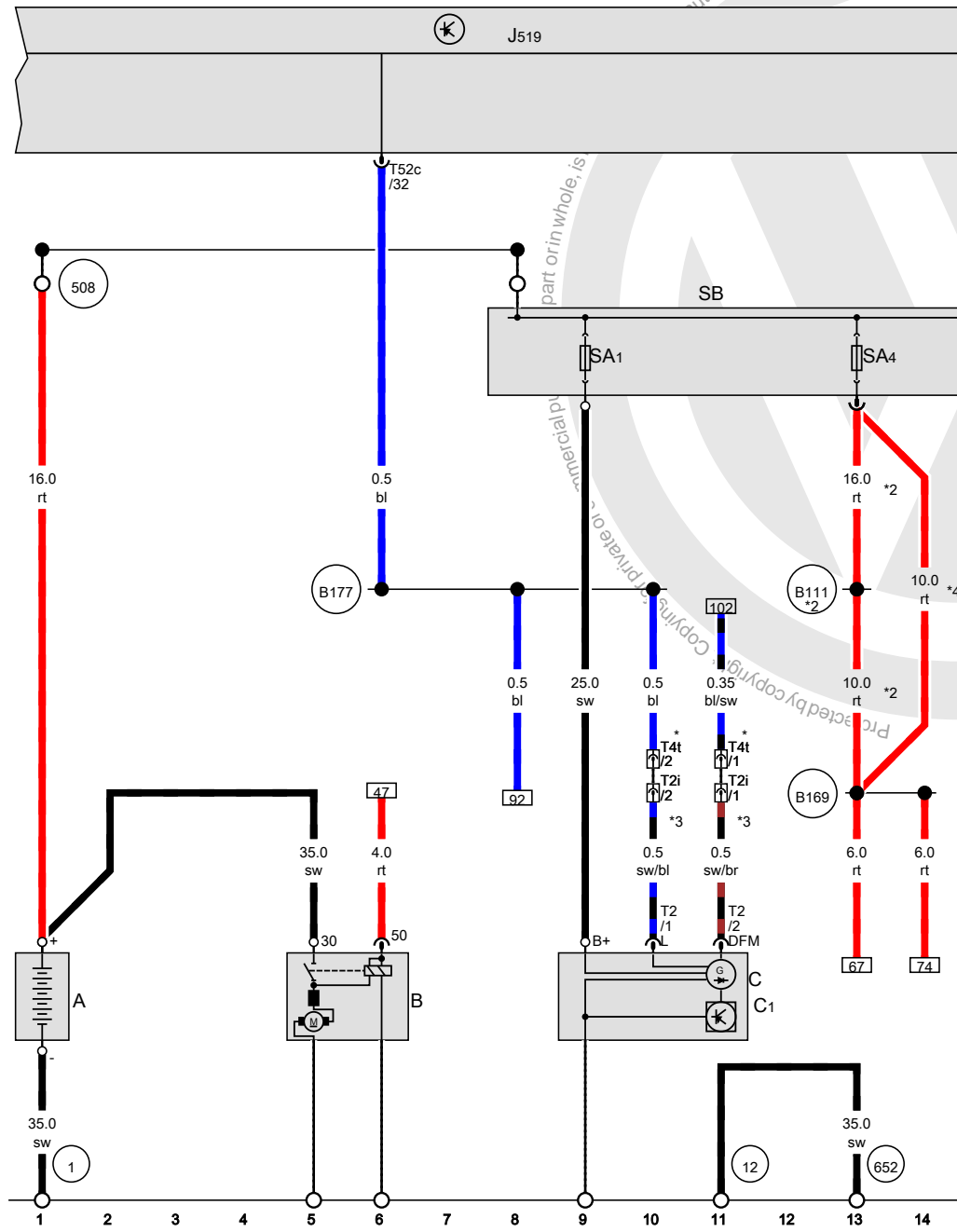
*2 Only models with flexible service interval display



2.0l diesel engine , CFHC,CLCB,(AW1)

From October 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 gradual introduction

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-014020515

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

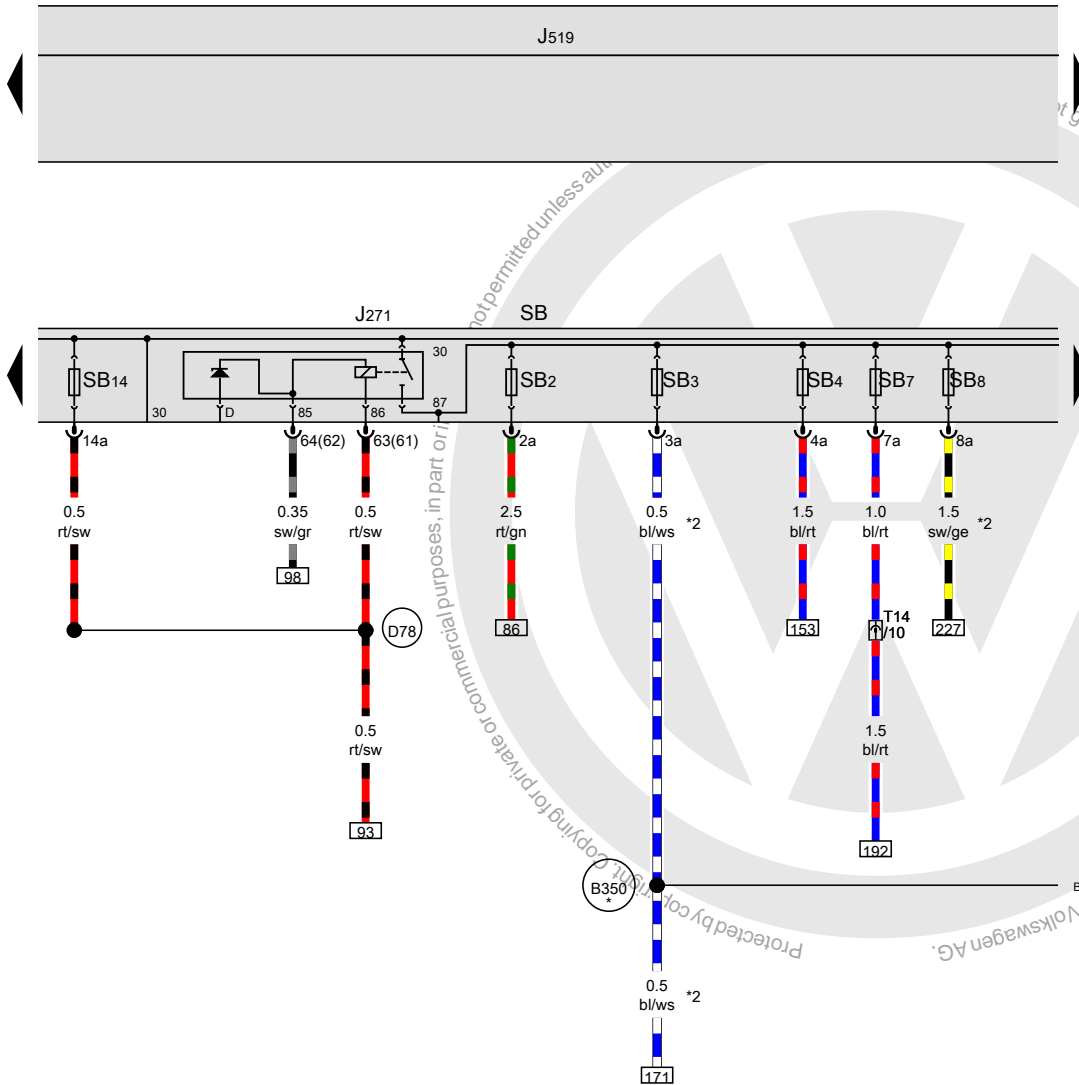
- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector, near battery

B350 Positive connection 1 (87a) in main wiring harness

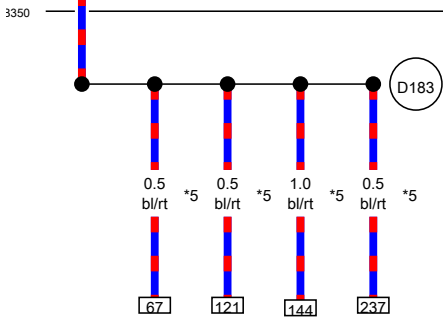
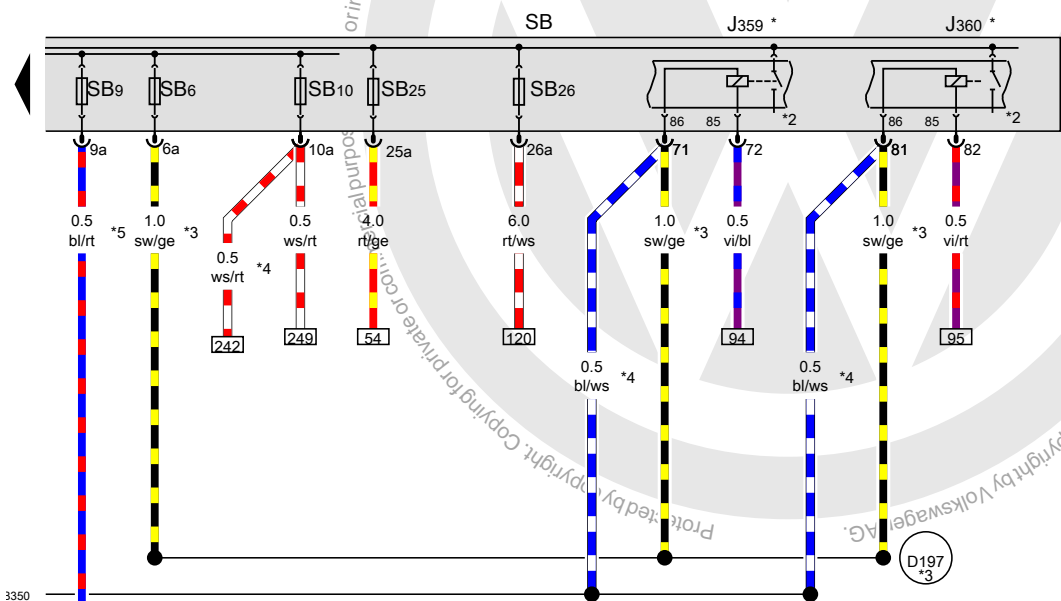
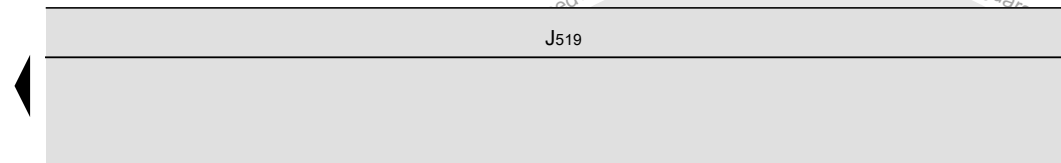
D78 Positive connection 1 (30a), in engine compartment wiring harness

* gradual introduction

*2 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-014040515

Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B

- B350 Positive connection 1 (87a) in main wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness

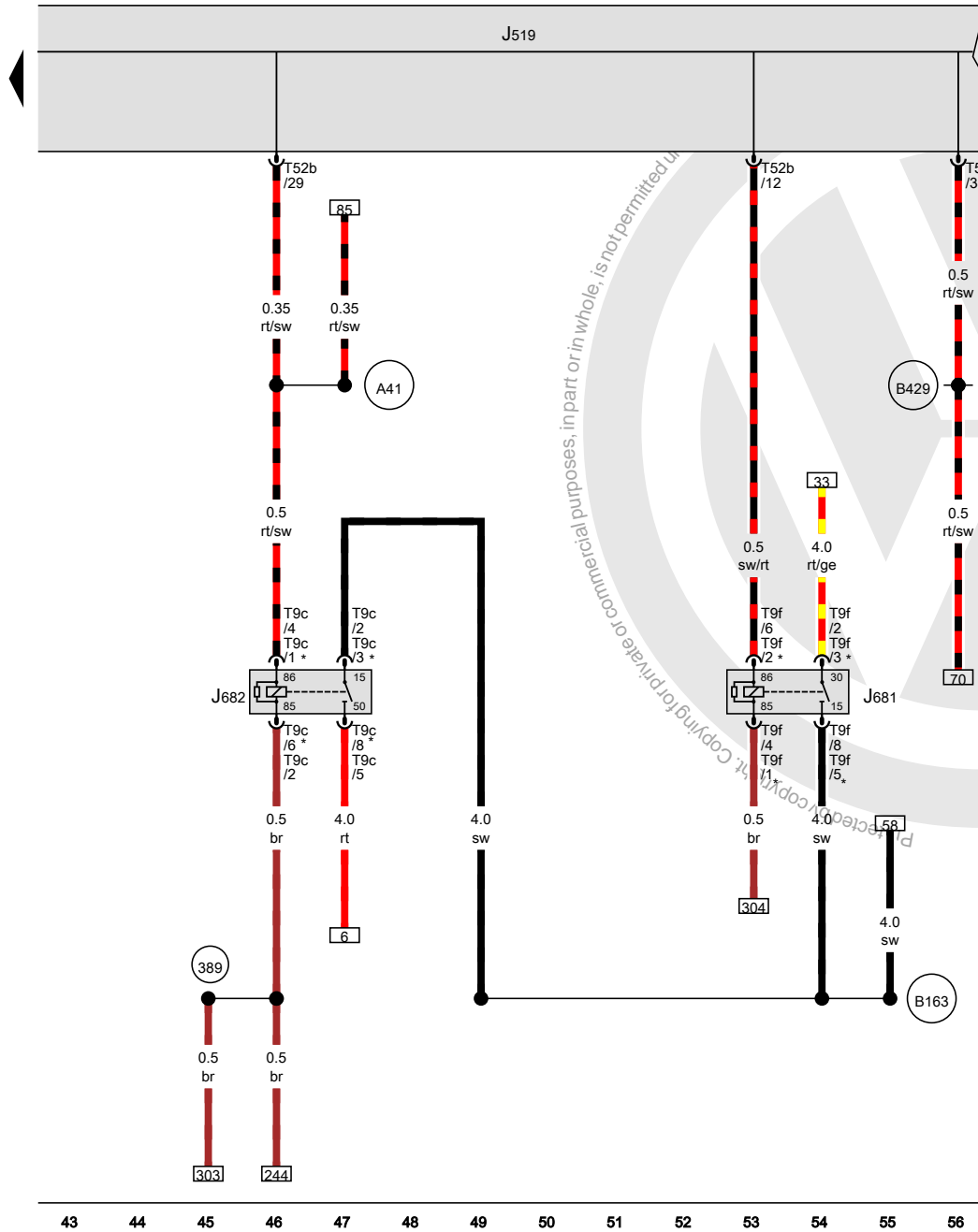
- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Gradually discontinued
- *4 gradual introduction
- *5 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- rs = pink

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B429 Connection (EFPR), in main wiring harness
- * gradual introduction



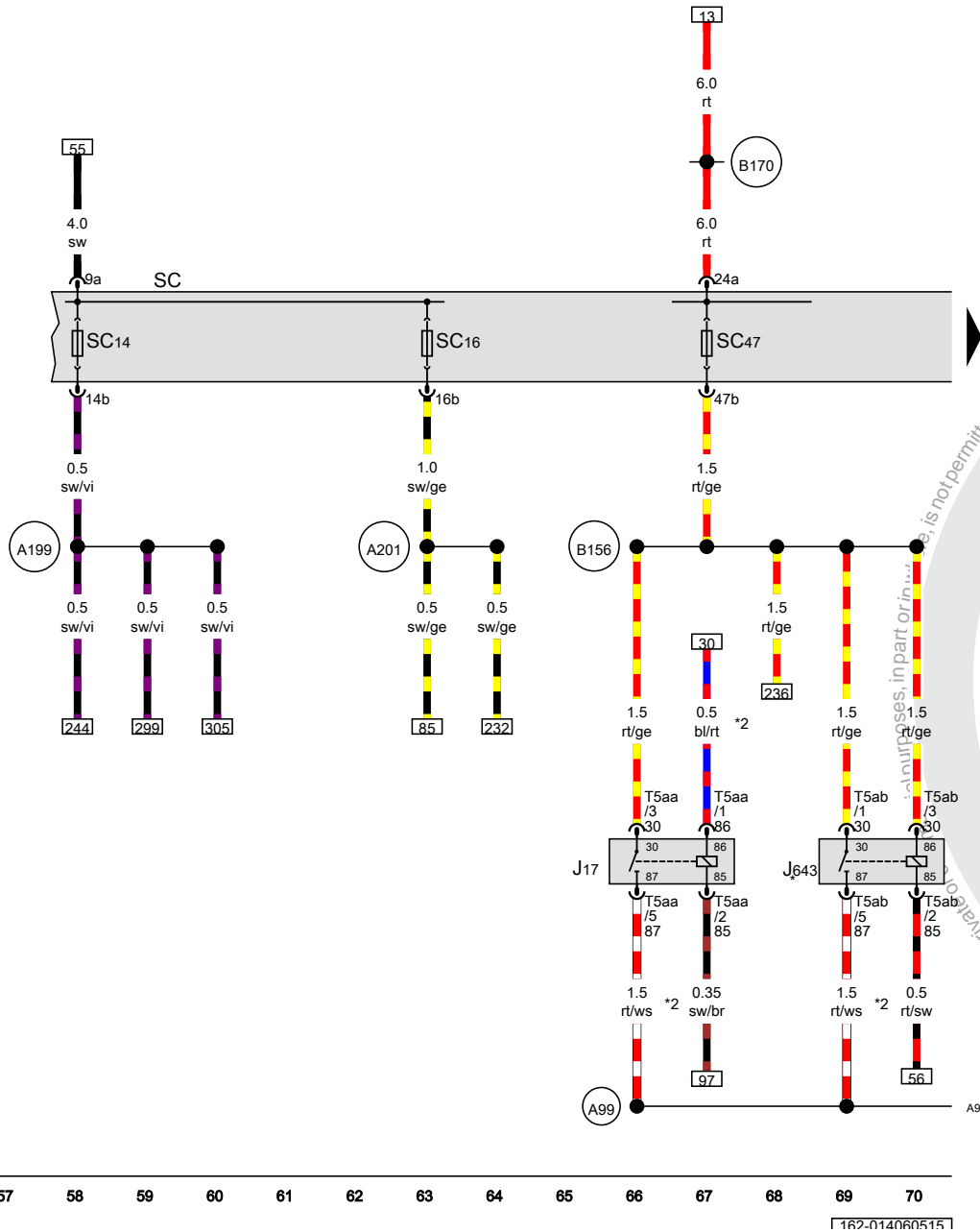
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-014050515

Fuel pump relay, Fuel supply relay, Fuse holder C

- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector

- A99 Connection 1 (87) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with auxiliary coolant heater
- *2 Wiring colour depends on equipment

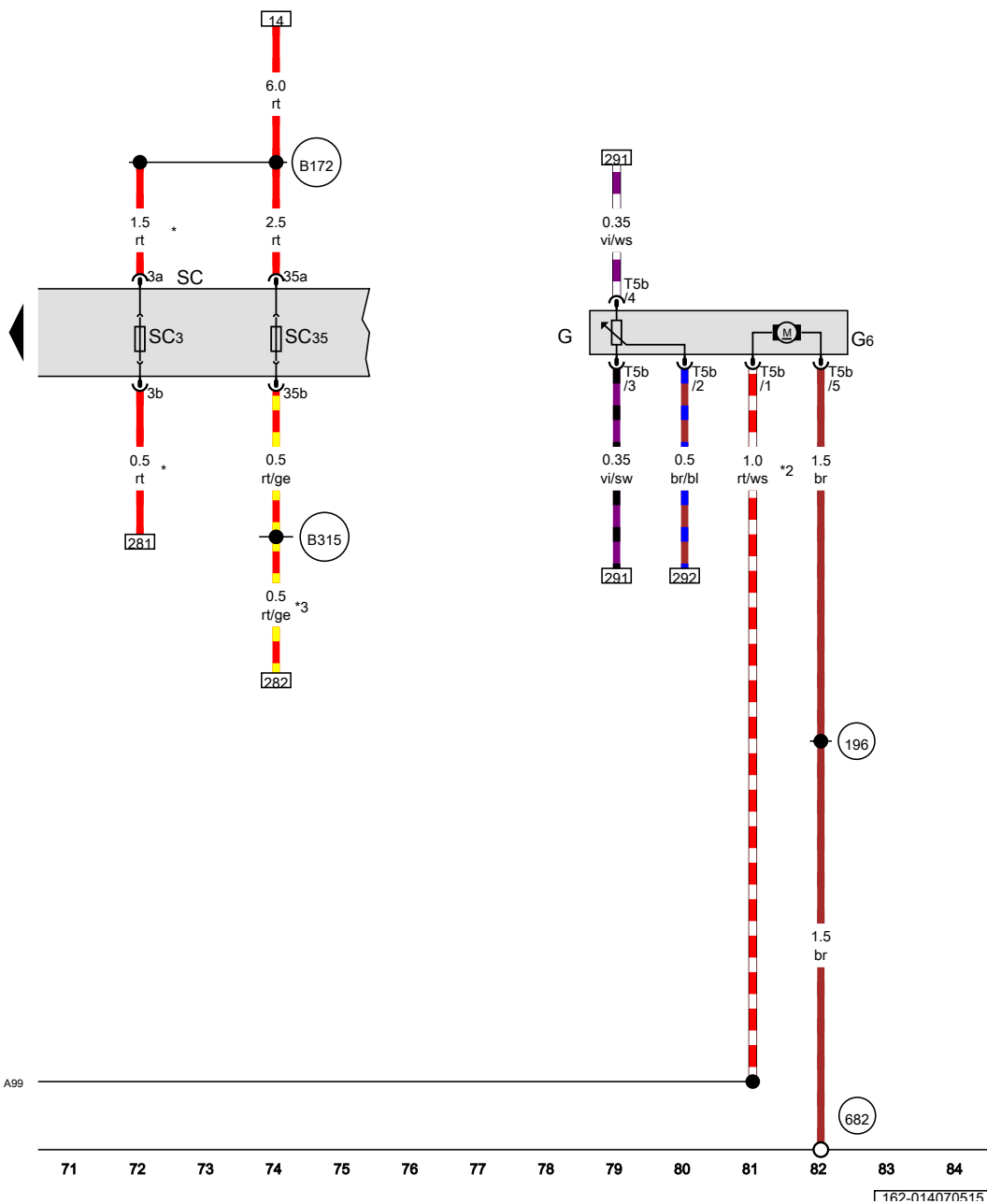


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * gradual introduction
- *2 Wiring colour depends on equipment
- *3 Gradually discontinued



- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-014070515

Engine control unit

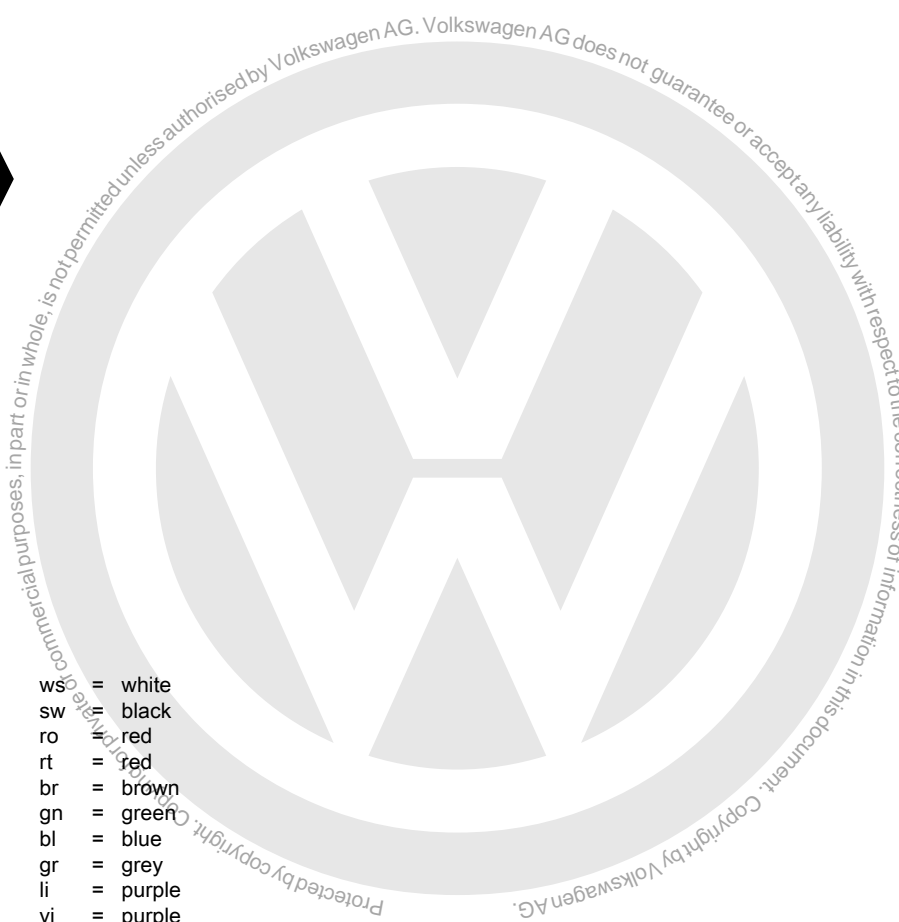
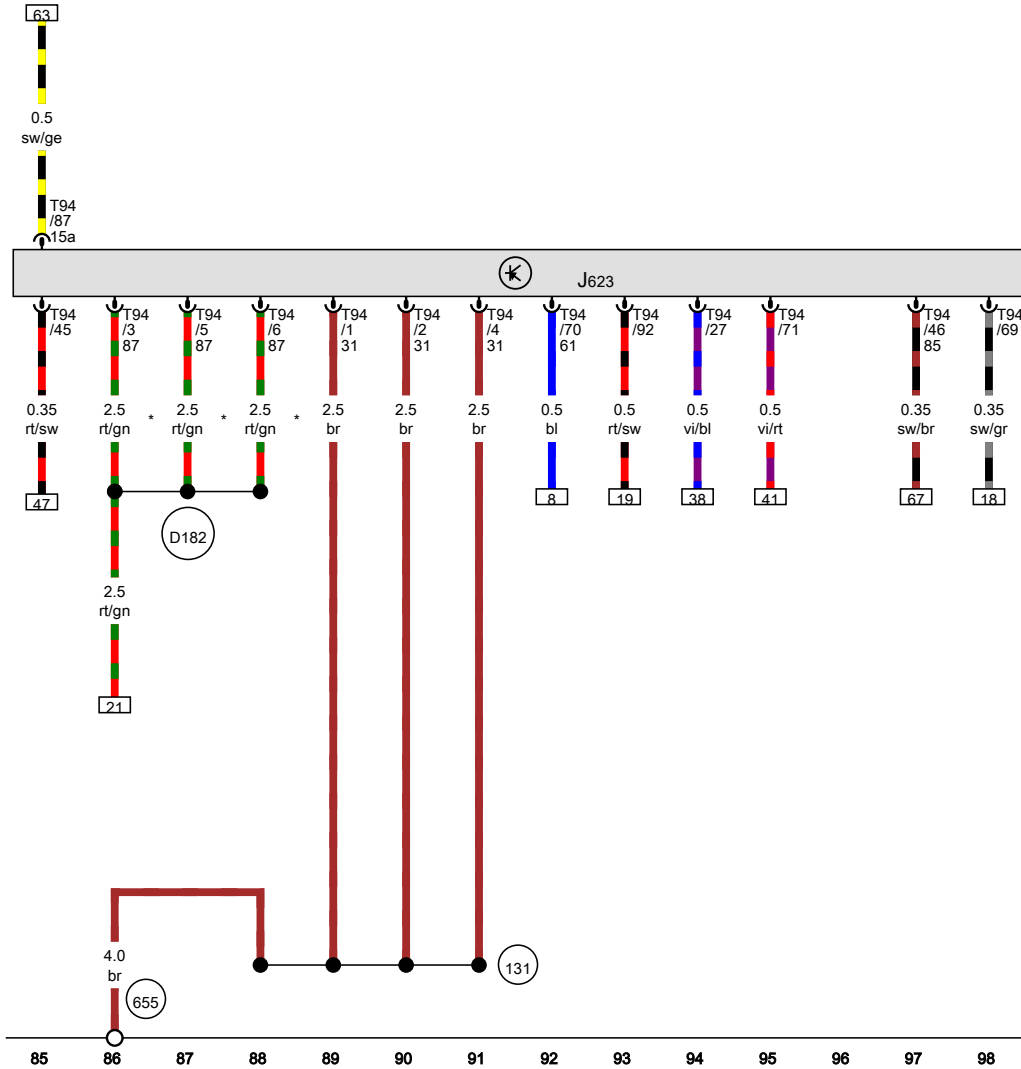
J623 Engine control unit
T94 94-pin connector

(131) Earth connection 2, in engine compartment wiring harness

(655) Earth point, on left headlight

(D182) Connection 3 (87a) in engine compartment wiring harness

* Cross-section 1.5 possible



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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162-014080515

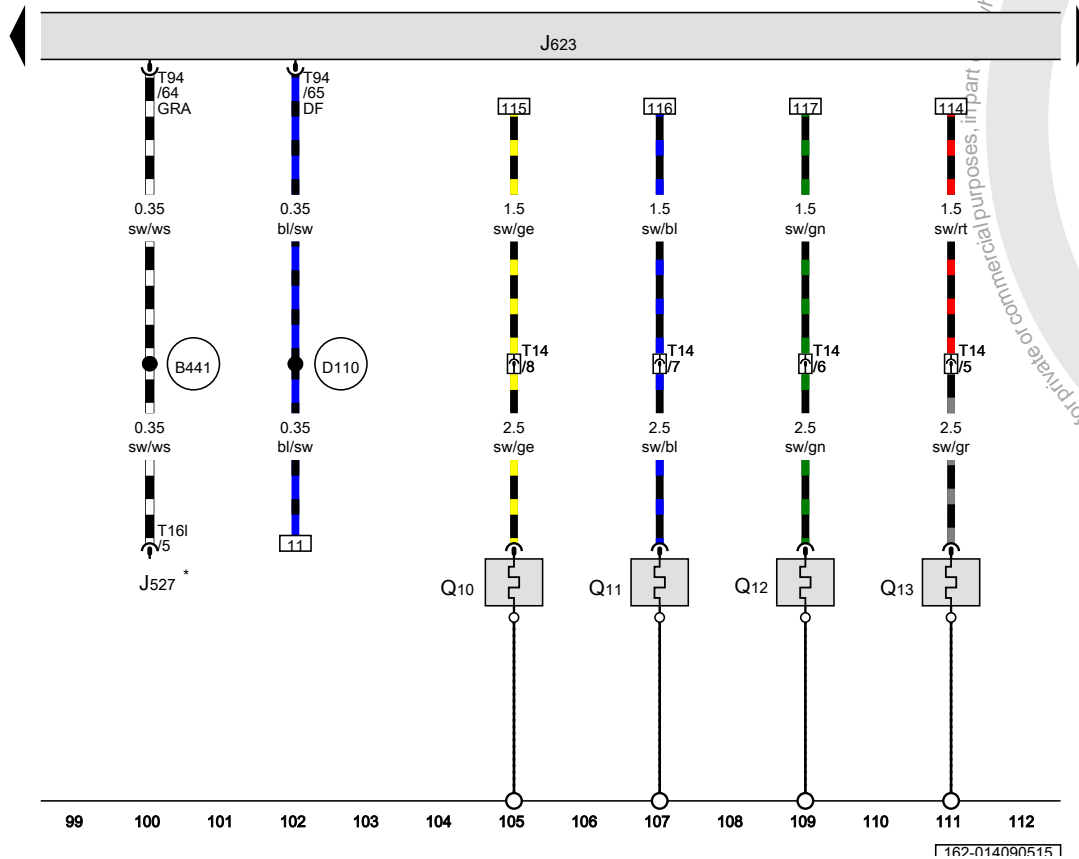
Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J527 Steering column electronics control unit
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T14 14-pin connector, near battery
- T16l 16-pin connector
- T94 94-pin connector

B441 Connection (CCS), in main wiring harness

D110 Connection 8 in engine compartment wiring harness

* Only models with cruise control system (CCS)



- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-014090515

Automatic glow period control unit, Engine control unit

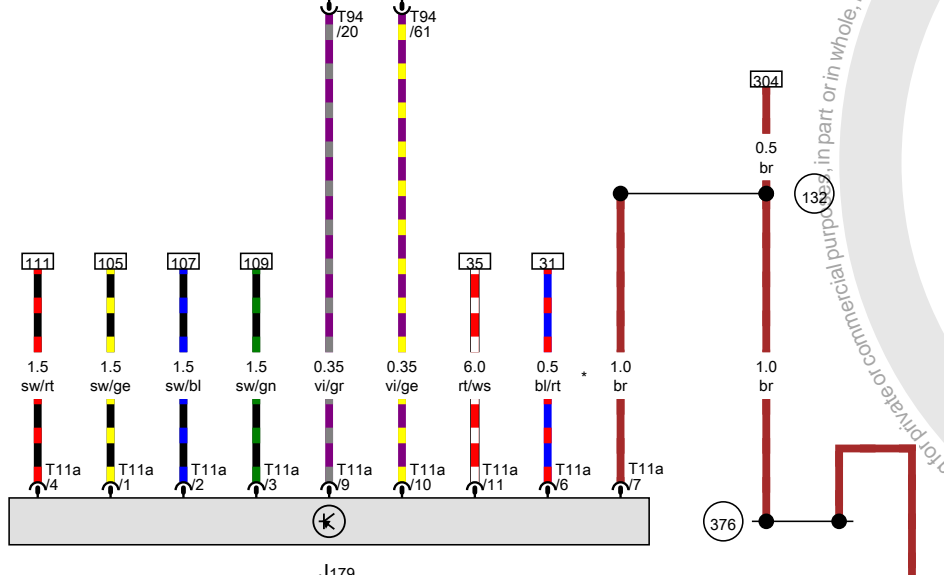
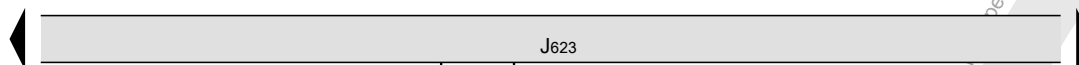
- J179 Automatic glow period control unit
- J623 Engine control unit
- T11a 11-pin connector
- T94 94-pin connector

132 Earth connection 3, in engine compartment wiring harness

376 Earth connection 11, in main wiring harness

655 Earth point, on left headlight

* Wiring colour depends on equipment



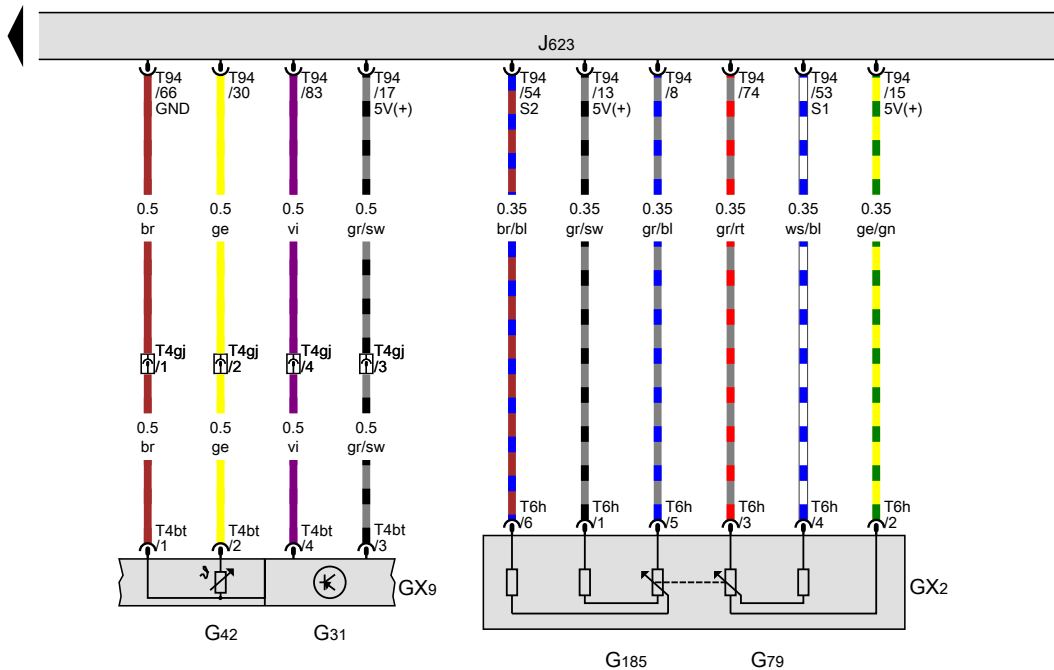
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-014100515

Accelerator pedal module, Intake manifold sender, Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140

[162-014110515]

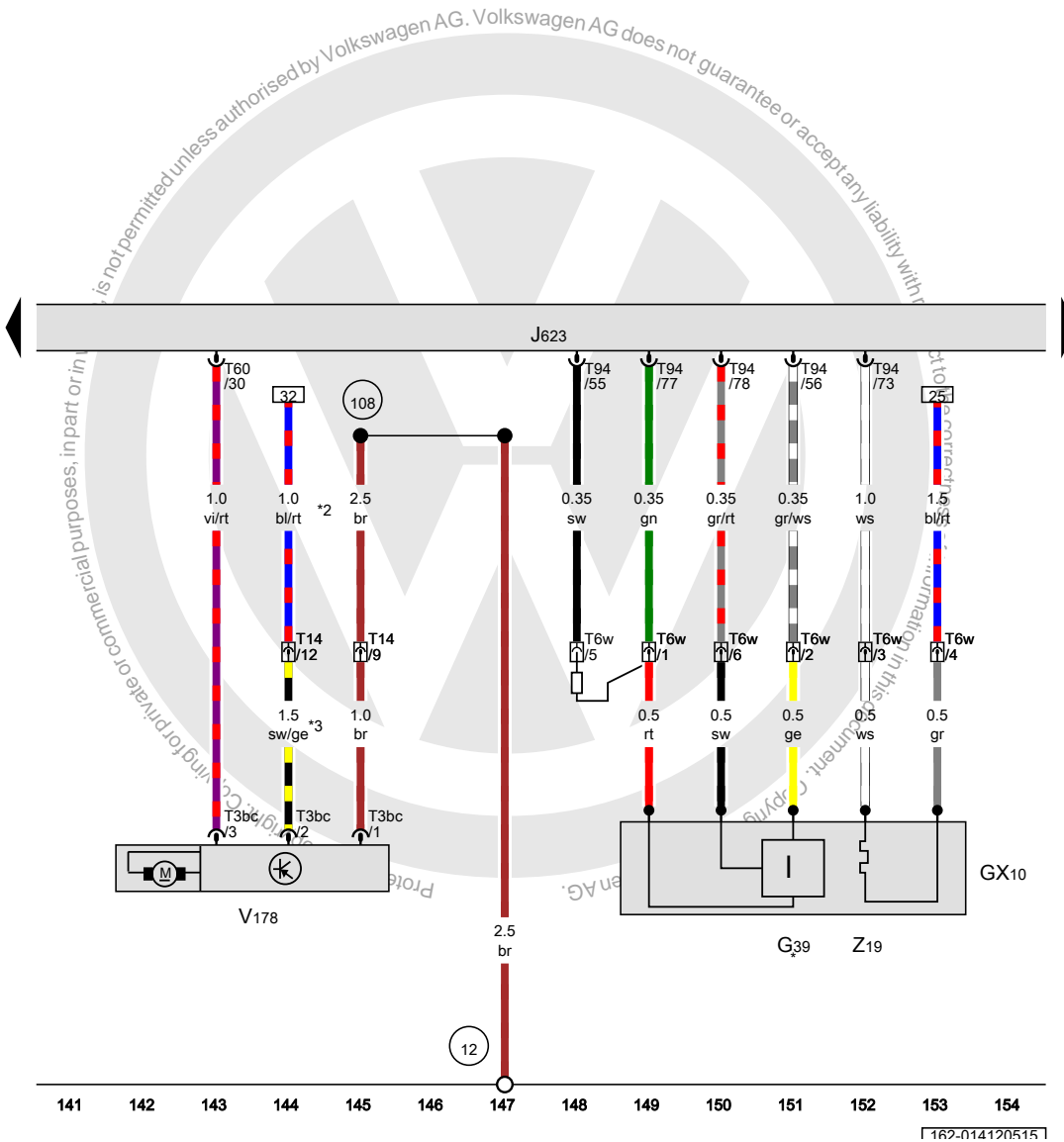
Lambda probe 1 before catalytic converter, Engine control unit, Coolant circulation pump 2

- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- T3bc 3-pin connector
- T6w 6-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2
- Z19 Lambda probe heater

12 Earth point, on left in engine compartment

108 Earth connection 2, in front left wiring harness

- * Only models with Euro 5 emission standard
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment



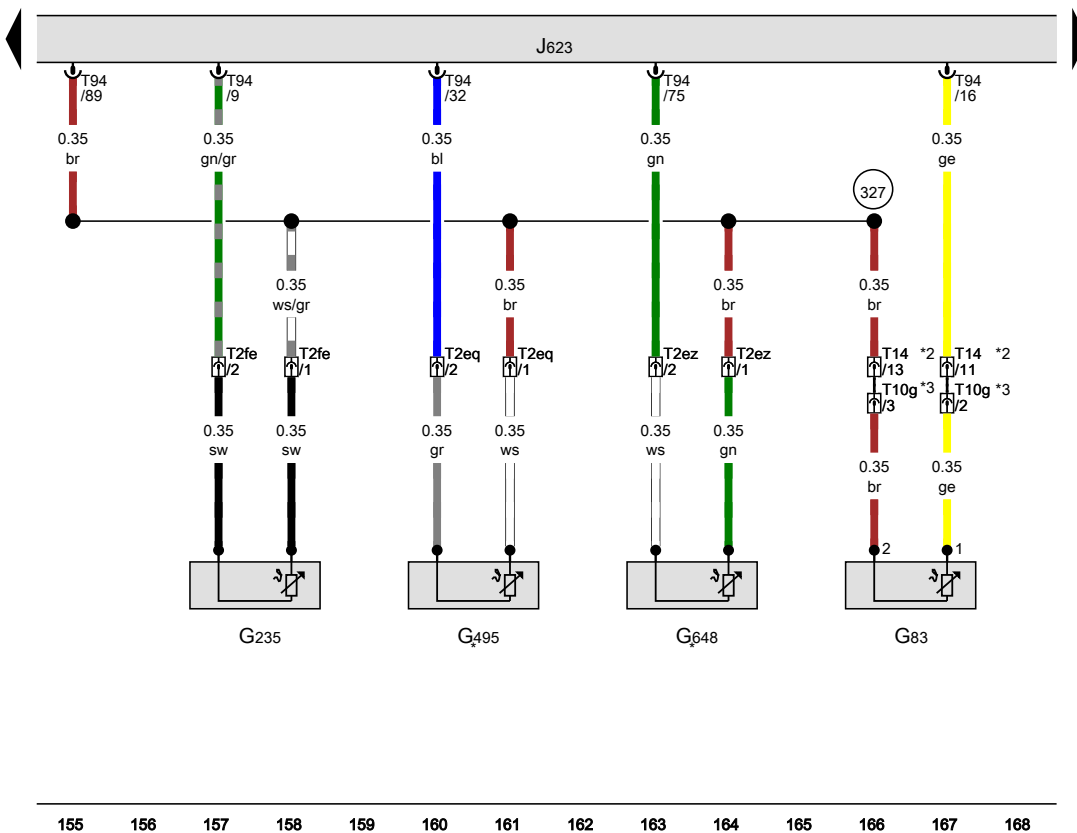
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-014120515

Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2eq 2-pin connector
- T2ez 2-pin connector
- T2fe 2-pin connector
- T10g 10-pin connector
- T14 14-pin connector
- T94 94-pin connector

- 327 Earth connection (sender earth), in engine compartment wiring harness
- * Only models with Euro 5 emission standard
- *2 gradual introduction
- *3 Gradually discontinued

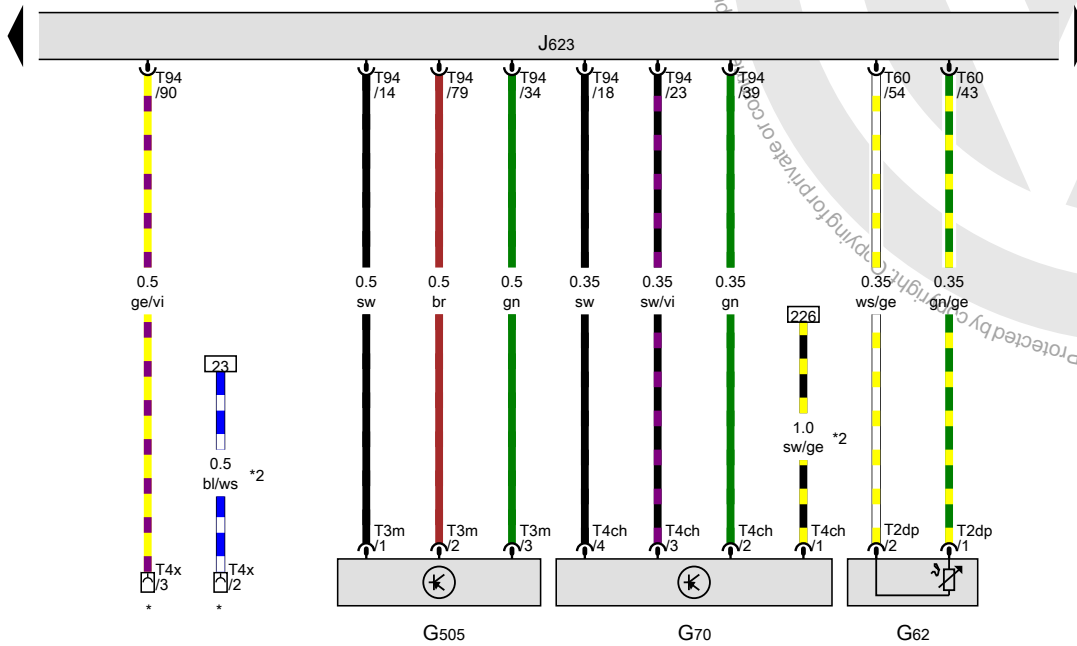


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Coolant temperature sender, Air mass meter, Pressure differential sender, Engine control unit

- G62 Coolant temperature sender
- G70 Air mass meter
- G505 Pressure differential sender
- J623 Engine control unit
- T2dp 2-pin connector
- T3m 3-pin connector
- T4ch 4-pin connector
- T4x 4-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Radiator fan connection
- *2 Wiring colour depends on equipment

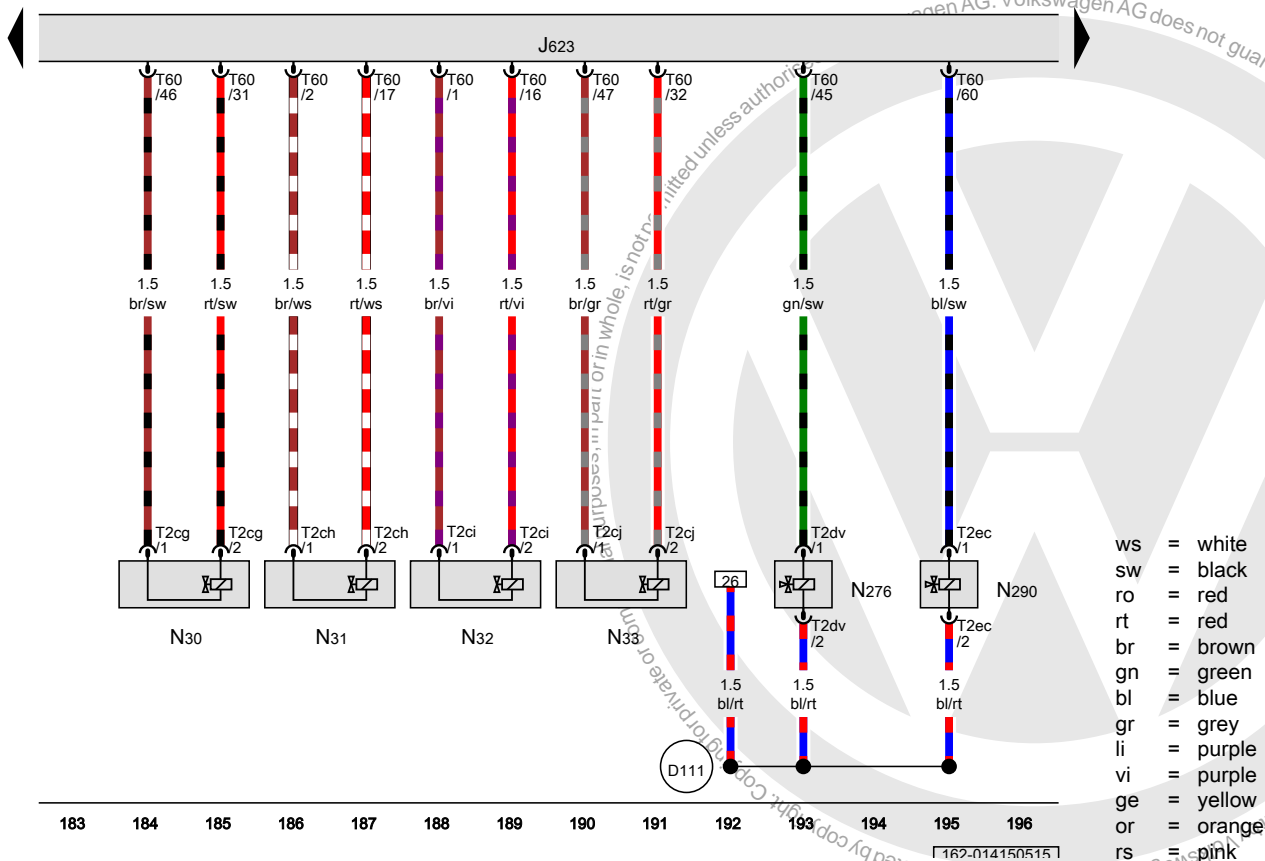


- ws = white
- sw = black
- ro = red
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- or = orange
- rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T60 60-pin connector

D111 Connection 9 in engine compartment wiring harness



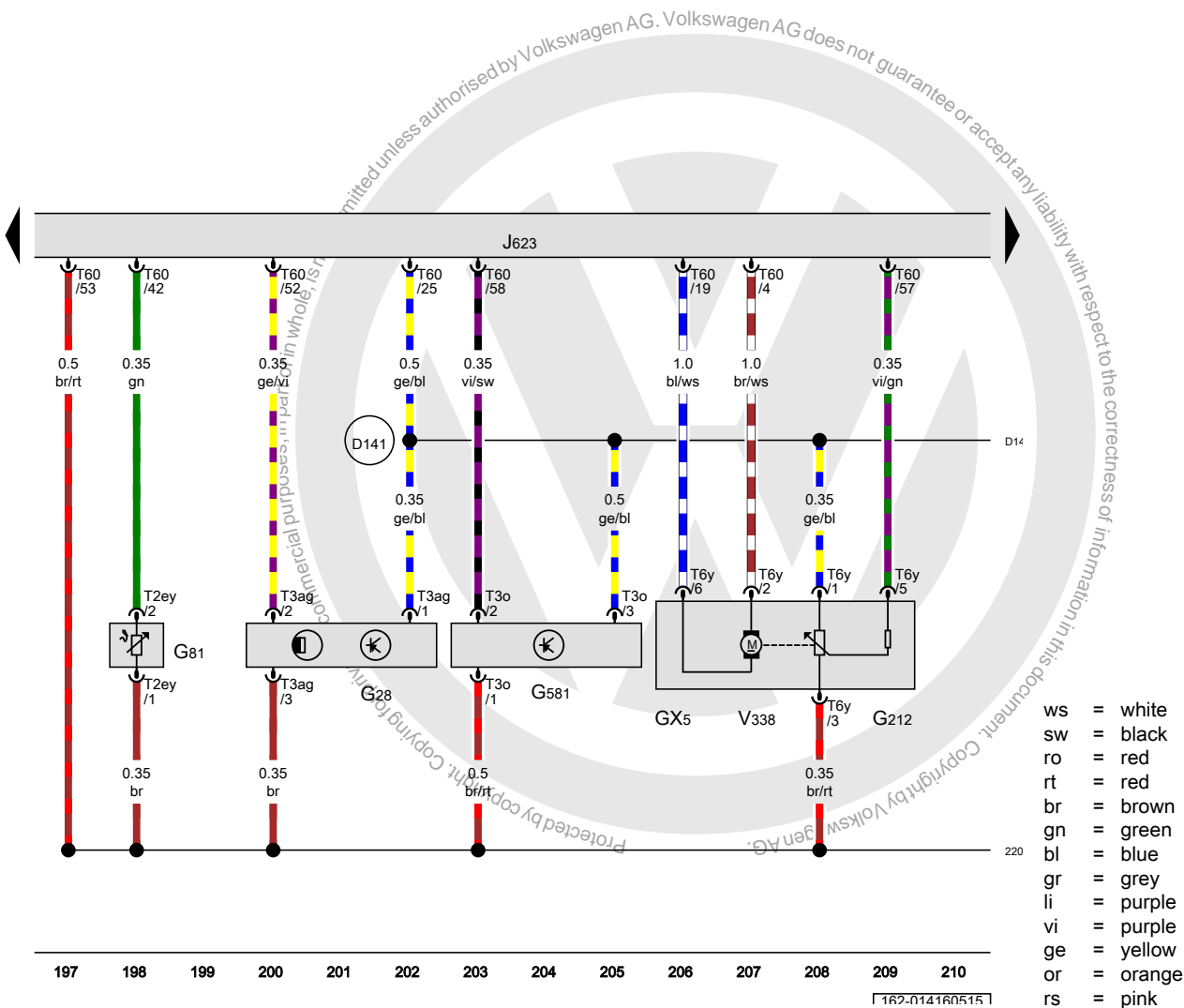
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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196
 [162-014150515]

Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Engine control unit, Exhaust gas recirculation control motor

- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T2ey 2-pin connector
- T3ag 3-pin connector
- T3o 3-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

- (220) Earth connection (sender earth), in engine wiring harness
- (D141) Connection (5V) in engine prewiring harness



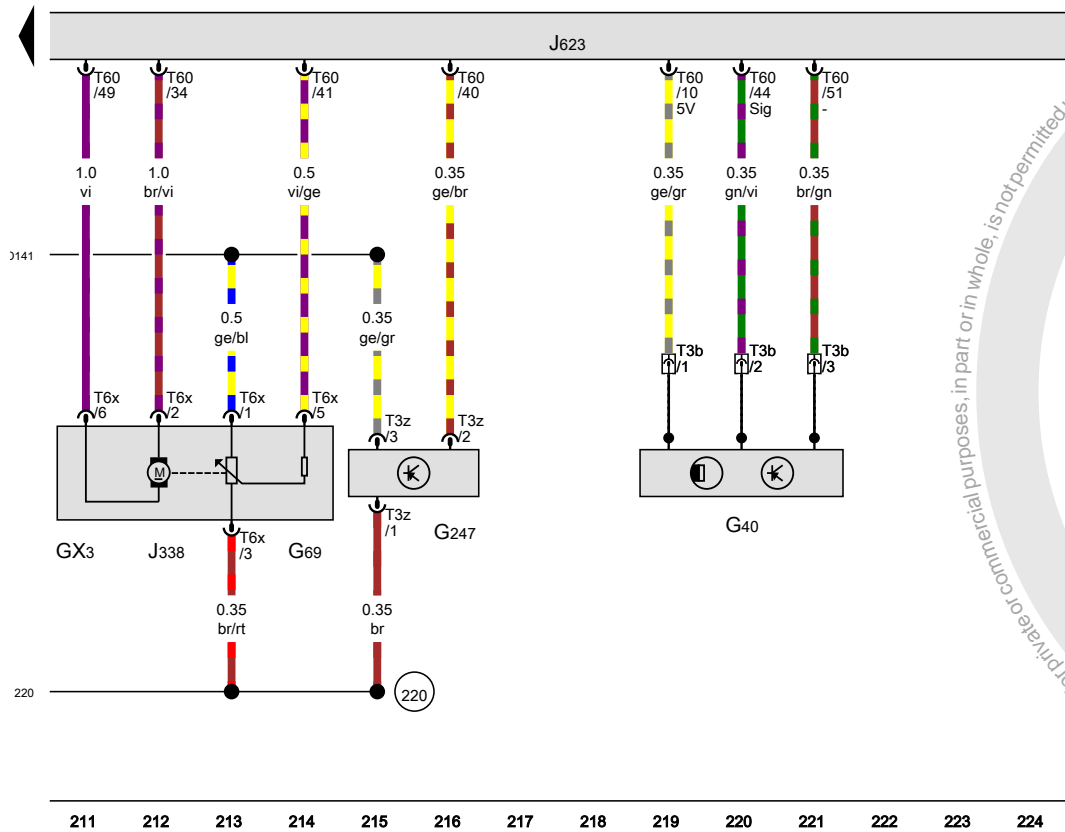
[162-014160515]

Throttle valve module, Hall sender, Throttle valve potentiometer, Fuel pressure sender, Engine control unit

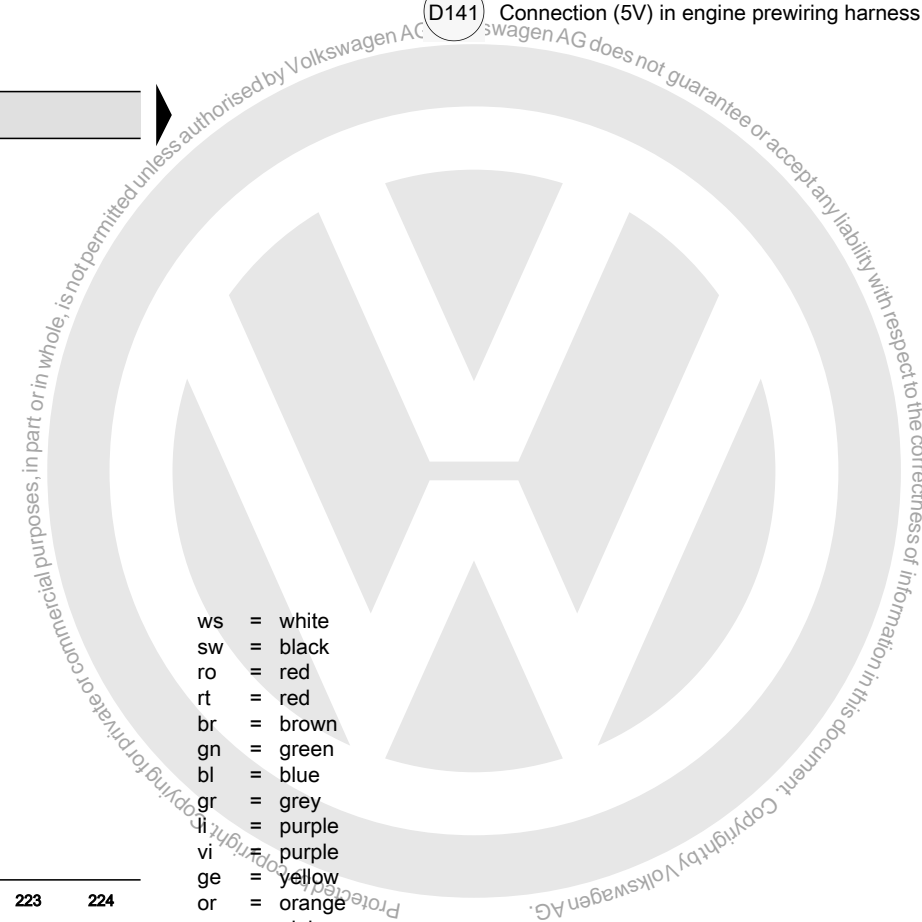
- GX3 Throttle valve module
- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J623 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3z 3-pin connector
- T6x 6-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness



- ws = white
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- gr = grey
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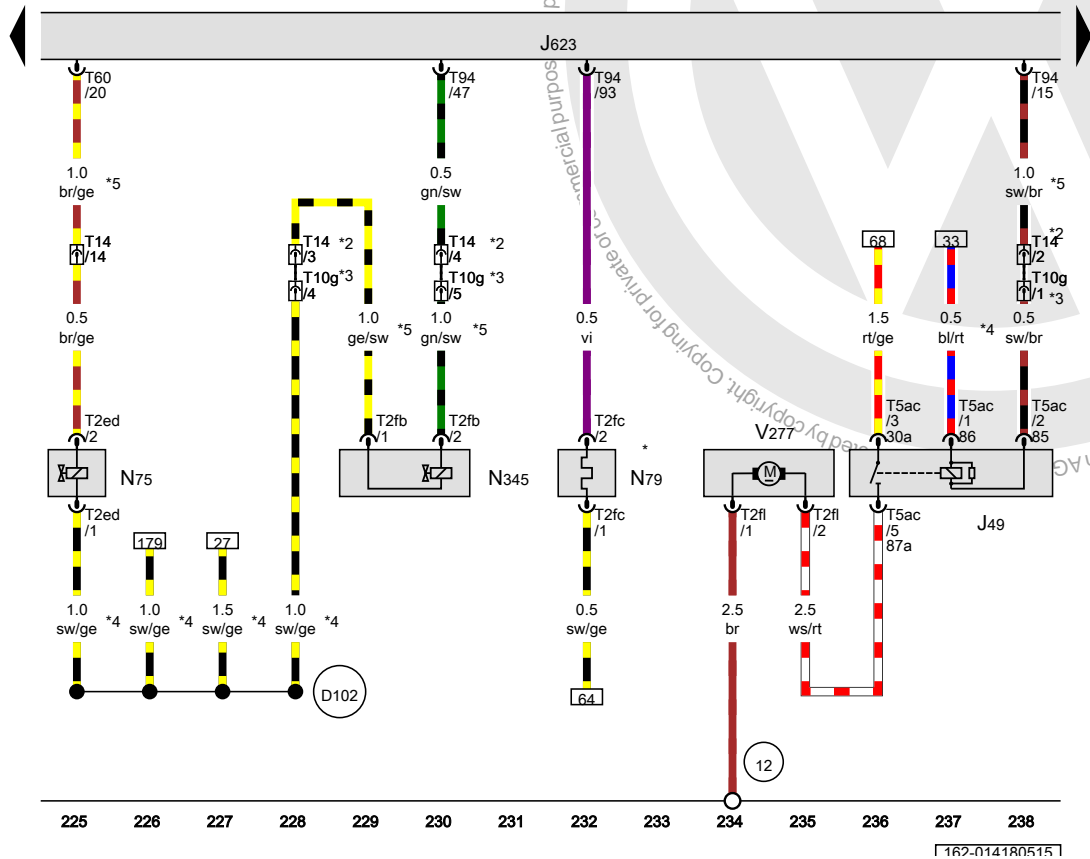
211 212 213 214 215 216 217 218 219 220 221 222 223 224

162-0141705151

Electric fuel pump 2 relay, Engine control unit, Charge pressure control solenoid valve, Heater element for crankcase breather, Exhaust gas recirculation cooler changeover valve, Fuel pump 2

- J49 Electric fuel pump 2 relay
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N79 Heater element for crankcase breather
- N345 Exhaust gas recirculation cooler changeover valve
- T2ed 2-pin connector
- T2fb 2-pin connector
- T2fc 2-pin connector
- T2fi 2-pin connector
- T5ac 5-pin connector
- T10g 10-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V277 Fuel pump 2

- 12 Earth point, on left in engine compartment
- D102 Connection 2 in engine compartment wiring harness
- * Only models with crankcase breather heater element
- *2 gradual introduction
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment
- *5 Cross section depends on equipment



- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-014180515

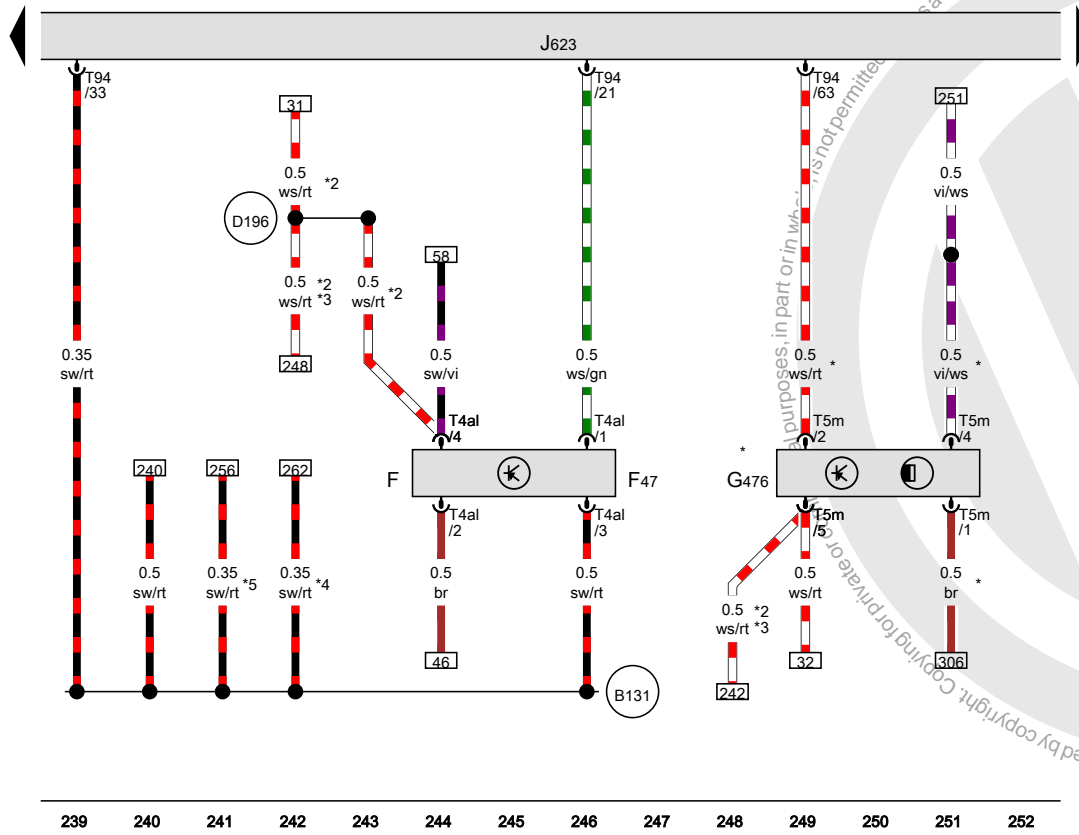
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

D196 Connection 2 (87a) in engine prewiring harness

- * Only models with manual gearbox
- *2 gradual introduction
- *3 According to equipment
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *5 Only models with ABS and no ESP



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- gr = grey
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ABS control unit, Onboard supply control unit, Engine control unit

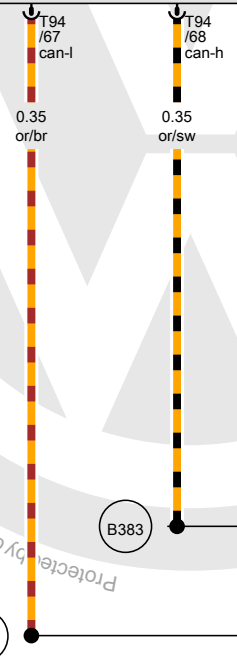
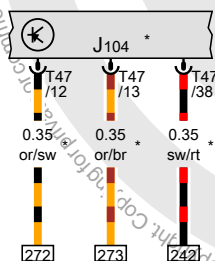
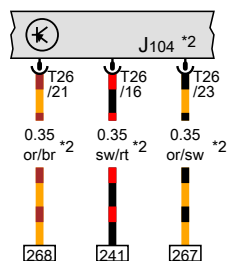
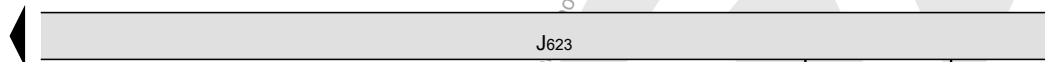
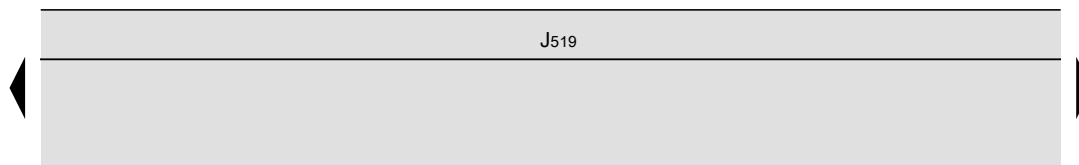
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

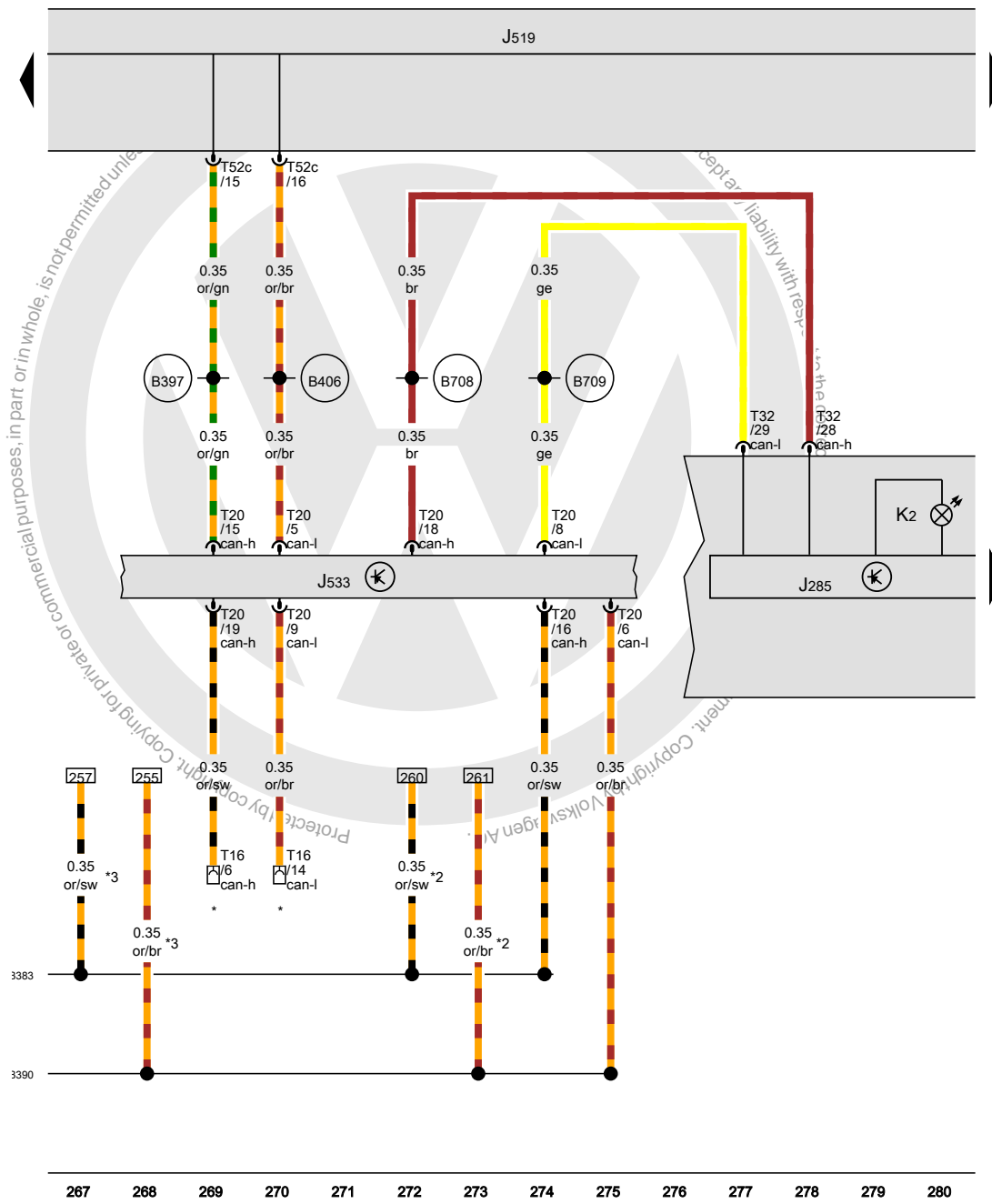
*2 Only models with ABS and no ESP



- ws = white
- sw = black
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- rs = pink

253 254 255 256 257 258 259 260 261 262 263 264 265 266

162-014200515



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

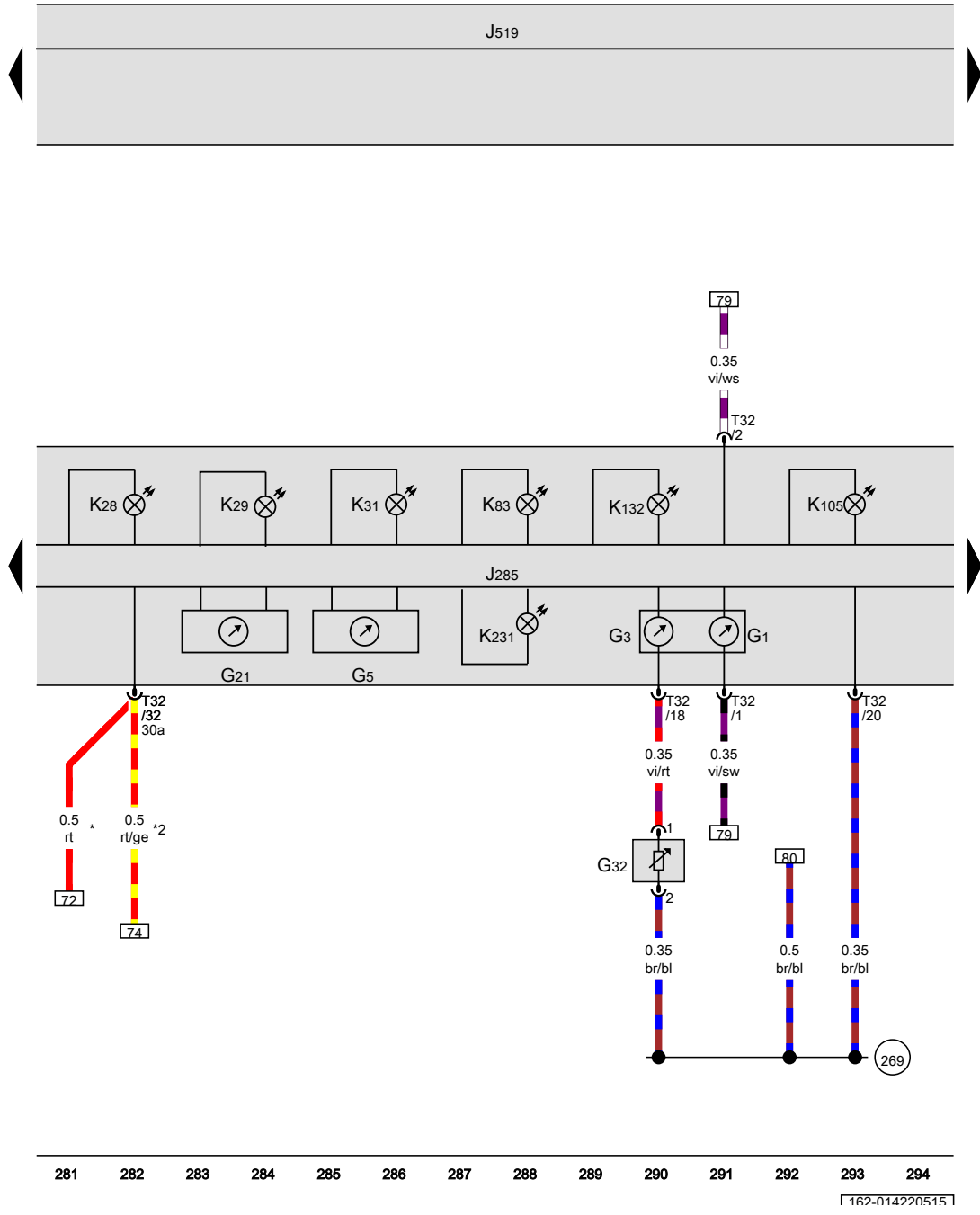
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Cruise control system warning lamp, Exhaust emissions warning lamp, Electronic power control fault lamp

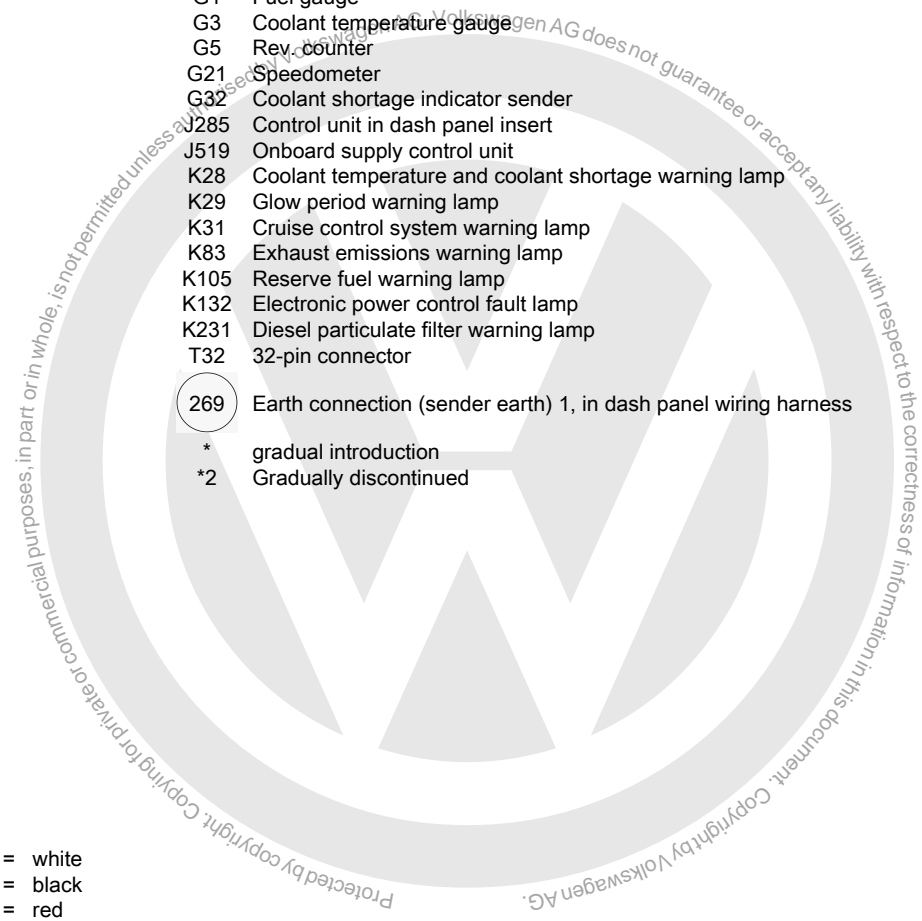
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- K231 Diesel particulate filter warning lamp
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness

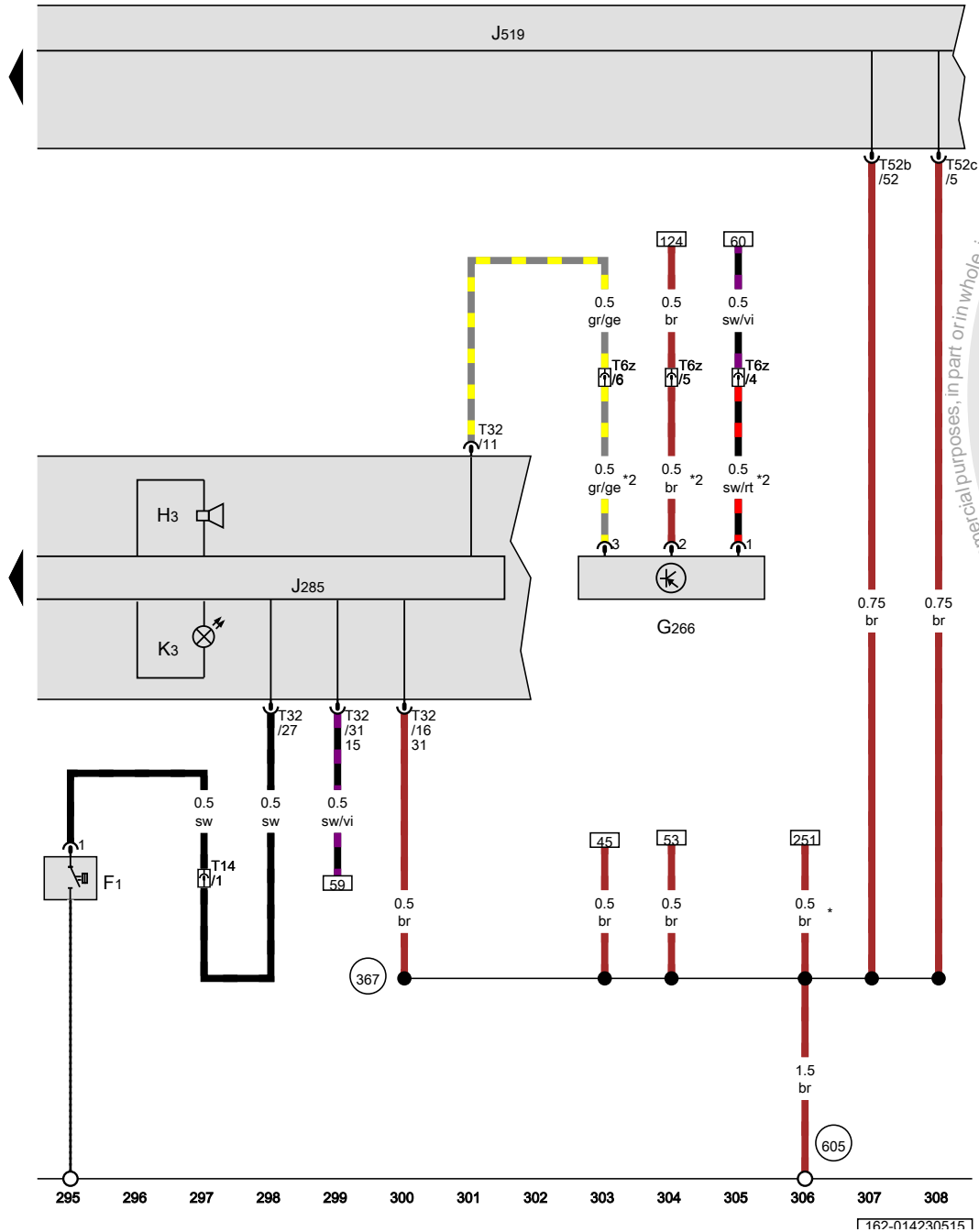
- * gradual introduction
- *2 Gradually discontinued



- ws = white
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Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Oil pressure warning lamp



- F1 Oil pressure switch
 - G266 Oil level and oil temperature sender
 - H3 Buzzer and gong
 - J285 Control unit in dash panel insert
 - J519 Onboard supply control unit
 - K3 Oil pressure warning lamp
 - T6z 6-pin connector, near left headlight
 - T14 14-pin connector
 - T32 32-pin connector
 - T52b 52-pin connector
 - T52c 52-pin connector
- 367 Earth connection 2, in main wiring harness
 - 605 Earth point, on top end of steering column
- * Only models with manual gearbox
 - *2 Only models with flexible service interval display

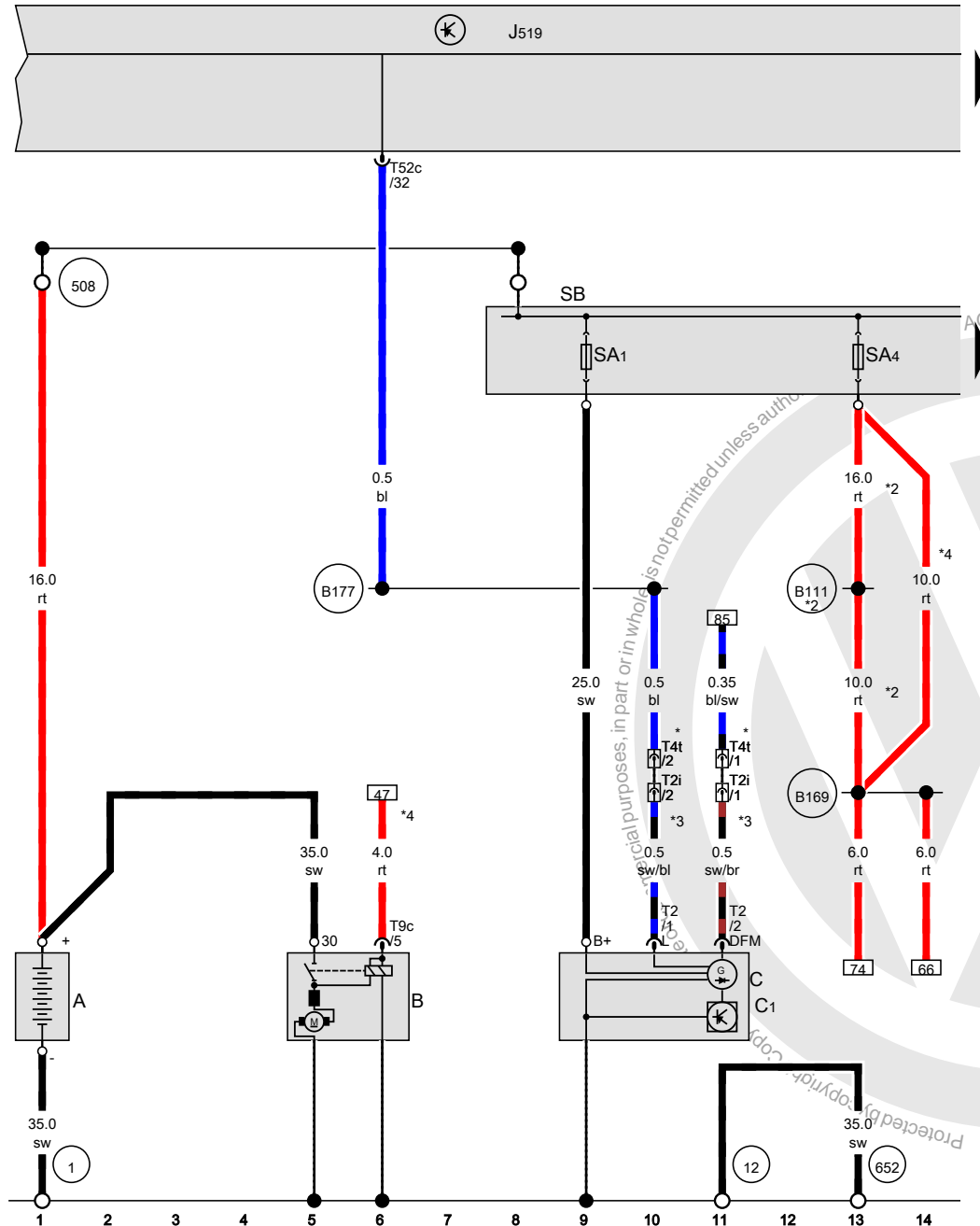
- ws = white
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162-014230515

1.2l petrol engine , CBZB,(AW1)

From October 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 gradual introduction

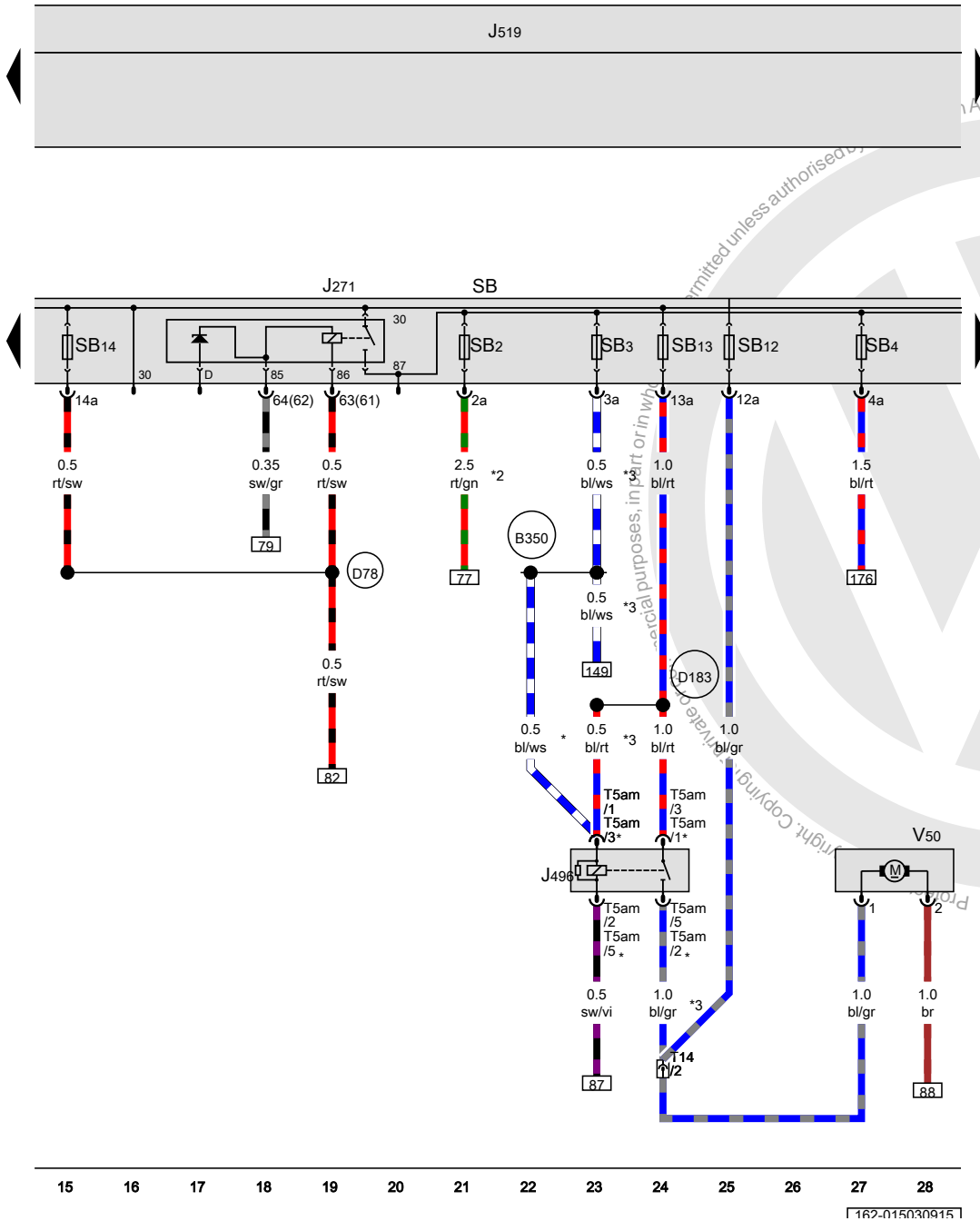
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-015020915

Main relay, Additional coolant pump relay, Onboard supply control unit, Fuse holder B, Coolant circulation pump

- J271 Main relay
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T5am 5-pin connector
- T14 14-pin connector, near battery
- V50 Coolant circulation pump

- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * gradual introduction
- *2 Cross-section 1.5 possible
- *3 Wiring colour depends on equipment



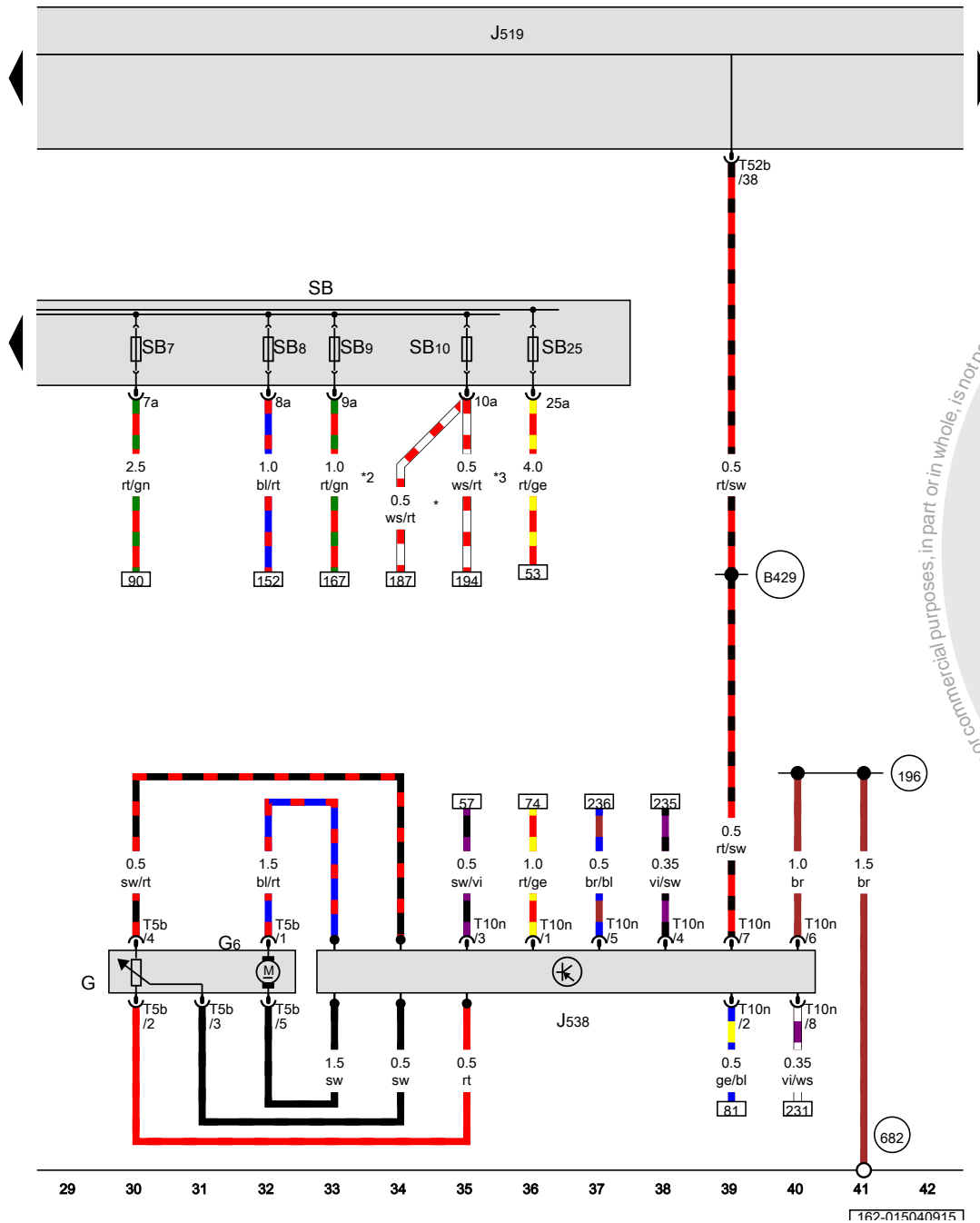
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Onboard supply control unit, Fuel pump control unit, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B429 Connection (EFPR), in main wiring harness
- * gradual introduction
- *2 Cross-section 1.5 possible
- *3 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

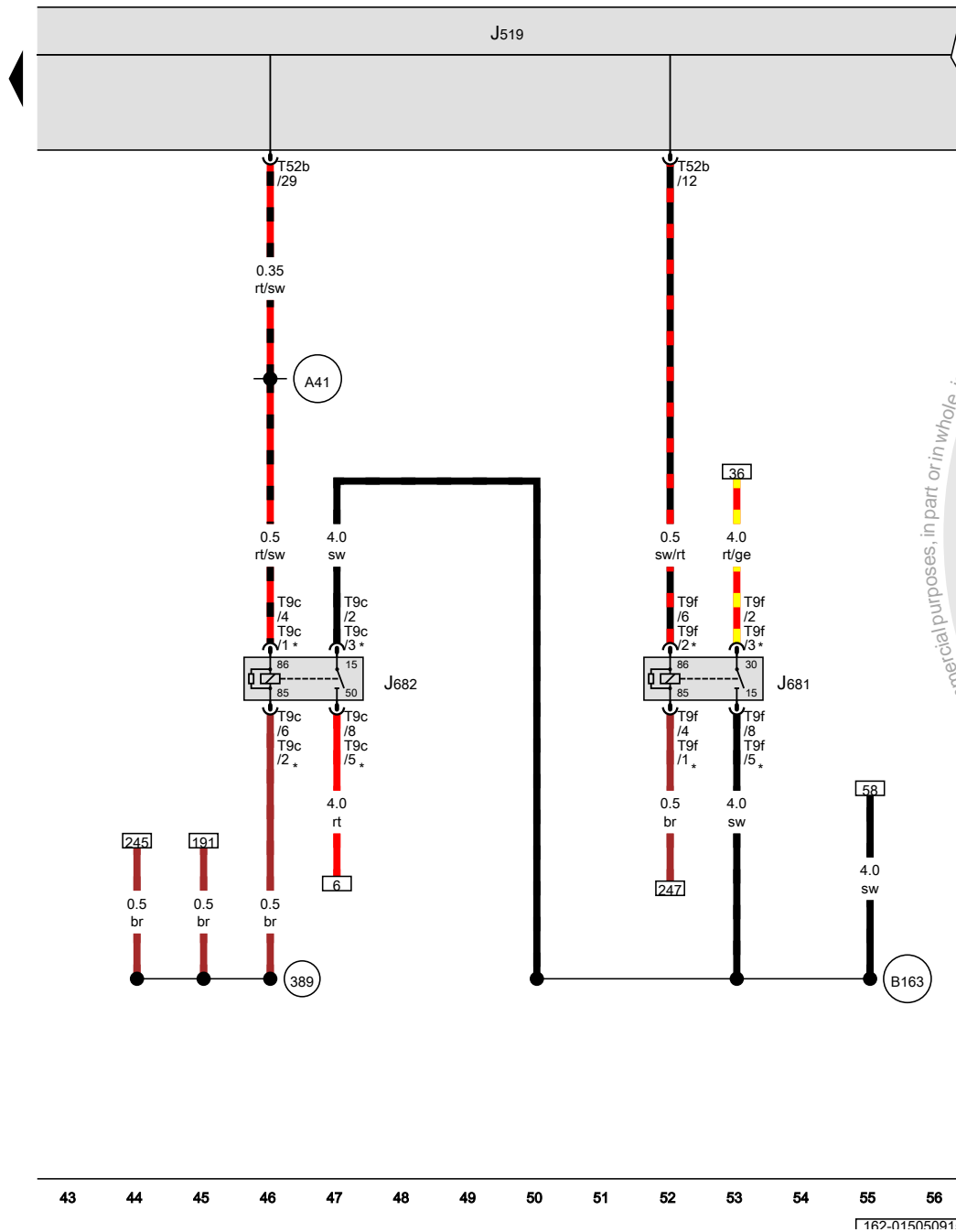


162-015040915

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

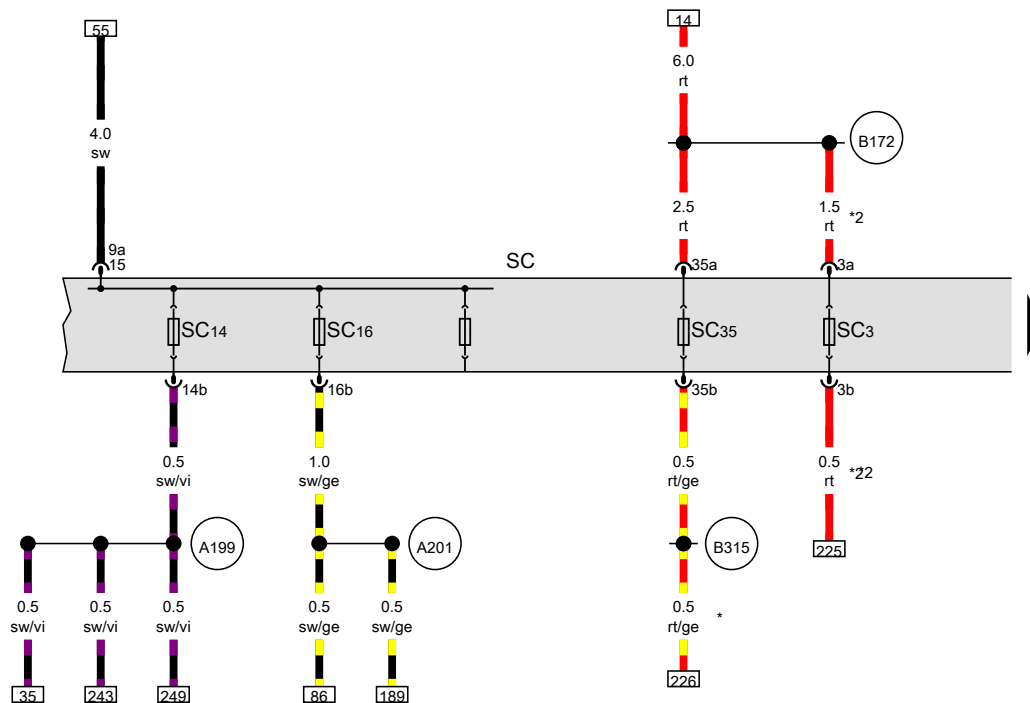
[162-015050915]

Fuse holder C

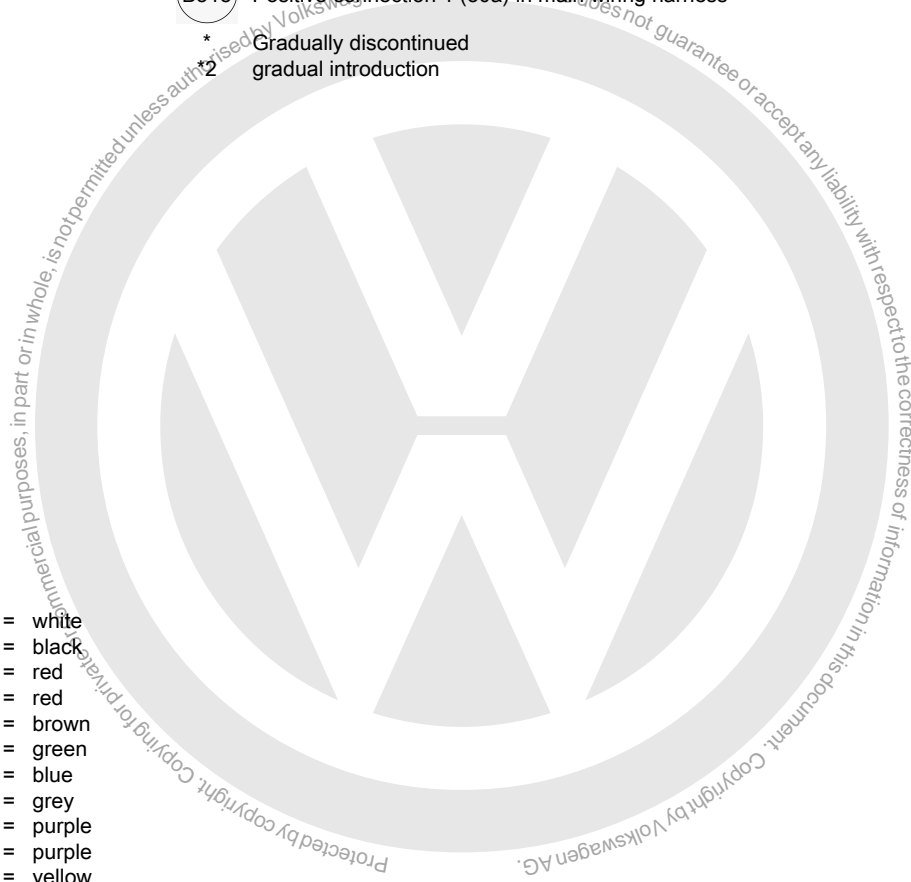
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

* Gradually discontinued gradual introduction



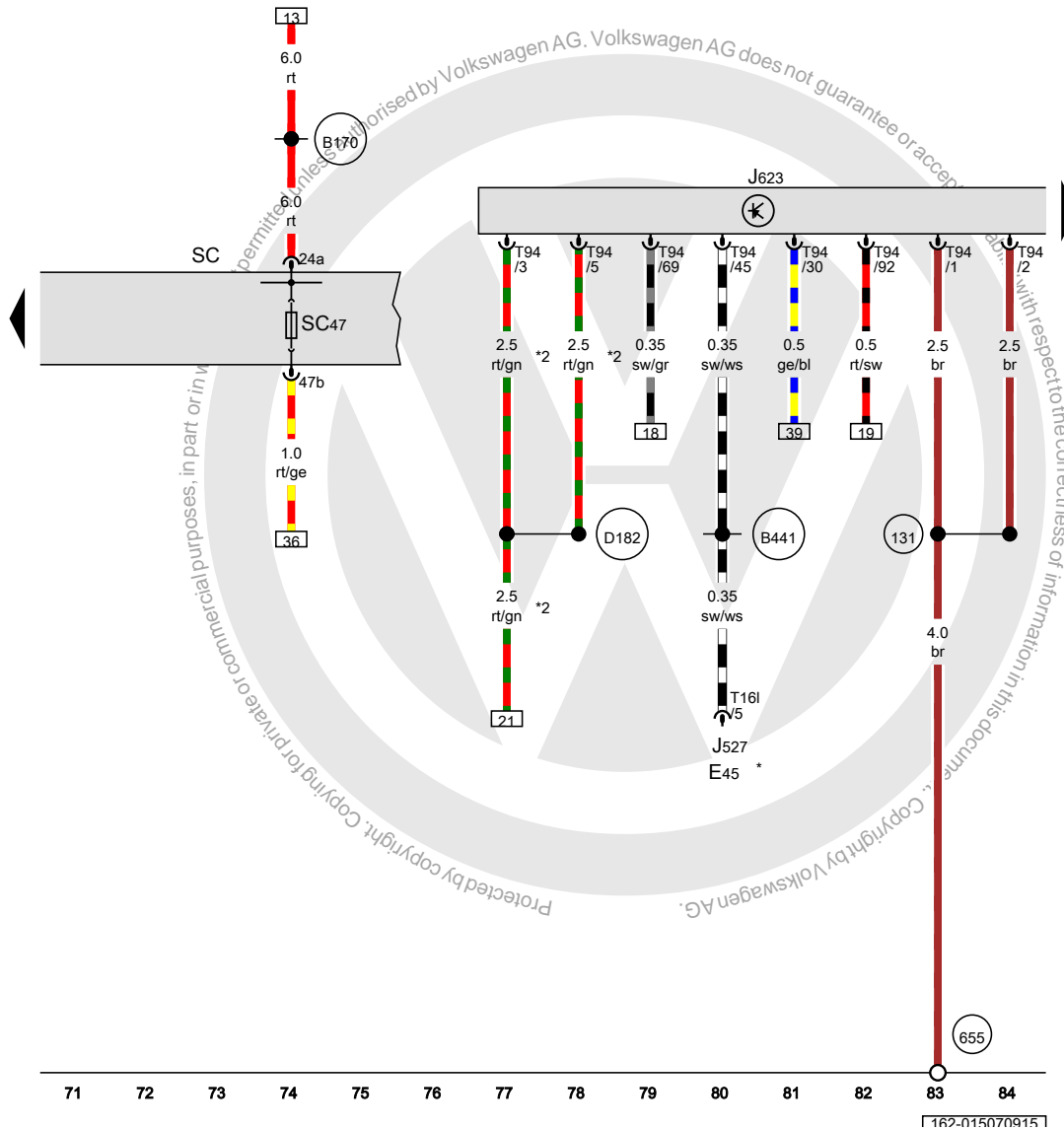
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit, Fuse holder C

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T16l 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B170 Positive connection 2 (30), in interior wiring harness
- B441 Connection (CCS), in main wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Cross-section 1.5 possible

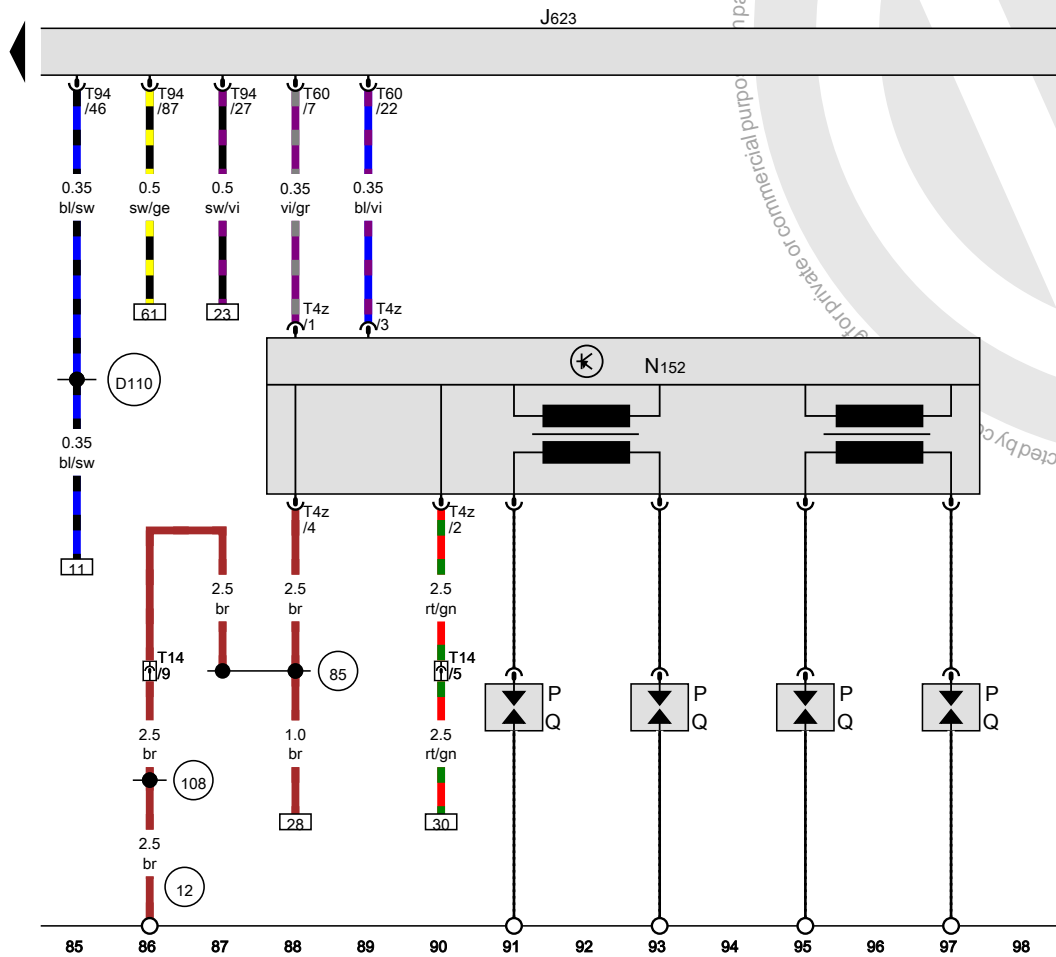


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Spark plug connector, Spark plugs

- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4z 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

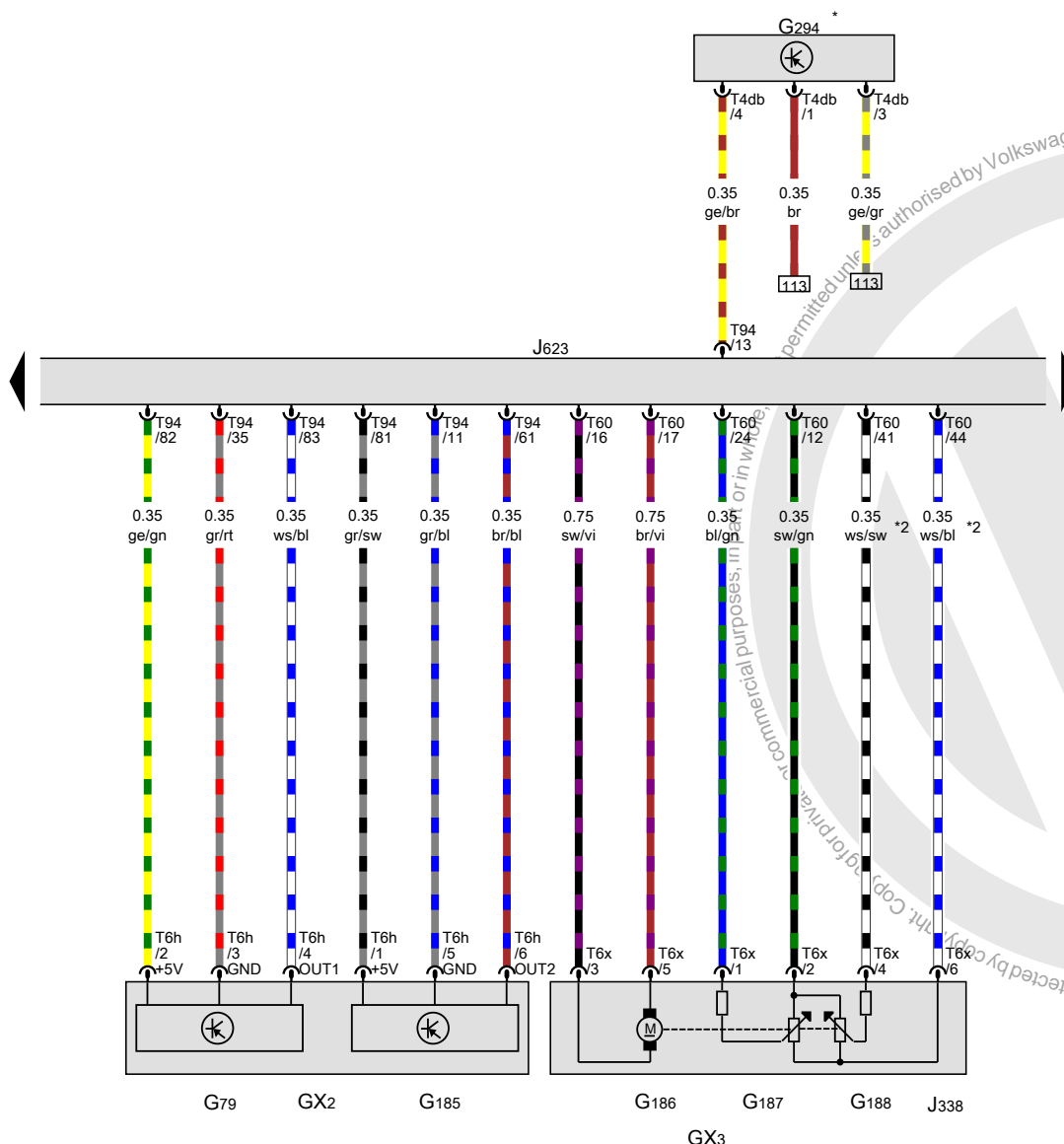
- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- D110 Connection 8 in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

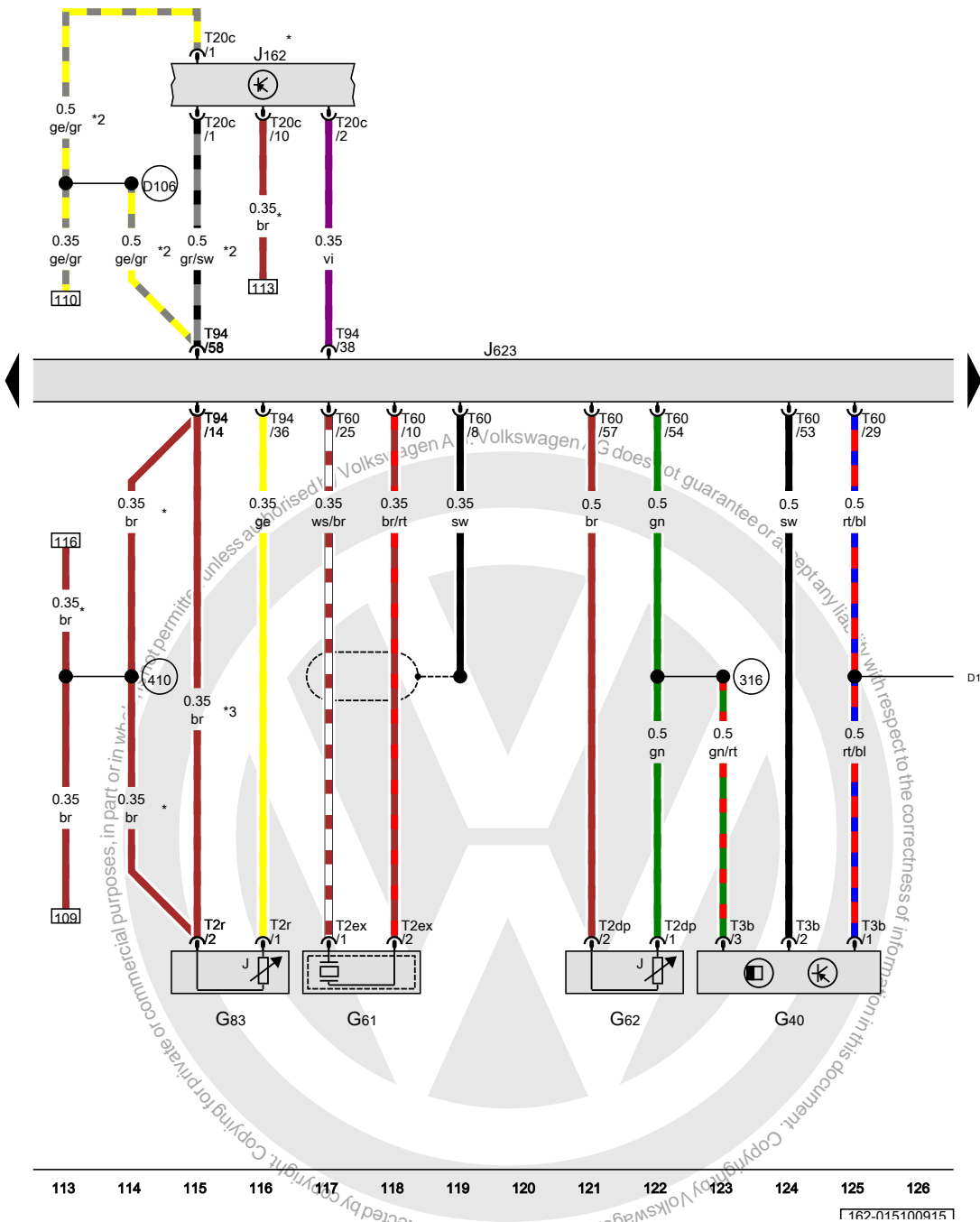
162-015080915

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Brake servo pressure sensor, Engine control unit



- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G294 Brake servo pressure sensor
- J338 Throttle valve module
- J623 Engine control unit, central in plenum chamber
- T4db 4-pin connector
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * According to equipment
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Hall sender, Knock sensor 1, Coolant temperature sender, Radiator outlet coolant temperature sender, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G83 Radiator outlet coolant temperature sender
- J162 Heater control unit
- J623 Engine control unit, central in plenum chamber
- T2dp 2-pin connector
- T2ex 2-pin connector
- T2r 2-pin connector
- T3b 3-pin connector
- T20c 20-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 316 Earth connection (sender earth 2) in engine wiring harness
- 410 Earth connection 1 (sender earth) in main wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * Only models with no air conditioning system/Climatronic
- *2 According to equipment
- *3 Only models with air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

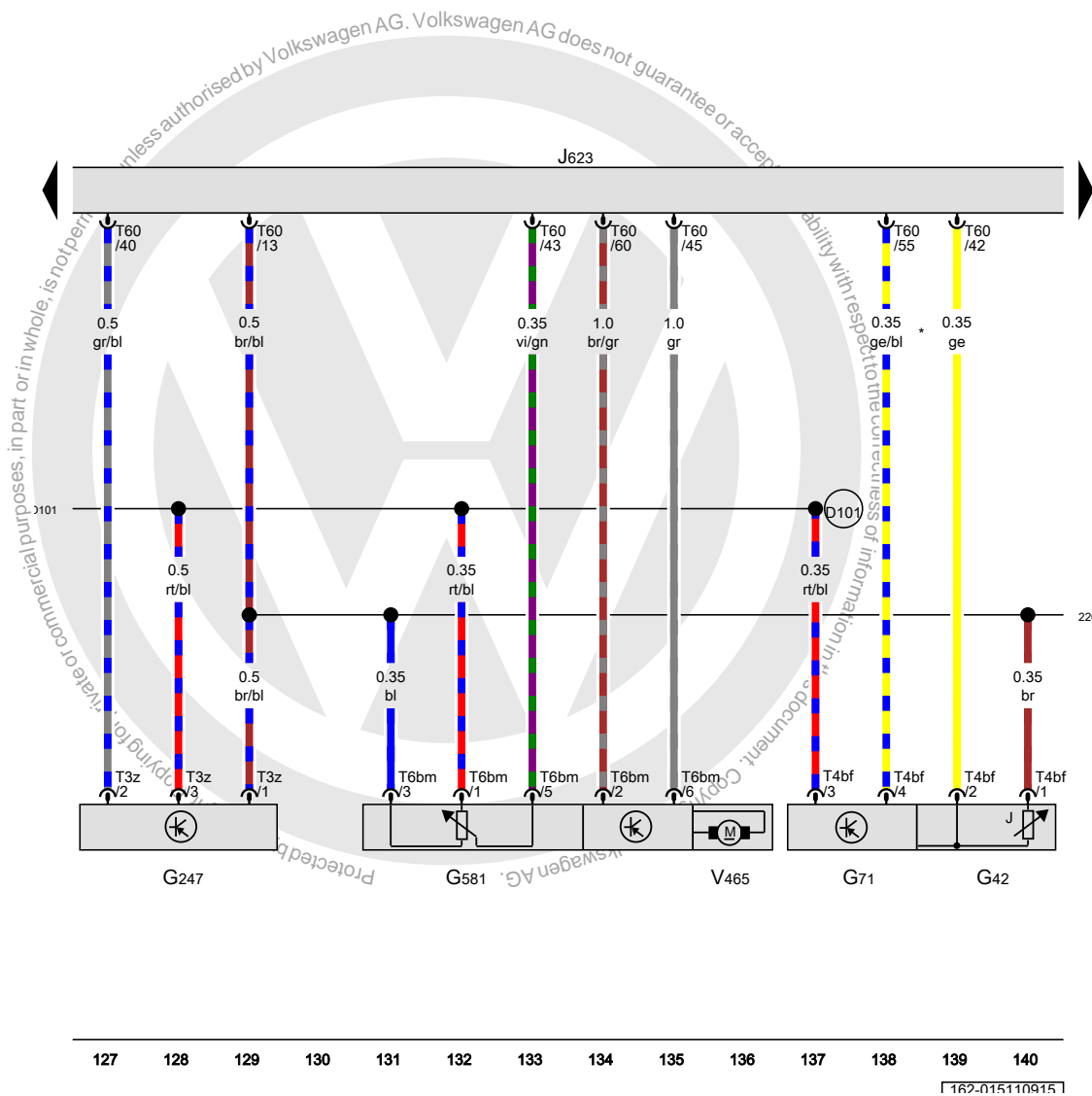
113 114 115 116 117 118 119 120 121 122 123 124 125 126

162-015100915

Intake air temperature sender, Intake manifold pressure sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine control unit, Charge pressure positioner

- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector
- T4bf 4-pin connector
- T6bm 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness
- * Wiring colour depends on equipment

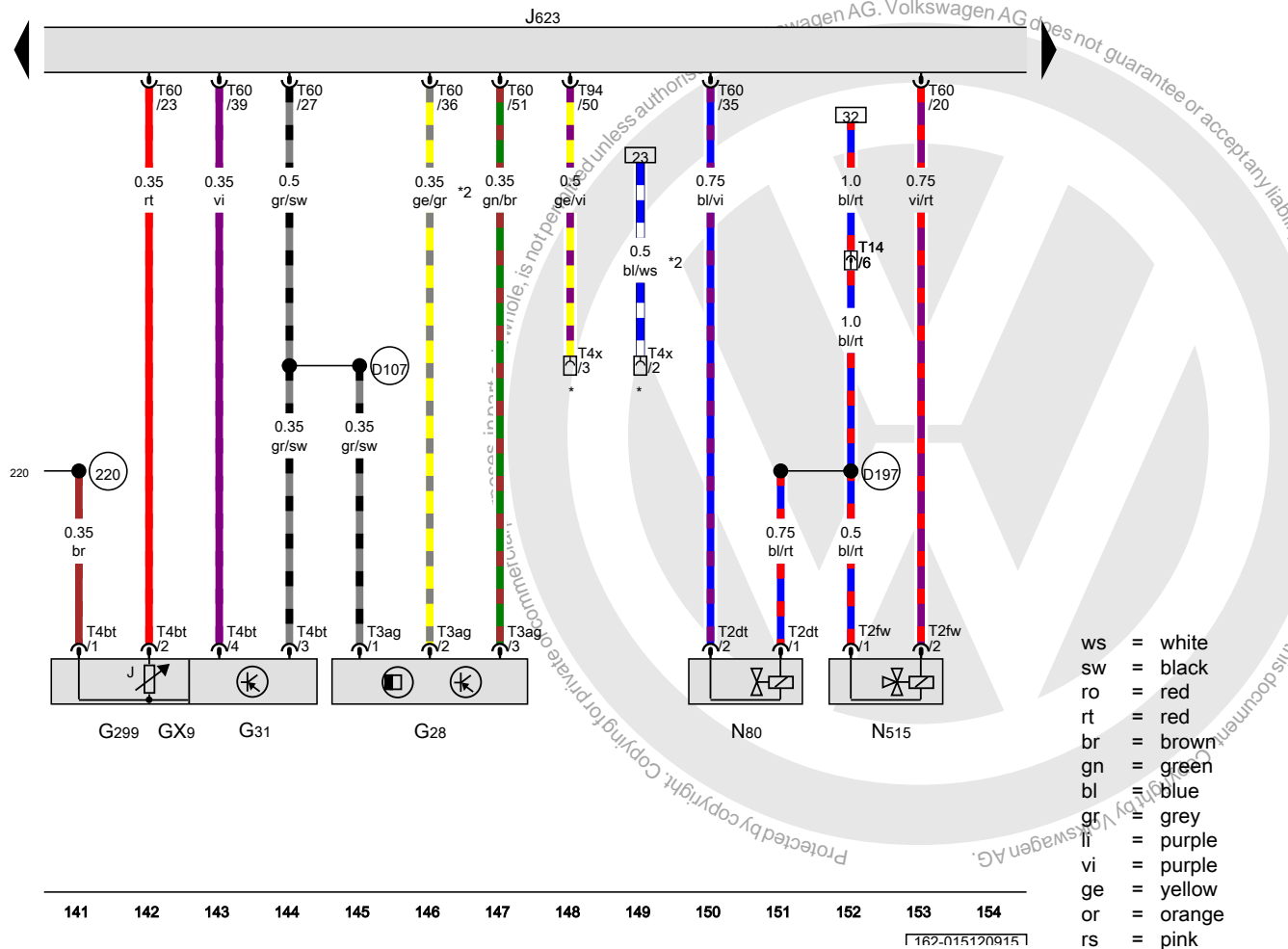


162-015110915

Intake manifold sender, Engine speed sender, Intake air temperature sender 2, Engine control unit, Activated charcoal filter solenoid valve 1, Coolant regulating valve

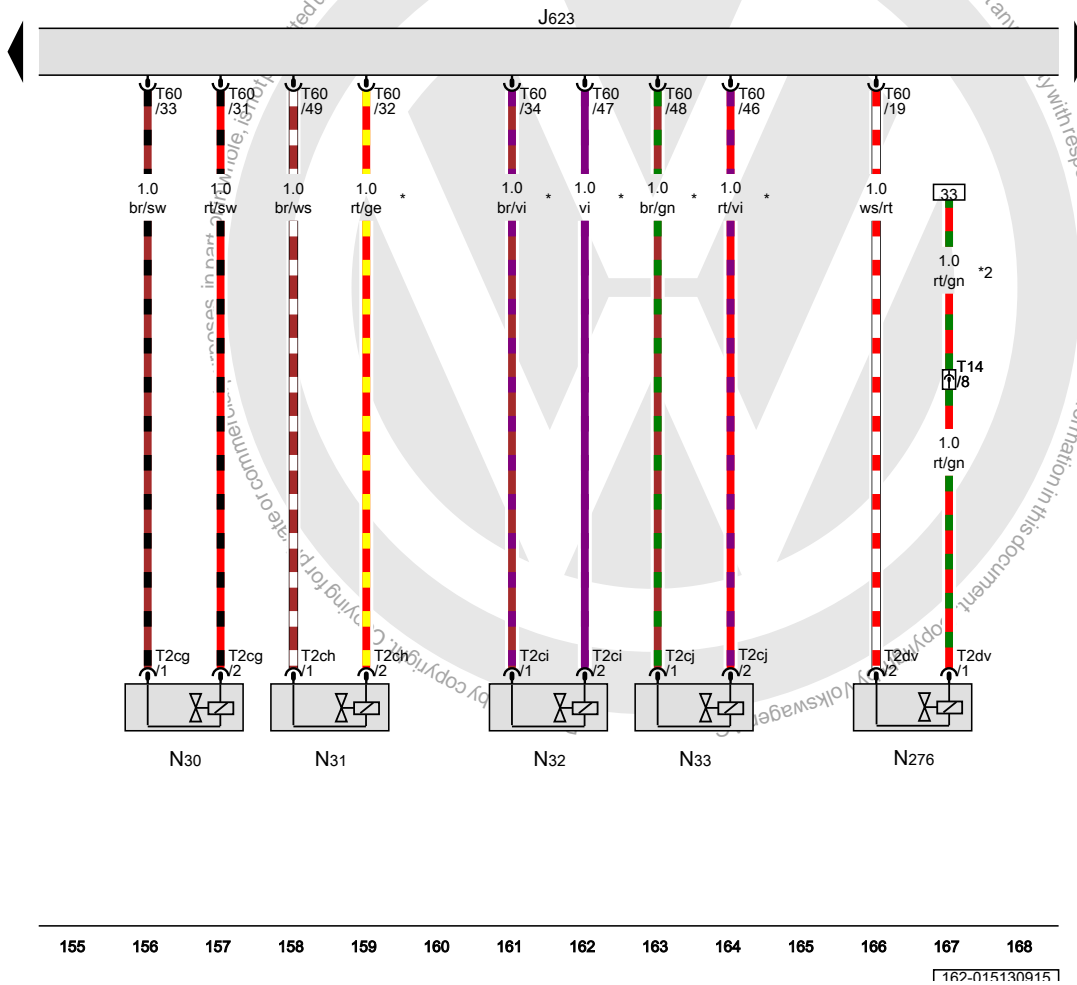
- GX9 Intake manifold sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G299 Intake air temperature sender 2
- J623 Engine control unit, central in plenum chamber
- N80 Activated charcoal filter solenoid valve 1
- N515 Coolant regulating valve
- T2dt 2-pin connector
- T2fw 2-pin connector
- T3ag 3-pin connector
- T4bt 4-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

- 220** Earth connection (sender earth), in engine wiring harness
- D107** Connection 5 in engine compartment wiring harness
- D197** Connection 5 (87a) in engine compartment wiring harness
- Radiator fan connection
- *2 Wiring colour depends on equipment



Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve

- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- * Wiring colour depends on equipment
- *2 Cross-section 1.5 possible



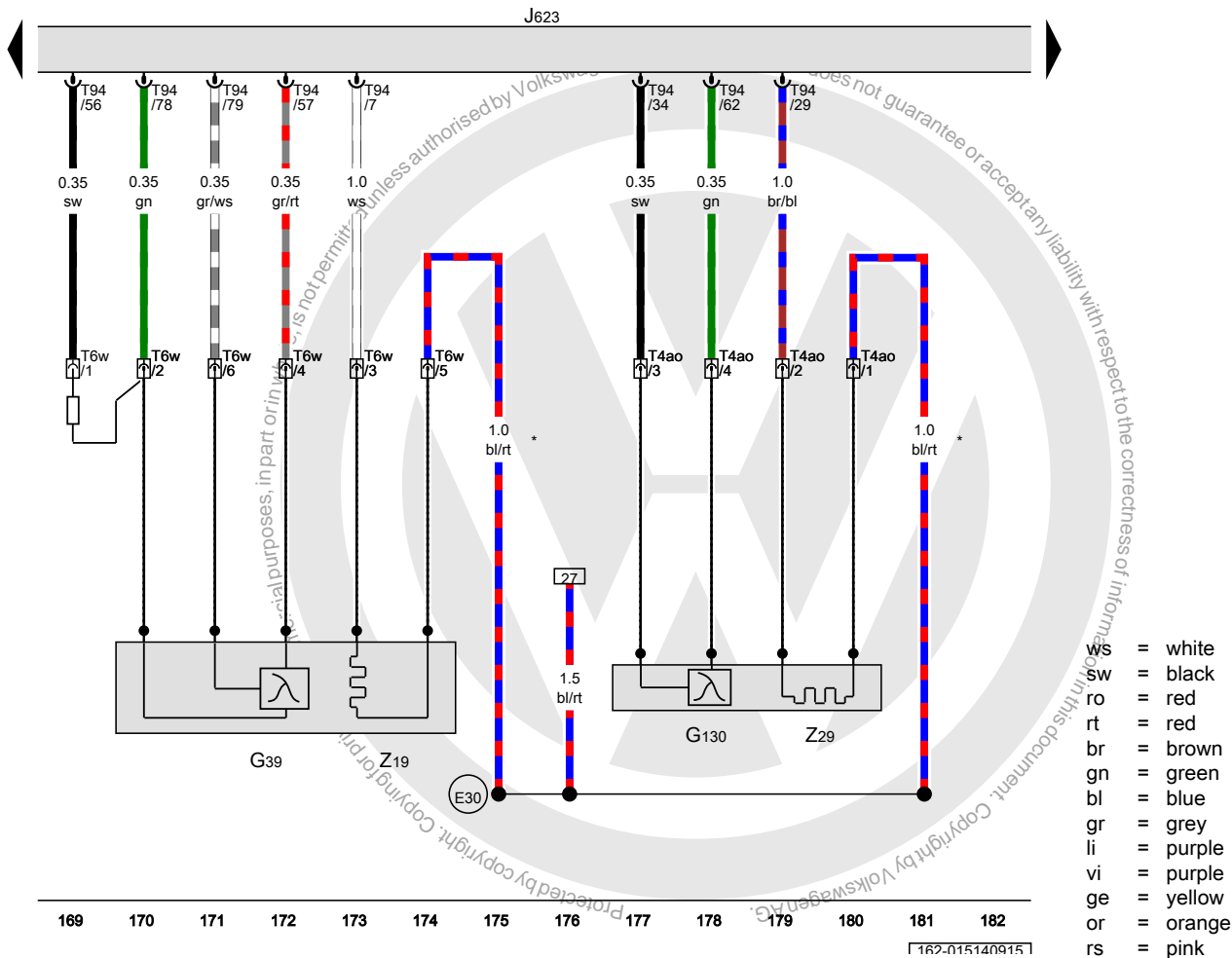
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe, Lambda probe after catalytic converter, Engine control unit

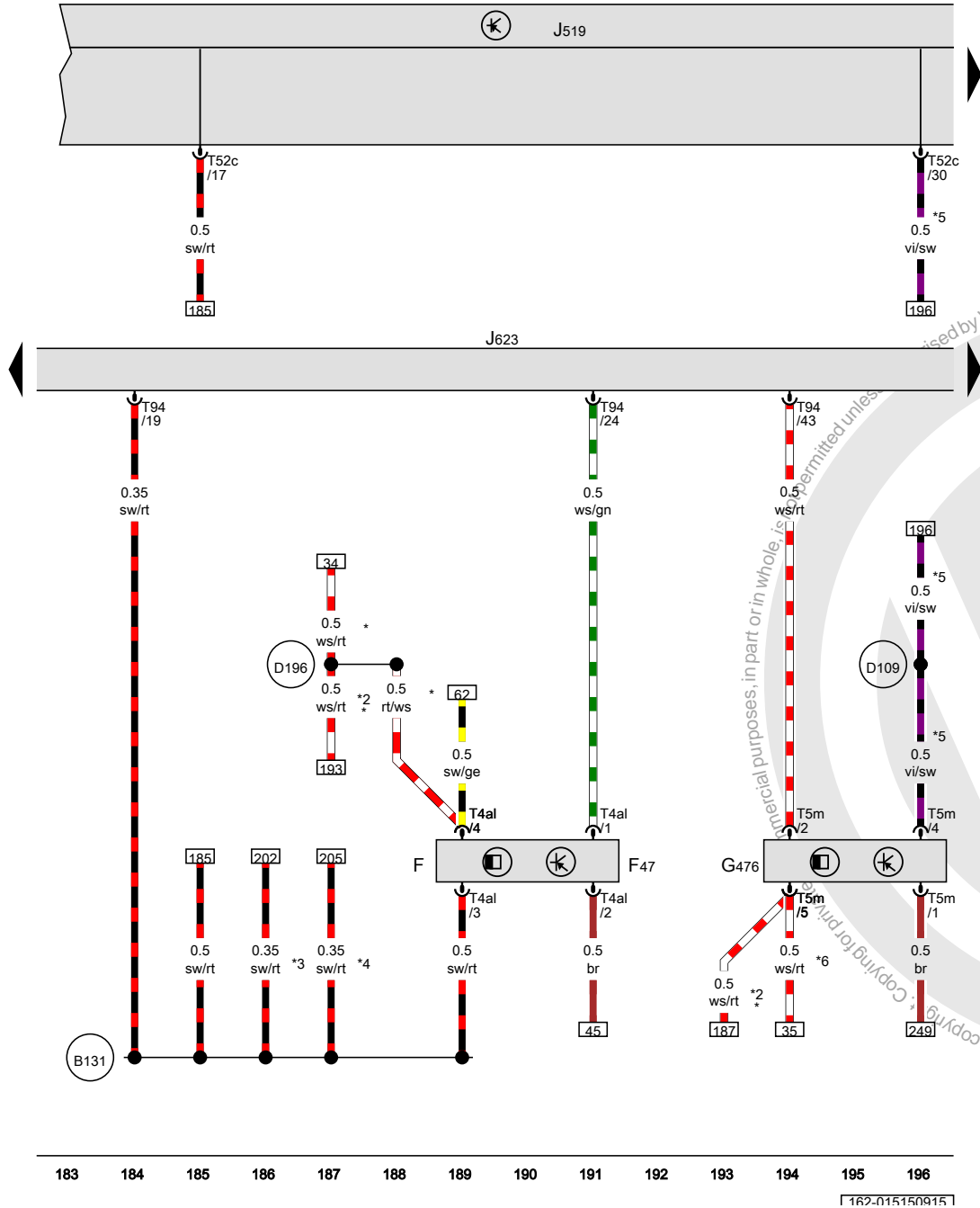
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit, central in plenum chamber
- T4ao 4-pin connector, near Lambda probe
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

* Wiring colour depends on equipment



Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit



- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector
- B131 Connection (54), in interior wiring harness
- D109 Connection 7, in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * gradual introduction
- *2 According to equipment
- *3 Only models with ABS and no ESP
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *5 Wiring colour depends on equipment
- *6 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Engine control unit

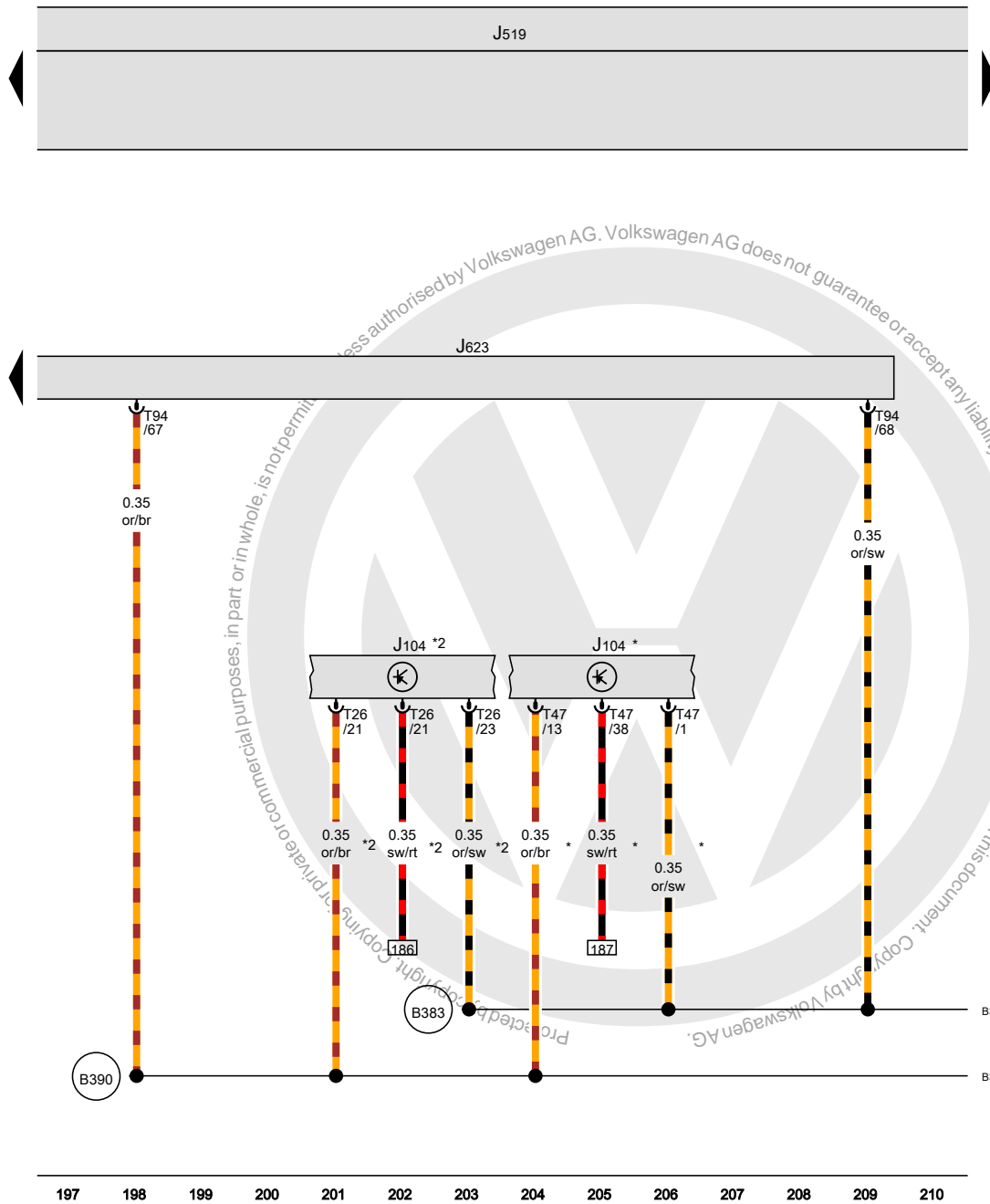
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

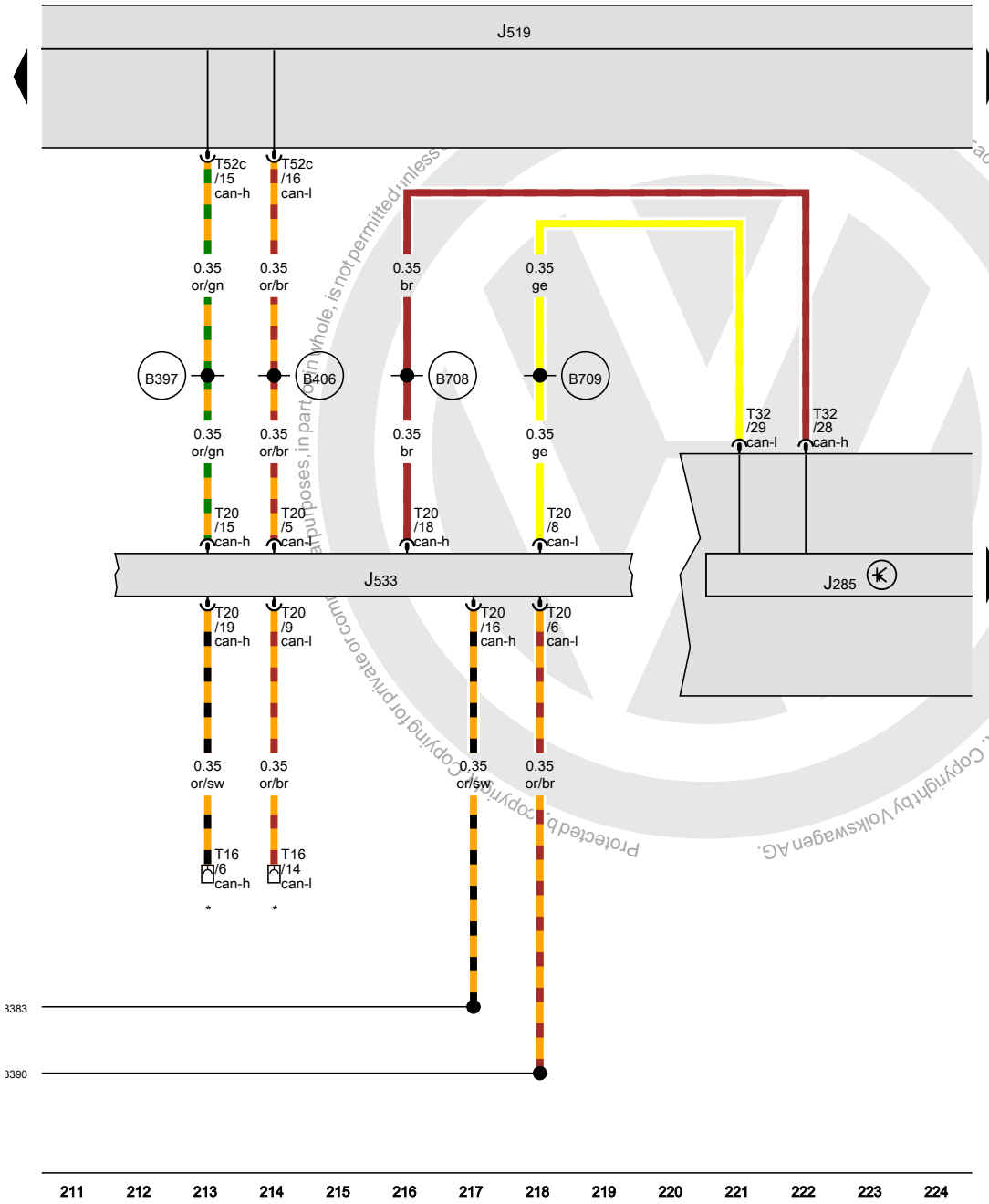
*2 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210

[162-015160915]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection

3383

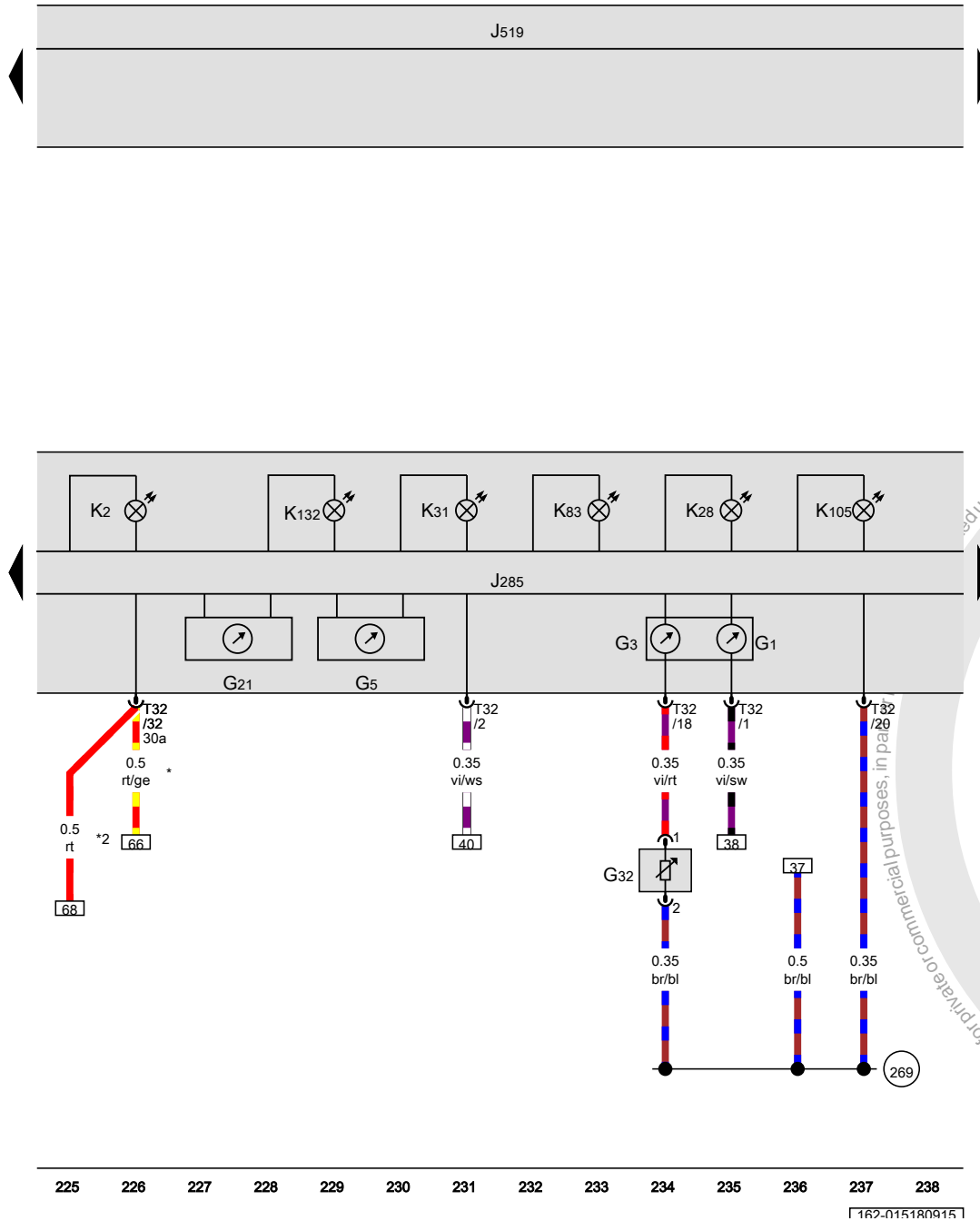
3390

211 212 213 214 215 216 217 218 219 220 221 222 223 224

162-015170915

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- * Gradually discontinued
- *2 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

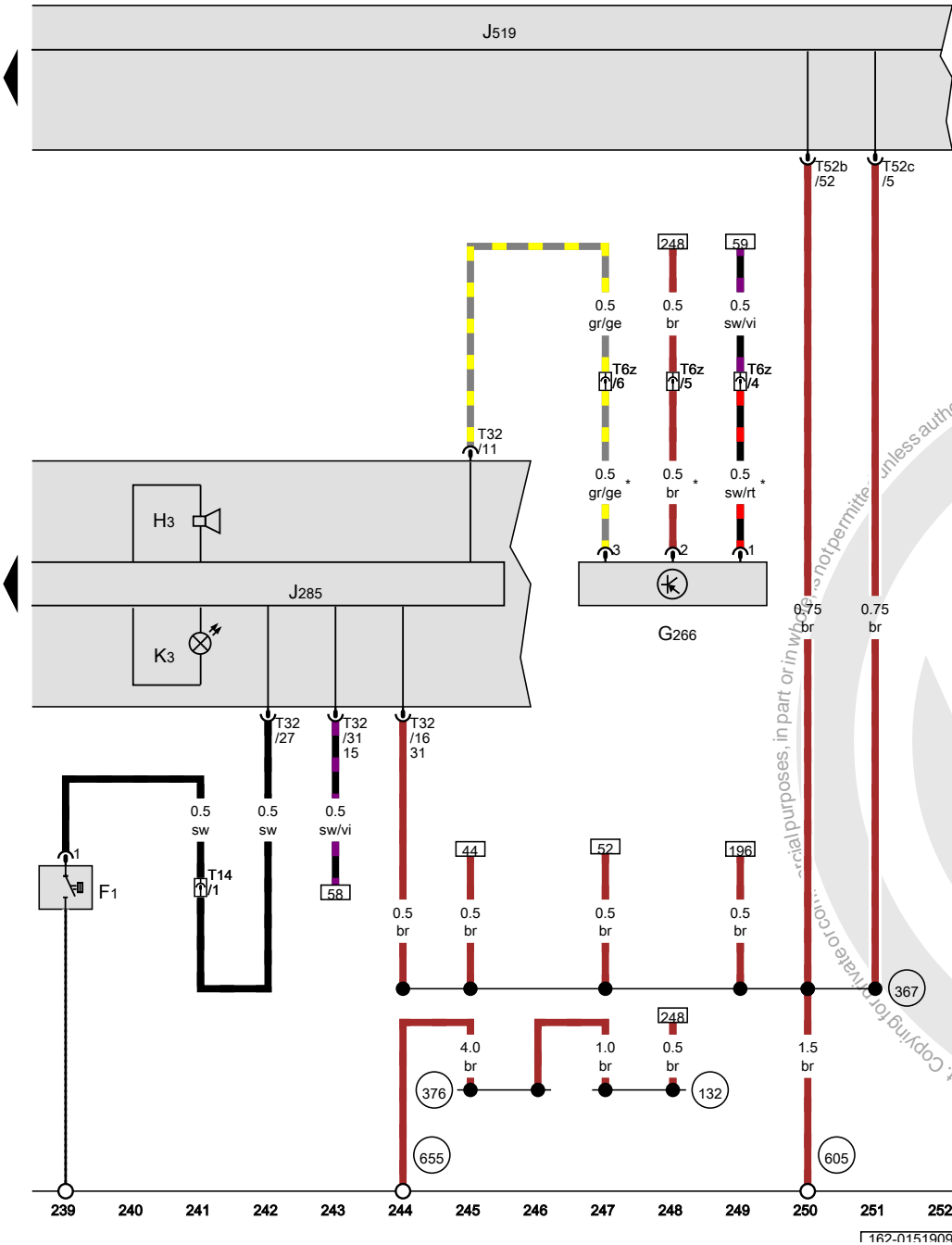
225 226 227 228 229 230 231 232 233 234 235 236 237 238

162-015180915

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- * Only models with flexible service interval display



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

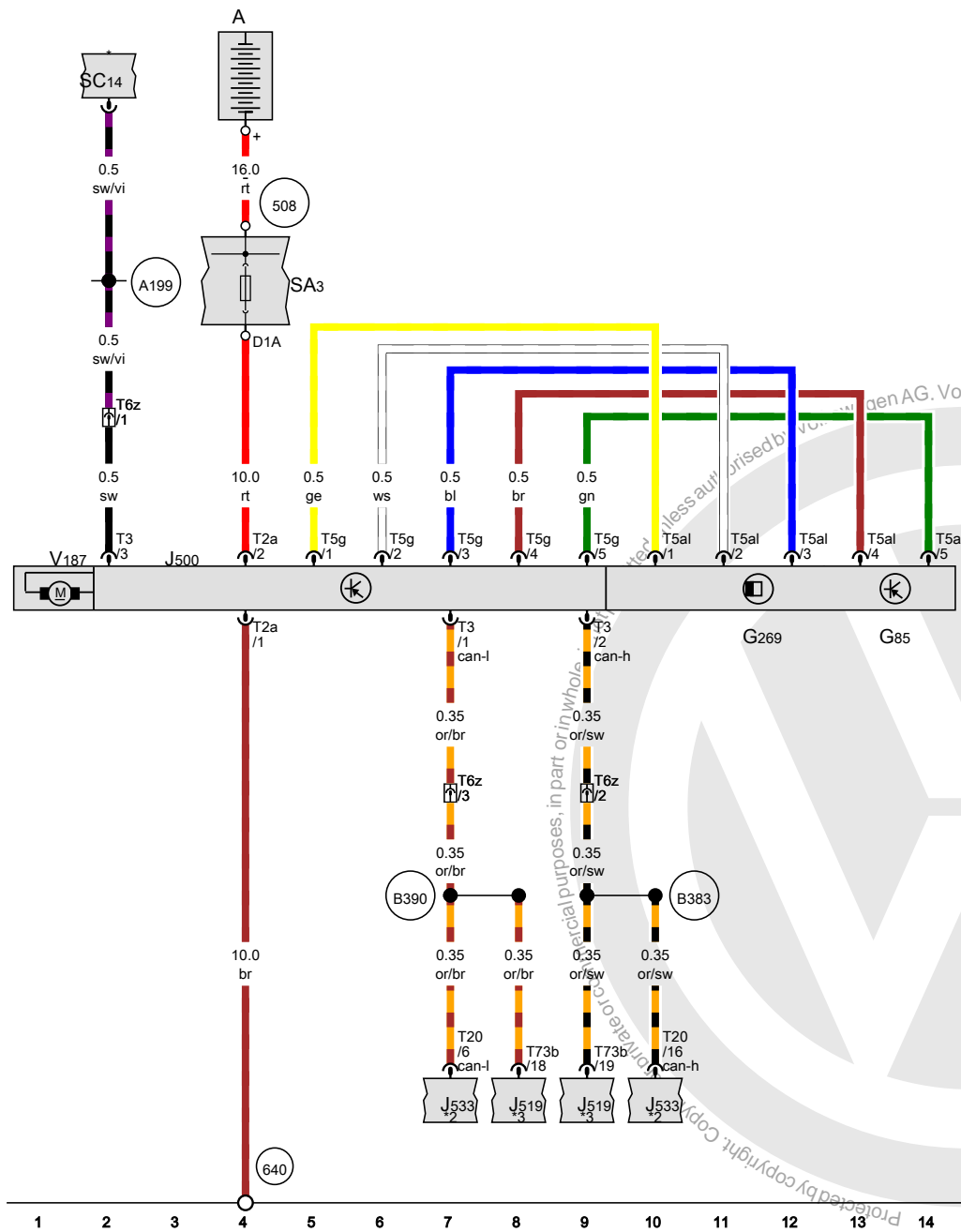
162-015190915

Electromechanical steering , (1N3)

From April 2010



Steering angle sender, Steering moment sender, Power steering control unit, Data bus diagnostic interface, Fuse 3 in fuse holder A, Fuse 14 on fuse holder C, Electromechanical power steering motor



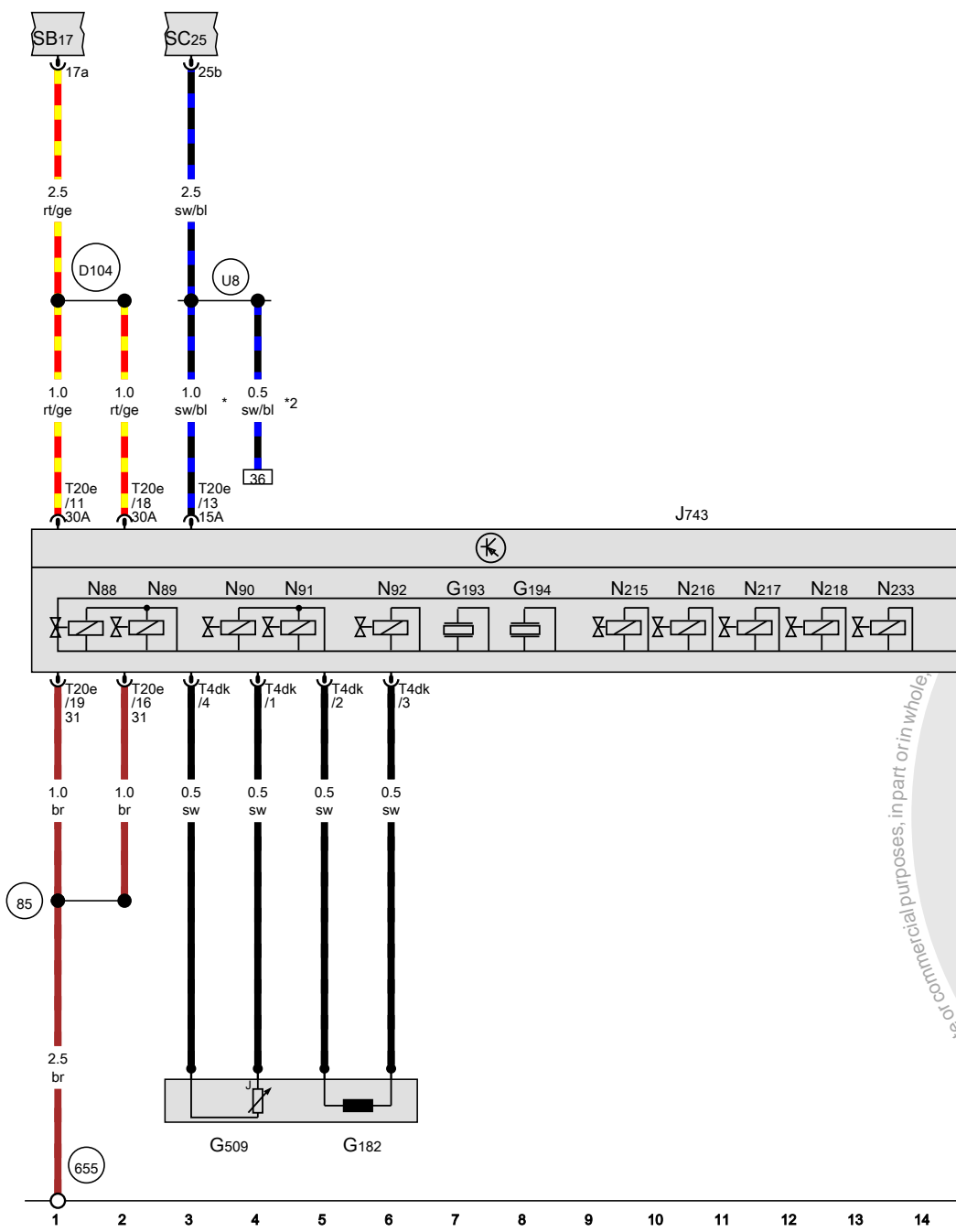
- A Battery
- G85 Steering angle sender
- G269 Steering moment sender
- J500 Power steering control unit, in rear left side panel
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface, on left under dash panel
- SA3 Fuse 3 in fuse holder A
- SC14 Fuse 14 on fuse holder C
- T2a 2-pin connector
- T3 3-pin connector
- T5al 5-pin connector
- T5g 5-pin connector
- T6z 6-pin connector, near left headlight
- T20 20-pin connector
- T73b 73-pin connector
- V187 Electromechanical power steering motor
- 508 Threaded connection (30) on E-box
- 640 Earth point 2, left in engine compartment
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * see applicable current flow diagram for basic equipment
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- op = orange
- rs = pink

Dual clutch gearbox 02E , (0ES)

From November 2010





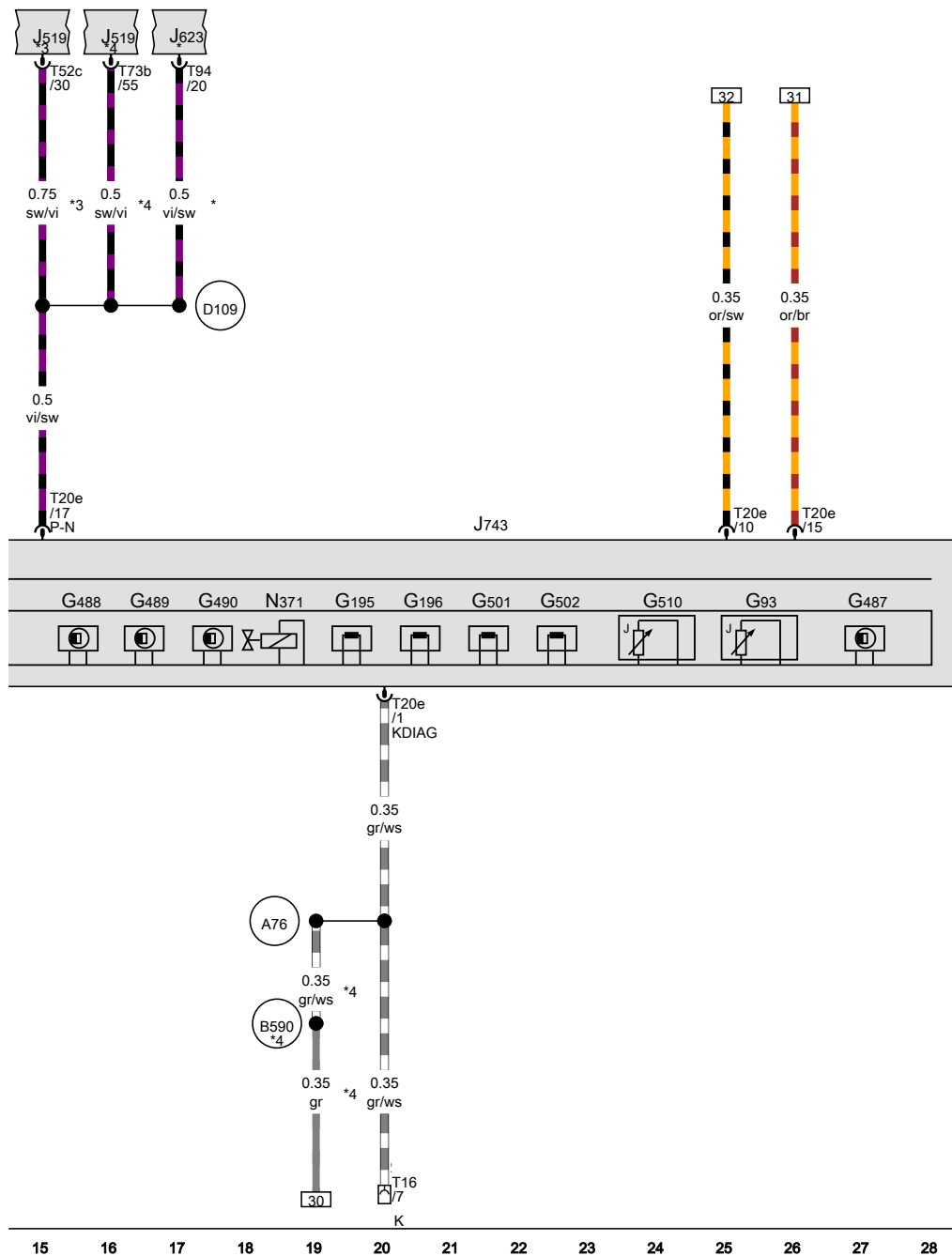
Gearbox input speed sender, Clutch temperature sender, Mechatronic unit for dual clutch gearbox

- G182 Gearbox input speed sender
- G193 Automatic gearbox hydraulic pressure sender 1
- G194 Automatic gearbox hydraulic pressure sender 2
- G509 Clutch temperature sender
- J743 Mechatronic unit for dual clutch gearbox
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N92 Solenoid valve 5
- N215 Automatic gearbox pressure regulating valve 1
- N216 Automatic gearbox pressure regulating valve 2
- N217 Automatic gearbox pressure regulating valve 3
- N218 Automatic gearbox pressure regulating valve 4
- N233 Automatic gearbox pressure regulating valve 5
- SB17 Fuse 17 on fuse holder B
- SC25 Fuse 25 on fuse holder C
- T4dk 4-pin connector
- T20e 20-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 655 Earth point, on left headlight
- D104 Positive connection 2 (30a), in engine compartment wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness
- * Cross section depends on equipment
- *2 Up to May 2012

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-018020415



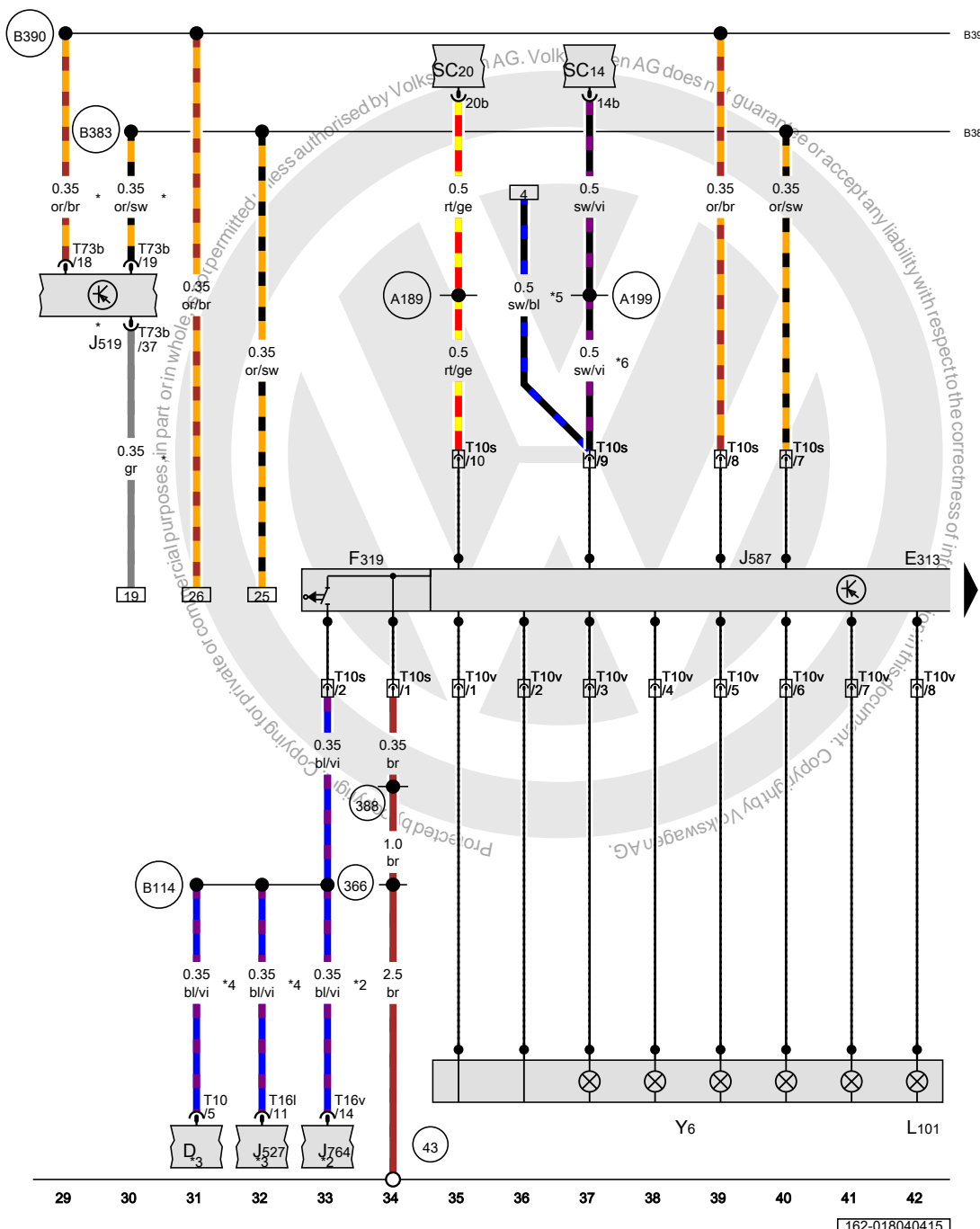
Mechatronic unit for dual clutch gearbox

- G93 Gearbox oil temperature sender
- G195 Gearbox output speed sender
- G196 Gearbox output speed sender 2
- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G501 Input shaft speed sender 1
- G502 Input shaft speed sender 2
- G510 Temperature sender in control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- N371 Automatic gearbox pressure regulating valve 6
- T16 16-pin connector
- T20e 20-pin connector
- T52c 52-pin connector
- T73b 73-pin connector
- T94 94-pin connector

- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B590 K-diagnosis wire connection, in interior wiring harness
- D109 Connection 7 in engine compartment wiring harness

- * see applicable current flow diagram for engine
- *2 Diagnostic connection
- *3 Only models with "High" equipment (AW1)
- *4 Only models with "Low" equipment (AW0)

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- sw = black
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- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

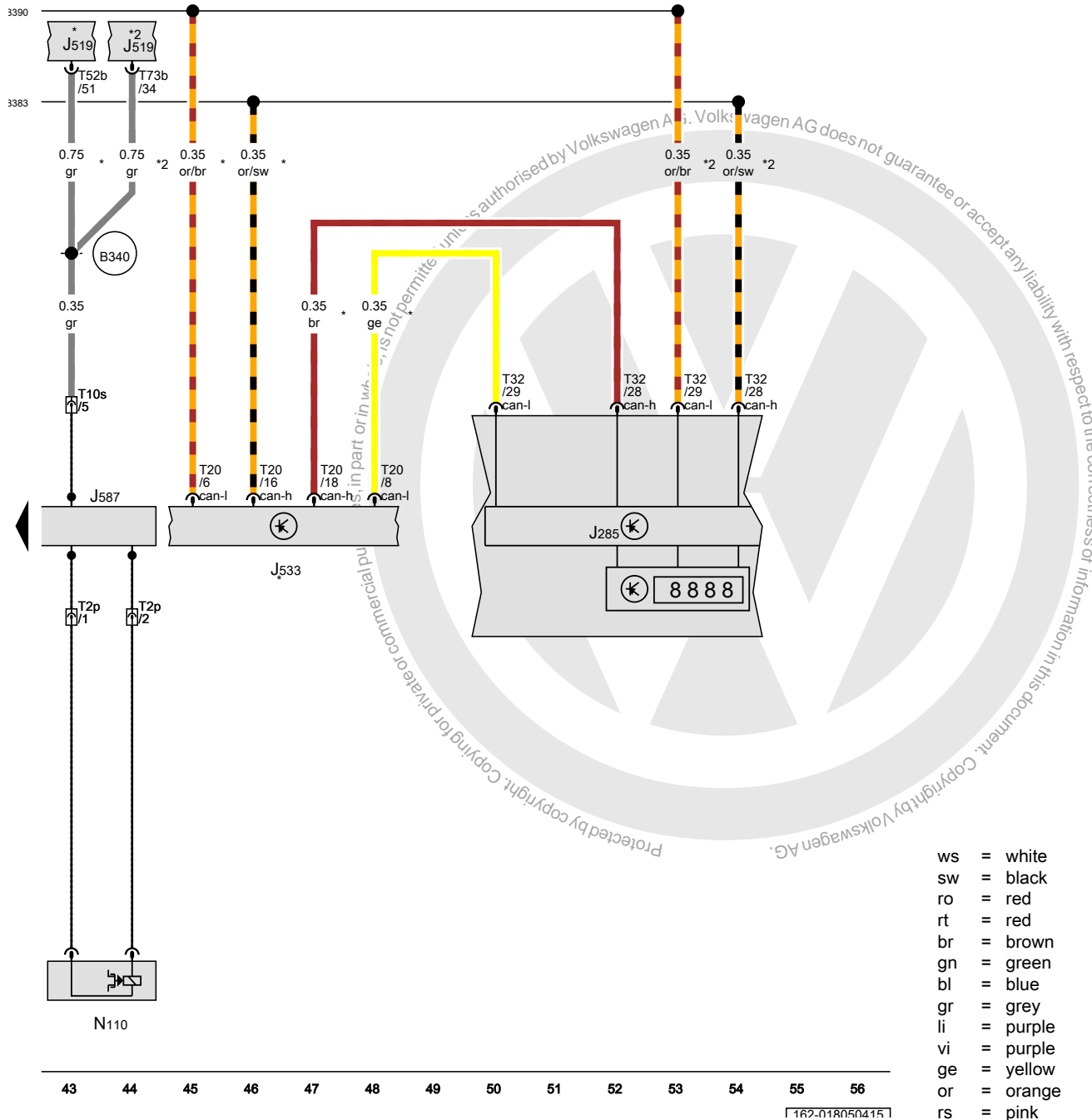


Selector lever sensors control unit, Selector lever display illumination bulb, Selector lever position display

- D Ignition/starter switch
 - E313 Selector lever
 - F319 Selector lever locked in position P switch
 - J519 Onboard supply control unit
 - J527 Steering column electronics control unit
 - J587 Selector lever sensors control unit
 - J764 Control unit for electronic steering column lock
 - L101 Selector lever display illumination bulb
 - SC14 Fuse 14 on fuse holder C
 - SC20 Fuse 20 on fuse holder C
 - T10 10-pin connector
 - T10s 10-pin connector
 - T10v 10-pin connector
 - T16l 16-pin connector
 - T16v 16-pin connector
 - T73b 73-pin connector
 - Y6 Selector lever position display
- 43 Earth point, lower part of right A-pillar
 - 366 Earth connection 1, in main wiring harness
 - 388 Earth connection 23, in main wiring harness
 - A189 Positive connection 5 (30a) in dash panel wiring harness
 - A199 Positive connection 4 (15a) in dash panel wiring harness
 - B114 Connection (inhibitor switch), in interior wiring harness
 - B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
 - B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Only models with "Low" equipment (AW0)
- *2 Only models with entry and start authorisation
- *3 According to equipment
- *4 Only models with no entry and start authorisation
- *5 Up to May 2012
- *6 From June 2012



Control unit in dash panel insert, Data bus diagnostic interface, Selector lever sensors control unit, Selector lever lock solenoid

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J587 Selector lever sensors control unit
- N110 Selector lever lock solenoid
- T2p 2-pin connector
- T10s 10-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T73b 73-pin connector

- B340 Connection 1 (58d), in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

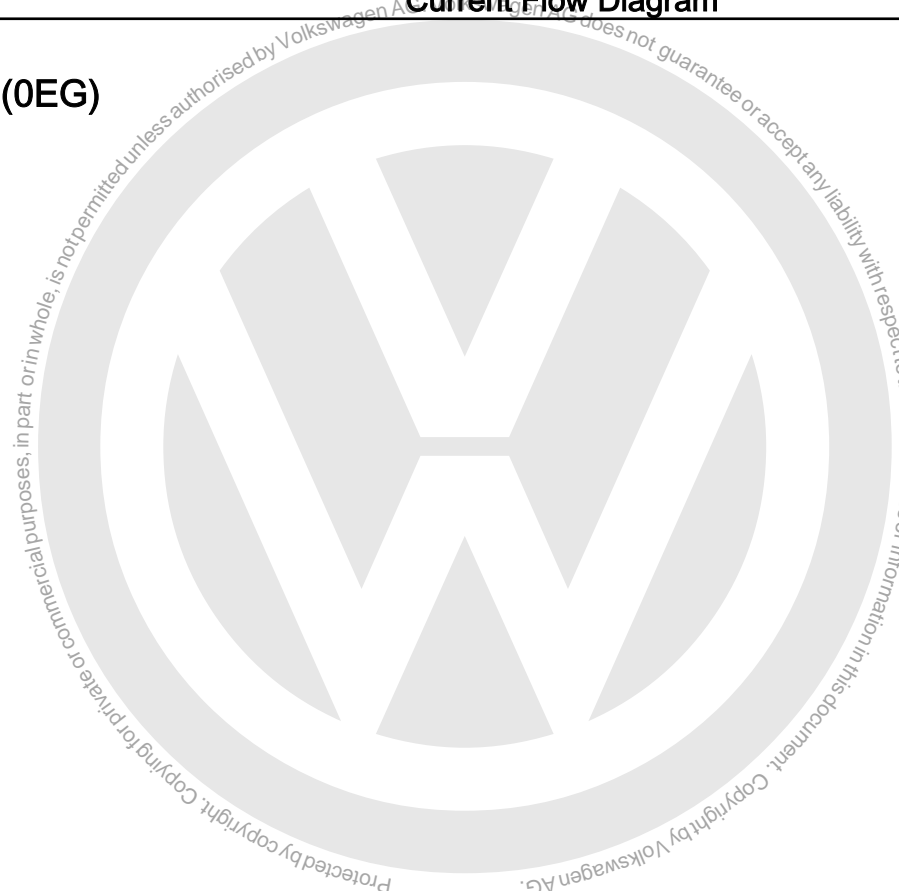
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

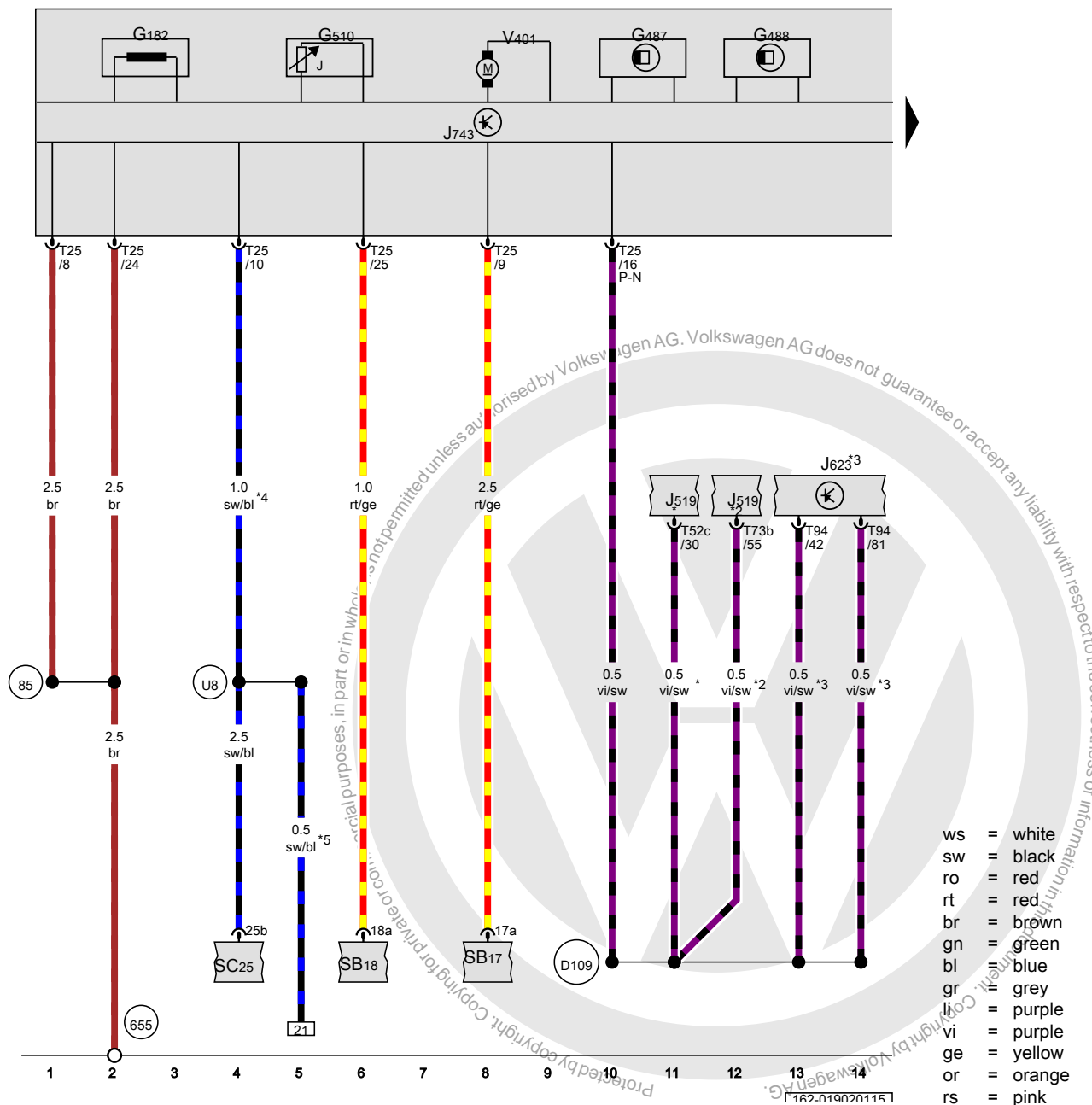
162-018050415

Dual clutch gearbox 0AM , (0EG)

From November 2010



Engine control unit, Mechatronic unit for dual clutch gearbox



- G182 Gearbox input speed sender
- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- G510 Temperature sender in control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SC25 Fuse 25 on fuse holder C
- T25 25-pin connector
- T52c 52-pin connector
- T73b 73-pin connector
- T94 94-pin connector
- V401 Hydraulic pump motor

- 85 Earth connection 1, in engine compartment wiring harness
- 655 Earth point, on left headlight
- D109 Connection 7 in engine compartment wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)
- *3 see applicable current flow diagram for engine
- *4 Cross section depends on equipment
- *5 Up to May 2012

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- lj = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

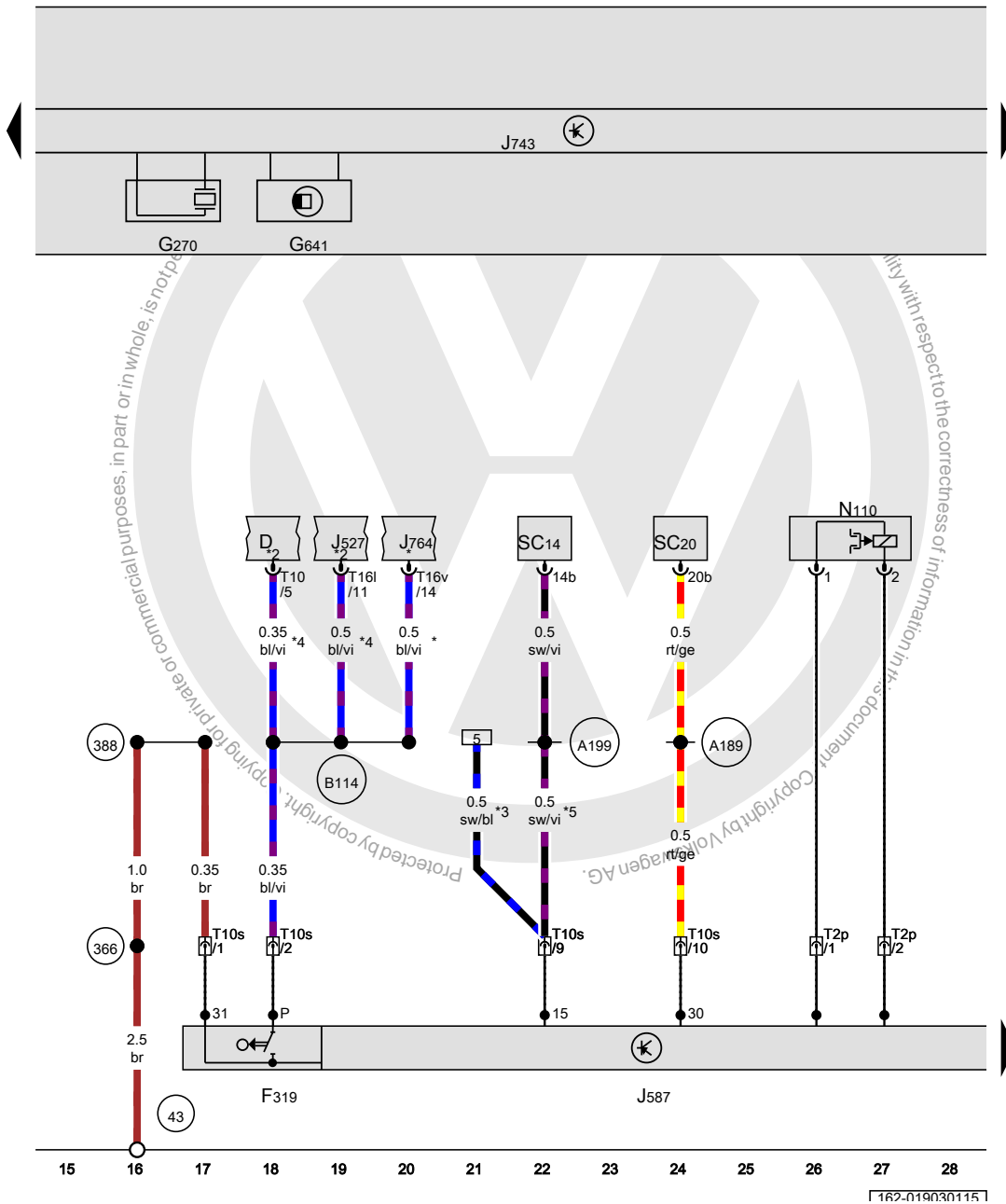
Selector lever sensors control unit, Mechatronic unit for dual clutch gearbox

- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- G270 Gearbox hydraulic pressure sender
- G641 Gearbox input speed sender 3
- J527 Steering column electronics control unit
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- J764 Control unit for electronic steering column lock
- N110 Selector lever lock solenoid
- SC14 Fuse 14 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T2p 2-pin connector
- T10 10-pin connector
- T10s 10-pin connector, under selector lever
- T16l 16-pin connector
- T16v 16-pin connector

- 43 Earth point, lower part of right A-pillar
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness

- * Only models with entry and start authorisation
- *2 According to equipment
- *3 Up to May 2012
- *4 Only models with no entry and start authorisation
- *5 From June 2012

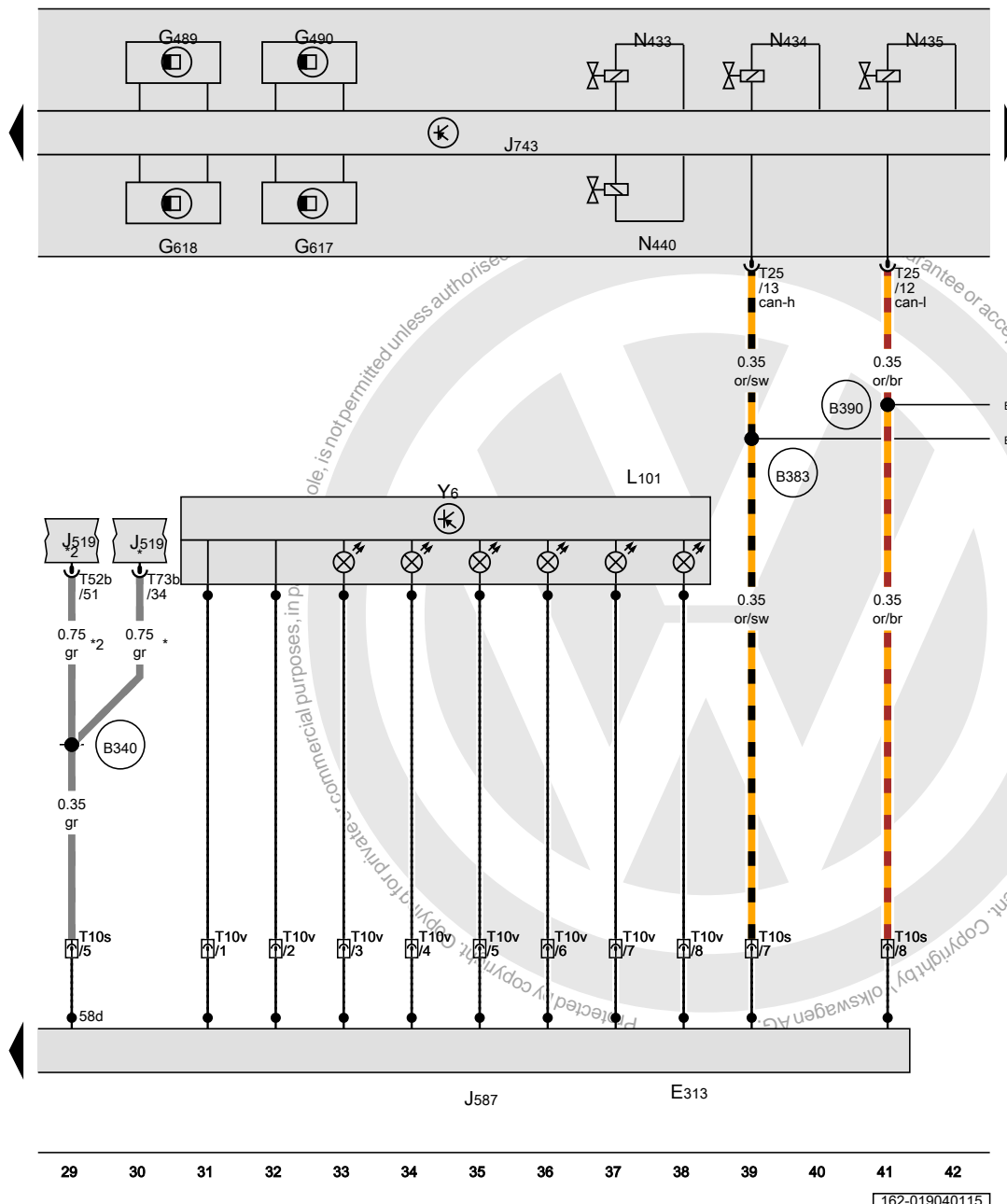
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-019030115

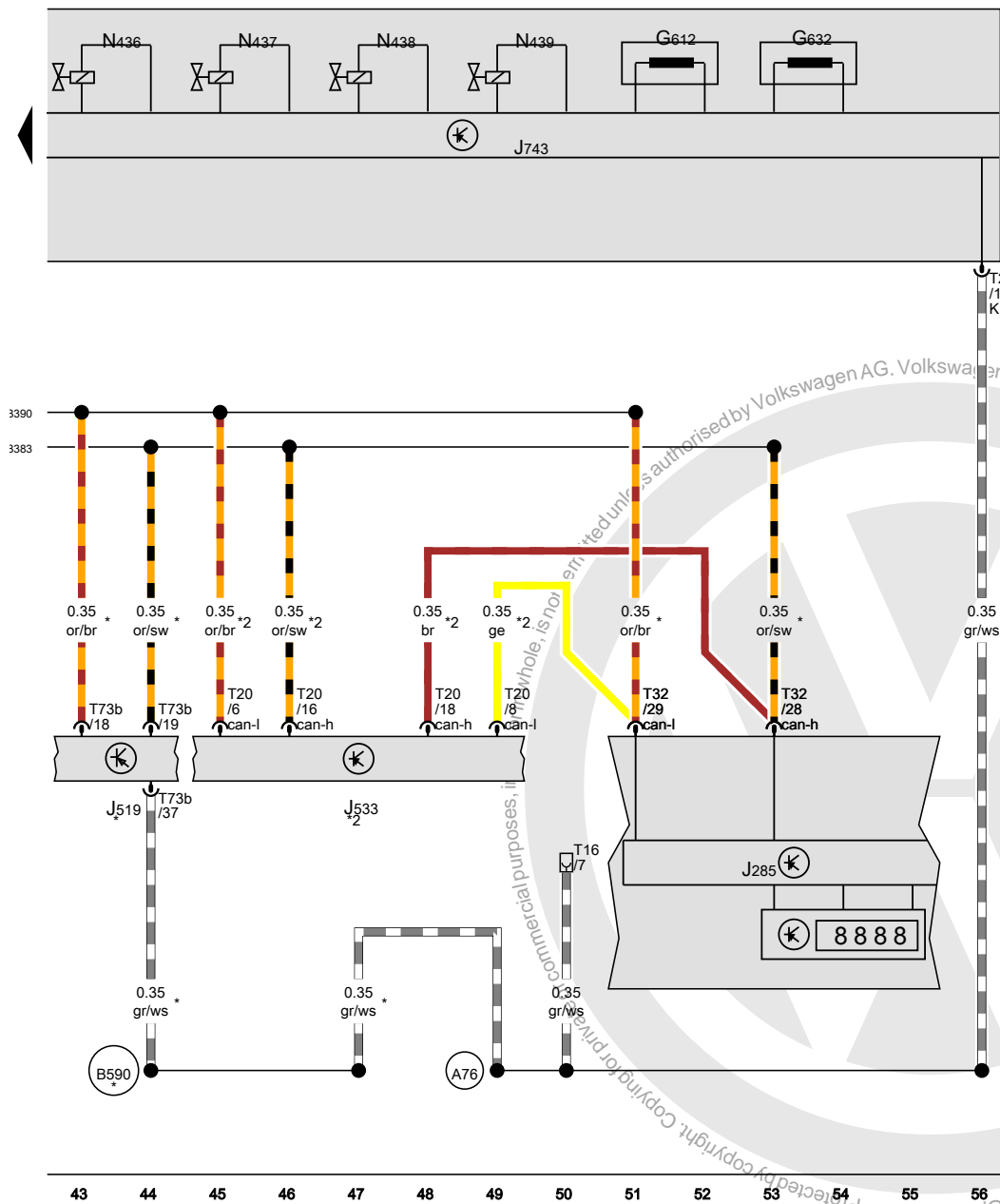
Selector lever sensors control unit, Mechatronic unit for dual clutch gearbox, Selector lever display illumination bulb, Selector lever position display

- E313 Selector lever
 - G489 Gear selector movement sensor 3
 - G490 Gear selector movement sensor 4
 - G617 Clutch travel sender 1
 - G618 Clutch travel sender 2
 - J519 Onboard supply control unit
 - J587 Selector lever sensors control unit
 - J743 Mechatronic unit for dual clutch gearbox
 - L101 Selector lever display illumination bulb
 - N433 Valve 1 in sub-gearbox 1
 - N434 Valve 2 in sub-gearbox 1
 - N435 Valve 3 in sub-gearbox 1
 - N440 Valve 4 in sub-gearbox 2
 - T10s 10-pin connector, under selector lever
 - T10v 10-pin connector
 - T25 25-pin connector
 - T52b 52-pin connector
 - T73b 73-pin connector
 - Y6 Selector lever position display
- (B340) Connection 1 (58d), in main wiring harness
 - (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
 - (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only models with "Low" equipment (AW0)
 - *2 Only models with "High" equipment (AW1)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit in dash panel insert, Data bus diagnostic interface, Mechatronic unit for dual clutch gearbox



- G612 Gearbox input speed sender 2
- G632 Gearbox input speed sender 1
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J743 Mechatronic unit for dual clutch gearbox
- N436 Valve 4 in sub-gearbox 1
- N437 Valve 1 in sub-gearbox 2
- N438 Valve 2 in sub-gearbox 2
- N439 Valve 3 in sub-gearbox 2
- T16 16-pin connector, on diagnostic connection
- T20 20-pin connector
- T25 25-pin connector
- T32 32-pin connector
- T73b 73-pin connector

- (A76) Connection (K-diagnosis wire), in dash panel wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B590) K-diagnosis wire connection, in interior wiring harness

* Only models with "Low" equipment (AW0)
 *2 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-019050115

Air conditioning system , (KH6),(9AP)

From April 2010

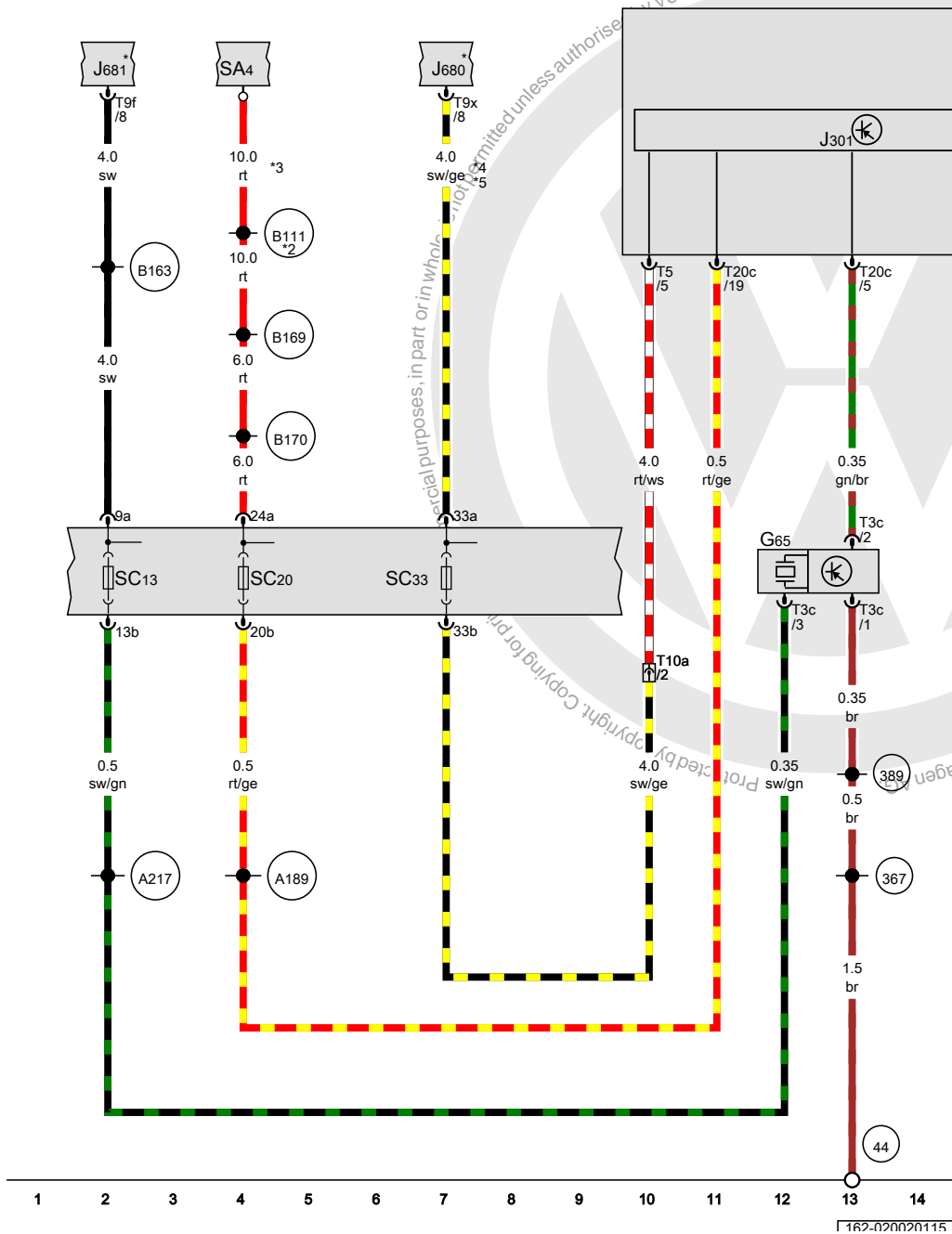


High-pressure sender, Air conditioning system control unit

- G65 High-pressure sender
- J301 Air conditioning system control unit
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- SA4 Fuse 4 in fuse holder A
- SC13 Fuse 13 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T3c 3-pin connector
- T5 5-pin connector
- T9f 9-pin connector
- T9x 9-pin connector
- T10a 10-pin connector, on heater unit
- T20c 20-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

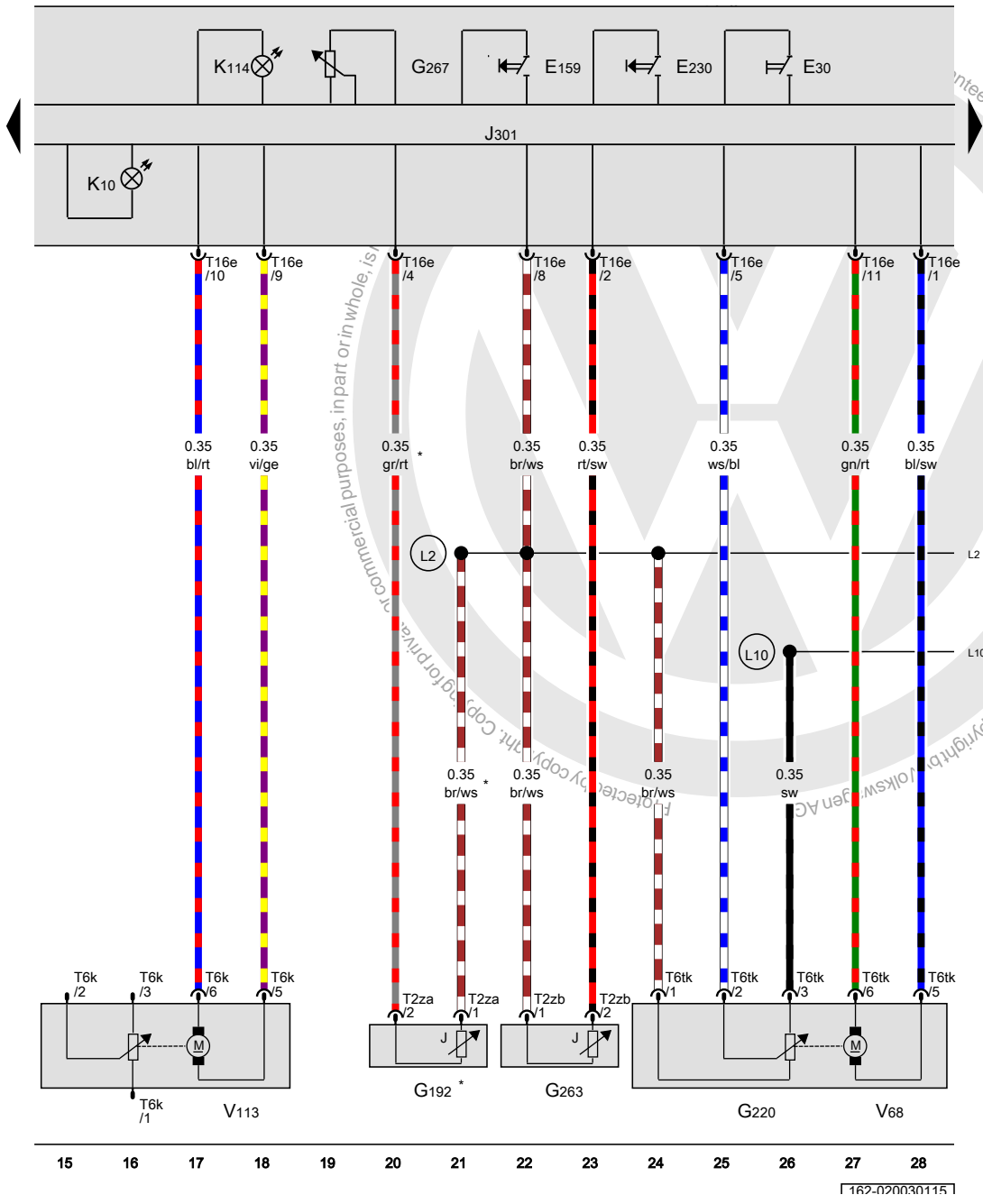
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-020020115

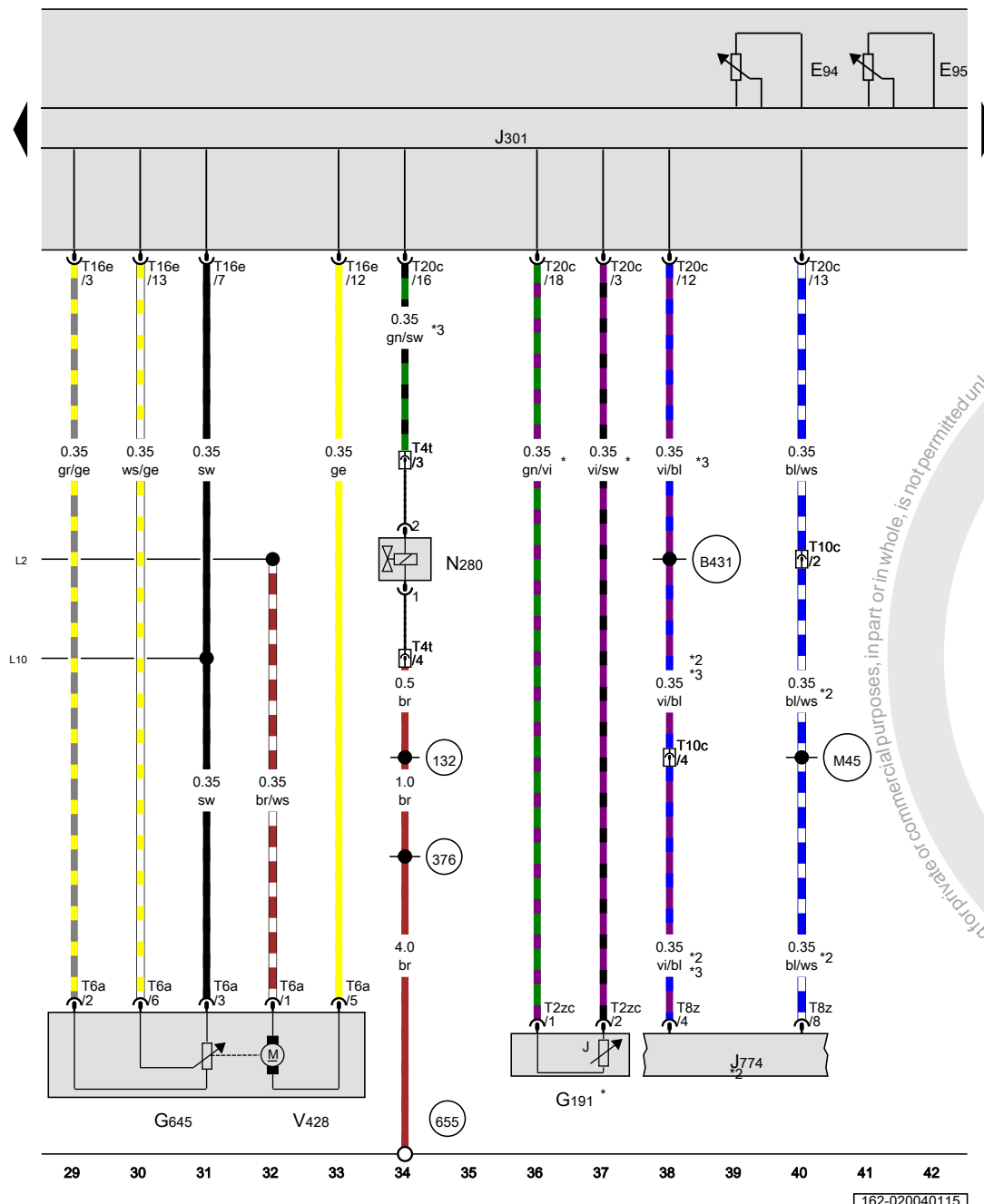
Footwell vent temperature sender, Potentiometer for left temperature flap control motor, Evaporator output temperature sender, Air conditioning system control unit, Temperature flap control motor

- E30 Air conditioning system switch
 - E159 Fresh air and air recirculation flap switch
 - E230 Heated rear window button
 - G192 Footwell vent temperature sender
 - G220 Potentiometer for left temperature flap control motor
 - G263 Evaporator output temperature sender
 - G267 Potentiometer for temperature selection rotary knob
 - J301 Air conditioning system control unit
 - K10 Heated rear window warning lamp
 - K114 Fresh air and air recirculation warning lamp
 - T2za 2-pin connector
 - T2zb 2-pin connector
 - T6k 6-pin connector
 - T6tk 6-pin connector
 - T16e 16-pin connector
 - V68 Temperature flap control motor
 - V113 Air recirculation flap control motor
- (L2) Connection in air conditioning system wiring harness
 - (L10) Connection 2, in air conditioning system wiring harness
 - * Only models with Climatic



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-020030115



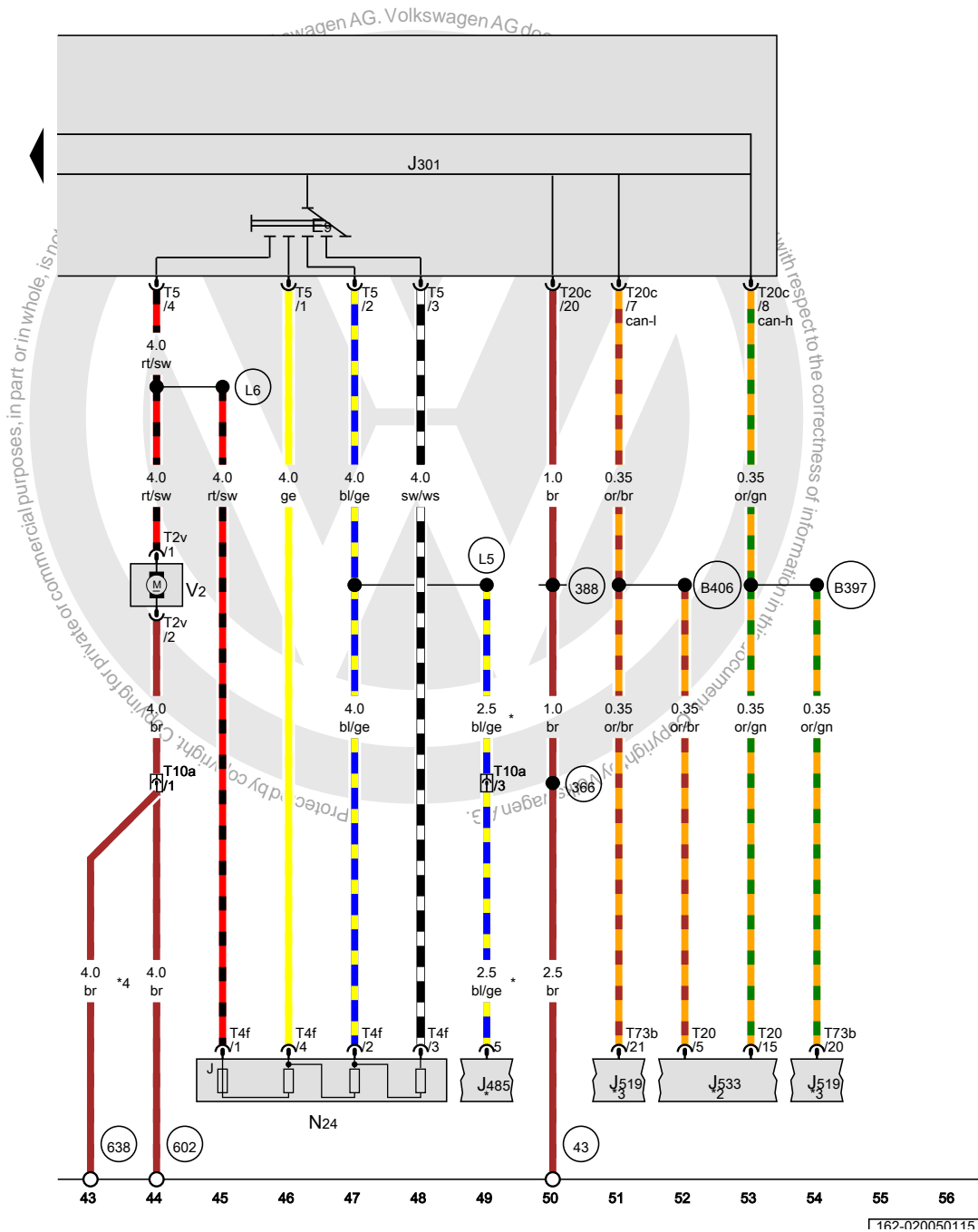
Centre vent temperature sender, Potentiometer for air distribution flap control motor, Air conditioning system control unit, Air conditioner compressor regulating valve, Air distribution flap control motor

- E94 Heated driver seat regulator
- E95 Heated front passenger seat regulator
- G191 Centre vent temperature sender
- G645 Potentiometer for air distribution flap control motor
- J301 Air conditioning system control unit
- J774 Heated front seats control unit
- N280 Air conditioner compressor regulating valve
- T2zc 2-pin connector
- T4t 4-pin connector, near starter
- T6a 6-pin connector
- T8z 8-pin connector
- T10c 10-pin connector, on heater unit
- T16e 16-pin connector
- T20c 20-pin connector
- V428 Air distribution flap control motor

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B431 Connection (seat heating), in main wiring harness
- L2 Connection in air conditioning system wiring harness
- L10 Connection 2, in air conditioning system wiring harness
- M45 Connection 5, in driver seat wiring harness

- ws = white
 - sw = black
 - ro = red
 - rt = red
 - br = brown
 - gn = green
 - bl = blue
 - gr = grey
 - li = purple
 - vi = purple
 - ge = yellow
 - or = orange
 - rs = pink
- * Only models with Climatic
 - *2 Only models with seat heating
 - *3 Wiring colour depends on equipment

162-020040115



Fresh air blower switch, Air conditioning system control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower

- E9 Fresh air blower switch
- J301 Air conditioning system control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- N24 Fresh air blower series resistor with overheating fuse
- T2v 2-pin connector
- T4f 4-pin connector
- T5 5-pin connector
- T10a 10-pin connector, on heater unit
- T20 20-pin connector
- T20c 20-pin connector
- T73b 73-pin connector
- V2 Fresh air blower

- (43) Earth point, lower part of right A-pillar
- (366) Earth connection 1, in main wiring harness
- (388) Earth connection 23, in main wiring harness
- (602) Earth point, in front left footwell
- (638) Earth point, on right A-pillar
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (L5) Connection 1, in evaporator housing unit wiring harness
- (L6) Connection 2, in evaporator housing unit wiring harness

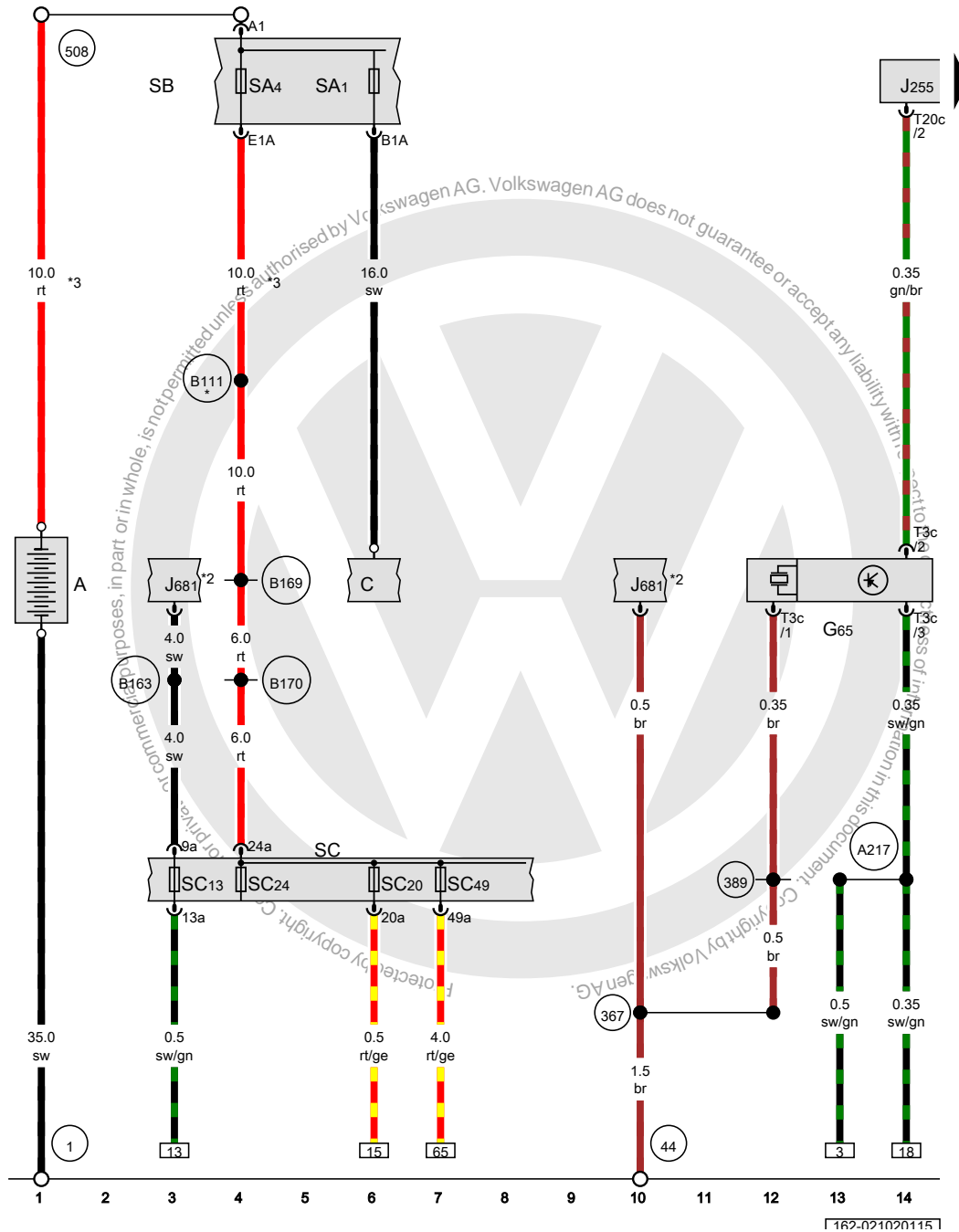
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Only models with auxiliary coolant heater
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)
- *4 Only right-hand drive models

162-020050115

Climatronic , (9AK)
From October 2010





Battery, High-pressure sender, Climatronic control unit

- A Battery
- C Alternator
- G65 High-pressure sender
- J255 Climatronic control unit
- J681 Terminal 15 voltage supply relay 2
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T3c 3-pin connector
- T20c 20-pin connector

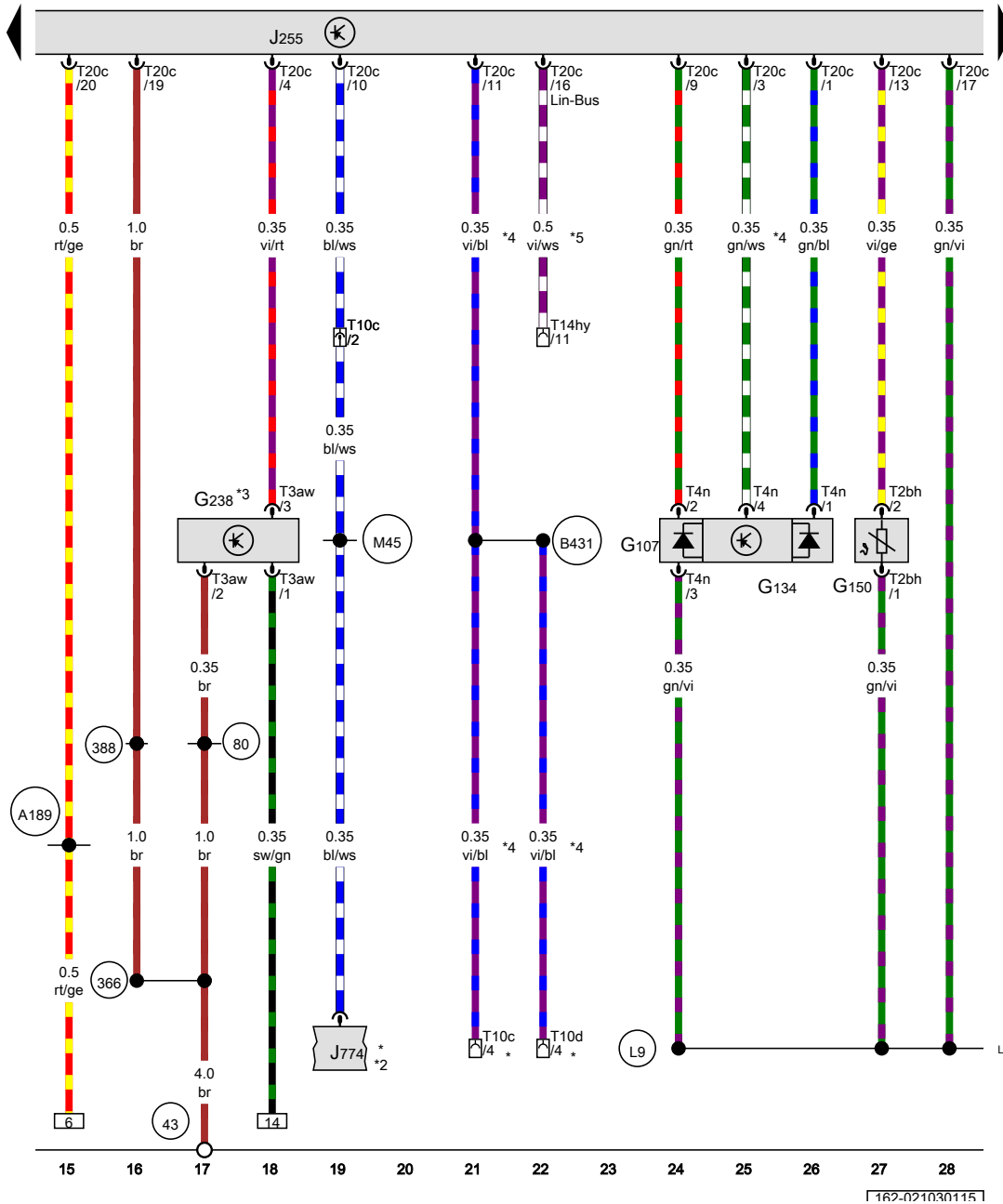
- 1 Earth strap, battery - body
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 508 Threaded connection (30) on E-box
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Gradually discontinued
- *2 see applicable current flow diagram for basic equipment
- *3 Cross-section 16.0 possible

162-021020115

Sunlight penetration photosensor, Left vent temperature sender, Climatronic control unit



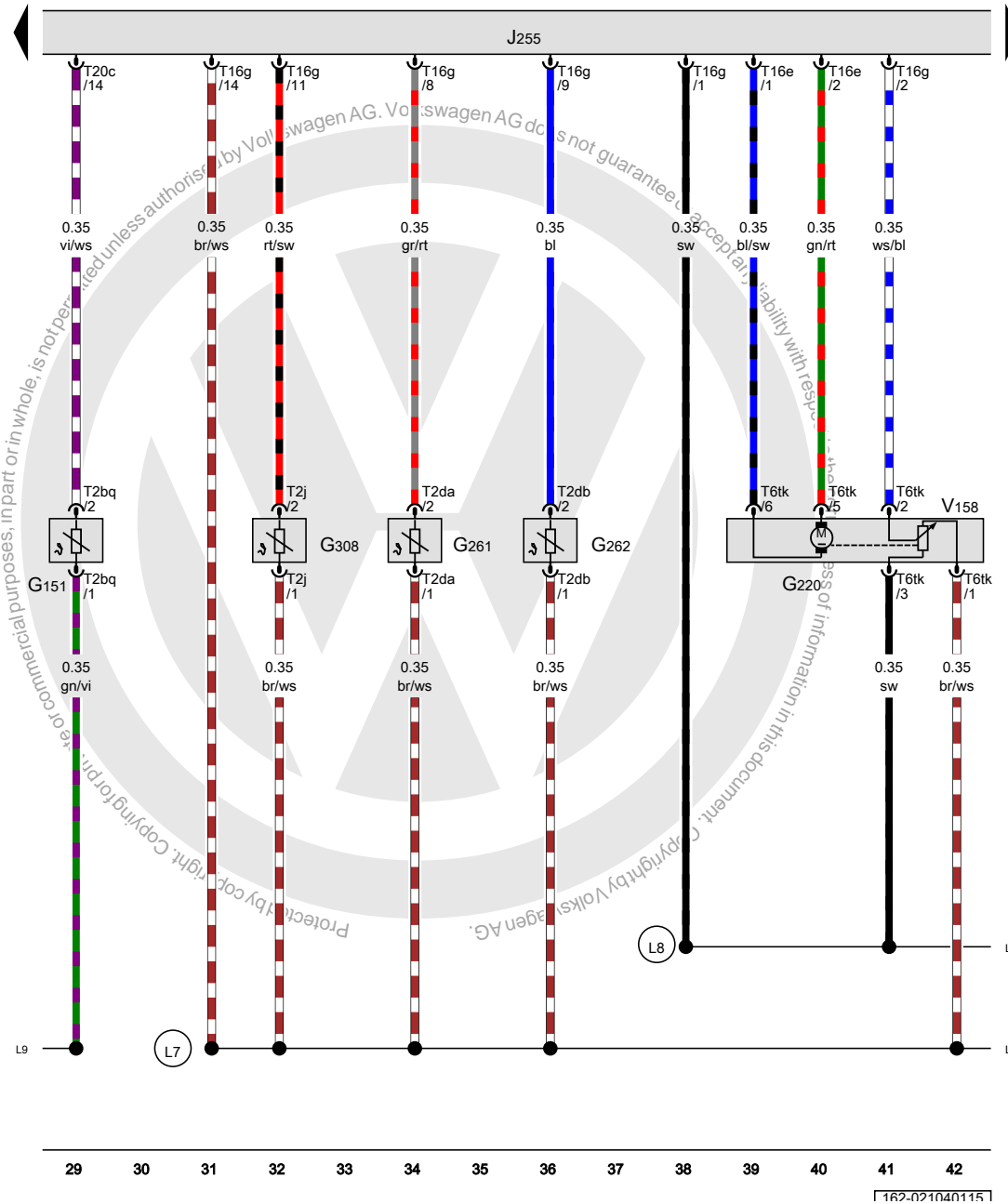
- G107 Sunlight penetration photosensor
- G134 Sunlight penetration photosensor 2
- G150 Left vent temperature sender
- G238 Air quality sensor
- J255 Climatronic control unit
- J774 Heated front seats control unit
- T2bh 2-pin connector
- T3aw 3-pin connector
- T4n 4-pin connector
- T10c 10-pin connector
- T10d 10-pin connector
- T14hy 14-pin connector
- T20c 20-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B431 Connection (seat heating), in main wiring harness
- L9 Connection 1, in air conditioning system wiring harness
- M45 Connection 5, in driver seat wiring harness

- * Only models with seat heating
- *2 see applicable current flow diagram for seat heating
- *3 According to equipment
- *4 Wiring colour depends on equipment
- *5 Only models with hybrid drive system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-0210301115



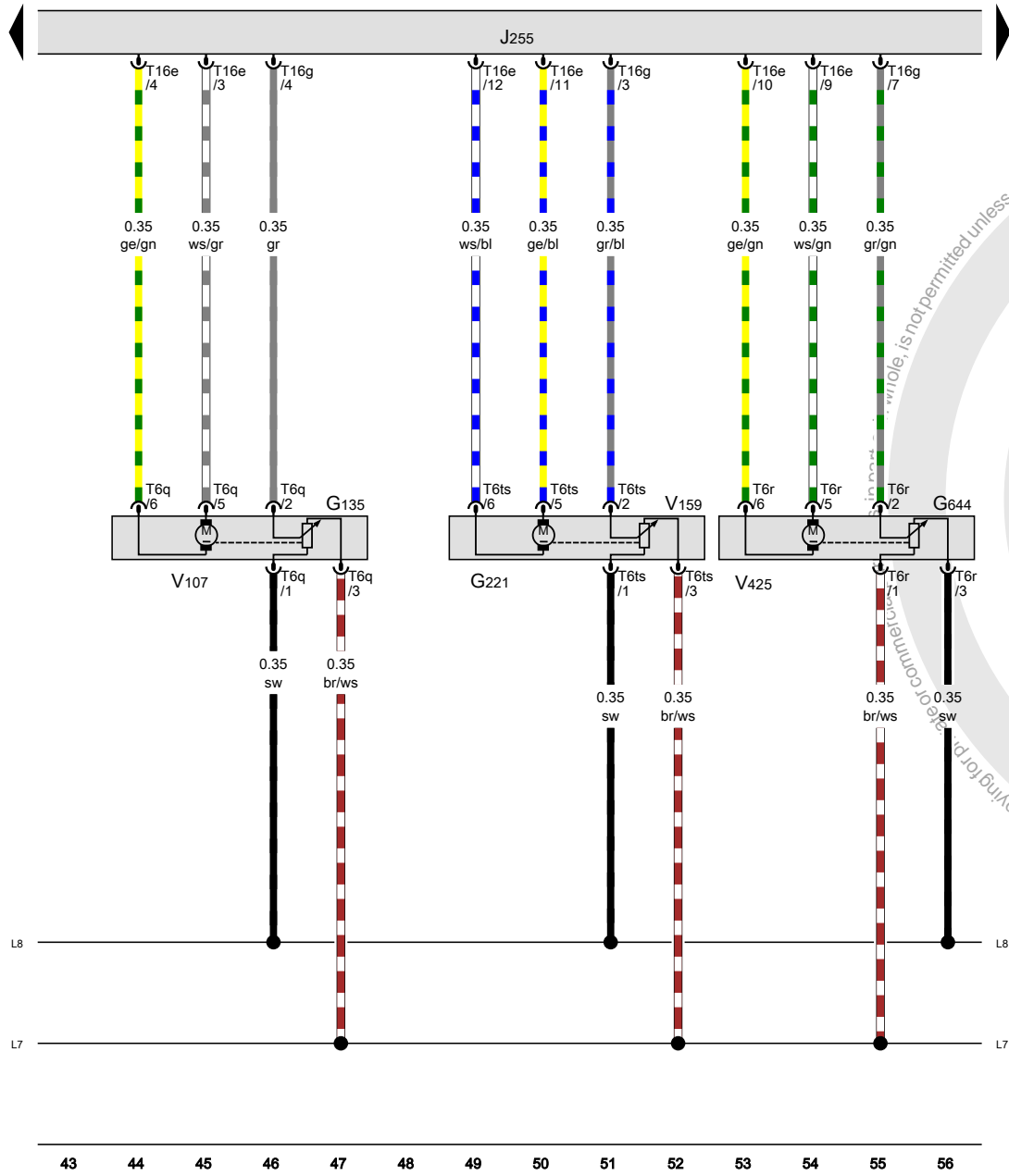
Right vent temperature sender, Potentiometer for left temperature flap control motor, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator temperature sensor, Climatronic control unit, Left temperature flap control motor

- G151 Right vent temperature sender
- G220 Potentiometer for left temperature flap control motor
- G261 Left footwell vent temperature sender
- G262 Right footwell vent temperature sender
- G308 Evaporator temperature sensor
- J255 Climatronic control unit
- T2bq 2-pin connector
- T2da 2-pin connector
- T2db 2-pin connector
- T2j 2-pin connector
- T6tk 6-pin connector
- T16e 16-pin connector
- T16g 16-pin connector
- T20c 20-pin connector
- V158 Left temperature flap control motor

- (L7) Connection 3, in evaporator housing unit wiring harness
- (L8) Connection 4, in evaporator housing unit wiring harness
- (L9) Connection 1, in air conditioning system wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-021040115



Potentiometer for defroster flap control motor,
 Potentiometer for right temperature flap control motor,
 Potentiometer for fresh air/air recirculation, air flow flap control motor, Climatronic control unit, Defroster flap control motor, Right temperature flap control motor, Fresh air/air recirculation, air flow flap control motor

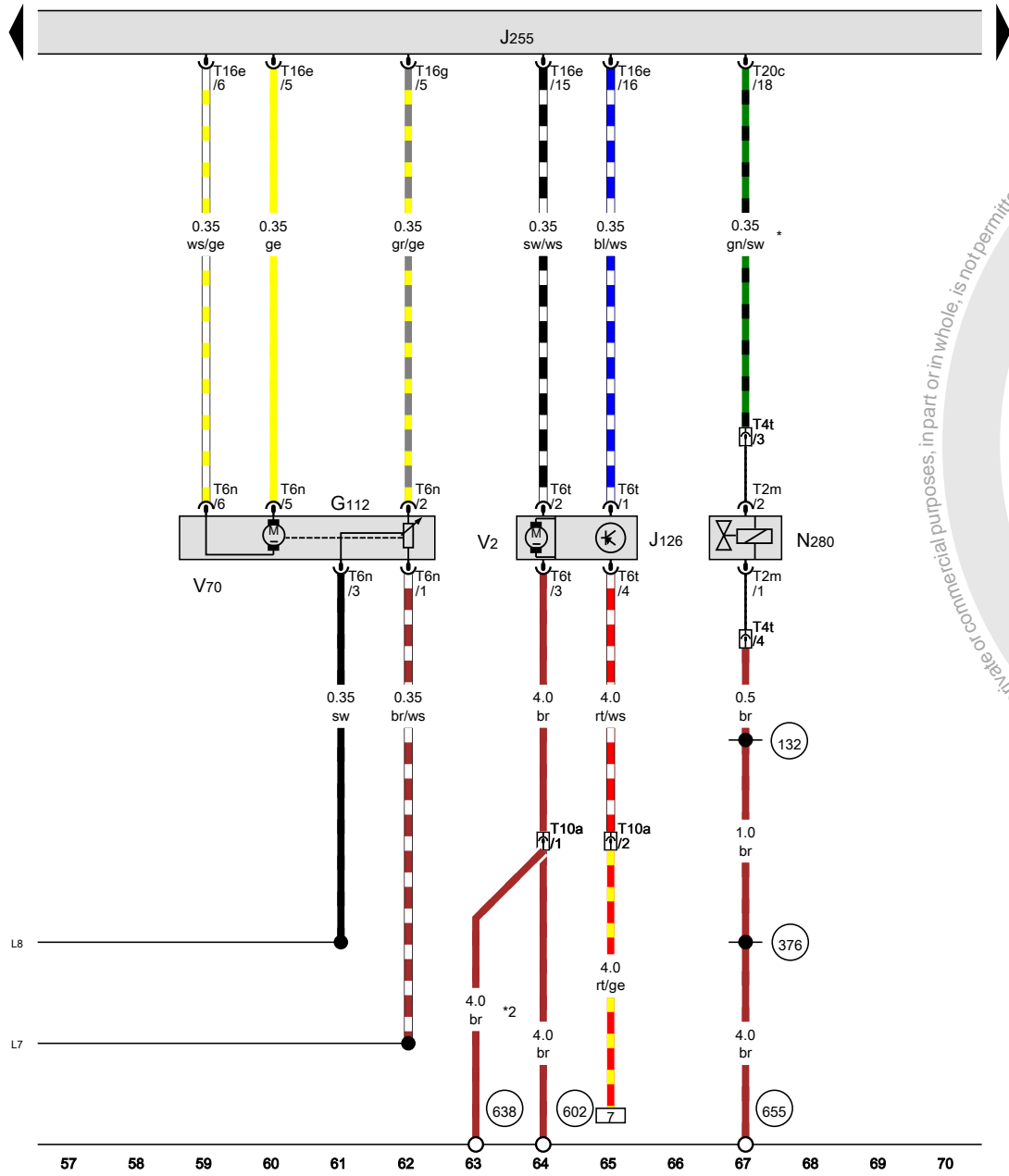
- G135 Potentiometer for defroster flap control motor
- G221 Potentiometer for right temperature flap control motor
- G644 Potentiometer for fresh air/air recirculation, air flow flap control motor
- J255 Climatronic control unit
- T6q 6-pin connector
- T6r 6-pin connector
- T6ts 6-pin connector
- T16e 16-pin connector
- T16g 16-pin connector
- V107 Defroster flap control motor
- V159 Right temperature flap control motor
- V425 Fresh air/air recirculation, air flow flap control motor

- L7 Connection 3, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

162-021050115



Potentiometer for centre flap control motor, Fresh air blower control unit, Climatronic control unit, Air conditioner compressor regulating valve, Fresh air blower, Centre flap control motor

- G112 Potentiometer for centre flap control motor
 - J126 Fresh air blower control unit
 - J255 Climatronic control unit
 - N280 Air conditioner compressor regulating valve
 - T2m 2-pin connector
 - T4t 4-pin connector
 - T6n 6-pin connector
 - T6t 6-pin connector
 - T10a 10-pin connector
 - T16e 16-pin connector
 - T16g 16-pin connector
 - T20c 20-pin connector
 - V2 Fresh air blower
 - V70 Centre flap control motor
- (132) Earth connection 3, in engine compartment wiring harness
 - (376) Earth connection 11, in main wiring harness
 - (602) Earth point, in front left footwell
 - (638) Earth point, on right A-pillar
 - (655) Earth point, on left headlight
 - (L7) Connection 3, in evaporator housing unit wiring harness
 - (L8) Connection 4, in evaporator housing unit wiring harness
- * Wiring colour depends on equipment
 *2 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

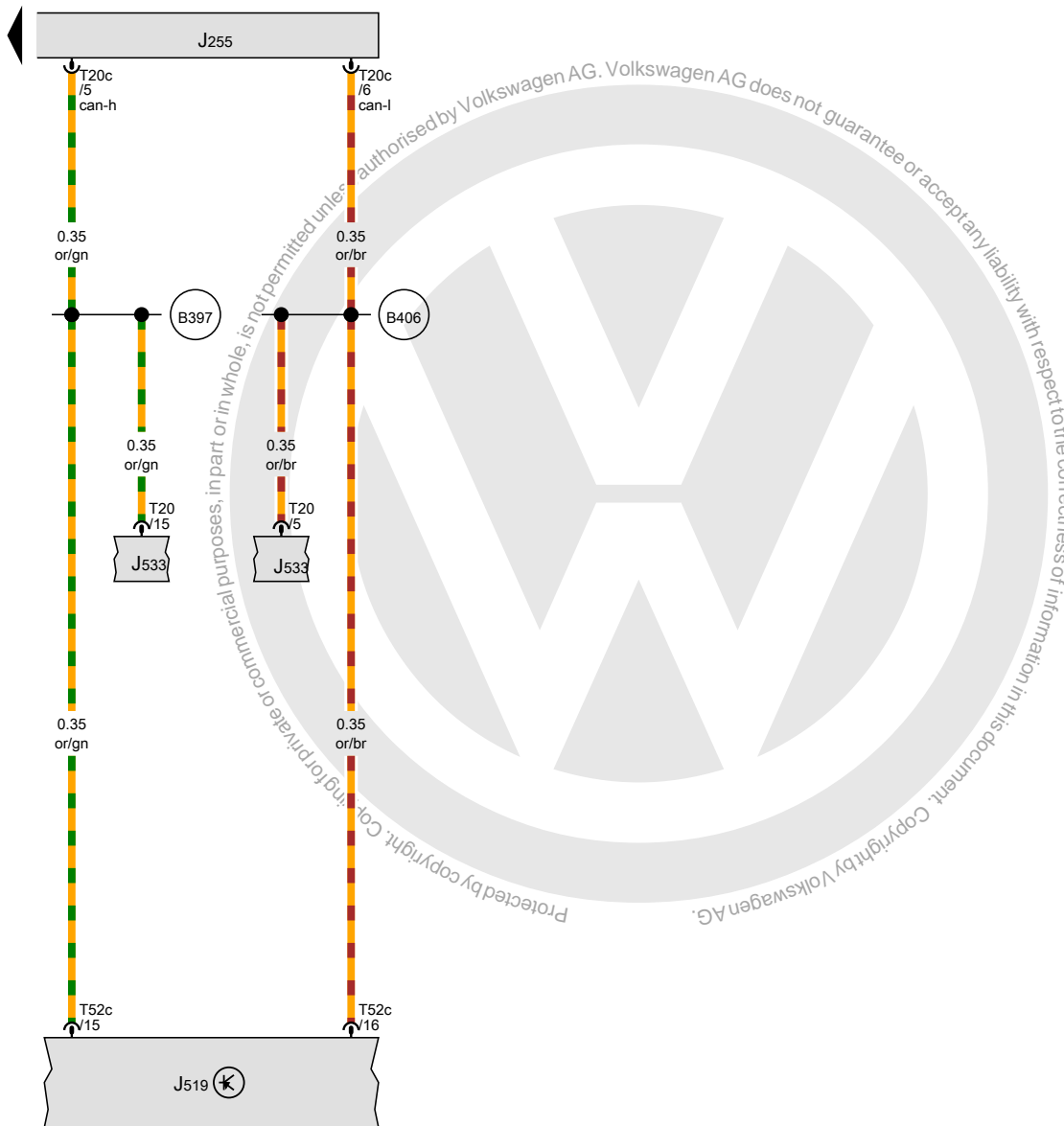
162-021060115

Climatronic control unit, Onboard supply control unit

- J255 Climatronic control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector
- T20c 20-pin connector
- T52c 52-pin connector

B397 Connection 1 (convenience CAN bus, high), in main wiring harness

B406 Connection 1 (convenience CAN bus, low), in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

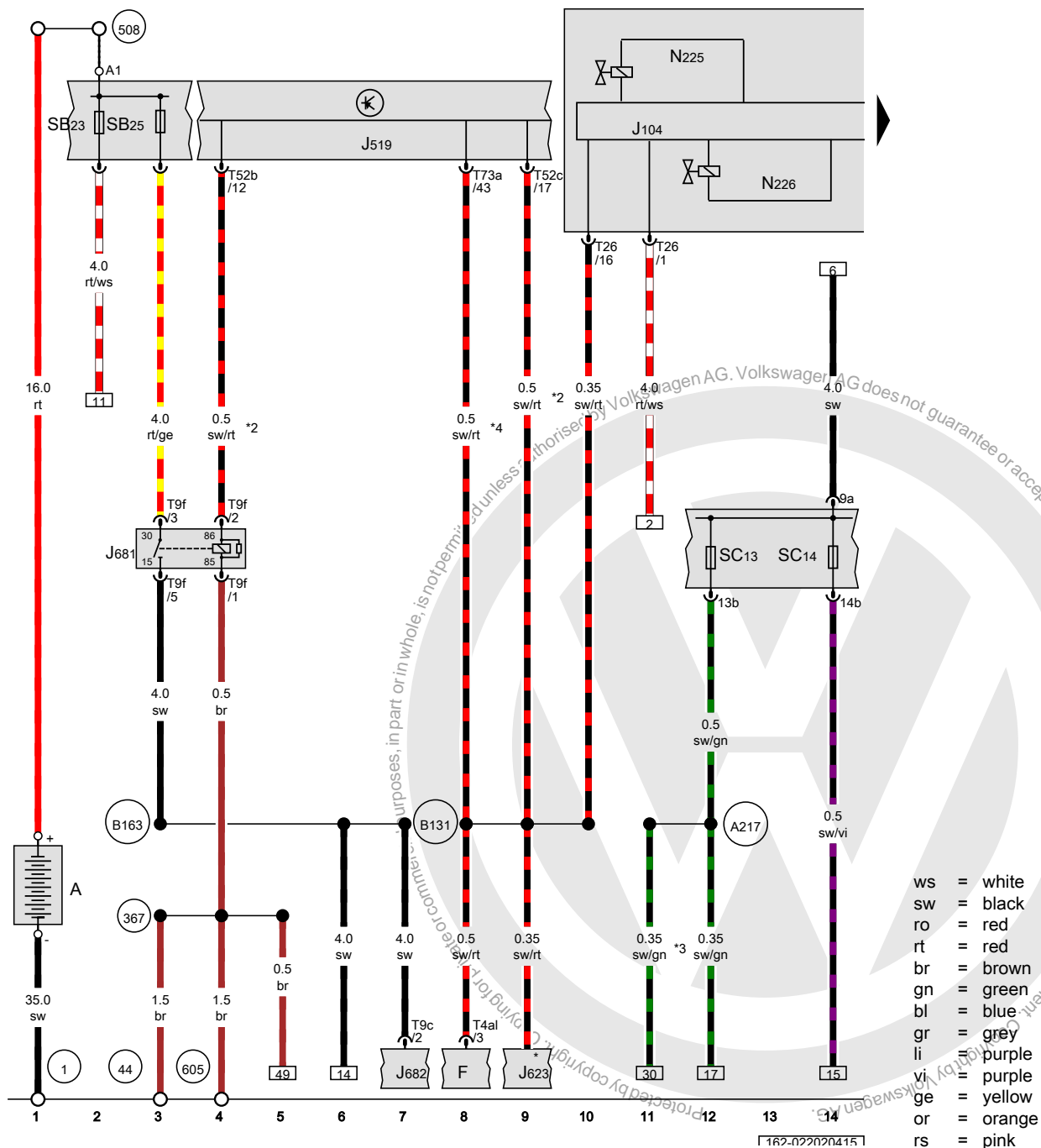
71 72 73 74 75 76 77 78 79 80 81 82 83 84

[162-021070115]

Anti-lock brake system (ABS) , (1AC)

From April 2010





Battery, ABS control unit, Onboard supply control unit, Terminal 15 voltage supply relay 2

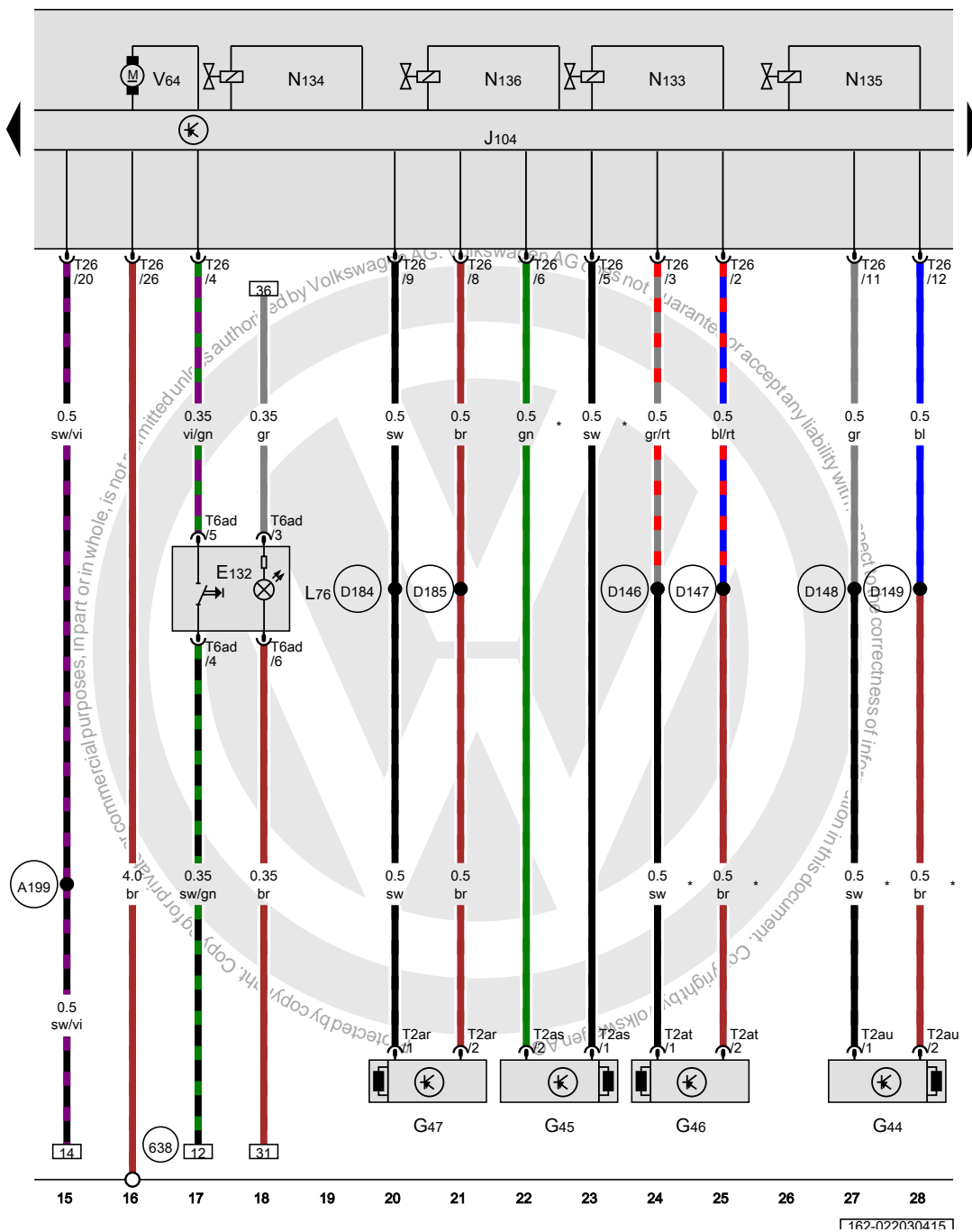
- A Battery
- F Brake light switch
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- N225 Vehicle stabilization program switch valve 1
- N226 Vehicle stabilization program switch valve 2
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SB23 Fuse 23 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T4al 4-pin connector
- T9c 9-pin connector
- T9f 9-pin connector
- T26 26-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T73a 73-pin connector
- T94 94-pin connector

- 1 Earth strap, battery - body
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * see applicable current flow diagram for engine
- *2 Only models with "High" equipment (AW1)
- *3 Only models with Tyre Pressure Monitoring System
- *4 Only models with "Low" equipment (AW0)

162-022020415



Traction control system switch, Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, ABS control unit

- E132 Traction control system switch
- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit
- L76 Button illumination bulb
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- T2ar 2-pin connector
- T2as 2-pin connector
- T2at 2-pin connector
- T2au 2-pin connector
- T6ad 6-pin connector
- T26 26-pin connector
- V64 ABS hydraulic pump

- 638 Earth point, on right A-pillar
- A199 Positive connection 4 (15a) in dash panel wiring harness
- D146 Connection (rear left speed sensor +), in engine compartment wiring harness
- D147 Connection (rear left speed sensor -), in engine compartment wiring harness
- D148 Connection (rear right speed sensor +), in engine compartment wiring harness
- D149 Connection (rear right speed sensor -), in engine compartment wiring harness
- D184 Connection (front left speed sensor +), in engine compartment wiring harness
- D185 Connection (front left speed sensor -), in engine compartment wiring harness
- * Cross section depends on equipment

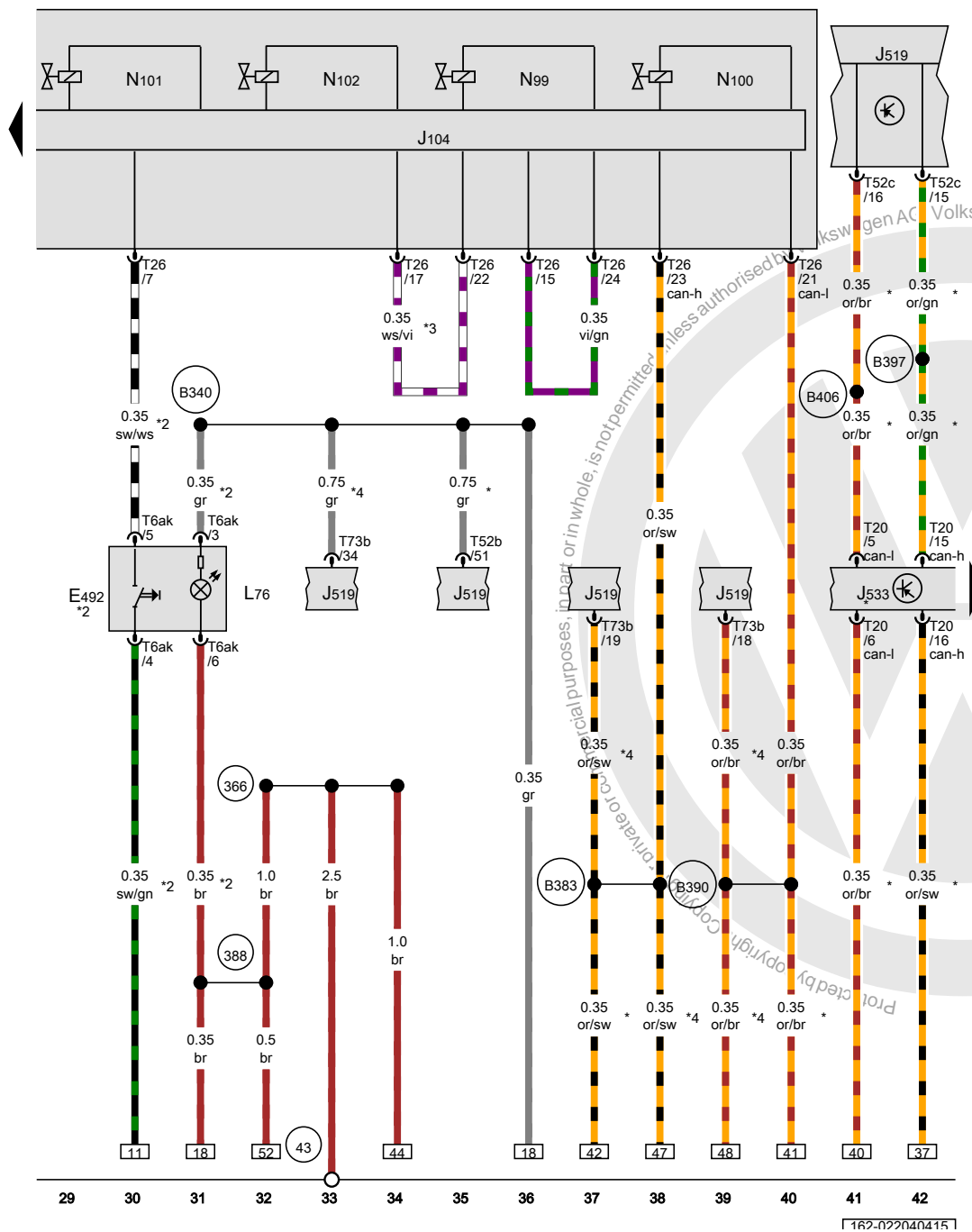
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Tyre Pressure Loss Indicator button, ABS control unit, Onboard supply control unit, Data bus diagnostic interface

- E492 Tyre Pressure Loss Indicator button
- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface, in left footwell, near centre console
- L76 Button illumination bulb
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- N101 Front left ABS inlet valve
- N102 Front left ABS outlet valve
- T6ak 6-pin connector
- T20 20-pin connector
- T26 26-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T73b 73-pin connector

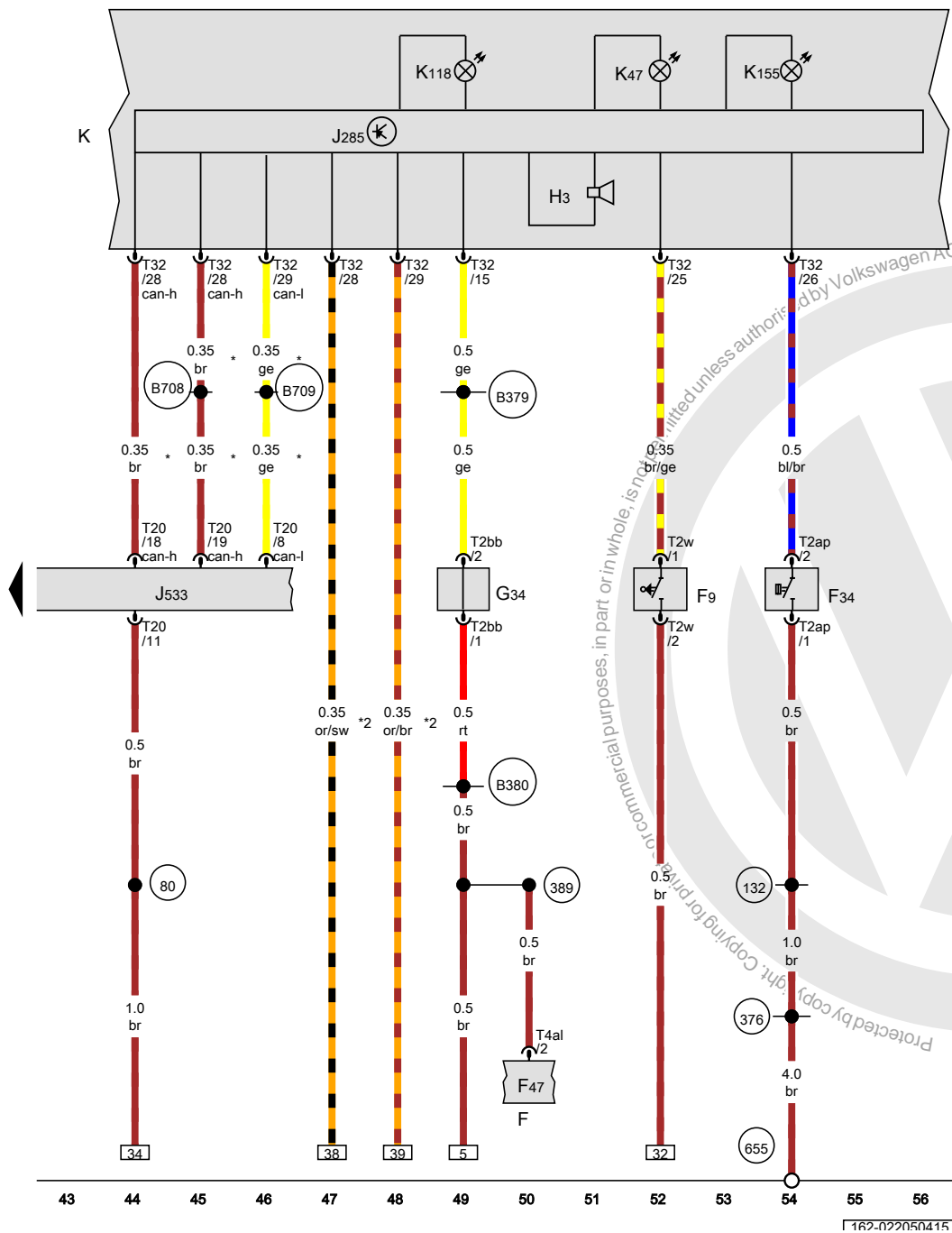
- 43 Earth point, lower part of right A-pillar
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

- ws = white
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- ro = red
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- br = brown
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- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



29 30 31 32 33 34 35 36 37 38 39 40 41 42

162-022040415



Handbrake warning switch, Brake fluid level warning contact, Front left brake pad wear sender, Buzzer and gong, Control unit in dash panel insert, Data bus diagnostic interface, ABS warning lamp, Brake system warning lamp, Warning lamp for electronic stabilisation program and TCS

- F Brake light switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- F47 Brake pedal switch
- G34 Front left brake pad wear sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface, in left footwell, near centre console
- K Dash panel insert
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- T2ap 2-pin connector
- T2bb 2-pin connector
- T2w 2-pin connector
- T4al 4-pin connector
- T20 20-pin connector
- T32 32-pin connector

- 80 Earth connection 1, in dash panel wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 655 Earth point, on left headlight
- B379 Connection 1 (brake pad wear indicator), in main wiring harness
- B380 Connection 2 (brake pad wear indicator), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness

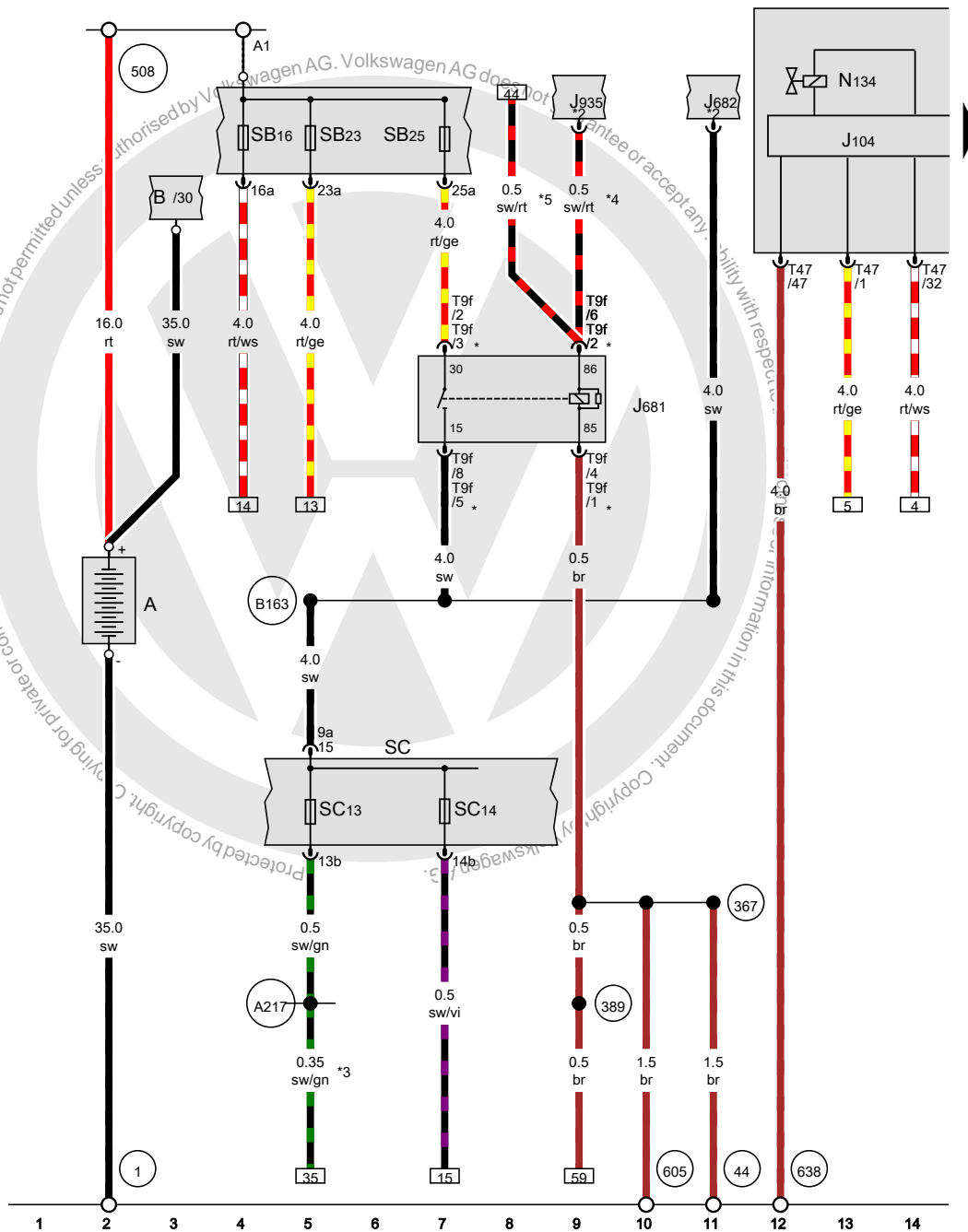
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

Anti-lock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS) and electronic stabilisation program (ESP) , (1AS),(1AT)

From April 2010





Battery, ABS control unit, Terminal 15 voltage supply relay 2, Fuse holder C

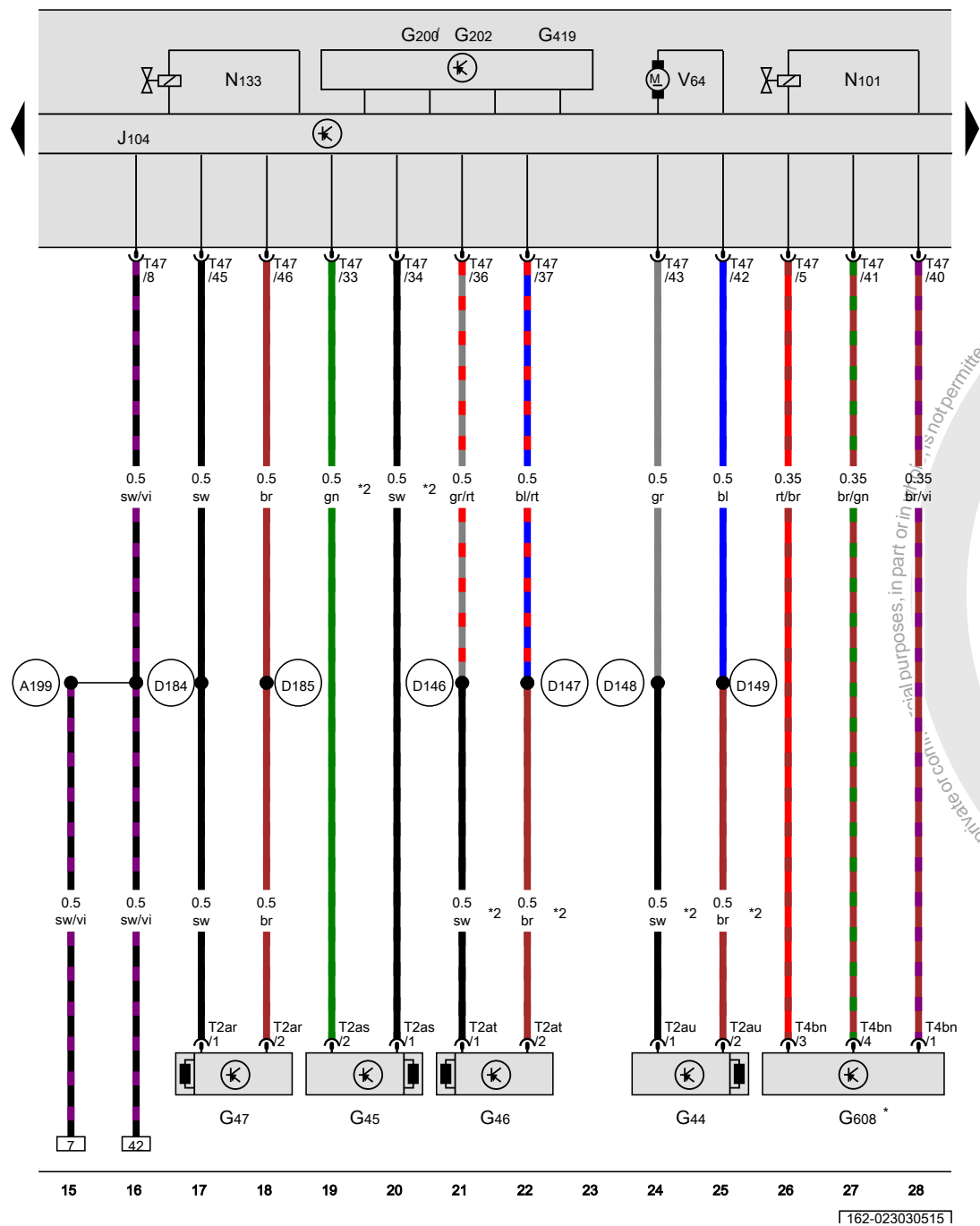
- A Battery
- B Starter
- J104 ABS control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- J935 Converter box
- N134 Rear left ABS inlet valve
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SB16 Fuse 16 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- T9f 9-pin connector
- T47 47-pin connector

- 1 Earth strap, battery - body
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- 638 Earth point, on right A-pillar
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- * gradual introduction
- *2 see applicable current flow diagram for basic equipment
- *3 Only models with Tyre Pressure Monitoring System
- *4 Only models with "Low" equipment (AW0)
- *5 Only models with "High" equipment (AW1)

162-0230205151

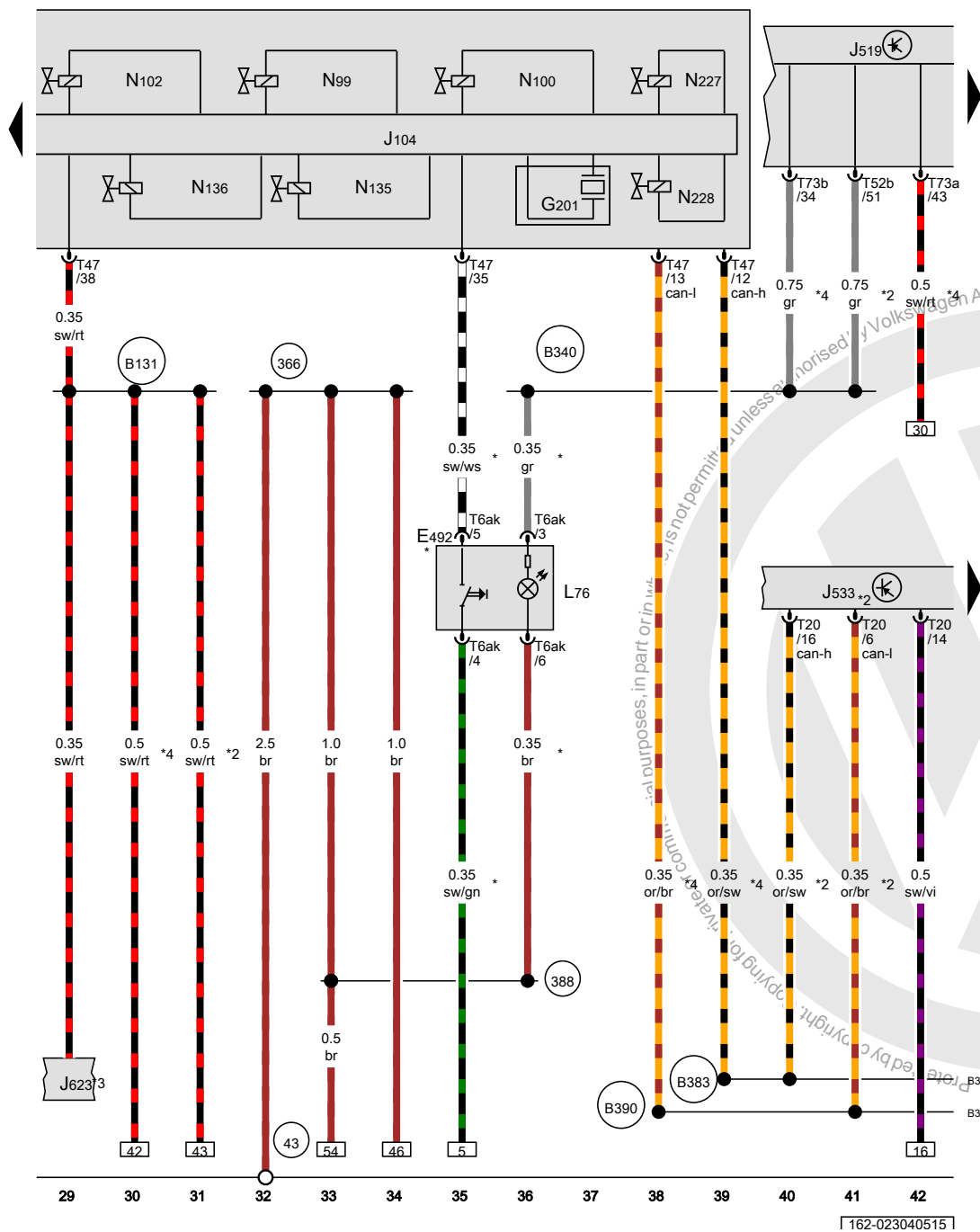


Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, Lateral acceleration sender, Yaw rate sender, Sensor unit for electronic stabilisation program, Vacuum sender, ABS control unit

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- G200 Lateral acceleration sender
- G202 Yaw rate sender
- G419 Sensor unit for electronic stabilisation program
- G608 Vacuum sender
- J104 ABS control unit
- N101 Front left ABS inlet valve
- N133 Rear right ABS inlet valve
- T2ar 2-pin connector
- T2as 2-pin connector
- T2at 2-pin connector
- T2au 2-pin connector
- T4bn 4-pin connector
- T47 47-pin connector
- V64 ABS hydraulic pump
- A199 Positive connection 4 (15a) in dash panel wiring harness
- D146 Connection (rear left speed sensor +), in engine compartment wiring harness
- D147 Connection (rear left speed sensor -), in engine compartment wiring harness
- D148 Connection (rear right speed sensor +), in engine compartment wiring harness
- D149 Connection (rear right speed sensor -), in engine compartment wiring harness
- D184 Connection (front left speed sensor +), in engine compartment wiring harness
- D185 Connection (front left speed sensor -), in engine compartment wiring harness
- * Only models with hydraulic brake servo (HBS)
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Tyre Pressure Loss Indicator button, ABS control unit, Onboard supply control unit, Data bus diagnostic interface

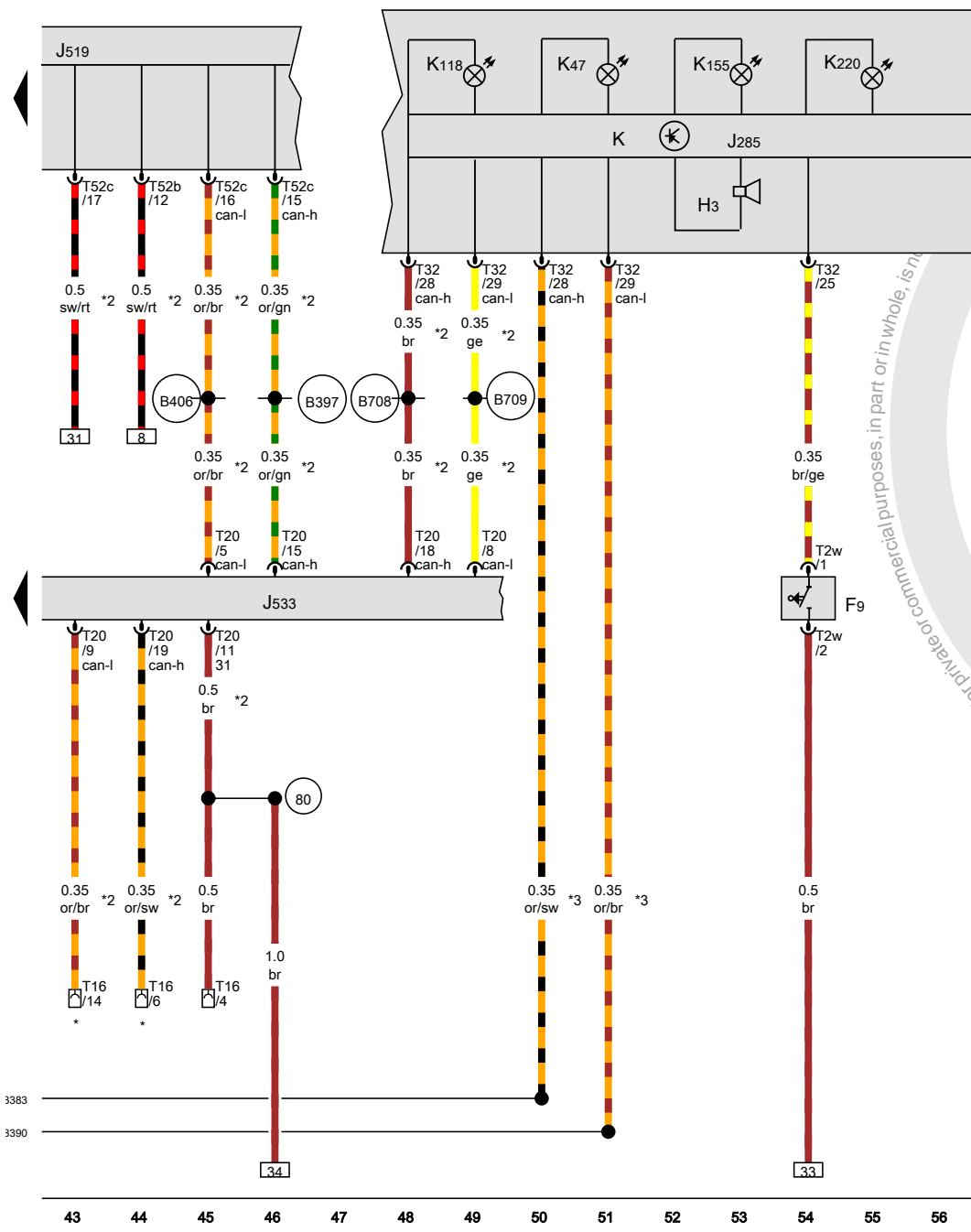


- E492 Tyre Pressure Loss Indicator button
- G201 Brake pressure sender 1
- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface, in left footwell, near centre console
- J623 Engine control unit
- L76 Button illumination bulb
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- N102 Front left ABS outlet valve
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- N227 Vehicle stabilization program high-pressure valve 1
- N228 Vehicle stabilization program high-pressure valve 2
- T6ak 6-pin connector
- T20 20-pin connector
- T47 47-pin connector
- T52b 52-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 43 Earth point, lower part of right A-pillar
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B131 Connection (54), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Only models with Tyre Pressure Monitoring System
- *2 Only models with "High" equipment (AW1)
- *3 see applicable current flow diagram for engine
- *4 Only models with "Low" equipment (AW0)



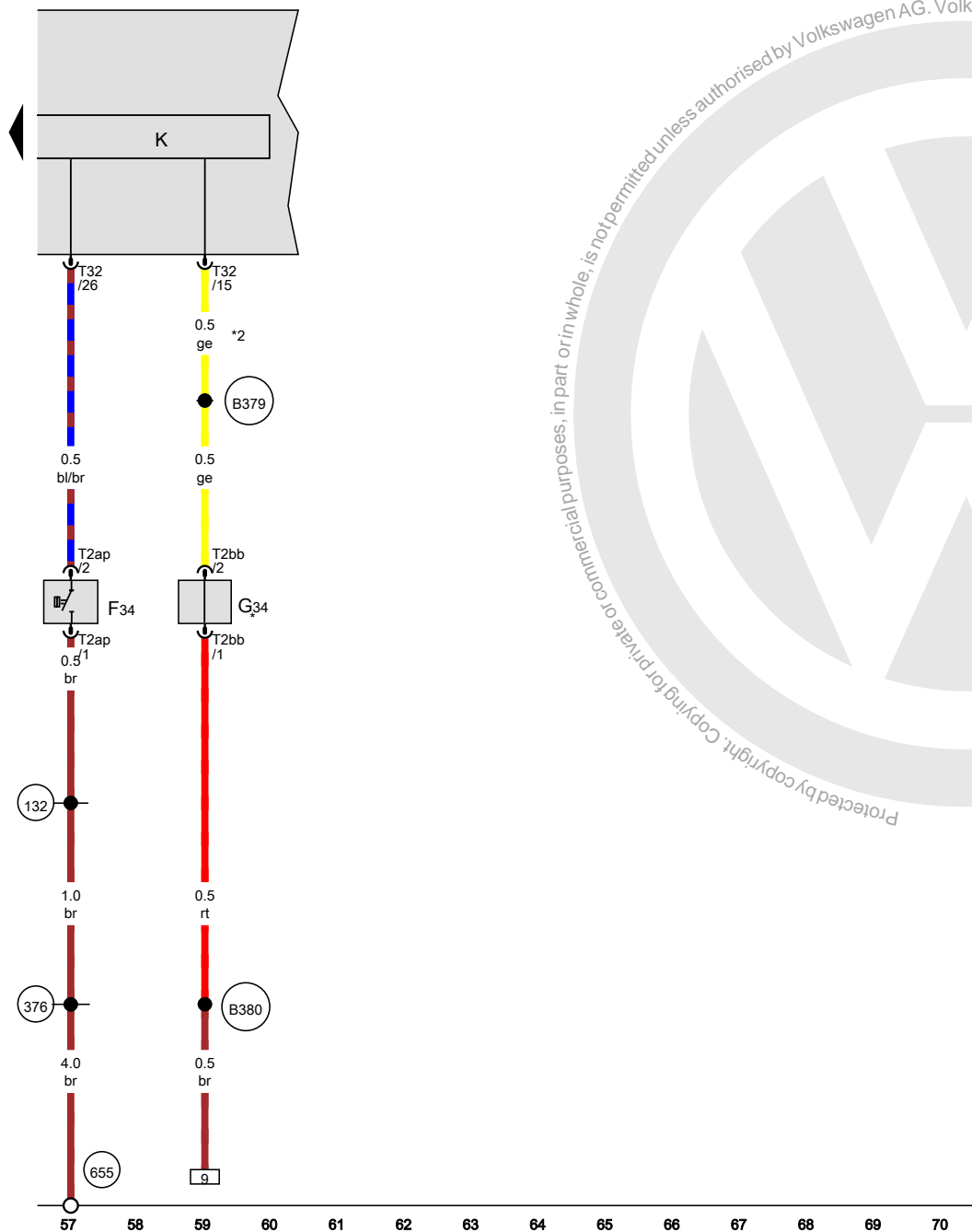
Handbrake warning switch, Buzzer and gong, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Brake system warning lamp, Warning lamp for electronic stabilisation program and TCS, Tyre Pressure Loss Indicator warning lamp

- F9 Handbrake warning switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface, in left footwell, near centre console
- K Dash panel insert
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K220 Tyre Pressure Loss Indicator warning lamp
- T2w 2-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 80 Earth connection 1, in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness

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- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Diagnostic connection
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)



Brake fluid level warning contact, Front left brake pad wear sender, Dash panel insert

- F34 Brake fluid level warning contact
- G34 Front left brake pad wear sender
- K Dash panel insert
- T2ap 2-pin connector
- T2bb 2-pin connector
- T32 32-pin connector
- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B379 Connection 1 (brake pad wear indicator), in main wiring harness
- B380 Connection 2 (brake pad wear indicator), in main wiring harness
- * According to equipment
- *2 Only models with warning function for brake pad wear

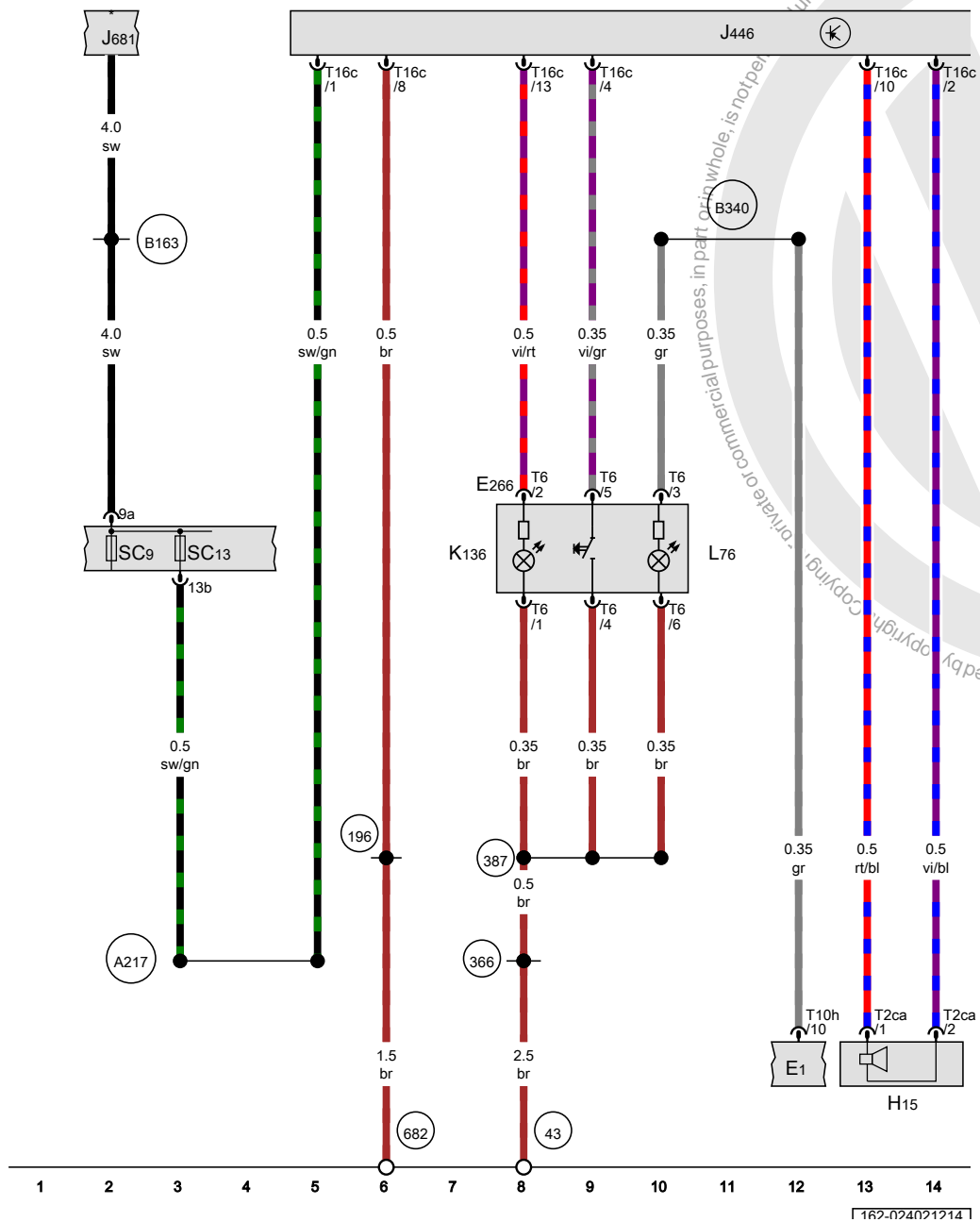
- ws = white
- sw = black
- ro = red
- rt = red
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-023060515

Front and rear parking aid (PDC) , (7X2)

From April 2010





Parking aid button, Rear parking aid warning buzzer, Parking aid control unit, Terminal 15 voltage supply relay 2, Parking aid warning lamp, Button illumination bulb

- E1 Light switch
- E266 Parking aid button
- H15 Rear parking aid warning buzzer
- J446 Parking aid control unit
- J681 Terminal 15 voltage supply relay 2
- K136 Parking aid warning lamp
- L76 Button illumination bulb
- SC9 Fuse 9 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- T2ca 2-pin connector
- T6 6-pin connector
- T10h 10-pin connector
- T16c 16-pin connector

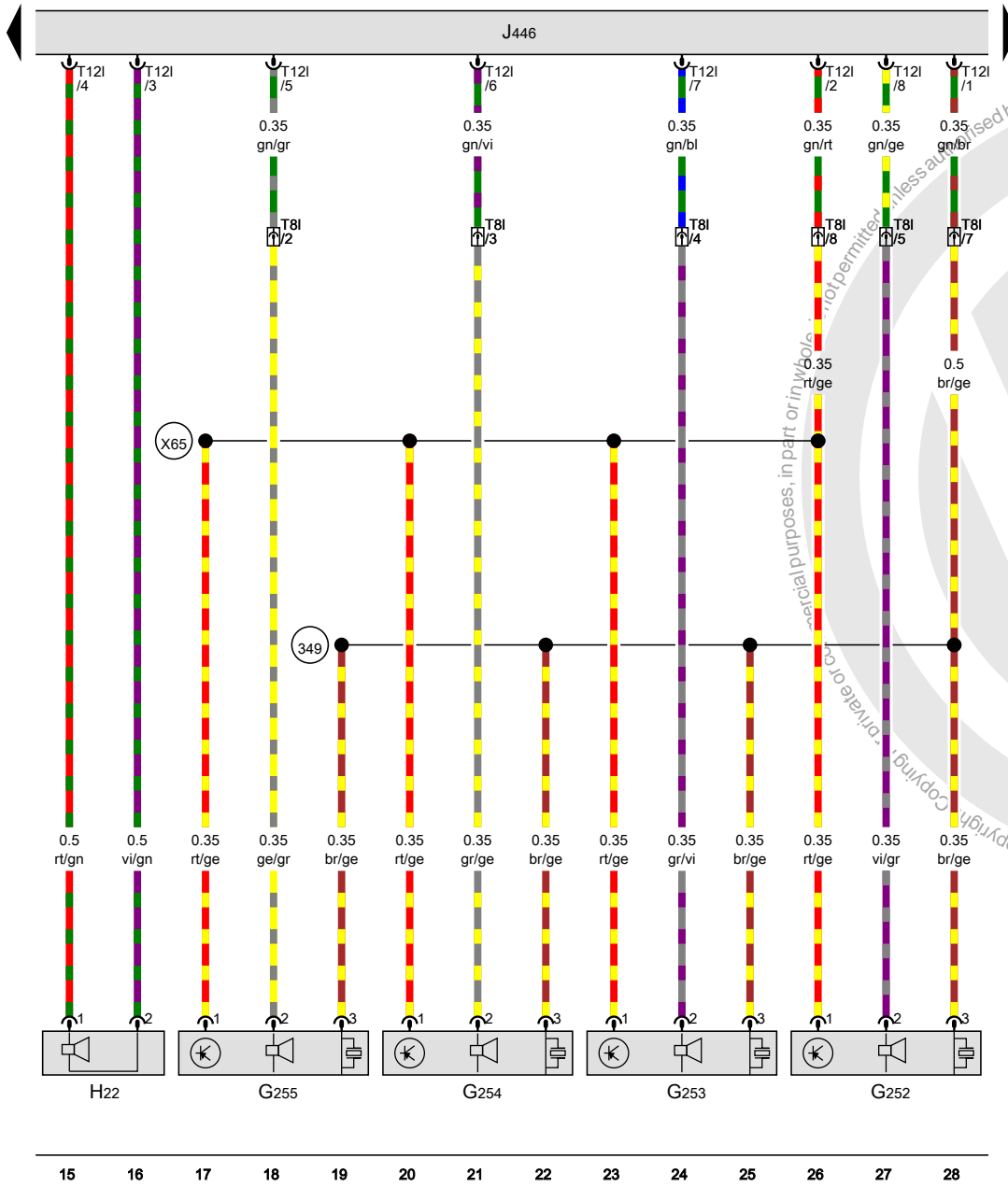
- 43 Earth point, lower part of right A-pillar
- 196 Earth connection 3, in rear wiring harness
- 366 Earth connection 1, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 682 Earth point 2, in rear right side panel
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness

* see applicable current flow diagram for basic equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

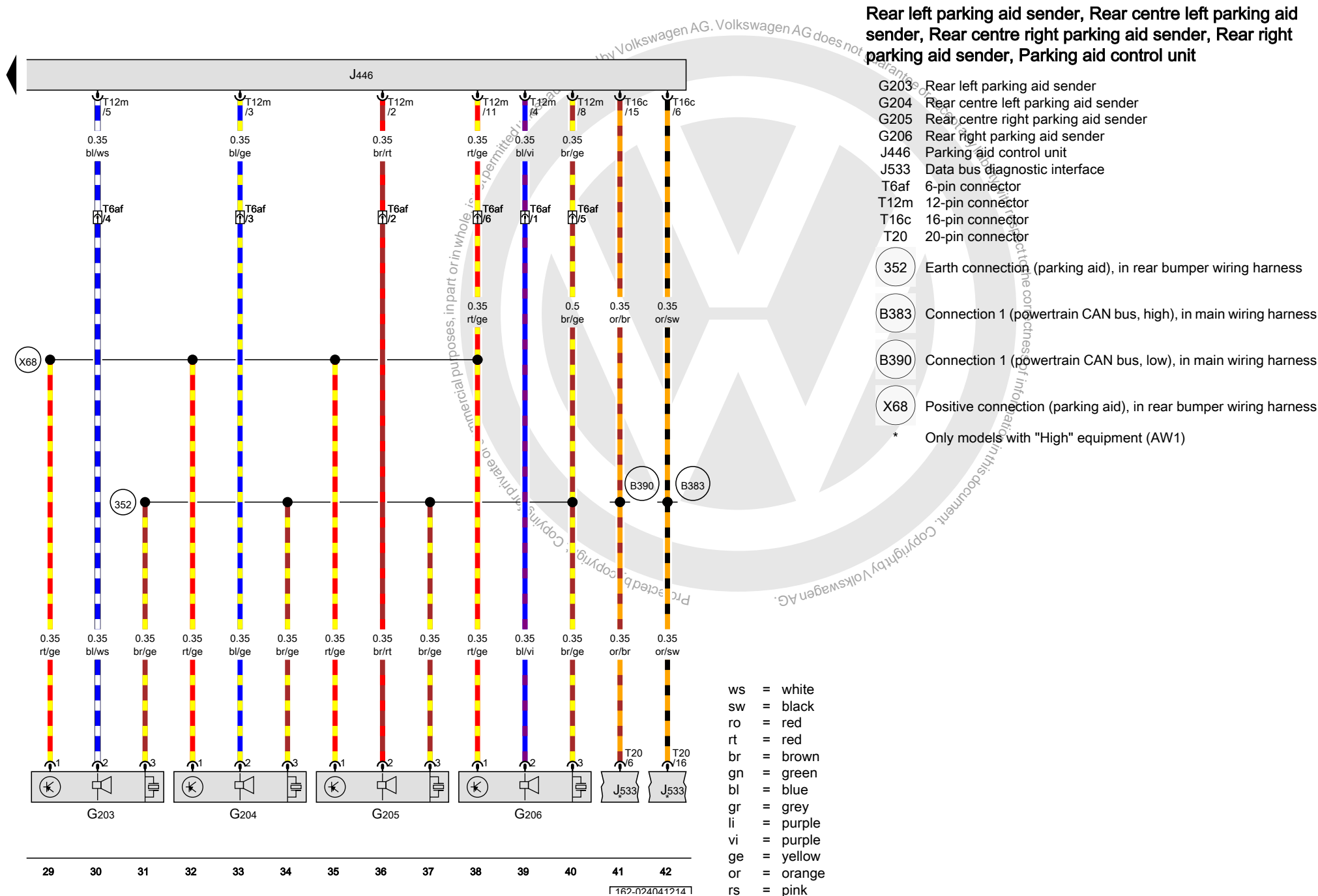
162-024021214

Front right parking aid sender, Front centre right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Front parking aid warning buzzer, Parking aid control unit



- G252 Front right parking aid sender
- G253 Front centre right parking aid sender
- G254 Front centre left parking aid sender
- G255 Front left parking aid sender
- H22 Front parking aid warning buzzer
- J446 Parking aid control unit
- T81 8-pin connector
- T121 12-pin connector
- (349) Earth connection (horn), in front bumper wiring harness
- (X65) Connection (parking aid), in front bumper wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

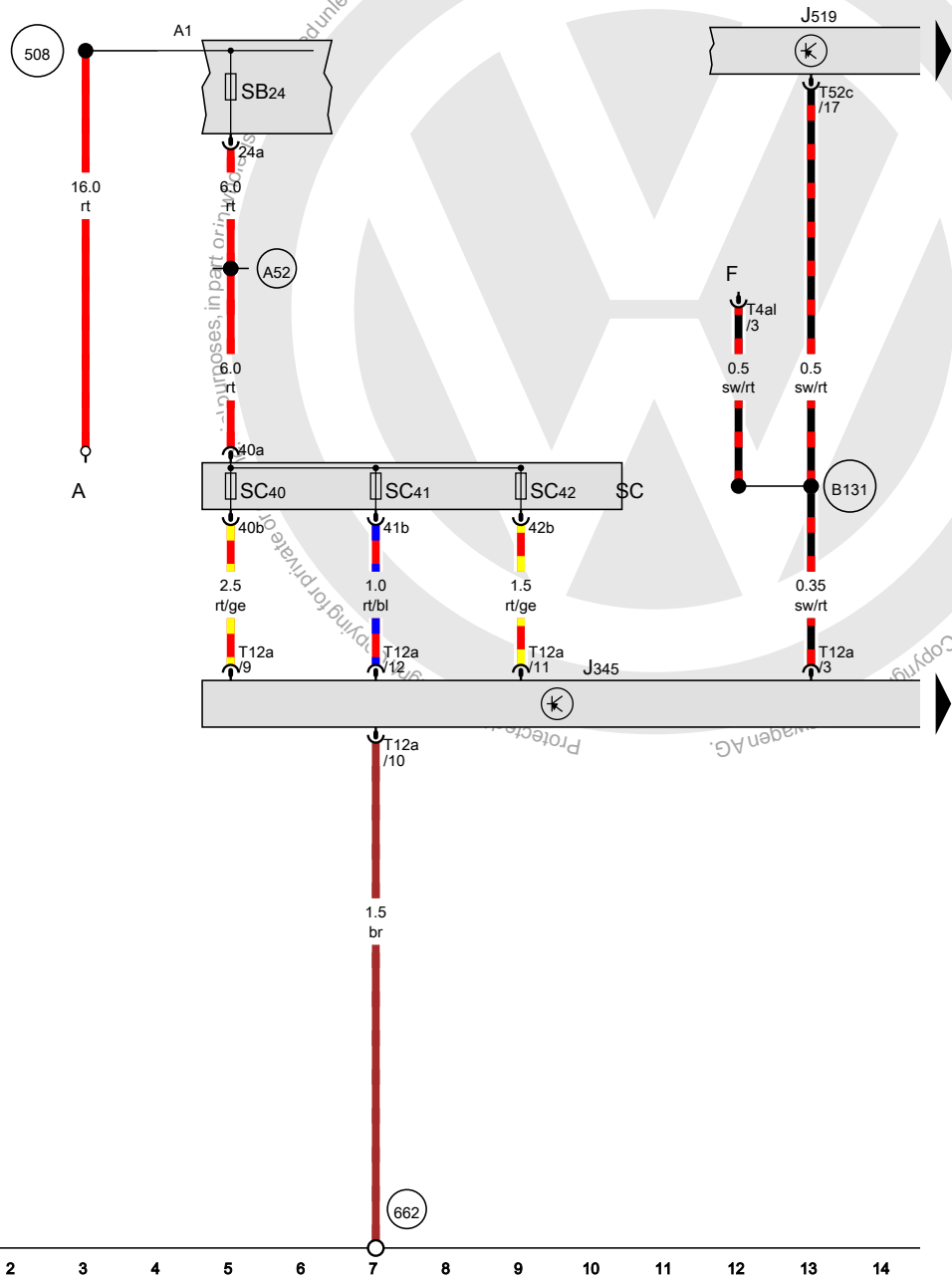


162-024041214

Trailer coupling , (1D2)

From April 2010





Trailer detector control unit, Onboard supply control unit, Fuse 24 on fuse holder B, Fuse holder C

- A Battery
- F Brake light switch
- J345 Trailer detector control unit
- J519 Onboard supply control unit
- SB24 Fuse 24 on fuse holder B
- SC Fuse holder C, on relay carrier
- SC40 Fuse 40 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- T4al 4-pin connector
- T12a 12-pin connector
- T52c 52-pin connector

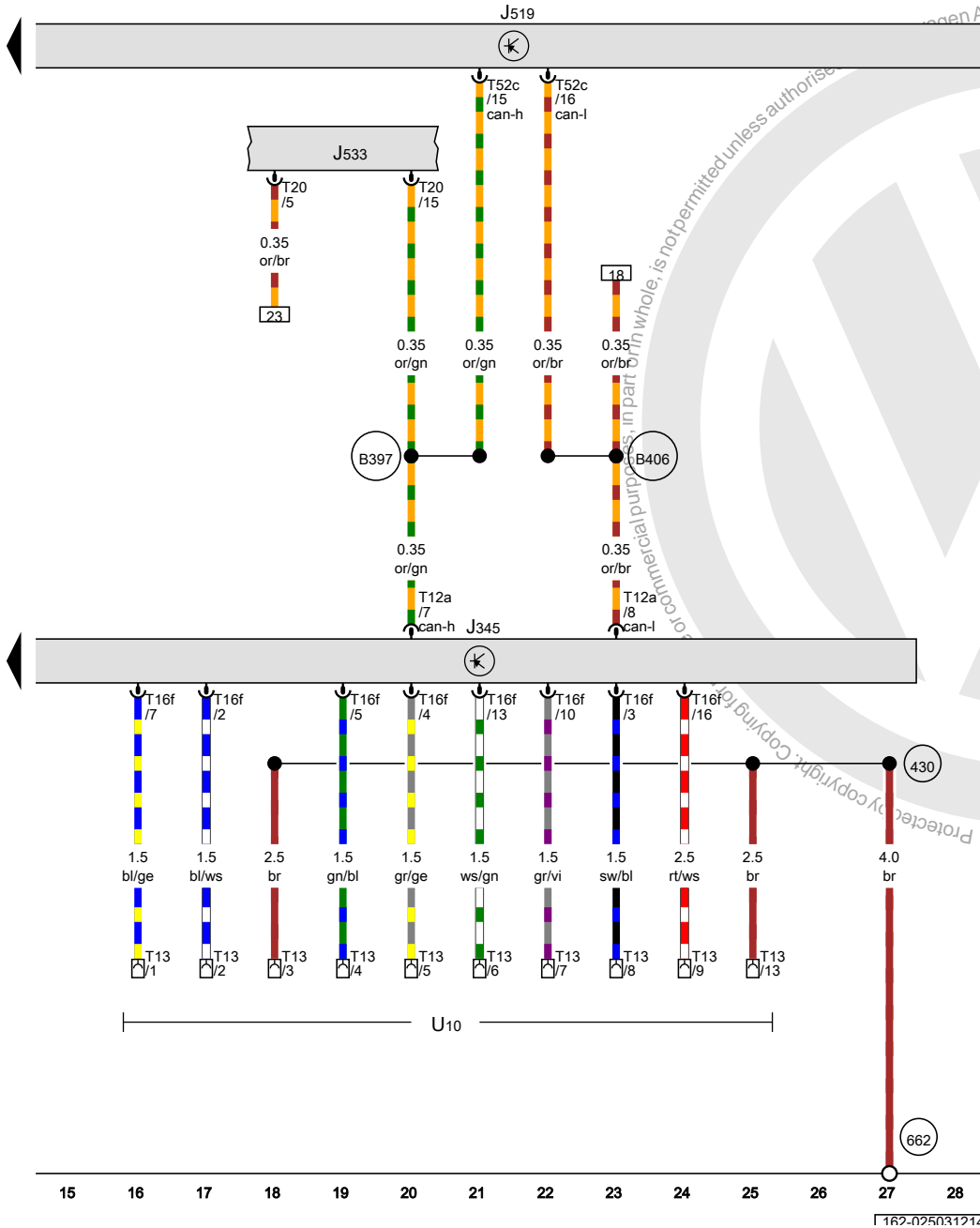
- 508 Threaded connection (30) on E-box
- 662 Earth point, rear left side panel
- A52 Positive connection 2 (30), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

162-025021214

Trailer detector control unit, Onboard supply control unit, Trailer socket



- J345 Trailer detector control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T12a 12-pin connector
- T13 13-pin connector
- T16f 16-pin connector
- T20 20-pin connector
- T52c 52-pin connector
- U10 Trailer socket

- 430 Earth connection, in towing bracket wiring harness
- 662 Earth point, rear left side panel
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

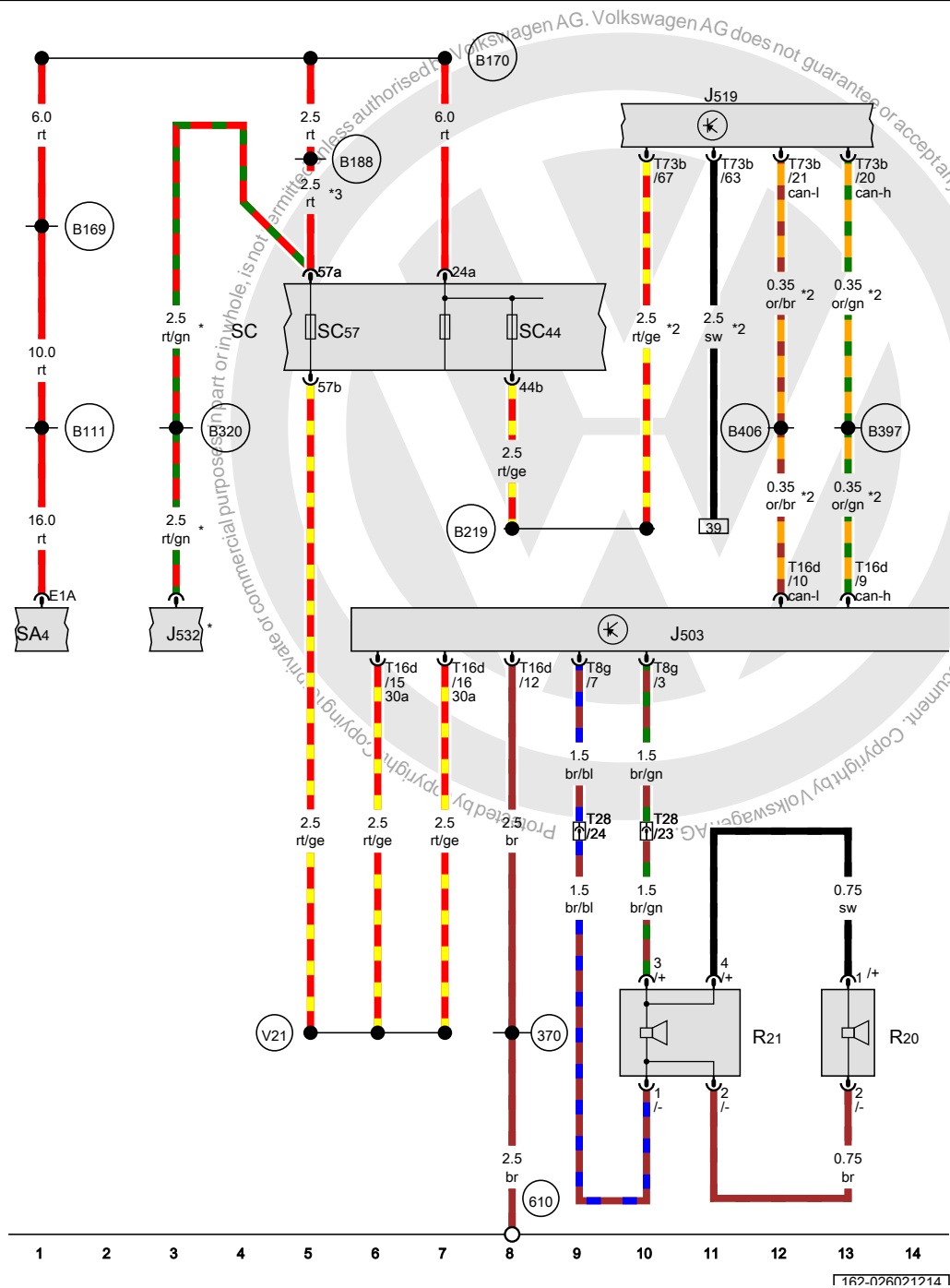
- ws = white
- ro = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28
 [162-025031214]

Radio navigation system RNS 315 , (7T8),(7UC),(7UK)

From May 2010





Control unit with display for radio and navigation, Onboard supply control unit, Front left treble loudspeaker, Front left bass loudspeaker, Fuse 4 in fuse holder A, Fuse holder C

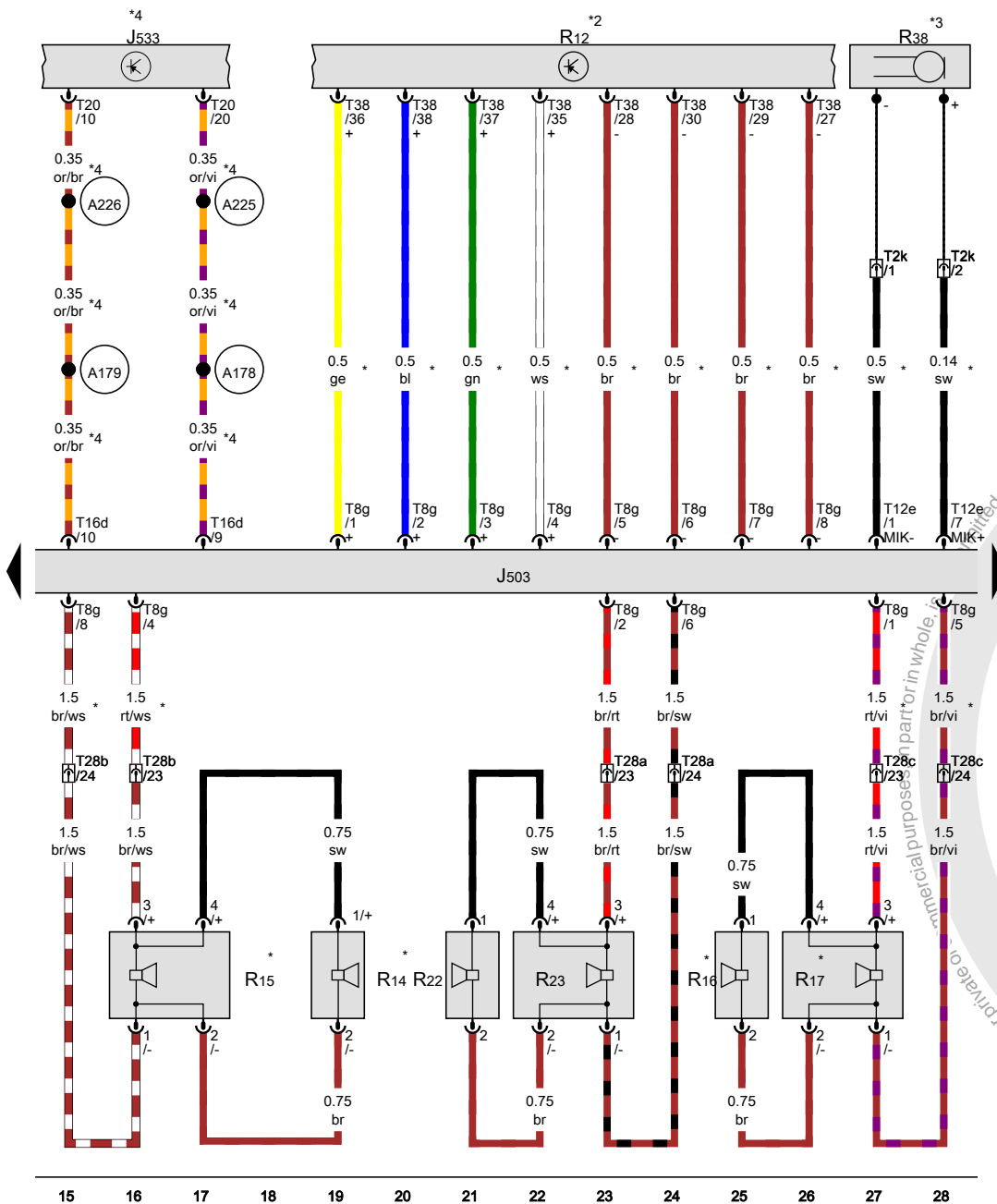
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T8g 8-pin connector
- T16d 16-pin connector
- T28 28-pin connector
- T73b 73-pin connector

- (370) Earth connection 5, in main wiring harness
- (610) Earth point (audio), front below centre console
- (B111) Positive connection 1 (30a), in interior wiring harness
- (B169) Positive connection 1 (30), in interior wiring harness
- (B170) Positive connection 2 (30), in interior wiring harness
- (B188) Positive connection 5 (30), in interior wiring harness
- (B219) Positive connection 4 (30a), in interior wiring harness
- (B320) Positive connection 6 (30a) in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (V21) Positive connection (30), in radio - amplifier wiring harness

- * Only models with stop/start system
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with no start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit with display for radio and navigation, Front right treble loudspeaker, Front right bass loudspeaker



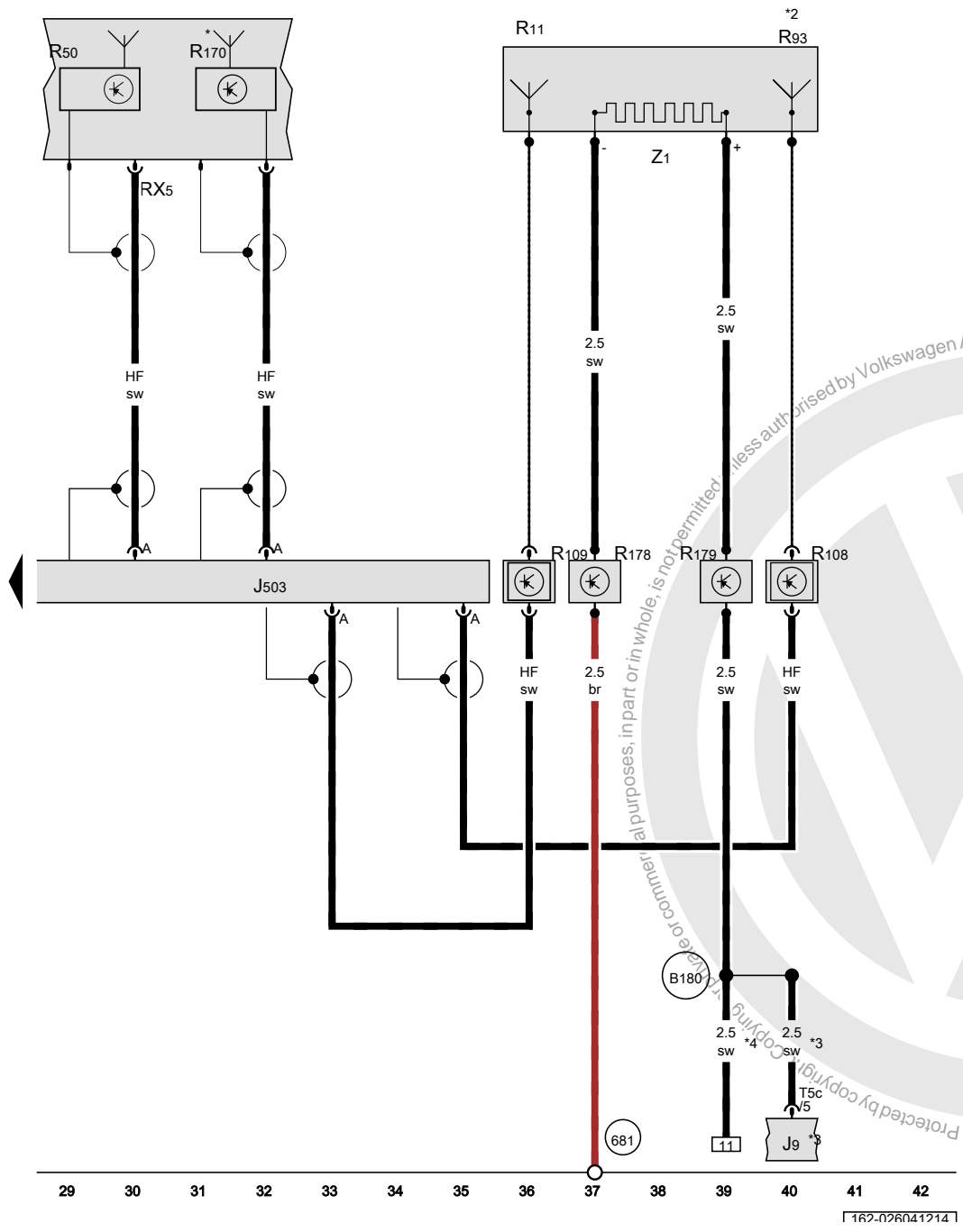
- J503 Control unit with display for radio and navigation
- J533 Data bus diagnostic interface
- R12 Amplifier
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R38 Telephone microphone
- T2k 2-pin connector
- T8g 8-pin connector
- T12e 12-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T28a 28-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- T38 38-pin connector

- (A178) Connection (infotainment CAN bus, high), in dash panel wiring harness
- (A179) Connection (infotainment CAN bus, low), in dash panel wiring harness
- (A225) Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- (A226) Connection 2 (infotainment CAN bus, low) in dash panel wiring harness

- * According to equipment
- *2 see applicable current flow diagram for sound system
- *3 see applicable current flow diagram for telephone systems
- *4 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = pink
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-076031214



Control unit with display for radio and navigation, Left aerial module, Right aerial module, Satellite aerial, Heated rear window

- J9 Heated rear window relay
- J503 Control unit with display for radio and navigation
- RX5 Roof aerial
- R11 Aerial
- R50 GPS aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R170 Satellite aerial
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T5c 5-pin connector
- Z1 Heated rear window
- 681 Earth point 1, in rear right side panel
- B180 Connection (heated rear window), in interior wiring harness
- * Only for American markets
- *2 According to equipment
- *3 Only models with "High" equipment (AW1)
- *4 Only models with "Low" equipment (AW0)

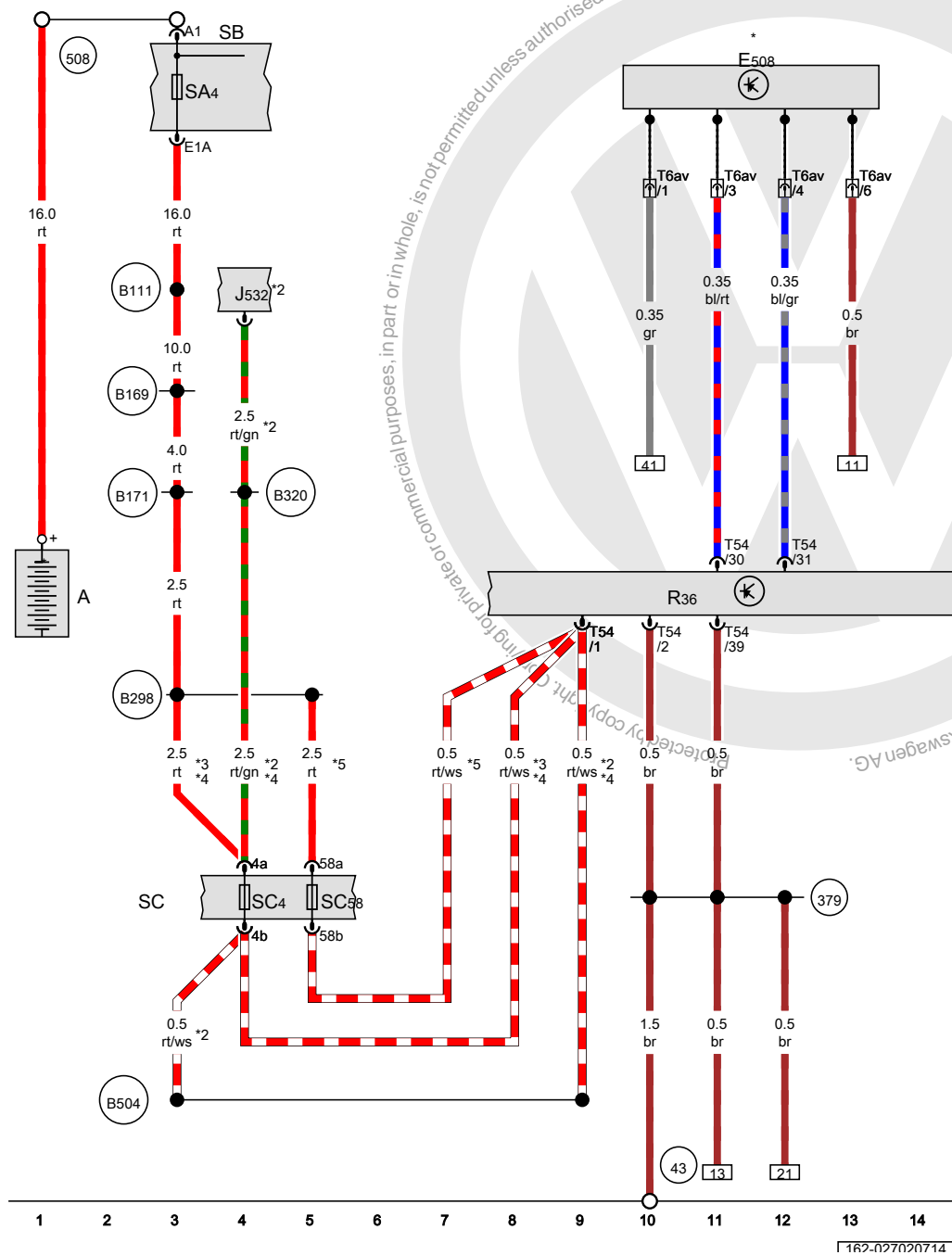
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-026041214

Mobile telephone systems

From April 2010





Operating unit for preparation for mobile telephone, Telephone transmitter and receiver unit, Fuse holder B, Fuse holder C

- A Battery
- E508 Operating unit for preparation for mobile telephone
- J532 Voltage stabiliser
- R36 Telephone transmitter and receiver unit
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SC Fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T6av 6-pin connector
- T54 54-pin connector
- 43 Earth point, lower part of right A-pillar
- 379 Earth connection 14, in main wiring harness
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B298 Positive connection 2 (30), in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness

- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Component not included in the preparation for mobile telephone
- *2 Only models with stop/start system
- *3 Only models with no start/stop system
- *4 From November 2010
- *5 Up to October 2010

162-027020714

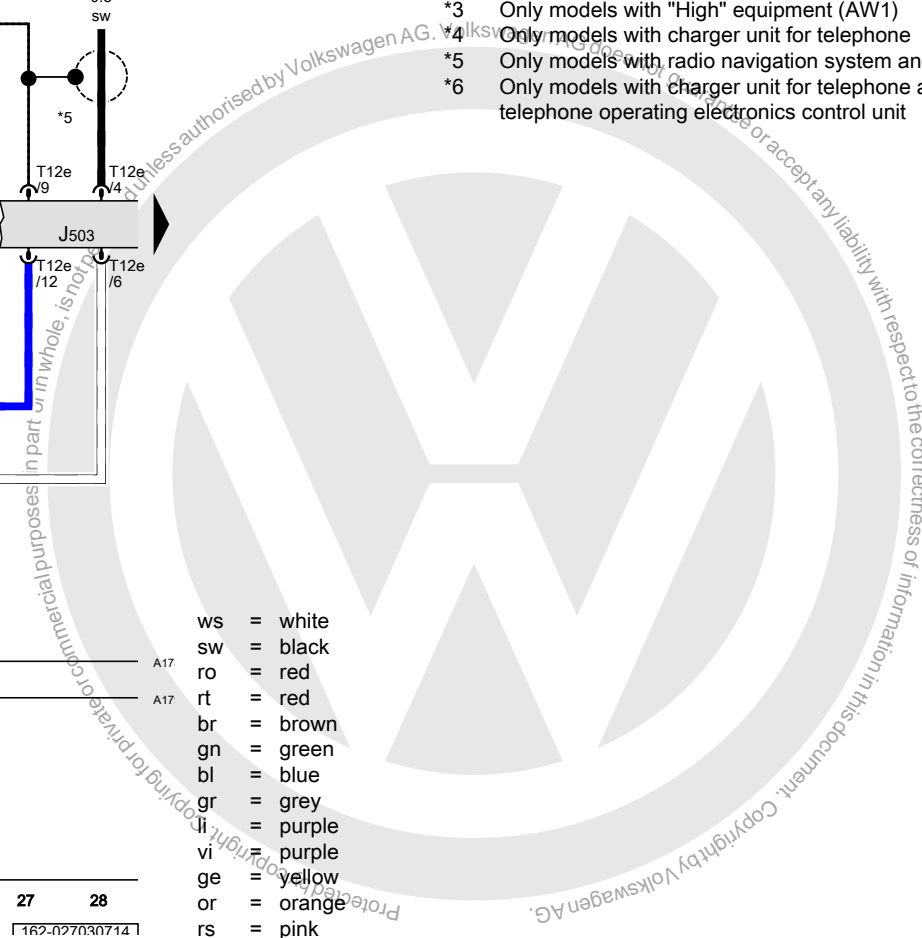
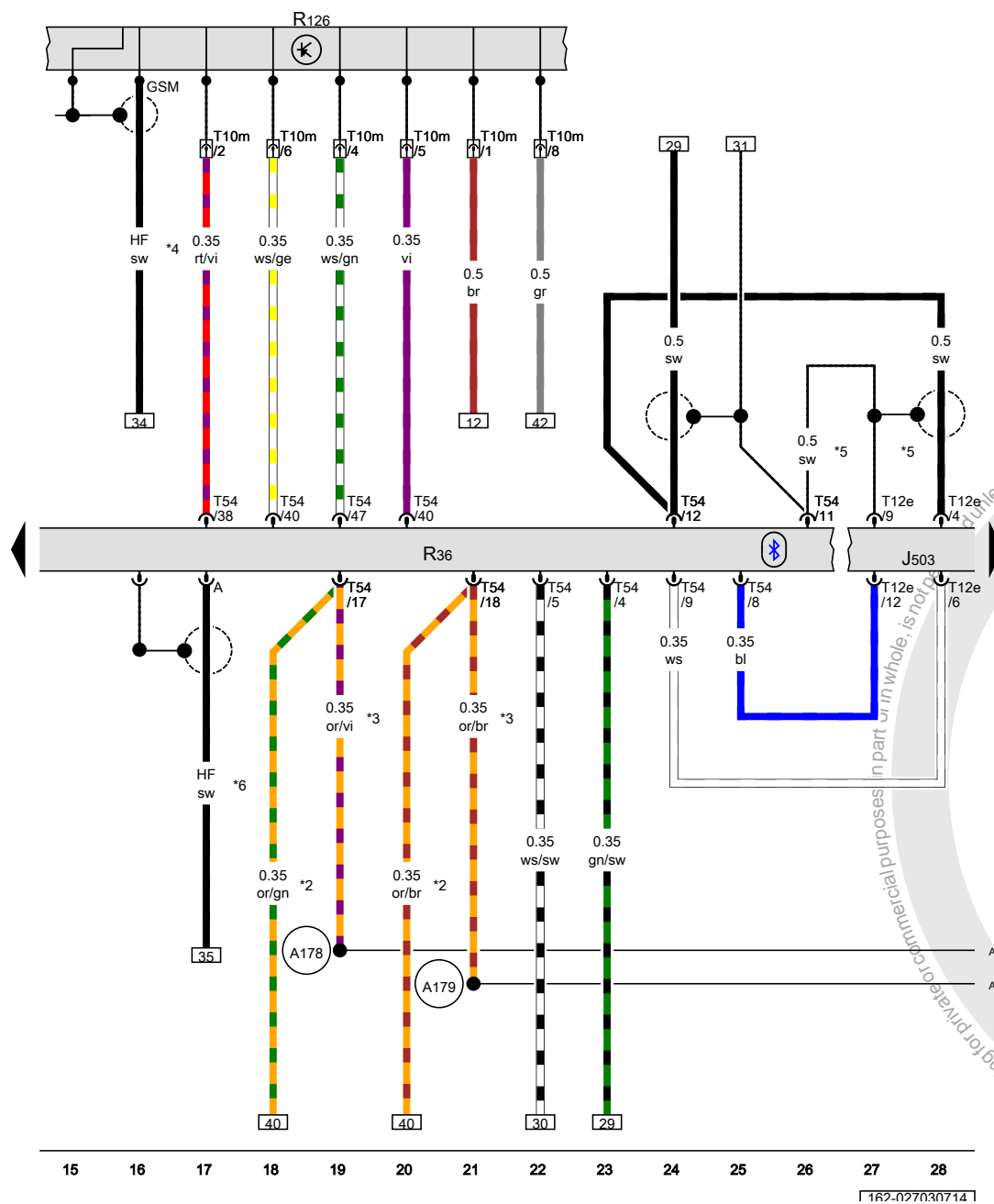
Control unit with display for radio and navigation, Telephone transmitter and receiver unit

- J503 Control unit with display for radio and navigation
- R36 Telephone transmitter and receiver unit
- R126 Telephone bracket
- T10m 10-pin connector
- T12e 12-pin connector
- T54 54-pin connector

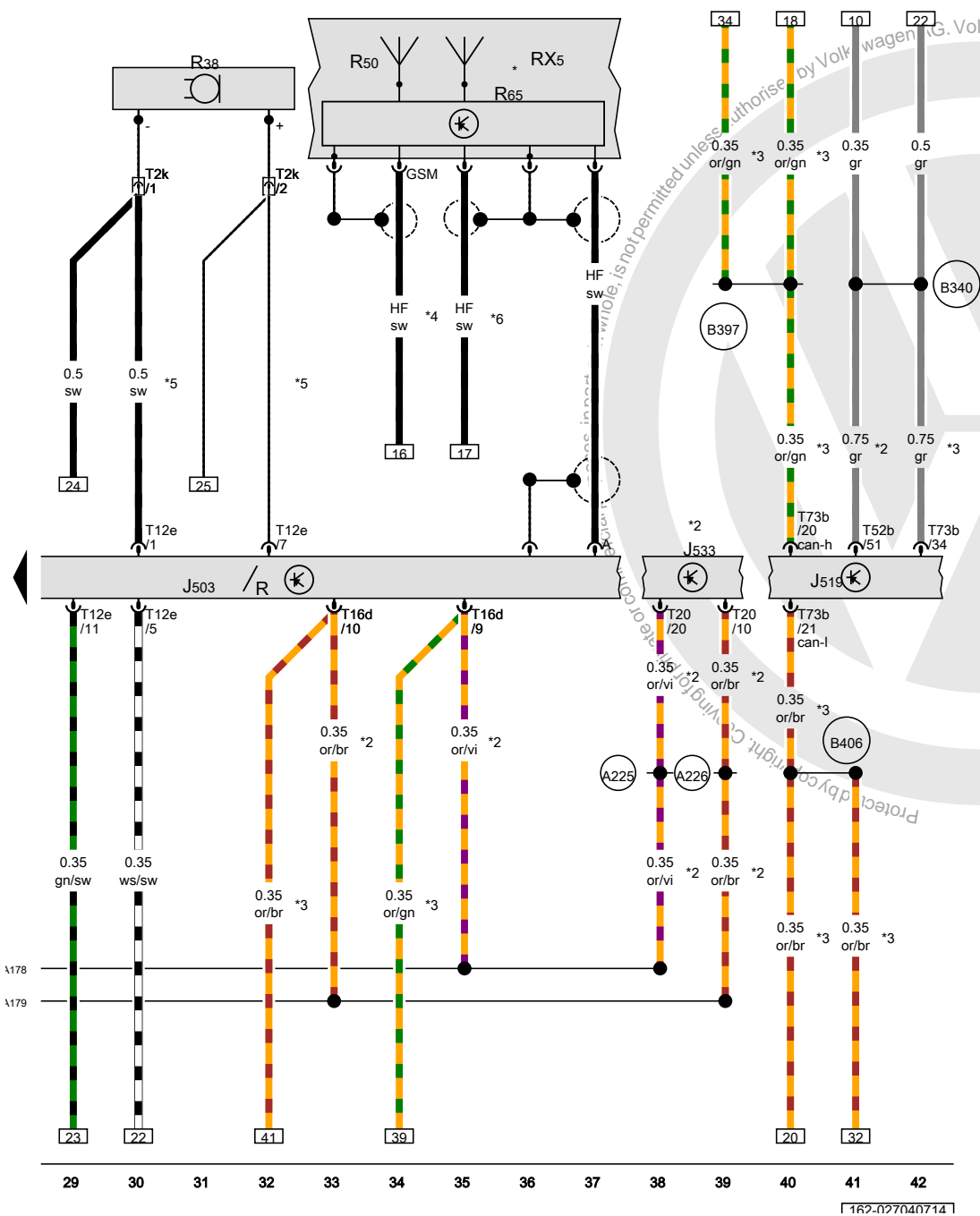
A178 Connection (infotainment CAN bus, high), in dash panel wiring harness

A179 Connection (infotainment CAN bus, low), in dash panel wiring harness

- * According to equipment
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with "High" equipment (AW1)
- *4 Only models with charger unit for telephone
- *5 Only models with radio navigation system and voice control
- *6 Only models with charger unit for telephone and mobile telephone operating electronics control unit



162-027030714



Control unit with display for radio and navigation, Onboard supply control unit, Data bus diagnostic interface, Radio, Roof aerial, Telephone microphone, GPS aerial, Telephone aerial

- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R Radio
- RX5 Roof aerial
- R38 Telephone microphone
- R50 GPS aerial
- R65 Telephone aerial
- T2k 2-pin connector, near front interior light
- T12e 12-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T52b 52-pin connector
- T73b 73-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

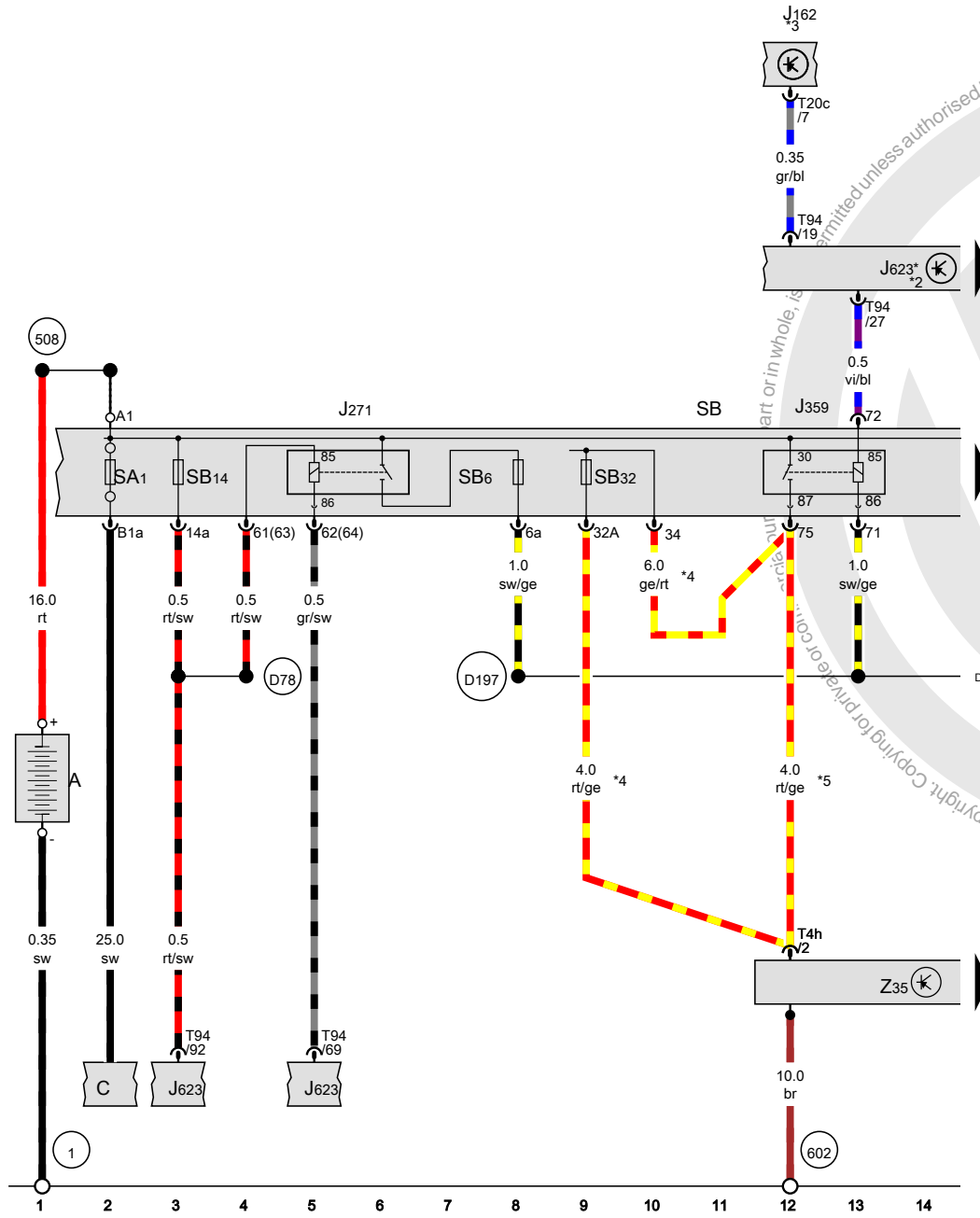
- * According to equipment
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)
- *4 Only models with charger unit for telephone
- *5 Only models with radio navigation system and voice control
- *6 Only models with charger unit for telephone and mobile telephone operating electronics control unit

Auxiliary air heater (PTC) , CAVA,CAVD,CAXA,CAYC,CBZA,CBZB,CFFB,CJAA,CLCA,CTHA,CTHD,(7E6)

From April 2010



Main relay, Low heat output relay, Auxiliary air heater element



- A Battery
 - C Alternator
 - J162 Heater control unit
 - J271 Main relay
 - J359 Low heat output relay
 - J623 Engine control unit
 - SA1 Fuse 1 in fuse holder A
 - SB Fuse holder B
 - SB6 Fuse 6 on fuse holder B
 - SB14 Fuse 14 on fuse holder B
 - SB32 Fuse 32 on fuse holder B
 - T4h 4-pin connector
 - T20c 20-pin connector
 - T94 94-pin connector
 - Z35 Auxiliary air heater element
- 1 Earth strap, battery - body
 - 508 Threaded connection (30) on E-box
 - 602 Earth point, in front left footwell
 - D78 Positive connection 1 (30a), in engine compartment wiring harness
 - D197 Connection 5 (87a) in engine compartment wiring harness
- * see applicable current flow diagram for engine
 - *2 Only models with diesel engine
 - *3 see applicable current flow diagram for manually controlled heater
 - *4 gradual introduction
 - *5 Gradually discontinued

- ws = white
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162-028021214

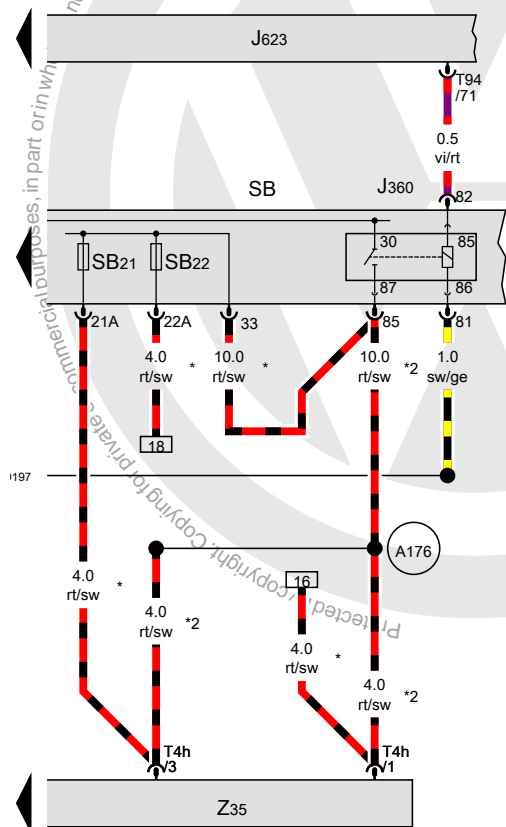
High heat output relay, Auxiliary air heater element

- J360 High heat output relay
- J623 Engine control unit
- SB Fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T4h 4-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

A176 Connection (auxiliary heater), in dash panel wiring harness

D197 Connection 5 (87a) in engine compartment wiring harness

- * gradual introduction
- *2 Gradually discontinued



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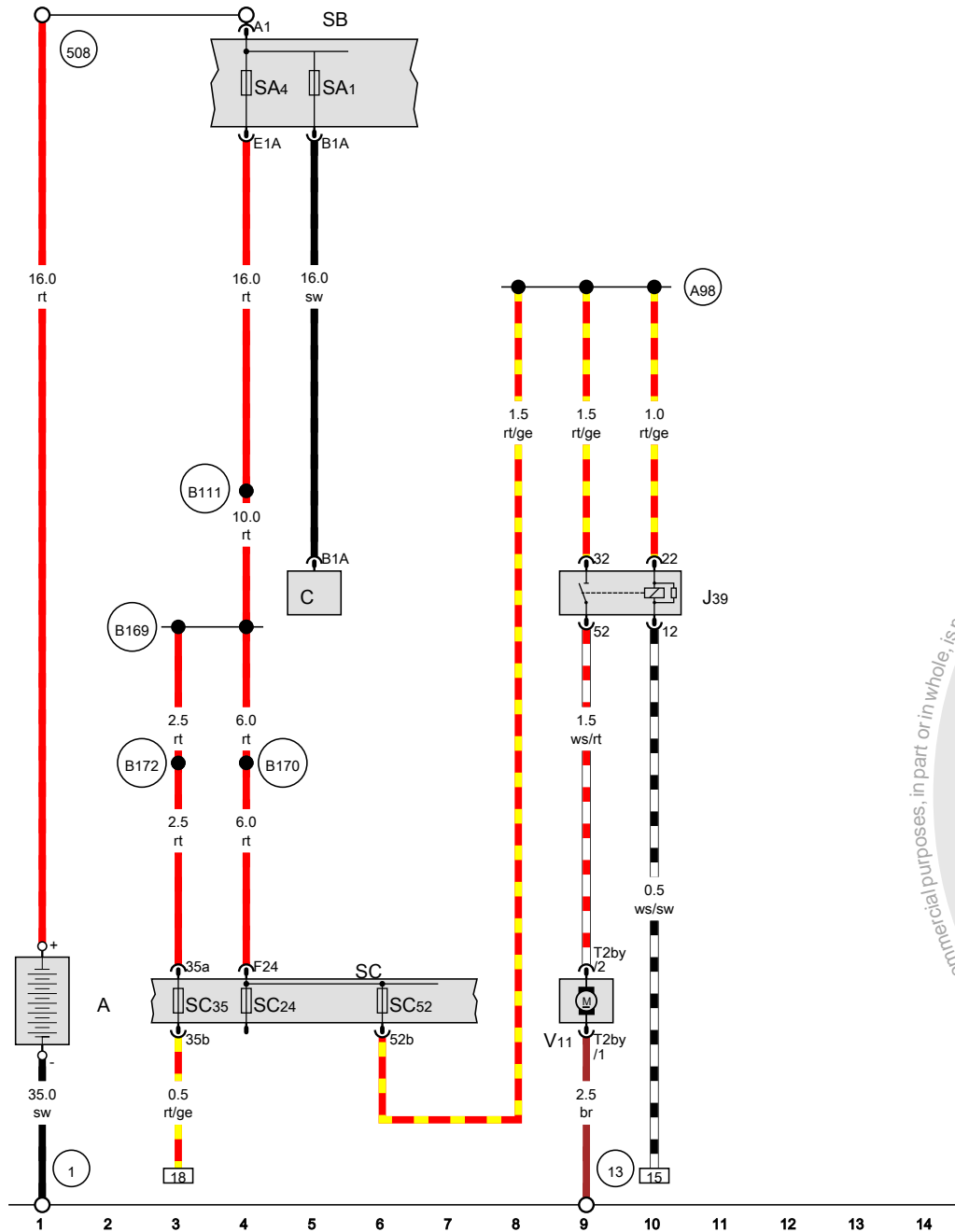
15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-028031214

Headlight washer system , (8X1)

From April 2010





Headlight washer system relay, Headlight washer system pump

- A Battery
- C Alternator
- J39 Headlight washer system relay
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T2by 2-pin connector
- V11 Headlight washer system pump

- 1 Earth strap, battery - body
- 13 Earth point, on right in engine compartment
- 508 Threaded connection (30) on E-box
- A98 Positive connection 4 (30), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness

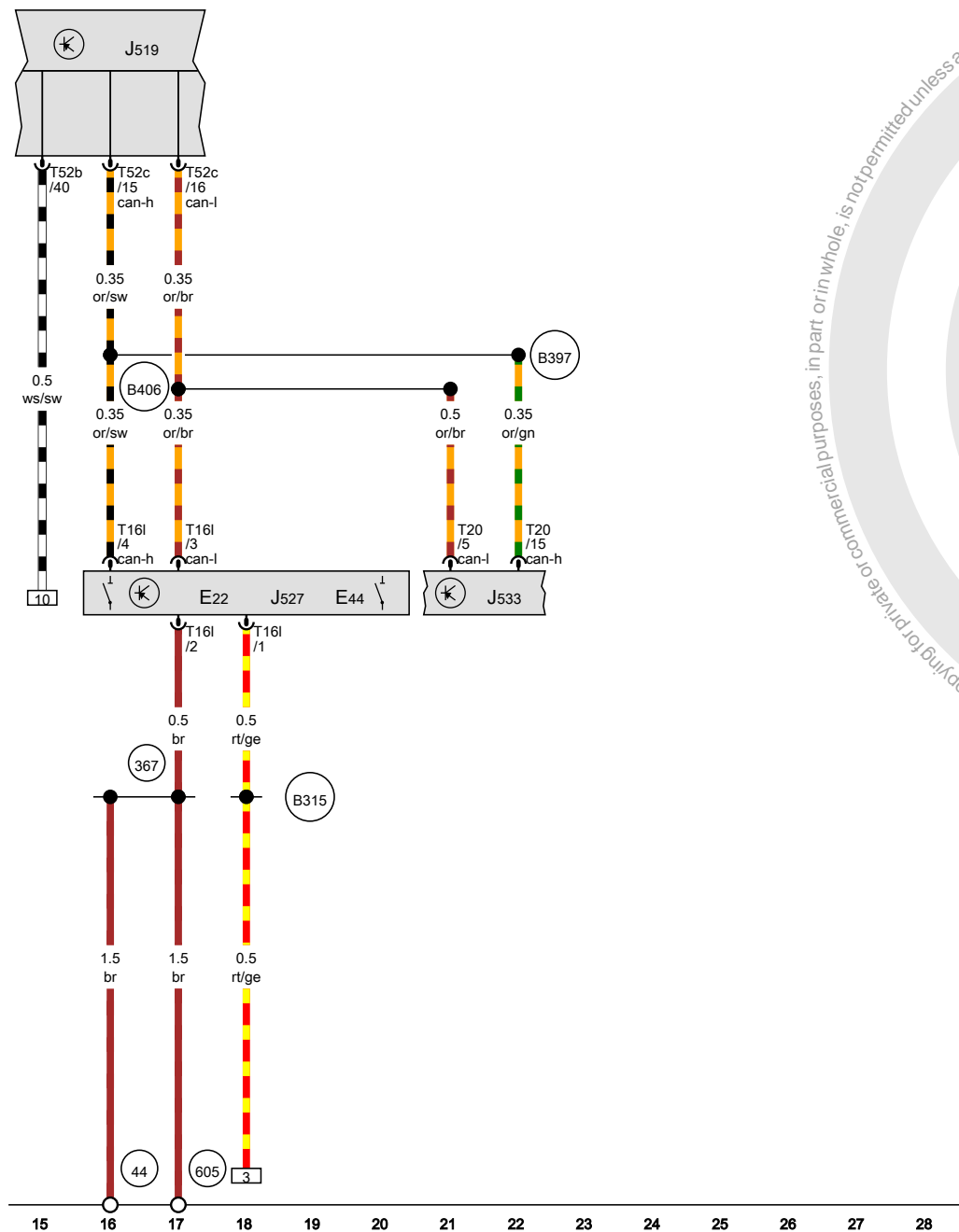
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- ge = yellow
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162-029021214

Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface

- E22 Intermittent wiper switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- T161 16-pin connector
- T20 20-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B315 Positive connection 1 (30a) in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness



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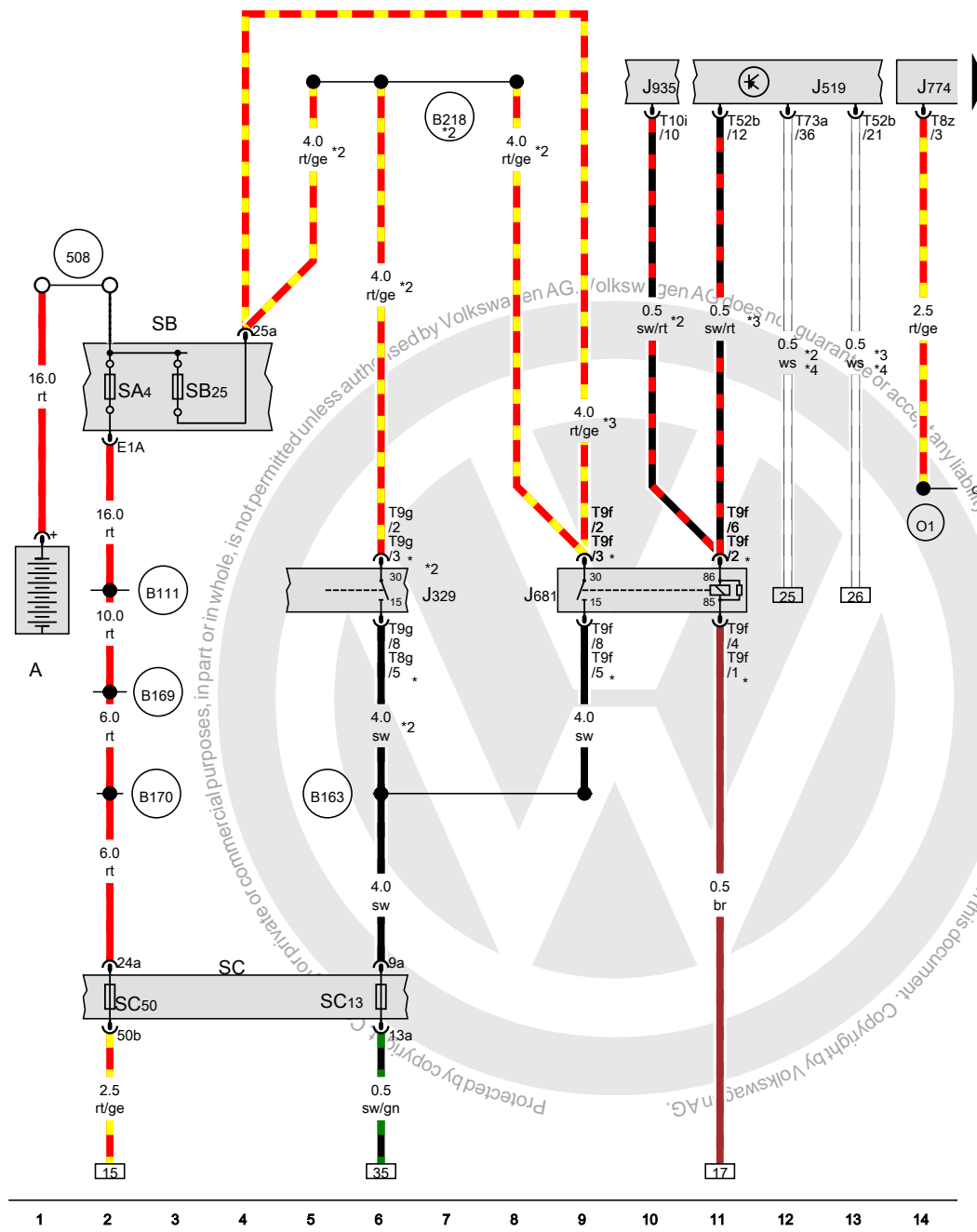
162-029031214

Heated seats , (4A3)

From April 2010



Onboard supply control unit, Heated front seats control unit, Fuse holder B, Fuse holder C



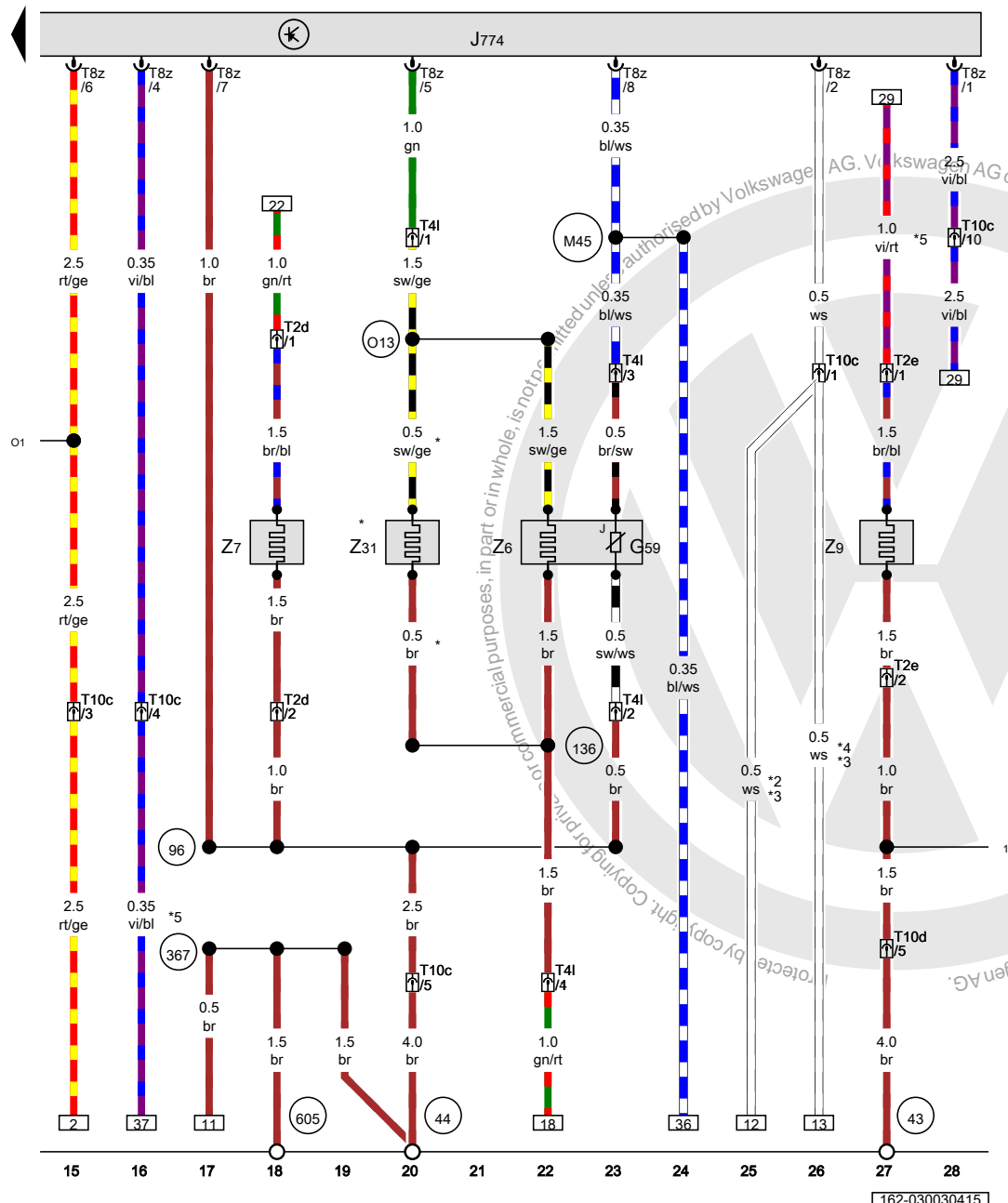
- A Battery
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J774 Heated front seats control unit
- J935 Converter box
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- T8z 8-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T10i 10-pin connector
- T52b 52-pin connector
- T73a 73-pin connector
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- O1 Positive connection (30), in seat heating wiring harness

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- * gradual introduction
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with "High" equipment (AW1)
- *4 Cross section depends on equipment

162-030020415

Driver seat temperature sensor, Heated front seats control unit, Heated backrest for driver seat, Heated backrest for front passenger seat



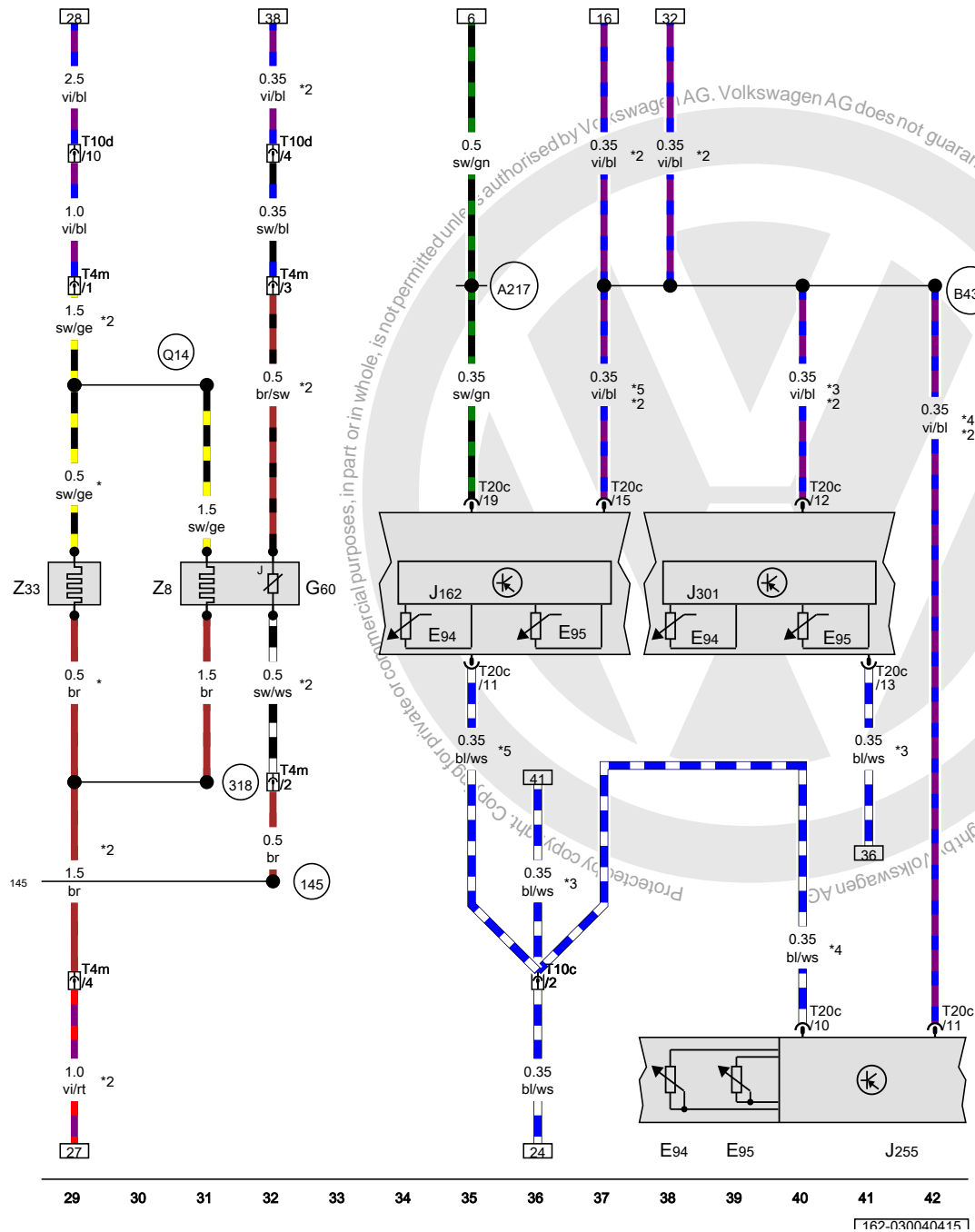
- G59 Driver seat temperature sensor
- J774 Heated front seats control unit
- T2d 2-pin connector
- T2e 2-pin connector
- T4l 4-pin connector
- T8z 8-pin connector
- T10c 10-pin connector, under driver seat
- T10d 10-pin connector, under front passenger seat
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- Z9 Heated backrest for front passenger seat
- Z31 Driver seat cushion lateral support heater

- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 96 Earth connection 1, in seat heating wiring harness
- 136 Earth connection 2, in seat heating wiring harness
- 145 Earth connection 3, in seat heating wiring harness
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- M45 Connection 5, in driver seat wiring harness
- O1 Positive connection (30), in seat heating wiring harness
- O13 Connection 2, in seat heating wiring harness

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- rs = pink

- * Gradually discontinued
- *2 Only models with "Low" equipment (AW0)
- *3 Cross section depends on equipment
- *4 Only models with "High" equipment (AW1)
- *5 Wiring colour depends on equipment

162-030030415



Heated driver seat regulator, Heated front passenger seat regulator, Front passenger seat temperature sensor

- E94 Heated driver seat regulator
- E95 Heated front passenger seat regulator
- G60 Front passenger seat temperature sensor
- J162 Heater control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- T4m 4-pin connector
- T10c 10-pin connector, under driver seat
- T10d 10-pin connector, under front passenger seat
- T20c 20-pin connector
- Z8 Heated seat cushion for front passenger seat
- Z33 Front passenger seat lateral support heater

- 145 Earth connection 3, in seat heating wiring harness
- 318 Earth connection 4, in seat heating wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B431 Connection (seat heating), in main wiring harness
- Q14 Connection (inhibitor switch), in window regulator/ central locking system and door contact switch wiring harness

- * Gradually discontinued
- *2 Wiring colour depends on equipment
- *3 Only models with Climatronic
- *4 Only models with Climatronic
- *5 Only models with no air conditioning system

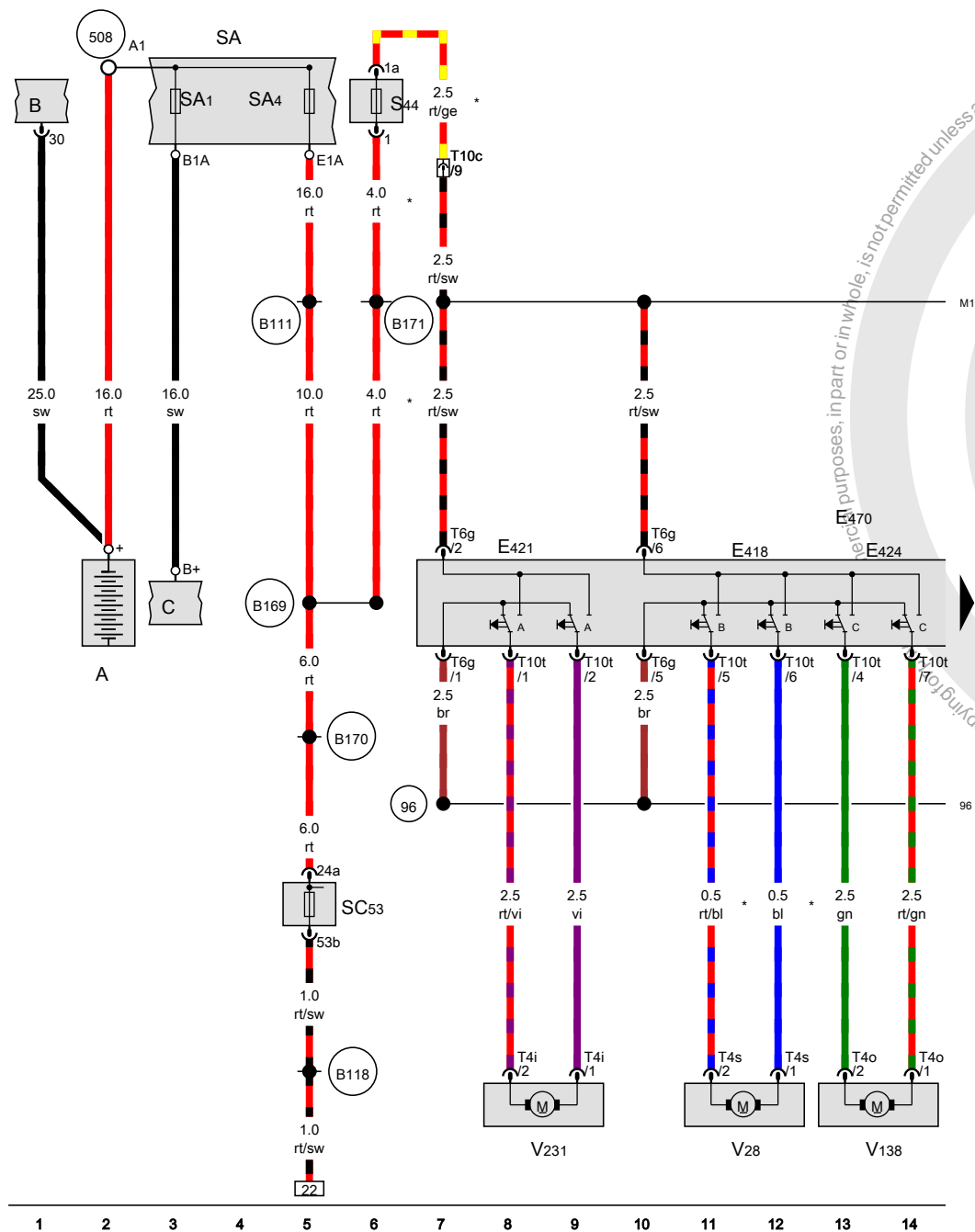
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- vi = purple
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162-030040415

Electric seat adjustment with no memory function , (3PB),(3PZ)

From April 2010





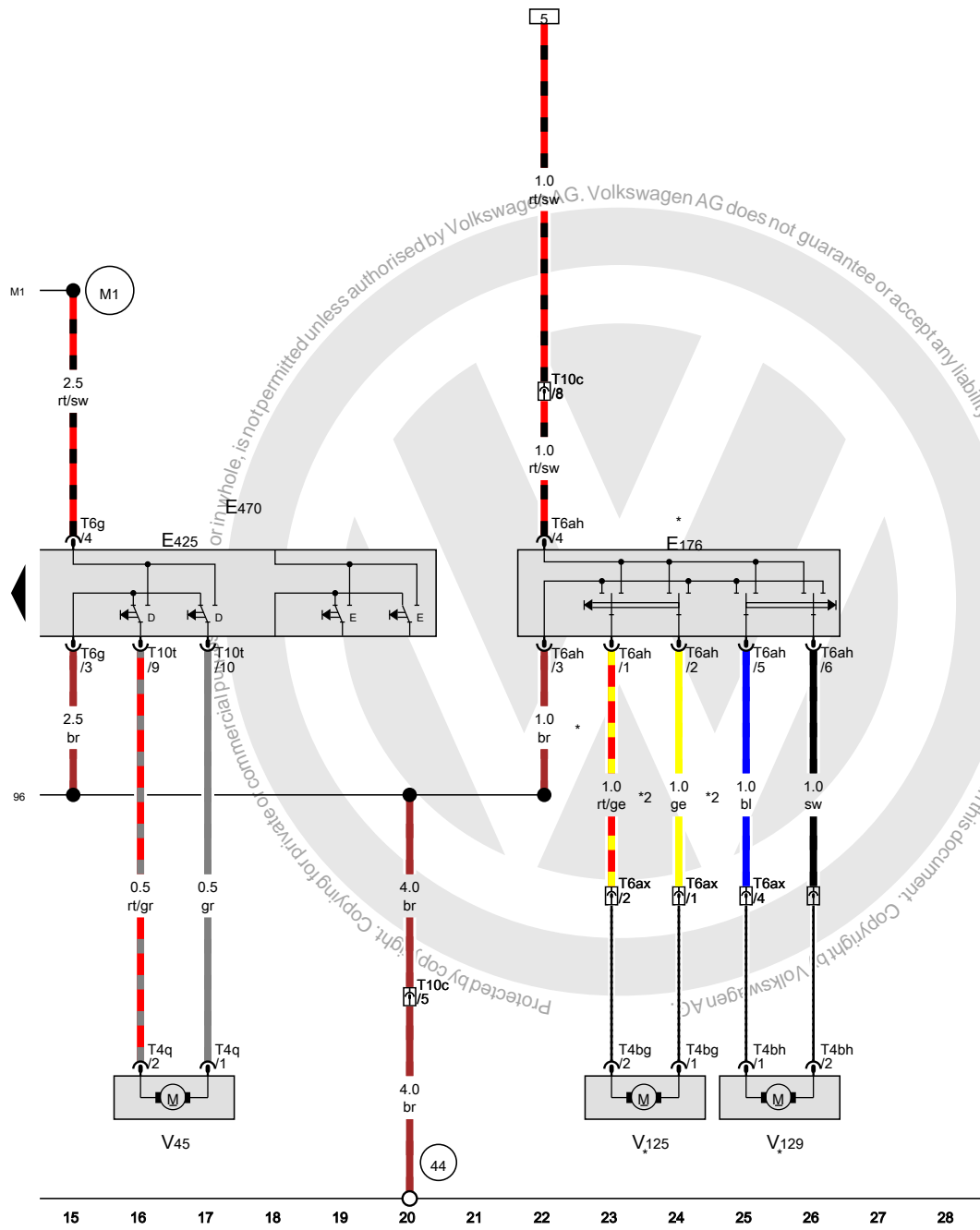
Battery, Starter, Alternator, Seat longitudinal adjustment button, Seat height adjustment button, Driver seat adjustment operating unit, Fuse holder A, Fuse 53 on fuse holder C, Driver seat longitudinal adjustment motor, Driver seat height adjustment motor, Seat rake adjustment motor

- A Battery
- B Starter
- C Alternator
- E418 Seat longitudinal adjustment button
- E421 Rake adjustment button
- E424 Seat height adjustment button
- E470 Driver seat adjustment operating unit
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- S44 Driver seat adjustment thermal fuse 1
- SC53 Fuse 53 on fuse holder C
- T4i 4-pin connector
- T4o 4-pin connector
- T4s 4-pin connector
- T6g 6-pin connector
- T10c 10-pin connector, under driver seat
- T10t 10-pin connector
- V28 Driver seat longitudinal adjustment motor
- V138 Driver seat height adjustment motor
- V231 Seat rake adjustment motor

- 96 Earth connection 1, in seat heating wiring harness
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B118 Connection (driver side seat adjustment), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- M1 Positive connection 1 (30), in seat adjustment wiring harness

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* Wiring colour depends on equipment



Driver seat lumbar support adjustment switch, Backrest adjustment button, Driver seat adjustment operating unit, Driver seat backrest adjustment motor, Driver seat lumbar support longitudinal adjustment motor, Driver seat lumbar support height adjustment motor

- E176 Driver seat lumbar support adjustment switch
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- T4bg 4-pin connector
- T4bh 4-pin connector
- T4n 4-pin connector
- T4q 4-pin connector
- T6ah 6-pin connector
- T6ax 6-pin connector
- T6g 6-pin connector
- T10c 10-pin connector, under driver seat
- T10t 10-pin connector
- V45 Driver seat backrest adjustment motor
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor

- 44 Earth point, lower part of left A-pillar
- 96 Earth connection 1, in seat heating wiring harness
- M1 Positive connection 1 (30), in seat adjustment wiring harness

* According to equipment
 *2 Wiring colour depends on equipment

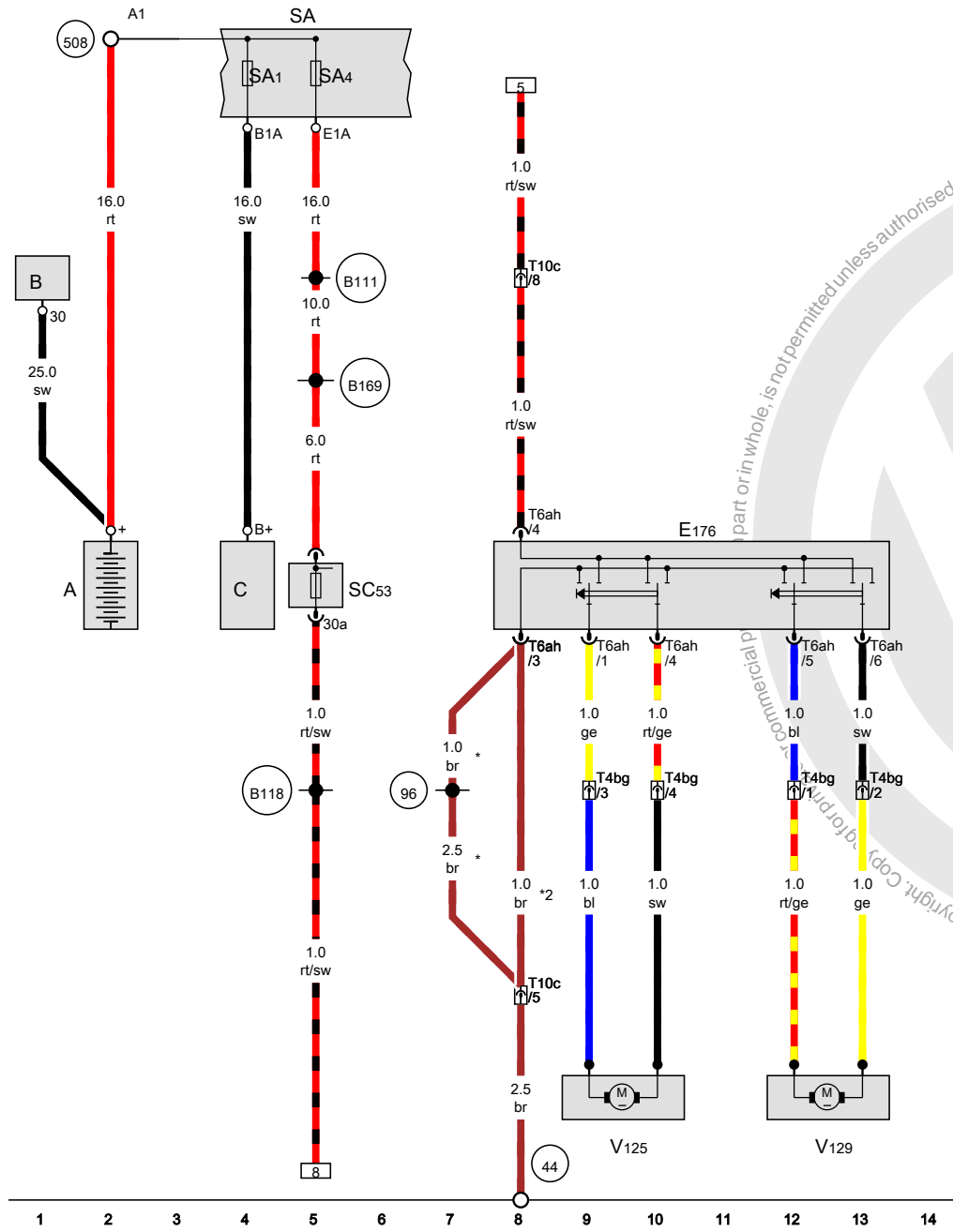
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- sw = black
- ro = red
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- ge = yellow
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- rs = pink

162-031030415

Adjustable lumbar support , (7P7)

From April 2010





Driver seat lumbar support adjustment switch, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 53 on fuse holder C, Driver seat lumbar support longitudinal adjustment motor, Driver seat lumbar support height adjustment motor

- A Battery
- B Starter
- C Alternator
- E176 Driver seat lumbar support adjustment switch
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SC53 Fuse 53 on fuse holder C
- T4bg 4-pin connector, in driver seat armrest
- T6ah 6-pin connector
- T10c 10-pin connector, under driver seat
- V125 Driver seat lumbar support longitudinal adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- 44 Earth point, lower part of left A-pillar
- 96 Earth connection 1, in seat heating wiring harness
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B118 Connection (driver side seat adjustment), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- * Only models with seat heating
- *2 Only models with no seat heating

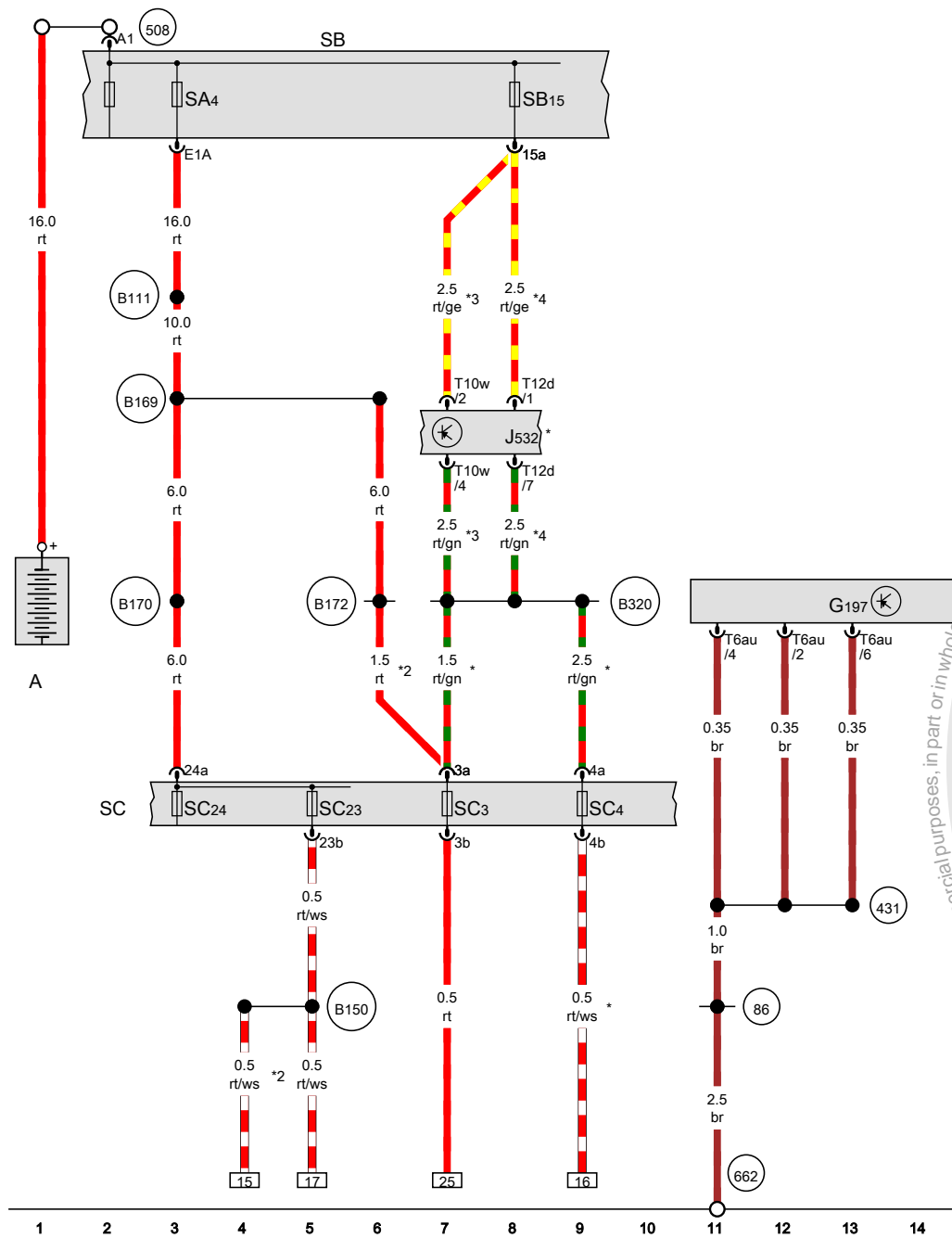
- ws = white
- ro = red
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- gr = grey
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162-032020415

Compass , (QR1)
From April 2010



Battery, Magnetic field sender for compass, Voltage stabiliser, Fuse holder B, Fuse holder C



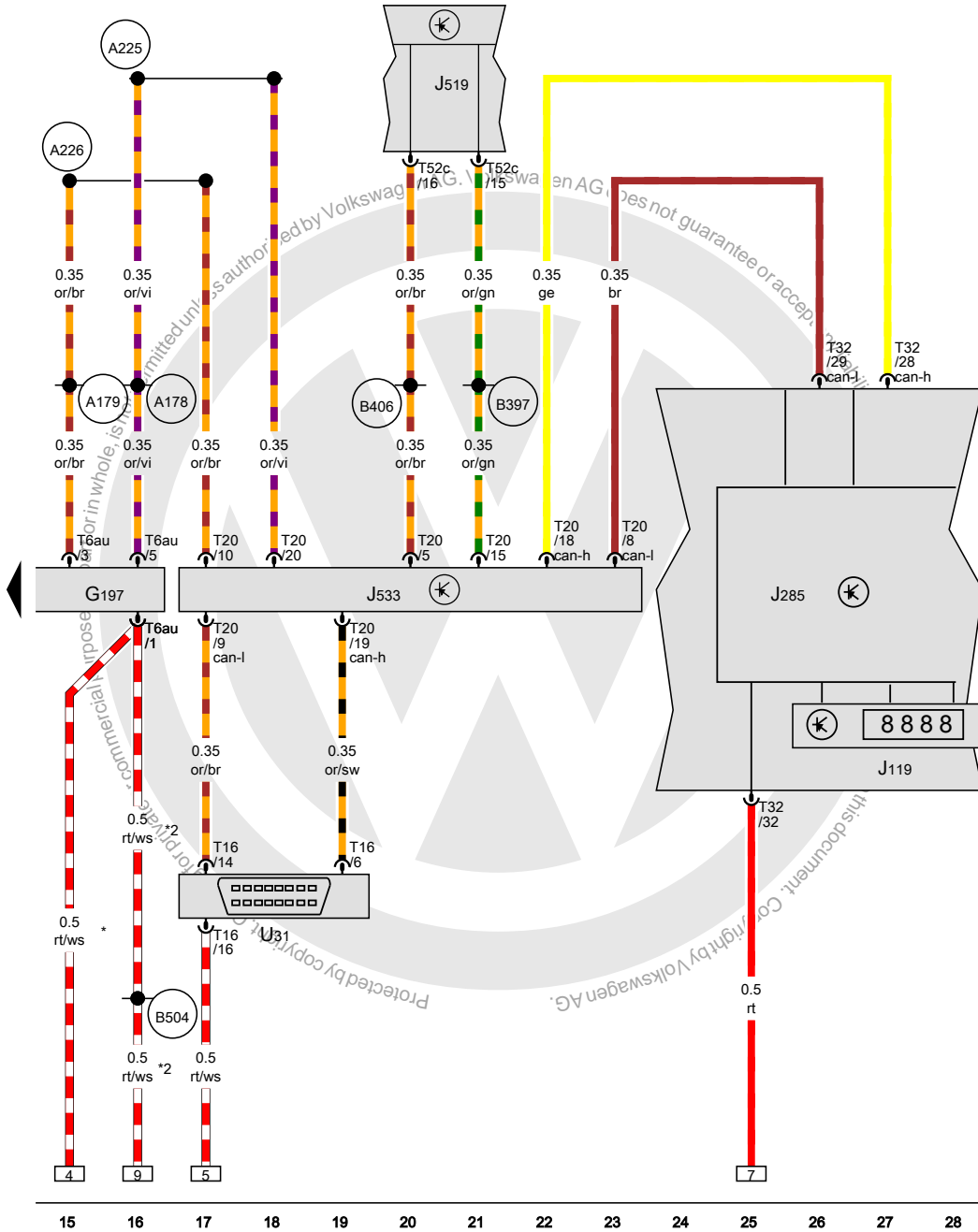
- A Battery
- G197 Magnetic field sender for compass
- J532 Voltage stabiliser
- SB Fuse holder B
- SC3 Fuse 3 on fuse holder C
- SC4 Fuse 4 on fuse holder C
- SA4 Fuse 4 in fuse holder A
- SB15 Fuse 15 on fuse holder B
- SC Fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- T6au 6-pin connector
- T10w 10-pin connector
- T12d 12-pin connector

- 86 Earth connection 1, in rear wiring harness
- 431 Earth connection 2, in roof wiring harness
- 508 Threaded connection (30) on E-box
- 662 Earth point, rear left side panel
- B111 Positive connection 1 (30a), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness

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- * Only models with stop/start system
- *2 Only models with no start/stop system
- *3 Gradually discontinued
- *4 gradual introduction

162-033021214



Magnetic field sender for compass, Multifunction indicator, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- G197 Magnetic field sender for compass
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T6au 6-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- U31 Diagnostic connection

- (A178) Connection (infotainment CAN bus, high), in dash panel wiring harness
- (A179) Connection (infotainment CAN bus, low), in dash panel wiring harness
- (A225) Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- (A226) Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B504) Positive connection 8 (30a), in interior wiring harness
- * Only models with no start/stop system
- *2 Only models with stop/start system

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162-033031214

Airbag systems with no rear side airbags , (4X1),(4X3)

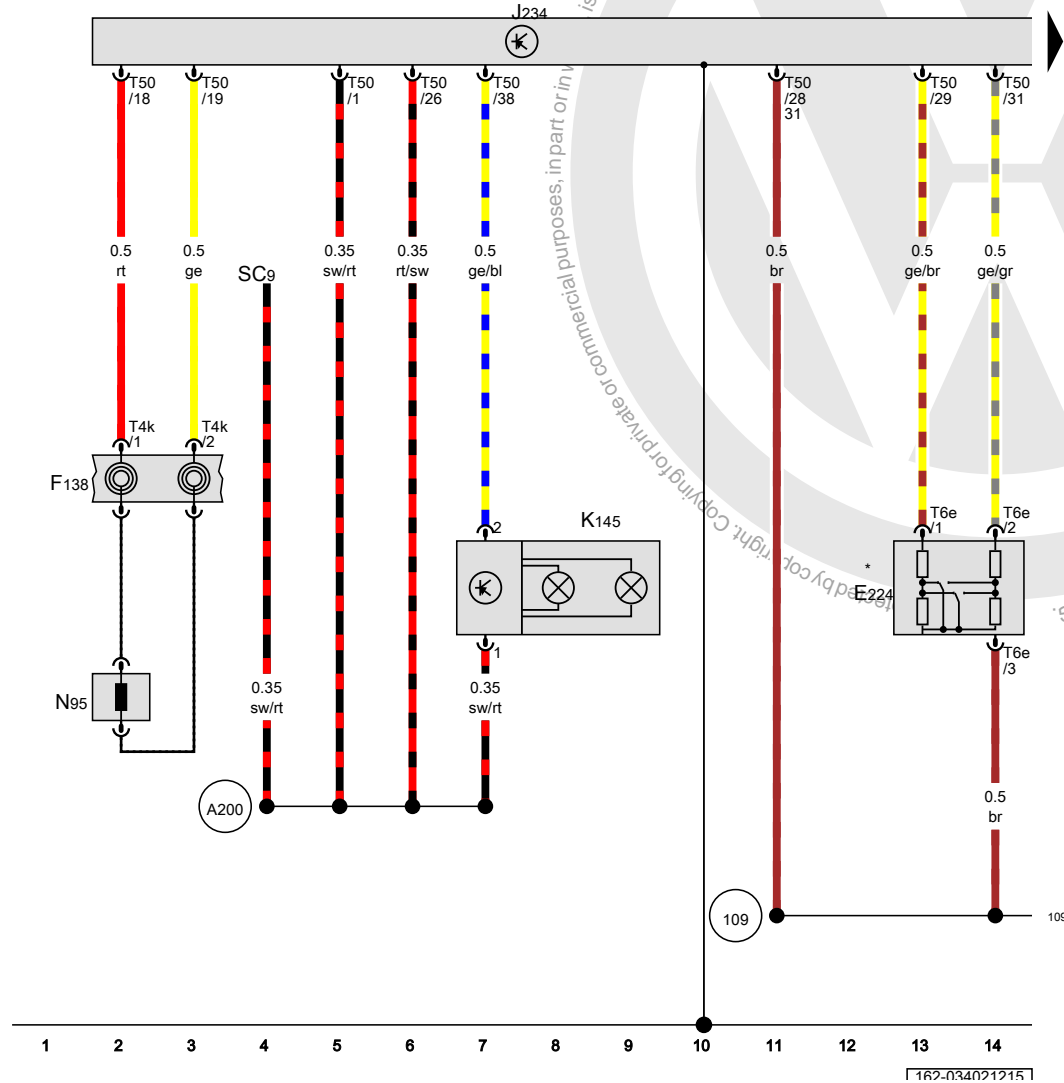
From April 2010



Key operated switch to deactivate front passenger side airbag, Airbag control unit, Front passenger side airbag deactivated warning lamp, Driver side airbag igniter

- E224 Key operated switch to deactivate front passenger side airbag
- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- K145 Front passenger side airbag deactivated warning lamp
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- T4k 4-pin connector
- T6e 6-pin connector
- T50 50-pin connector

- 109 Earth connection, in airbag wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- * Country specific



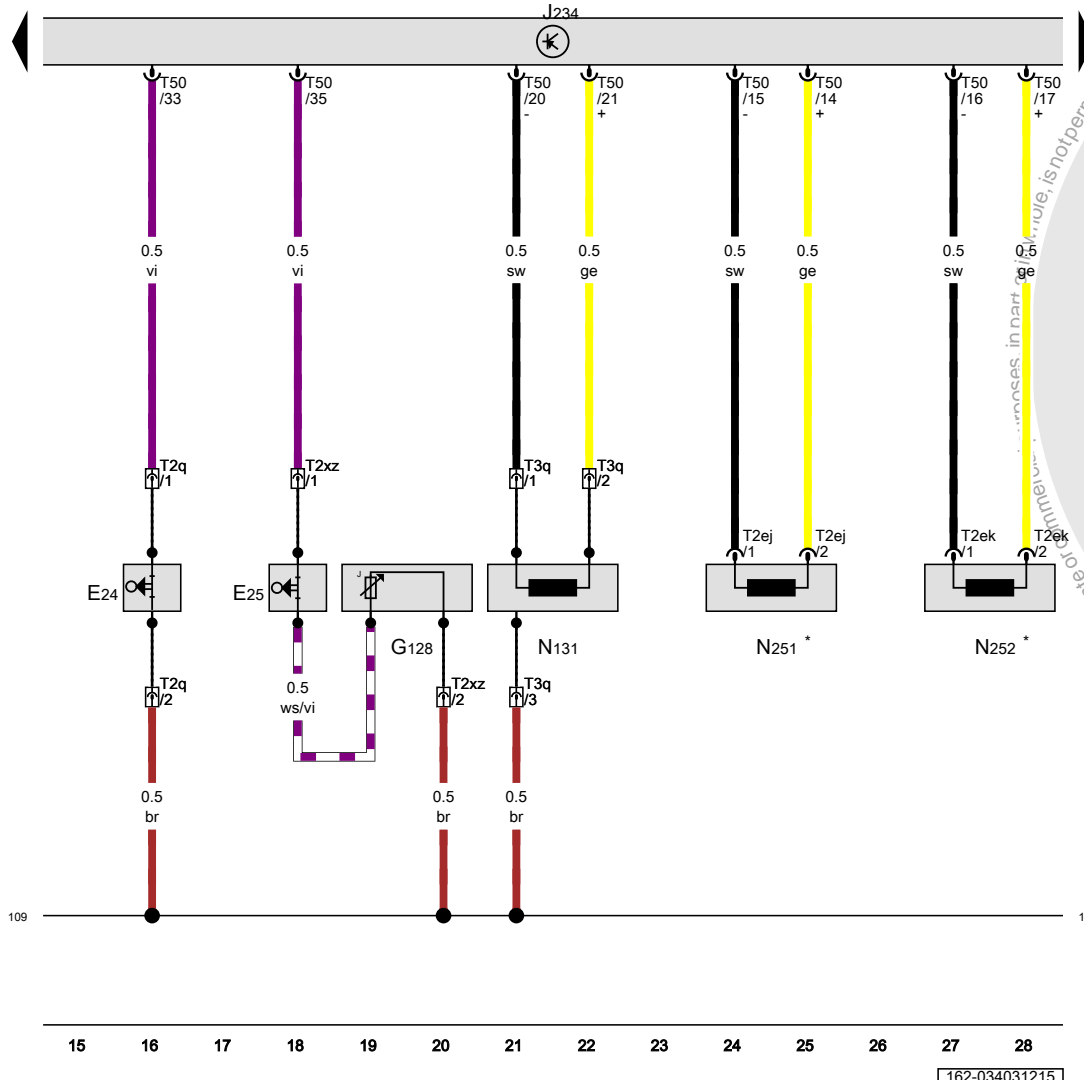
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162-034021215

Driver side belt switch, Front passenger side belt switch, Airbag control unit, Front passenger side airbag igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- E24 Driver side belt switch
- E25 Front passenger side belt switch
- G128 Seat occupied sensor, front passenger side
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ej 2-pin connector
- T2ek 2-pin connector
- T2q 2-pin connector
- T2xz 2-pin connector
- T3q 3-pin connector
- T50 50-pin connector

- 109 Earth connection, in airbag wiring harness
- * Only models with curtain/head airbag



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162-034031215

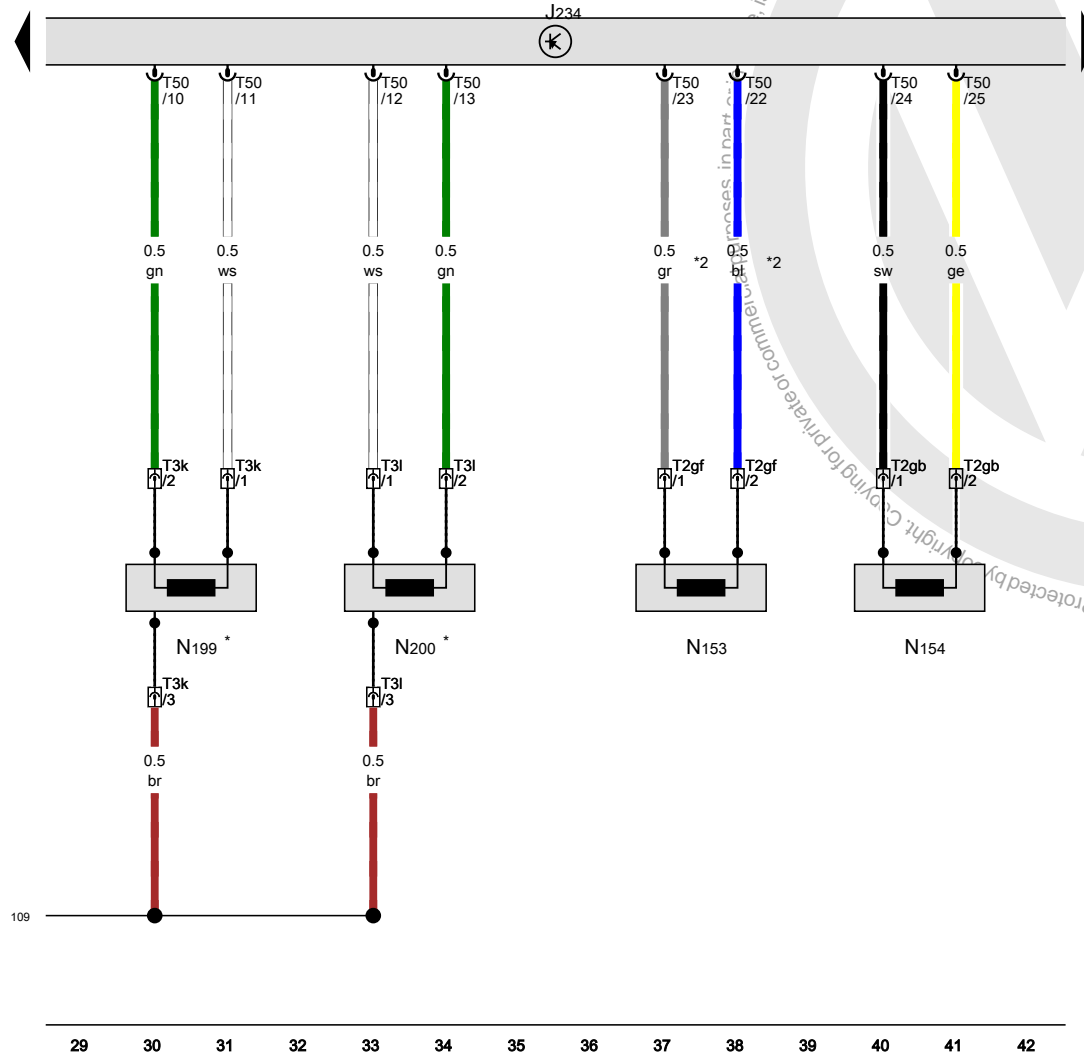
Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T2gb 2-pin connector
- T2gf 2-pin connector
- T3k 3-pin connector
- T3l 3-pin connector
- T50 50-pin connector

109 Earth connection, in airbag wiring harness

* Only models with side airbags

*2 Wiring colour depends on equipment

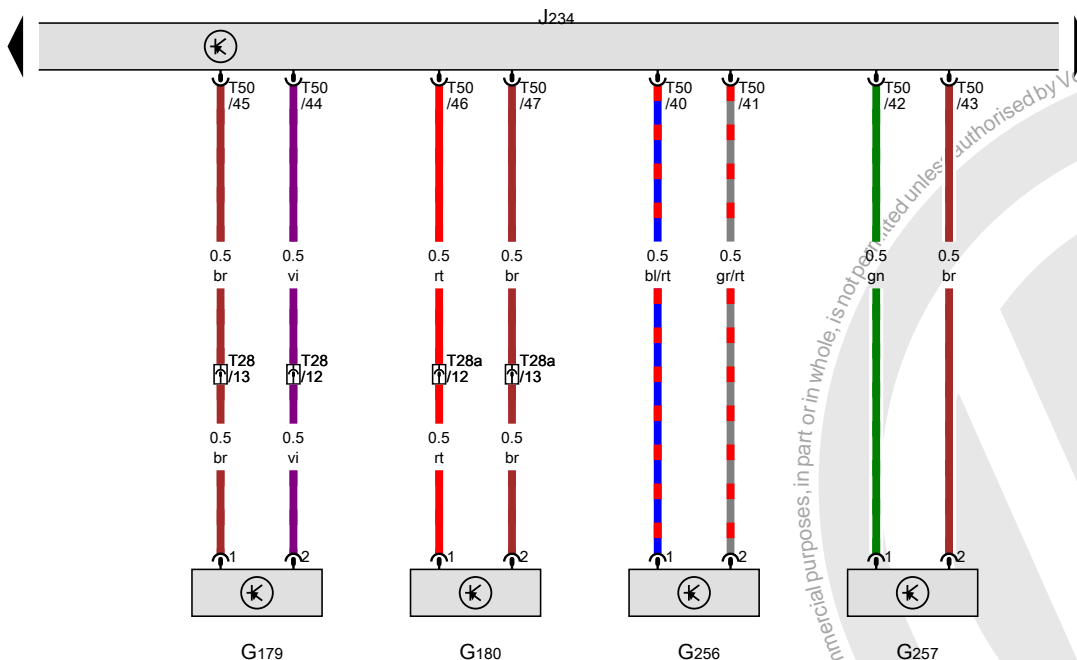


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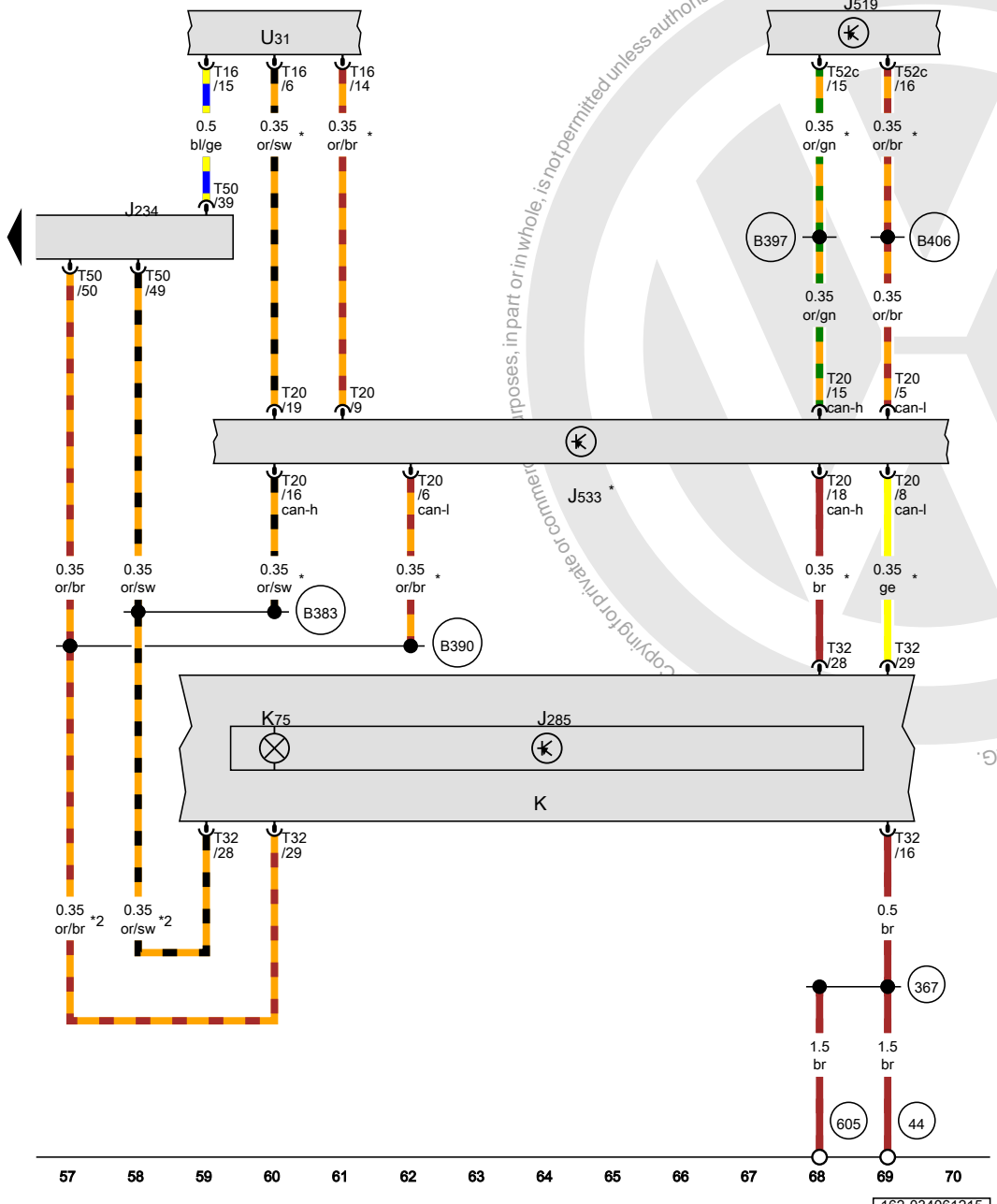
162-034041215

Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Airbag control unit

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on front passenger side
- J234 Airbag control unit
- T28 28-pin connector, on left A-pillar
- T28a 28-pin connector, on right A-pillar
- T50 50-pin connector



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- rs = pink



Airbag control unit, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Dash panel insert

- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K75 Airbag warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T50 50-pin connector
- T52c 52-pin connector
- U31 Diagnostic connection

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

* Only models with "High" equipment (AW1)
 *2 Only models with "Low" equipment (AW0)

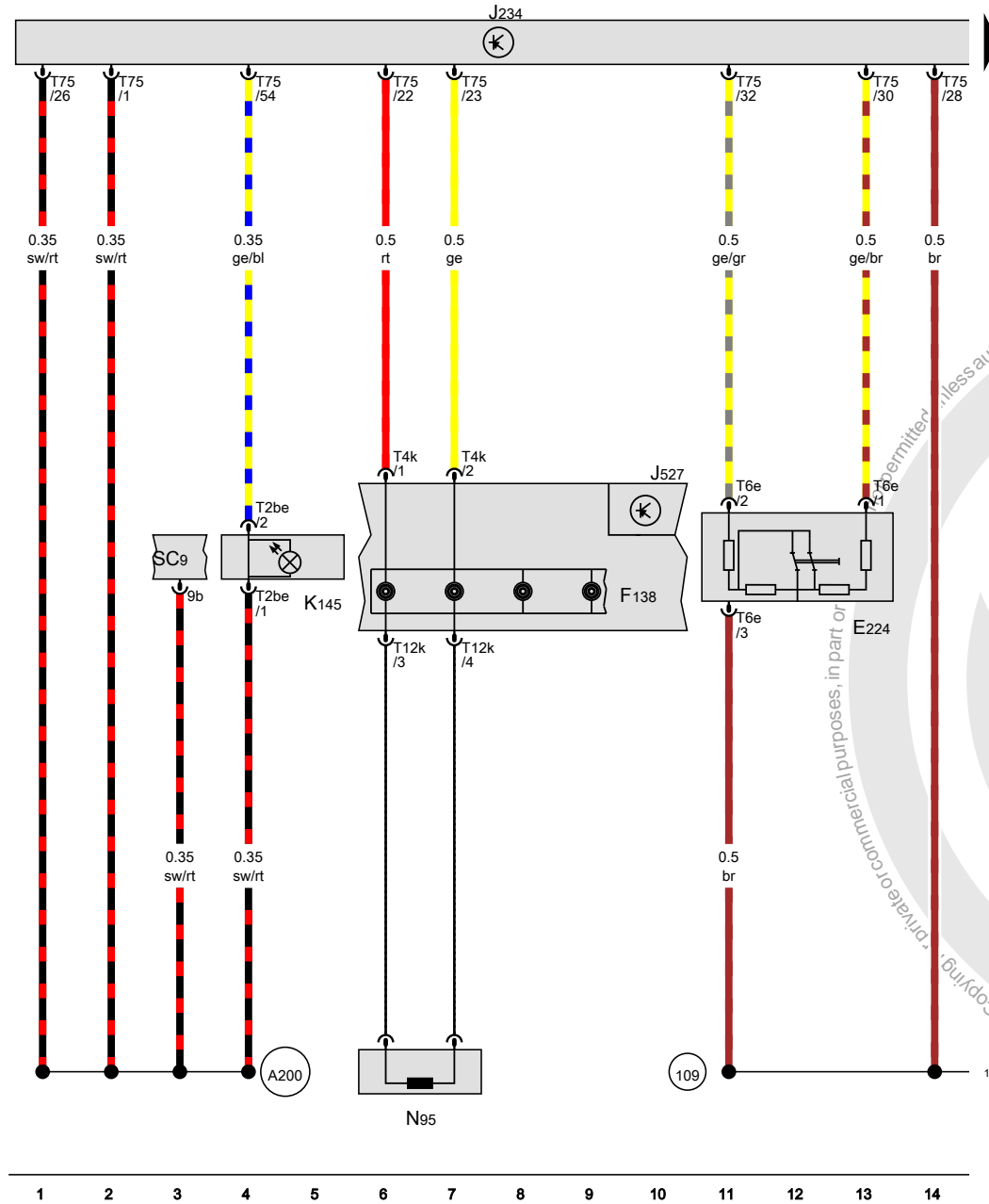
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162-034061215

Airbag systems with rear side airbags , (4X4)

From March 2010



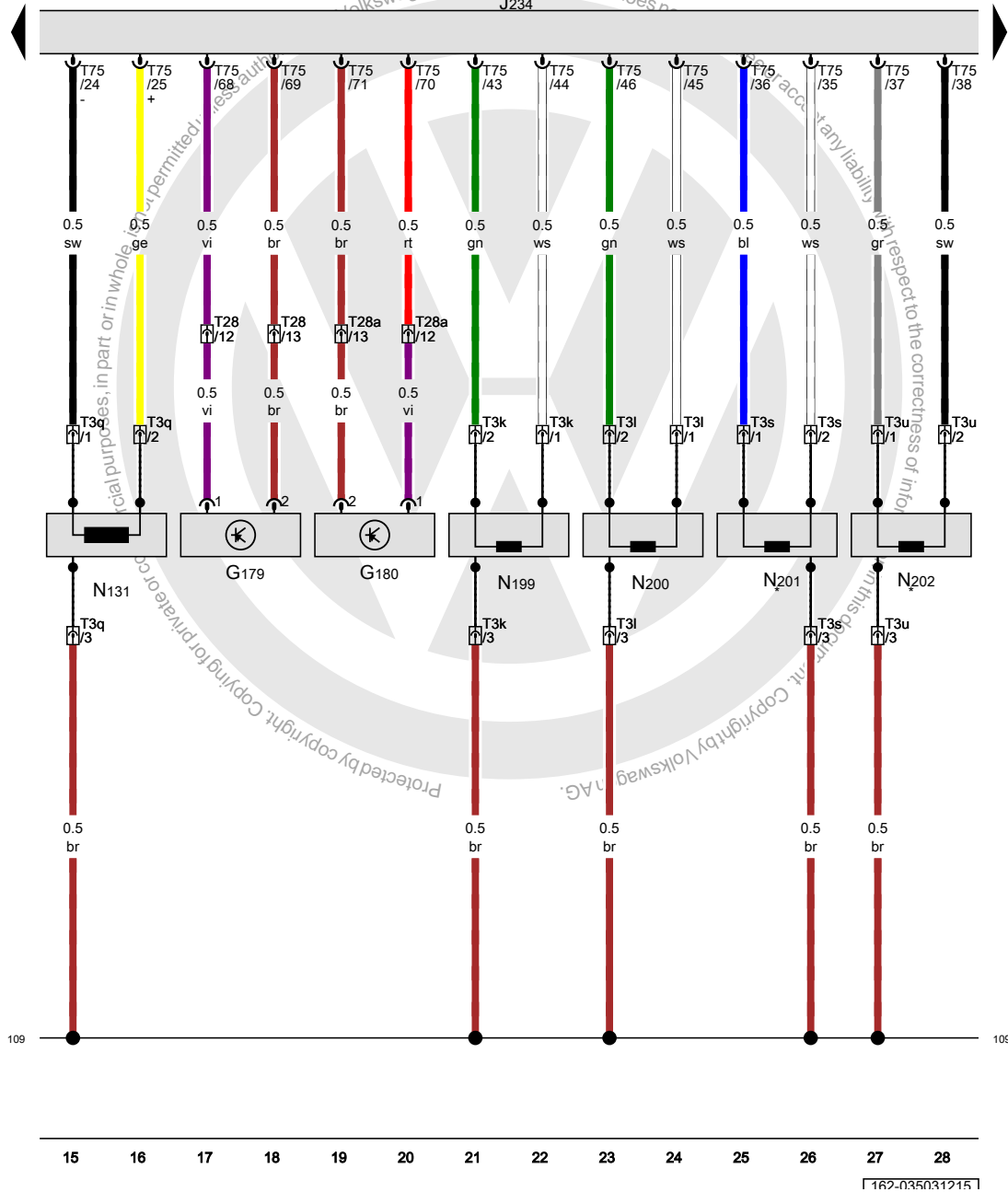


Key operated switch to deactivate front passenger side airbag, Airbag coil connector and return ring with slip ring, Airbag control unit, Steering column electronics control unit, Front passenger side airbag deactivated warning lamp, Driver side airbag igniter

- E224 Key operated switch to deactivate front passenger side airbag
- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- J527 Steering column electronics control unit
- K145 Front passenger side airbag deactivated warning lamp
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- T2be 2-pin connector
- T4k 4-pin connector
- T6e 6-pin connector
- T12k 12-pin connector
- T75 75-pin connector

- 109 Earth connection, in airbag wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



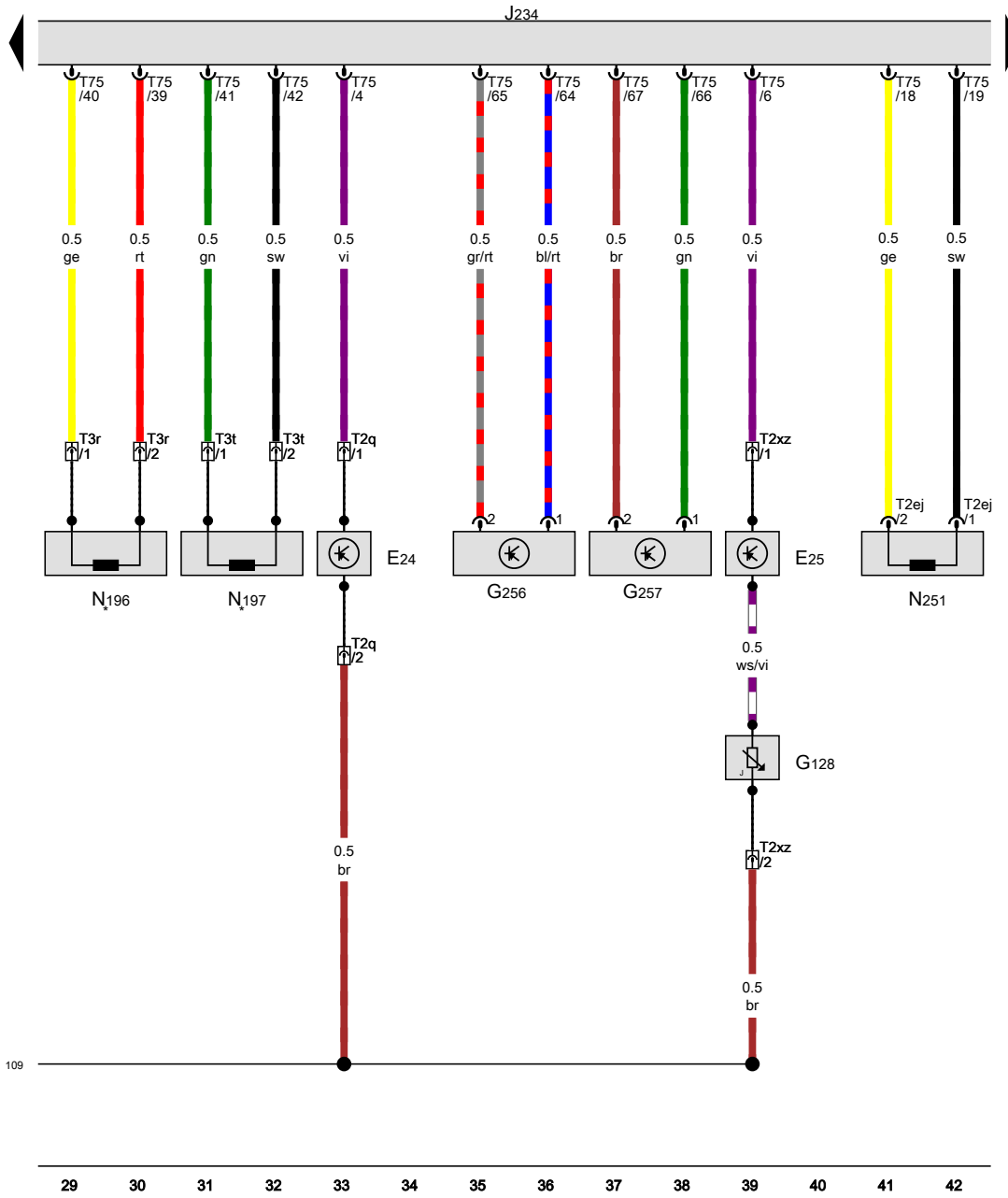
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit, Front passenger side airbag igniter 1, Side airbag igniter on front passenger side, Rear side airbag igniter on front passenger side

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- N201 Rear side airbag igniter on driver side
- N202 Rear side airbag igniter on front passenger side
- T3k 3-pin connector, under driver seat
- T3l 3-pin connector, under front passenger seat
- T3q 3-pin connector
- T3s 3-pin connector
- T3u 3-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T75 75-pin connector

109 Earth connection, in airbag wiring harness

* According to equipment

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Driver side belt switch, Front passenger side belt switch, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Airbag control unit, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on front passenger side, Driver side curtain airbag igniter

- E24 Driver side belt switch
- E25 Front passenger side belt switch
- G128 Seat occupied sensor, front passenger side
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on front passenger side
- J234 Airbag control unit
- N196 Rear belt tensioner igniter on driver side
- N197 Rear belt tensioner igniter on front passenger side
- N251 Driver side curtain airbag igniter
- T2ej 2-pin connector
- T2q 2-pin connector, under driver seat
- T2xz 2-pin connector, under front passenger seat
- T3r 3-pin connector
- T3t 3-pin connector
- T75 75-pin connector

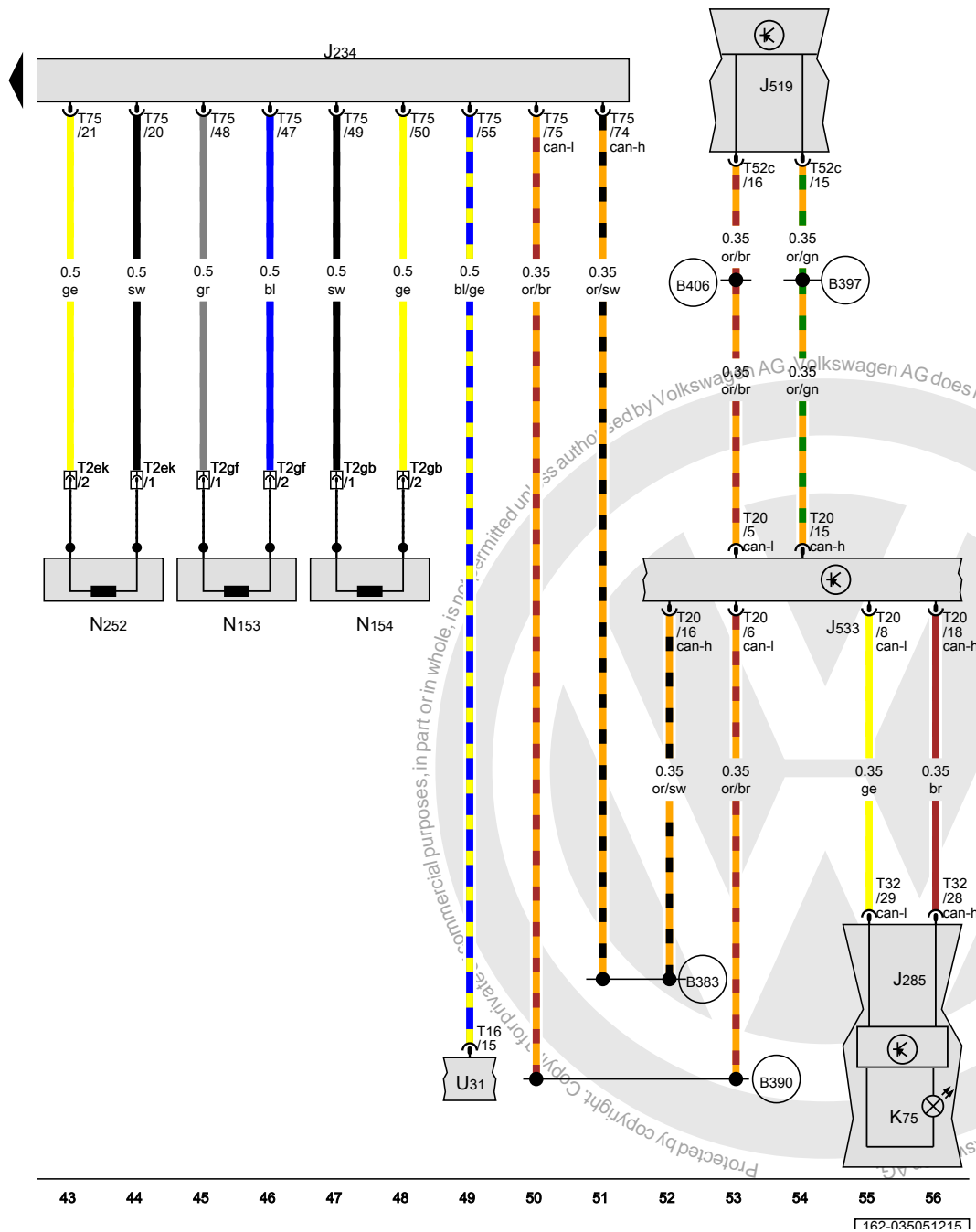
- 109 Earth connection, in airbag wiring harness
- * According to equipment

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109

29 30 31 32 33 34 35 36 37 38 39 40 41 42

162-035041215



Airbag control unit, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Airbag warning lamp, Front passenger side curtain airbag igniter

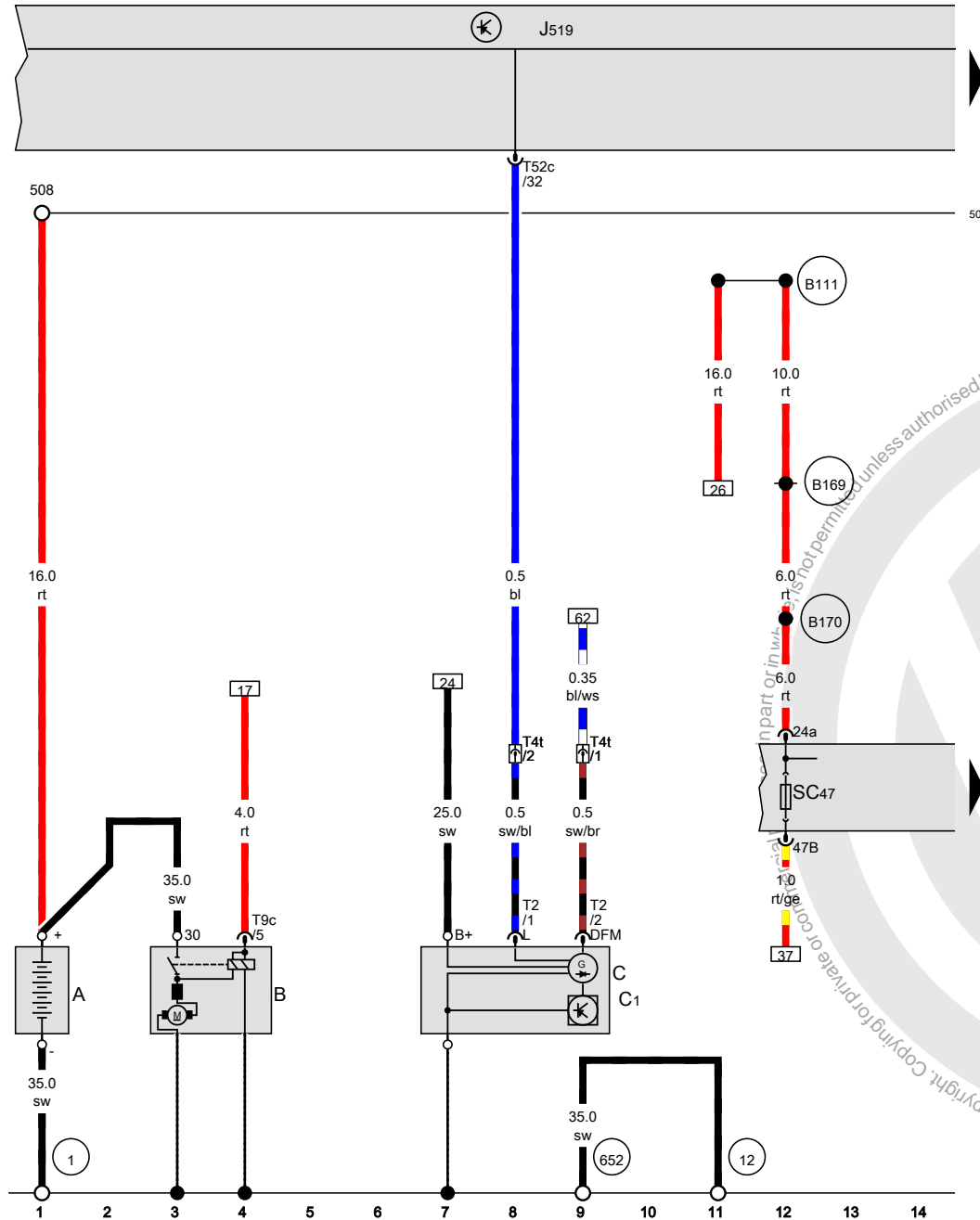
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K75 Airbag warning lamp
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N252 Front passenger side curtain airbag igniter
- T2ek 2-pin connector
- T2gb 2-pin connector
- T2gf 2-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T75 75-pin connector
- U31 Diagnostic connection

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness

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2.0l petrol engine , CCZA
From October 2010





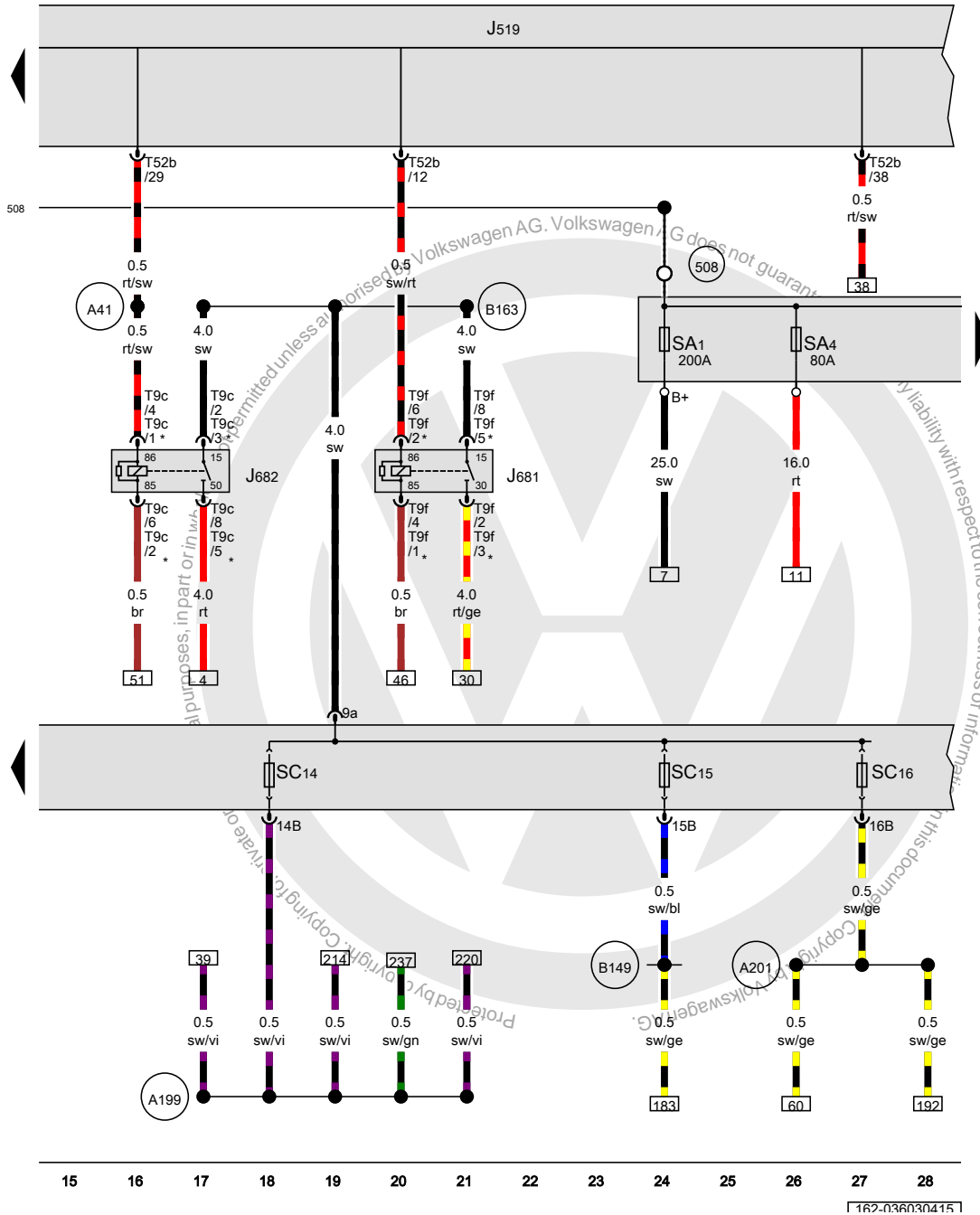
Battery, Starter, Alternator, Voltage regulator, Onboard supply control unit, Fuse 47 on fuse holder C

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SC47 Fuse 47 on fuse holder C
- T2 2-pin connector
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

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- rs = pink

162-036020415



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 508 Threaded connection (30) on E-box
- A41 Positive connection (50), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness

* gradual introduction

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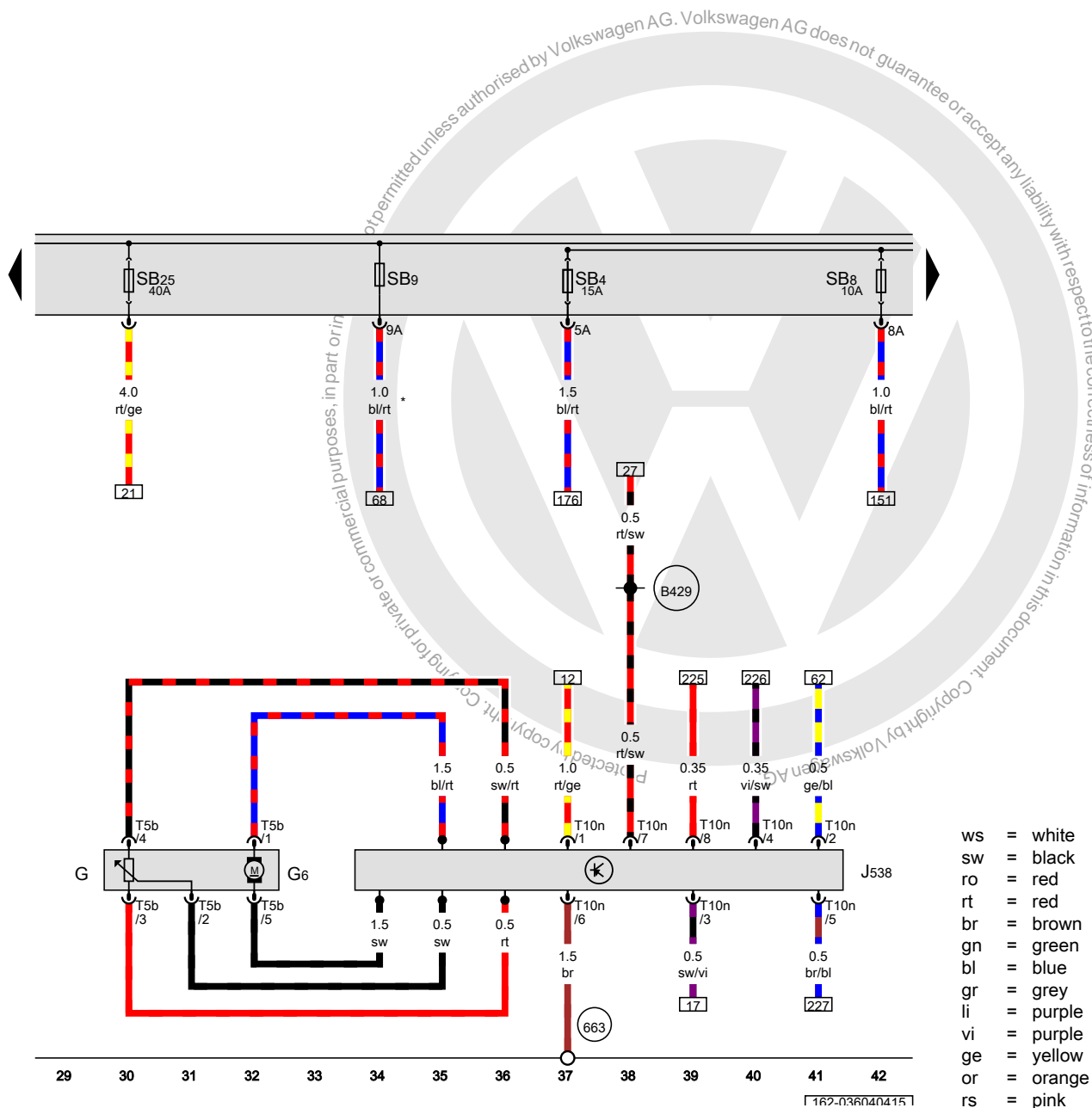
Fuel gauge sender, Fuel system pressurisation pump, Fuse 25 on fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- SB4 Fuse 4 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector

663 Earth point, rear right side panel

B429 Connection (EFPR), in main wiring harness

* Cross section depends on equipment

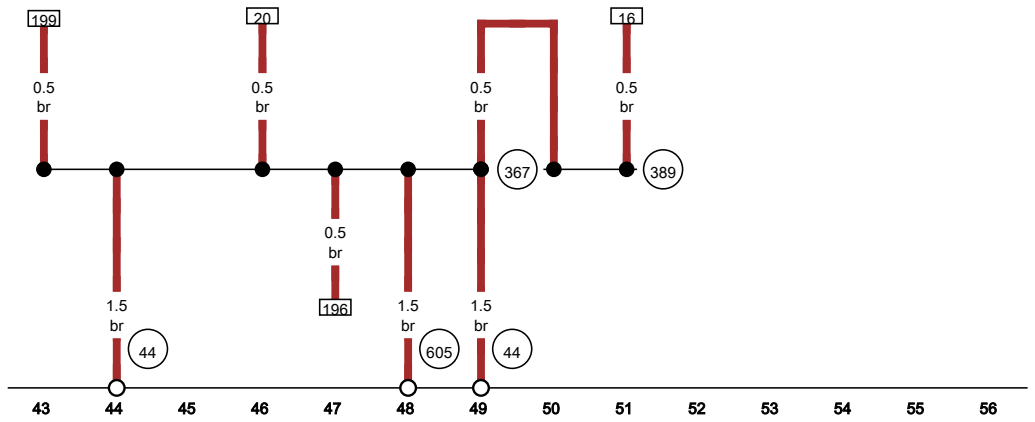
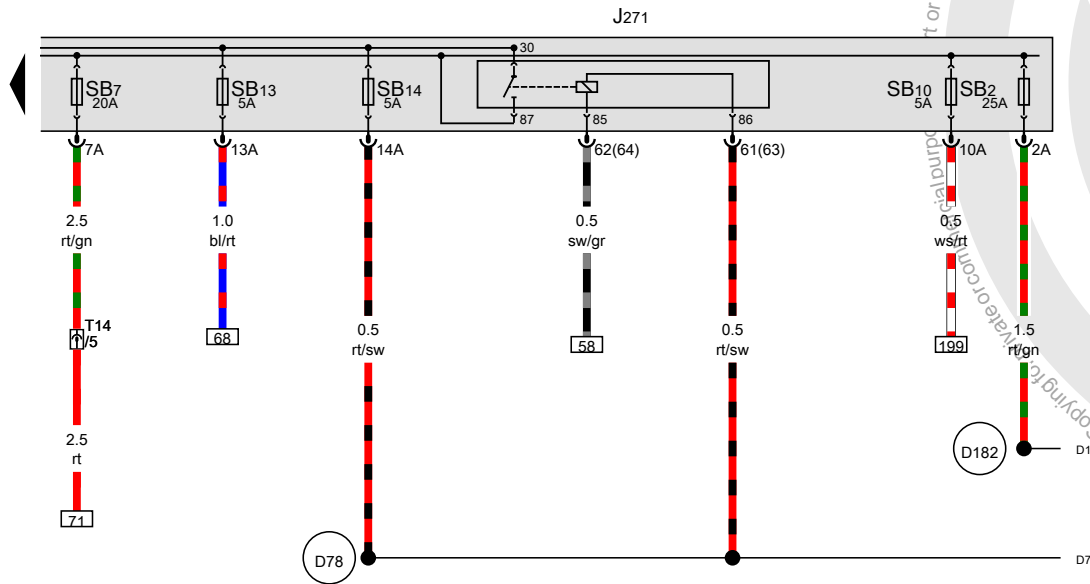


162-036040415

Main relay

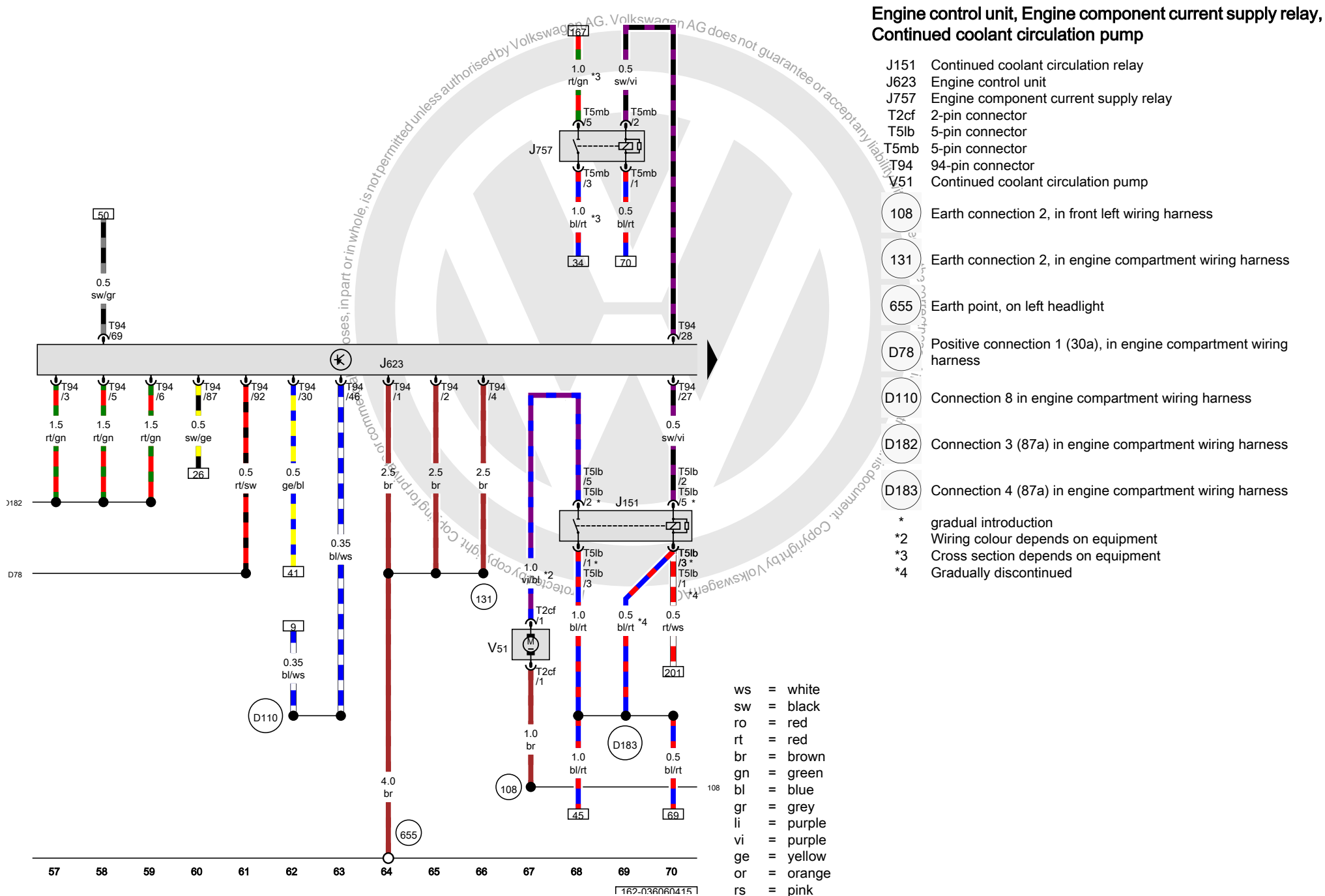
- J271 Main relay
- SB2 Fuse 2 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness



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162-036050415



Engine control unit, Engine component current supply relay, Continued coolant circulation pump

- J151 Continued coolant circulation relay
- J623 Engine control unit
- J757 Engine component current supply relay
- T2cf 2-pin connector
- T5lb 5-pin connector
- T5mb 5-pin connector
- T94 94-pin connector
- V51 Continued coolant circulation pump
- 108 Earth connection 2, in front left wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * gradual introduction
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment
- *4 Gradually discontinued

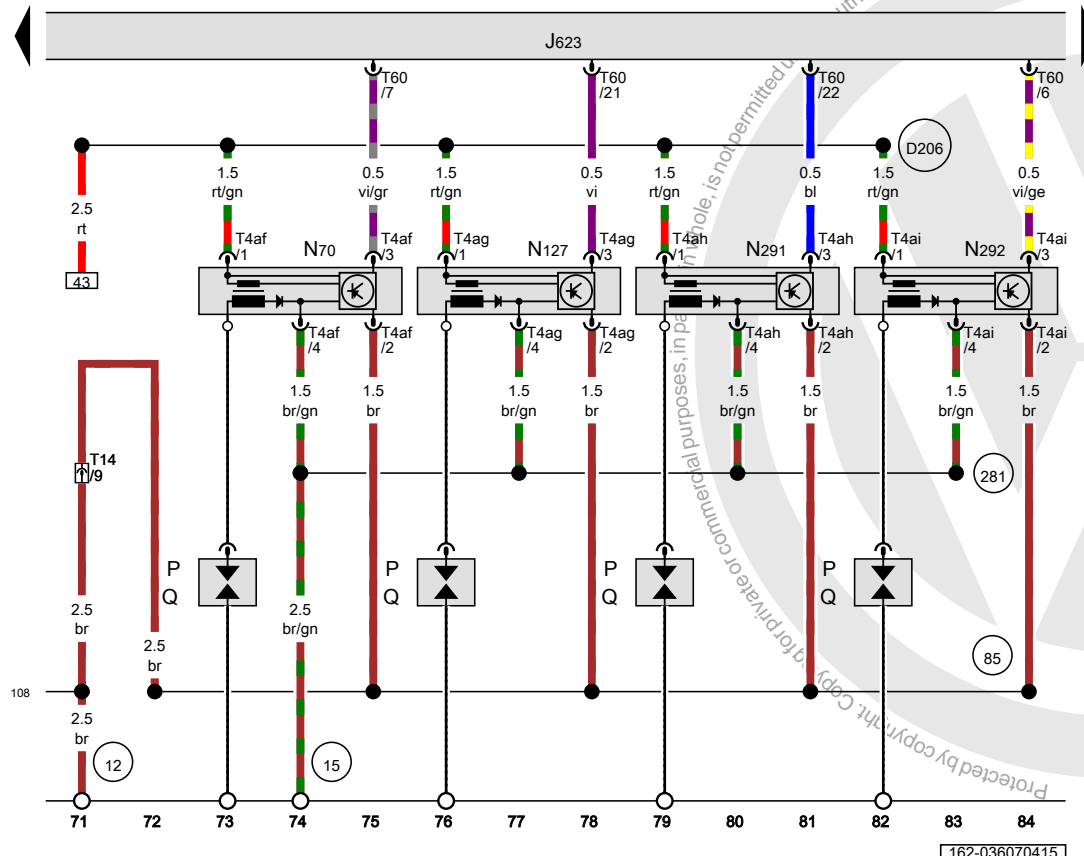
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162-036060415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



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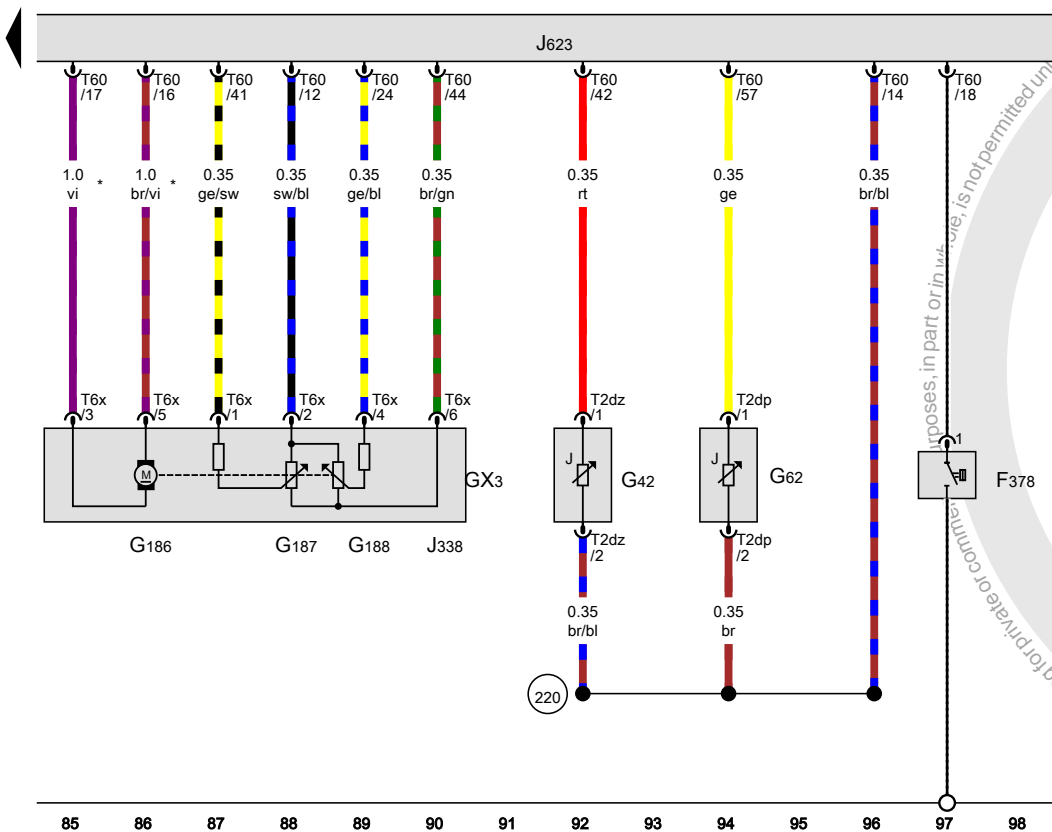
162-036070415

Throttle valve module, Intake air temperature sender, Coolant temperature sender, Throttle valve drive for electric throttle, Throttle valve drive angle sender 1 for electric throttle, Throttle valve drive angle sender 2 for electric throttle, Engine control unit

- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T2dp 2-pin connector
- T2dz 2-pin connector
- T6x 6-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

* Wiring colour depends on equipment



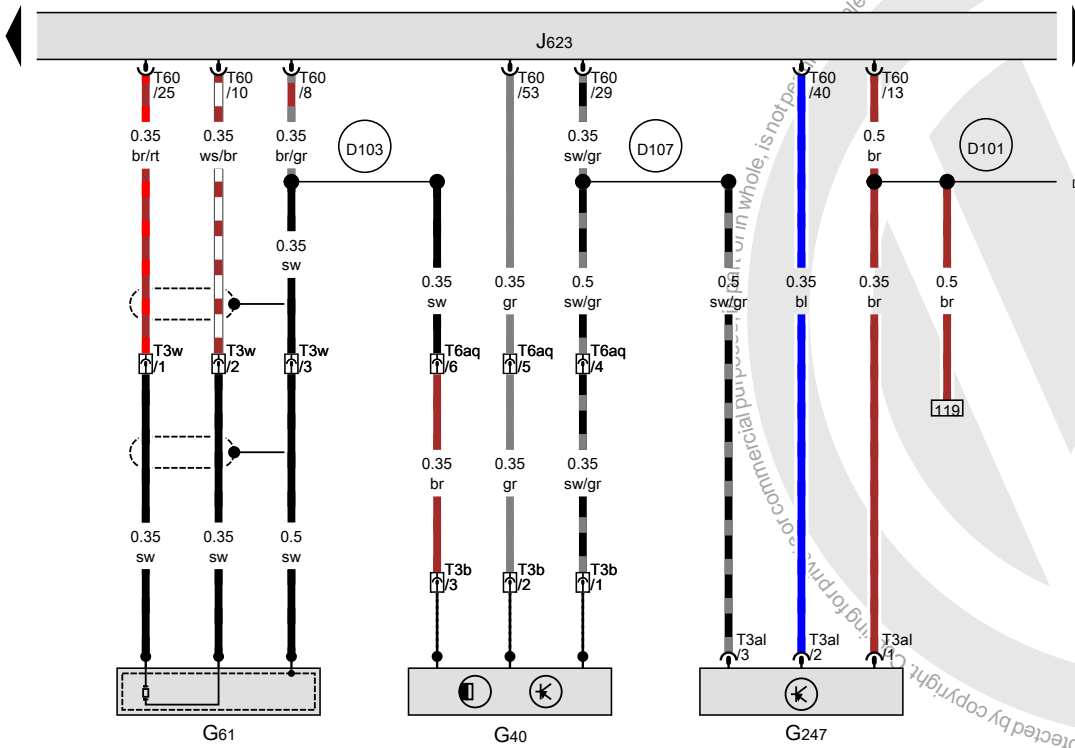
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- vi = purple
- ge = yellow
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- rs = pink

162-036080415

Hall sender, Knock sensor 1, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G247 Fuel pressure sender
- J623 Engine control unit
- T3al 3-pin connector
- T3b 3-pin connector
- T3w 3-pin connector
- T6aq 6-pin connector
- T60 60-pin connector

- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness



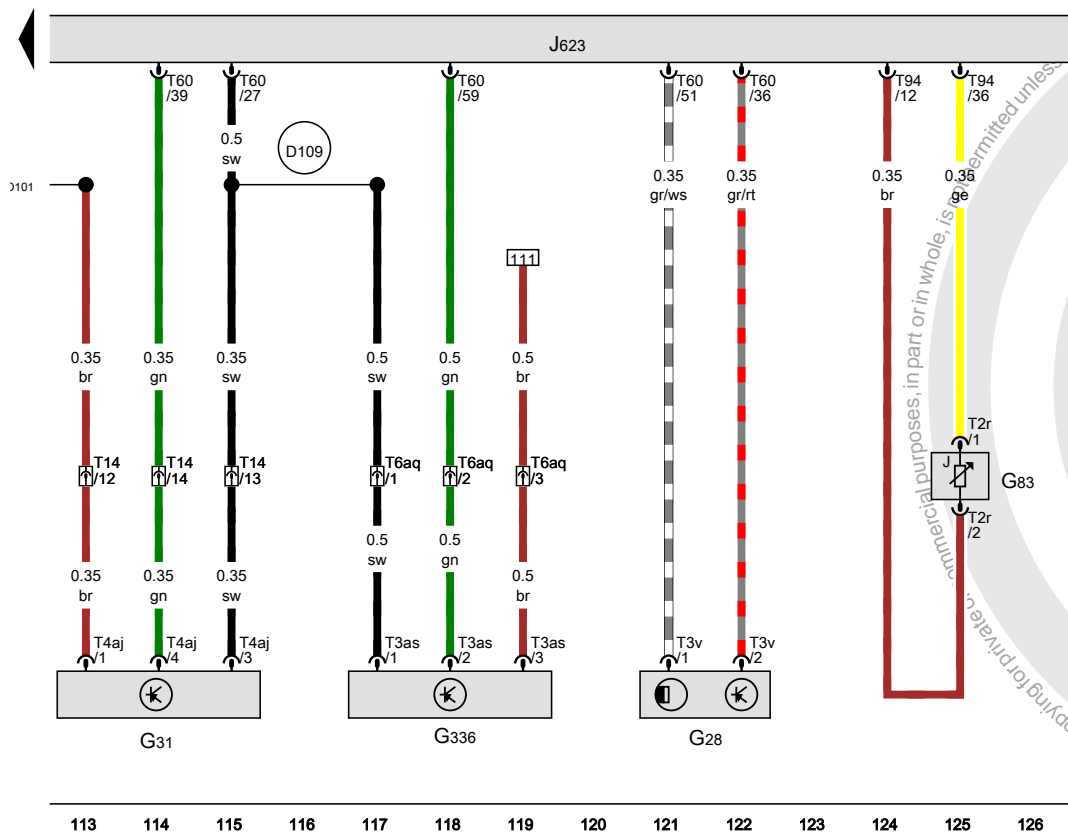
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Engine speed sender, Charge pressure sender, Radiator outlet coolant temperature sender, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T2r 2-pin connector
- T3as 3-pin connector
- T3v 3-pin connector
- T4aj 4-pin connector
- T6aq 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

D101 Connection 1 in engine compartment wiring harness

D109 Connection 7 in engine compartment wiring harness



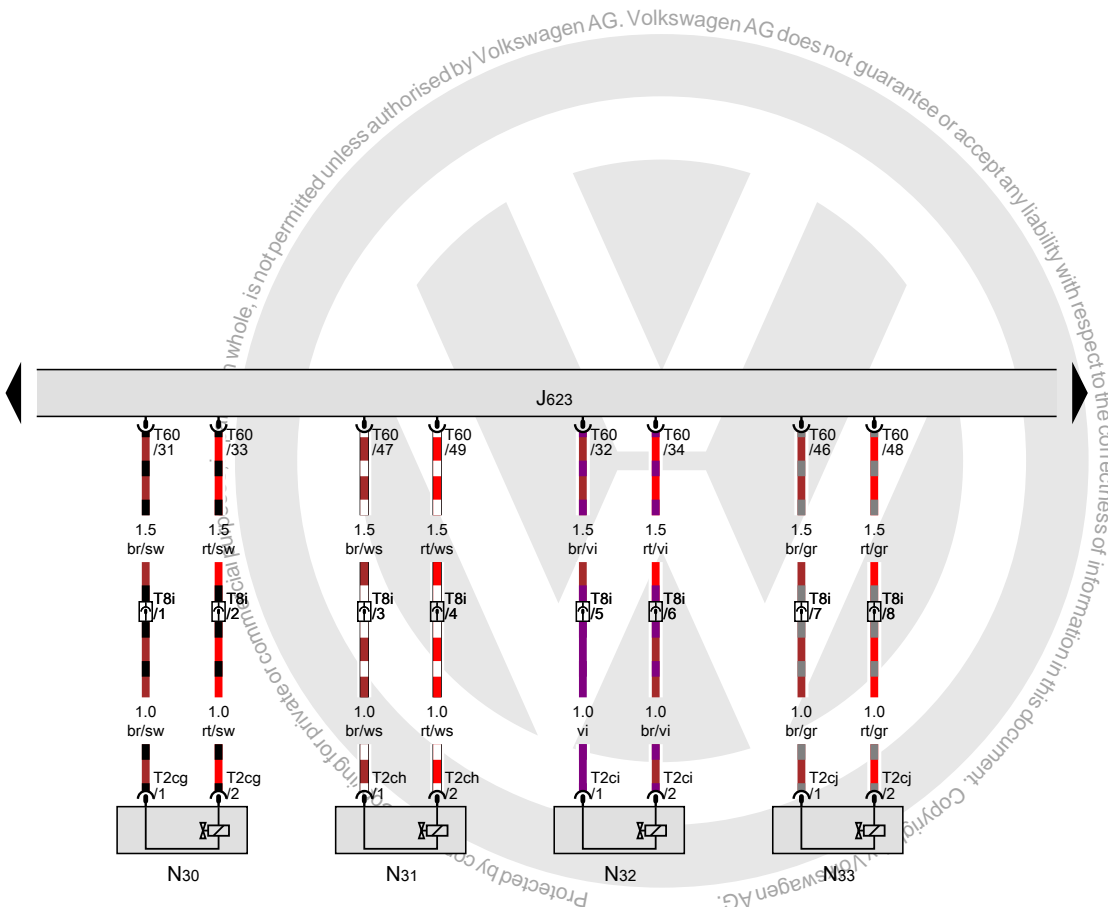
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- ro = red
- rt = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-036100415

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T8i 8-pin connector
- T60 60-pin connector

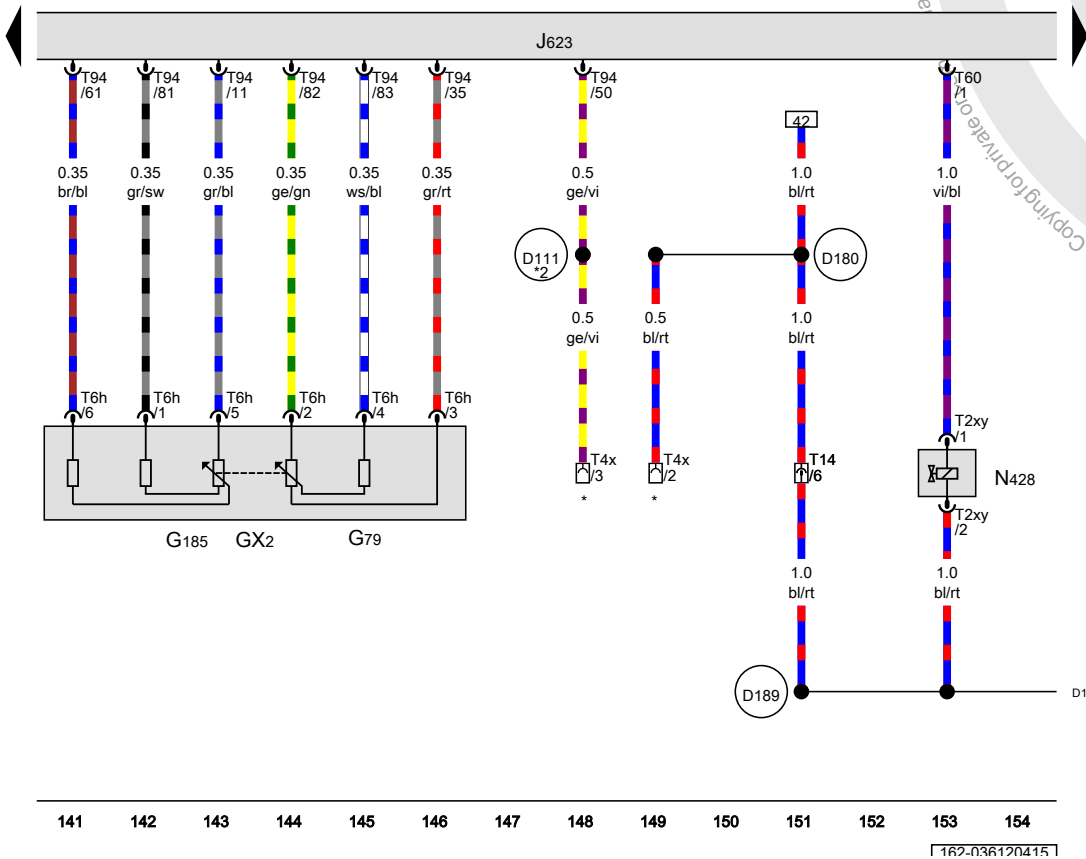


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- vi = purple
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Accelerator pedal module, Accelerator position sender 2, Engine control unit, Valve for oil pressure control

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N428 Valve for oil pressure control
- T2xy 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D189 Connection (87a) in engine prewiring harness
- * Radiator fan connection
- *2 Gradually discontinued



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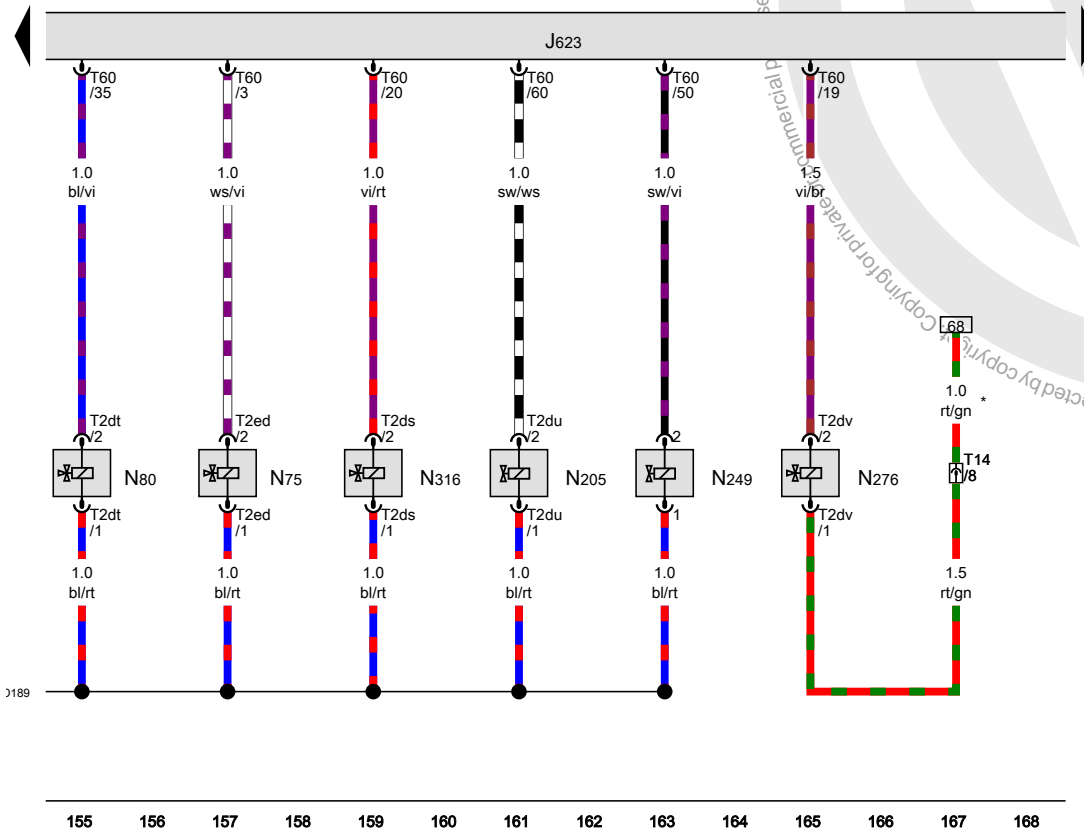
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Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Intake manifold flap valve

- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

D189 Connection (87a) in engine prewiring harness

* Cross section depends on equipment



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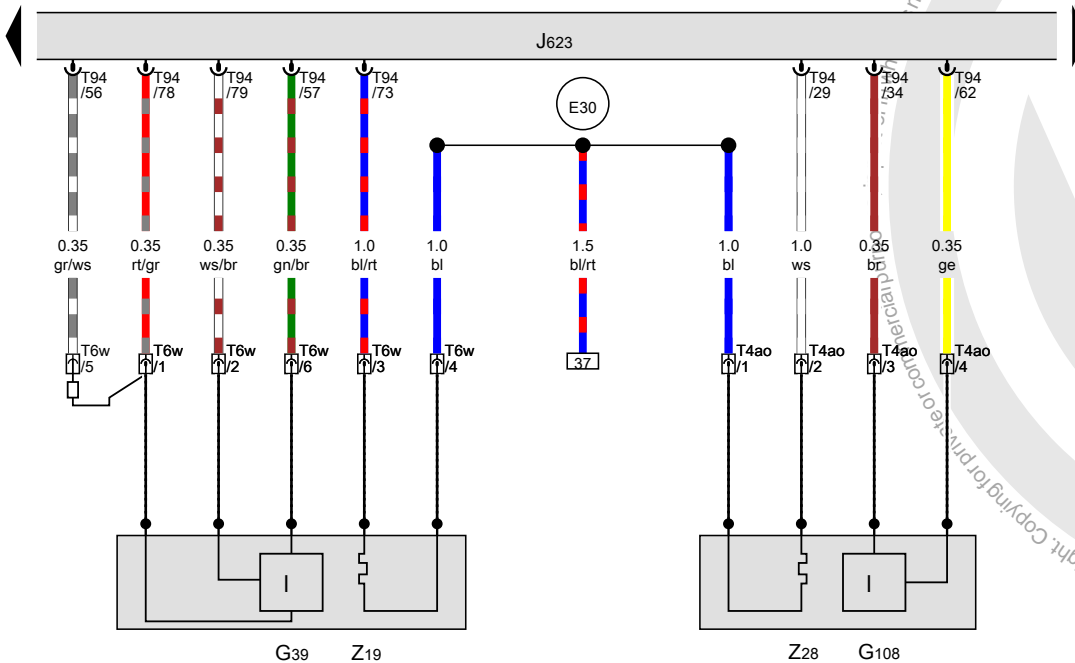
189

155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-036130415

Lambda probe 2, Engine control unit, Lambda probe heater, Lambda probe heater 2

- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z28 Lambda probe heater 2
- E30 Connection (87a) in engine wiring harness



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169 170 171 172 173 174 175 176 177 178 179 180 181 182

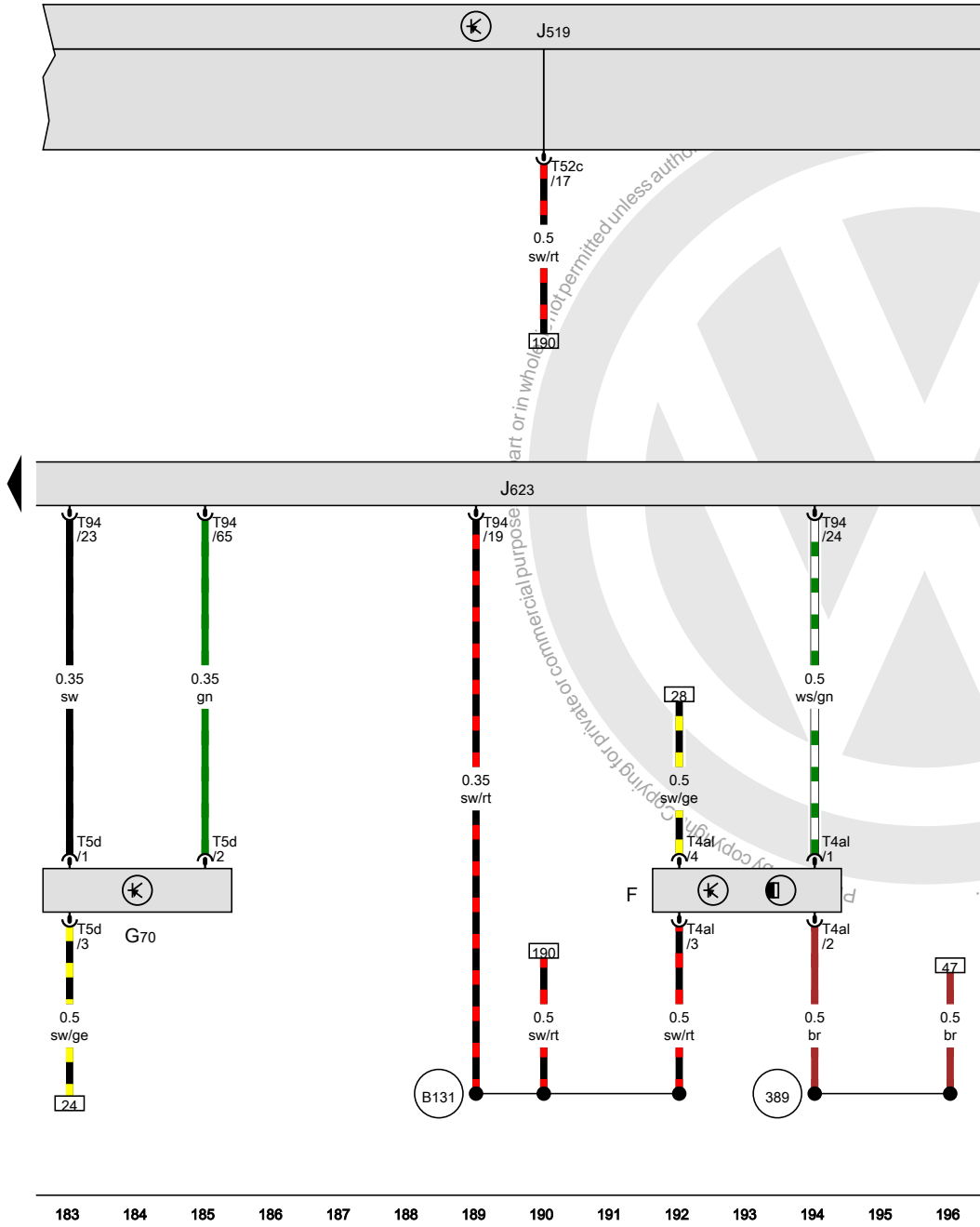
[162-036140415]

Brake light switch, Air mass meter, Engine control unit

- F Brake light switch
- G70 Air mass meter
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5d 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

389 Earth connection 24, in main wiring harness

B131 Connection (54), in interior wiring harness






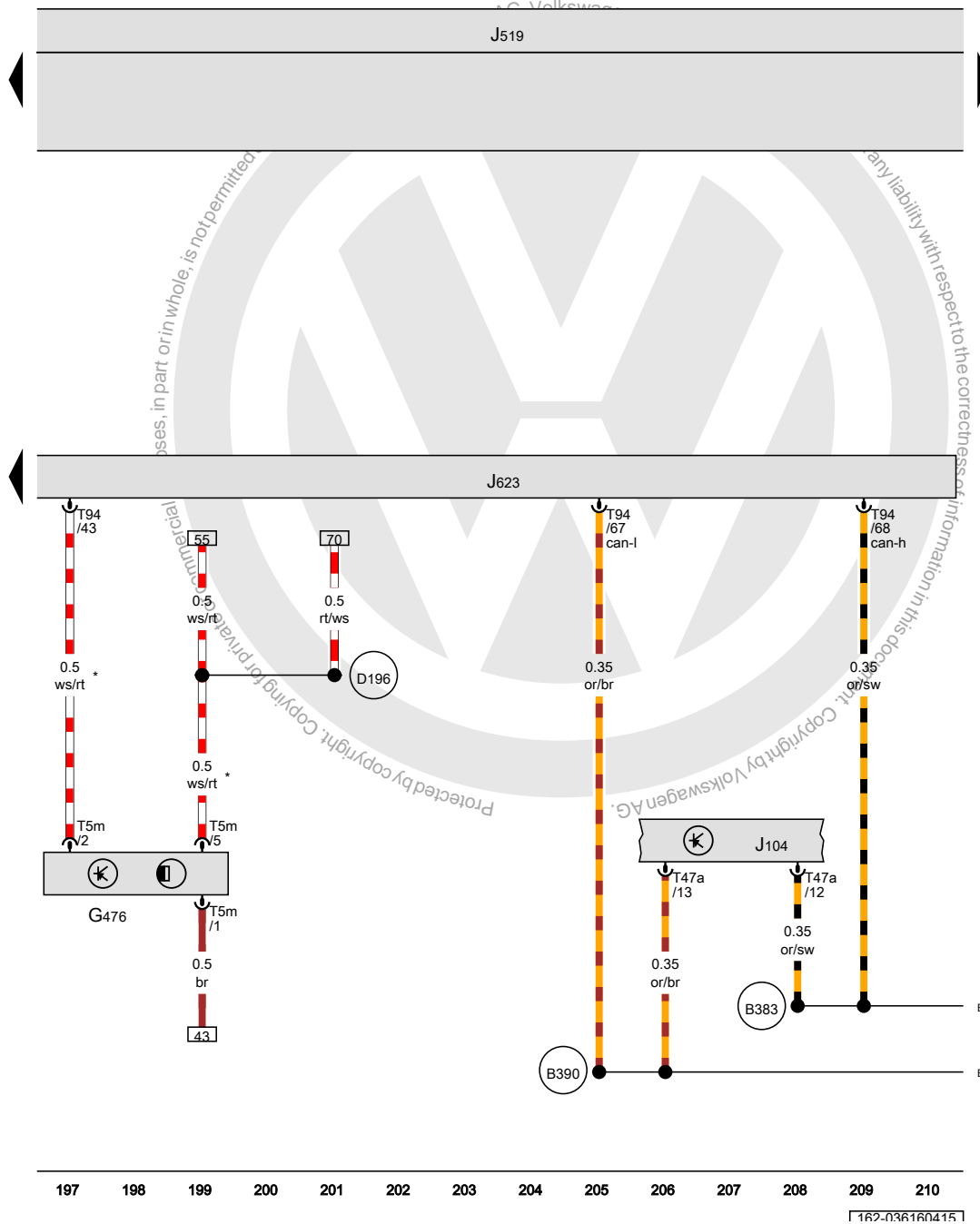
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162-036150415

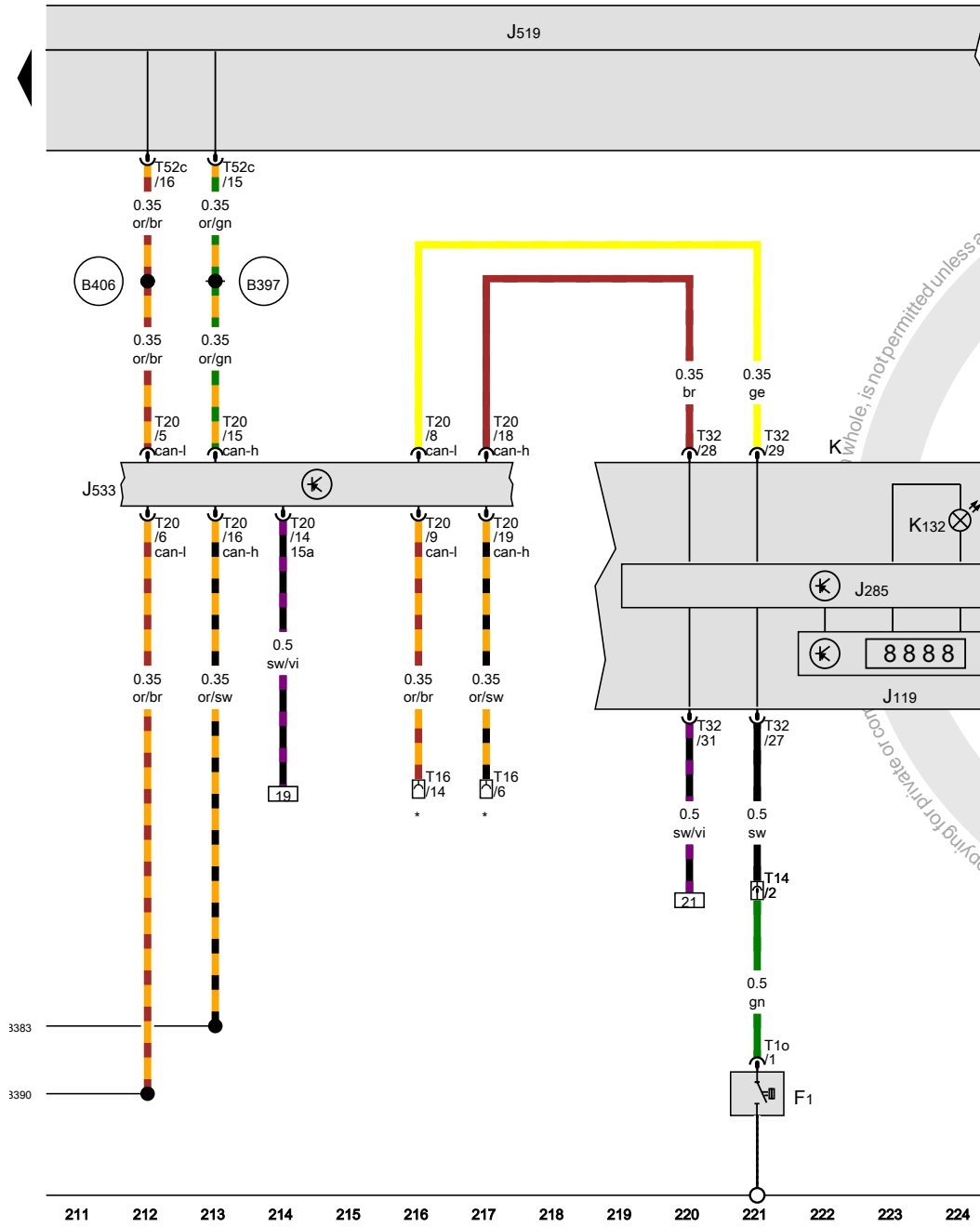
Clutch position sender, Engine control unit

- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T5m 5-pin connector
- T47a 47-pin connector
- T94 94-pin connector

-  B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
-  B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
-  D196 Connection 2 (87a) in engine prewiring harness
- * Only models with manual gearbox



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Oil pressure switch, Data bus diagnostic interface, Dash panel insert, Electronic power control fault lamp

- F1 Oil pressure switch
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K132 Electronic power control fault lamp
- T10 Single connector
- T14 14-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

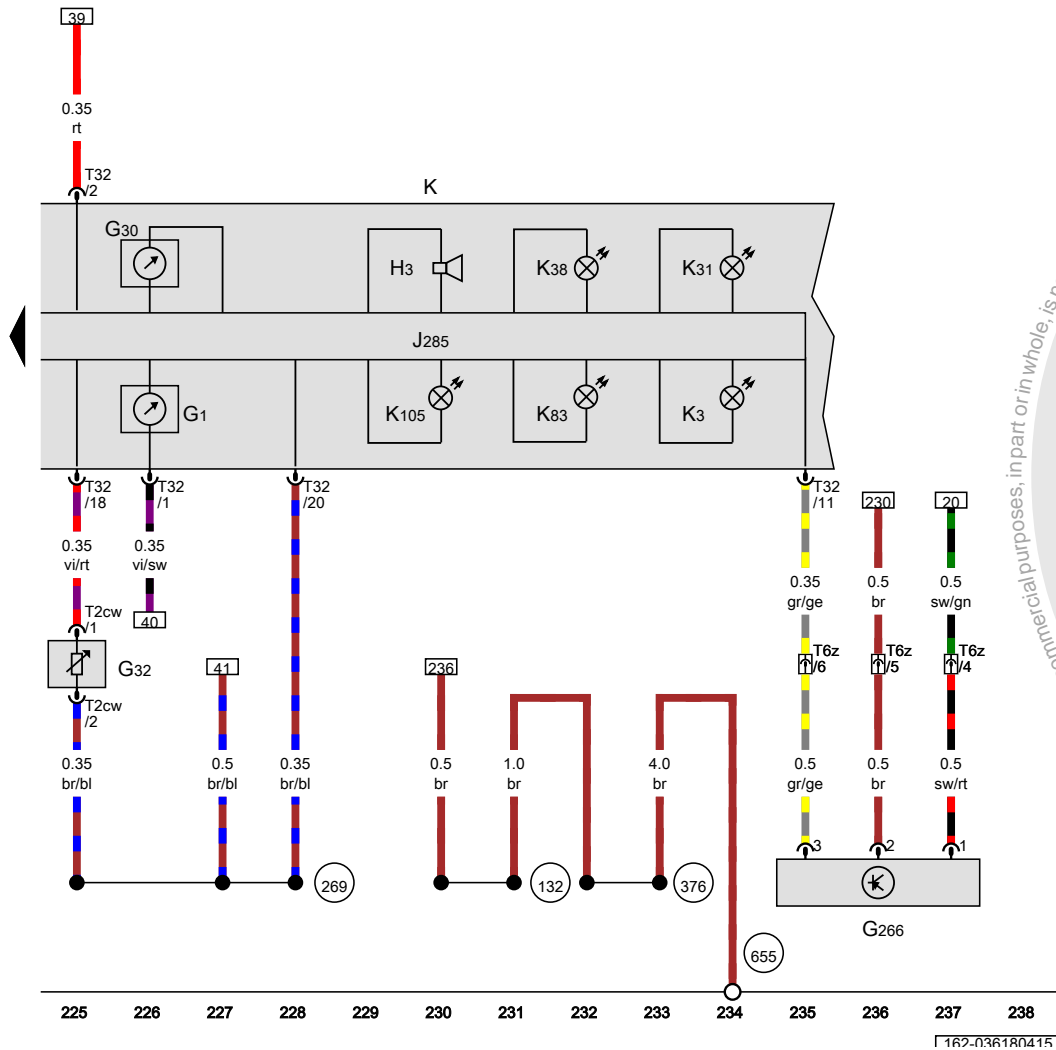
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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162-036170415

Fuel gauge, Charge air pressure gauge, Buzzer and gong, Dash panel insert, Oil pressure warning lamp, Cruise control system warning lamp, Oil level warning lamp, Exhaust emissions warning lamp, Reserve fuel warning lamp

- G1 Fuel gauge
- G30 Charge air pressure gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T2cw 2-pin connector
- T6z 6-pin connector
- T32 32-pin connector



- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight

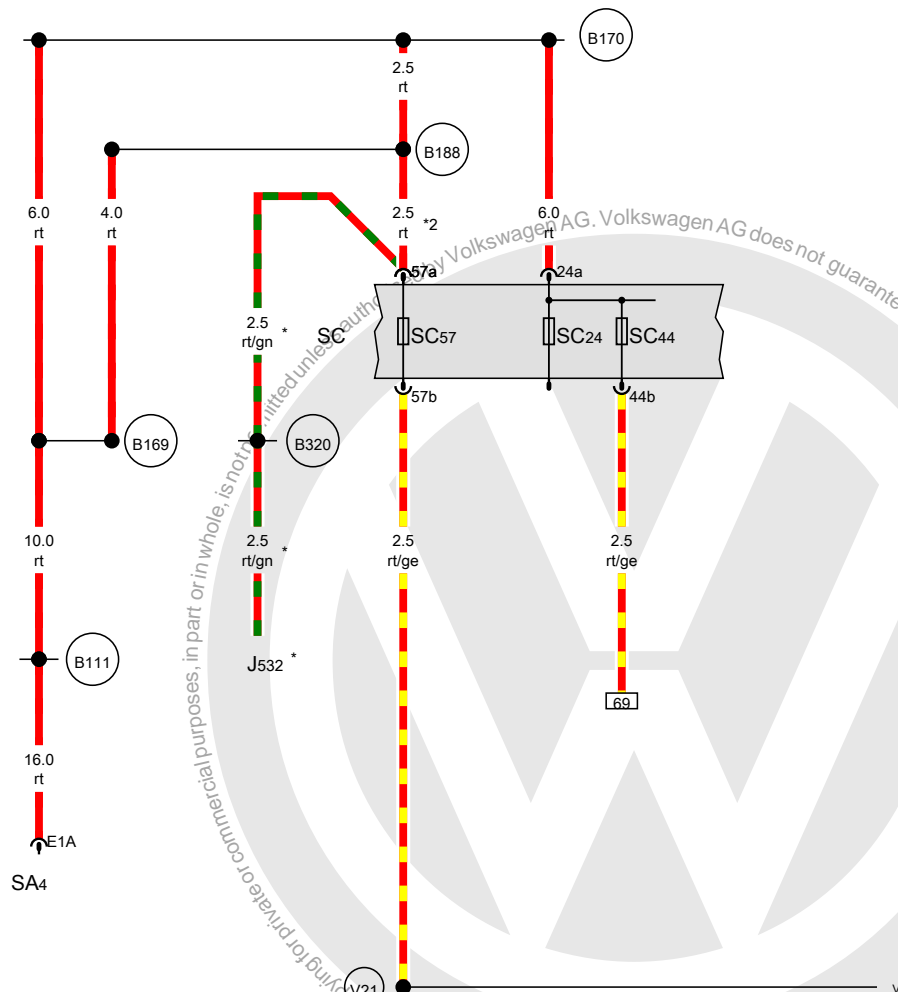
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162-036180415

Radio system RCD 310 , (8AE),(8AH),(8AP)

From April 2010





Fuse 4 in fuse holder A, Fuse holder C

- J532 Voltage stabiliser
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C

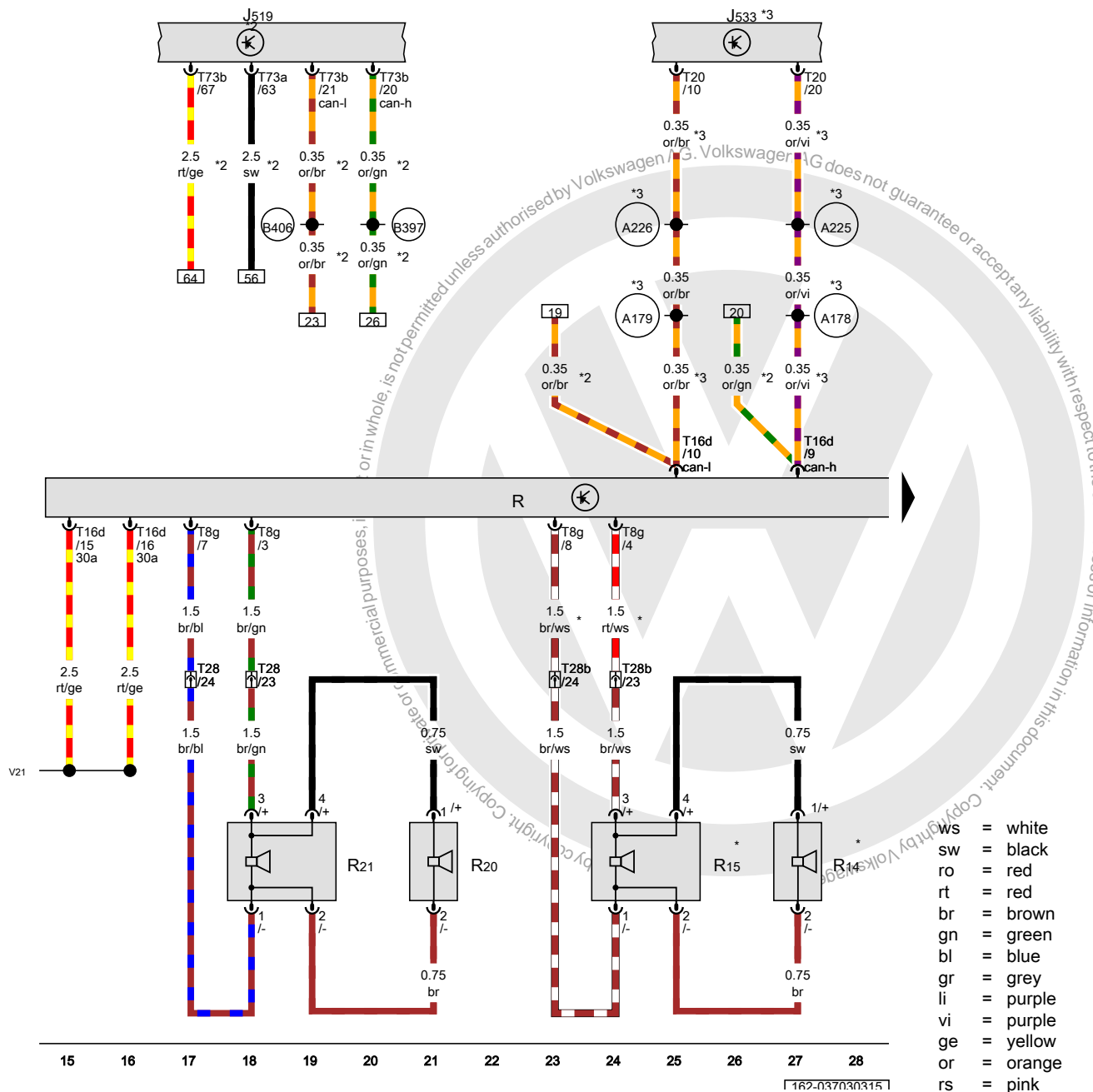
- (B111) Positive connection 1 (30a), in interior wiring harness
- (B169) Positive connection 1 (30), in interior wiring harness
- (B170) Positive connection 2 (30), in interior wiring harness
- (B188) Positive connection 5 (30), in interior wiring harness
- (B320) Positive connection 6 (30a) in main wiring harness
- (V21) Positive connection (30), in radio - amplifier wiring harness

* Only models with stop/start system
 *2 Only models with no start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

162-037020315



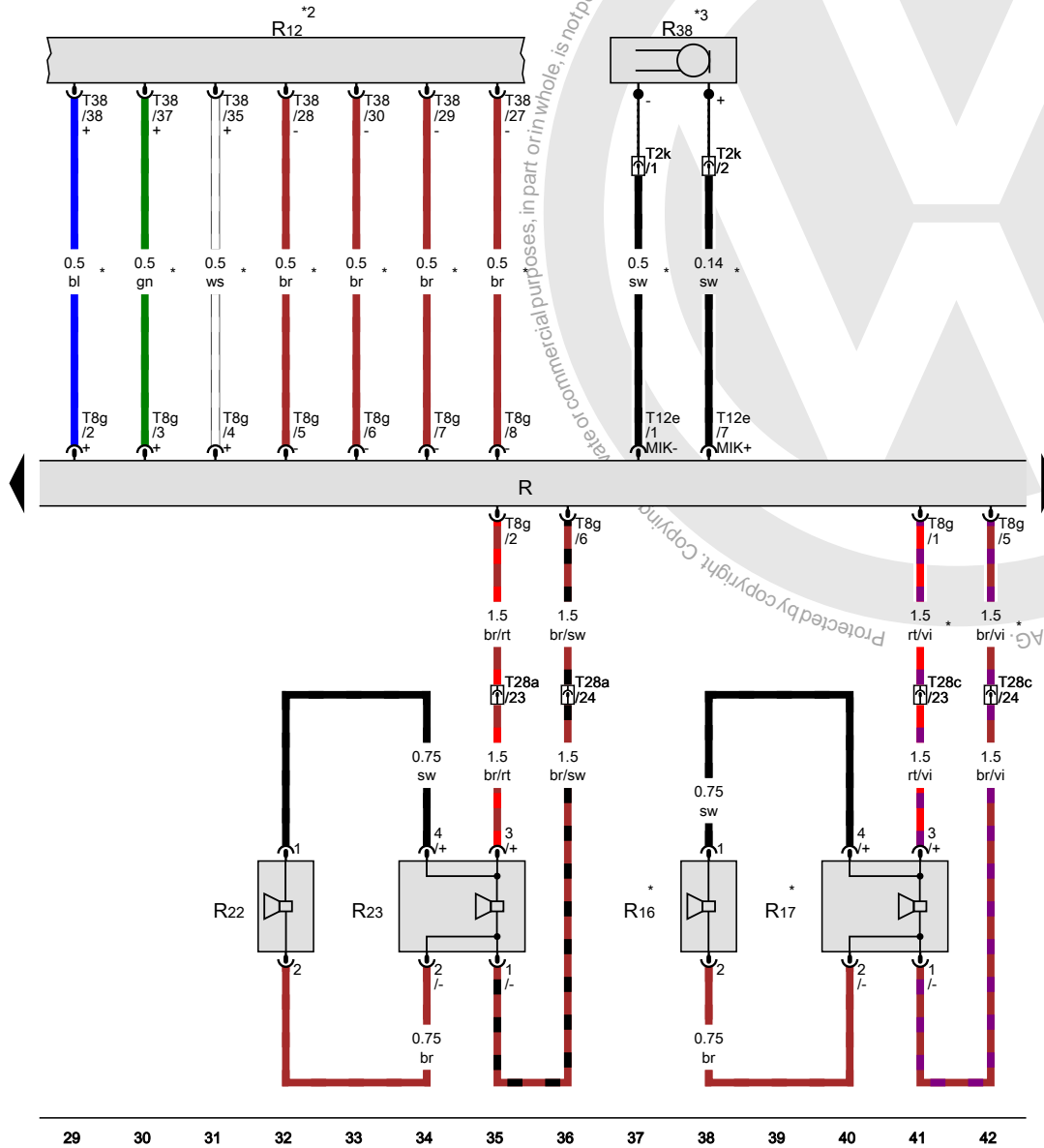
Onboard supply control unit, Data bus diagnostic interface, Radio, Front left treble loudspeaker, Front left bass loudspeaker

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R Radio
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T8g 8-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T28 28-pin connector
- T28b 28-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness
- * According to equipment
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

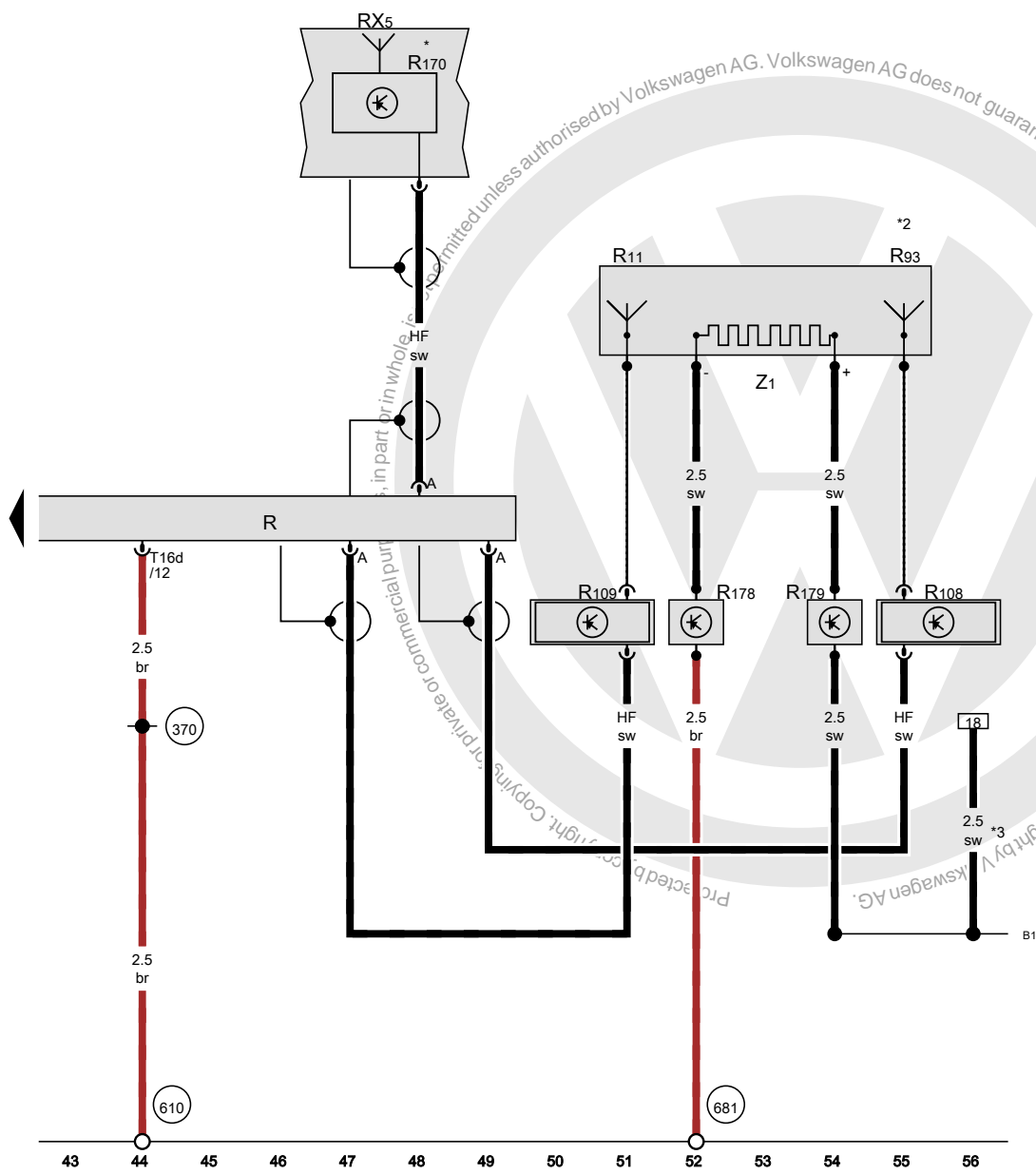
Radio, Front right treble loudspeaker, Front right bass loudspeaker

- R Radio
- R12 Amplifier
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R38 Telephone microphone
- T2k 2-pin connector
- T8g 8-pin connector
- T12e 12-pin connector
- T28a 28-pin connector
- T28c 28-pin connector
- T38 38-pin connector
- * According to equipment
- *2 see applicable current flow diagram for sound system
- *3 see applicable current flow diagram for telephone systems



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radio, Left aerial module, Right aerial module, Satellite aerial, Heated rear window



- R Radio
- RX5 Roof aerial
- R11 Aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R170 Satellite aerial
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T16d 16-pin connector
- Z1 Heated rear window

- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- 681 Earth point 1, in rear right side panel
- B180 Connection (heated rear window), in interior wiring harness

- * Only for American markets
- *2 According to equipment
- *3 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

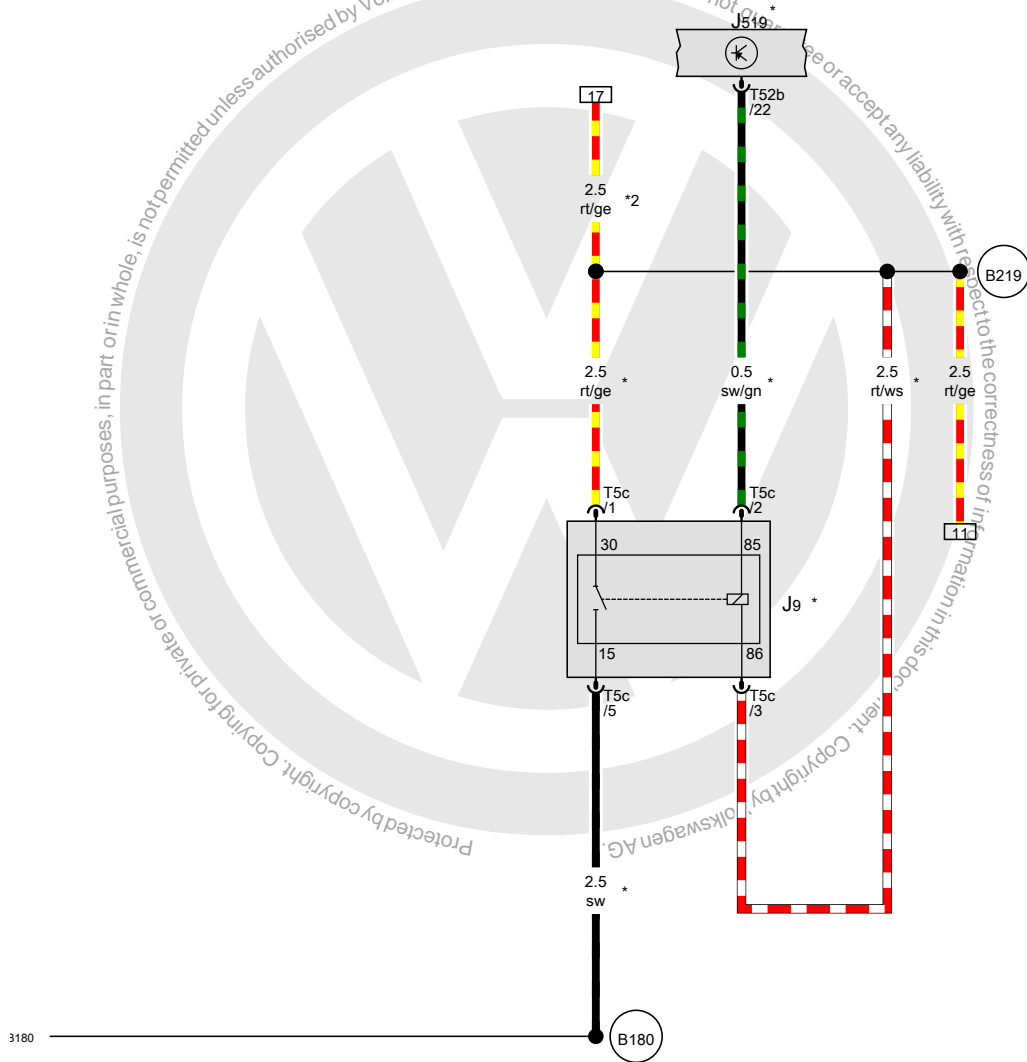
[162-037050315]

Heated rear window relay

- J9 Heated rear window relay
- J519 Onboard supply control unit
- T5c 5-pin connector
- T52b 52-pin connector

- B180 Connection (heated rear window), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

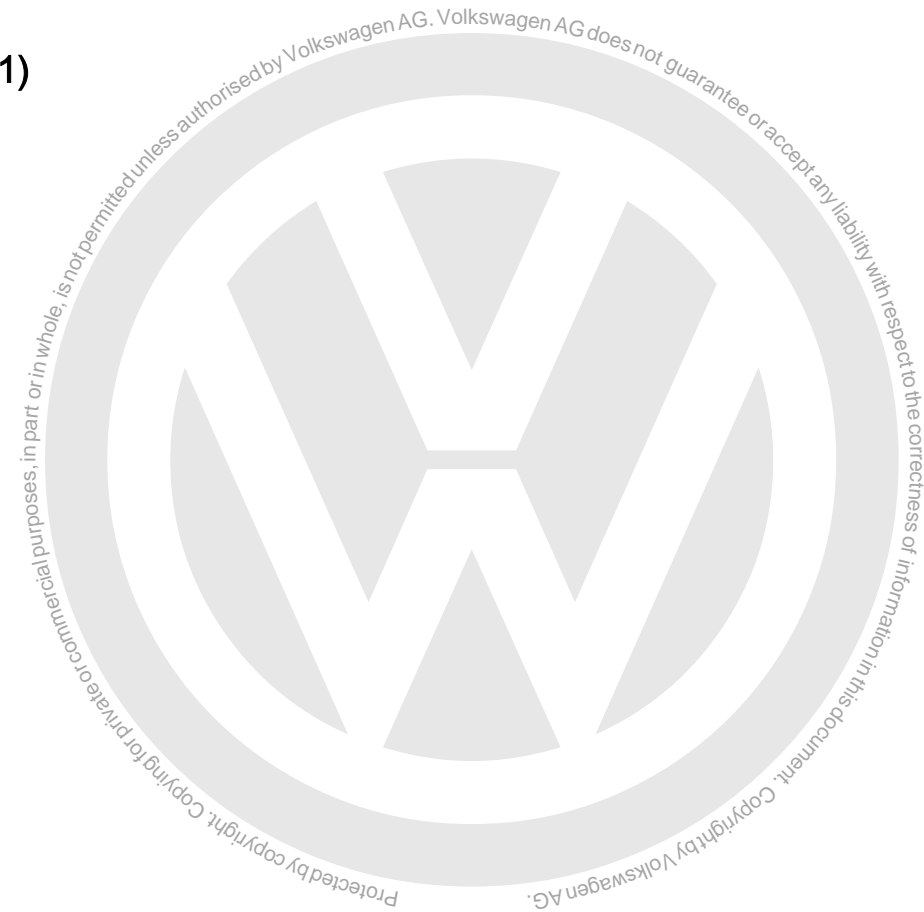
3180

57 58 59 60 61 62 63 64 65 66 67 68 69 70

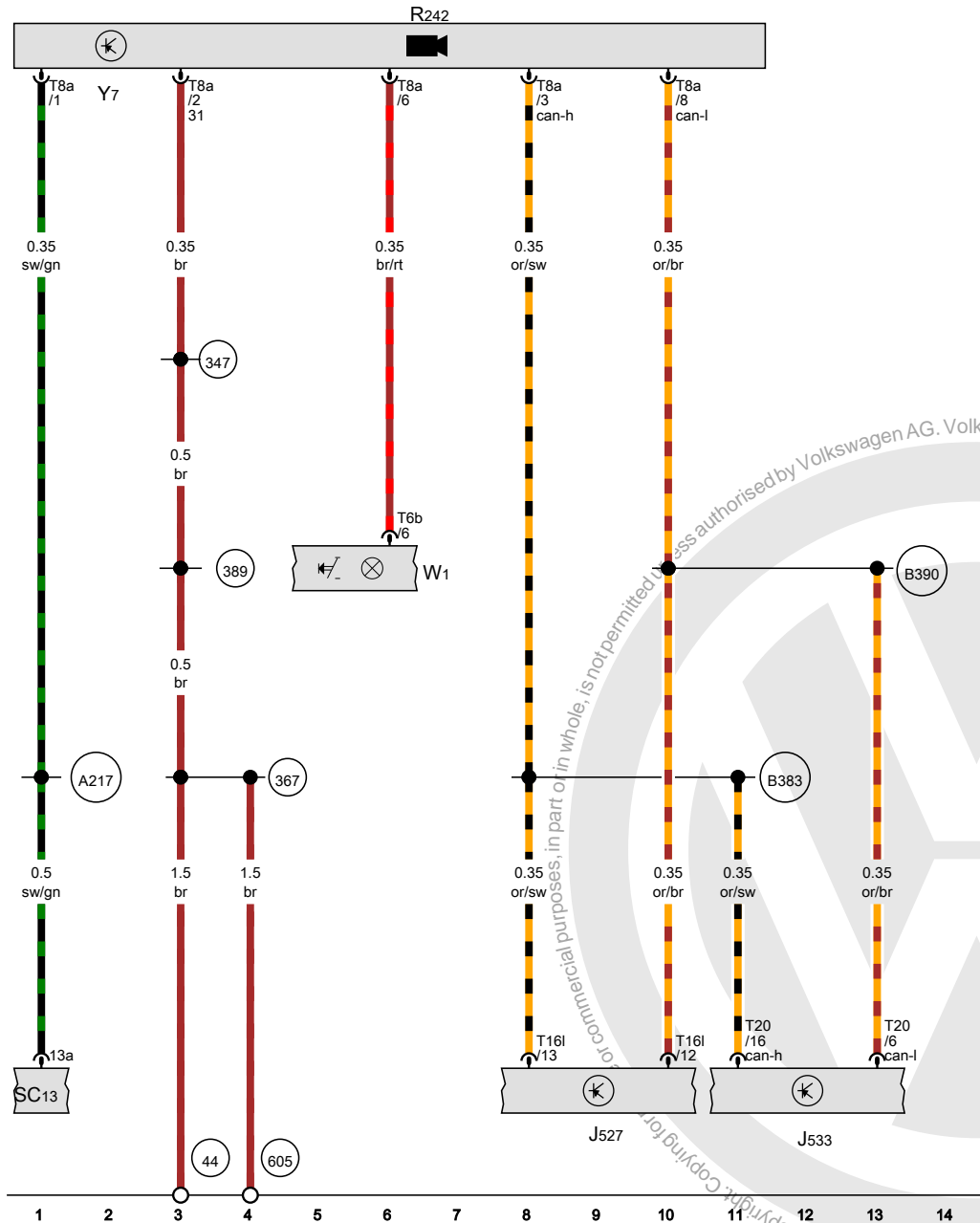
[162-037060315]

Interior mirror with no humidity sender but with main beam assist , (8G1)

From April 2010



Steering column electronics control unit, Data bus diagnostic interface, Fuse 13 on fuse holder C, Front interior light, Automatic anti-dazzle interior mirror



- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- R242 Front camera for driver assist systems
- SC13 Fuse 13 on fuse holder C
- T6b 6-pin connector
- T8a 8-pin connector
- T16l 16-pin connector
- T20 20-pin connector
- W1 Front interior light
- Y7 Automatic anti-dazzle interior mirror
- 44 Earth point, lower part of left A-pillar
- 347 Earth connection, in roof wiring harness
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

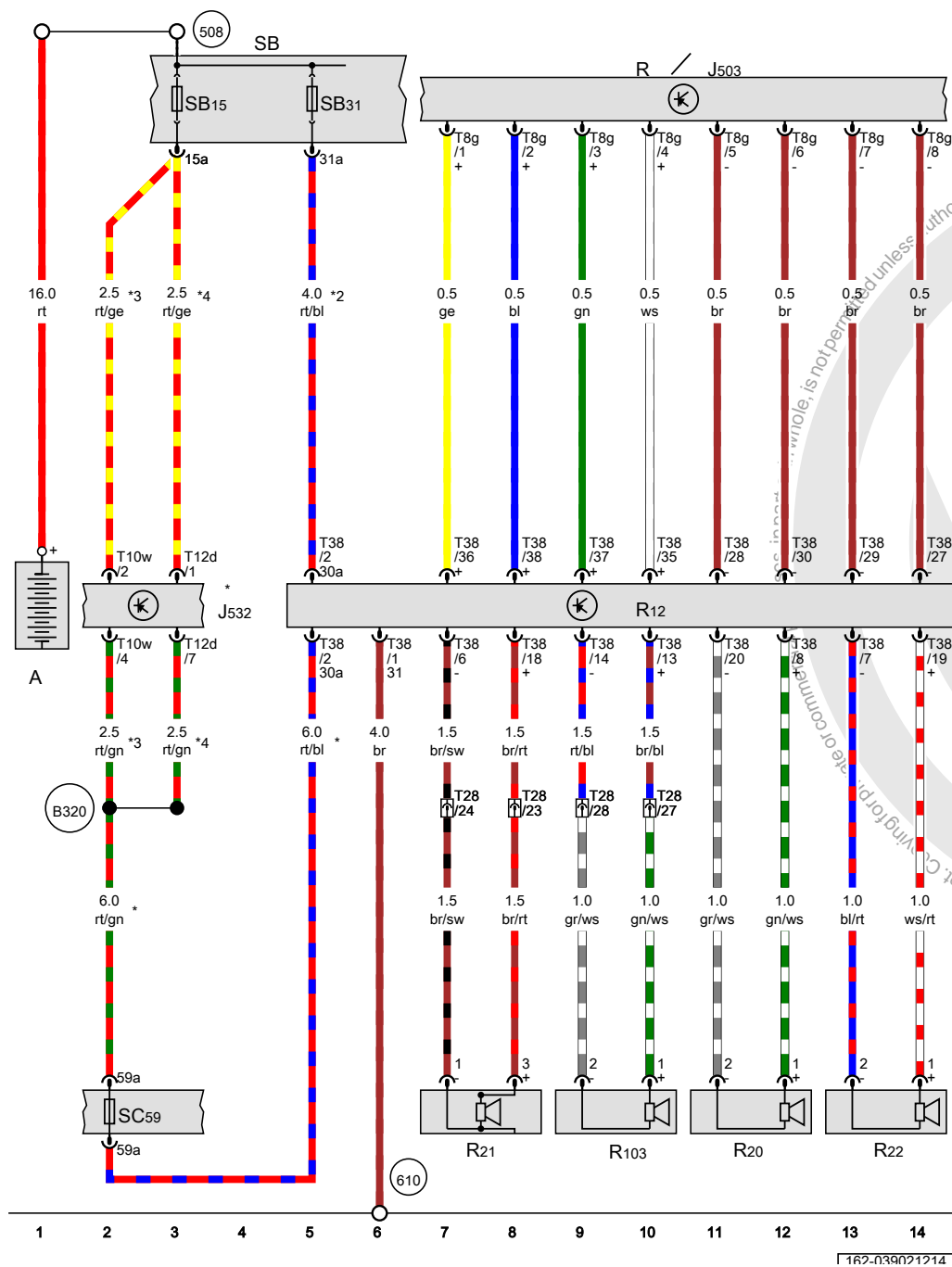
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-038021214

"Volkswagen Sound" sound system , (8RB),(8RU)

From April 2010





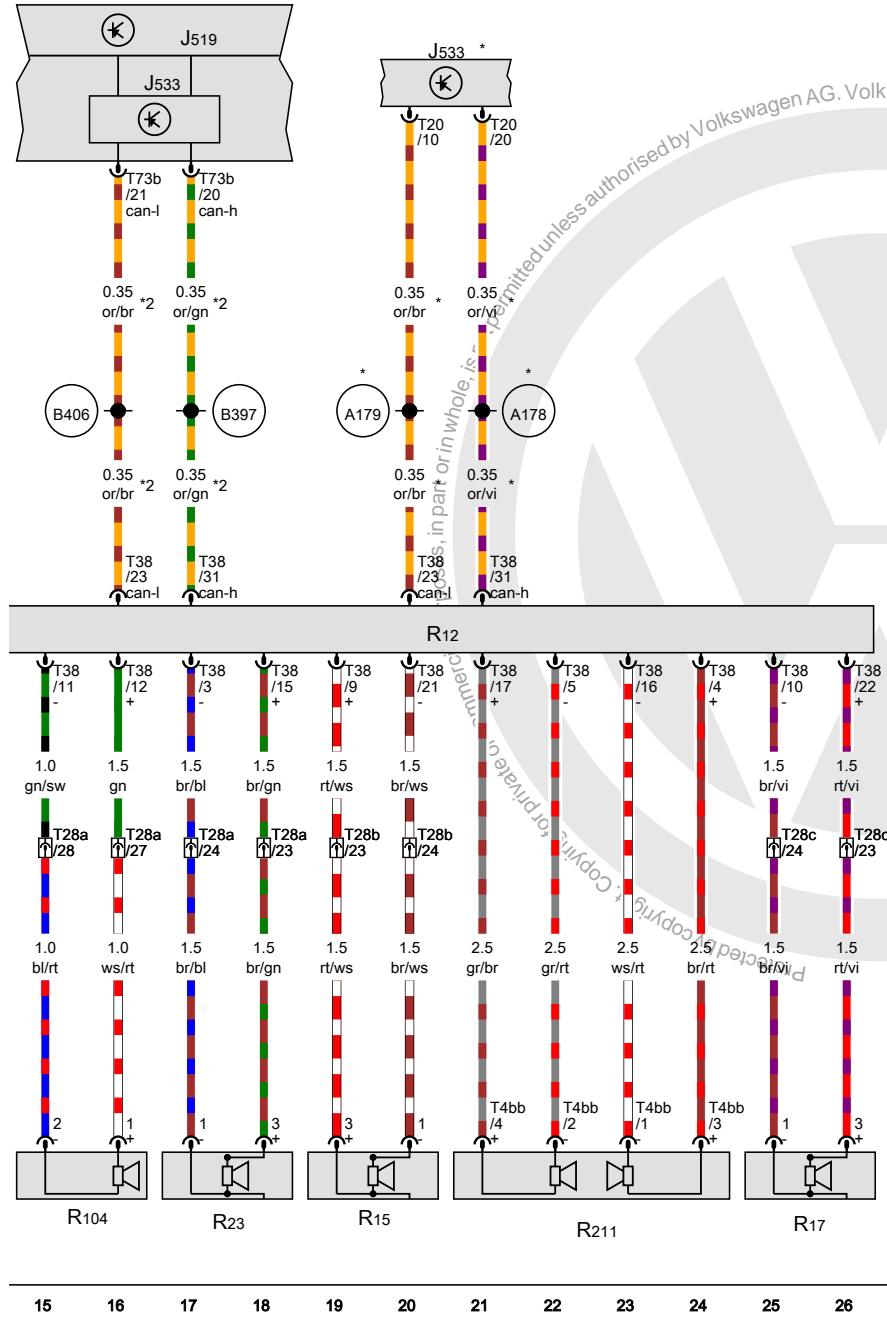
Control unit with display for radio and navigation, Voltage stabiliser, Radio, Amplifier, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker, Front left mid-range loudspeaker, Fuse holder B

- A Battery
- J503 Control unit with display for radio and navigation
- J532 Voltage stabiliser
- R Radio
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R103 Front left mid-range loudspeaker
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- SC59 Fuse 59 on fuse holder C
- T8g 8-pin connector
- T10w 10-pin connector
- T12d 12-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T38 38-pin connector

- (508) Threaded connection (30) on E-box
- (610) Earth point (audio), front below centre console
- (B320) Positive connection 6 (30a) in main wiring harness

- * Only models with stop/start system
- *2 Only models with no start/stop system
- *3 Gradually discontinued
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Data bus diagnostic interface, Amplifier, Rear left bass loudspeaker, Rear right bass loudspeaker, Front right bass loudspeaker, Front right mid-range loudspeaker, Subwoofer

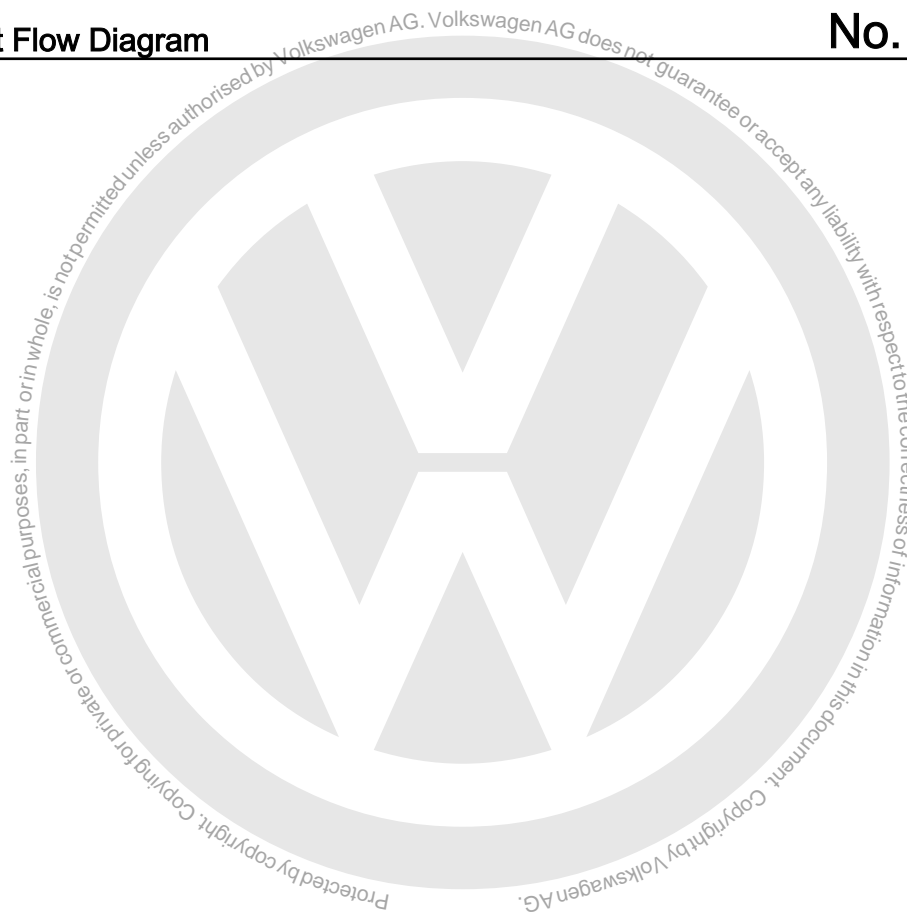
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R12 Amplifier
- R15 Rear left bass loudspeaker
- R17 Rear right bass loudspeaker
- R23 Front right bass loudspeaker
- R104 Front right mid-range loudspeaker
- R211 Subwoofer
- T4bb 4-pin connector
- T20 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T28b 28-pin connector, on left B-pillar
- T28c 28-pin connector, on right B-pillar
- T38 38-pin connector
- T73b 73-pin connector

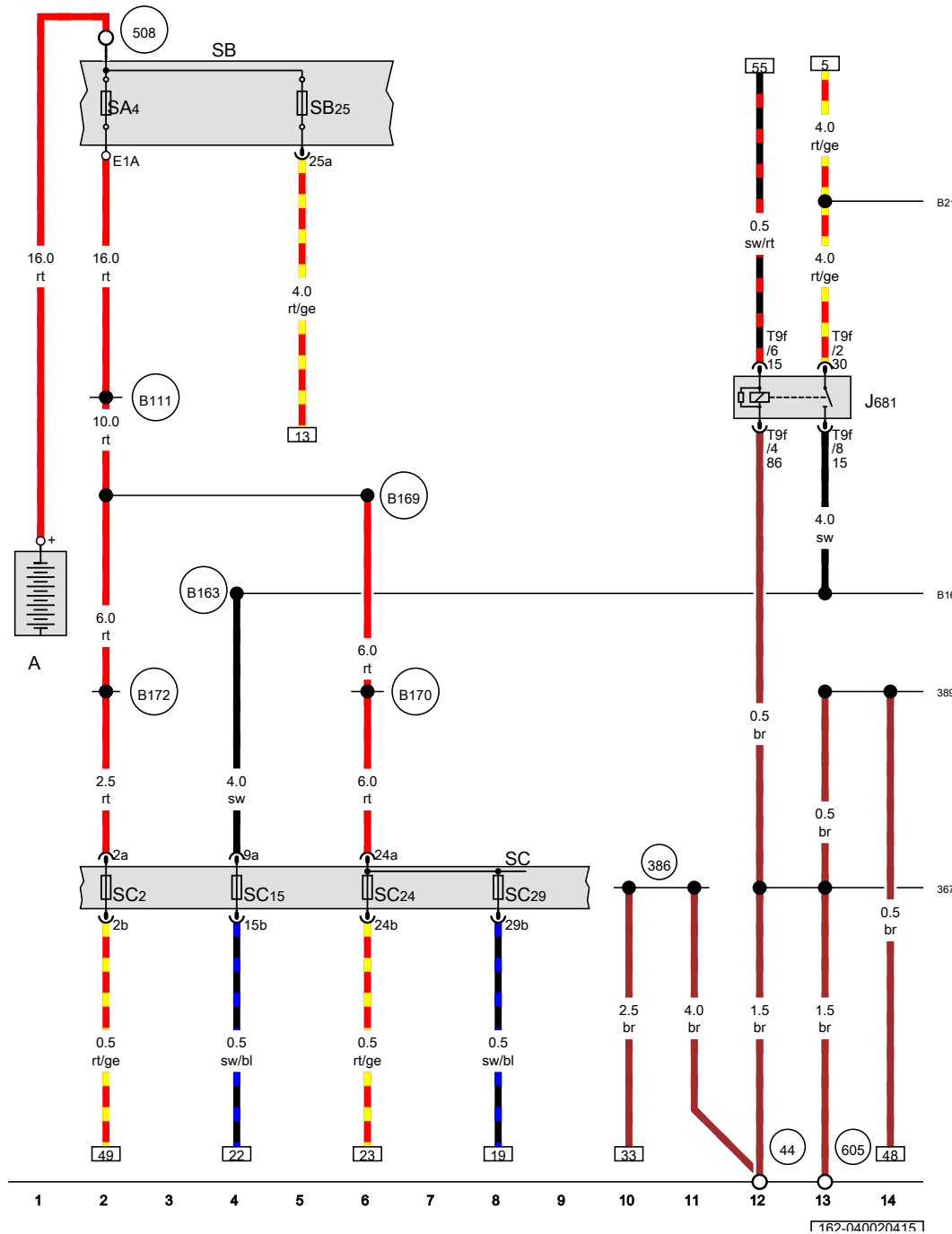
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

"Keyless access" locking and starting system , (AW0)

From April 2010



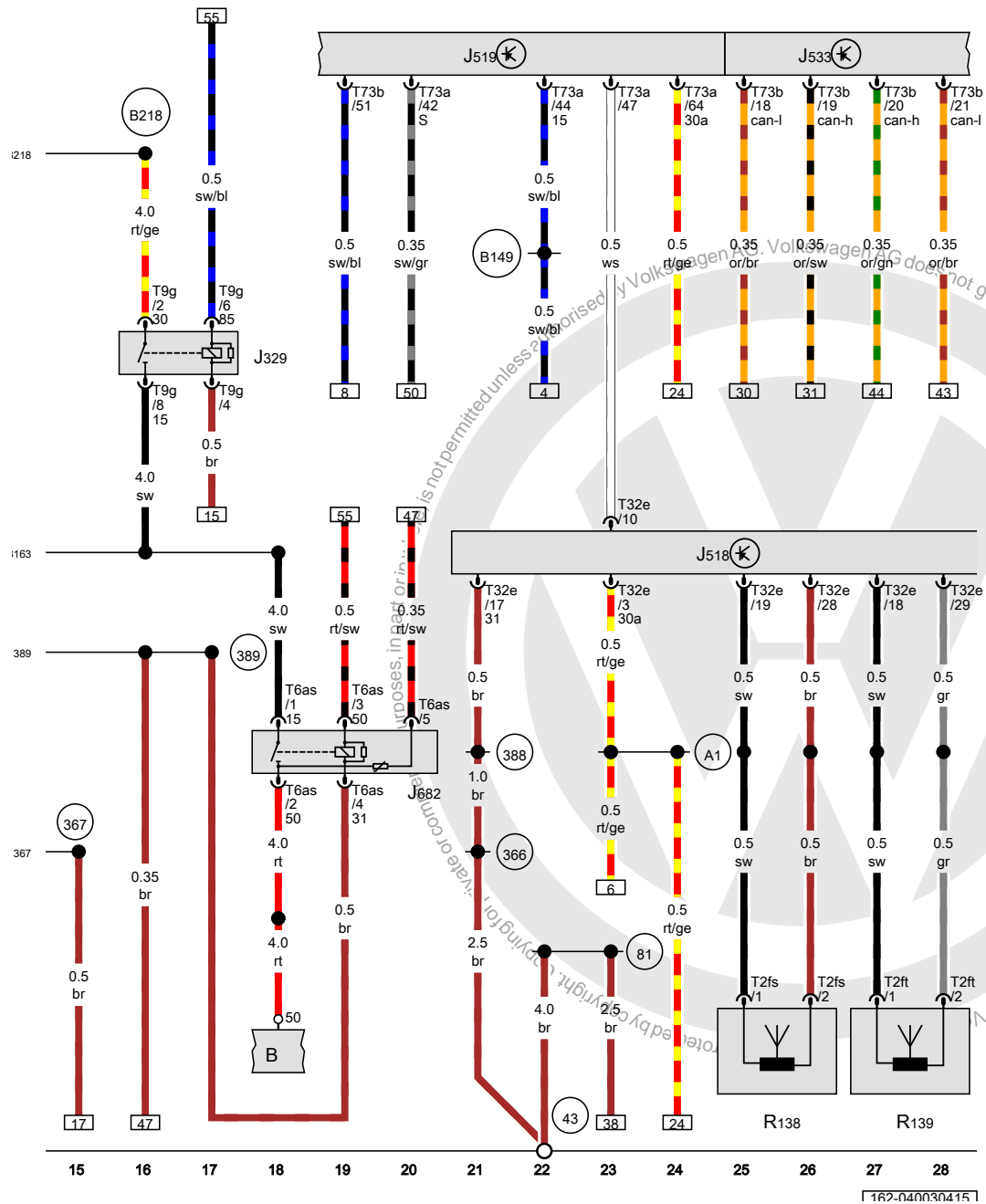


Terminal 15 voltage supply relay 2, Fuse holder B, Fuse holder C

- A Battery
- J681 Terminal 15 voltage supply relay 2
- SC2 Fuse 2 on fuse holder C
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SC15 Fuse 15 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC29 Fuse 29 on fuse holder C
- T9f 9-pin connector
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-040020415

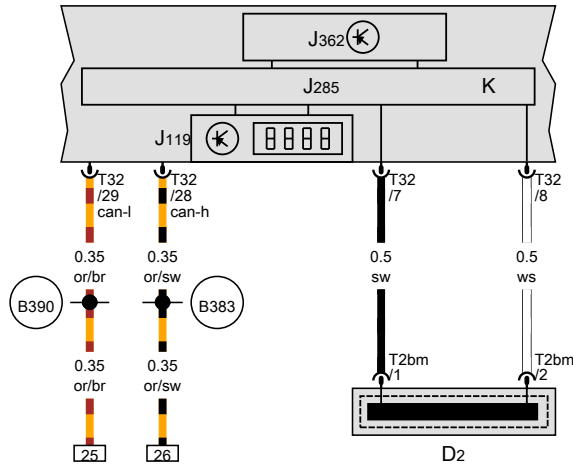


Entry and start authorisation control unit, Onboard supply control unit, Terminal 50 voltage supply relay, Interior aerial 1 for entry and start system, Interior aerial 2 for entry and start system

- B Starter
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J682 Terminal 50 voltage supply relay
- R138 Interior aerial 1 for entry and start system, under centre console
- R139 Interior aerial 2 for entry and start system, in interior
- T2fs 2-pin connector
- T2ft 2-pin connector
- T6as 6-pin connector, red
- T9g 9-pin connector
- T32e 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

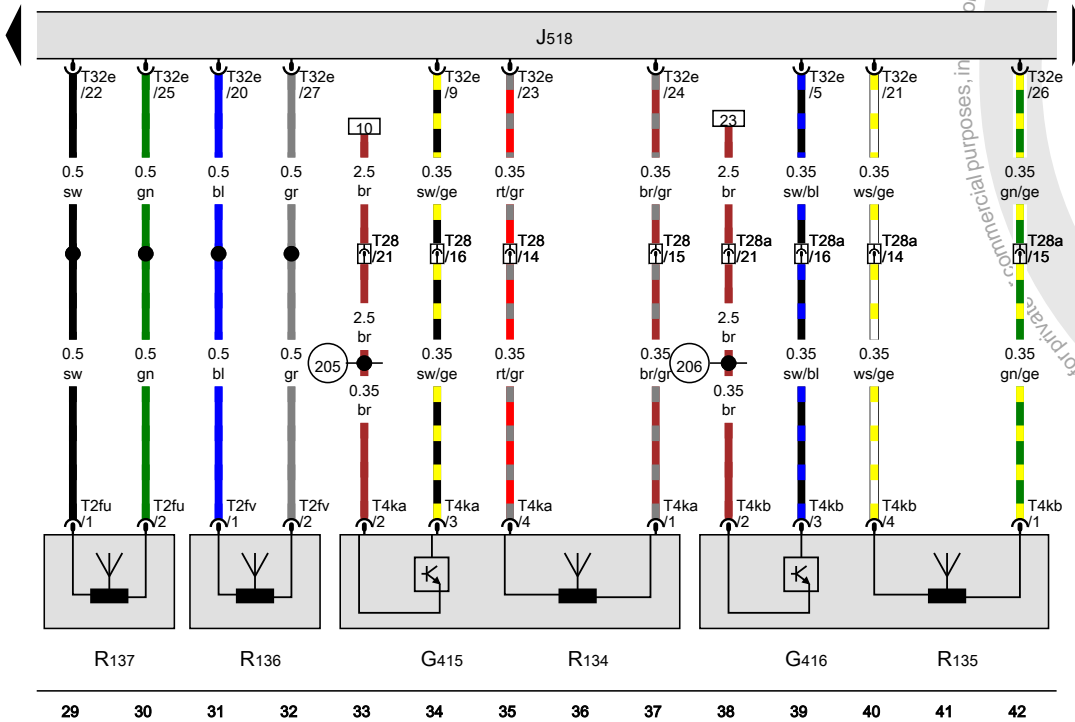
- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 367 Earth connection 2, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Immobiliser reader coil, Driver door exterior handle contact sensor, Front passenger door exterior handle contact sensor, Multifunction indicator, Immobiliser control unit, Entry and start authorisation control unit, Dash panel insert, Driver side aerial for entry and start system, Passenger side aerial for entry and start system, Rear bumper aerial for entry and start system, Luggage compartment aerial for entry and start system

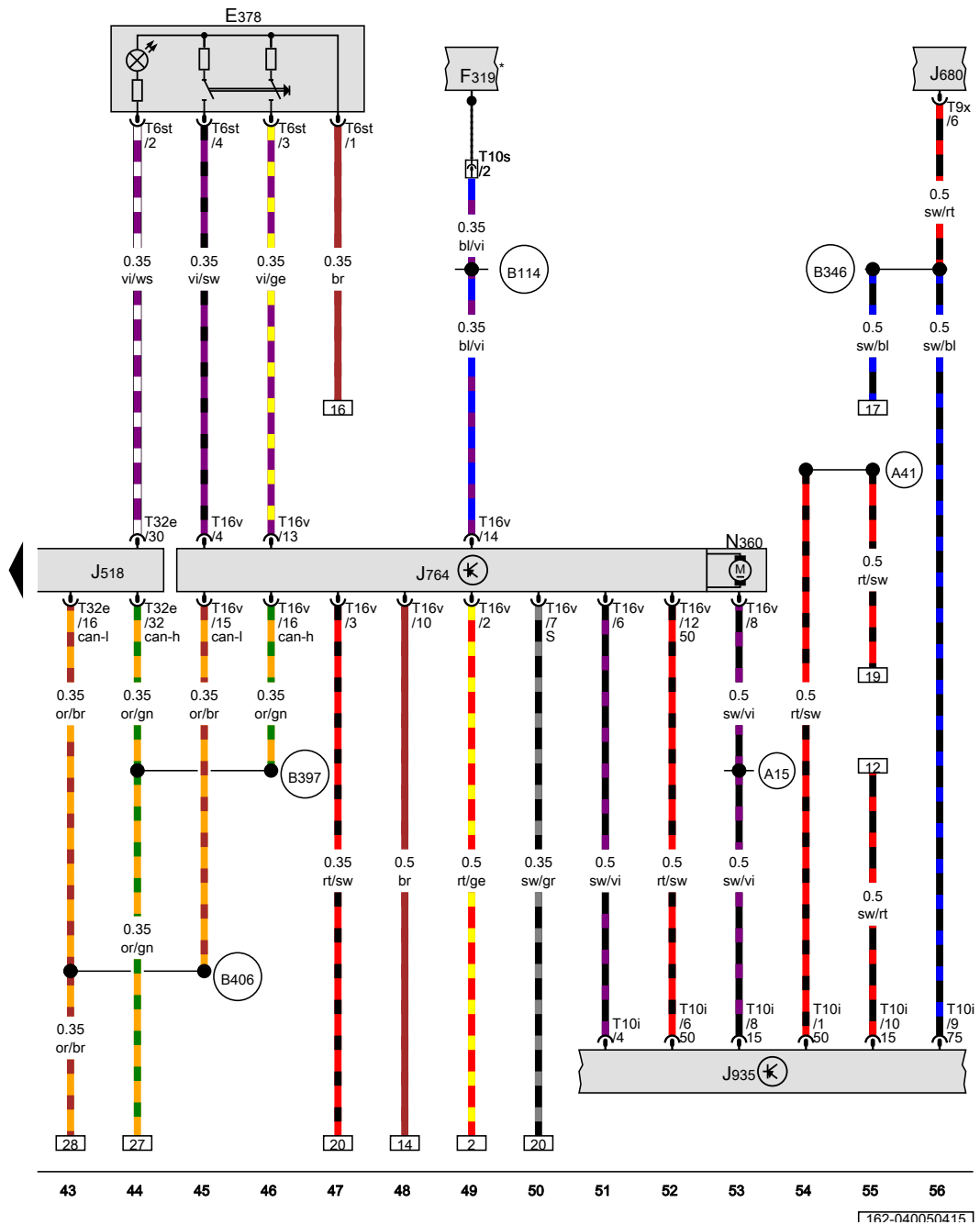
- D2 Immobiliser reader coil
- G415 Driver door exterior handle contact sensor
- G416 Front passenger door exterior handle contact sensor
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J518 Entry and start authorisation control unit
- K Dash panel insert
- R134 Driver side aerial for entry and start system
- R135 Passenger side aerial for entry and start system
- R136 Rear bumper aerial for entry and start system
- R137 Luggage compartment aerial for entry and start system
- T2bm 2-pin connector
- T2fu 2-pin connector
- T2fv 2-pin connector
- T4ka 4-pin connector
- T4kb 4-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T32 32-pin connector
- T32e 32-pin connector



- 205 Earth connection, in driver door wiring harness
- 206 Earth connection, in front passenger door wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-04004015



Starter button, Entry and start authorisation control unit, Control unit for electronic steering column lock, Converter box

- E378 Starter button
- F319 Selector lever locked in position P switch
- J518 Entry and start authorisation control unit
- J680 Terminal 75 voltage supply relay 1
- J764 Control unit for electronic steering column lock
- J935 Converter box
- N360 Steering column lock control element
- T6st 6-pin connector
- T9x 9-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T16v 16-pin connector
- T32e 32-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with automatic gearbox

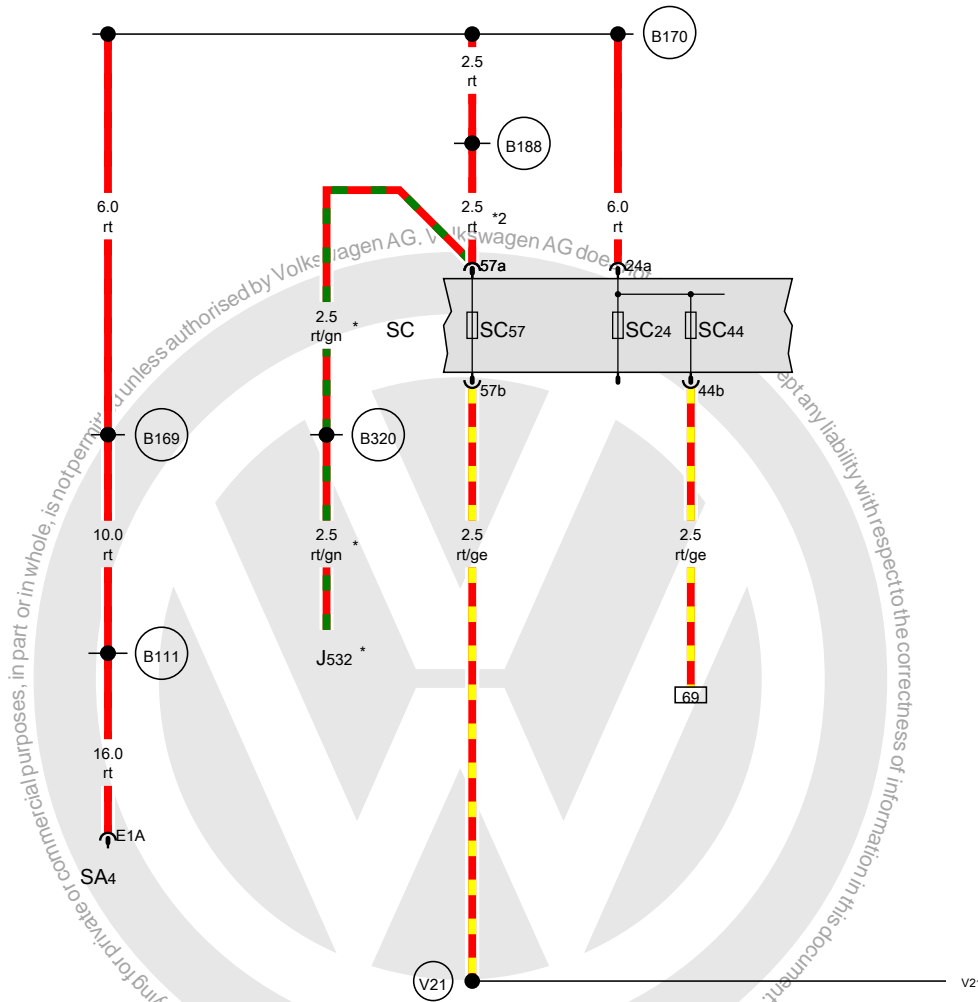
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-040050415

Radio navigation system RNS 510 , (7T3),(7T6)

From April 2010





Fuse 4 in fuse holder A, Fuse holder C

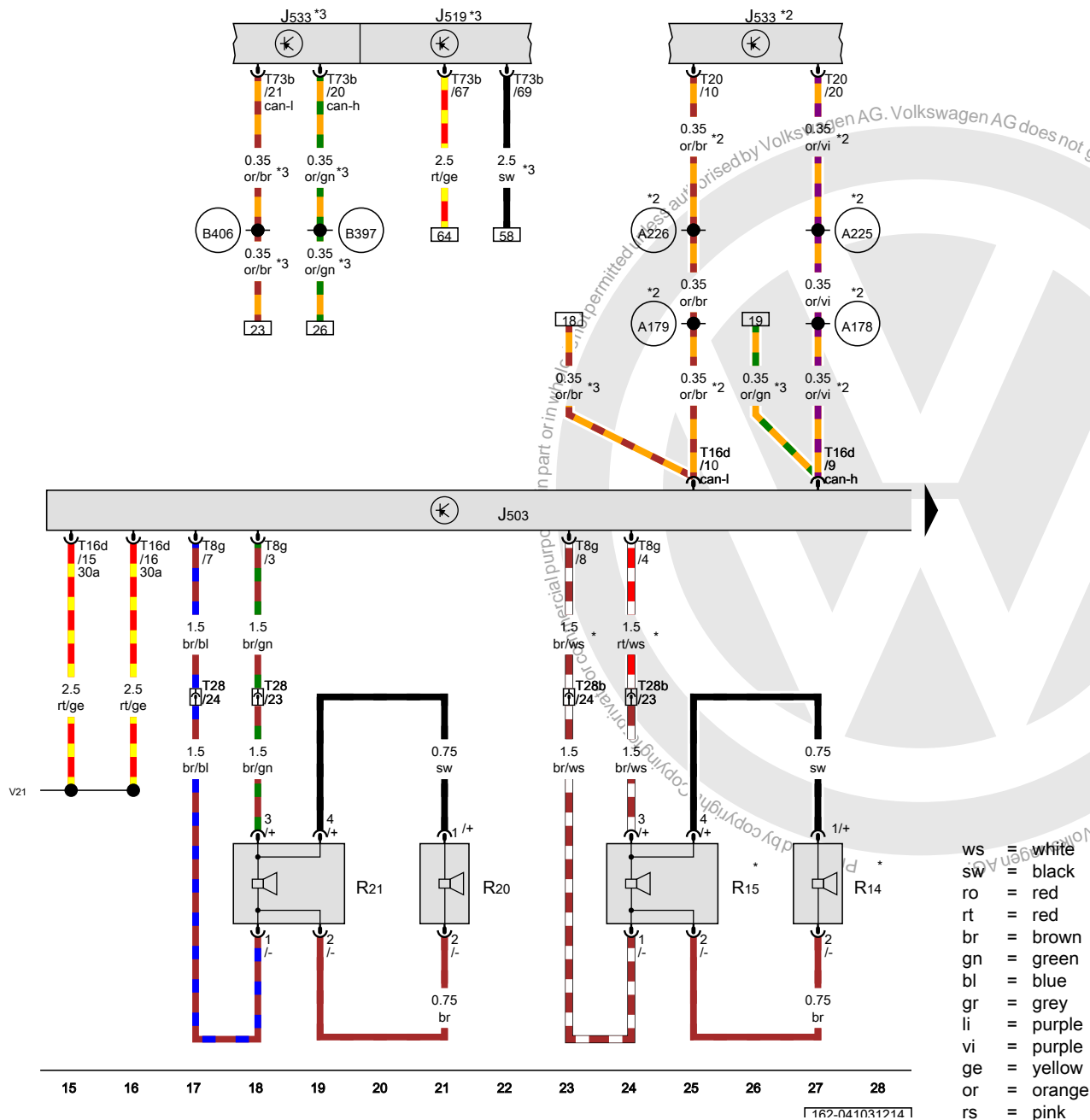
- J532 Voltage stabiliser
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C

- (B111) Positive connection 1 (30a), in interior wiring harness
- (B169) Positive connection 1 (30), in interior wiring harness
- (B170) Positive connection 2 (30), in interior wiring harness
- (B188) Positive connection 5 (30), in interior wiring harness
- (B320) Positive connection 6 (30a) in main wiring harness
- (V21) Positive connection (30), in radio - amplifier wiring harness

- * Only models with stop/start system
- *2 Only models with no start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit with display for radio and navigation, Onboard supply control unit, Data bus diagnostic interface, Front left treble loudspeaker, Front left bass loudspeaker

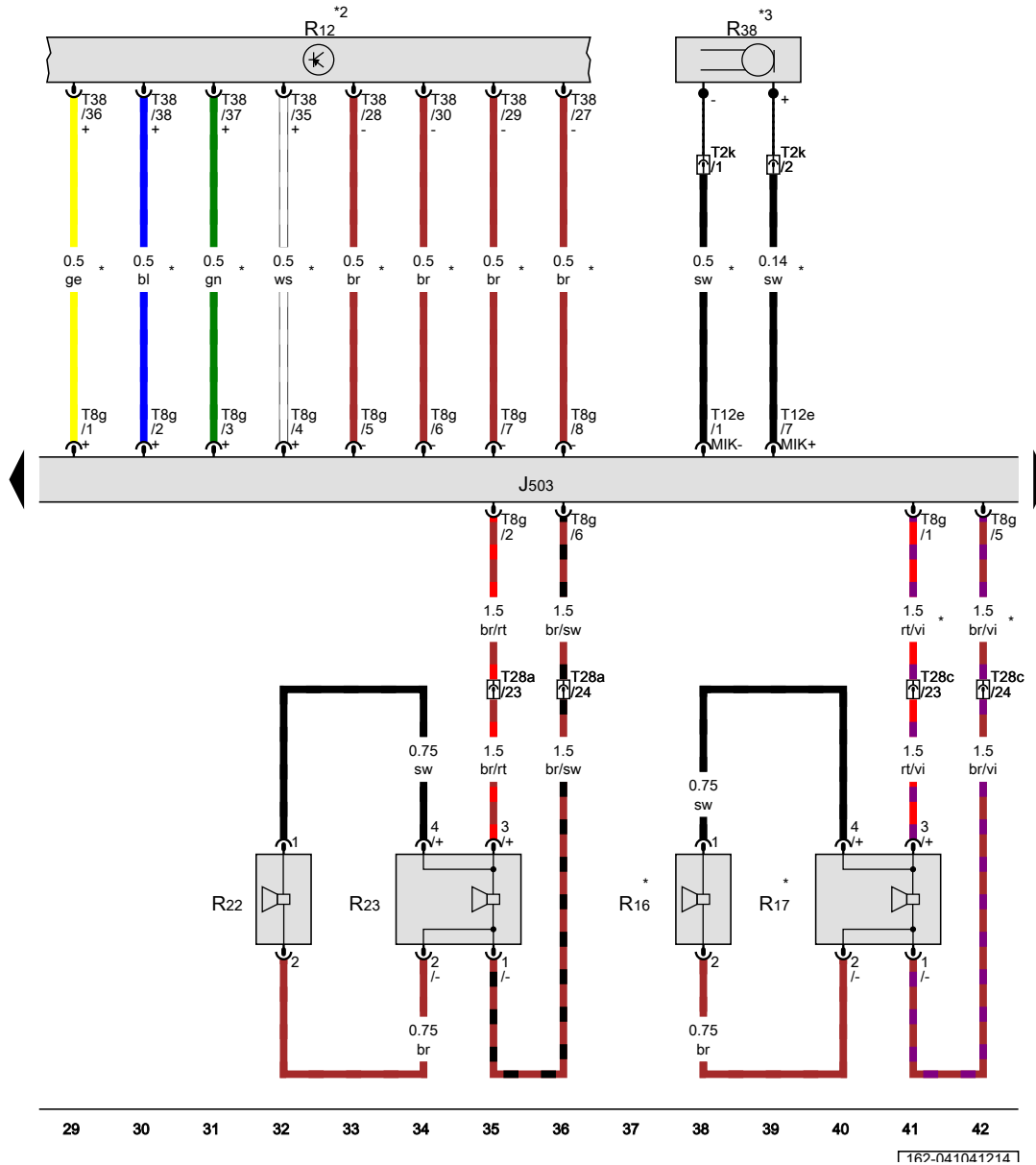


- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T8g 8-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T28 28-pin connector
- T28b 28-pin connector
- T73b 73-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness
- According to equipment
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)

162-041031214

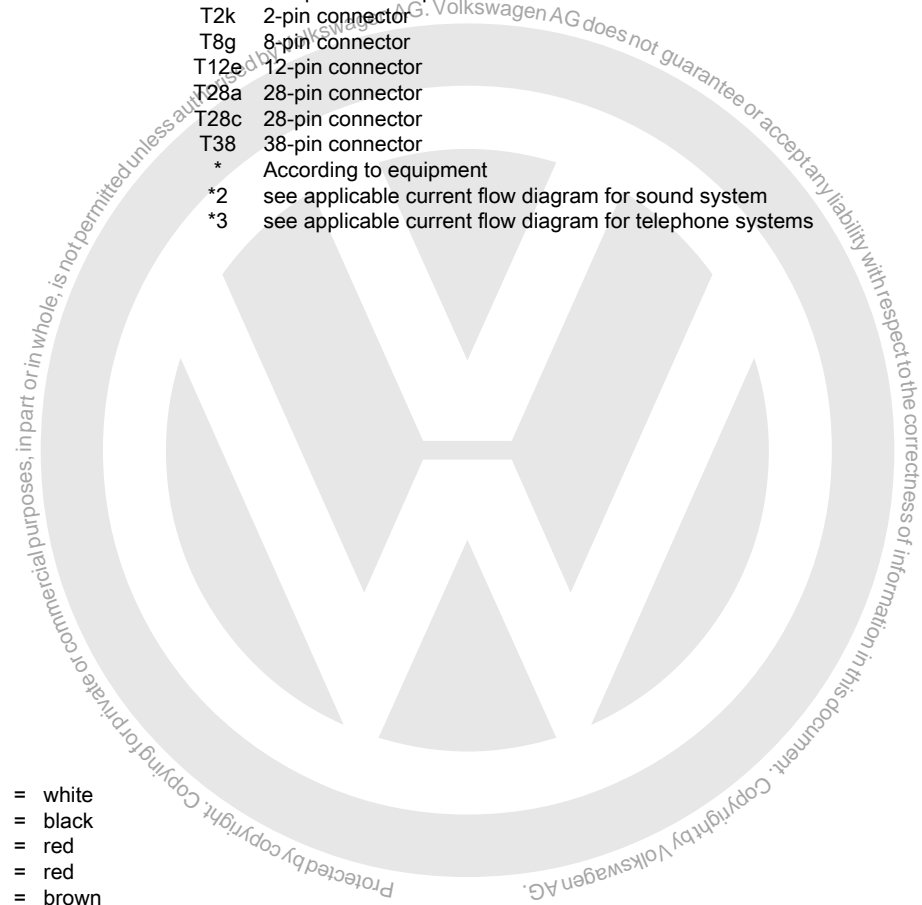
Control unit with display for radio and navigation, Front right treble loudspeaker, Front right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R12 Amplifier
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R38 Telephone microphone
- T2k 2-pin connector
- T8g 8-pin connector
- T12e 12-pin connector
- T28a 28-pin connector
- T28c 28-pin connector
- T38 38-pin connector
- * According to equipment
- *2 see applicable current flow diagram for sound system
- *3 see applicable current flow diagram for telephone systems

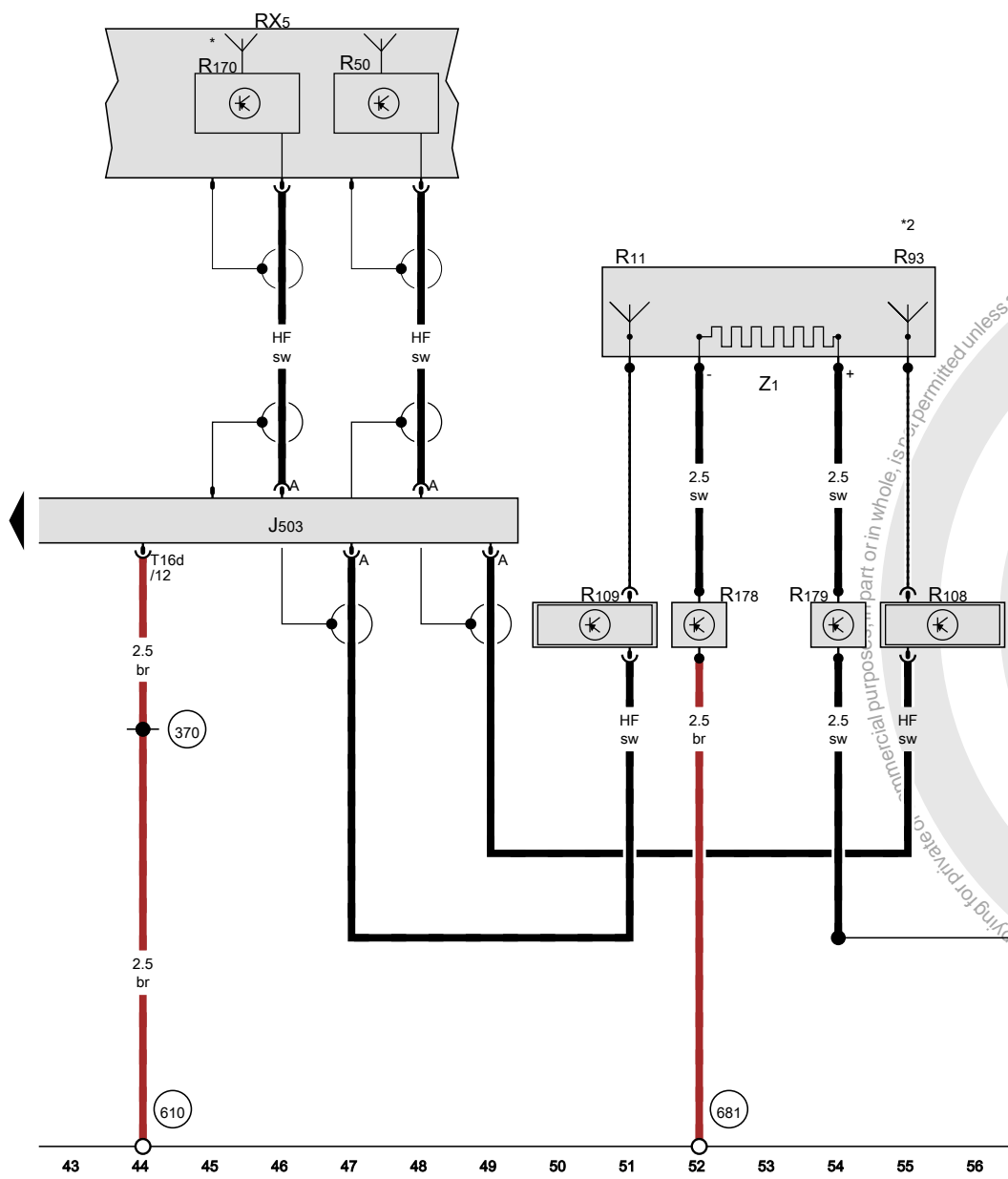


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-041041714



Control unit with display for radio and navigation, GPS aerial, Left aerial module, Right aerial module, Heated rear window



- J503 Control unit with display for radio and navigation
- RX5 Roof aerial
- R11 Aerial
- R50 GPS aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R170 Satellite aerial
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T16d 16-pin connector
- Z1 Heated rear window

- (370) Earth connection 5, in main wiring harness
- (610) Earth point (audio), front below centre console
- (681) Earth point 1, in rear right side panel
- (B180) Connection (heated rear window), in interior wiring harness
- * Only for American markets
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-041051214

Heated rear window relay

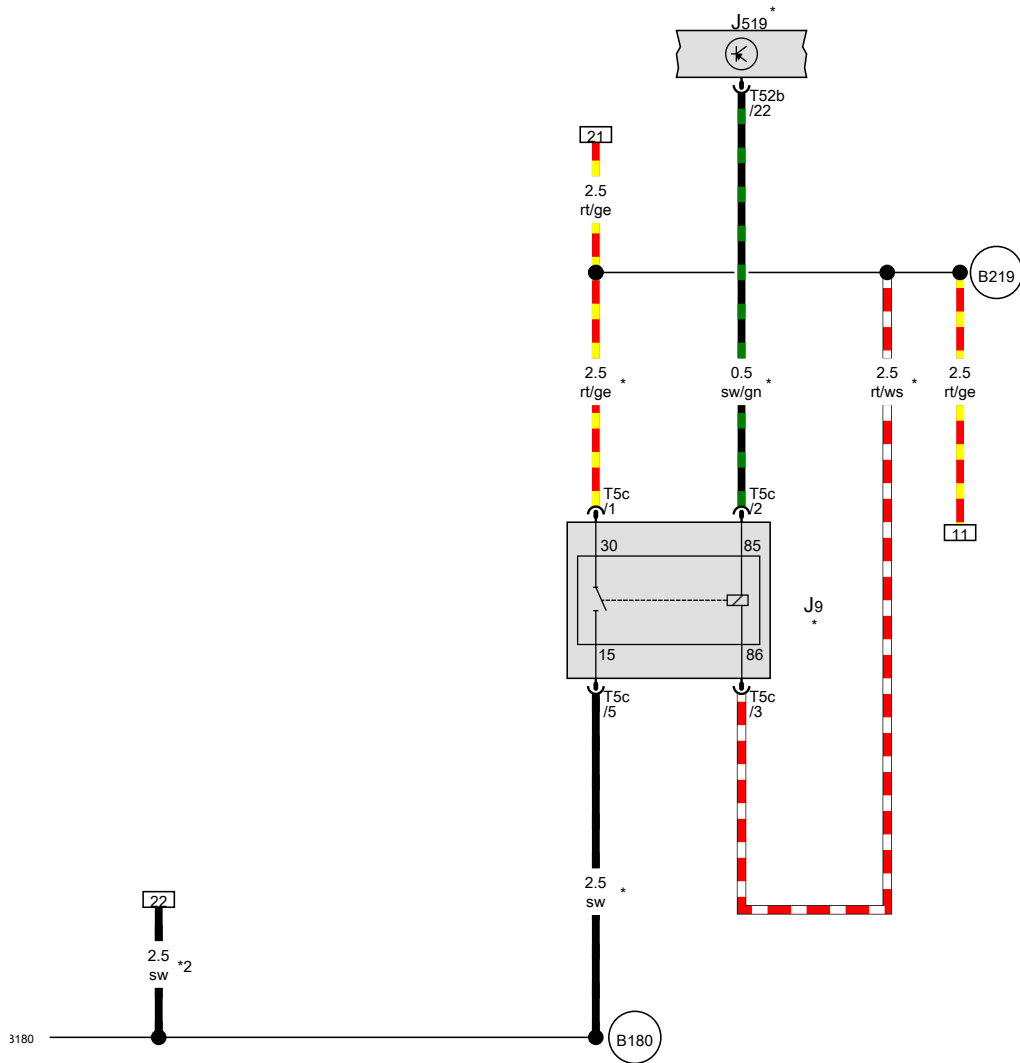
- J9 Heated rear window relay
- J519 Onboard supply control unit
- T5c 5-pin connector
- T52b 52-pin connector

B180 Connection (heated rear window), in interior wiring harness

B219 Positive connection 4 (30a), in interior wiring harness

* Only models with "High" equipment (AW1)

*2 Only models with "Low" equipment (AW0)



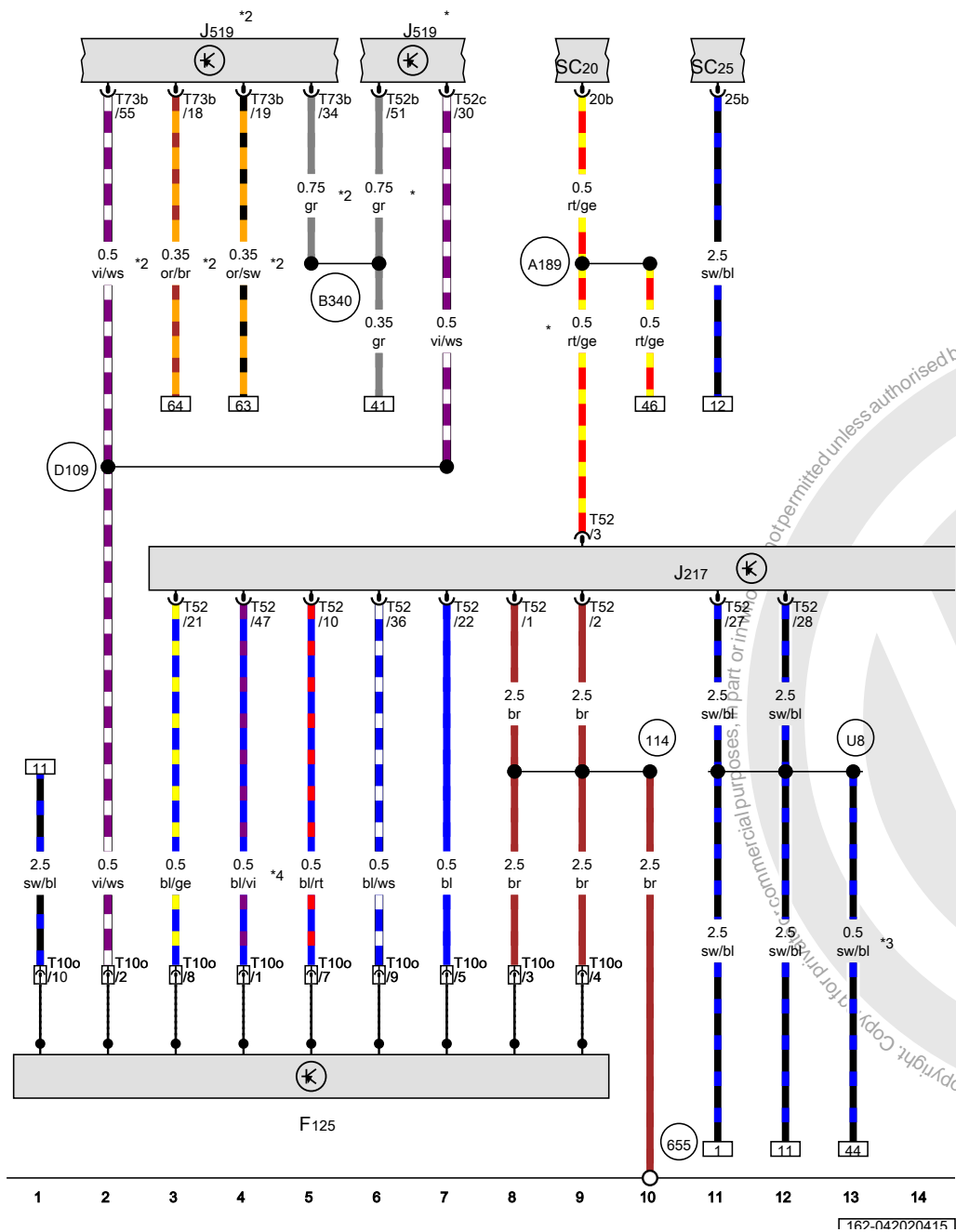
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

6-speed automatic gearbox 09G , (0ER)

From April 2010



Multifunction switch, Automatic gearbox control unit, Onboard supply control unit, Fuse 20 on fuse holder C, Fuse 25 on fuse holder C

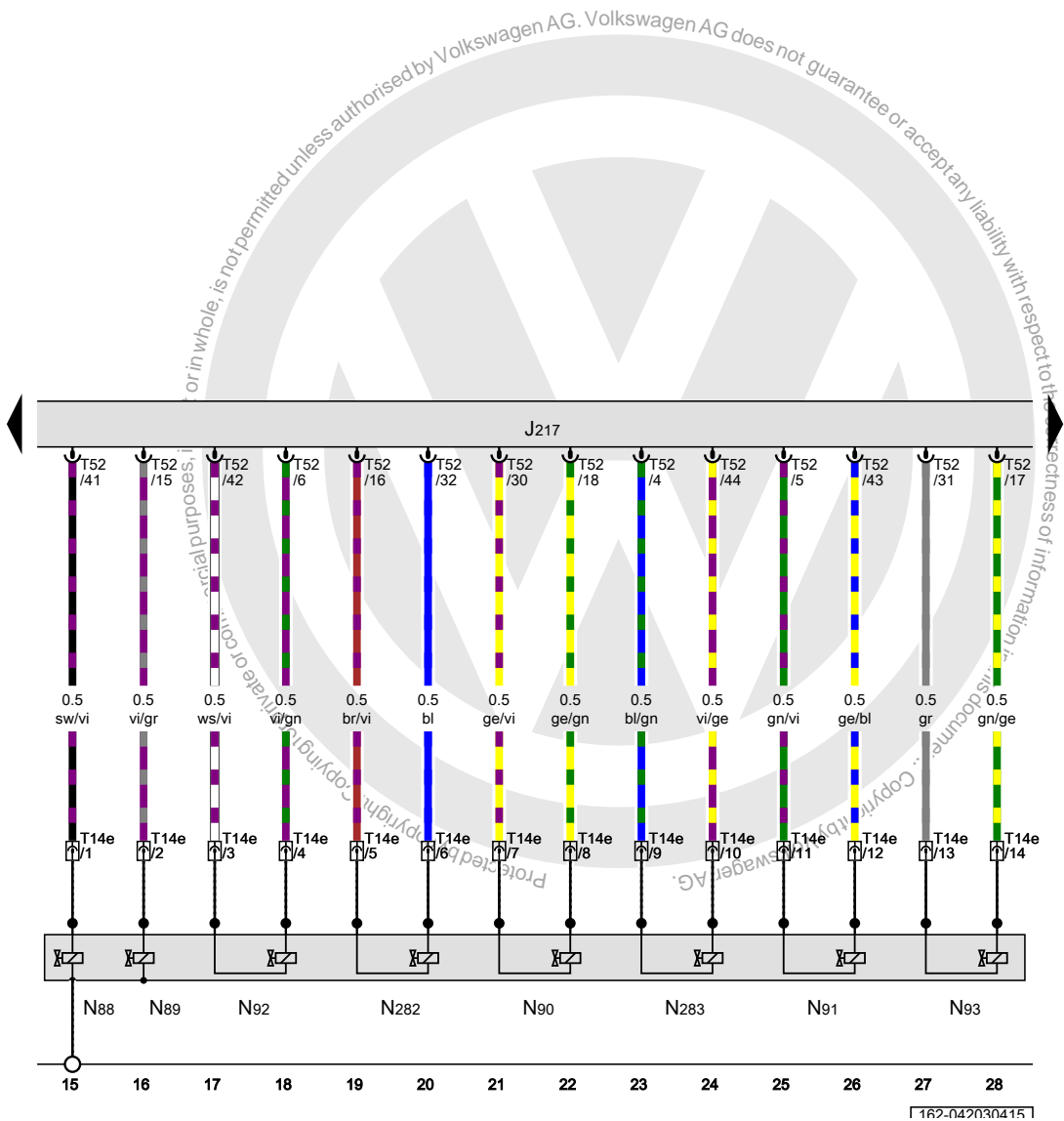


- F125 Multifunction switch
- J217 Automatic gearbox control unit
- J519 Onboard supply control unit
- SC20 Fuse 20 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- T10o 10-pin connector
- T52 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T73b 73-pin connector
- 114 Earth connection, in automatic gearbox wiring harness
- 655 Earth point, on left headlight
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- D109 Connection 7 in engine compartment wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)
- *3 Up to May 2012
- *4 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

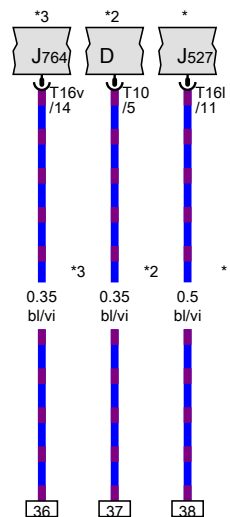
Automatic gearbox control unit, Solenoid valve 1, Solenoid valve 2, Solenoid valve 3, Solenoid valve 4, Solenoid valve 5, Solenoid valve 6, Solenoid valve 9, Solenoid valve 10

- J217 Automatic gearbox control unit
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N92 Solenoid valve 5
- N93 Solenoid valve 6
- N282 Solenoid valve 9
- N283 Solenoid valve 10
- T14e 14-pin connector
- T52 52-pin connector



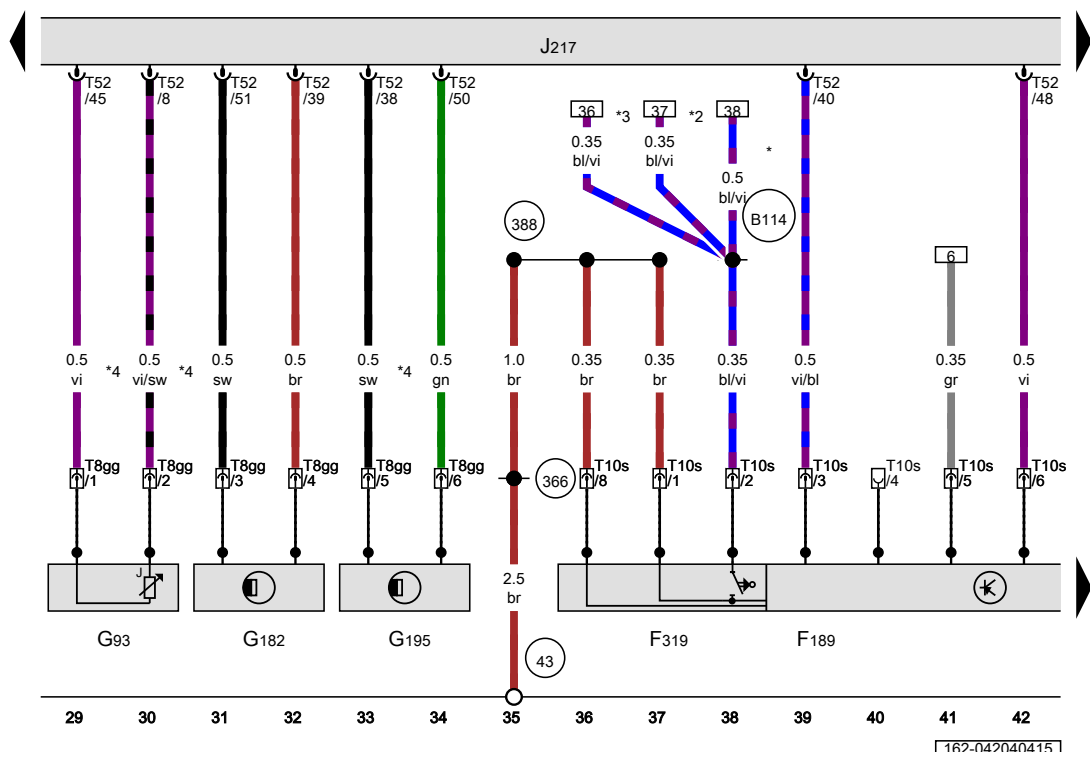
162-042030415

Tiptronic switch, Selector lever locked in position P switch, Gearbox oil temperature sender, Gearbox input speed sender, Gearbox output speed sender, Automatic gearbox control unit



- D Ignition/starter switch
- F189 Tiptronic switch
- F319 Selector lever locked in position P switch
- G93 Gearbox oil temperature sender
- G182 Gearbox input speed sender
- G195 Gearbox output speed sender
- J217 Automatic gearbox control unit
- J527 Steering column electronics control unit
- J764 Control unit for electronic steering column lock
- T8gg 8-pin connector
- T10 10-pin connector
- T10s 10-pin connector
- T16l 16-pin connector
- T16v 16-pin connector
- T52 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with entry and start authorisation
- *4 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

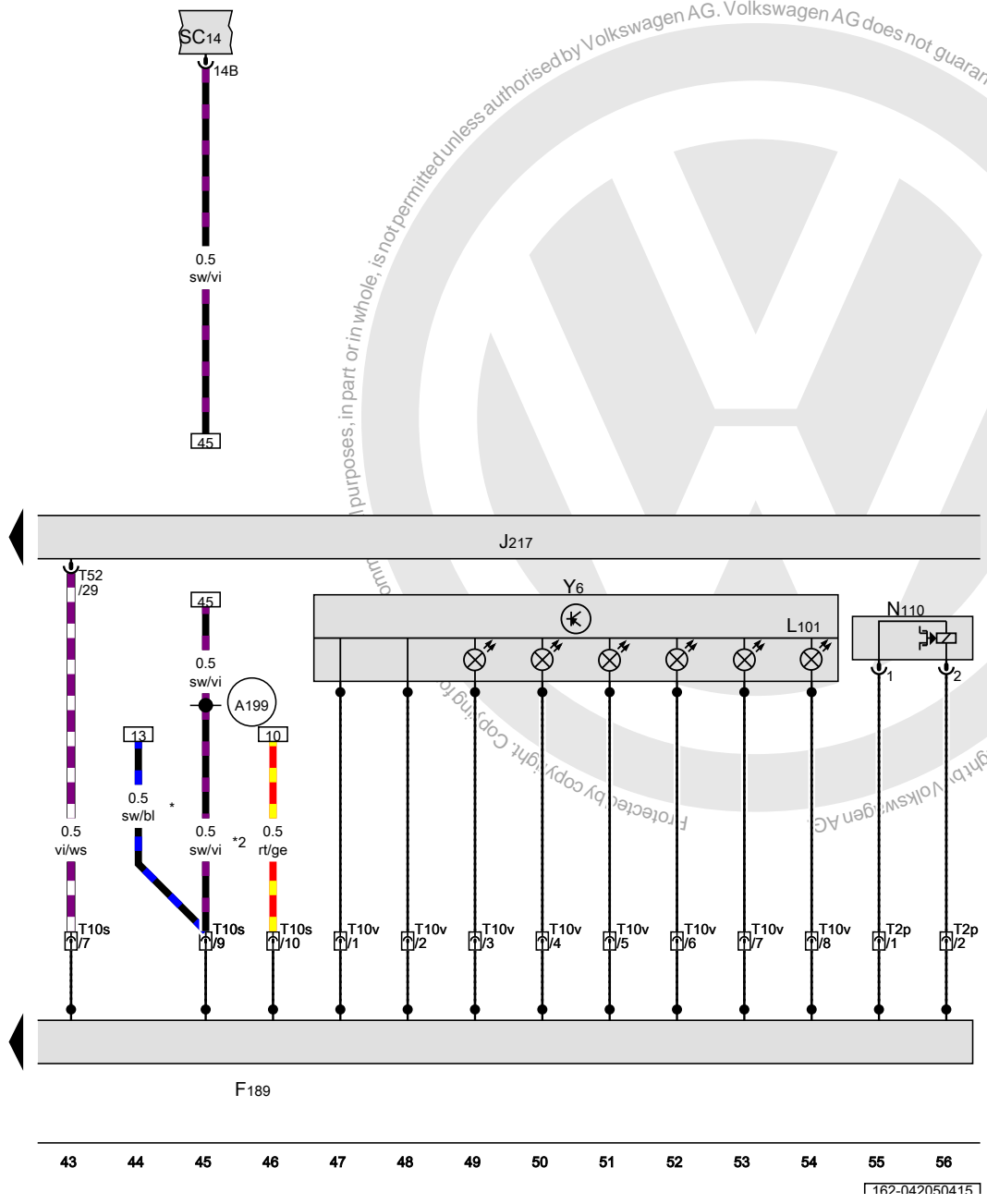
162-042040415

Tiptronic switch, Automatic gearbox control unit, Selector lever display illumination bulb, Selector lever lock solenoid, Selector lever position display

- F189 Tiptronic switch
- J217 Automatic gearbox control unit
- L101 Selector lever display illumination bulb
- N110 Selector lever lock solenoid
- SC14 Fuse 14 on fuse holder C
- T2p 2-pin connector
- T10s 10-pin connector
- T10v 10-pin connector
- T52 52-pin connector
- Y6 Selector lever position display

A199 Positive connection 4 (15a) in dash panel wiring harness

- * Up to May 2012
- *2 From June 2012



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-042050415

Multifunction indicator, Automatic gearbox control unit, Control unit in dash panel insert, Data bus diagnostic interface

- J119 Multifunction indicator
- J217 Automatic gearbox control unit
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52 52-pin connector

A76 Connection (K-diagnosis wire), in dash panel wiring harness

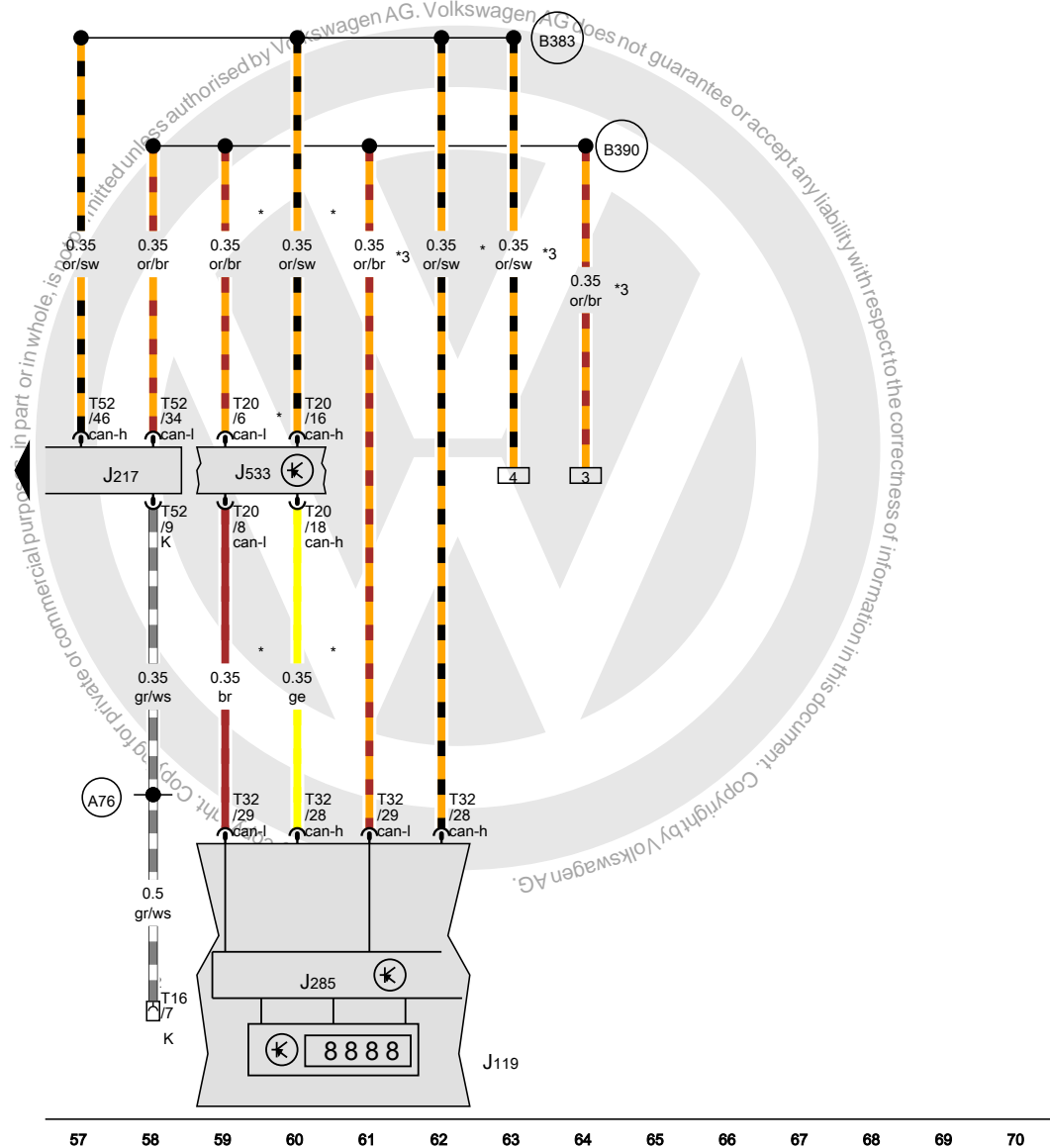
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with "High" equipment (AW1)

*2 Diagnostic connection

*3 Only models with "Low" equipment (AW0)

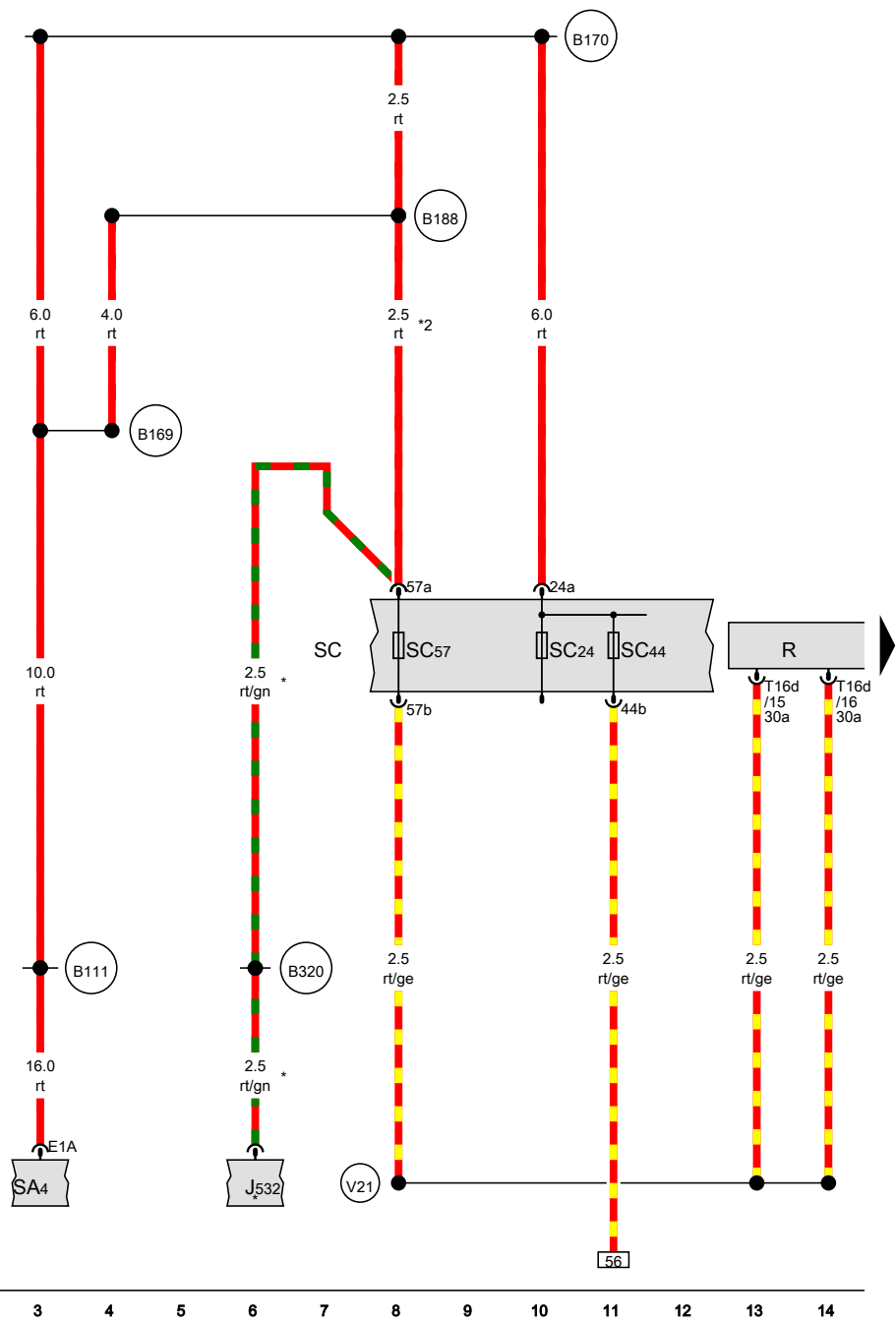


162-042060415

Radio system RCD 510 , (8AI),(8AU),(8AX),(8DD)

From April 2010





Radio, Fuse 4 in fuse holder A, Fuse holder C, Fuse 57 on fuse holder C

- J532 Voltage stabiliser
- R Radio
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T16d 16-pin connector

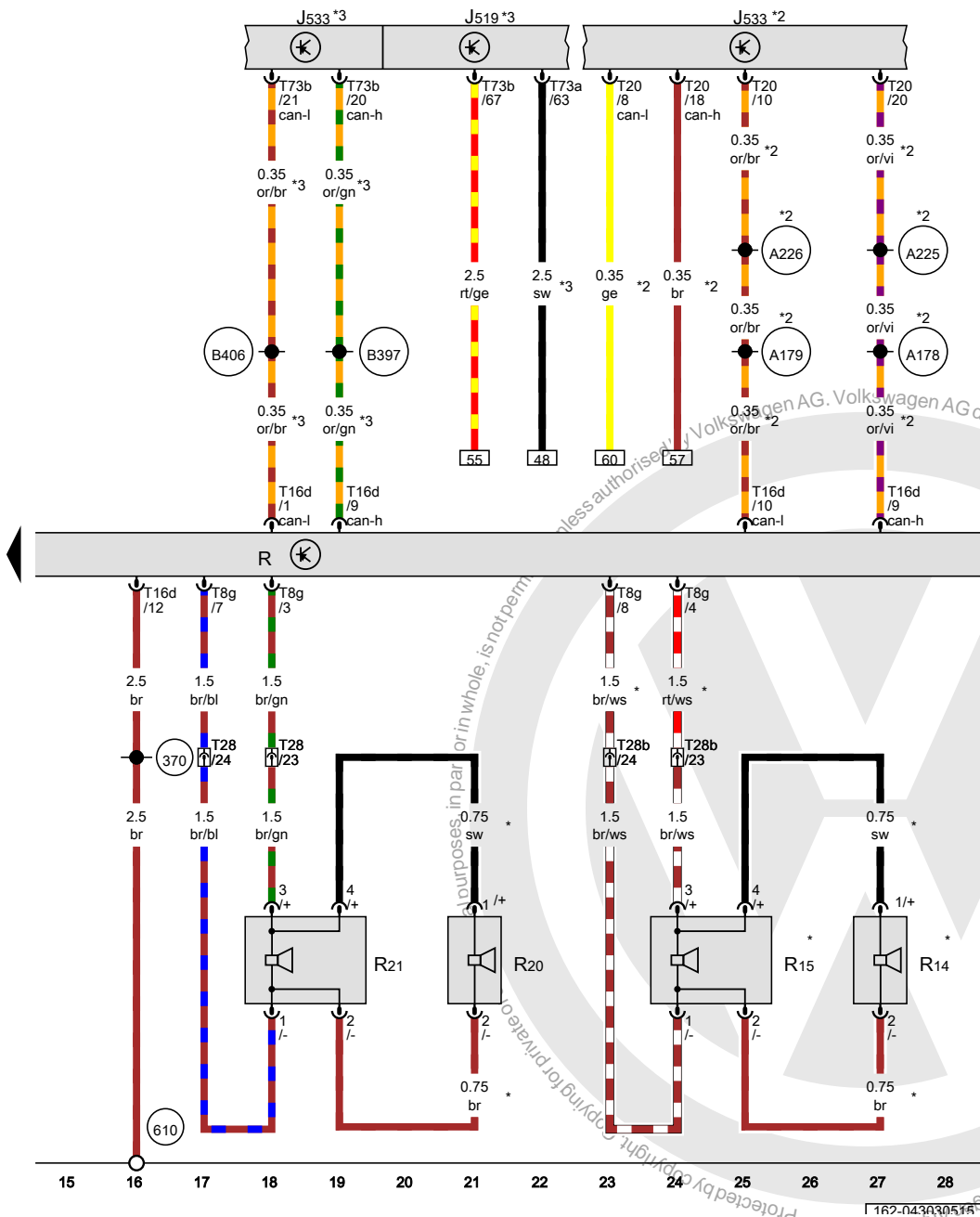
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B188 Positive connection 5 (30), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness

* Only models with stop/start system
 *2 Only models with no start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-043020515

Onboard supply control unit, Data bus diagnostic interface, Radio, Front left treble loudspeaker, Front left bass loudspeaker



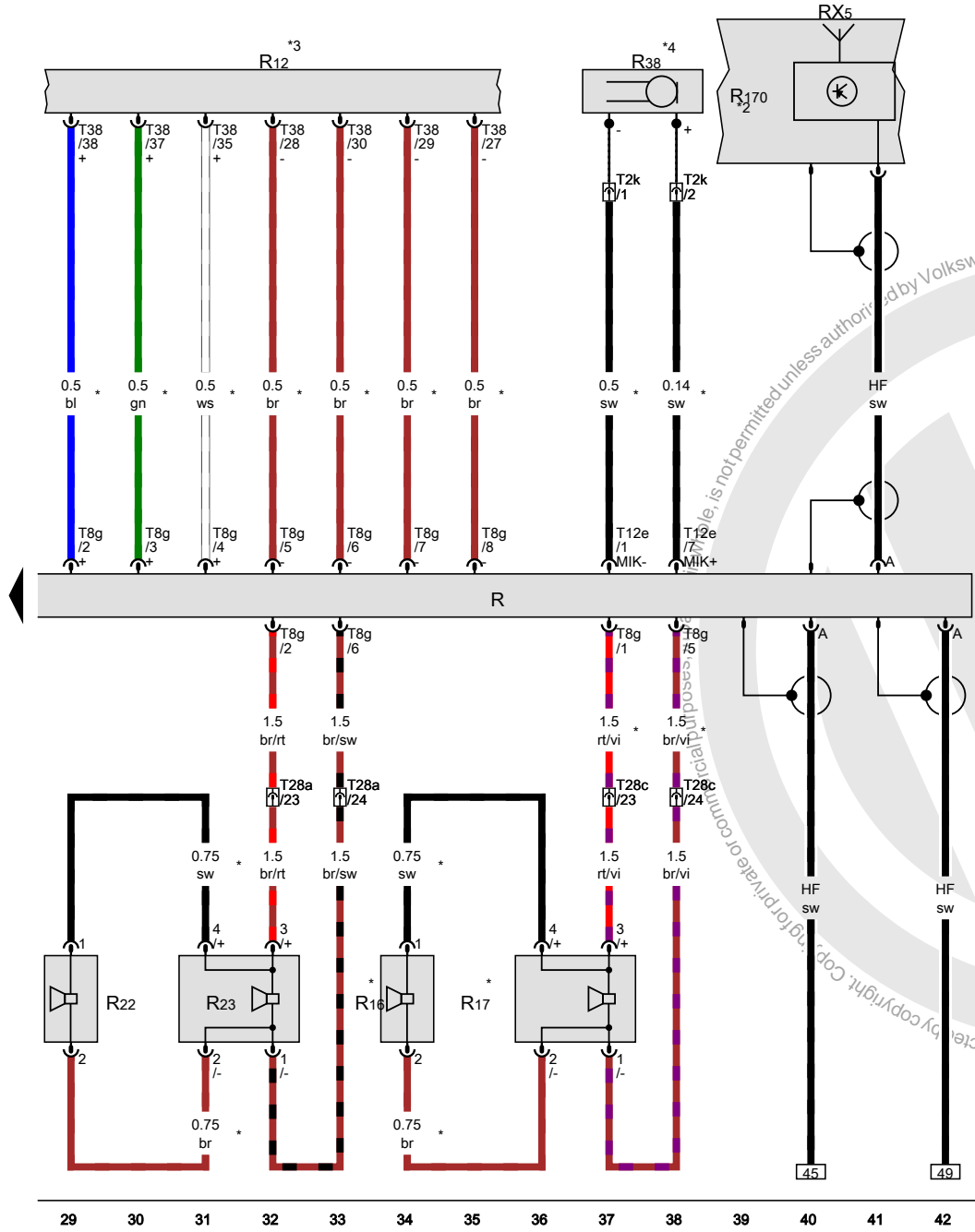
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R Radio
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T8g 8-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T28 28-pin connector
- T28b 28-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- (370) Earth connection 5, in main wiring harness
- (610) Earth point (audio), front below centre console
- (A178) Connection (infotainment CAN bus, high), in dash panel wiring harness
- (A179) Connection (infotainment CAN bus, low), in dash panel wiring harness
- (A225) Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- (A226) Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

* According to equipment
 *2 Only models with "High" equipment (AW1)
 *3 Only models with "Low" equipment (AW0)

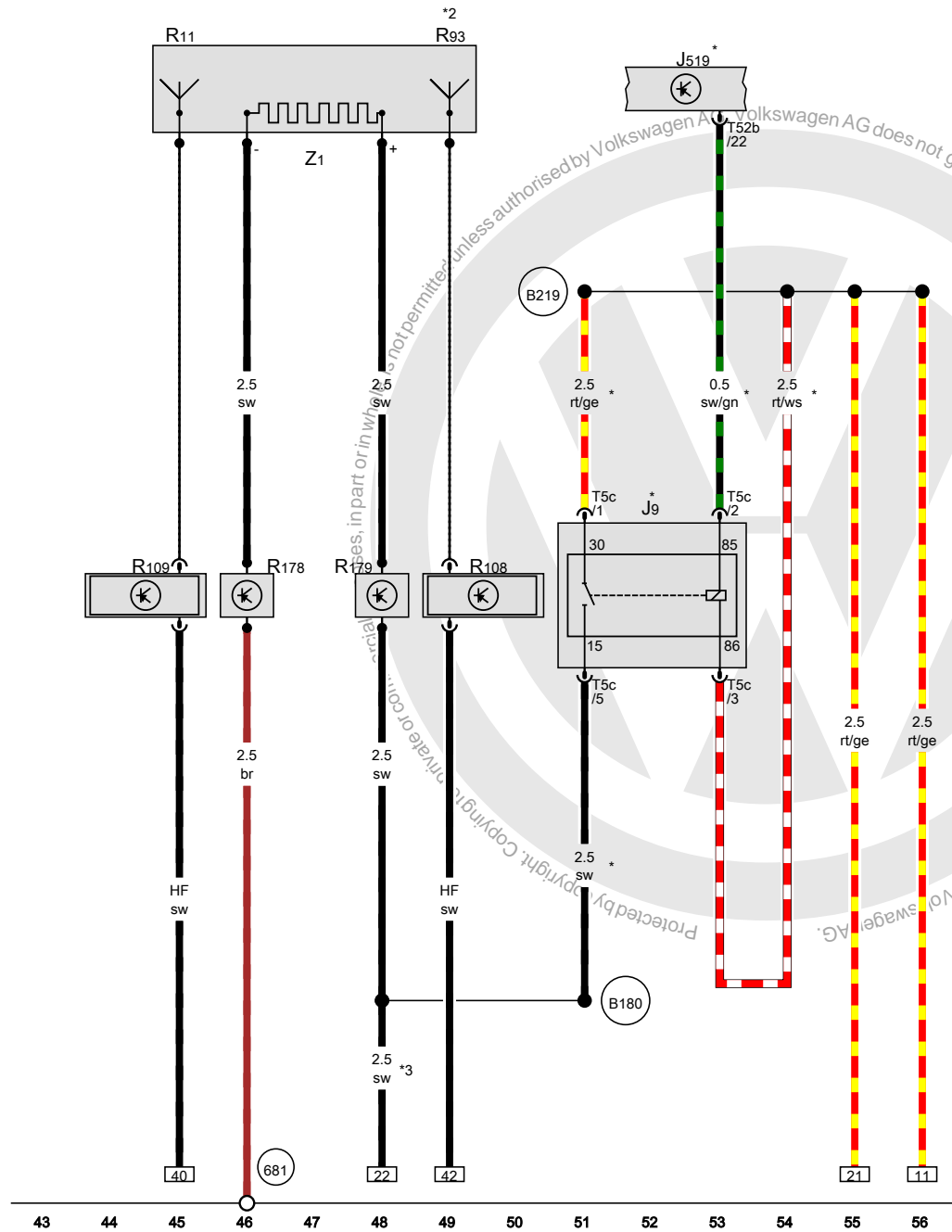
Radio, Front right treble loudspeaker, Front right bass loudspeaker



- R Radio
- RX5 Roof aerial
- R12 Amplifier
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R38 Telephone microphone
- R170 Satellite aerial
- T2k 2-pin connector
- T8g 8-pin connector
- T12e 12-pin connector
- T28a 28-pin connector
- T28c 28-pin connector
- T38 38-pin connector
- * According to equipment
- *2 Only for American markets
- *3 see applicable current flow diagram for sound system
- *4 see applicable current flow diagram for telephone systems

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-043040515



Heated rear window relay, Left aerial module, Right aerial module, Heated rear window

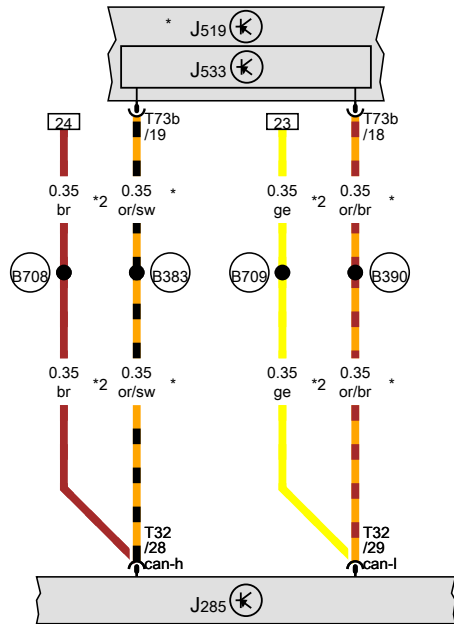
- J9 Heated rear window relay
- J519 Onboard supply control unit
- R11 Aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T5c 5-pin connector
- T52b 52-pin connector
- Z1 Heated rear window

- 681 Earth point 1, in rear right side panel
- B180 Connection (heated rear window), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

- * Only models with "High" equipment (AW1)
- *2 According to equipment
- *3 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

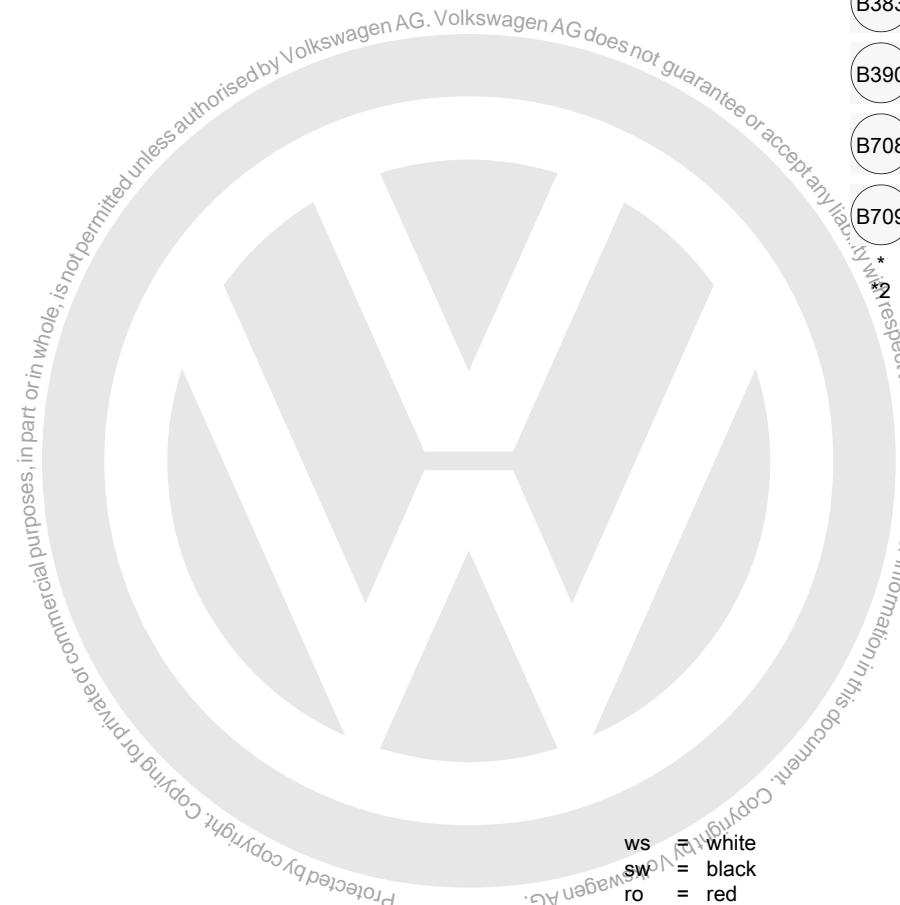
162-043050515



Control unit in dash panel insert

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T32 32-pin connector
- T73b 73-pin connector

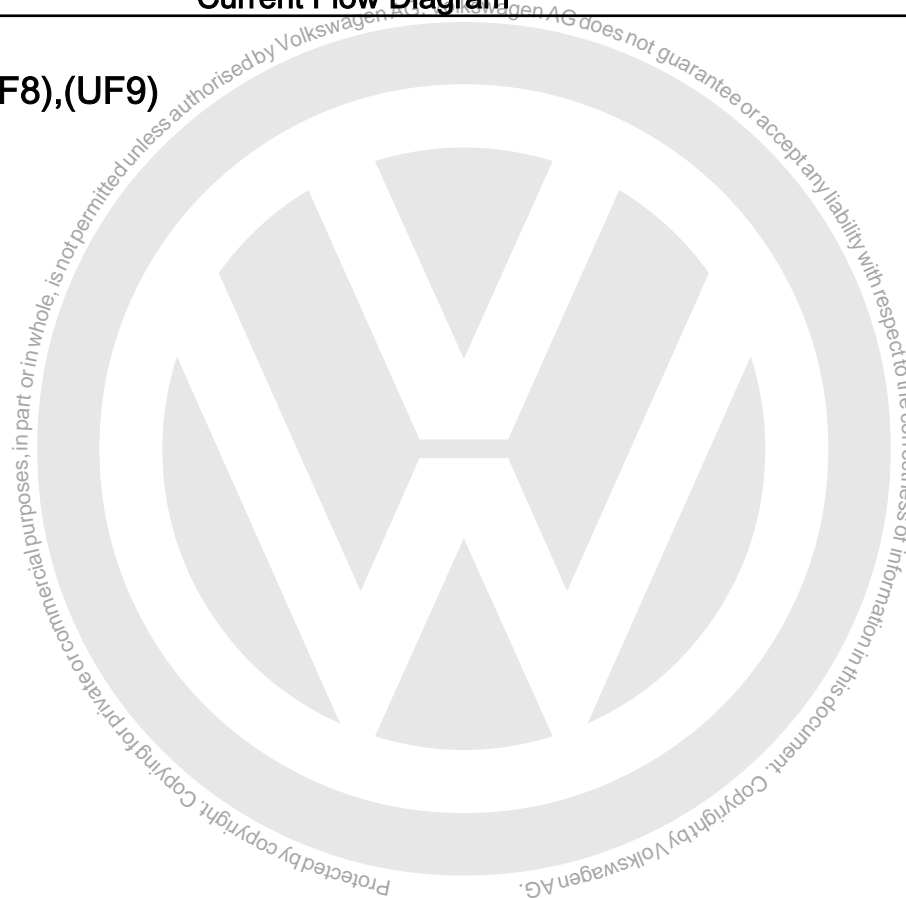
- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- B708** Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709** Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Only models with "Low" equipment (AW0)
- * Only models with "High" equipment (AW1)



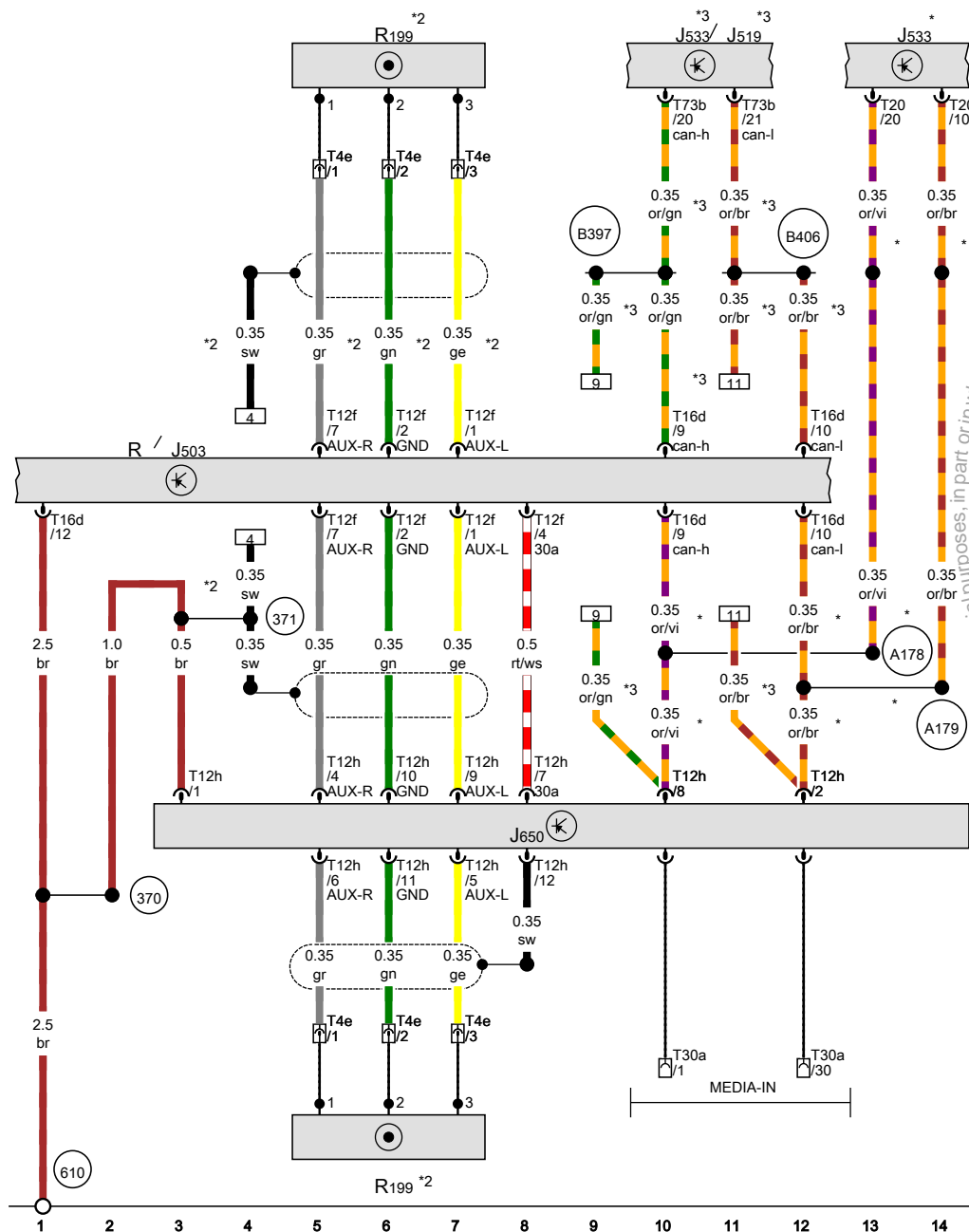
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Multimedia socket MEDIA-IN , (UF6),(UF8),(UF9)

From April 2010



Control unit with display for radio and navigation, Onboard supply control unit, Multimedia system control unit, Radio, Connection for external audio sources



- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J650 Multimedia system control unit
- R Radio
- R199 Connection for external audio sources
- T4e 4-pin connector
- T12f 12-pin connector
- T12h 12-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T30a 30-pin connector
- T73b 73-pin connector
- 370 Earth connection 5, in main wiring harness
- 371 Earth connection 6, in main wiring harness
- 610 Earth point (audio), front below centre console
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 According to equipment
- *3 Only models with "Low" equipment (AW0)

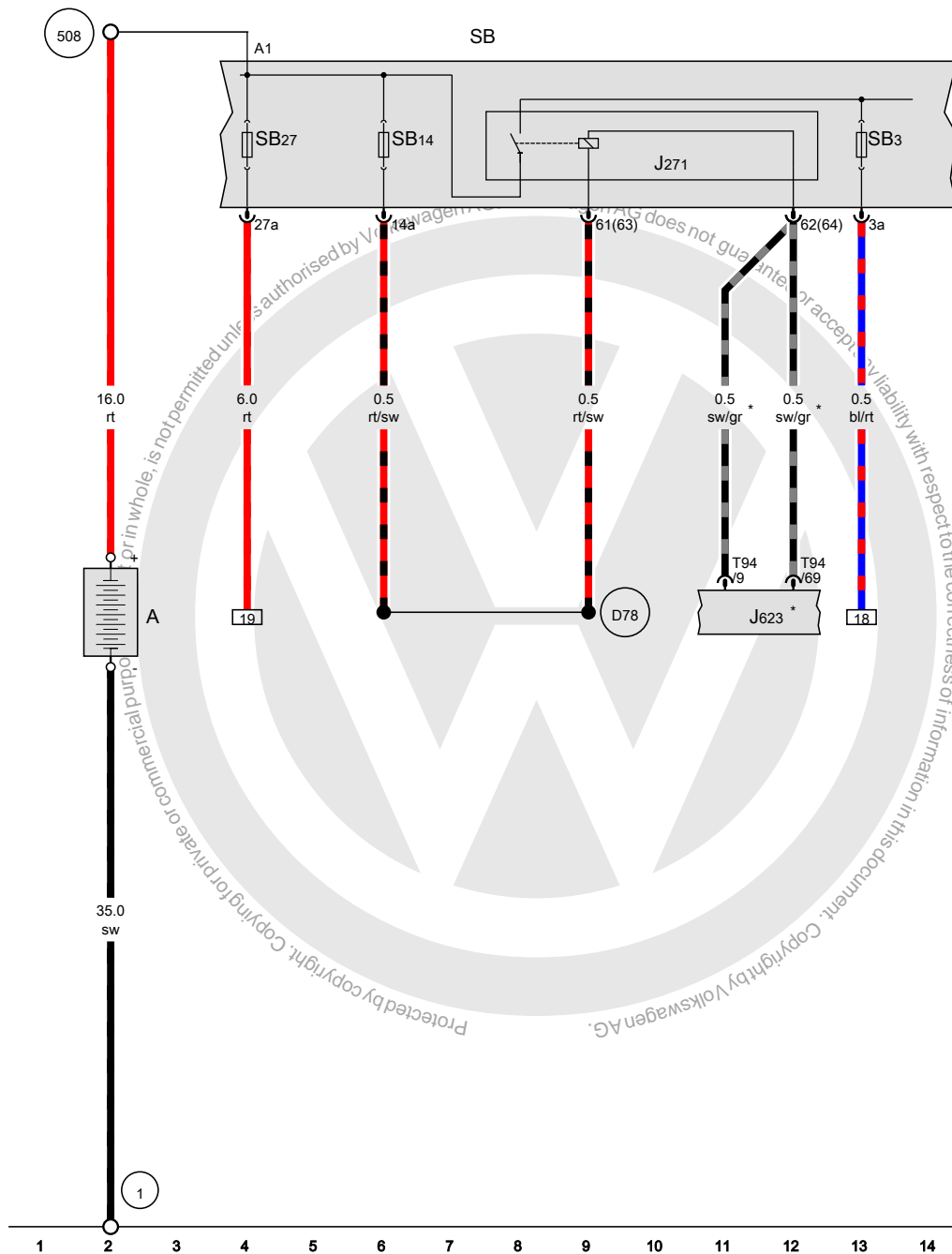
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-044020114

Radiator fan , (9AB),(9AK),(9AP),(KH6)

From April 2010





Battery, Main relay

- A Battery
- J271 Main relay
- J623 Engine control unit
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T94 94-pin connector

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- D78 Positive connection 1 (30a), in engine compartment wiring harness

* see applicable current flow diagram for engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-045020415

Radiator fan control unit, Radiator fan, Right radiator fan, Radiator fan 2

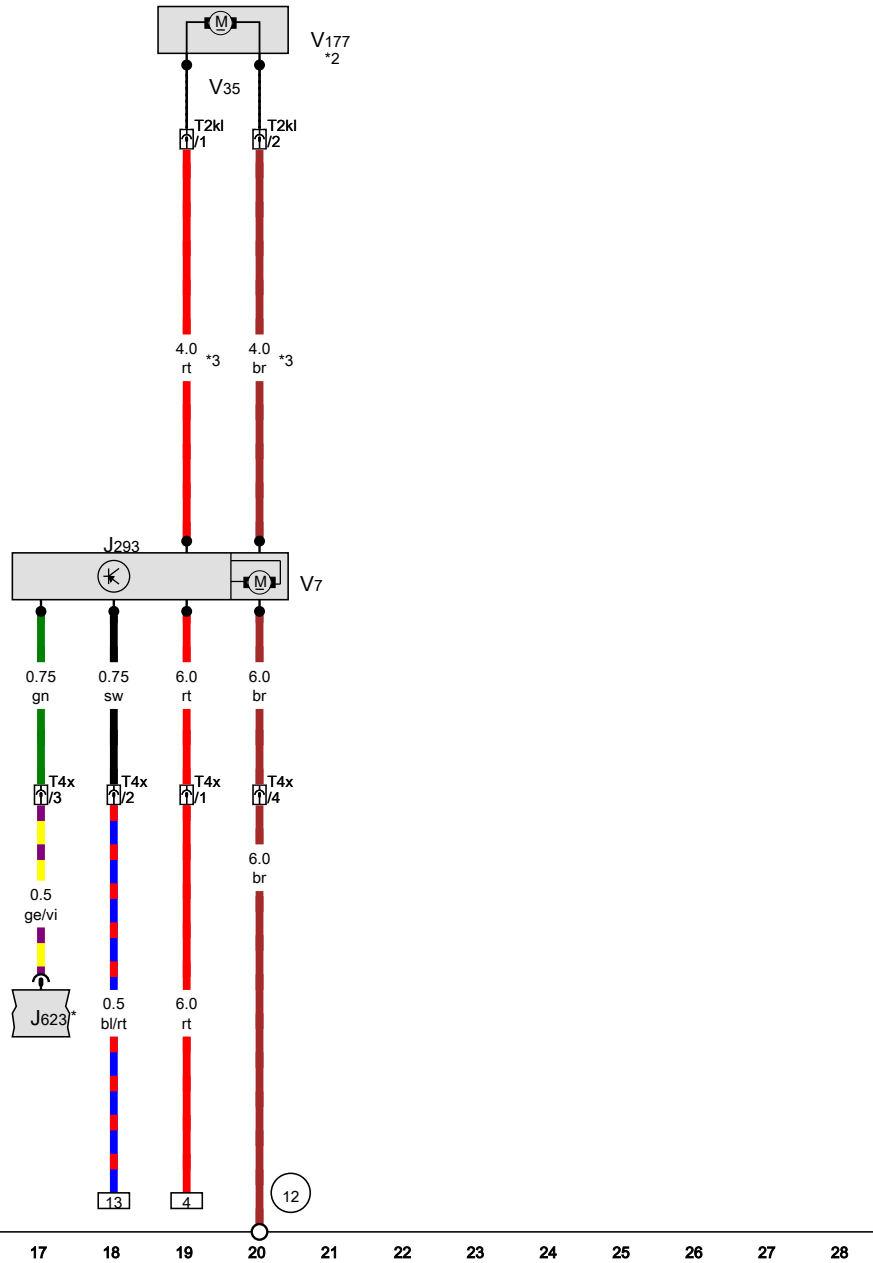
- J293 Radiator fan control unit
- J623 Engine control unit
- T2kl 2-pin connector
- T4x 4-pin connector
- V7 Radiator fan
- V35 Right radiator fan
- V177 Radiator fan 2

12 Earth point, on left in engine compartment

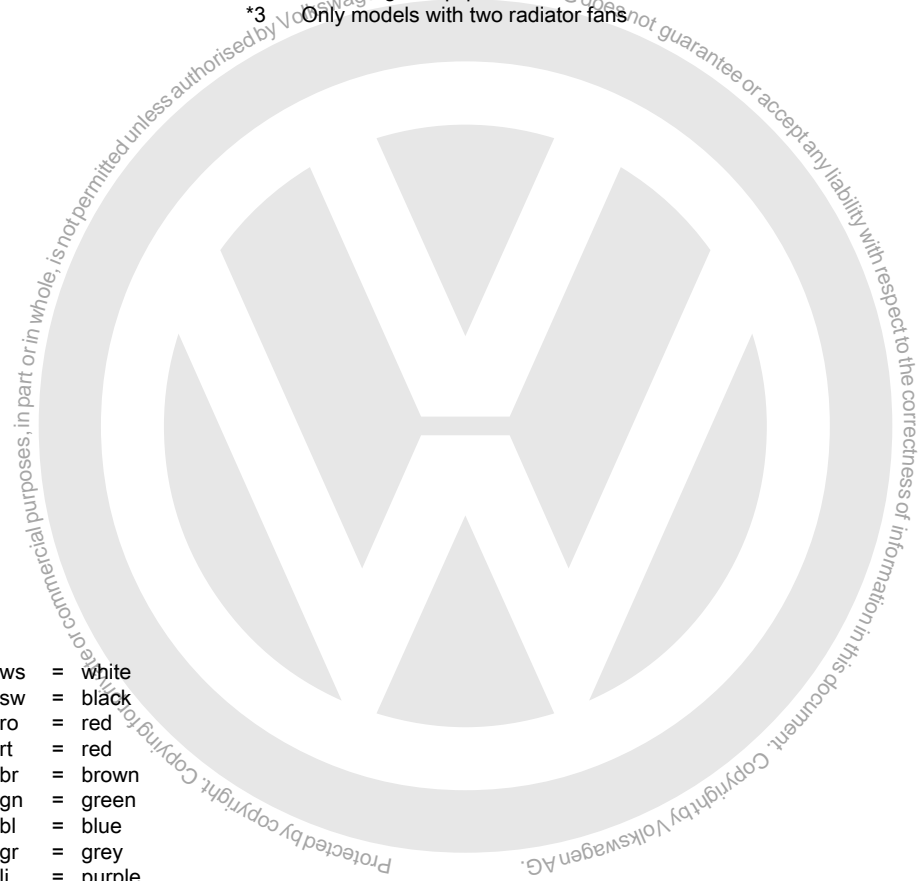
* see applicable current flow diagram for engine

*2 According to equipment

*3 Only models with two radiator fans



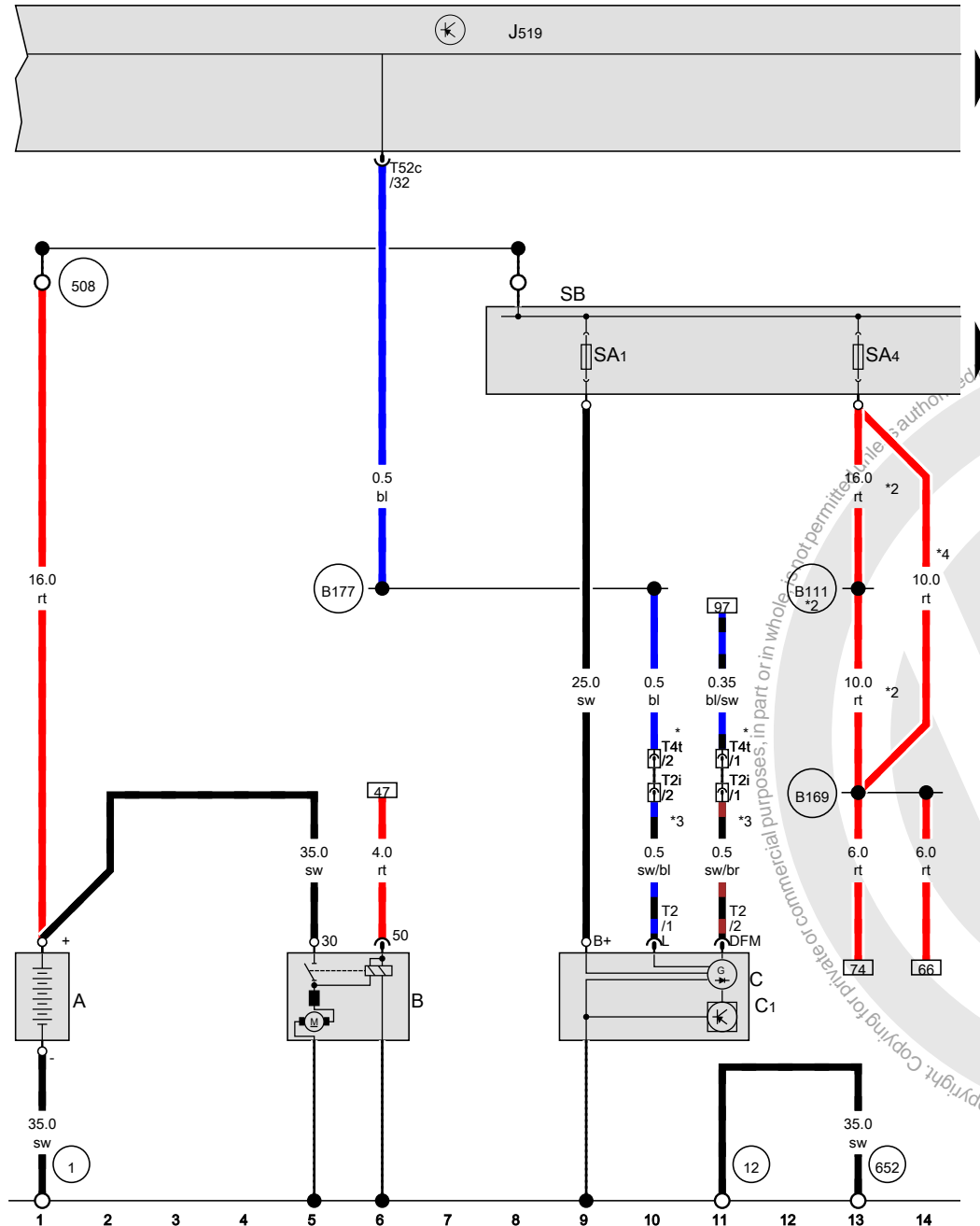
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



2.0l petrol engine , CKJA

From October 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 gradual introduction

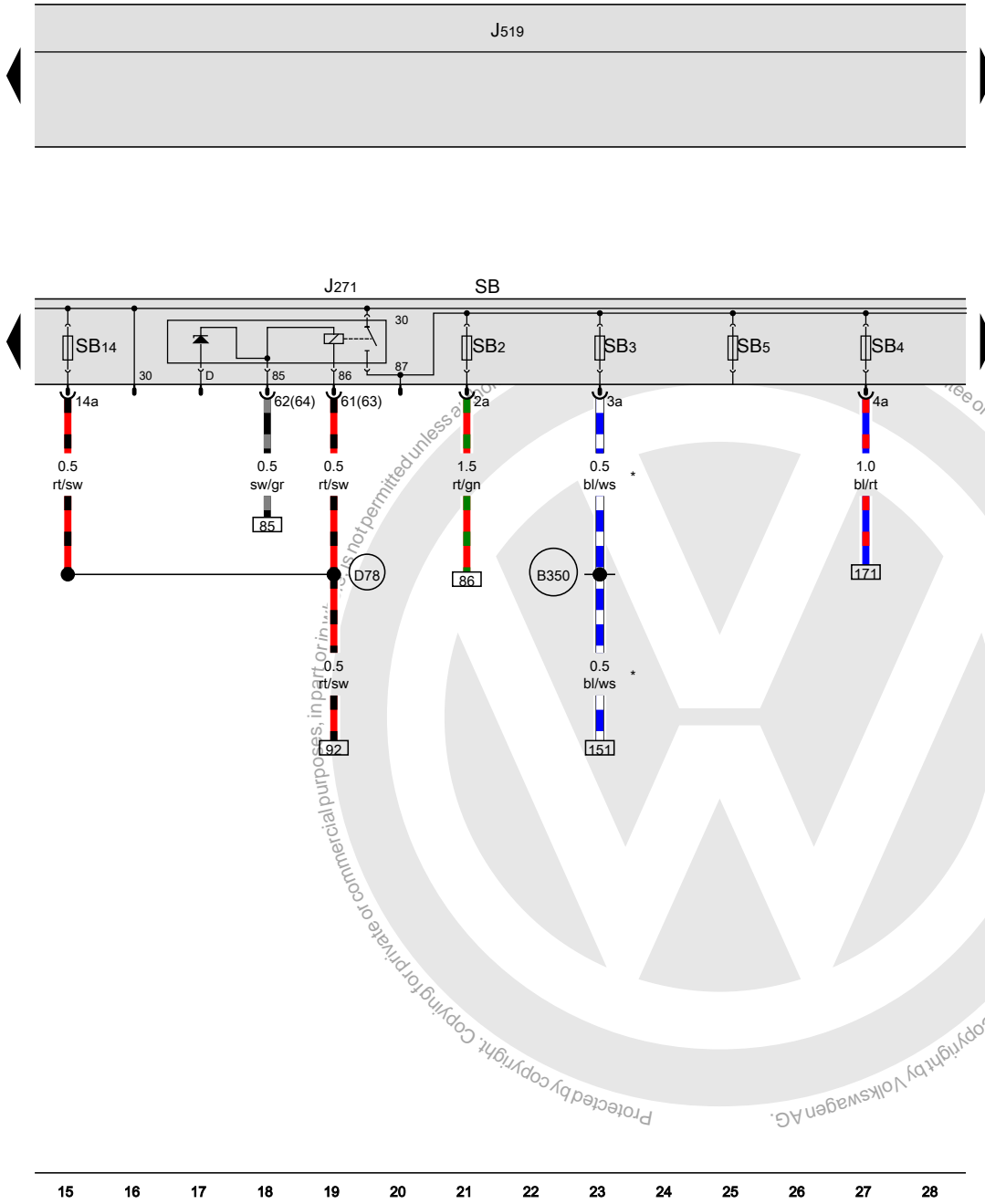
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-046020415

Main relay, Onboard supply control unit, Fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B

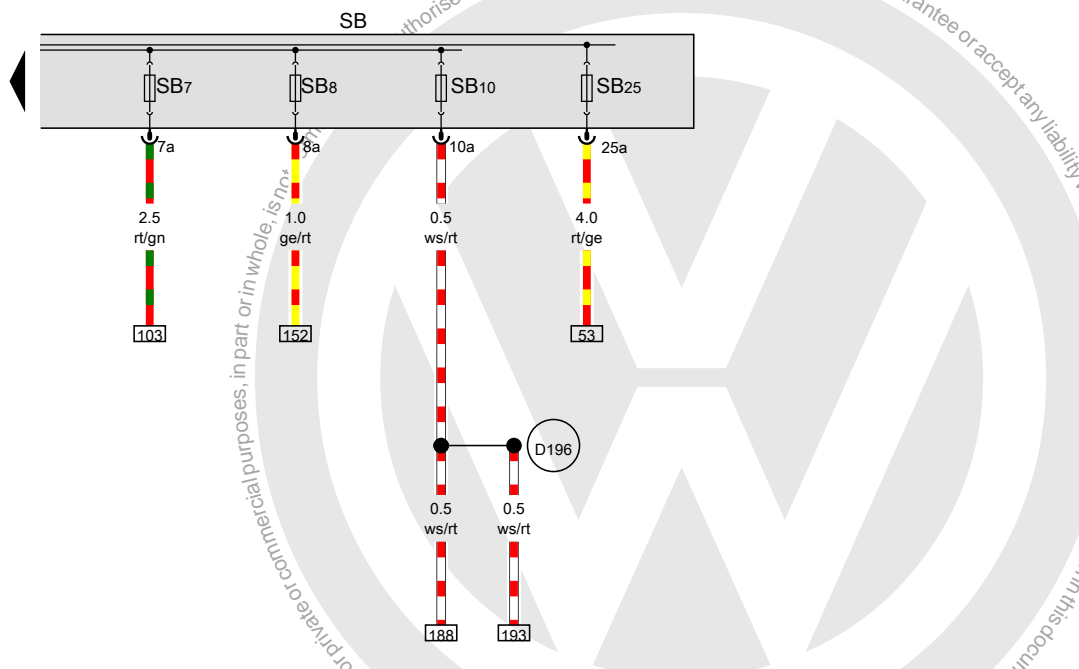
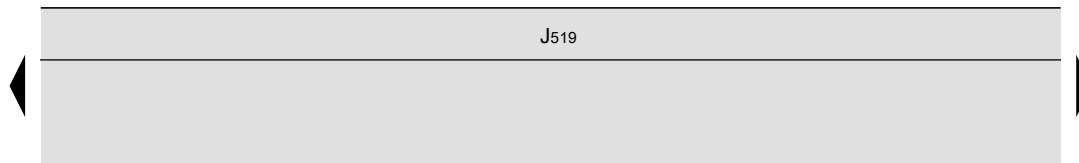
- (B350) Positive connection 1 (87a) in main wiring harness
- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- * Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Fuse holder B

- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- D196 Connection 2 (87a) in engine prewiring harness

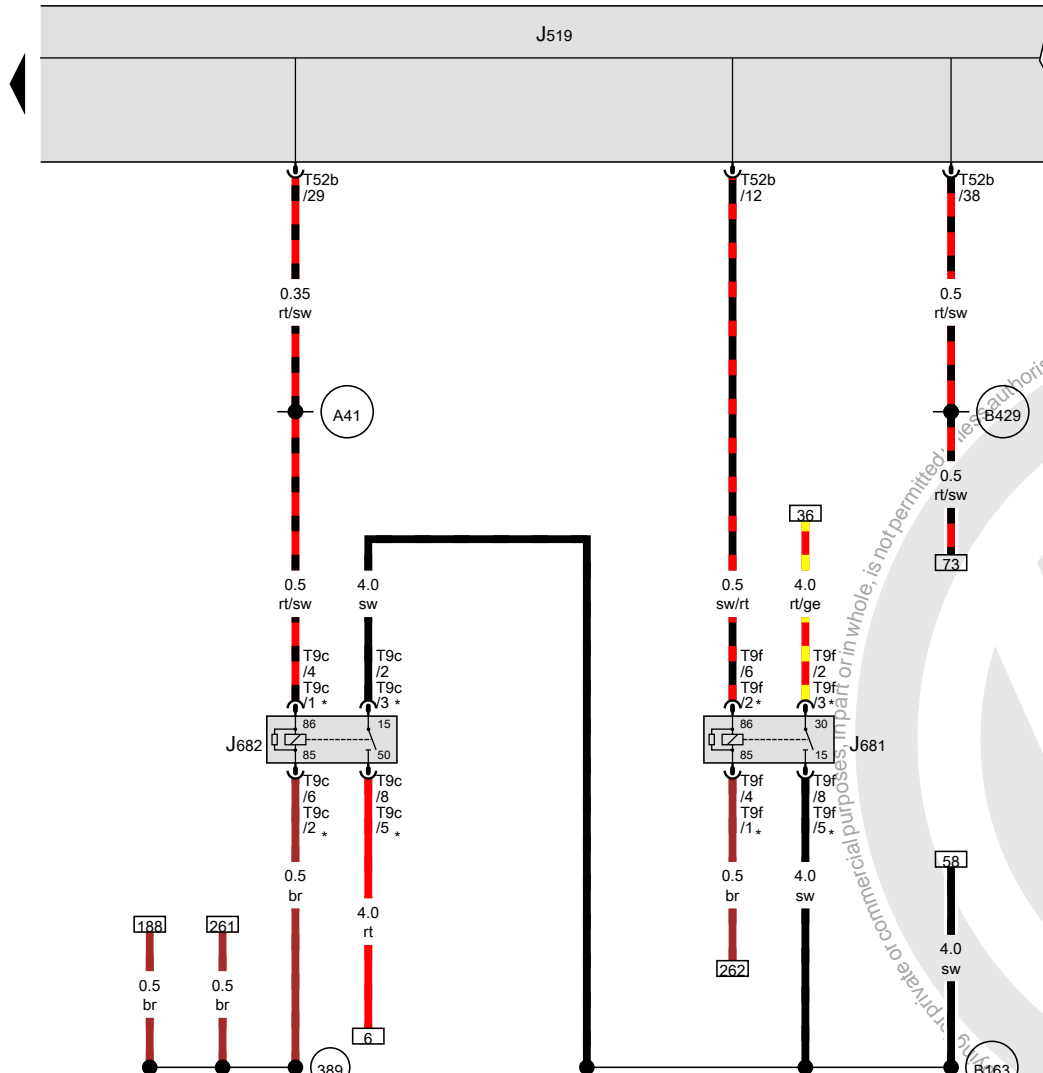


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B429 Connection (EFPR), in main wiring harness
- * gradual introduction

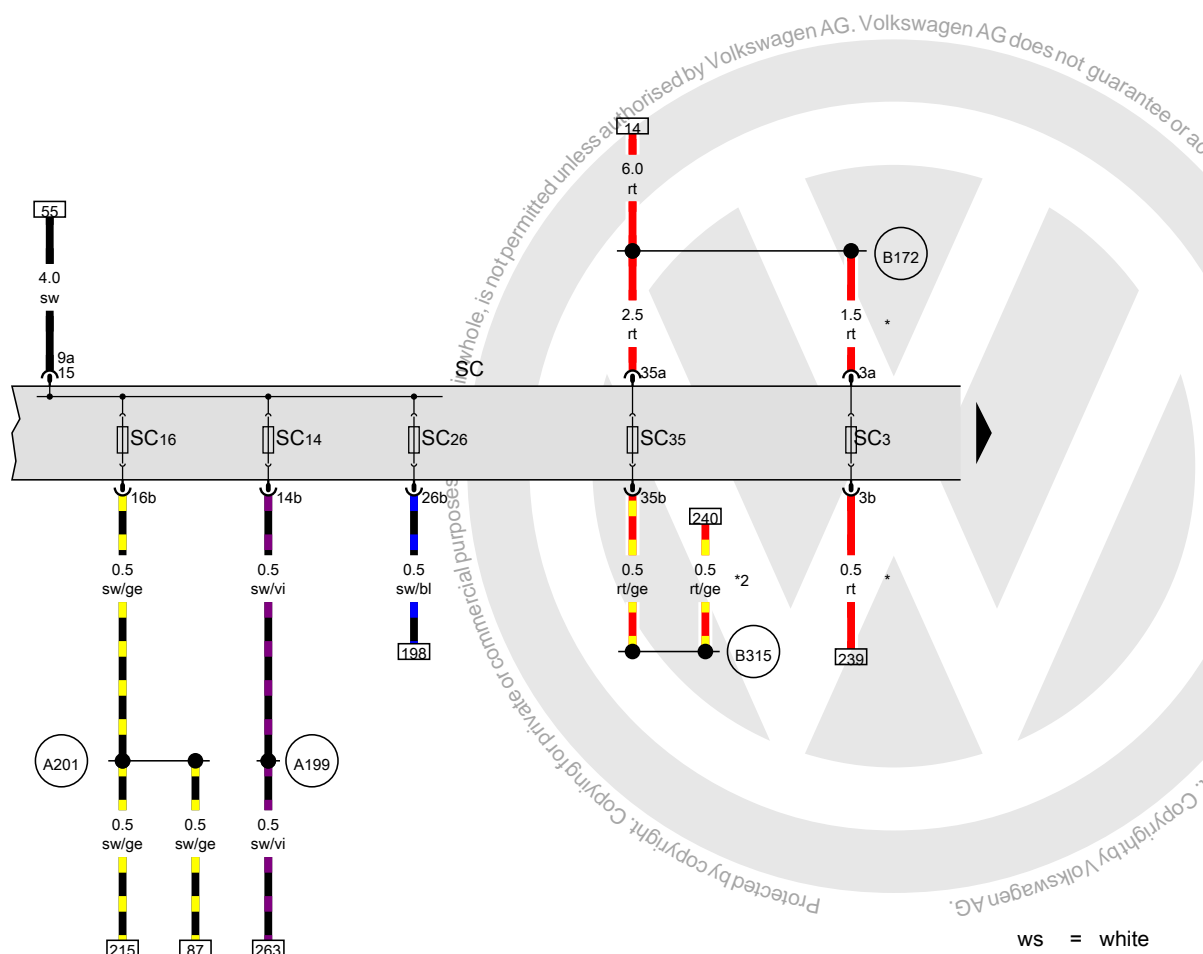


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * gradual introduction
- *2 Gradually discontinued



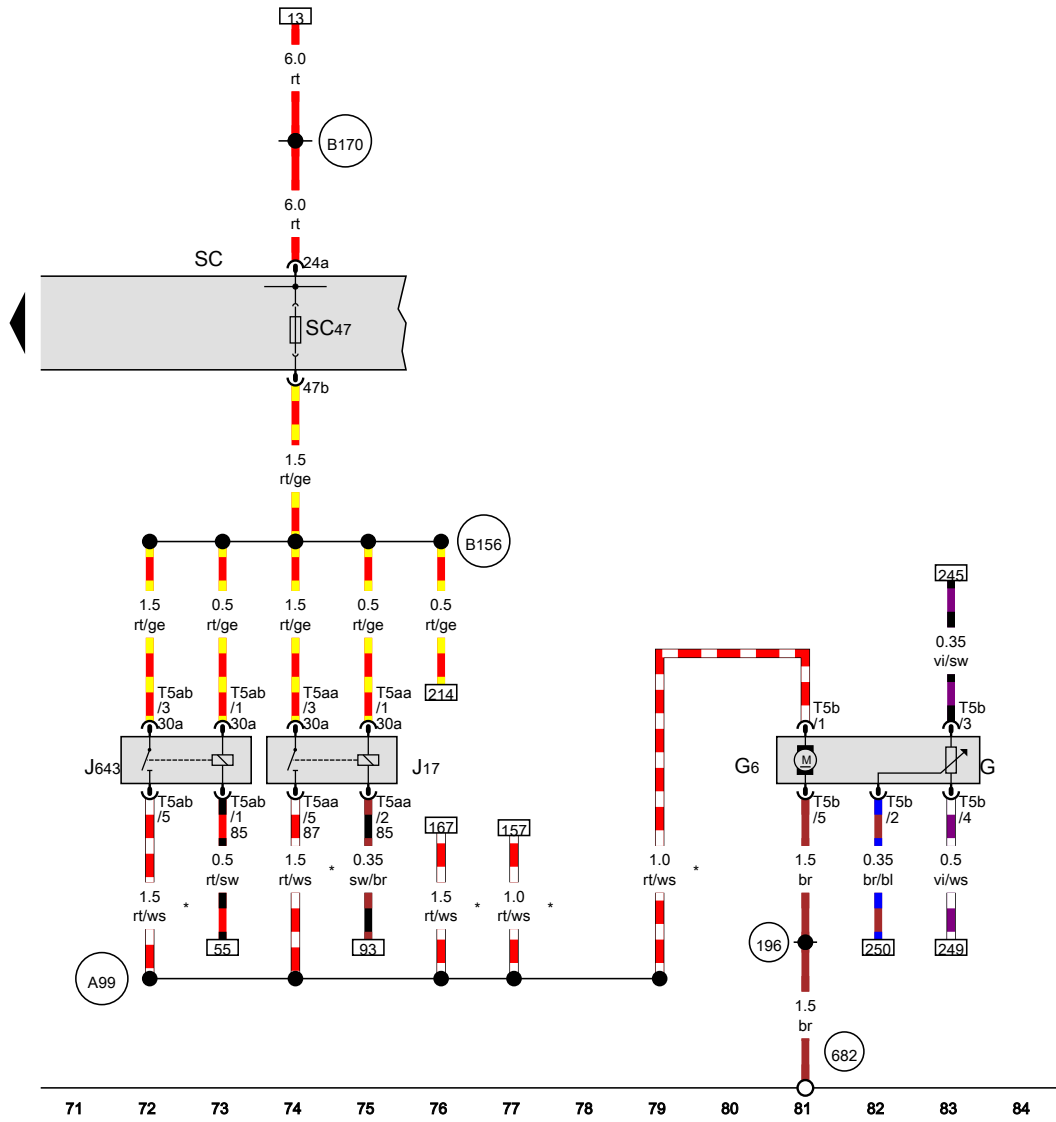
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

[162-046060415]

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuel supply relay, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector
- T5b 5-pin connector



- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-046070415

Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- T16l 16-pin connector
- T80 80-pin connector

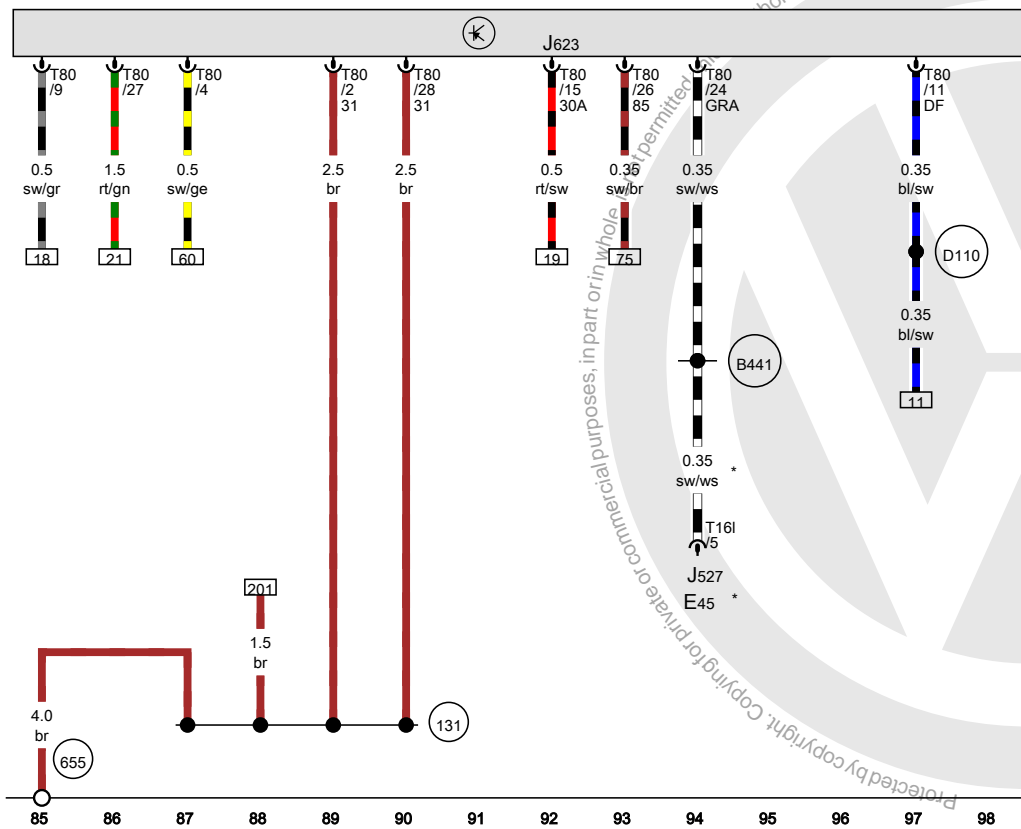
131 Earth connection 2, in engine compartment wiring harness

655 Earth point, on left headlight

B441 Connection (CCS), in main wiring harness

D110 Connection 8 in engine compartment wiring harness

* Only models with cruise control system (CCS)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-046080415

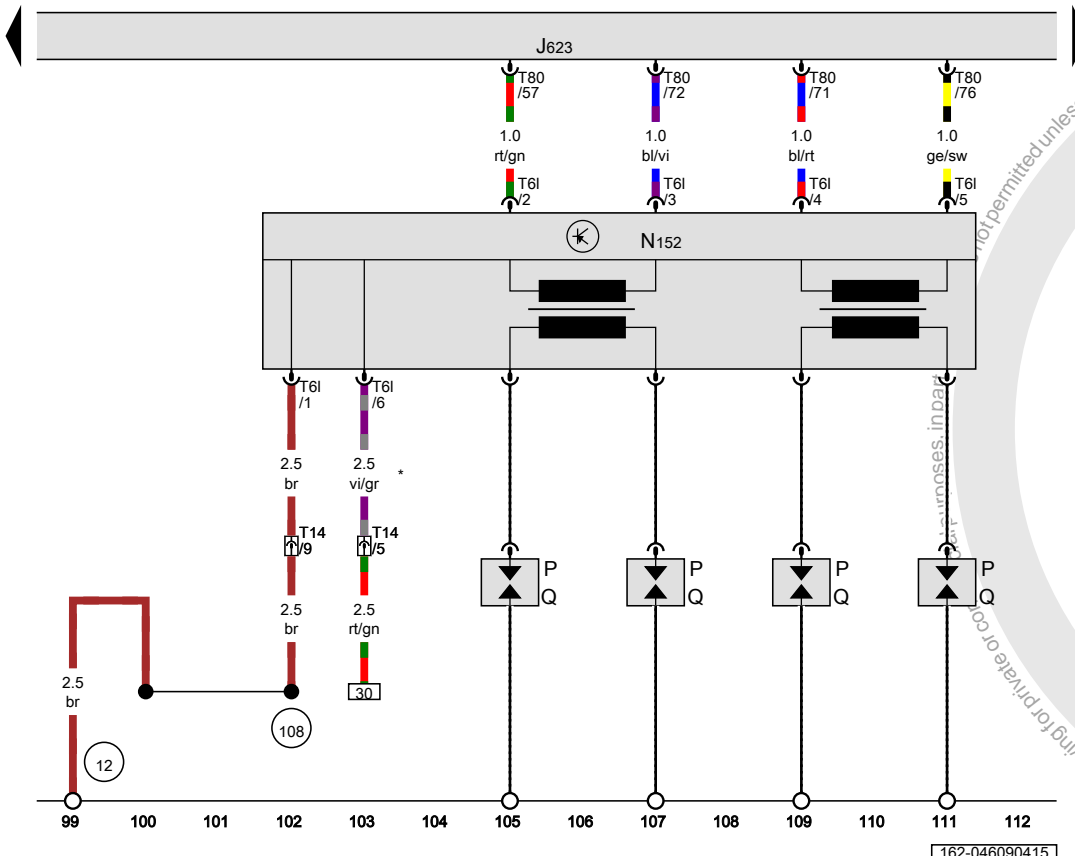
Engine control unit, Spark plug connector, Spark plugs

- J623 Engine control unit
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T6l 6-pin connector
- T14 14-pin connector, near battery
- T80 80-pin connector

12 Earth point, on left in engine compartment

108 Earth connection 2, in front left wiring harness

* Wiring colour depends on equipment

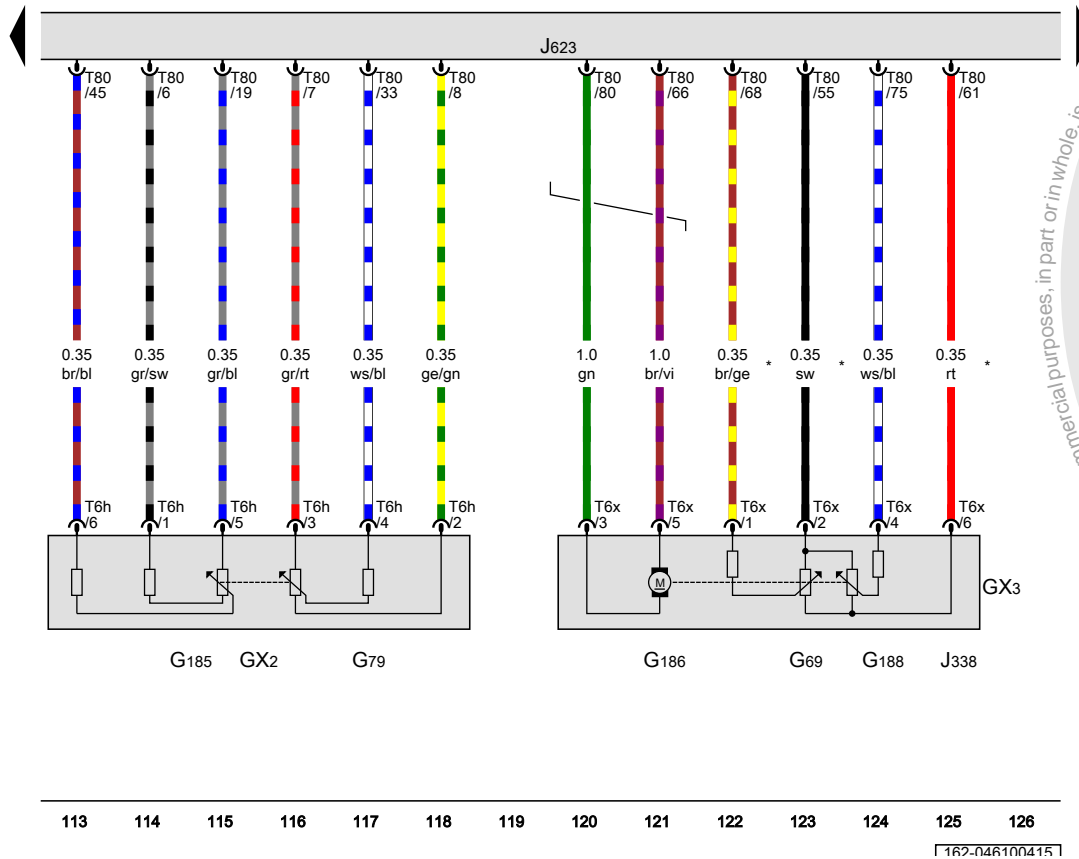


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

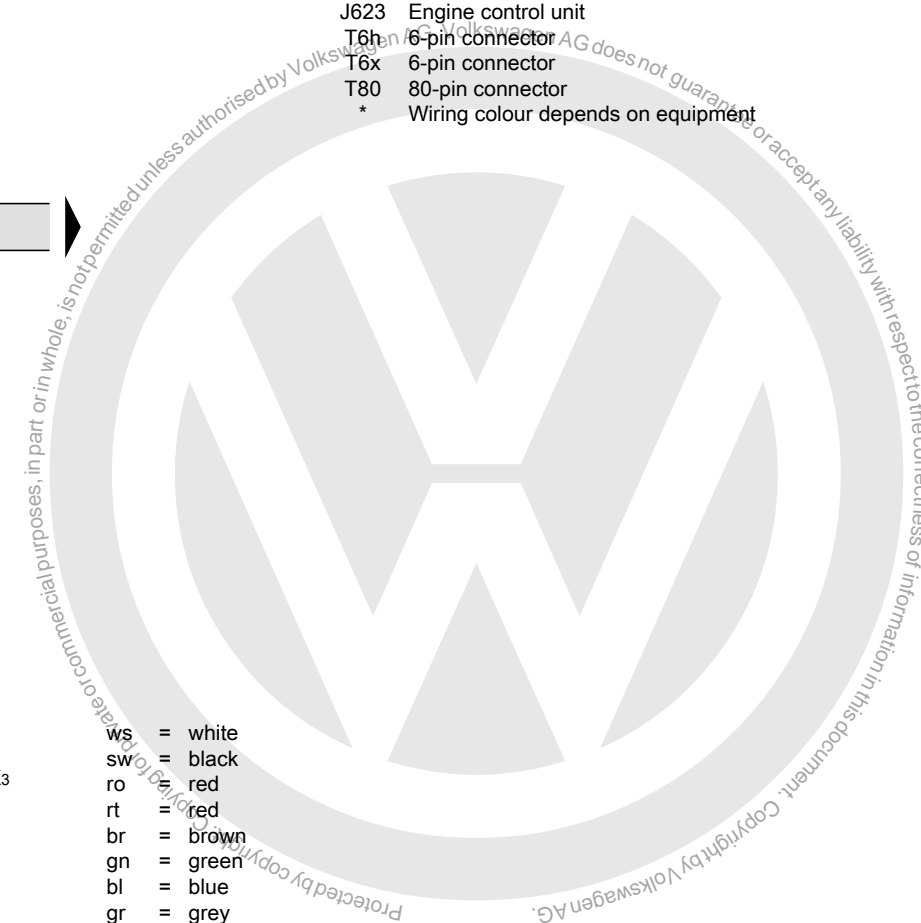
162-0460904151

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Throttle valve drive for electric throttle, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G69 Throttle valve potentiometer
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T6h 6-pin connector
- T6x 6-pin connector
- T80 80-pin connector
- * Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

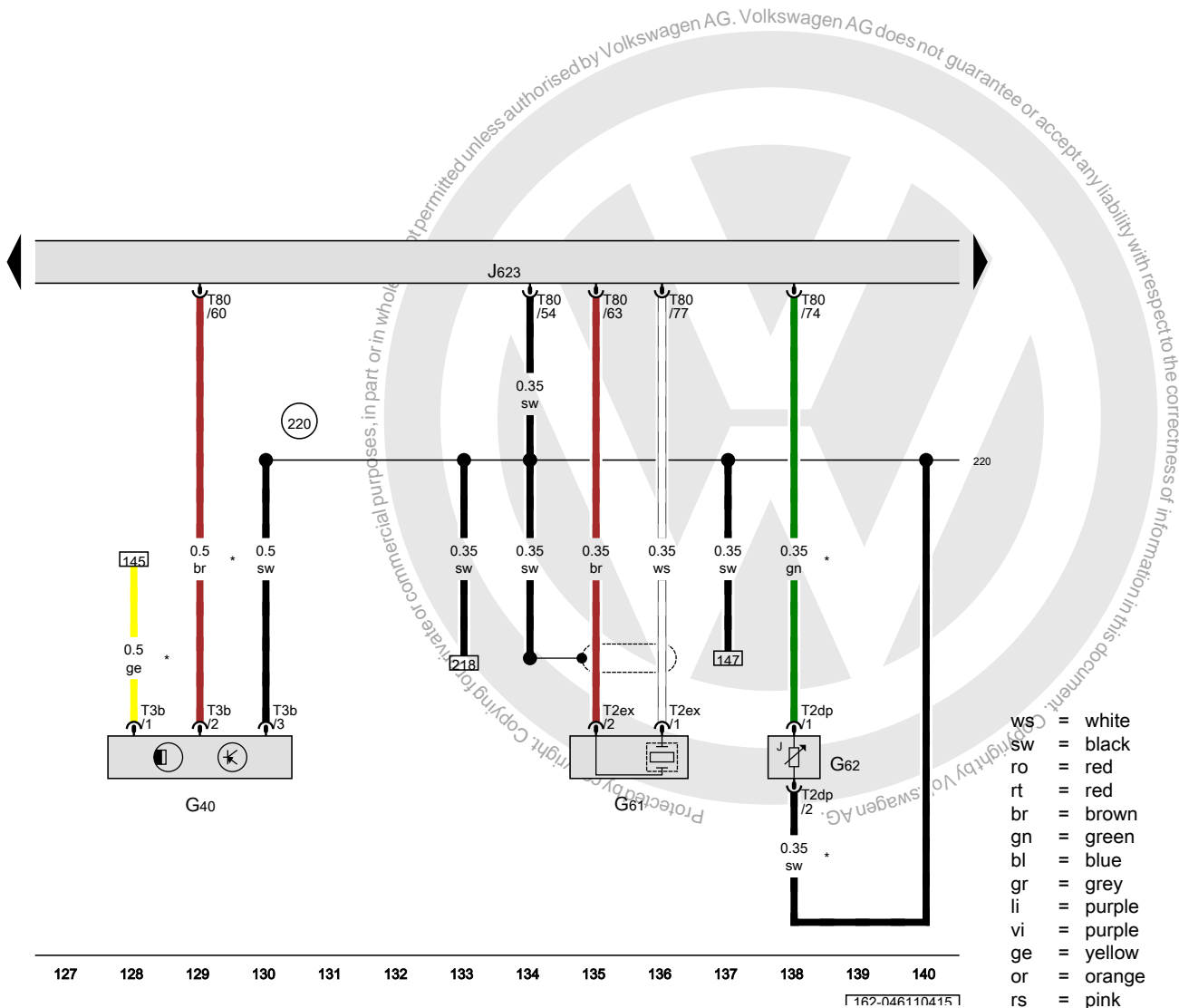


Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3b 3-pin connector
- T80 80-pin connector

220 Earth connection (sender earth), in engine wiring harness

* Wiring colour depends on equipment



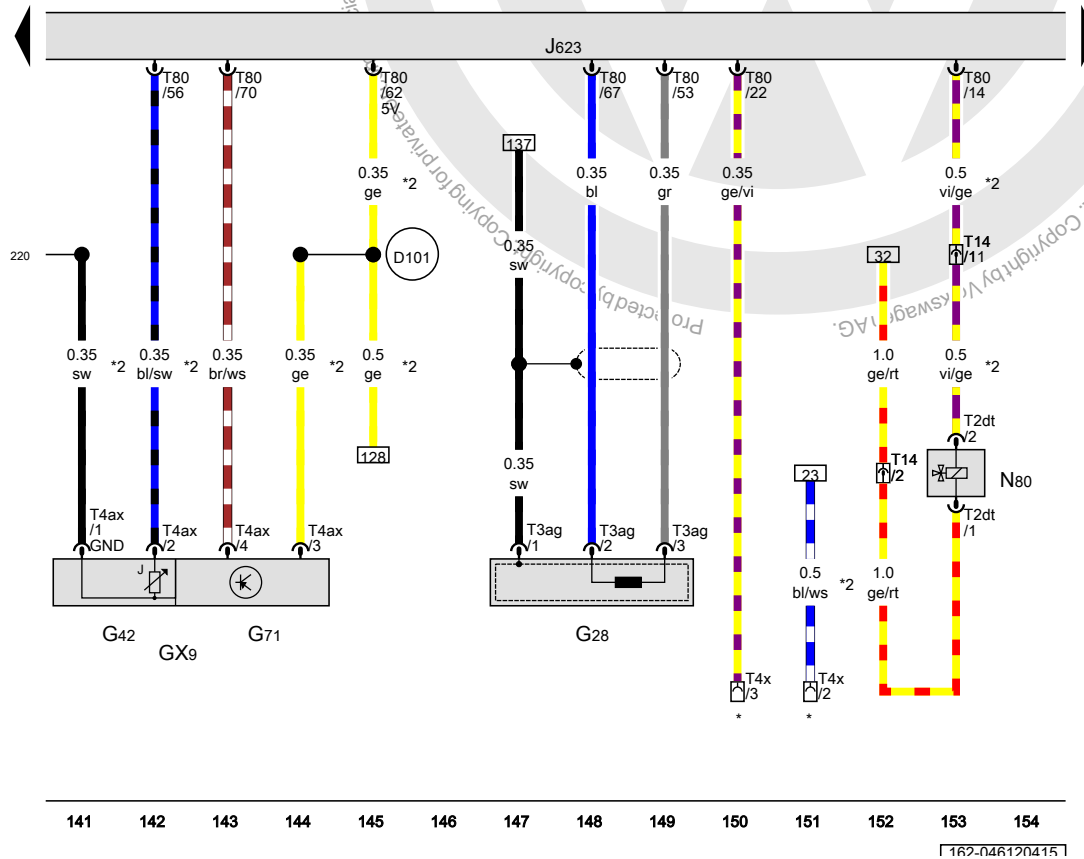
Intake manifold sender, Engine speed sender, Intake air temperature sender, Engine control unit, Activated charcoal filter solenoid valve 1

- GX9 Intake manifold sender
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- T2dt 2-pin connector
- T3ag 3-pin connector
- T4ax 4-pin connector
- T4x 4-pin connector
- T14 14-pin connector, near battery
- T80 80-pin connector

220 Earth connection (sender earth), in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

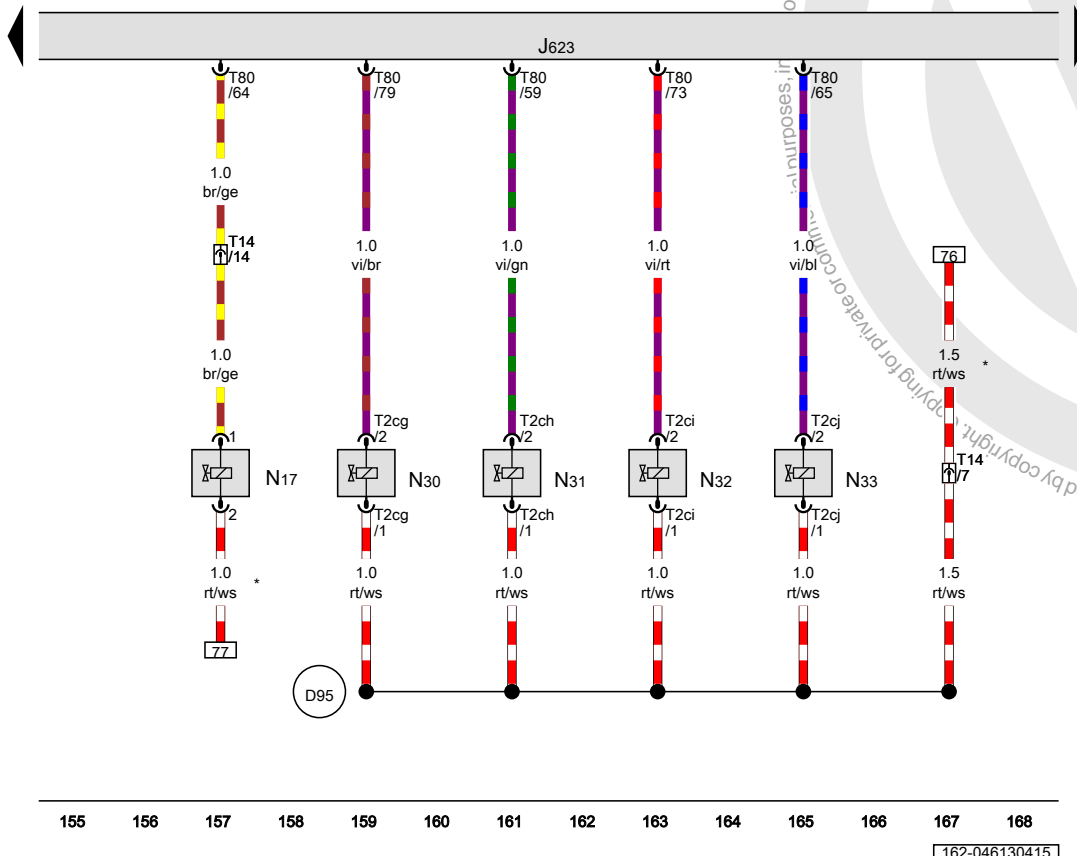
- * Radiator fan connection
- *2 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Cold start valve, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N17 Cold start valve
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T14 14-pin connector, near battery
- T80 80-pin connector
- D95 Connection (injectors), in engine compartment wiring harness
- * Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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155 156 157 158 159 160 161 162 163 164 165 166 167 168

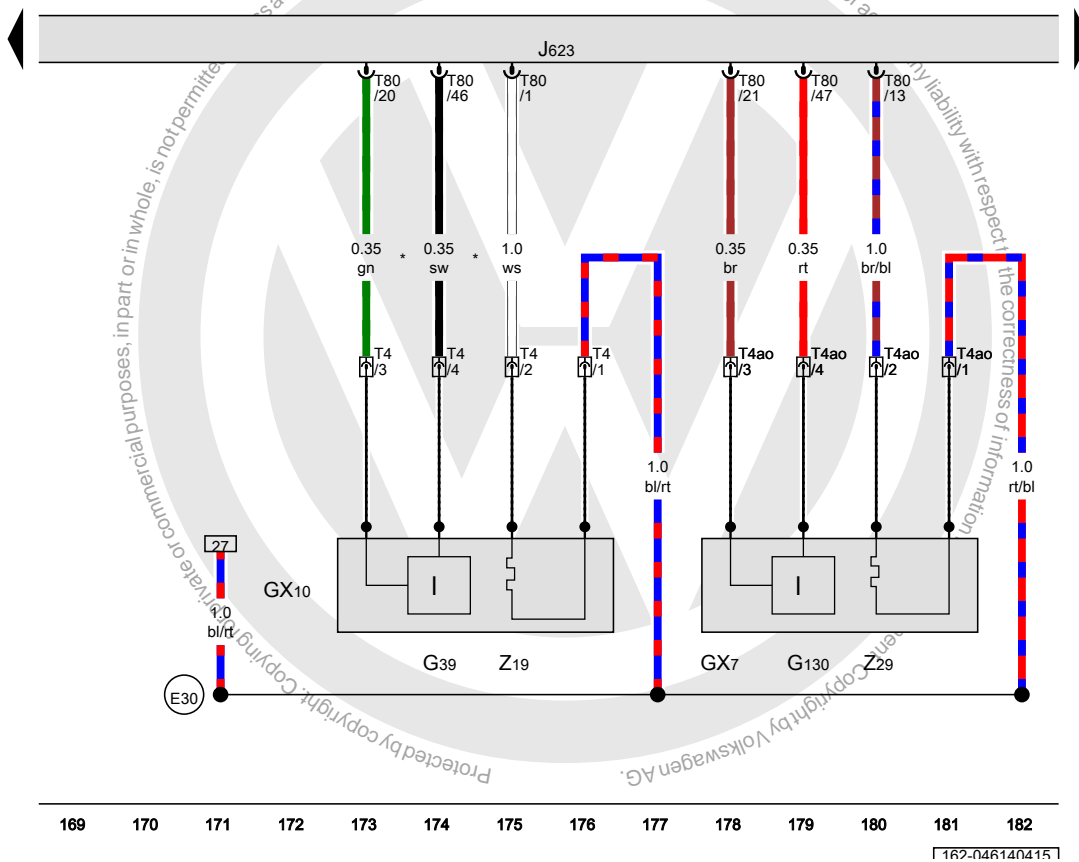
162-046130415

Lambda probe 1 after catalytic converter, Lambda probe 1 before catalytic converter, Engine control unit

- GX7 Lambda probe 1 after catalytic converter
- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4 4-pin connector
- T4ao 4-pin connector
- T80 80-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

* Wiring colour depends on equipment



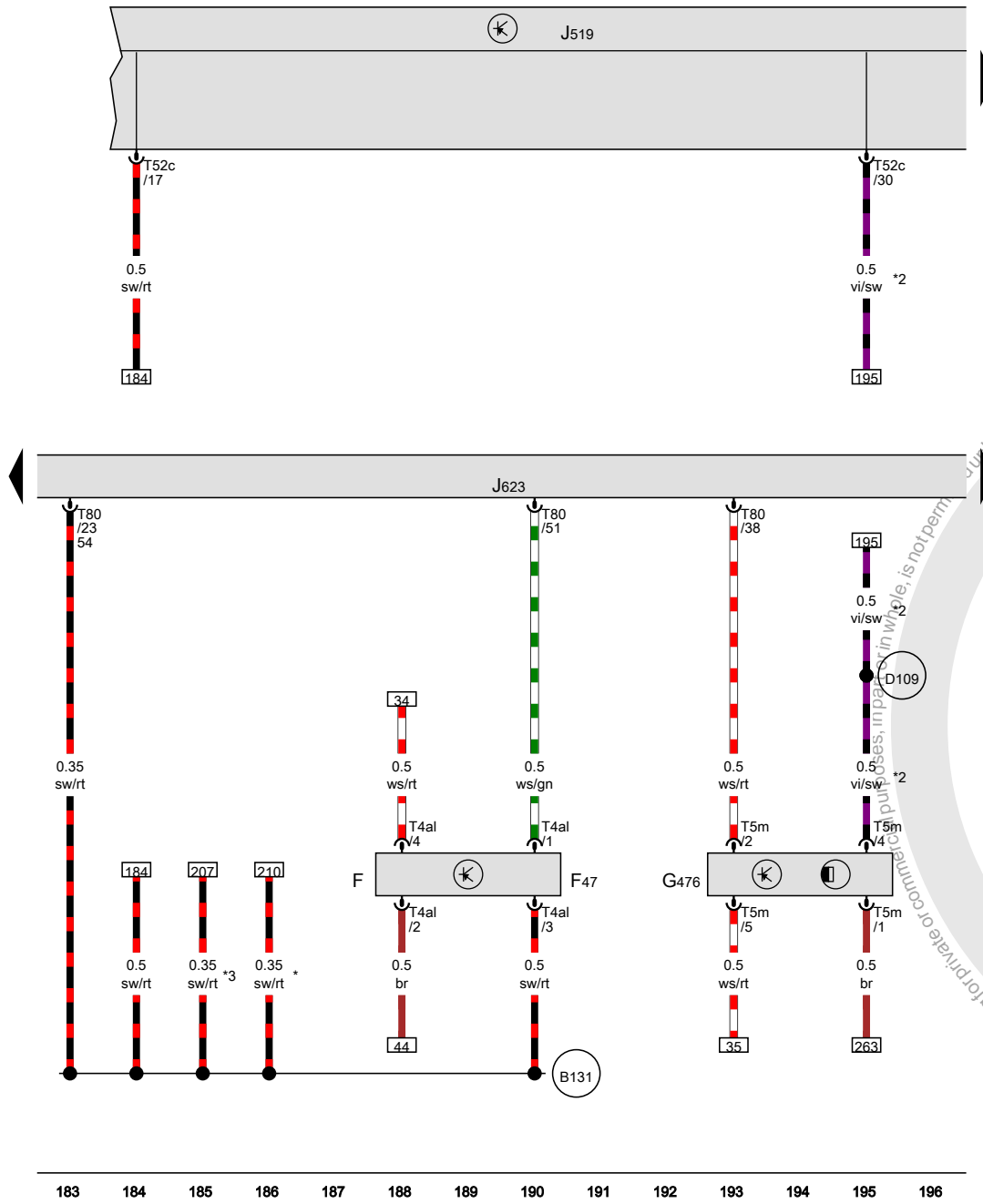
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T80 80-pin connector

B131 Connection (54), in interior wiring harness

D109 Connection 7 in engine compartment wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Wiring colour depends on equipment
- *3 Only models with ABS and no ESP

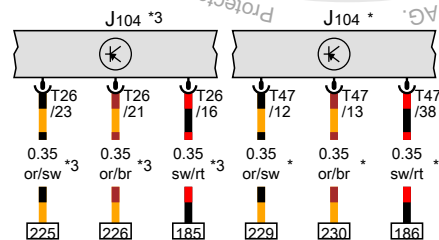
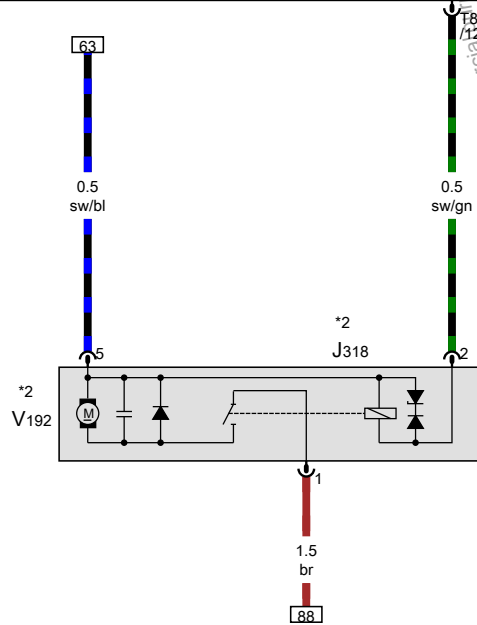
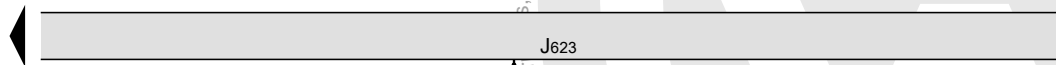
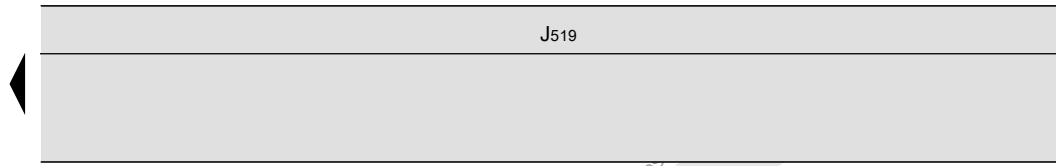


- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
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- or = orange
- rs = pink

162-046150415

Vacuum pump relay, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- J104 ABS control unit
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T80 80-pin connector
- V192 Vacuum pump for brakes
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with automatic gearbox
- *3 Only models with ABS and no ESP

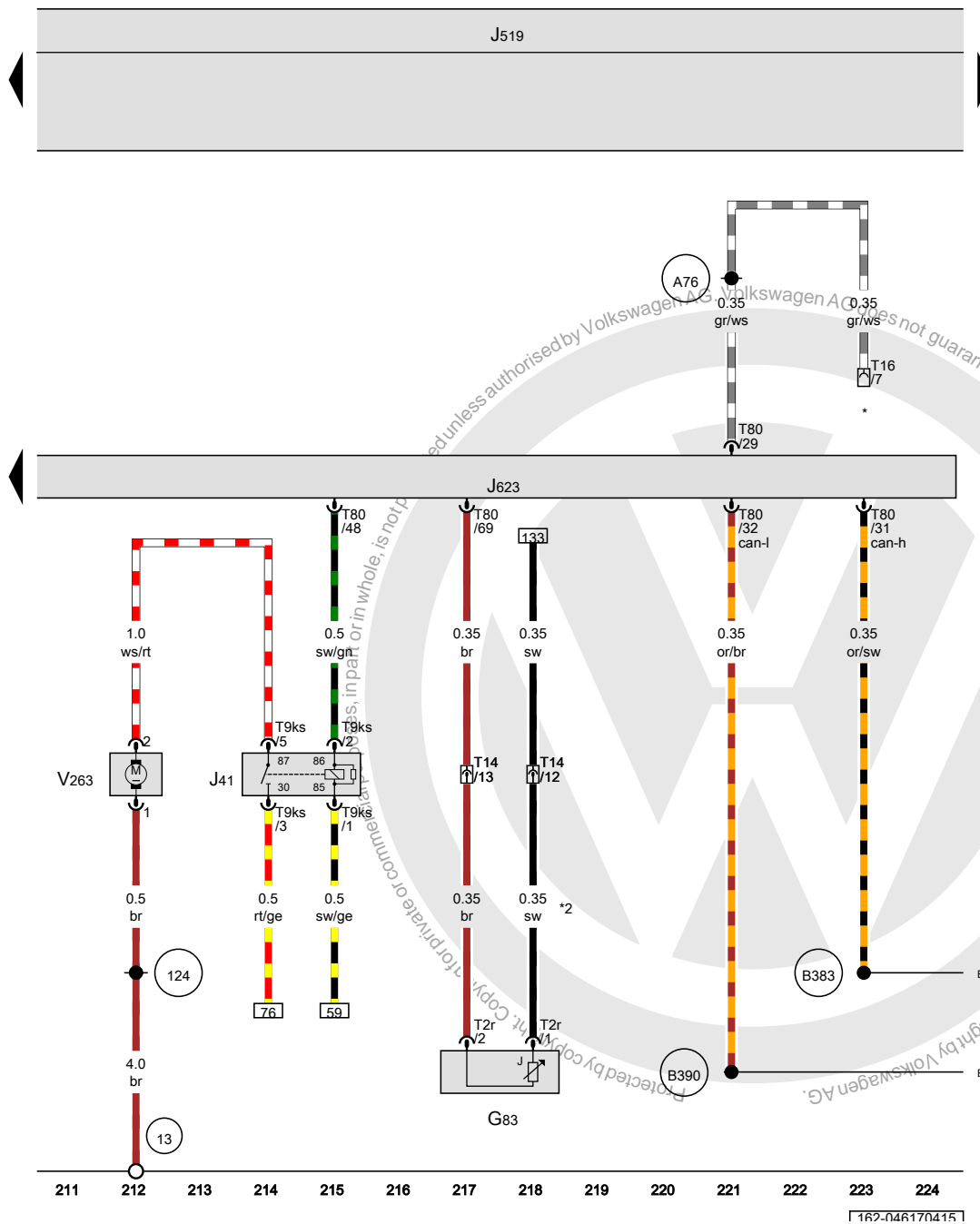


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- gn = green
- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit

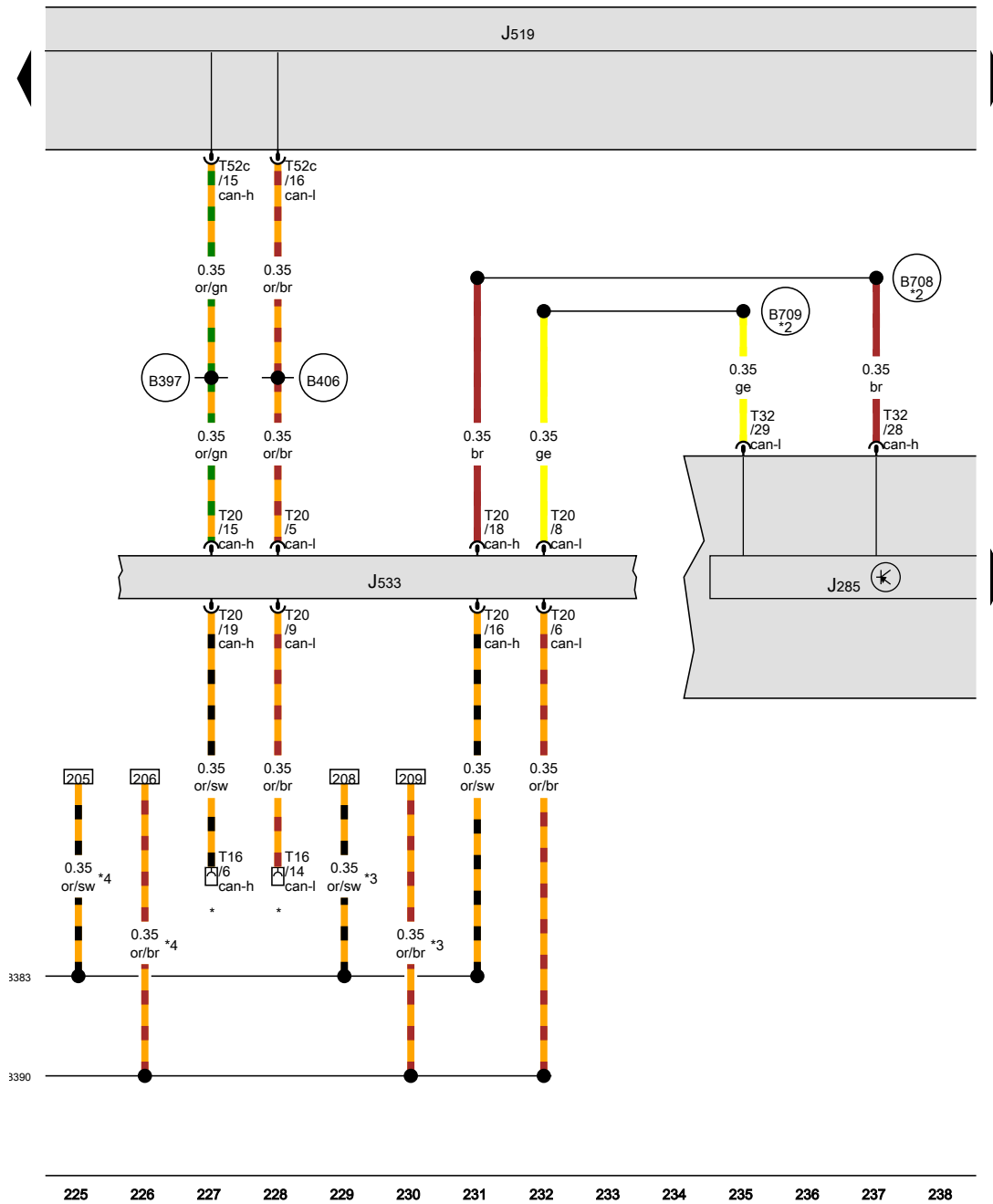
- G83 Radiator outlet coolant temperature sender
- J41 Cold start device relay
- J519 Onboard supply control unit
- J623 Engine control unit
- T2r 2-pin connector
- T9ks 9-pin connector
- T14 14-pin connector
- T16 16-pin connector
- T80 80-pin connector
- V263 Fuel pump for cold start

- 13 Earth point, on right in engine compartment
- 124 Earth connection, in right side engine compartment wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Wiring colour depends on equipment



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- gr = grey
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- vi = purple
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162-046170415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

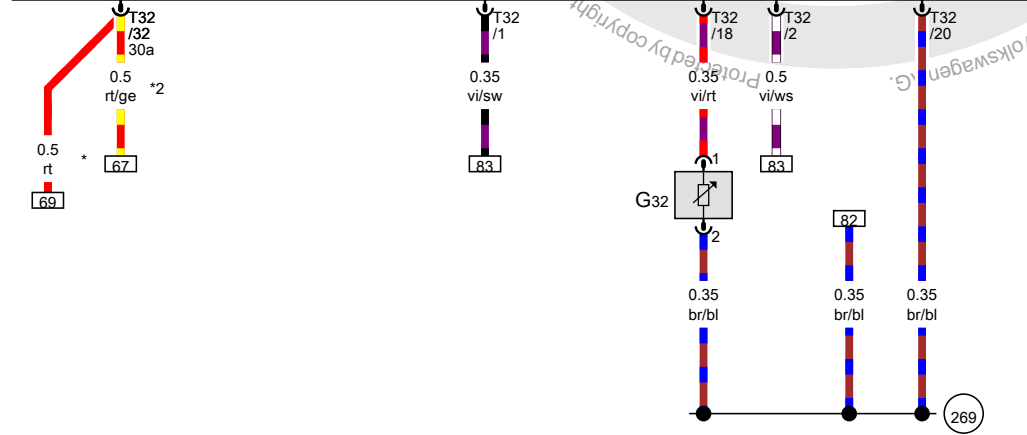
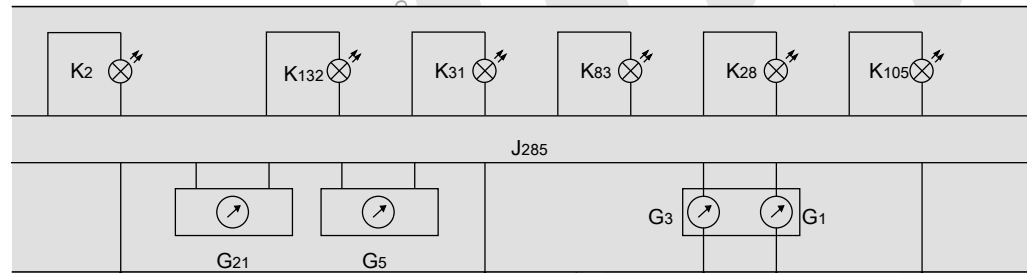
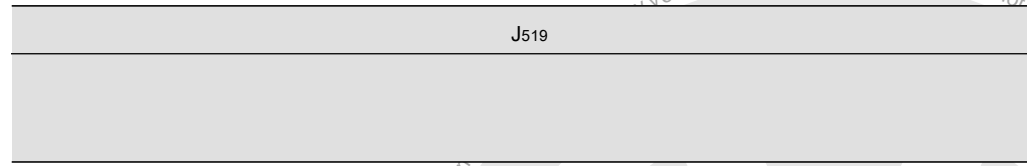
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness

- * Diagnostic connection
- *2 From June 2013
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Only models with ABS and no ESP

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Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- * gradual introduction
- *2 Gradually discontinued

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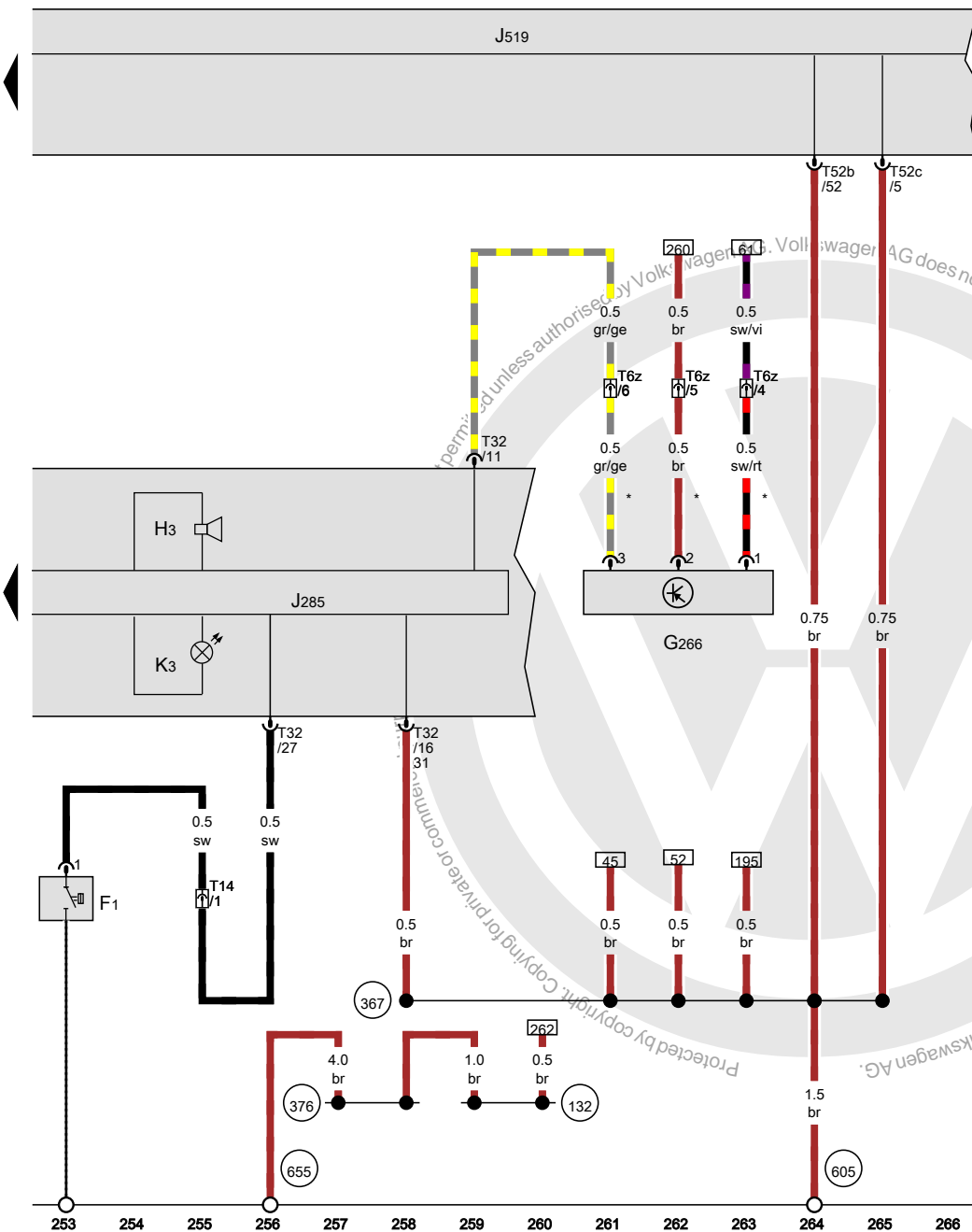
239 240 241 242 243 244 245 246 247 248 249 250 251 252

[162-046190415]

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- * Only models with flexible service interval display



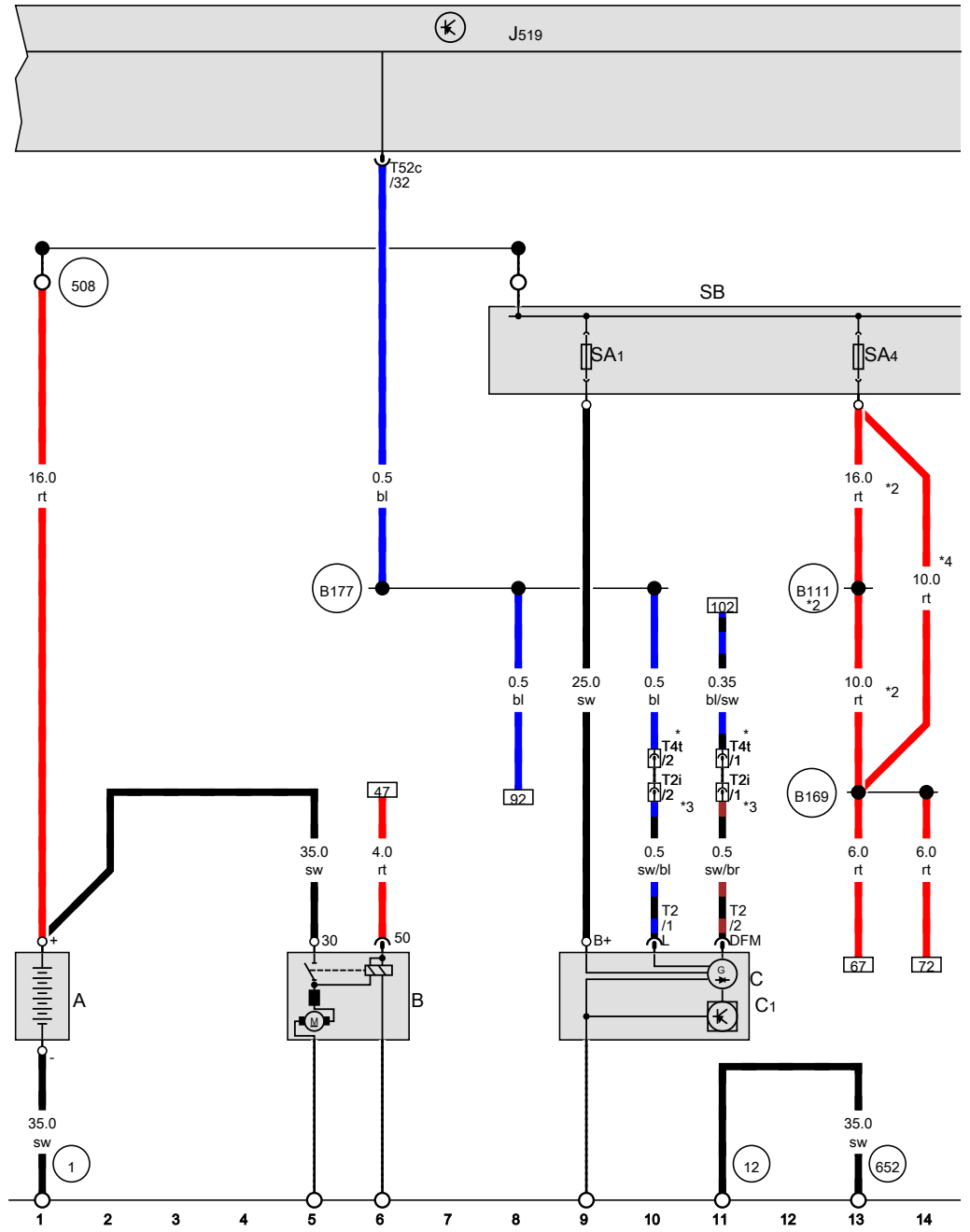
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- gr = grey
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- rs = pink

162-046200415

2.0l diesel engine , CLCA,(AW1)

From October 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-047020415

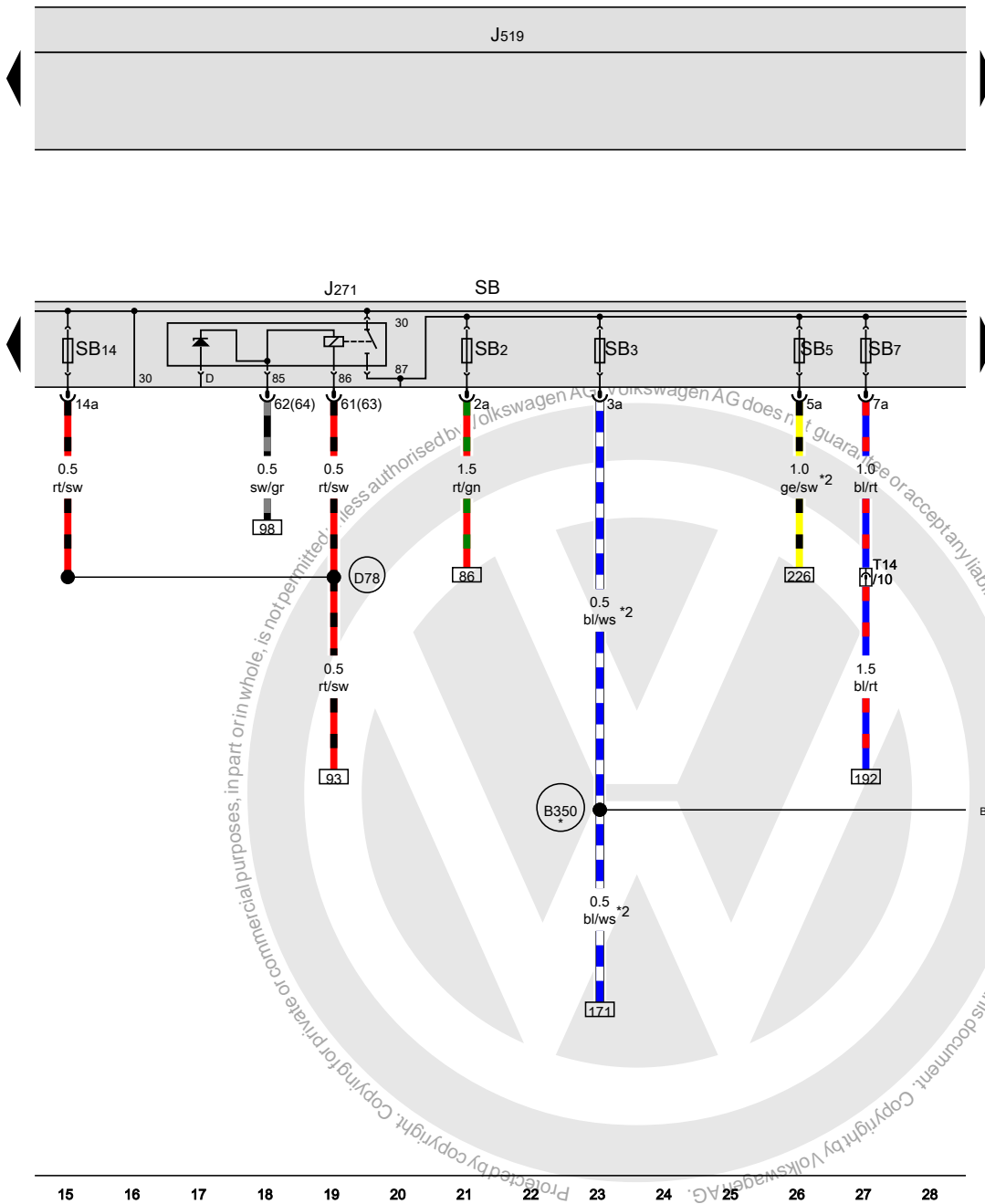
Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector, near battery

B350 Positive connection 1 (87a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

- * gradual introduction
- *2 Wiring colour depends on equipment



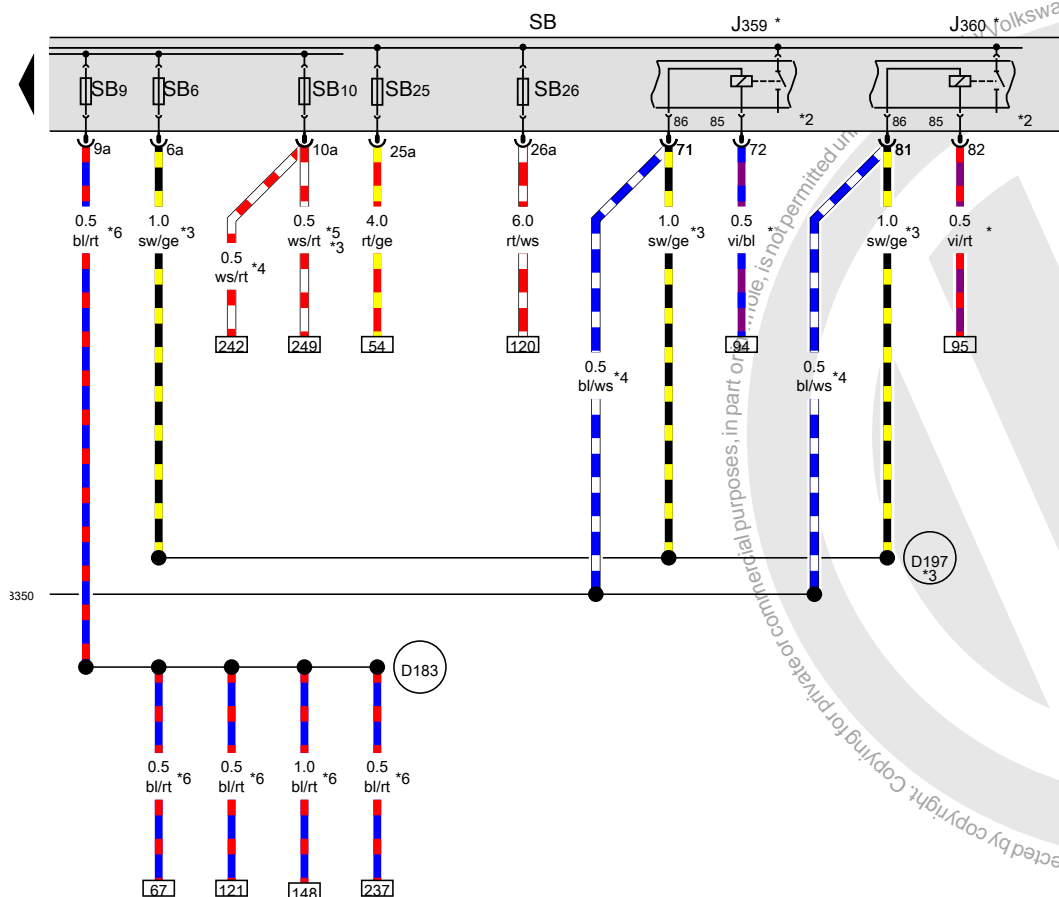
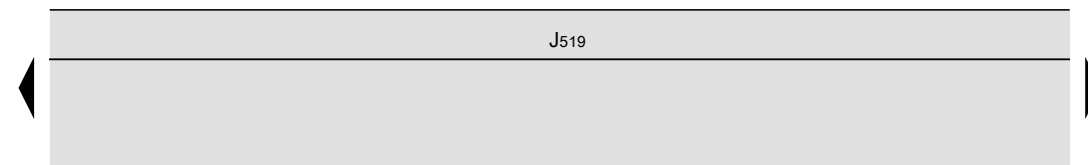
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- gn = green
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Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B

- B350 Positive connection 1 (87a) in main wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness

- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Gradually discontinued
- *4 gradual introduction
- *5 Only models with manual gearbox
- *6 Wiring colour depends on equipment



- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
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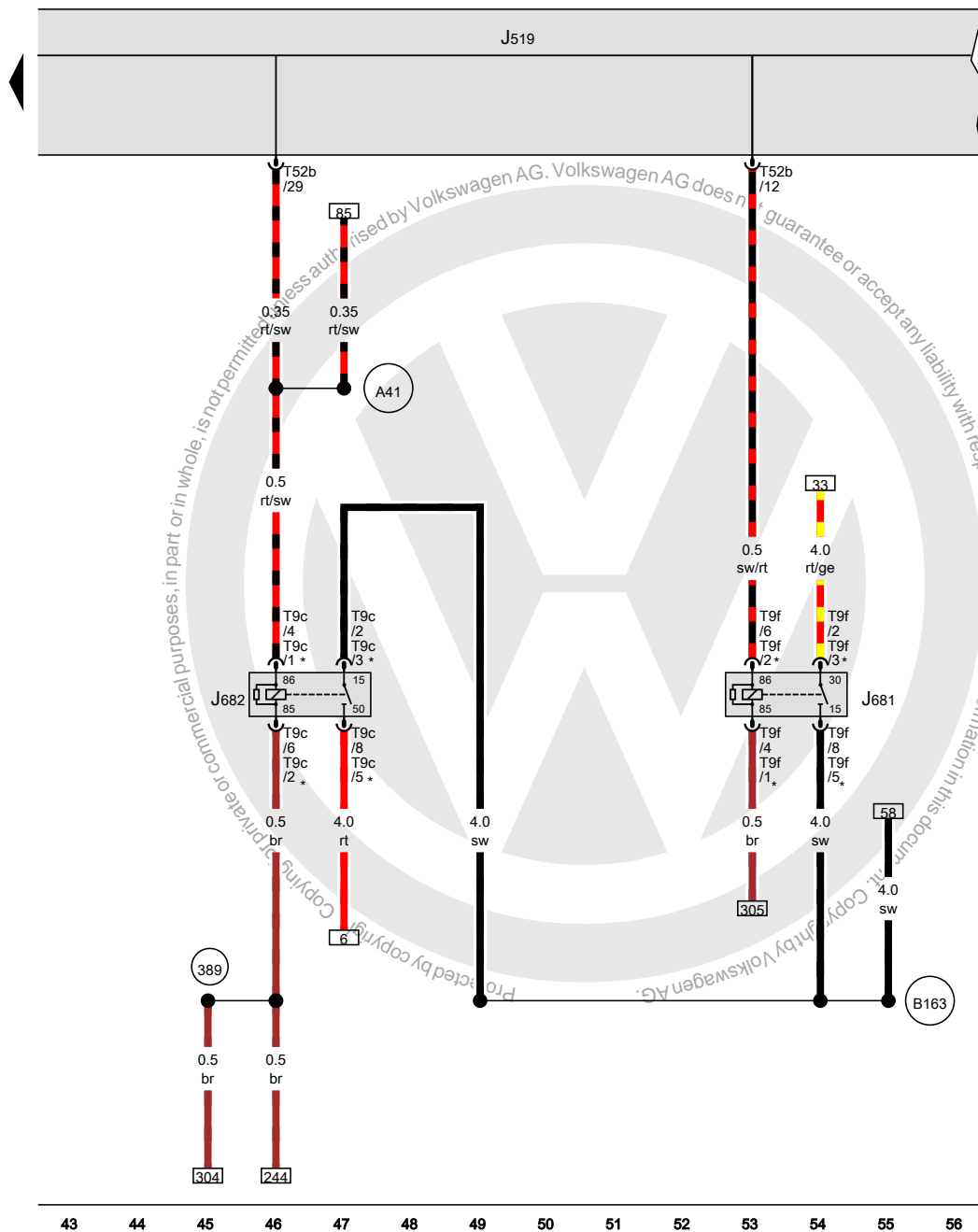
29 30 31 32 33 34 35 36 37 38 39 40 41 42

[162-047040415]

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction



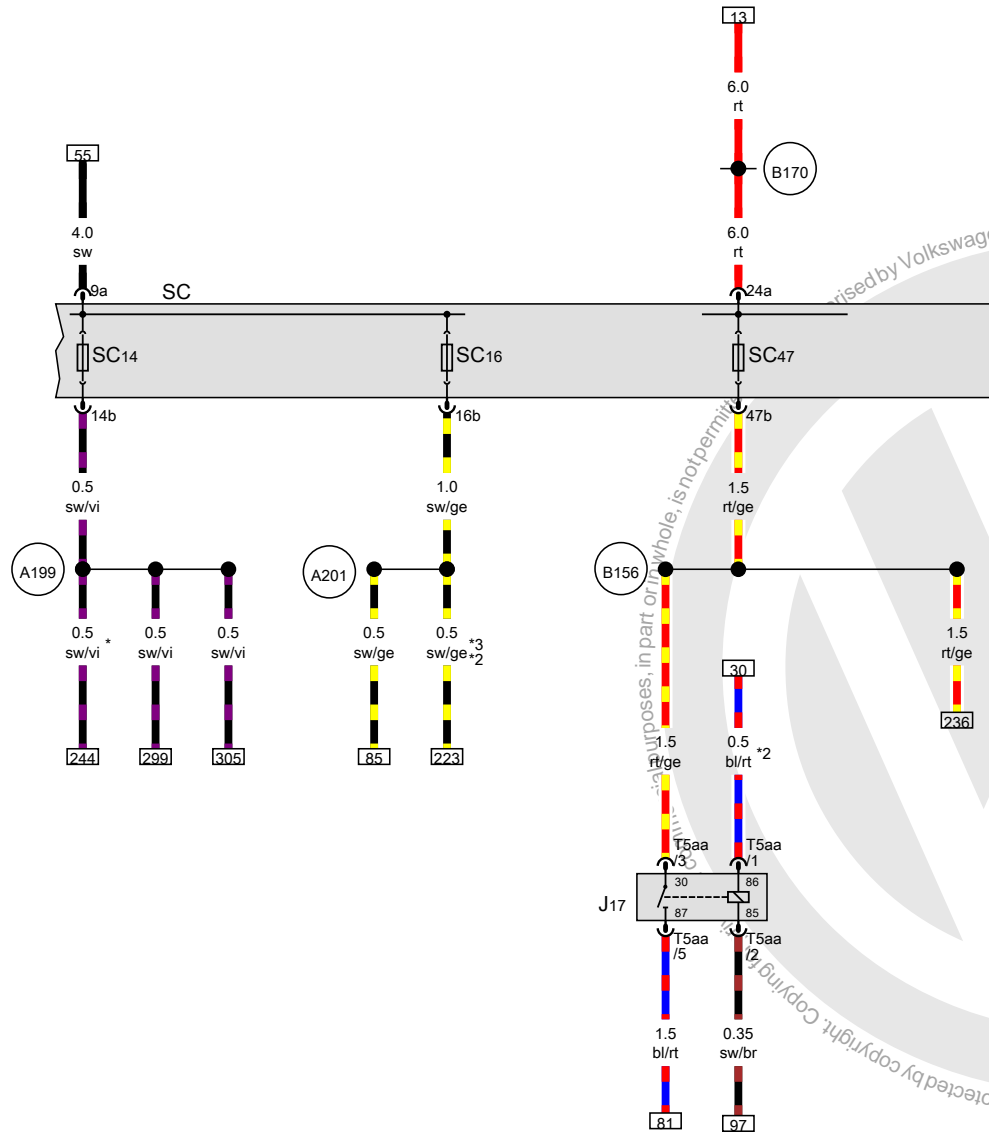
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-047050415

Fuel pump relay, Fuse holder C

- J17 Fuel pump relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Gradually discontinued
- *2 Wiring colour depends on equipment
- *3 Only models with crankcase breather heater element

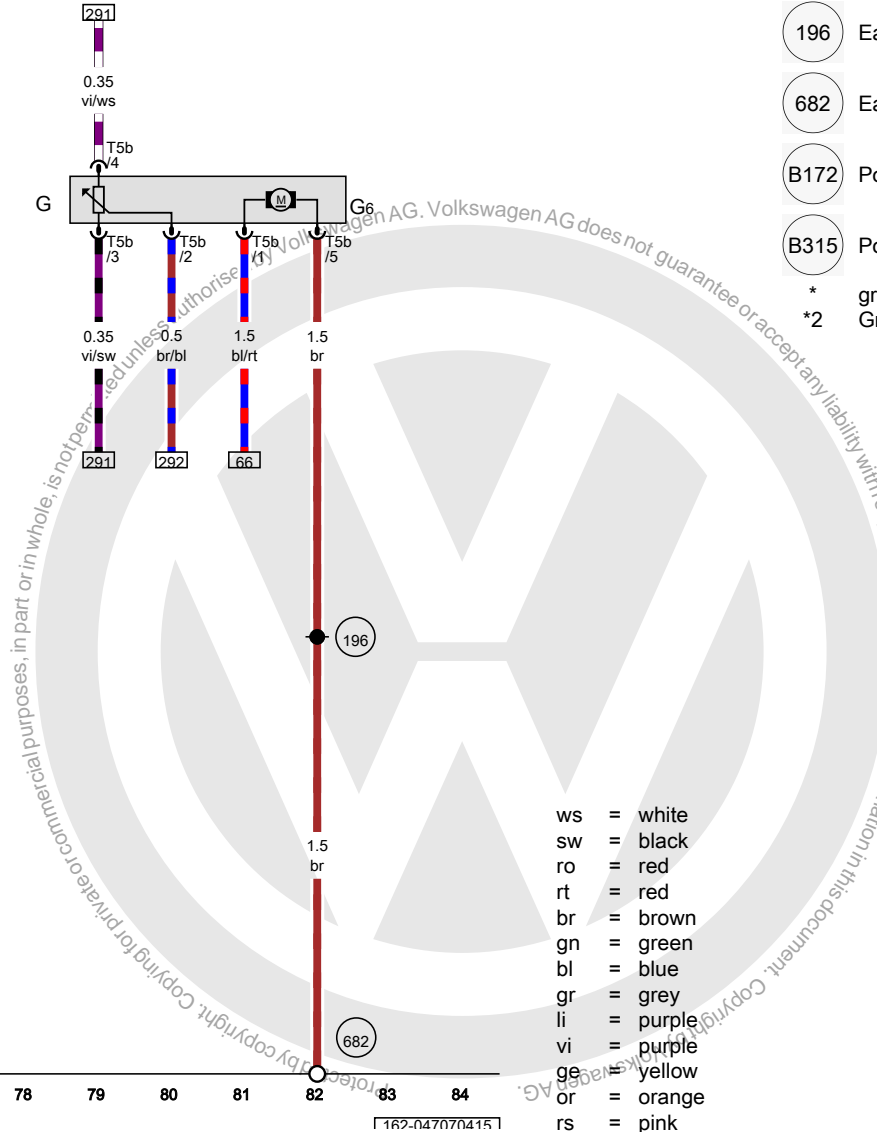
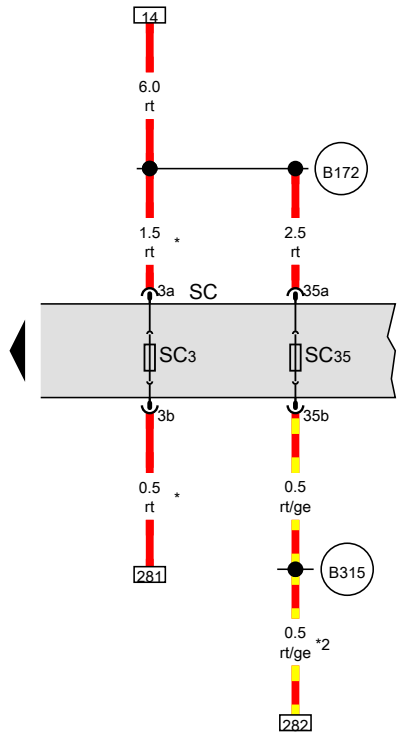


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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * gradual introduction
- *2 Gradually discontinued

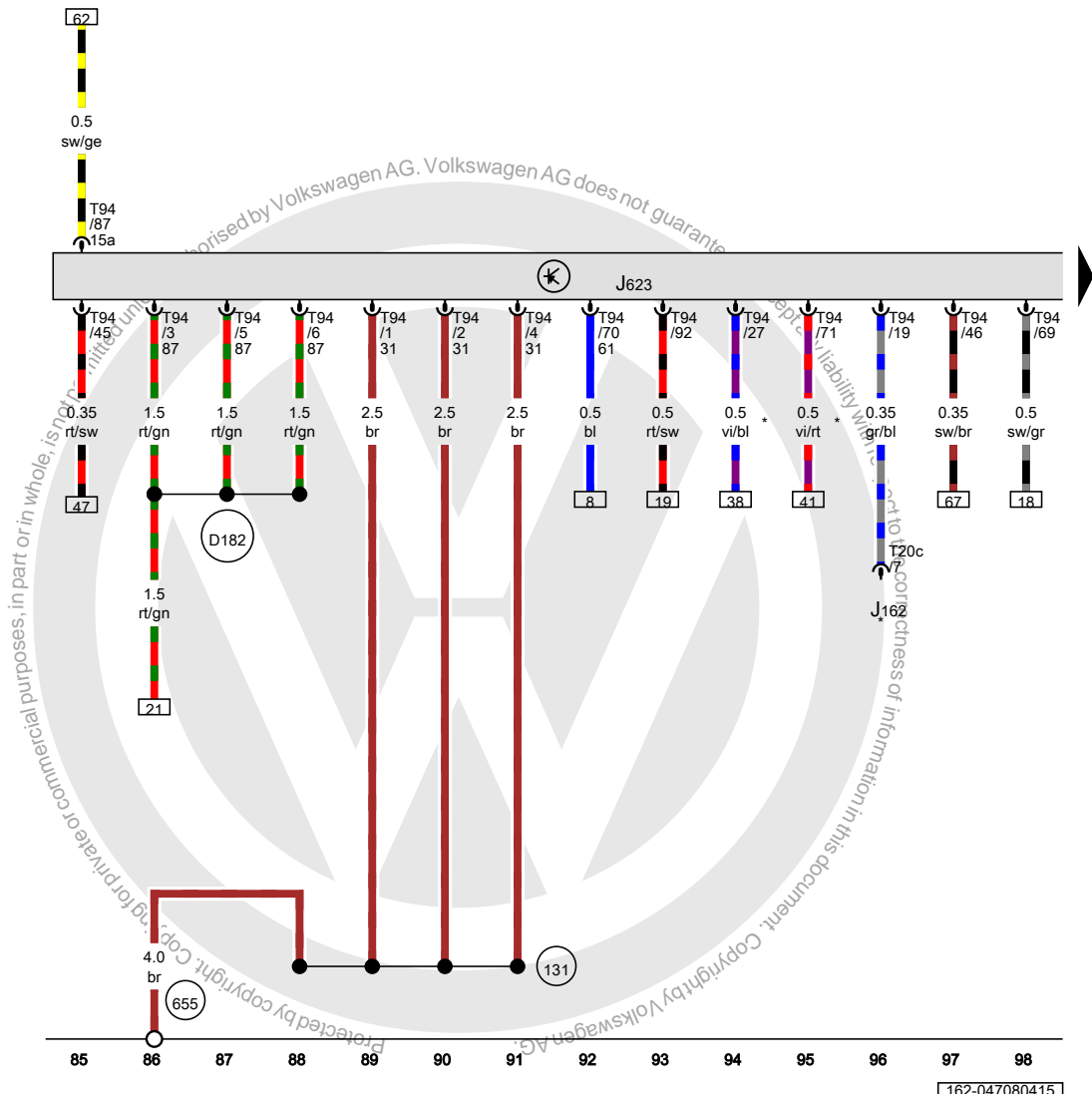


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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
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- rs = pink

Heater control unit, Engine control unit

- J162 Heater control unit
- J623 Engine control unit
- T20c 20-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with auxiliary air heating



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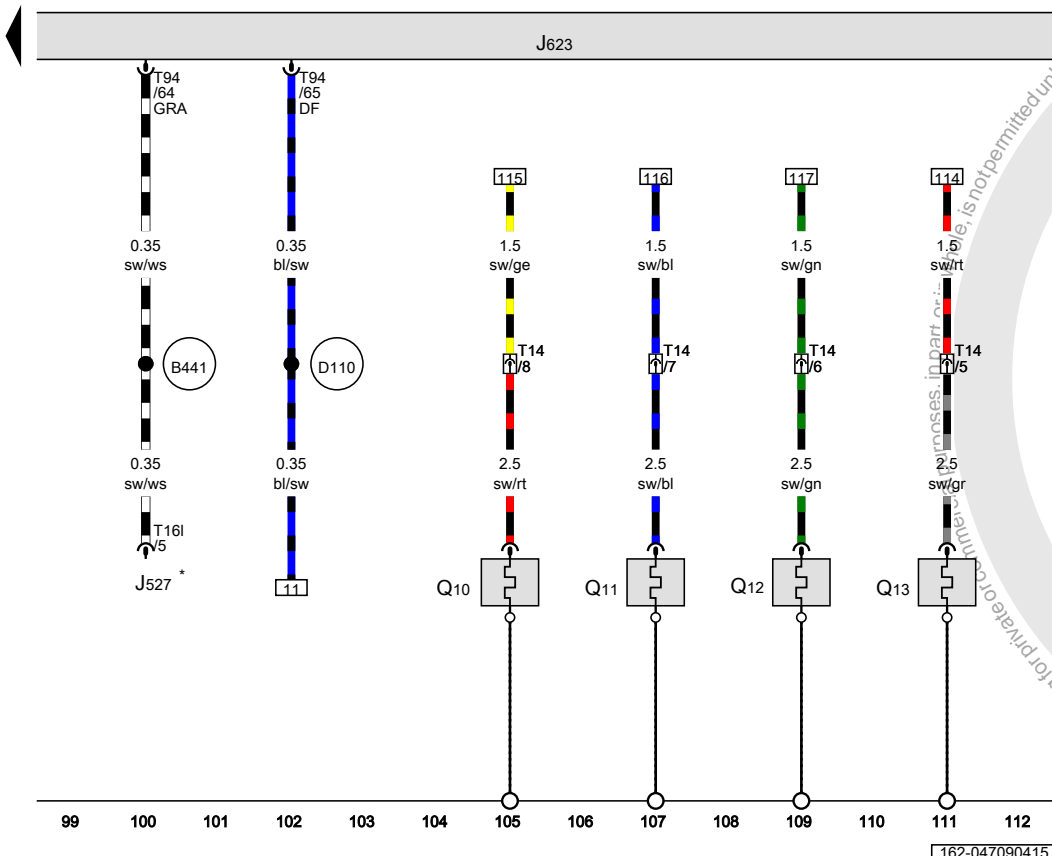
162-047080415

Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J527 Steering column electronics control unit
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T14 14-pin connector, near battery
- T16l 16-pin connector
- T94 94-pin connector

B441 Connection (CCS), in main wiring harness

D110 Connection 8 in engine compartment wiring harness
 * Only models with cruise control system (CCS)



- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- fi = purple
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- ge = yellow
- or = orange
- rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112

162-047090415

Automatic glow period control unit, Engine control unit

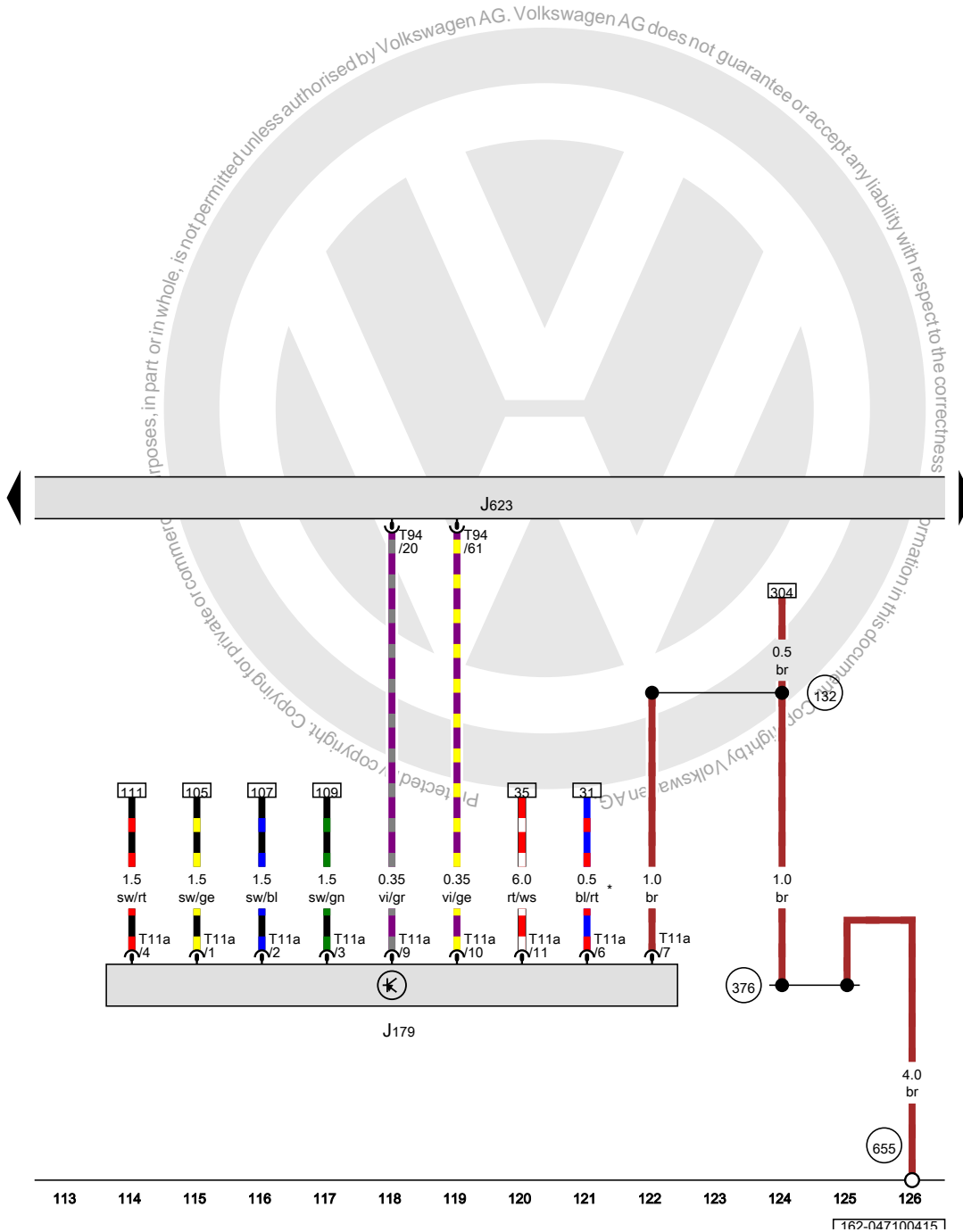
- J179 Automatic glow period control unit
- J623 Engine control unit
- T11a 11-pin connector
- T94 94-pin connector

132 Earth connection 3, in engine compartment wiring harness

376 Earth connection 11, in main wiring harness

655 Earth point, on left headlight

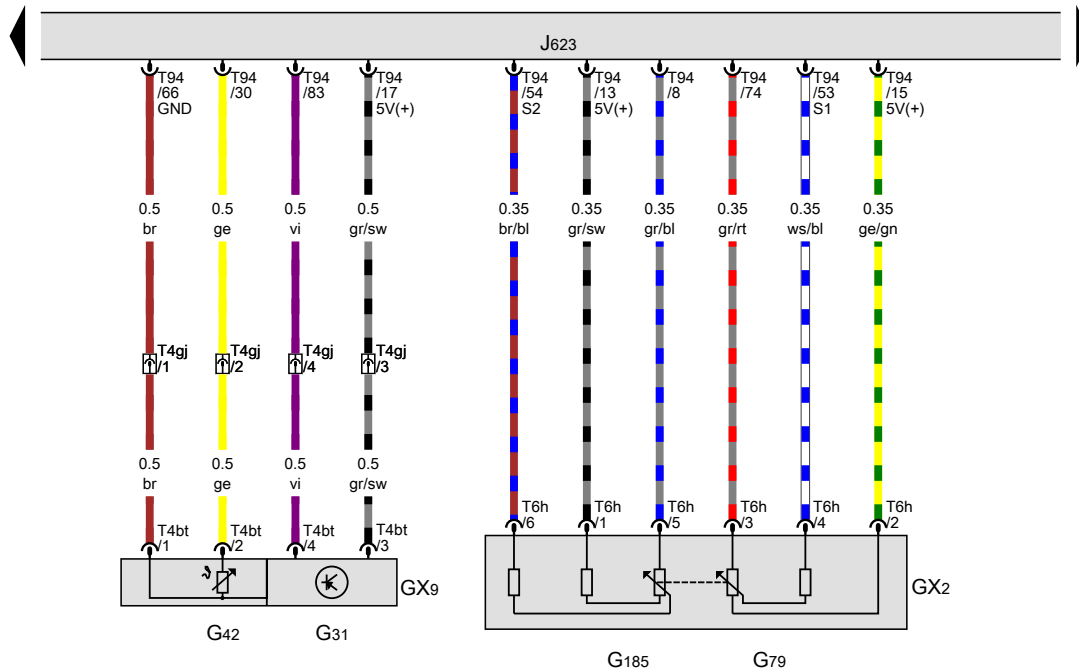
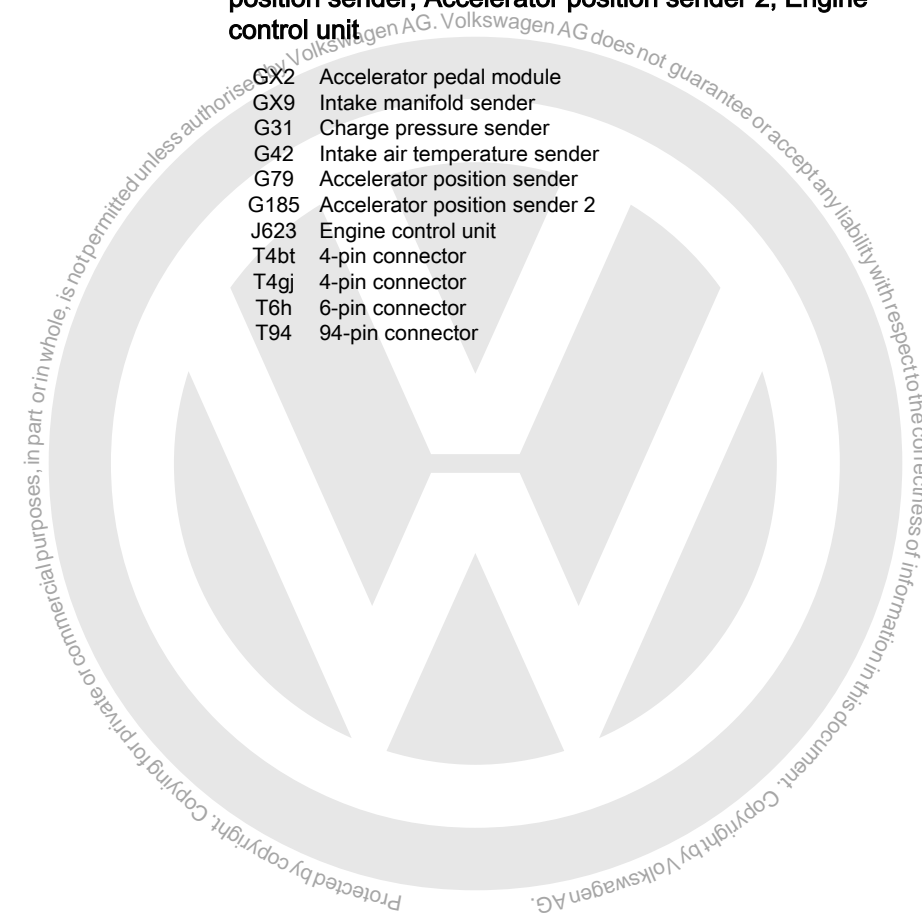
* Wiring colour depends on equipment



[162-047100415]

Accelerator pedal module, Intake manifold sender, Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector

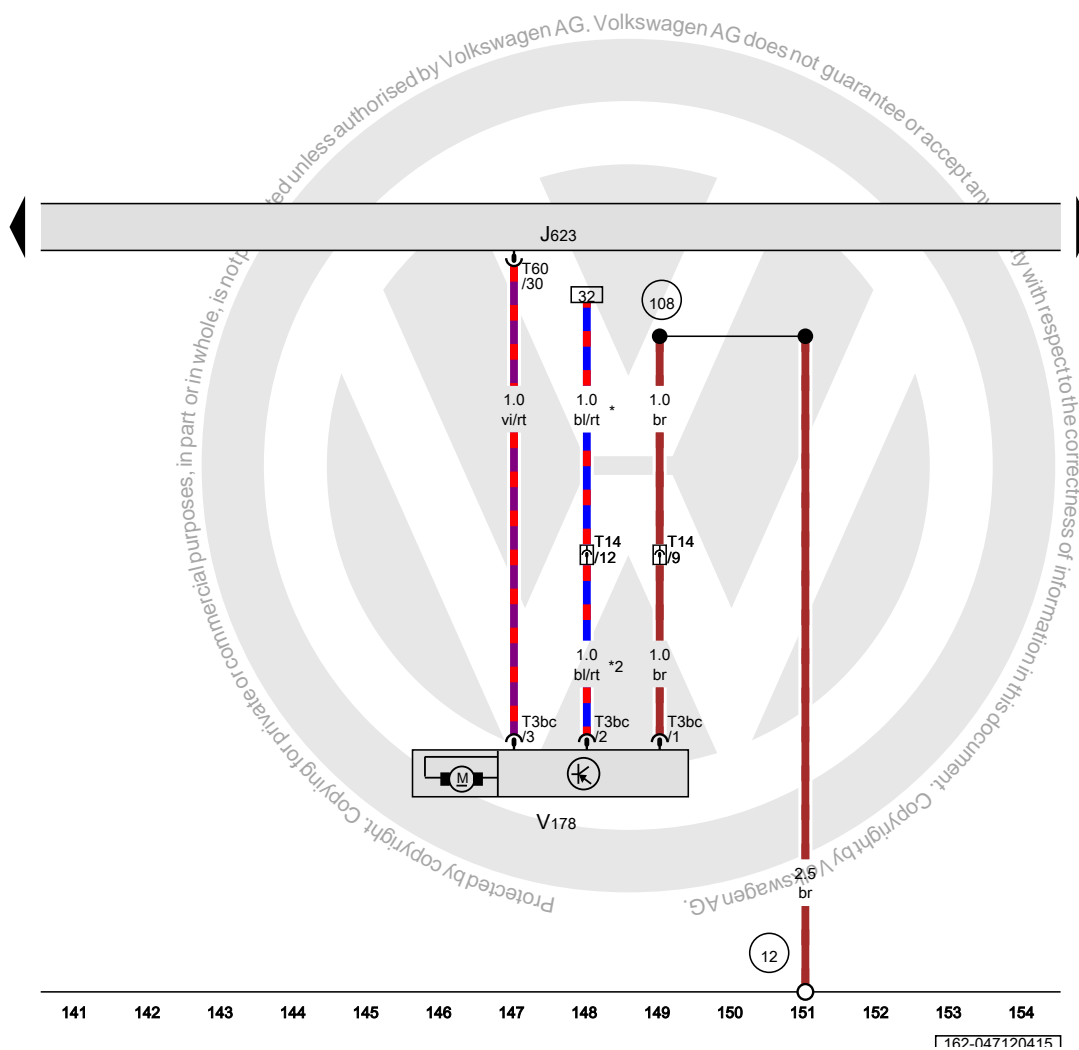


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- rs = pink

Engine control unit, Coolant circulation pump 2

- J623 Engine control unit
- T3bc 3-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- V178 Coolant circulation pump 2

- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- * Wiring colour depends on equipment
- *2 Cross section depends on equipment



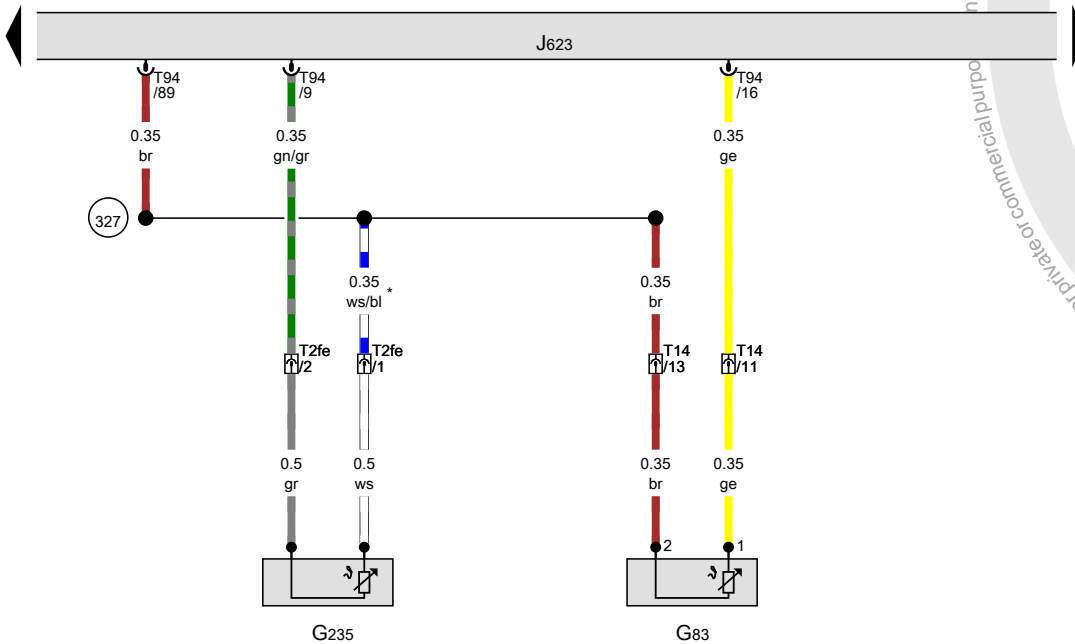
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- ge = yellow
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- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

[162-047120415]

Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- J623 Engine control unit
- T2fe 2-pin connector
- T14 14-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness
- * Wiring colour depends on equipment



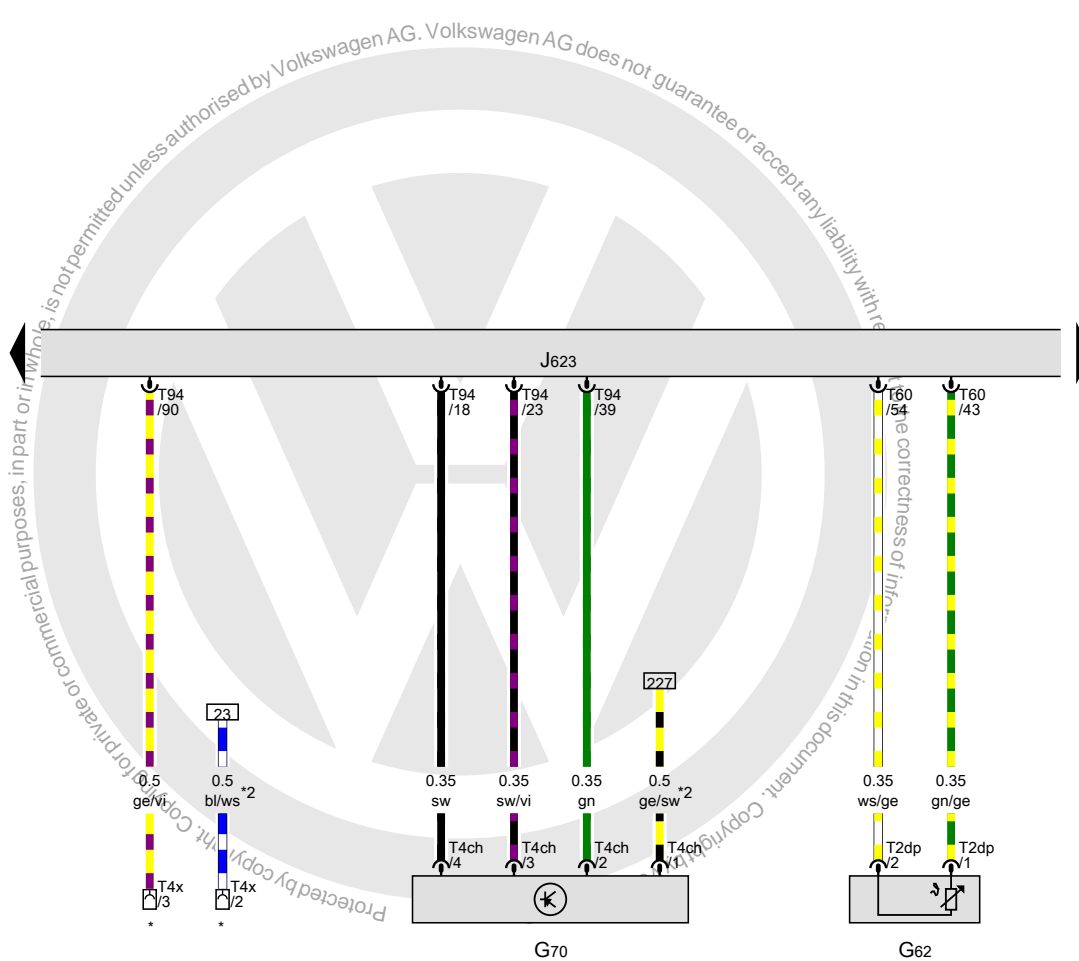
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- li = purple
- vi = purple
- ge = yellow
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- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-047130415

Coolant temperature sender, Air mass meter, Engine control unit

- G62 Coolant temperature sender
- G70 Air mass meter
- J623 Engine control unit
- T2dp 2-pin connector
- T4ch 4-pin connector
- T4x 4-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Radiator fan connection
- *2 Wiring colour depends on equipment

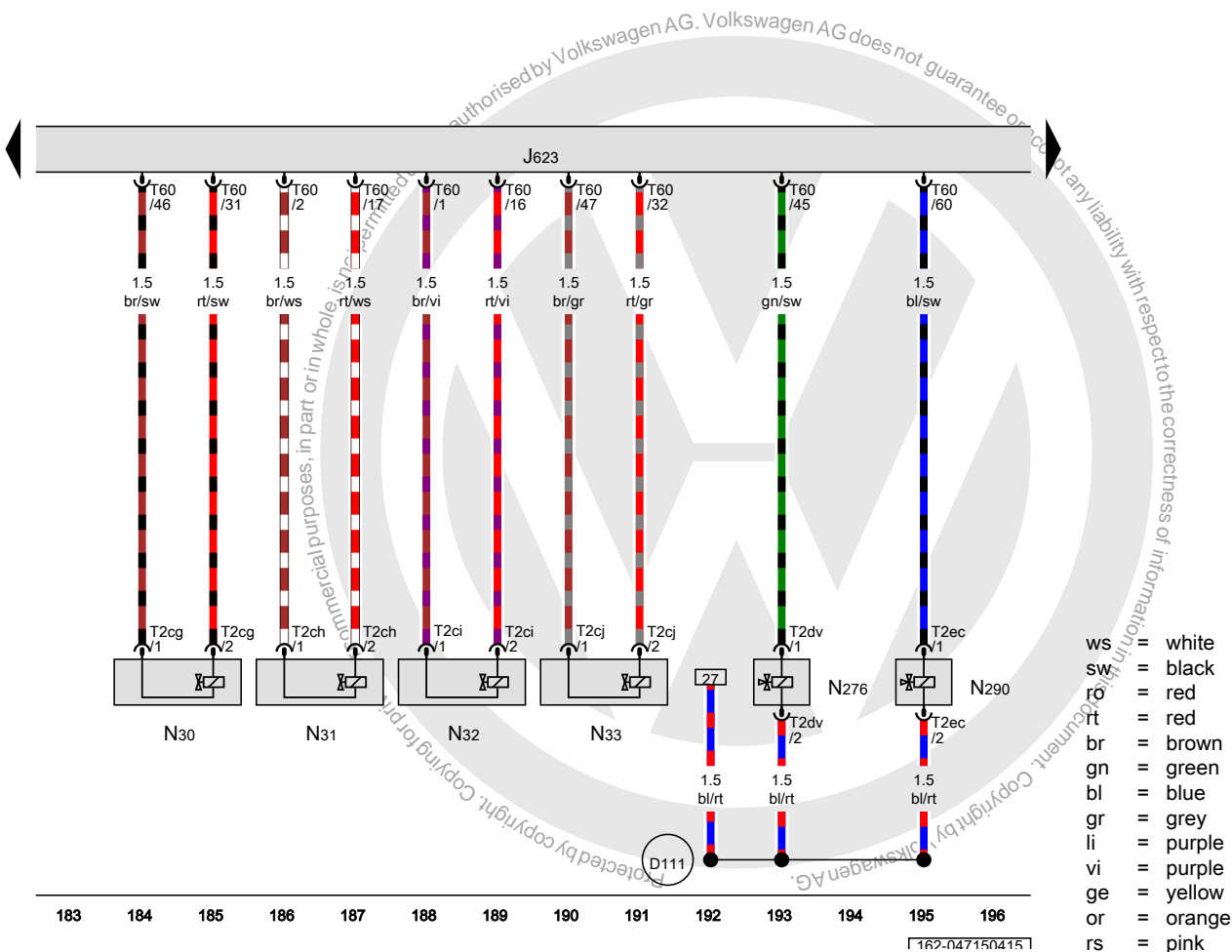


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- or = orange
- rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

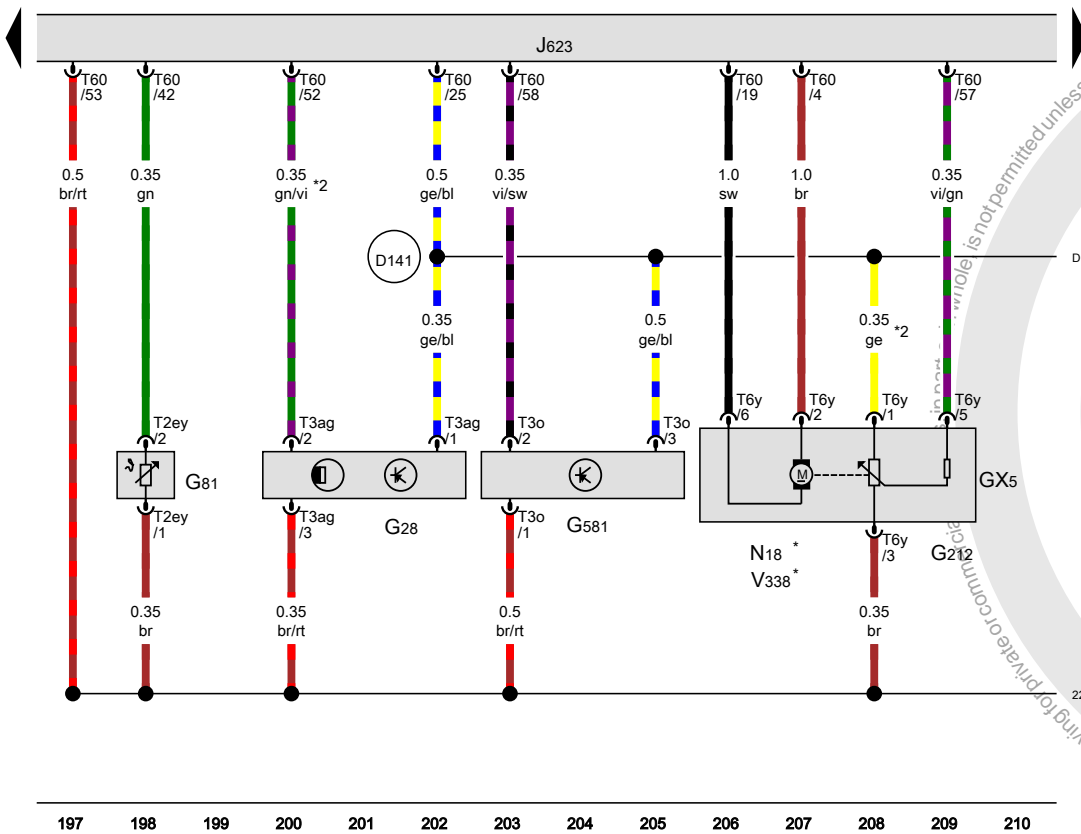
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T60 60-pin connector

D111 Connection 9 in engine compartment wiring harness



Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Engine control unit

- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N18 Exhaust gas recirculation valve
- T2ey 2-pin connector
- T3ag 3-pin connector
- T3o 3-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor



220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

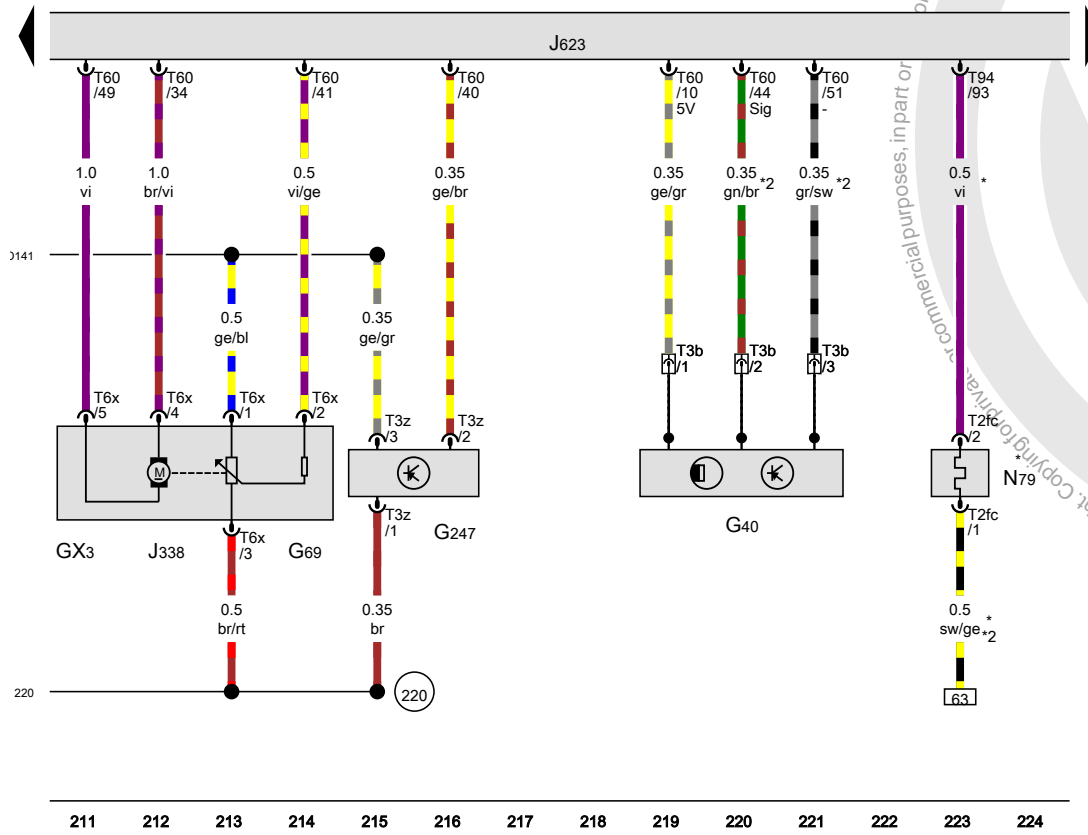
* According to equipment

*2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Throttle valve module, Hall sender, Throttle valve potentiometer, Fuel pressure sender, Engine control unit, Heater element for crankcase breather

- GX3 Throttle valve module
- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine control unit
- N79 Heater element for crankcase breather
- T2fc 2-pin connector
- T3b 3-pin connector
- T3z 3-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- (220) Earth connection (sender earth), in engine wiring harness
- (D141) Connection (5V) in engine prewiring harness
- * Only models with crankcase breather heater element
- *2 Wiring colour depends on equipment



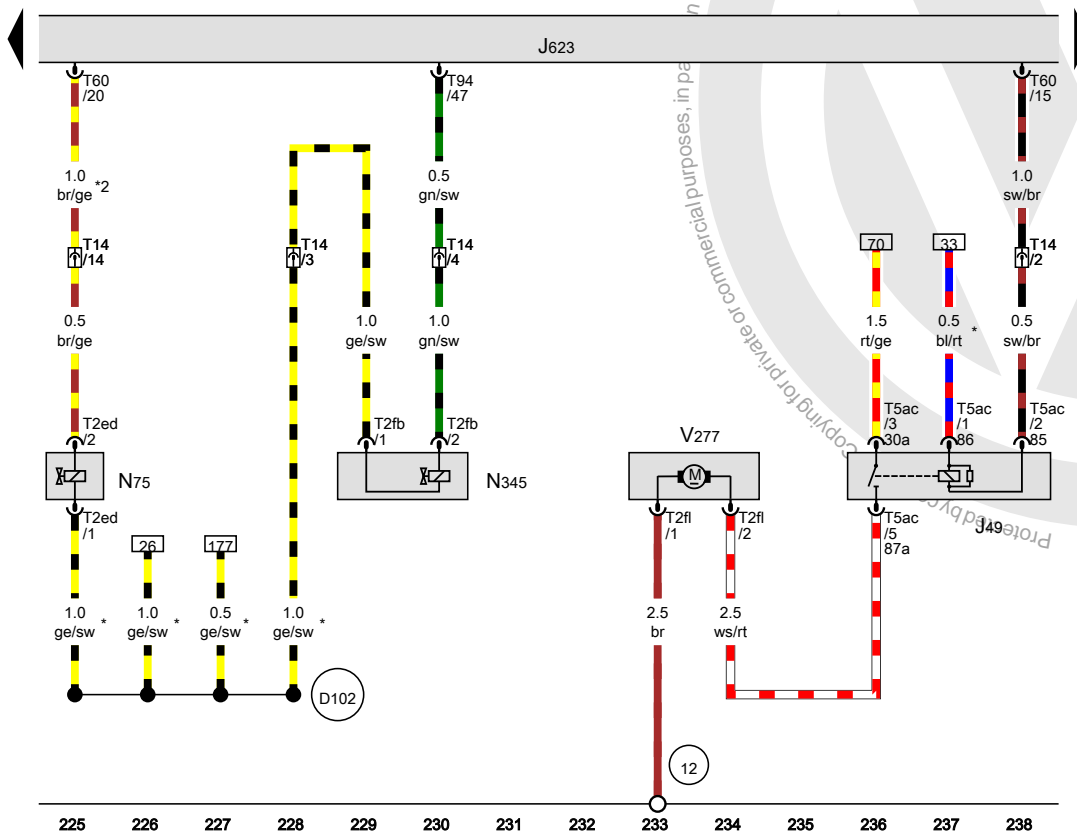
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-047170415]

Electric fuel pump 2 relay, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Fuel pump 2

- J49 Electric fuel pump 2 relay
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T2ed 2-pin connector
- T2fb 2-pin connector
- T2fl 2-pin connector
- T5ac 5-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V277 Fuel pump 2

- 12 Earth point, on left in engine compartment
- D102 Connection 2 in engine compartment wiring harness
- * Wiring colour depends on equipment
- *2 Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-047180415

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

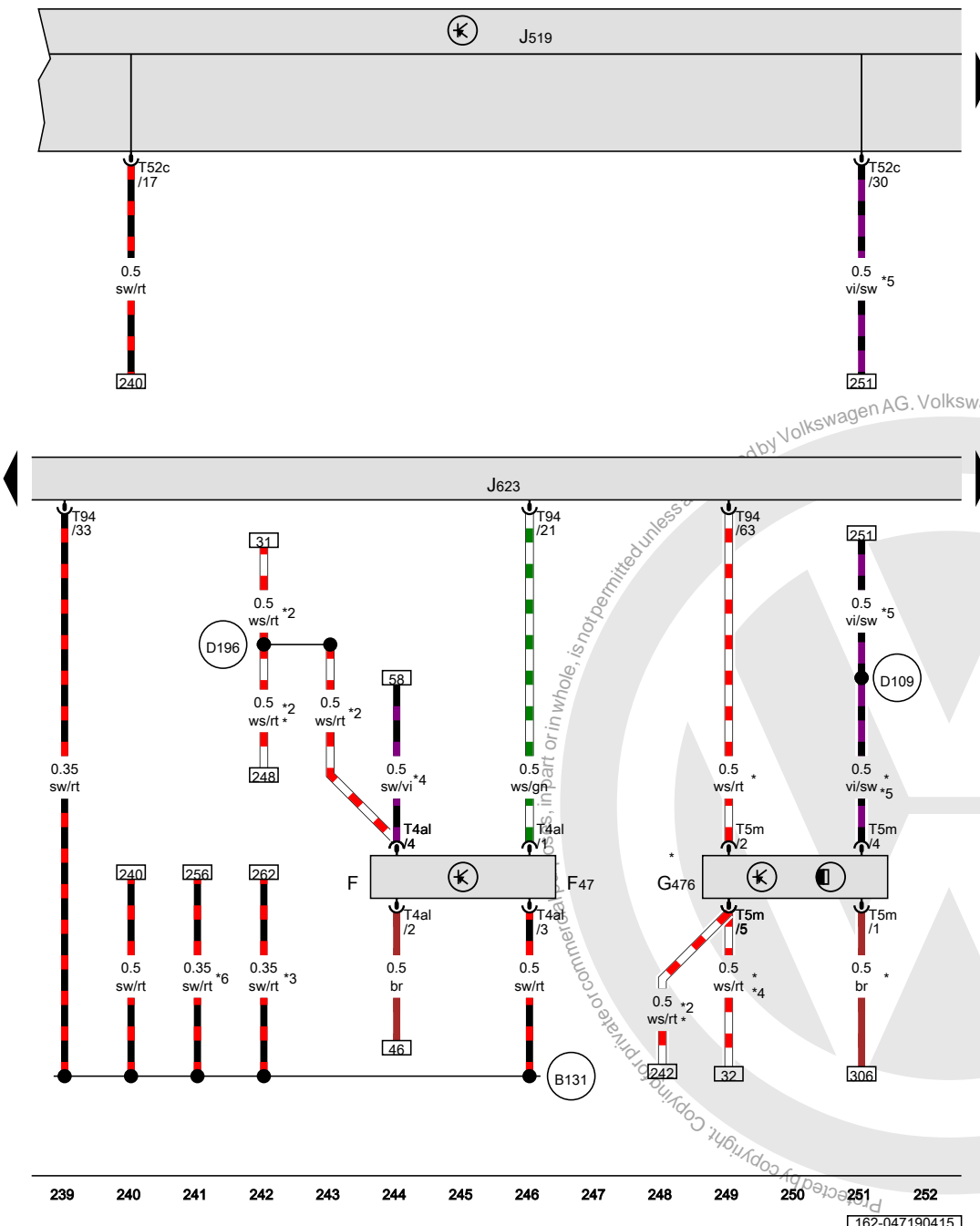
- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

(B131) Connection (54), in interior wiring harness

(D109) Connection 7 in engine compartment wiring harness

(D196) Connection 2 (87a) in engine prewiring harness

- * Only models with manual gearbox
- *2 gradual introduction
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Gradually discontinued
- *5 Wiring colour depends on equipment
- *6 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

ABS control unit, Onboard supply control unit, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

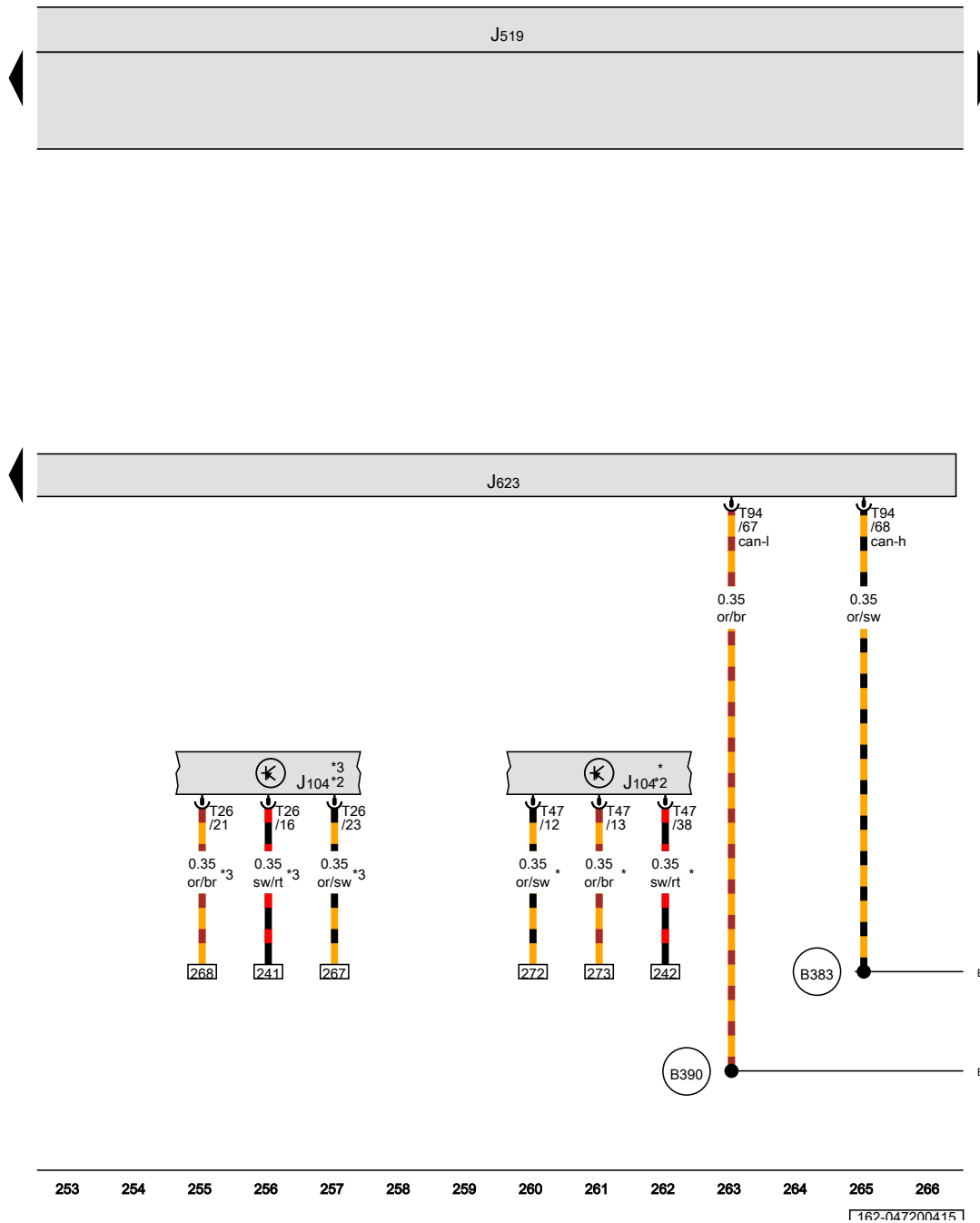
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 According to equipment

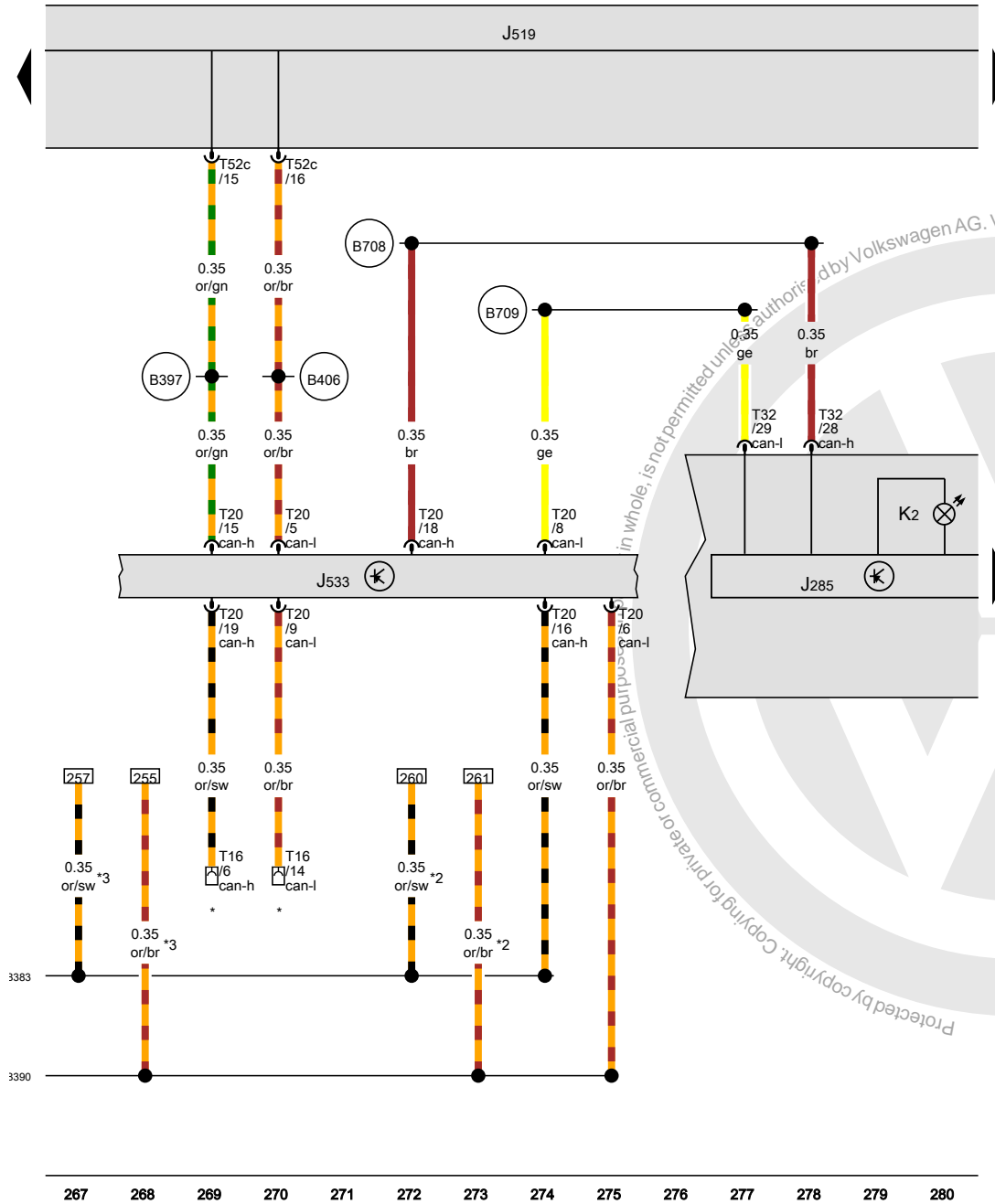
*3 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

253 254 255 256 257 258 259 260 261 262 263 264 265 266

[162-047200415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

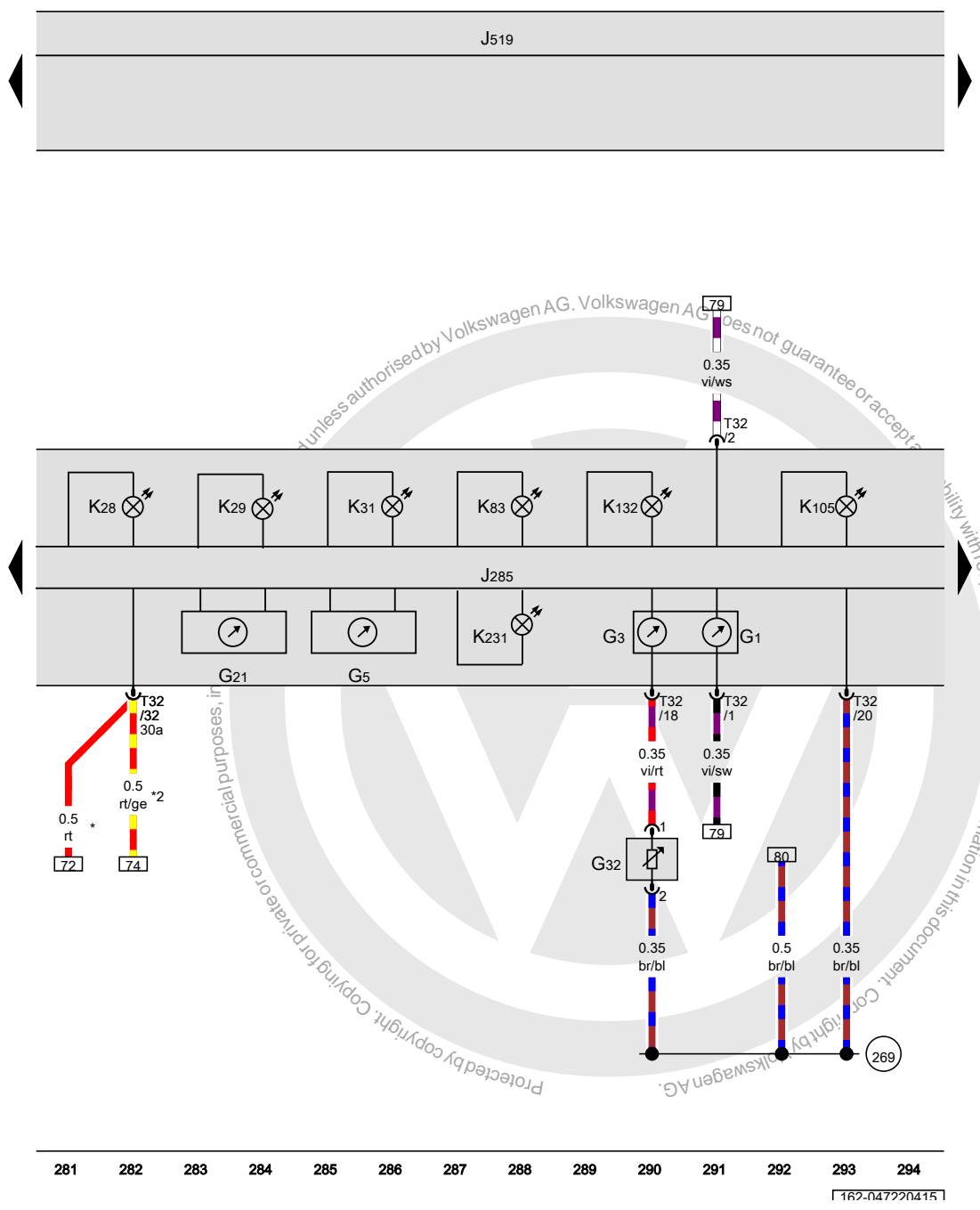
Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Cruise control system warning lamp, Electronic power control fault lamp, Diesel particulate filter warning lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- K231 Diesel particulate filter warning lamp
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness

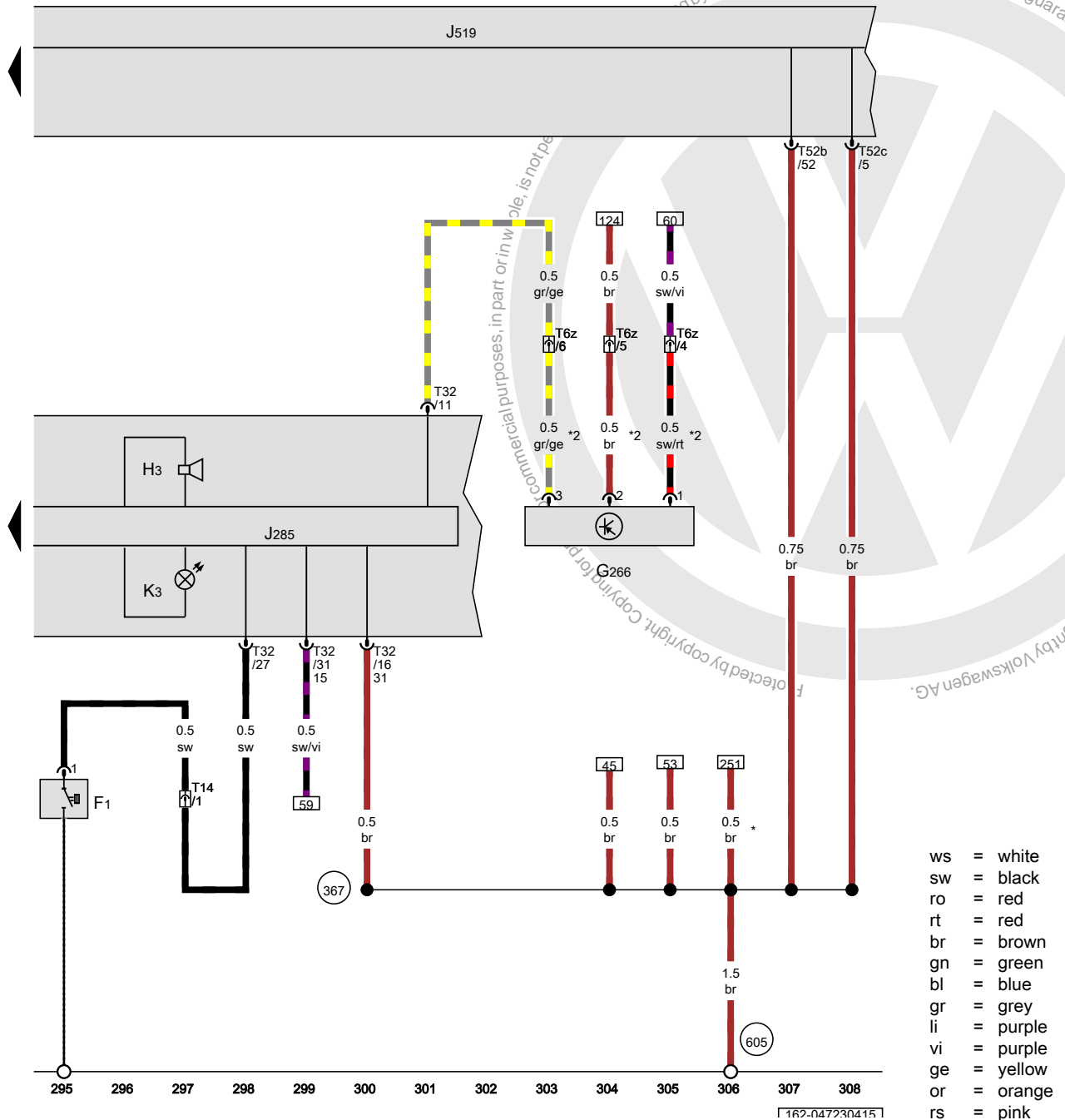
- * gradual introduction
- *2 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with manual gearbox
- *2 Only models with flexible service interval display



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-047230415

2.0l petrol engine , CBPA,(AW1)

From February 2011

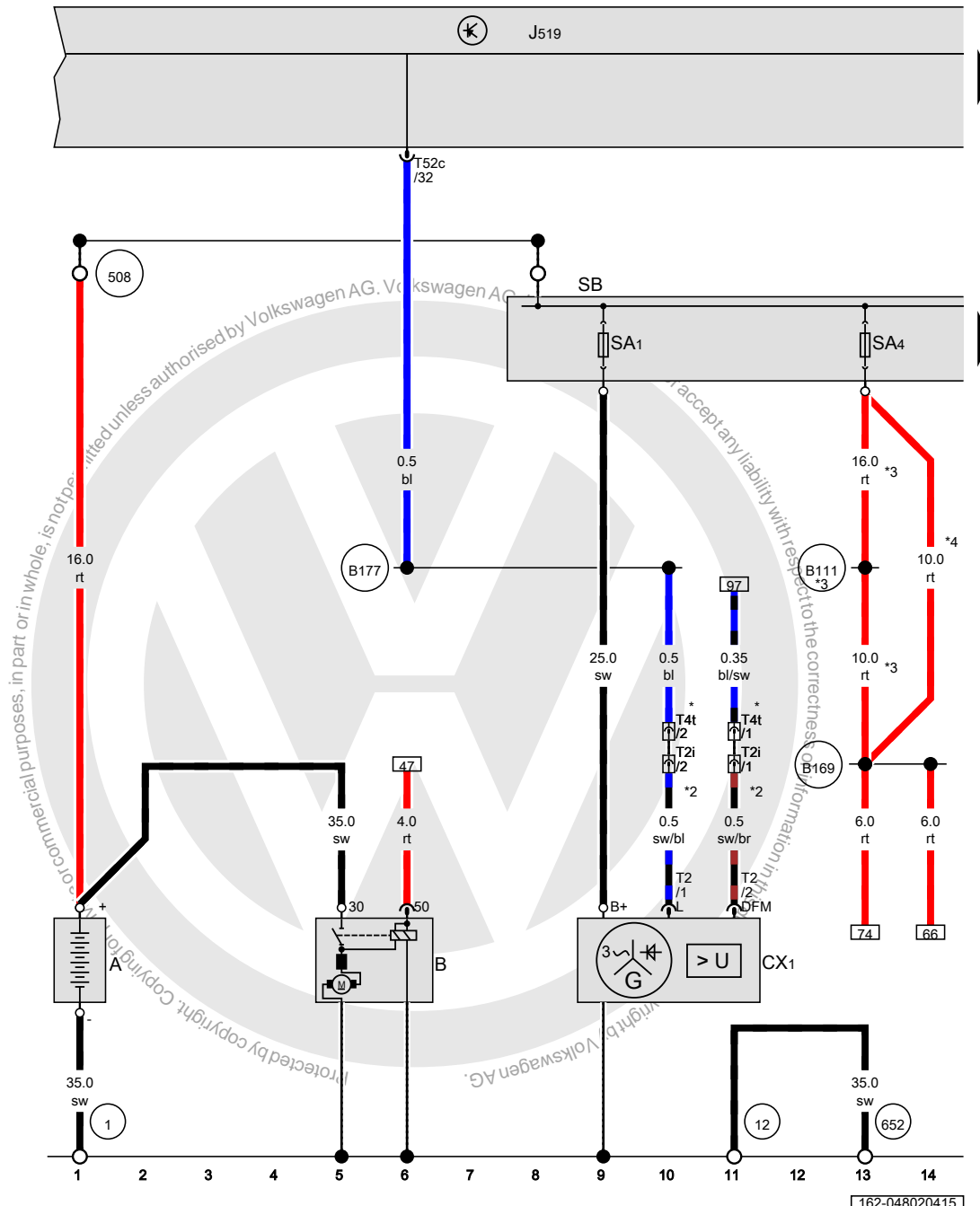


Battery, Starter, Alternator with voltage regulator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder B

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 Gradually discontinued
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



16P-048020415

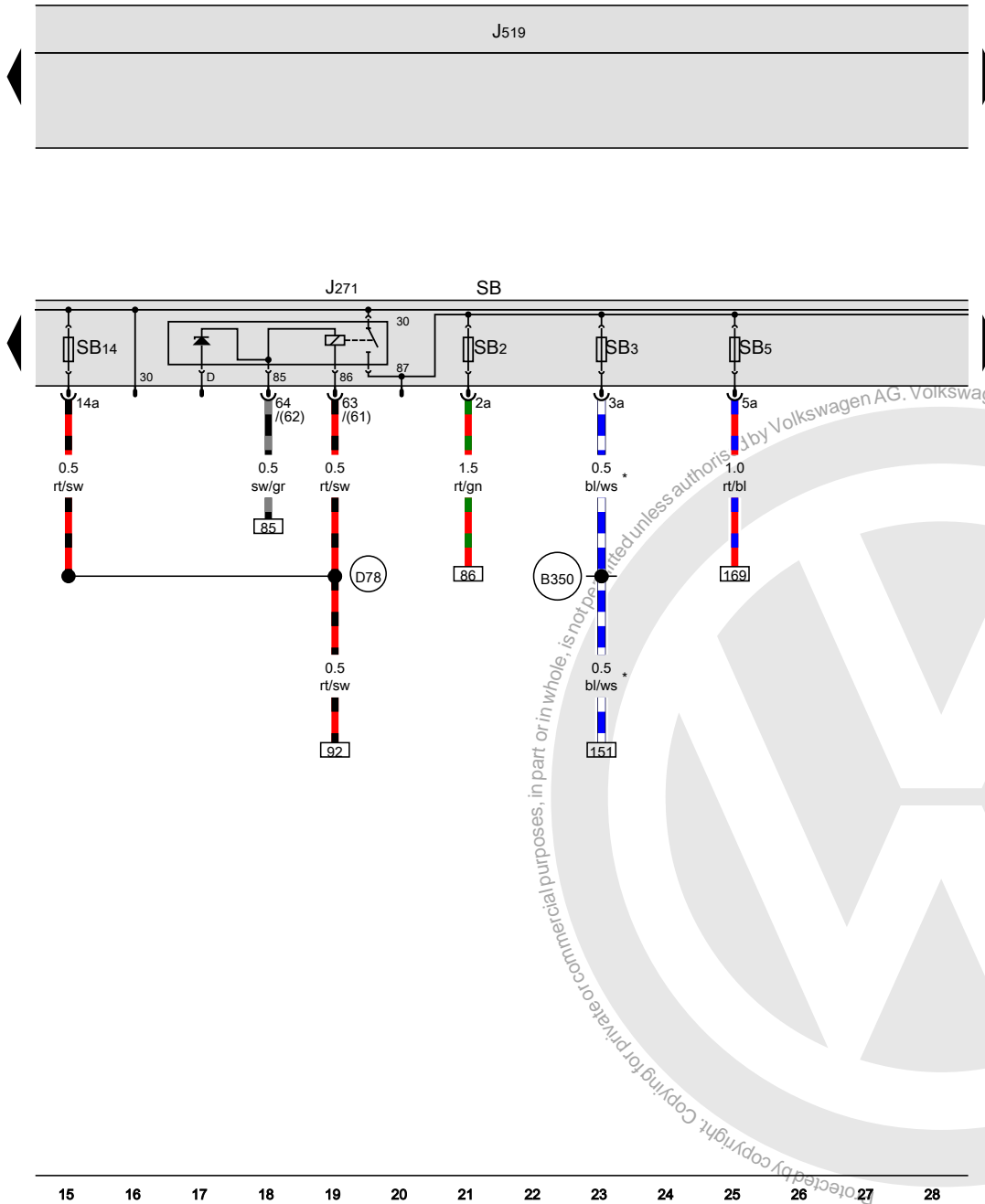
Main relay, Onboard supply control unit, Fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B

B350 Positive connection 1 (87a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

* Wiring colour depends on equipment



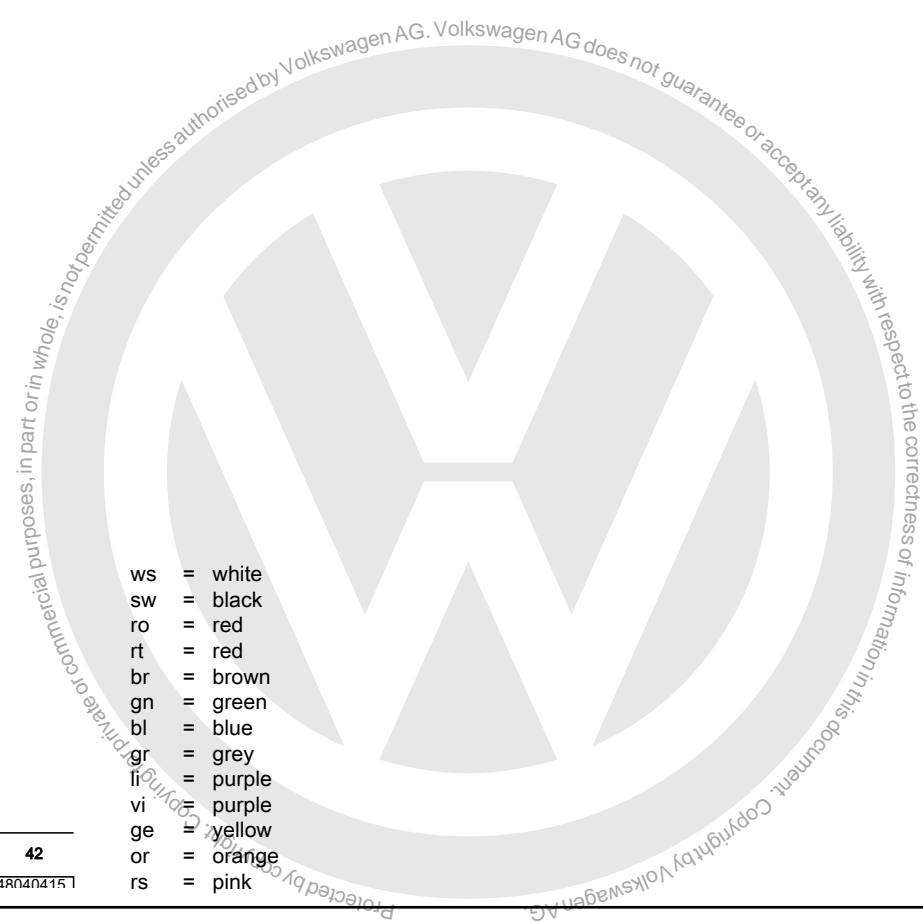
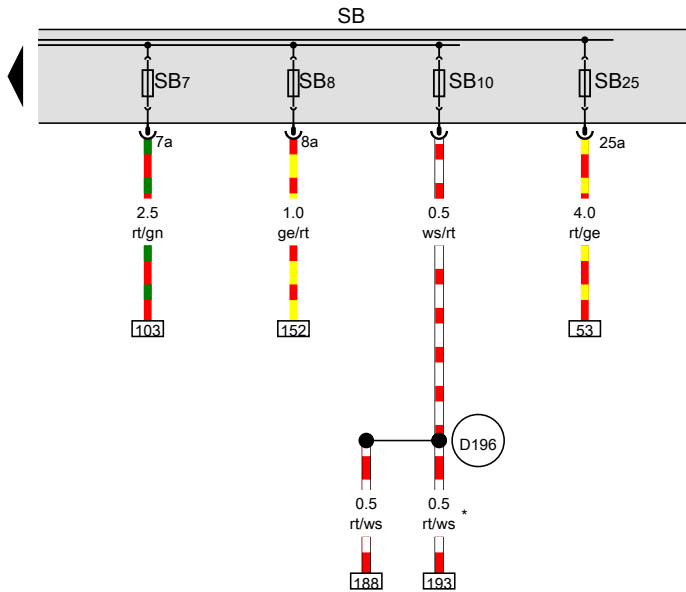
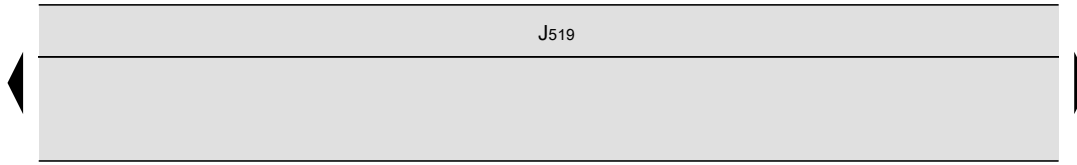
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Fuse holder B

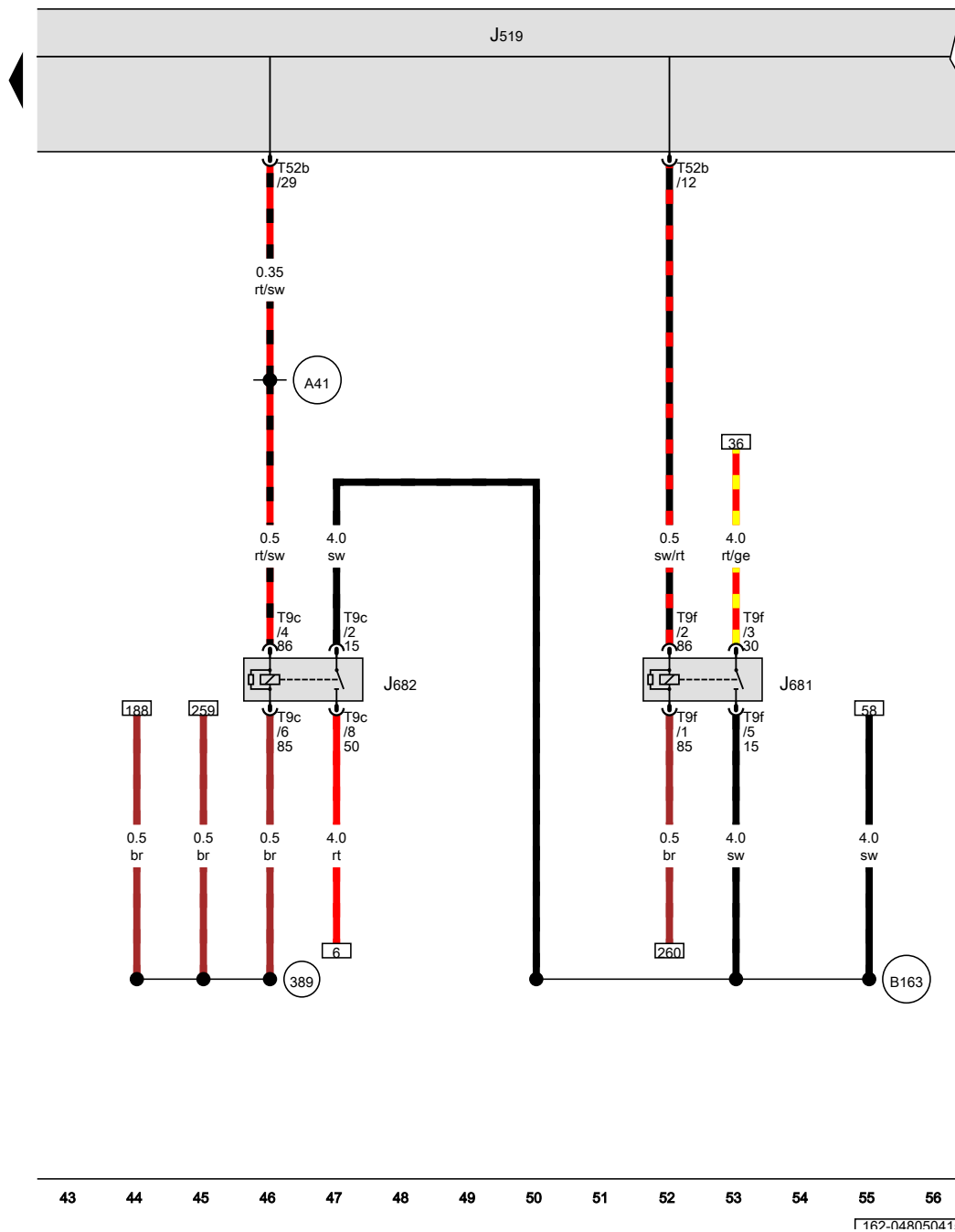
- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B

D196 Connection 2 (87a) in engine prewiring harness

* Only models with manual gearbox



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

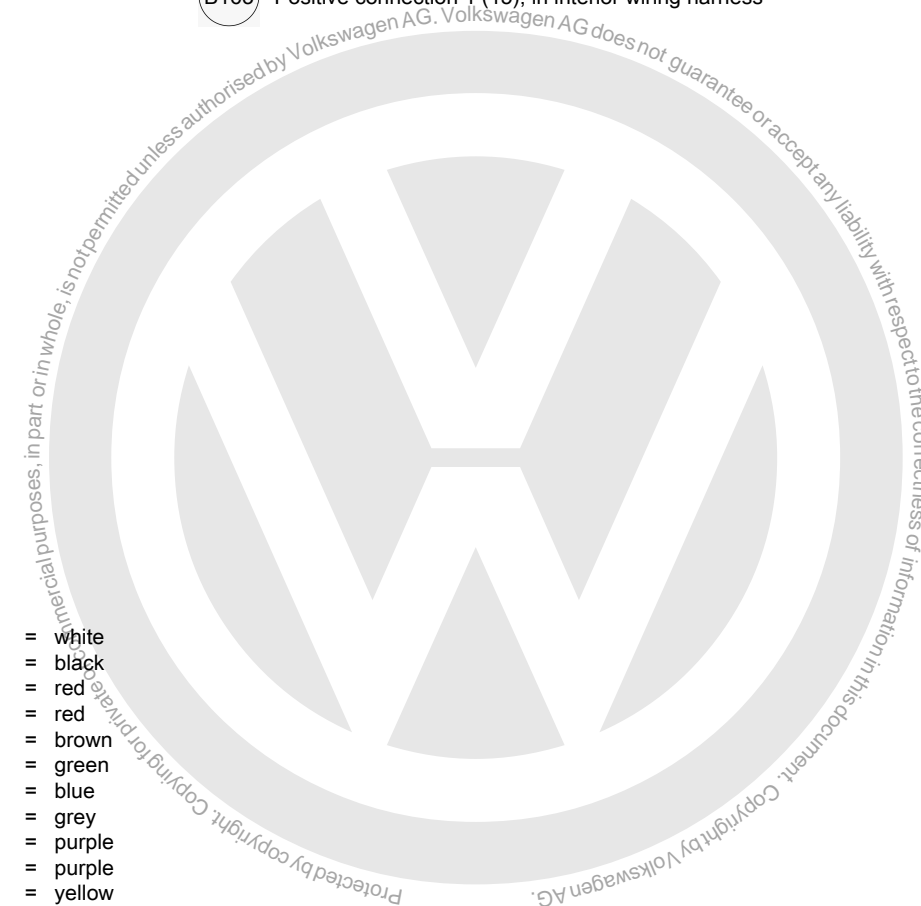


Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



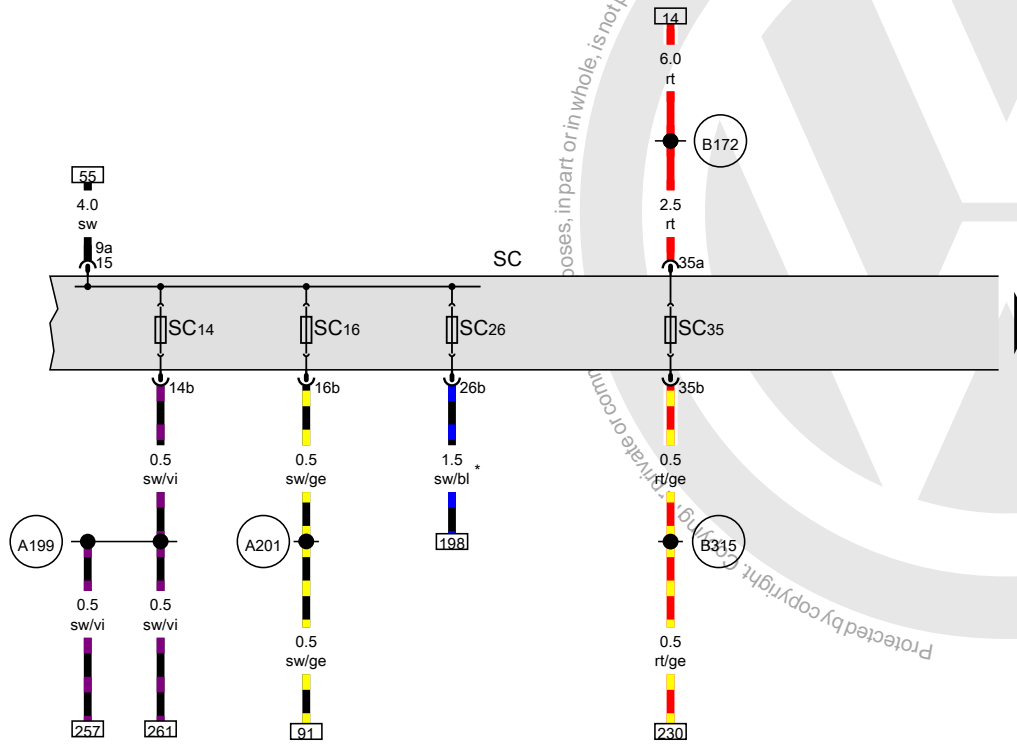
43 44 45 46 47 48 49 50 51 52 53 54 55 56

162-048050415

Fuse holder C

- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * According to equipment

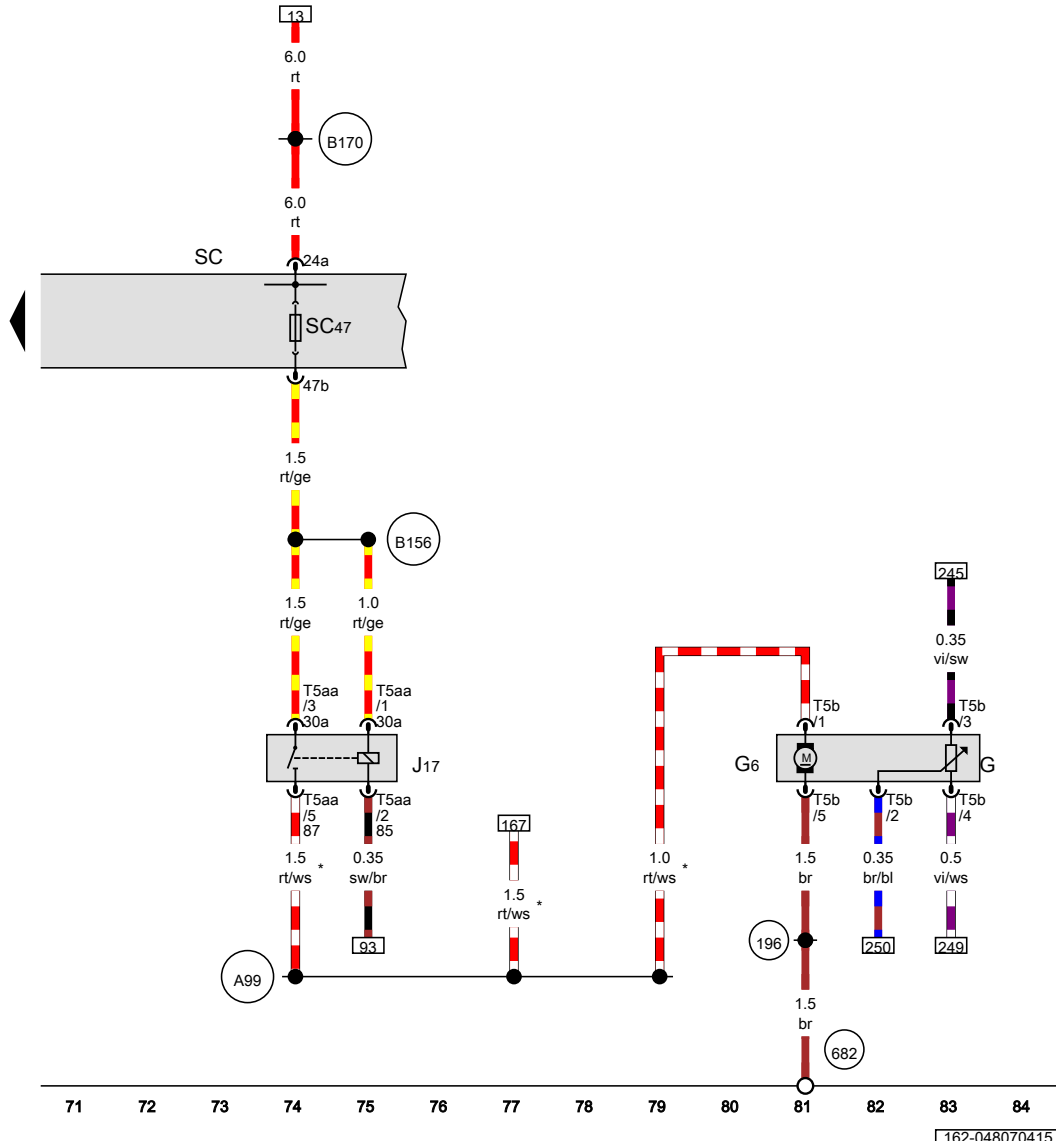


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

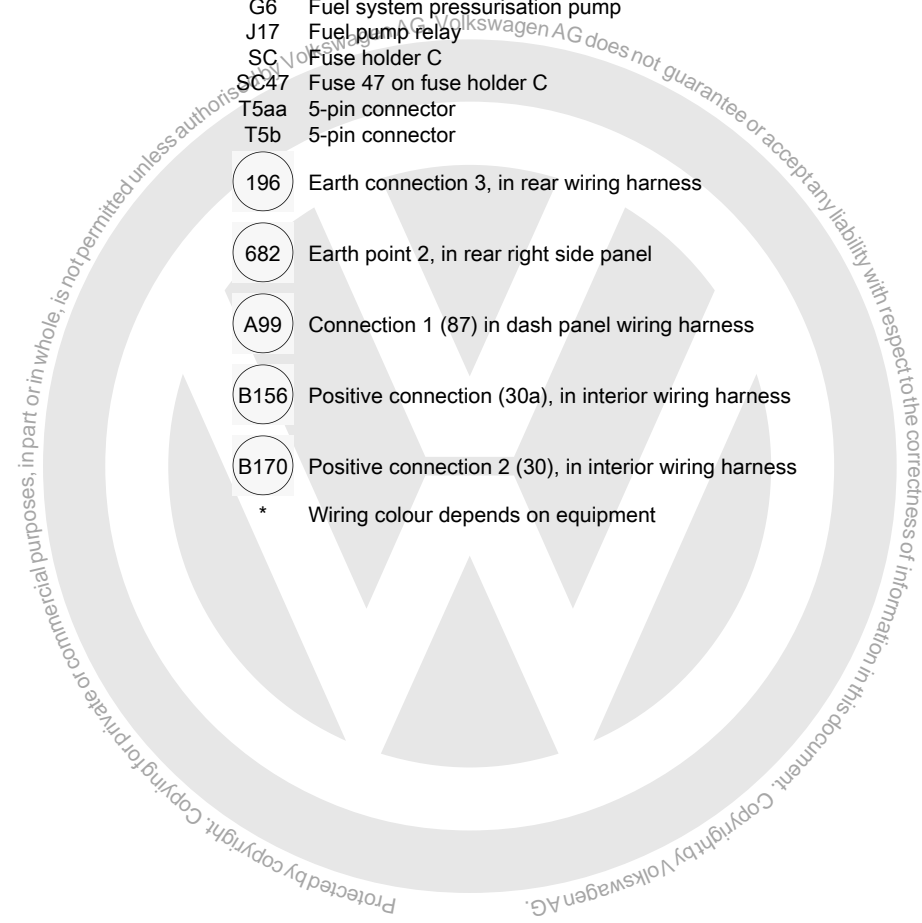
Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

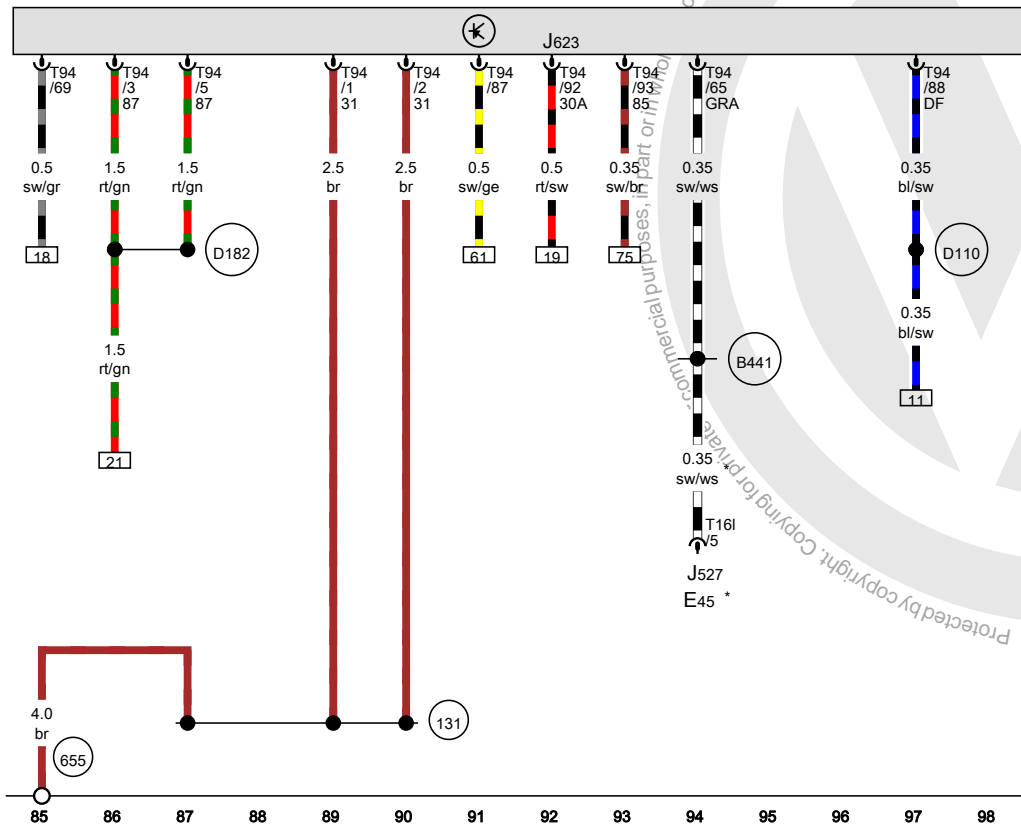


162-048070415

Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- T161 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

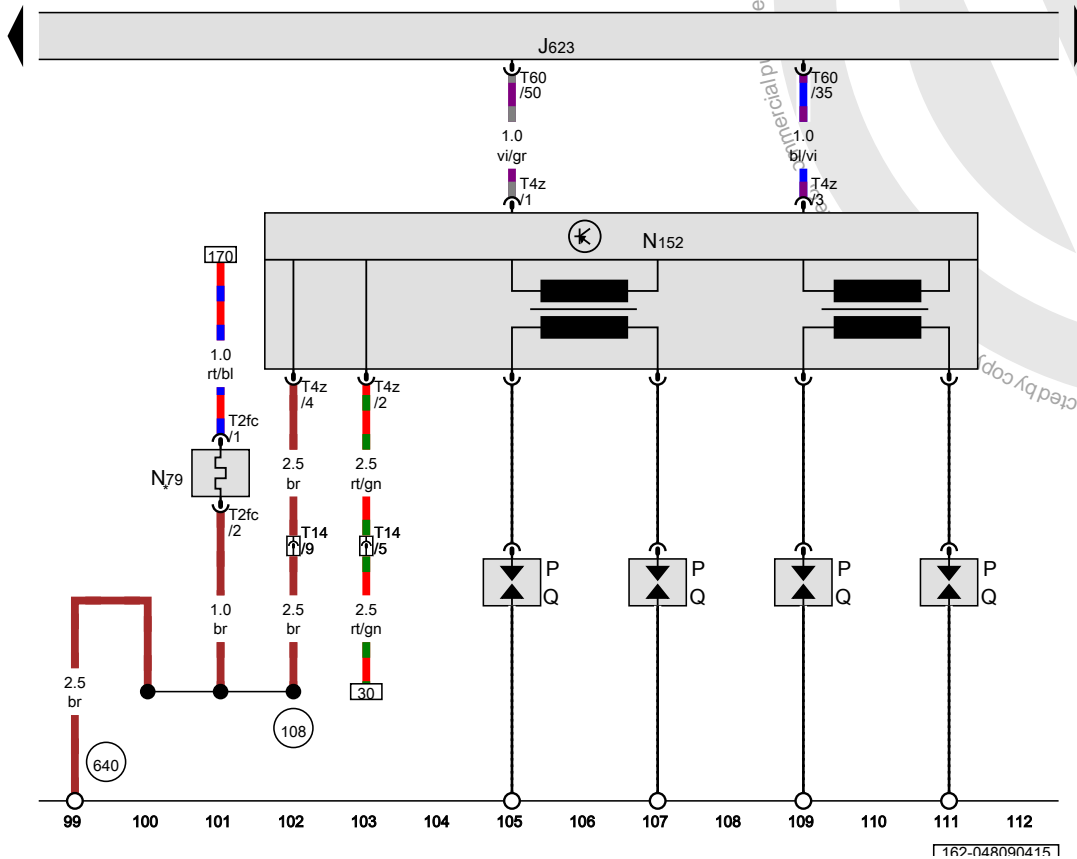
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162-048080415

Engine control unit, Spark plug connector, Spark plugs

- J623 Engine control unit
- N79 Heater element for crankcase breather
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T2fc 2-pin connector
- T4z 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 108 Earth connection 2, in front left wiring harness
- 640 Earth point 2, left in engine compartment
- * Only for countries with cold climate

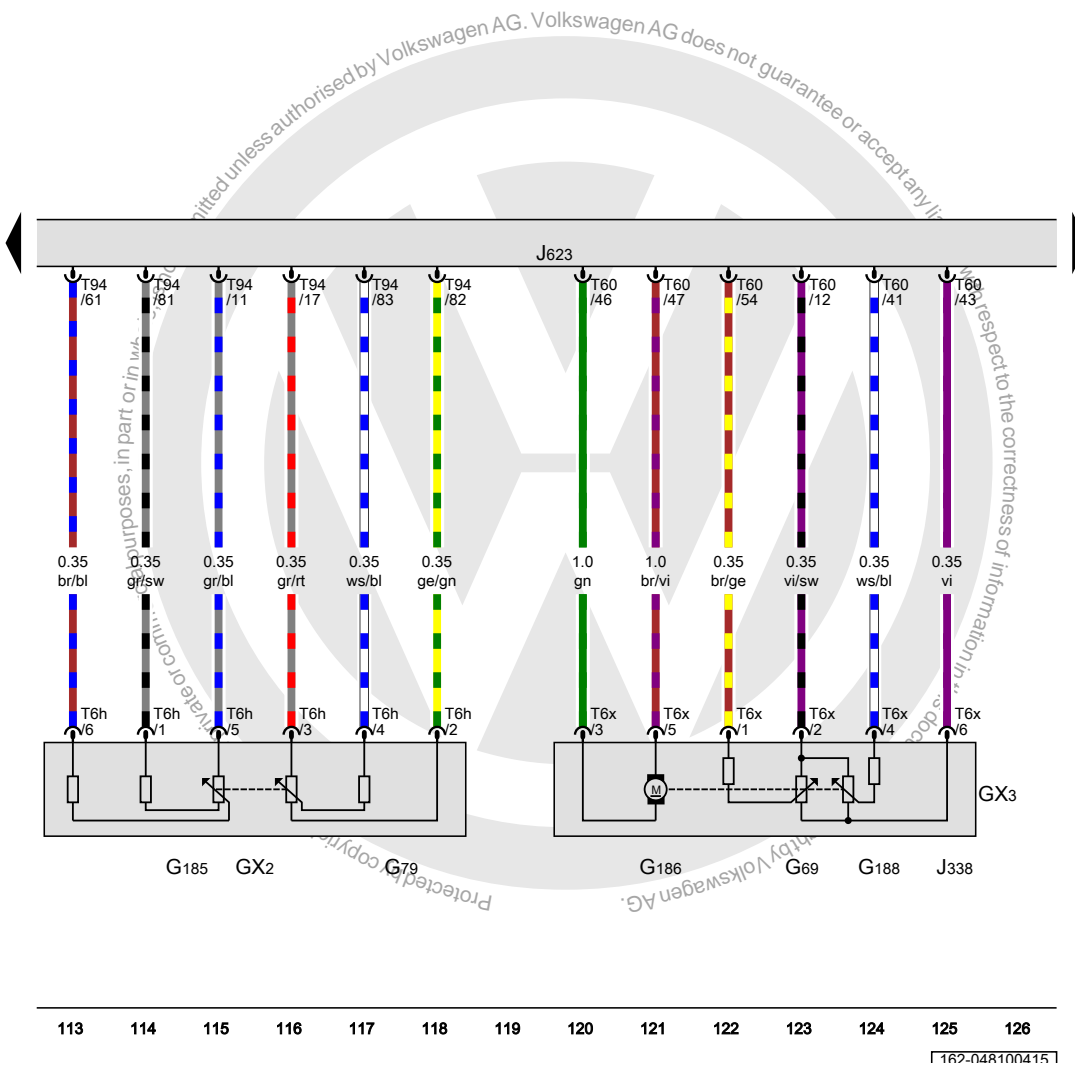


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-048090415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Throttle valve drive for electric throttle, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G69 Throttle valve potentiometer
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector



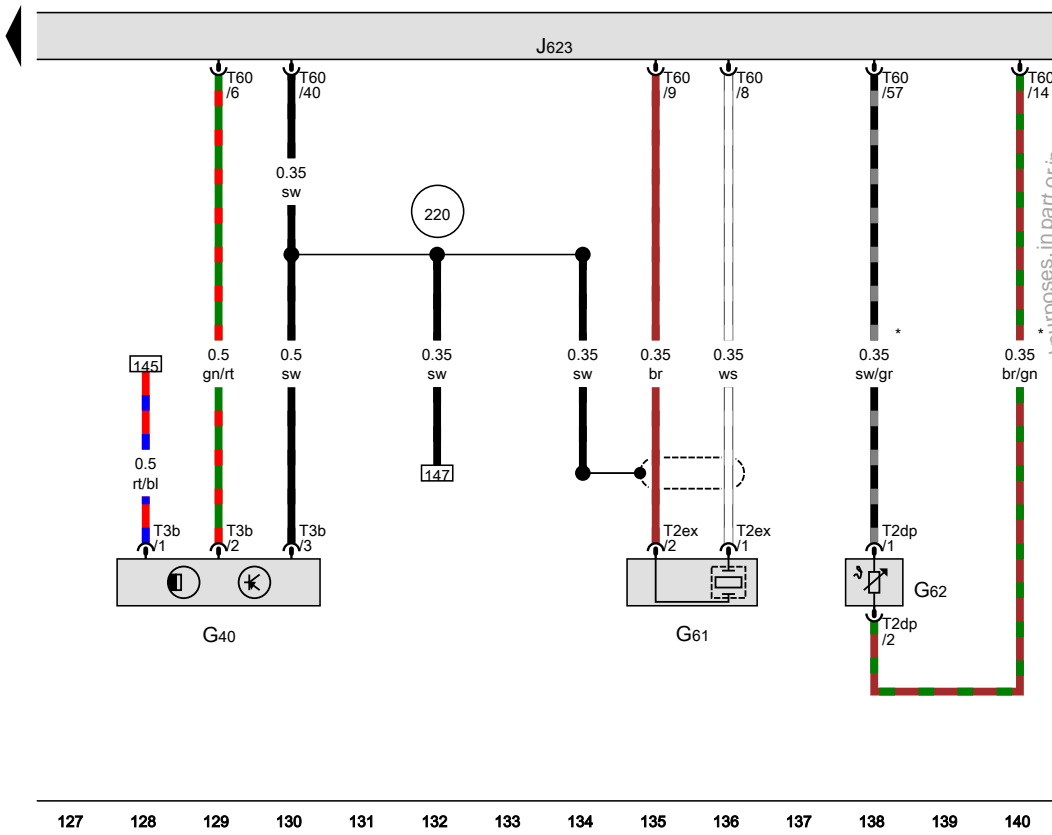
162-048100415

Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3b 3-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

* Wiring colour depends on equipment



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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

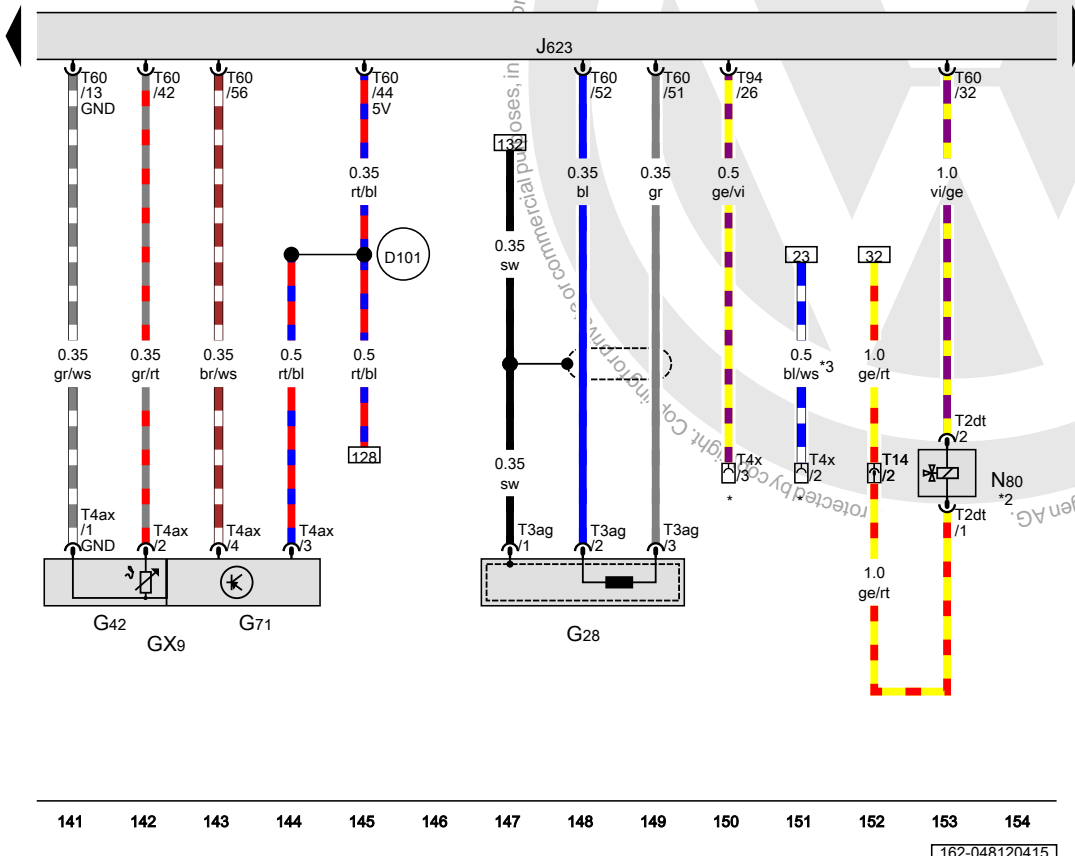
162-04R110415

Intake manifold sender, Engine speed sender, Intake air temperature sender, Engine control unit, Activated charcoal filter solenoid valve 1

- GX9 Intake manifold sender
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- T2dt 2-pin connector
- T3ag 3-pin connector
- T4ax 4-pin connector
- T4x 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

D101 Connection 1 in engine compartment wiring harness

- * Radiator fan connection
- *2 According to equipment
- *3 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

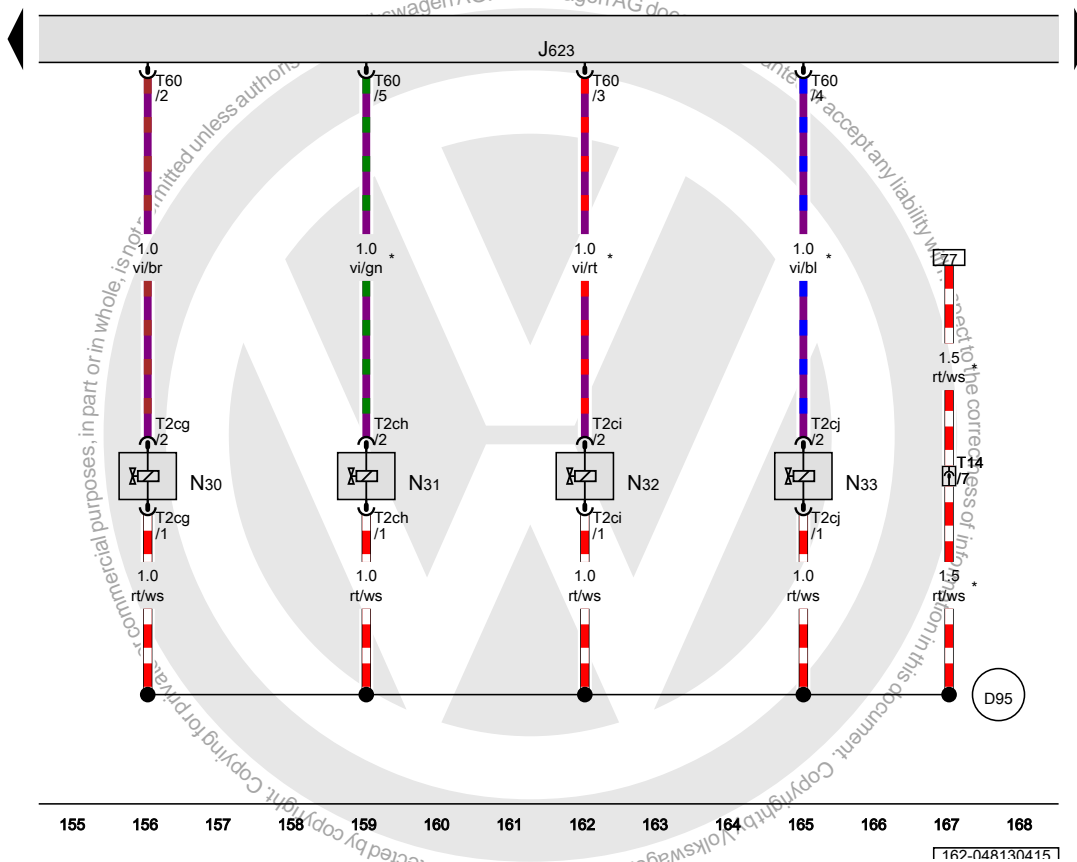
[162-04R120415]

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

D95 Connection (injectors), in engine compartment wiring harness

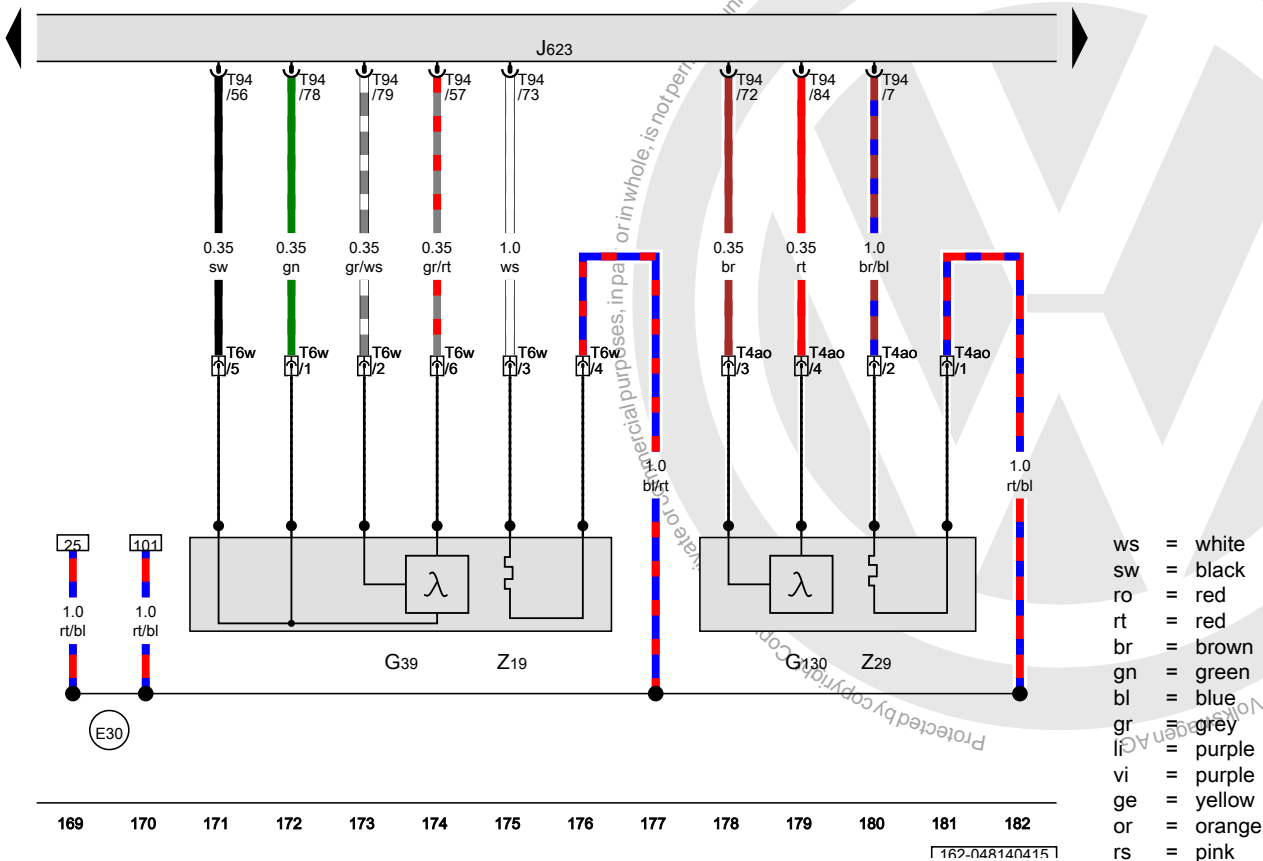
* Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



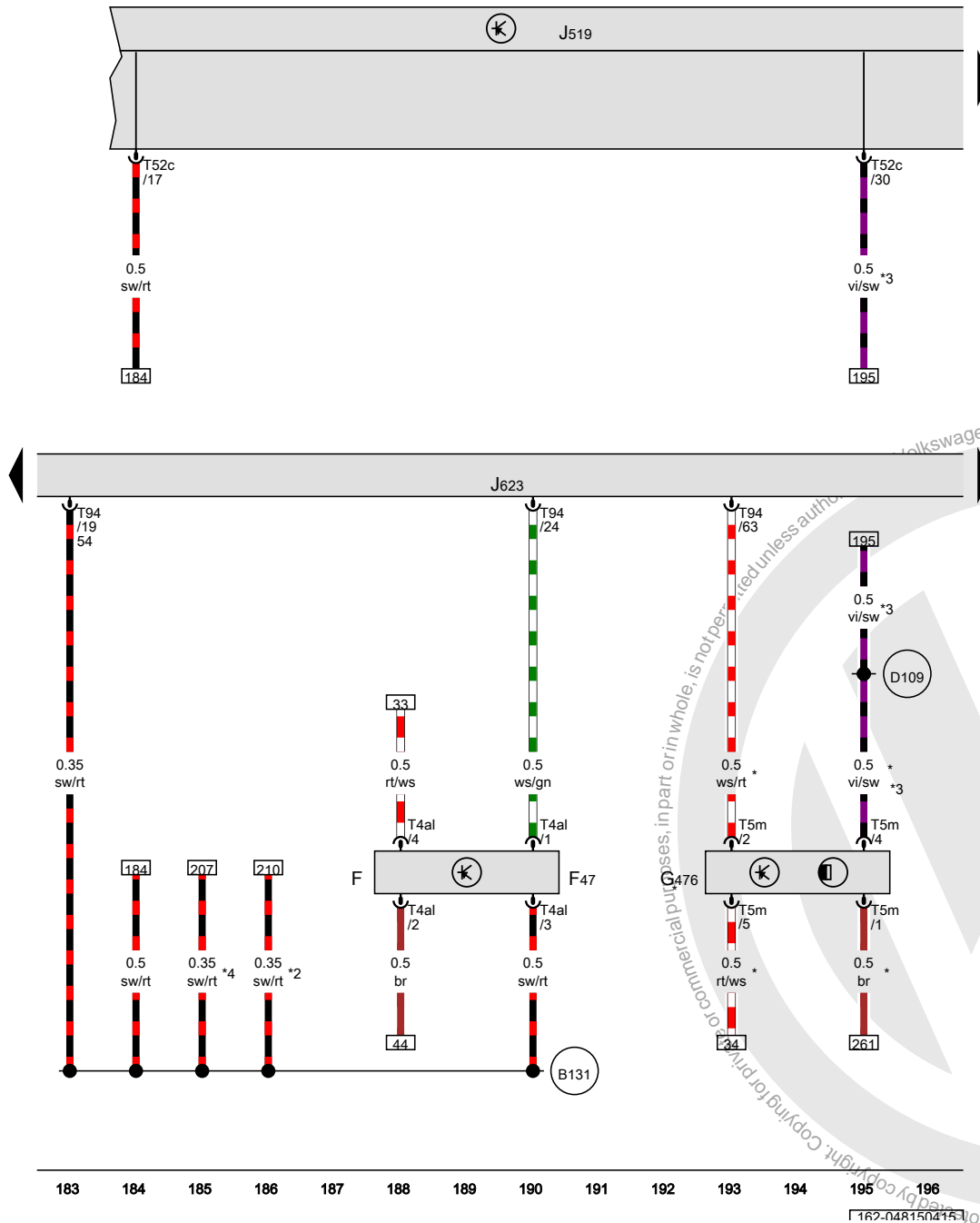
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

(B131) Connection (54), in interior wiring harness

(D109) Connection 7 in engine compartment wiring harness

- * Only models with manual gearbox
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Wiring colour depends on equipment
- *4 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

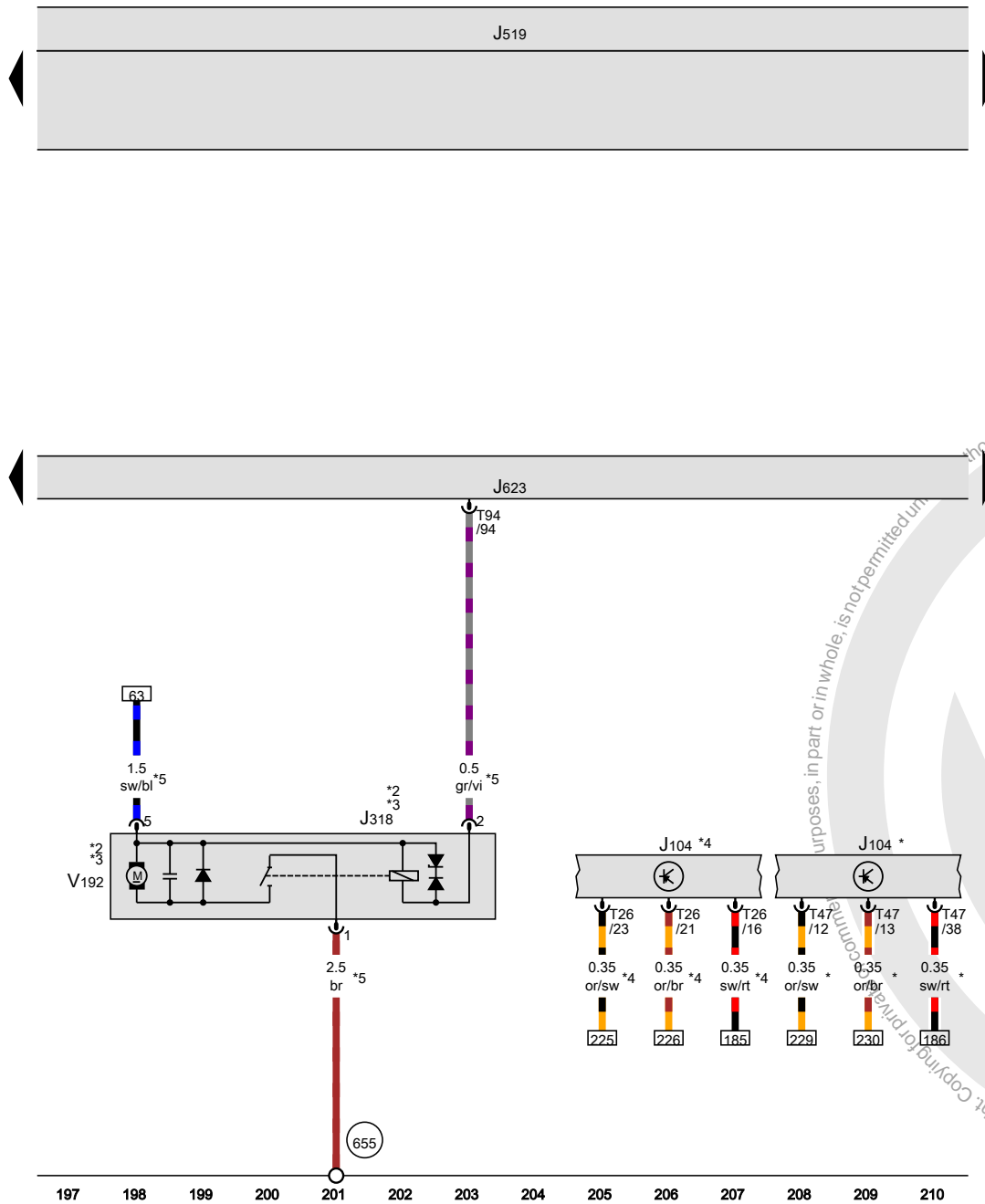
183 184 185 186 187 188 189 190 191 192 193 194 195 196

Vacuum pump relay, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- J104 ABS control unit
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes

655 Earth point, on left headlight

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with automatic gearbox
- *3 Only models with ABS
- *4 Only models with ABS and no ESP
- *5 According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- vi = purple
- ge = yellow
- or = orange
- rs = pink

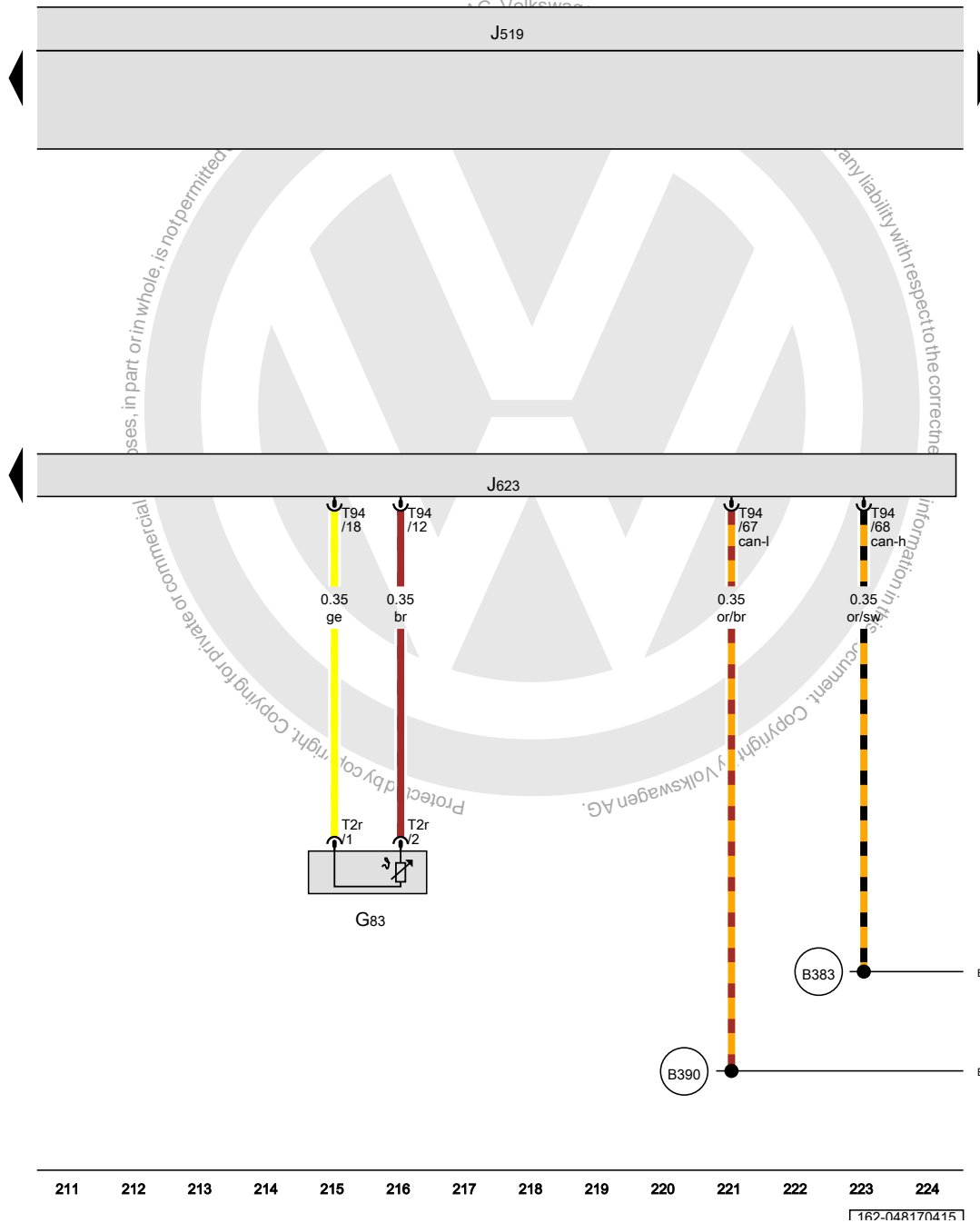
162-048160415

Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit

- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T2r 2-pin connector
- T94 94-pin connector

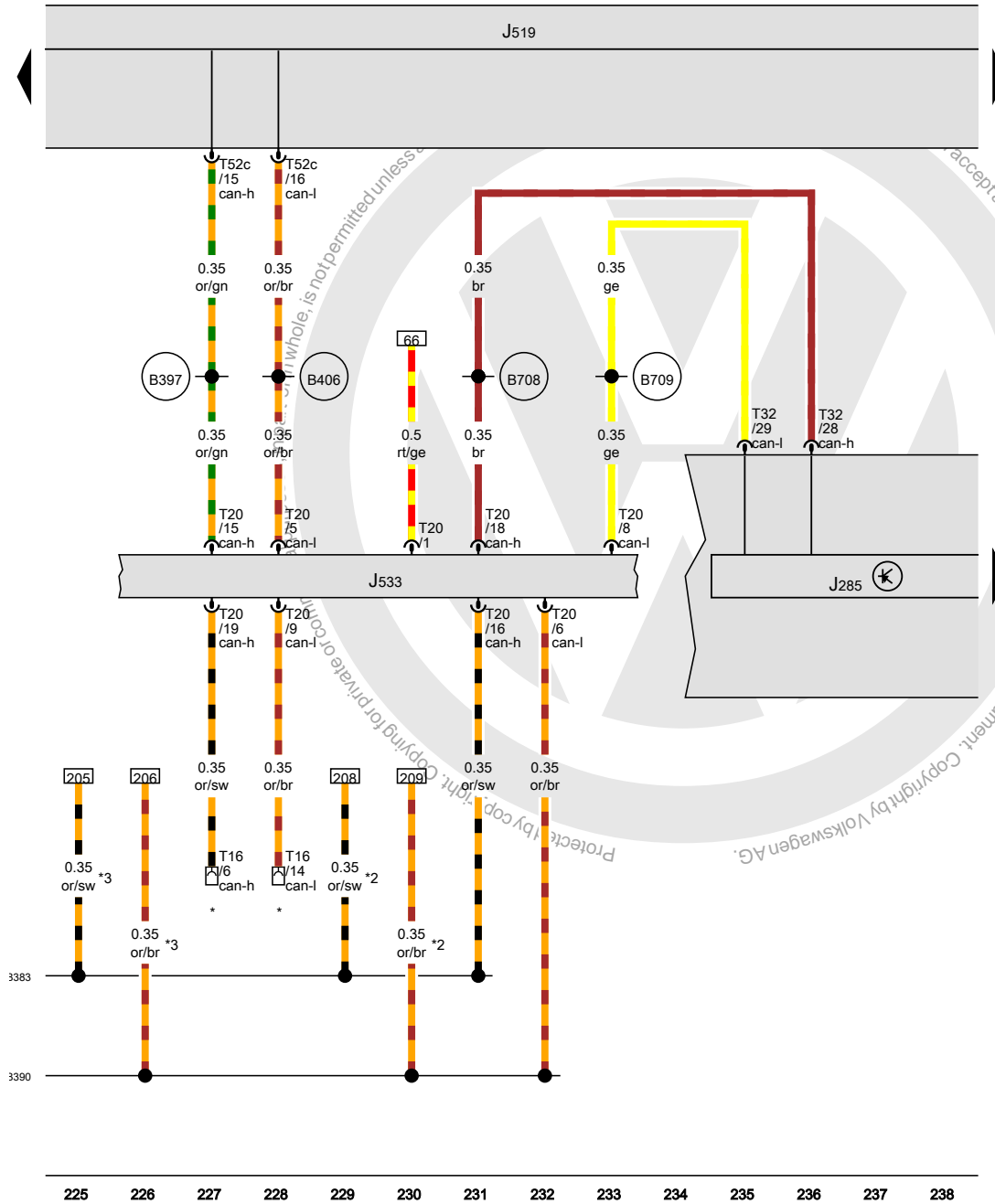
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness



211 212 213 214 215 216 217 218 219 220 221 222 223 224

162-04R170415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness

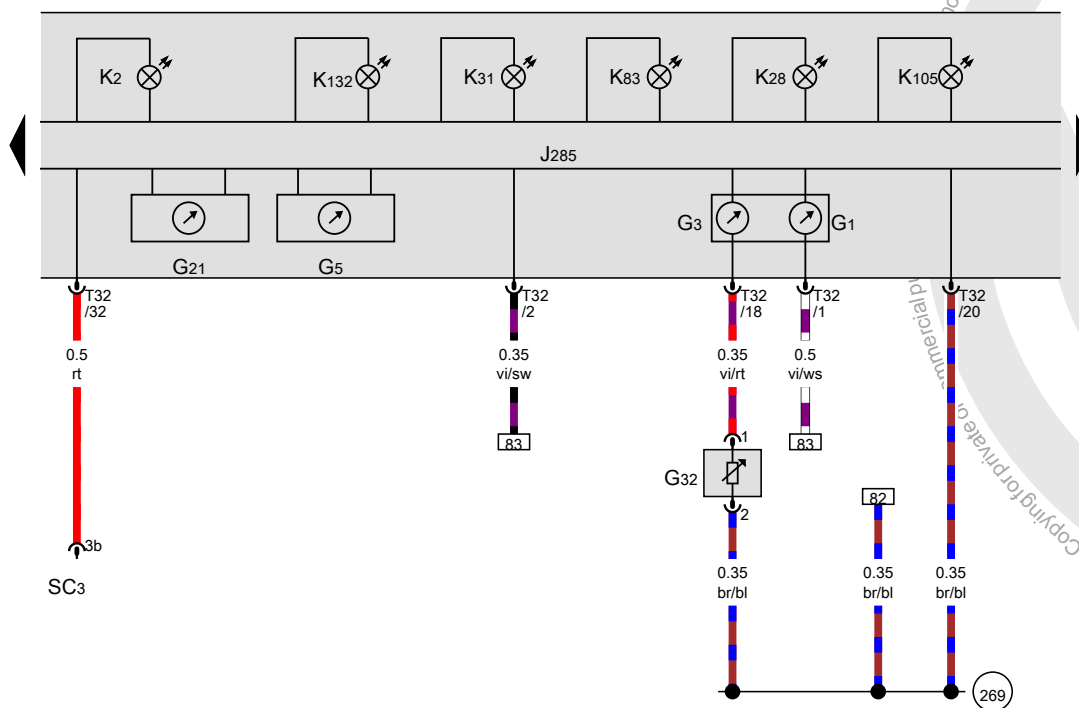
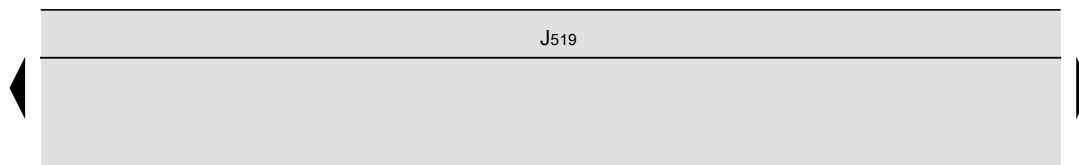
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-04R180415

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- SC3 Fuse 3 on fuse holder C
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness

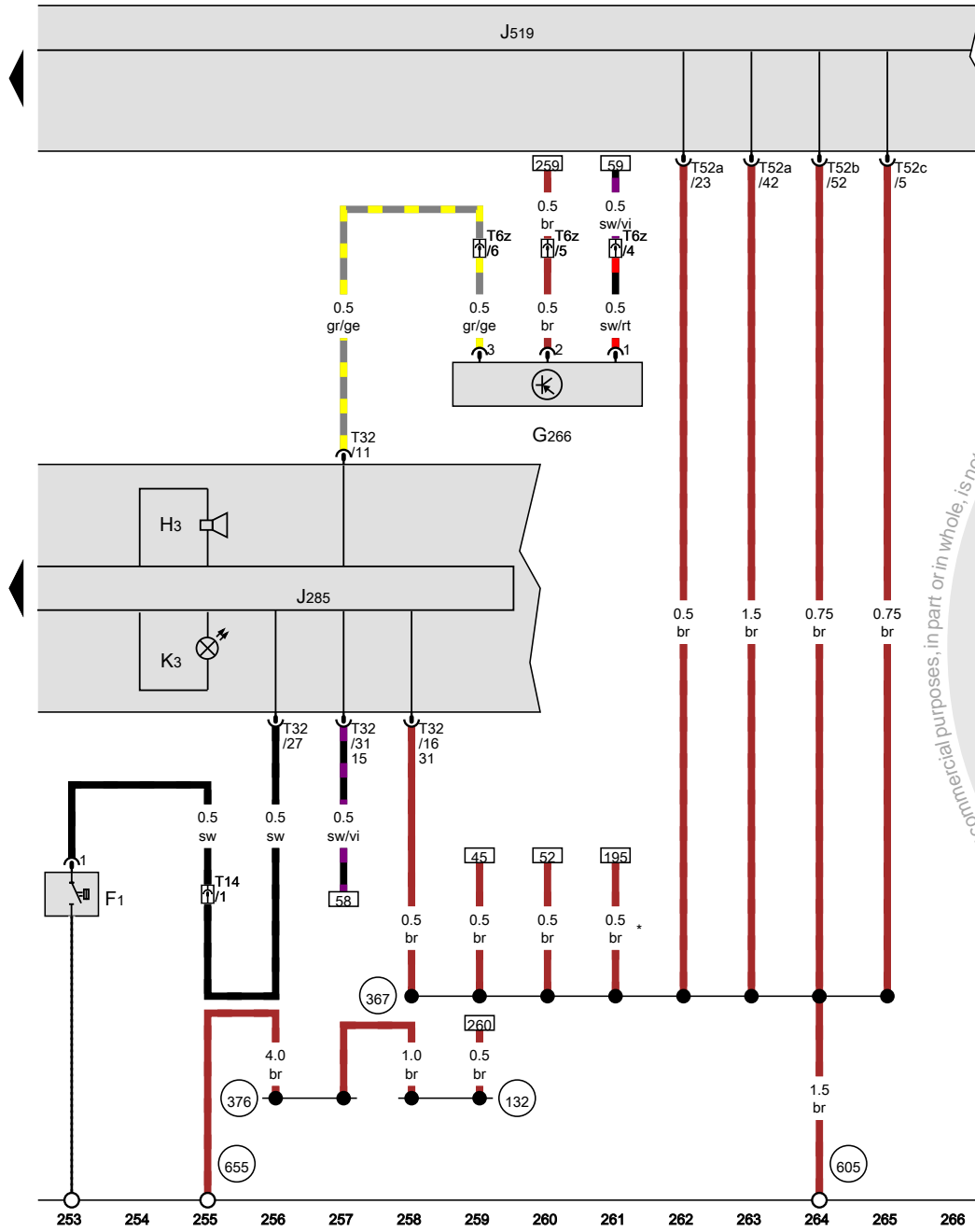


Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- * Only models with manual gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

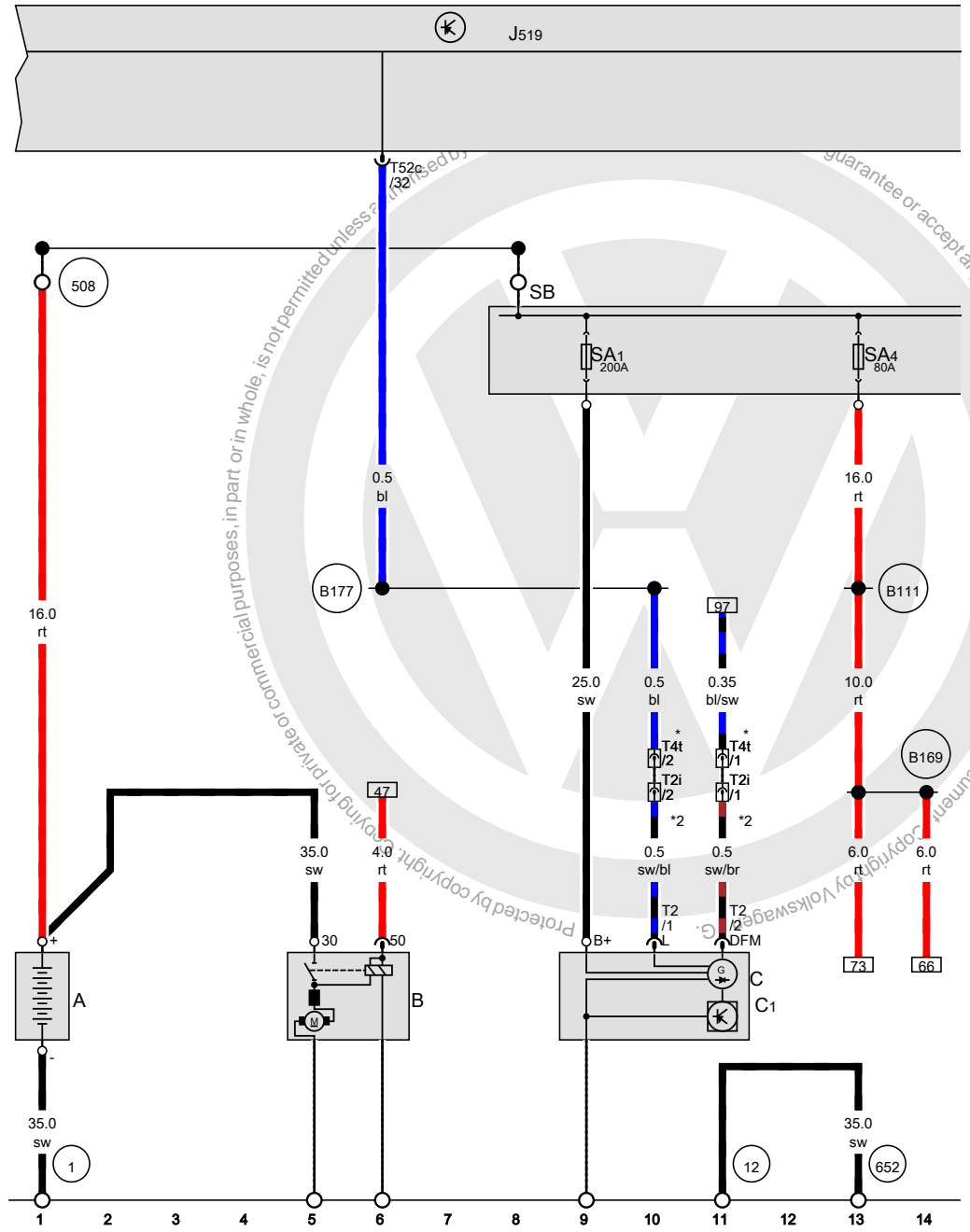


162-048200415

2.5l petrol engine , CCCA,(AW1)

From February 2011





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system

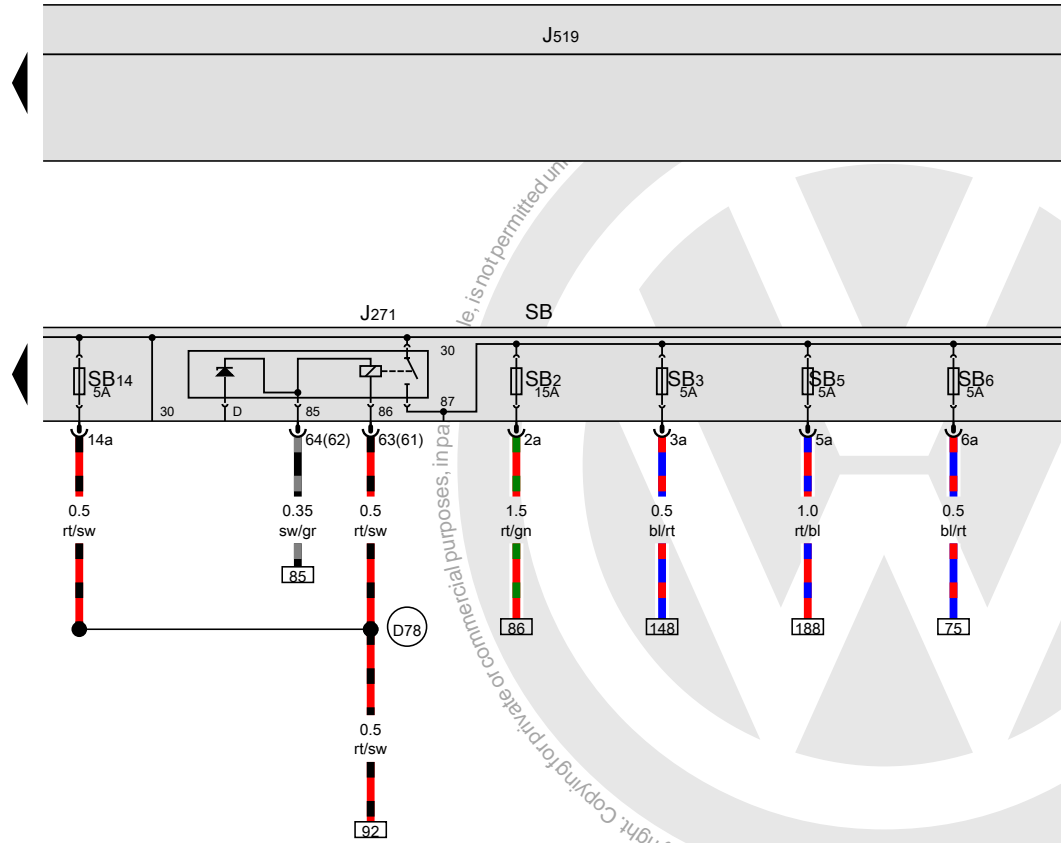
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-049020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB14 Fuse 14 on fuse holder B

(D78) Positive connection 1 (30a), in engine compartment wiring harness



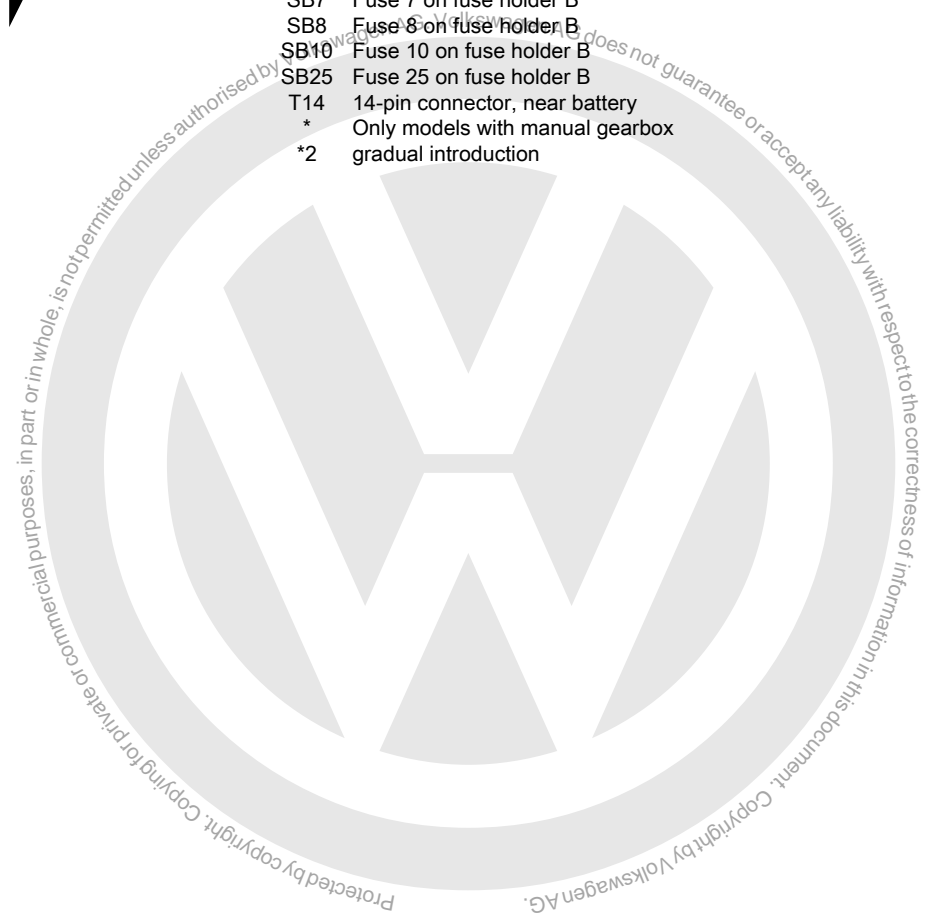
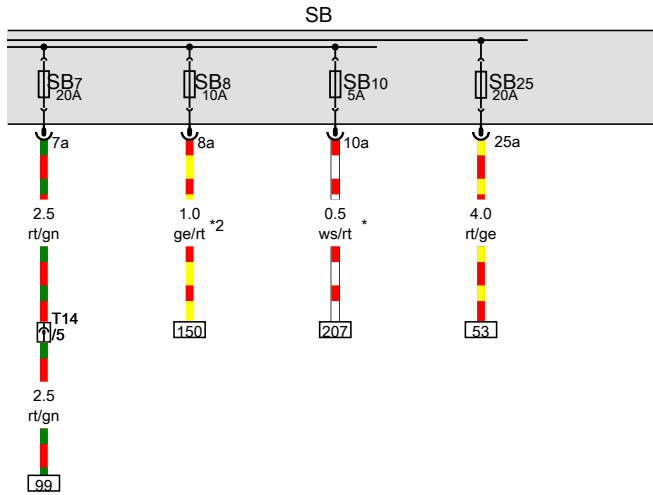
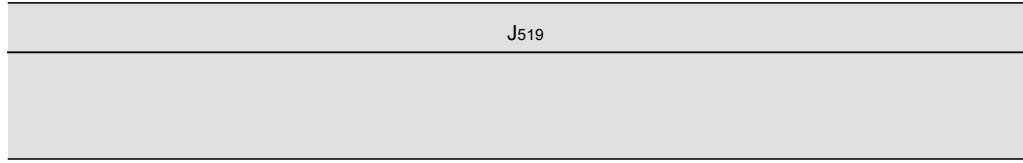
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- sw = black
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

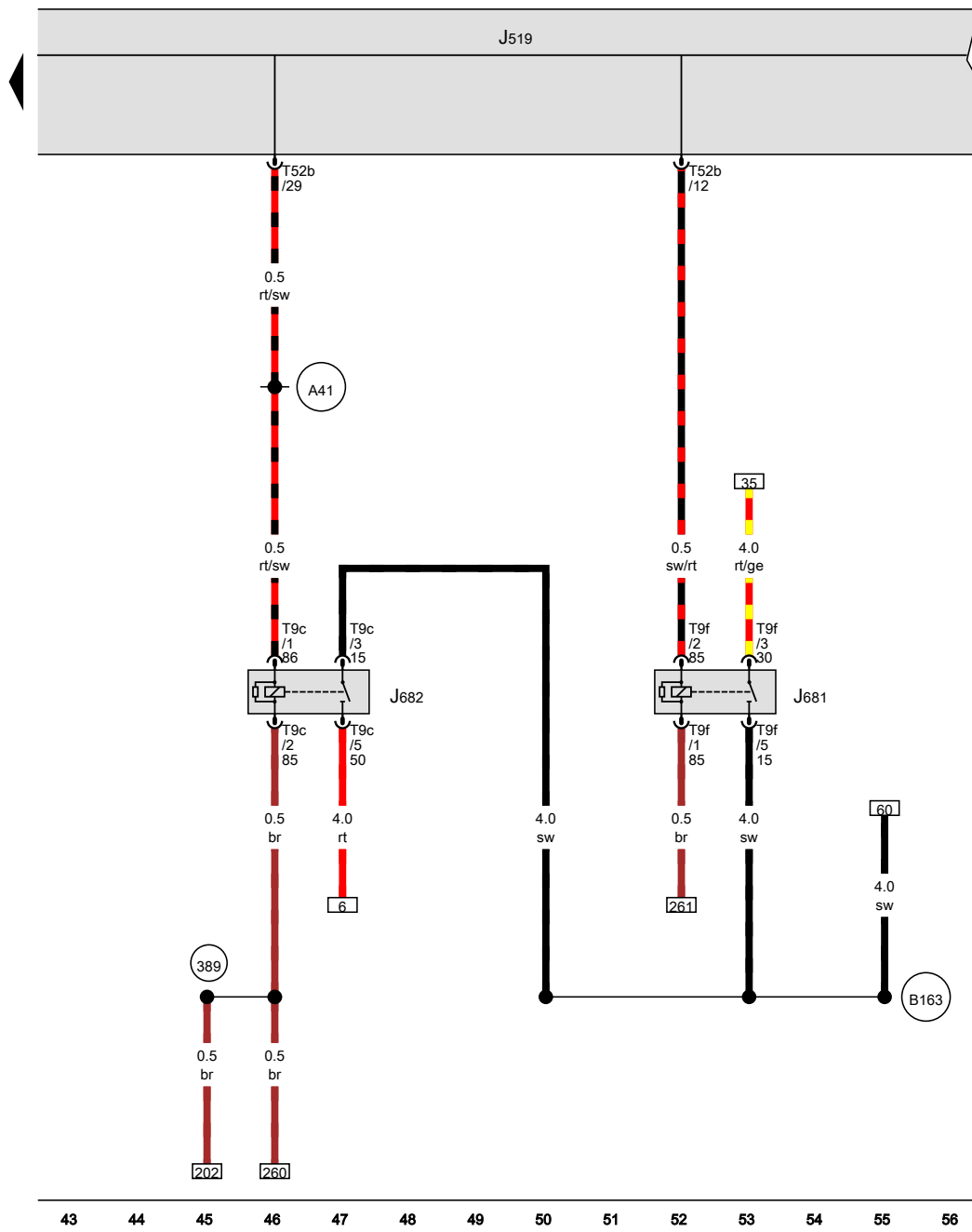
[162-049030415]

Onboard supply control unit, Fuse holder B

- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector, near battery
- * Only models with manual gearbox
- *2 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

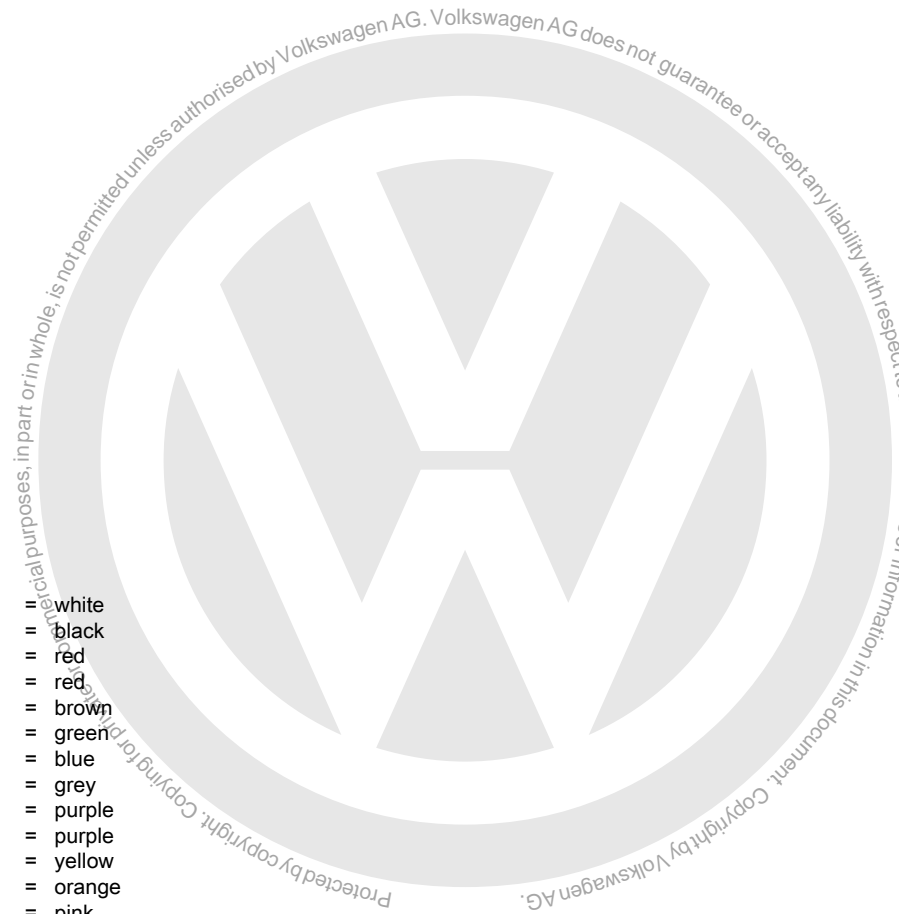


Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

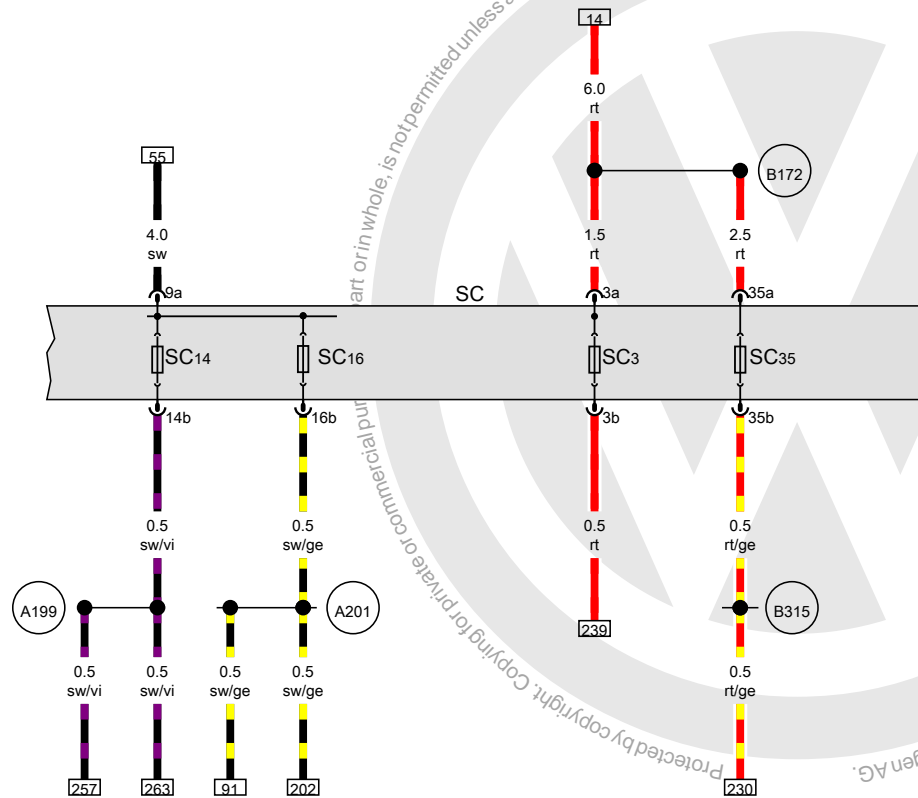
- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



43 44 45 46 47 48 49 50 51 52 53 54 55 56

162-0490504151



Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

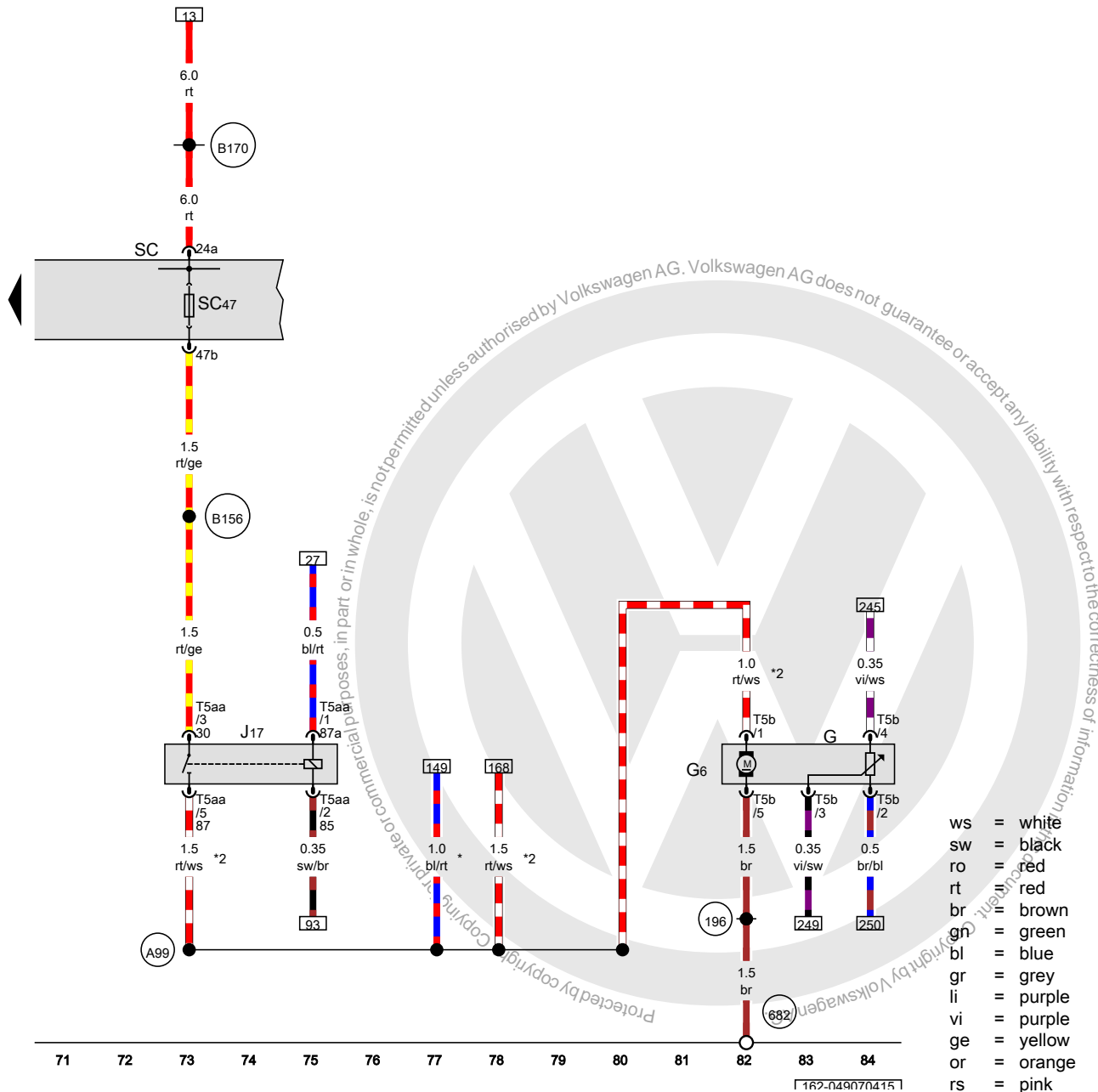
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

- * Gradually discontinued
- *2 Wiring colour depends on equipment



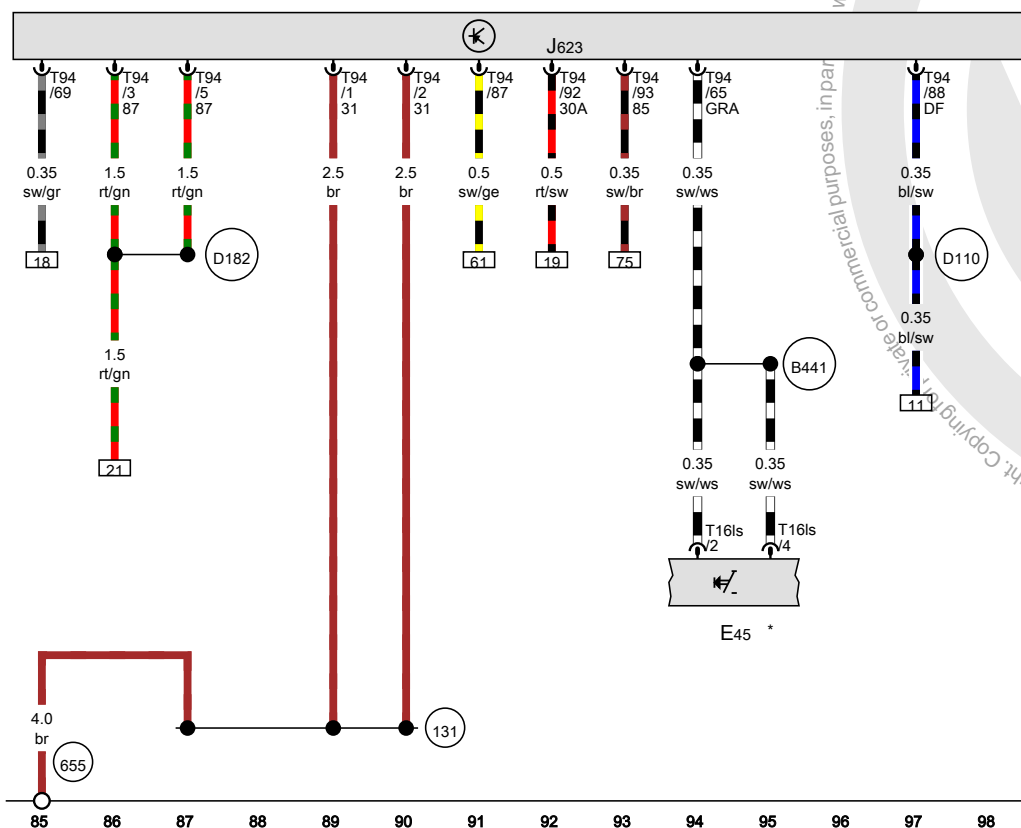
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

71 72 73 74 75 76 77 78 79 80 81 82 83 84

Engine control unit

- E45 Cruise control system switch
- J623 Engine control unit
- T16ls 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)



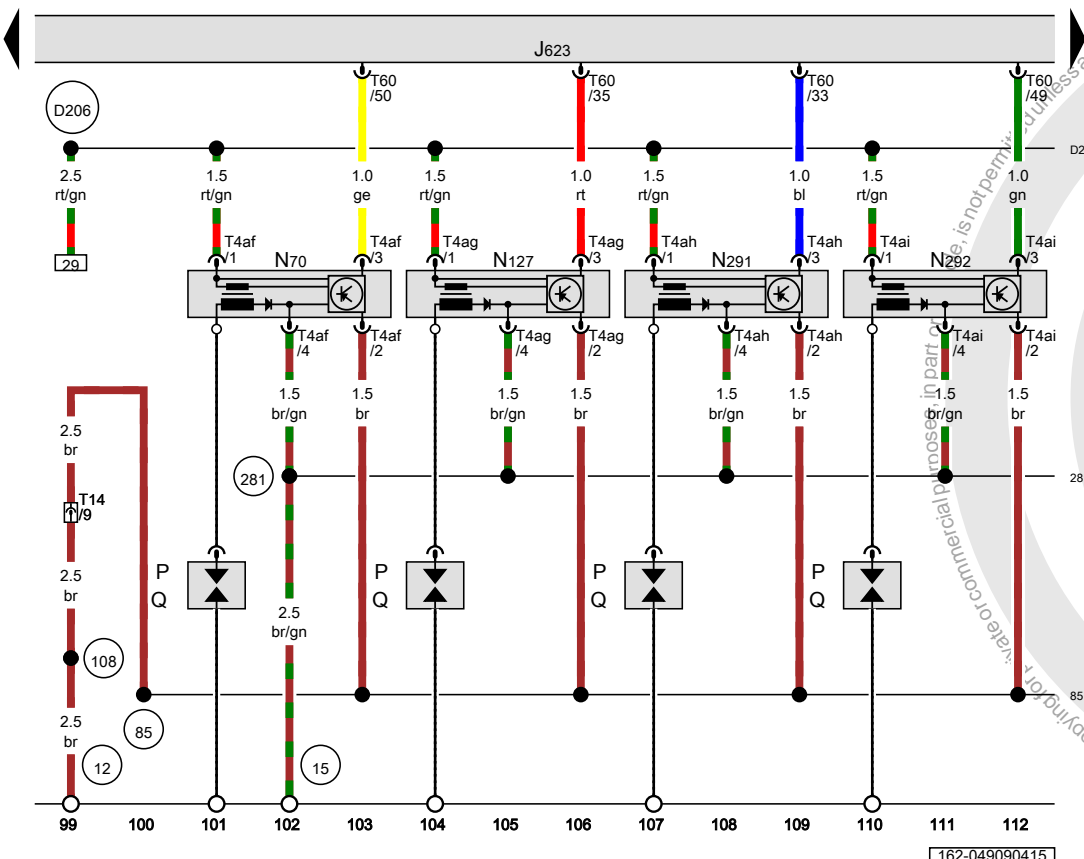
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-049080415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

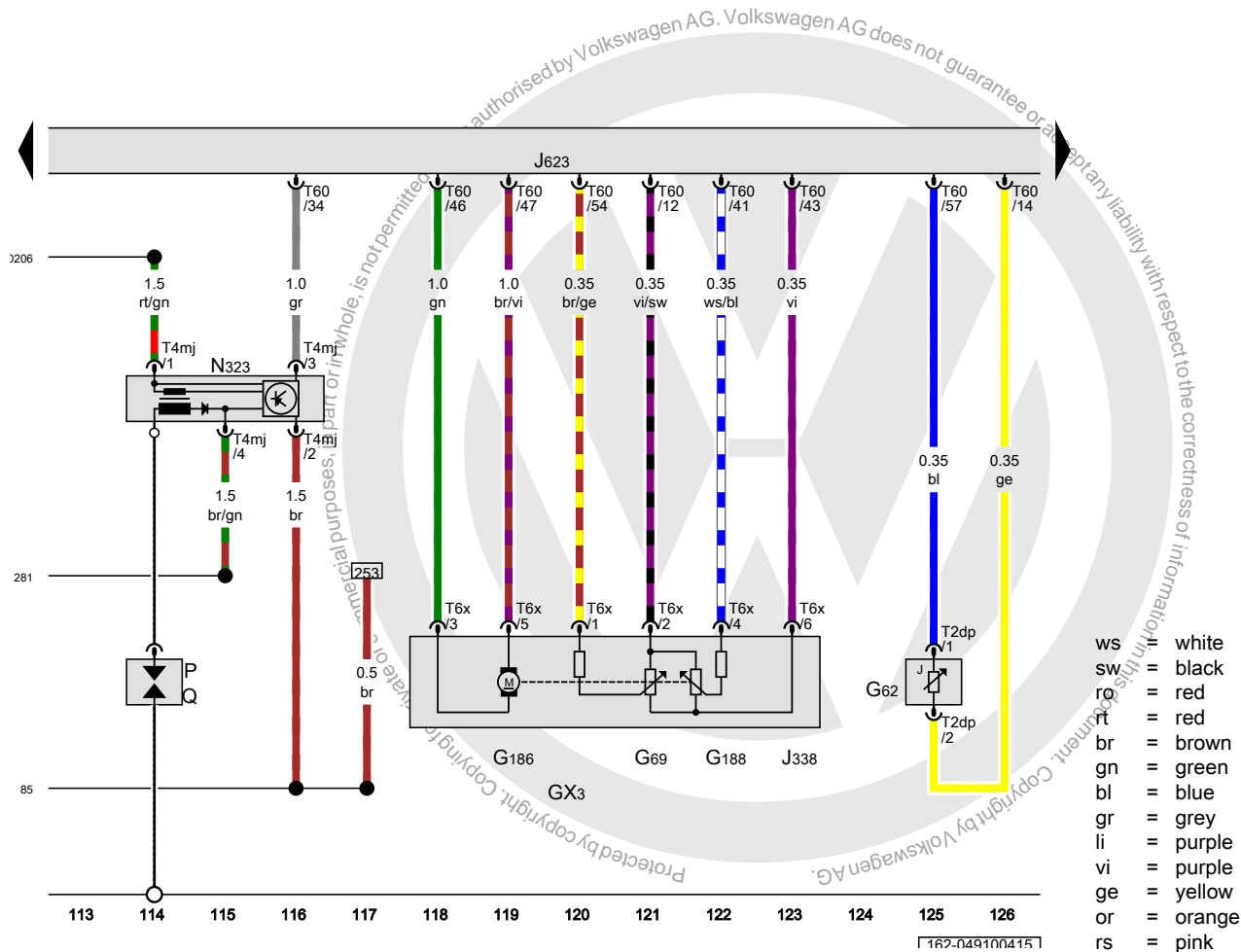


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- lj = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Throttle valve module, Coolant temperature sender, Throttle valve drive for electric throttle, Engine control unit, Ignition coil 5 with output stage, Spark plug connector

- GX3 Throttle valve module
- G62 Coolant temperature sender
- G69 Throttle valve potentiometer
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N323 Ignition coil 5 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dp 2-pin connector
- T4mj 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

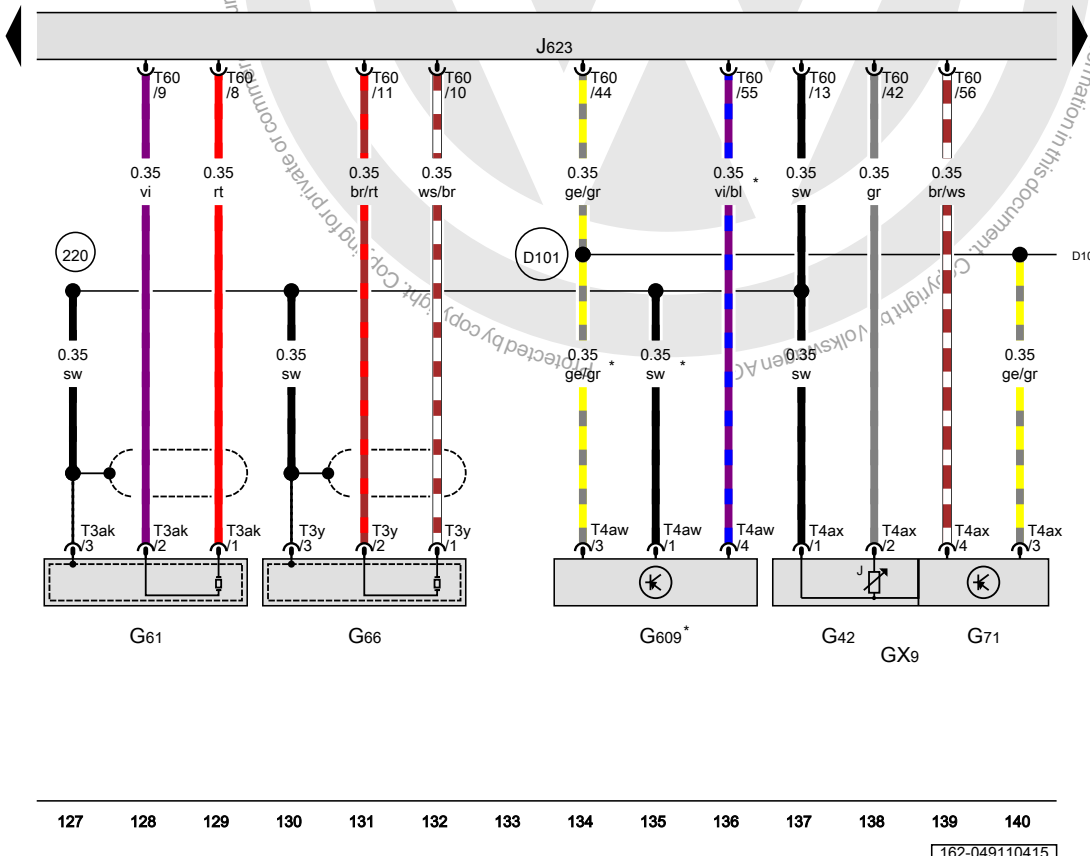
162-049100415

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Intake manifold sender, Intake air temperature sender, Knock sensor 1, Knock sensor 2, Sender 1 for secondary air pressure, Engine control unit

- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G66 Knock sensor 2
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- T3ak 3-pin connector
- T3y 3-pin connector
- T4aw 4-pin connector
- T4ax 4-pin connector
- T60 60-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

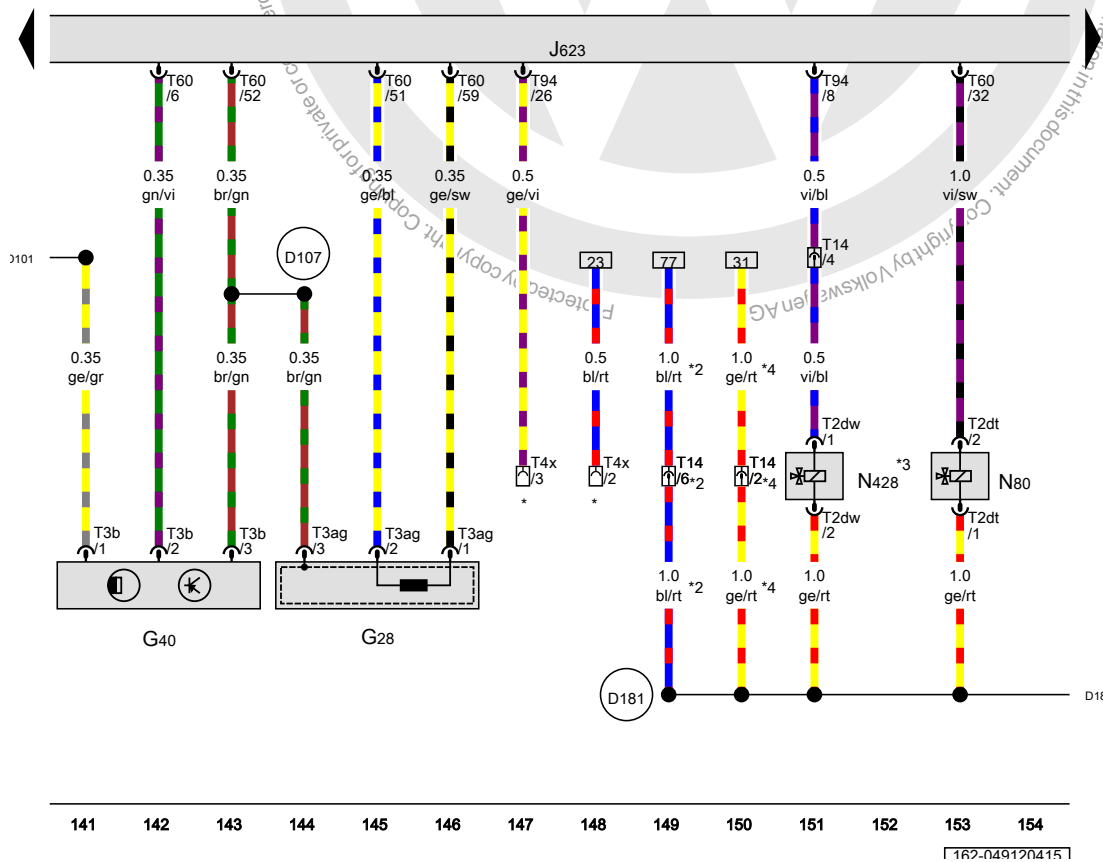
162-049110415

Engine speed sender, Hall sender, Engine control unit, Activated charcoal filter solenoid valve 1, Valve for oil pressure control

- G28 Engine speed sender
- G40 Hall sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2dw 2-pin connector
- T3ag 3-pin connector
- T3b 3-pin connector
- T4x 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

- D101** Connection 1 in engine compartment wiring harness
- D107** Connection 5 in engine compartment wiring harness
- D181** Connection 2 (87a) in engine compartment wiring harness

- * Radiator fan connection
- *2 Gradually discontinued
- *3 According to equipment
- *4 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

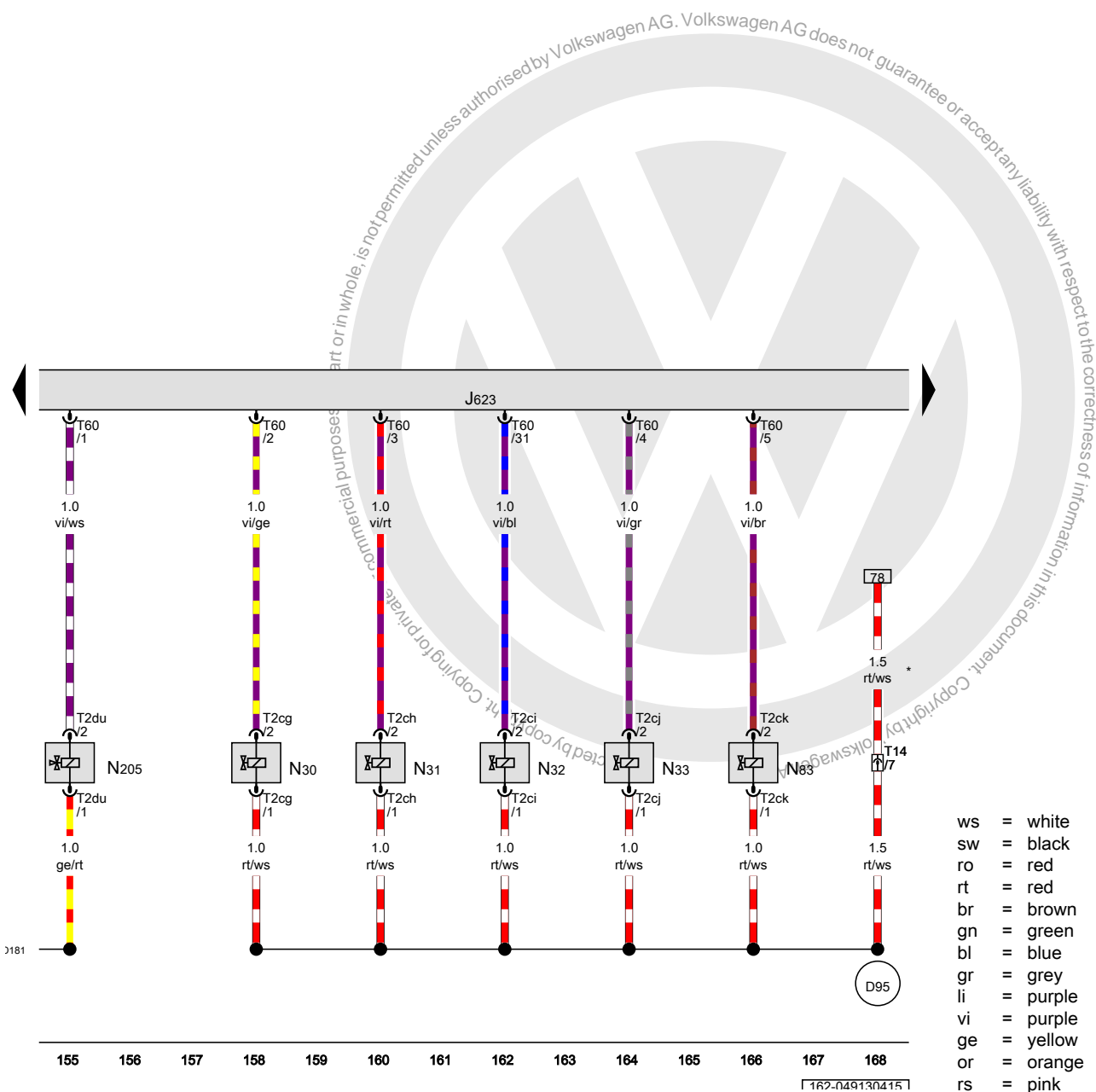
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Camshaft control valve 1

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- N205 Camshaft control valve 1
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ck 2-pin connector
- T2du 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

D95 Connection (injectors), in engine compartment wiring harness

D181 Connection 2 (87a) in engine compartment wiring harness

* Wiring colour depends on equipment

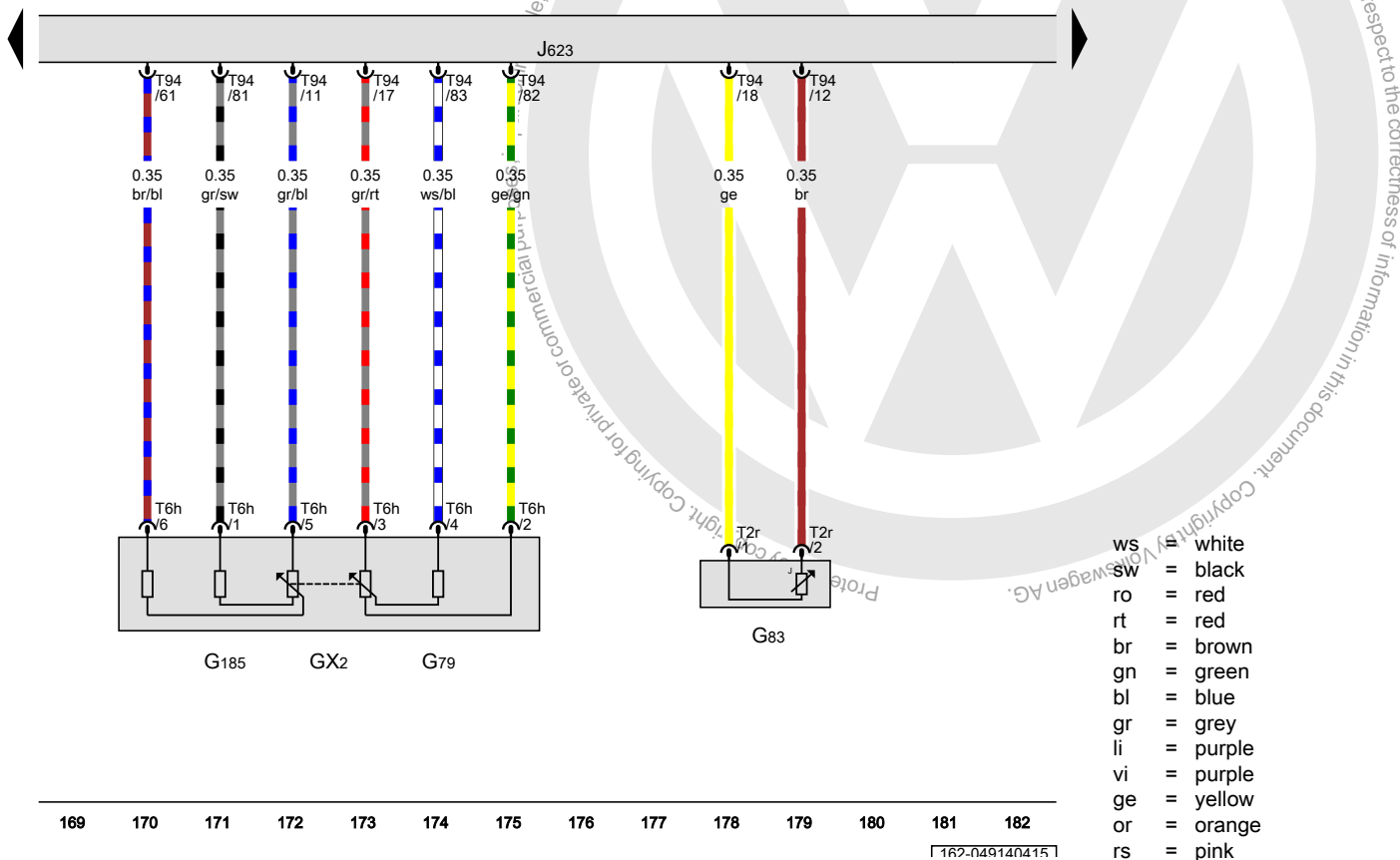


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-049130415

Accelerator pedal module, Radiator outlet coolant temperature sender, Accelerator position sender 2, Engine control unit

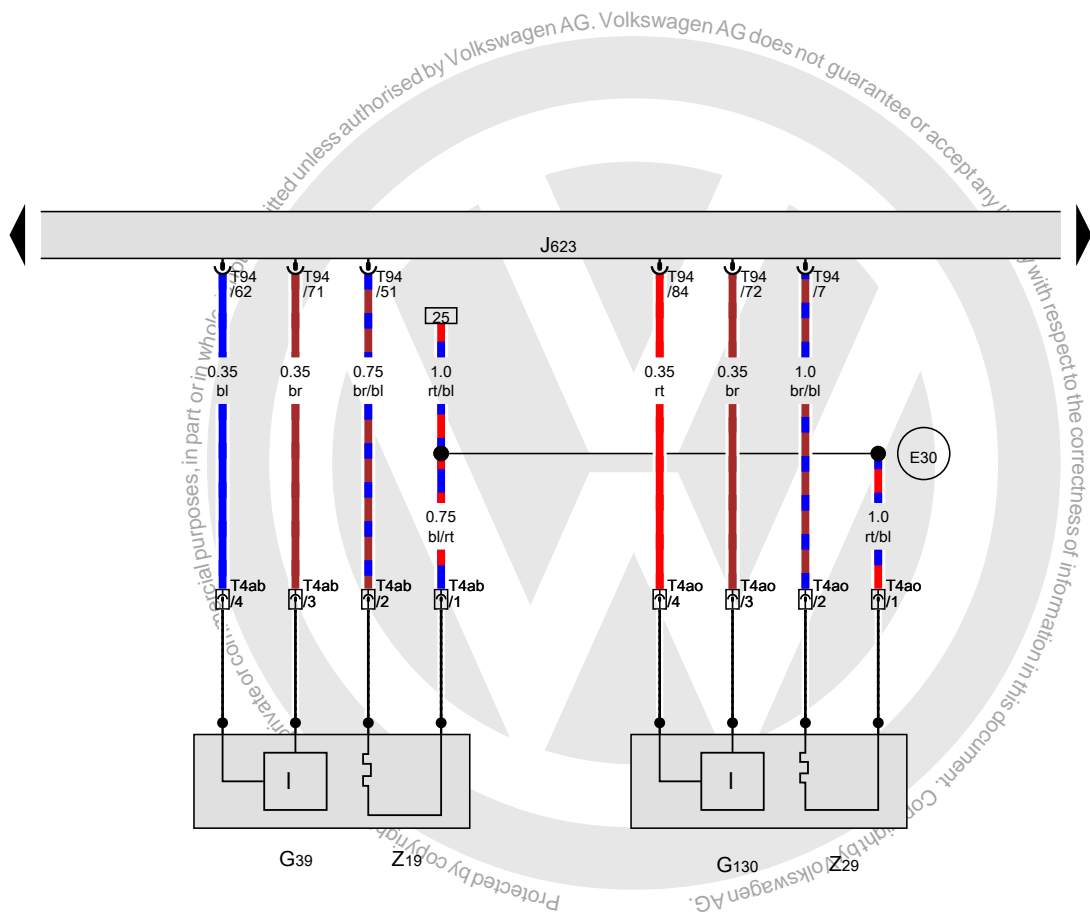
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T2r 2-pin connector
- T6h 6-pin connector
- T94 94-pin connector



Lambda probe, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ab 4-pin connector
- T4ao 4-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness



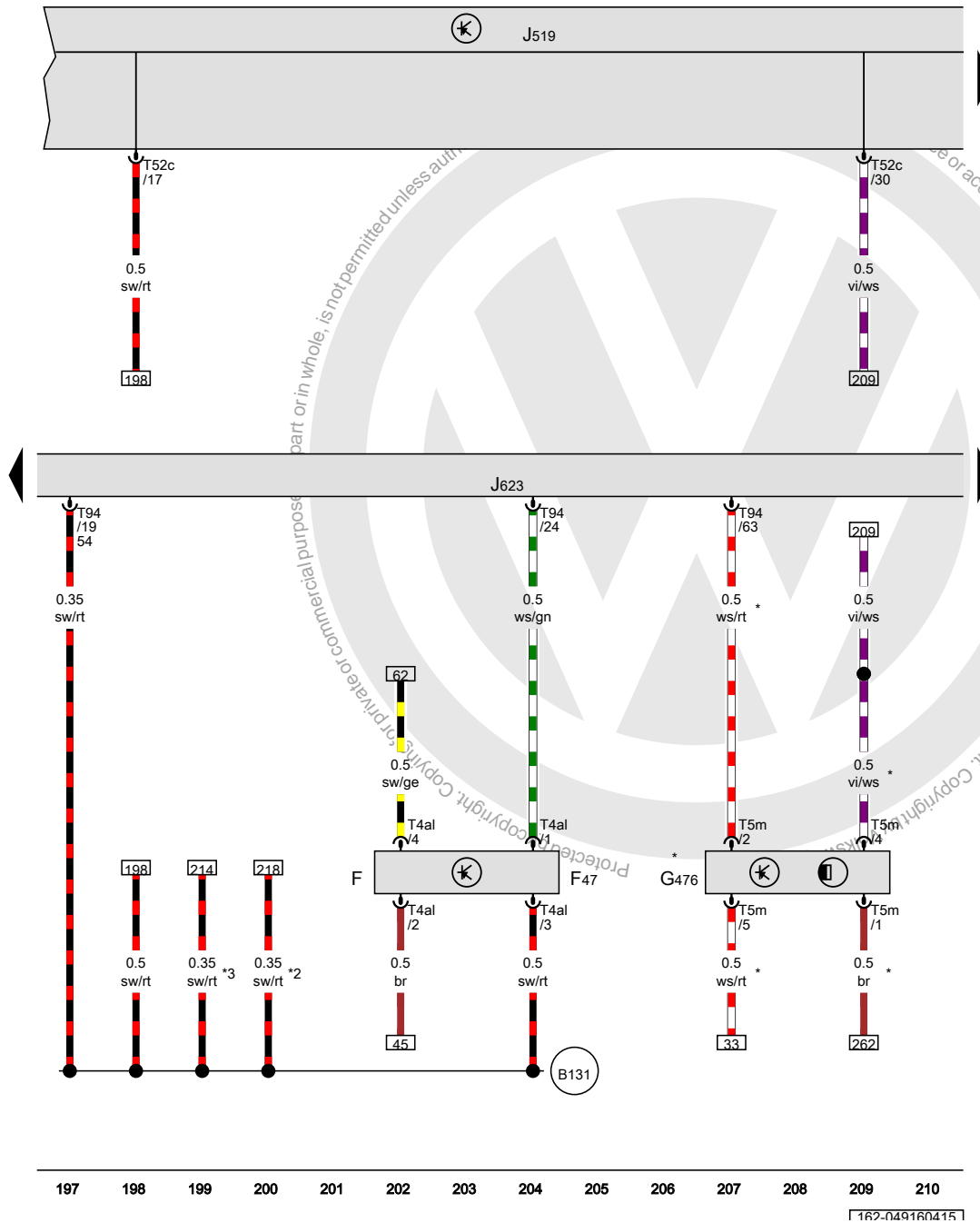
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

- * Only models with manual gearbox
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

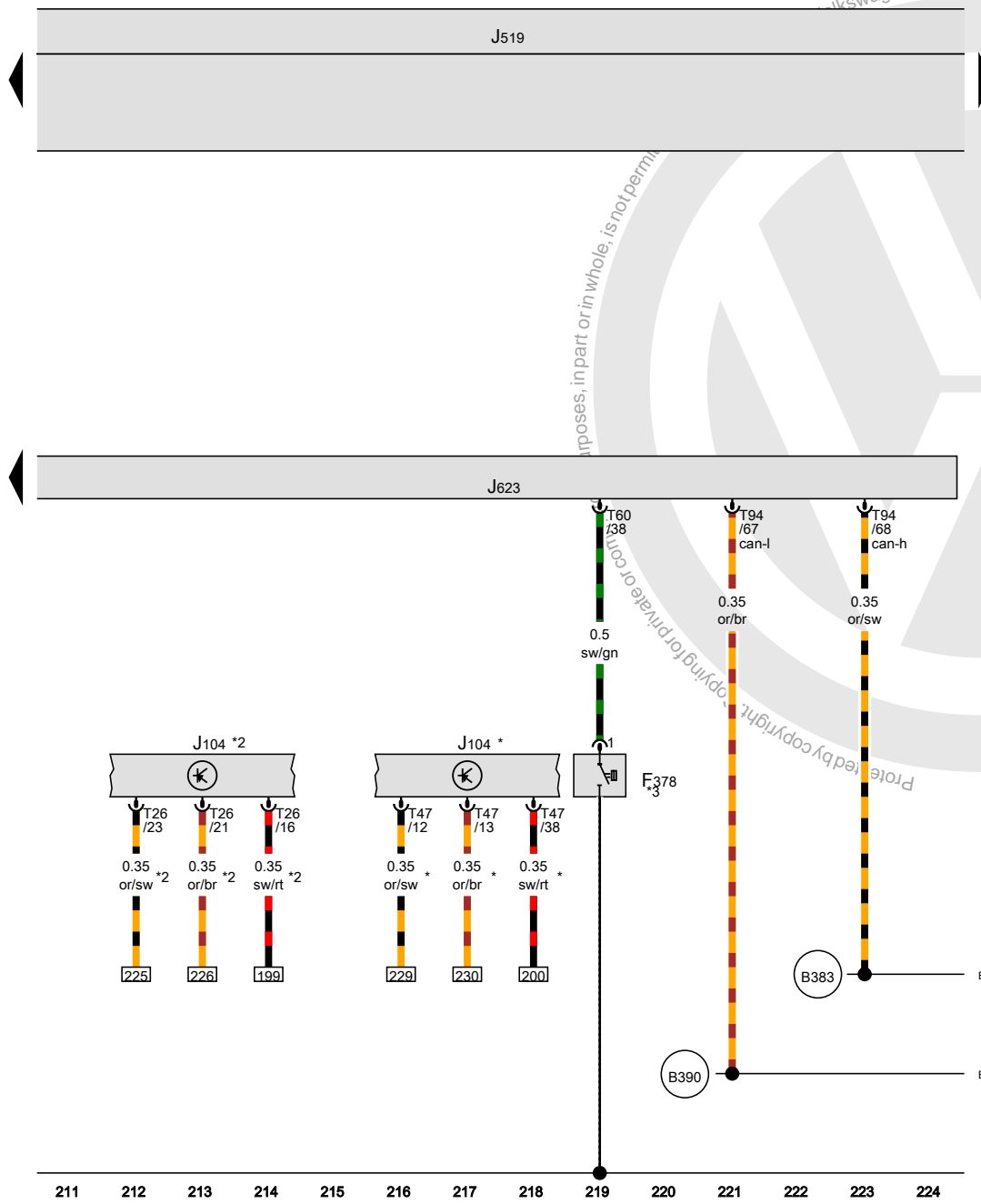
Oil pressure switch for reduced oil pressure, Onboard supply control unit, Engine control unit

- F378 Oil pressure switch for reduced oil pressure
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T60 60-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

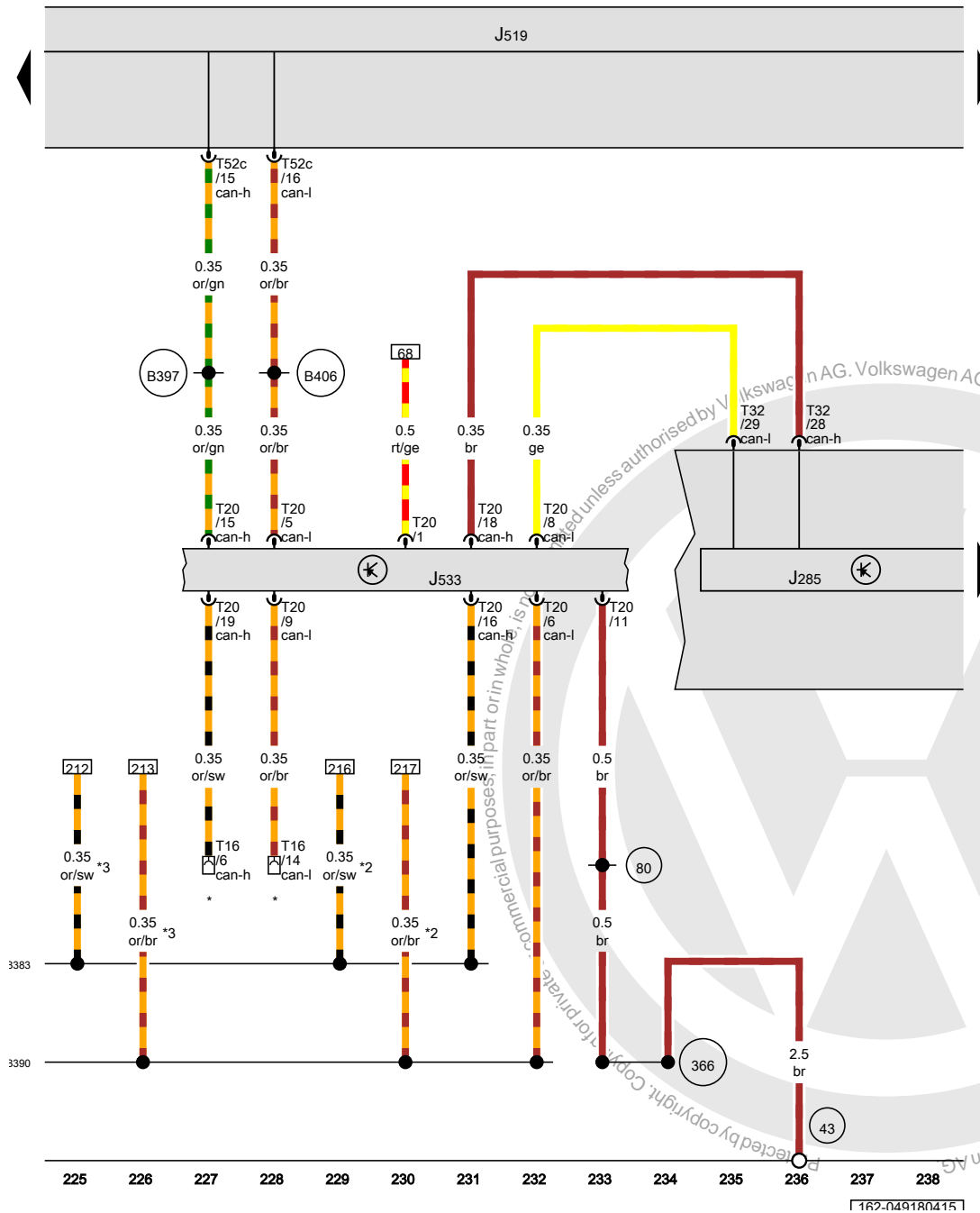
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with ABS and no ESP
- *3 According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

[162-049170415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

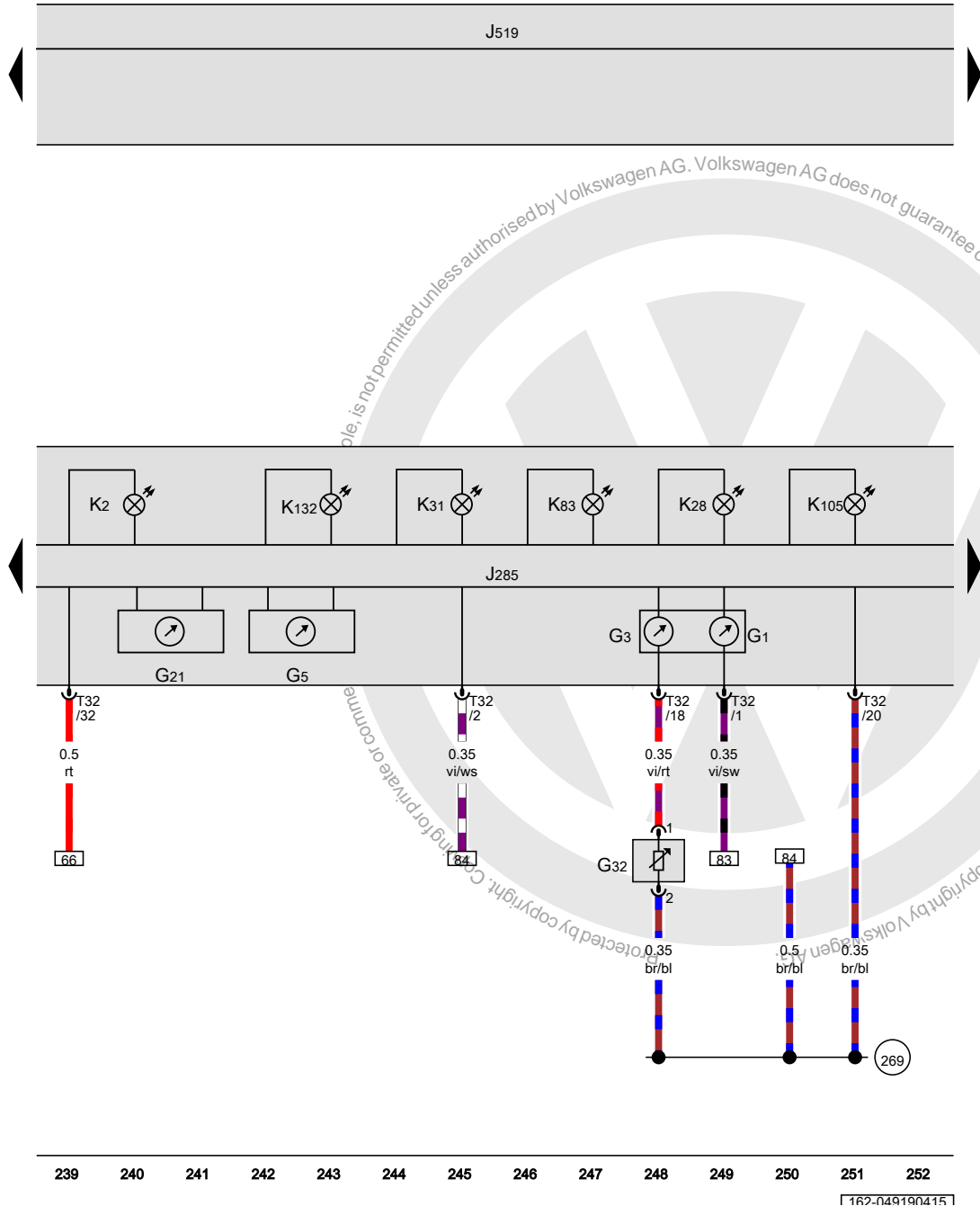
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-049180415

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

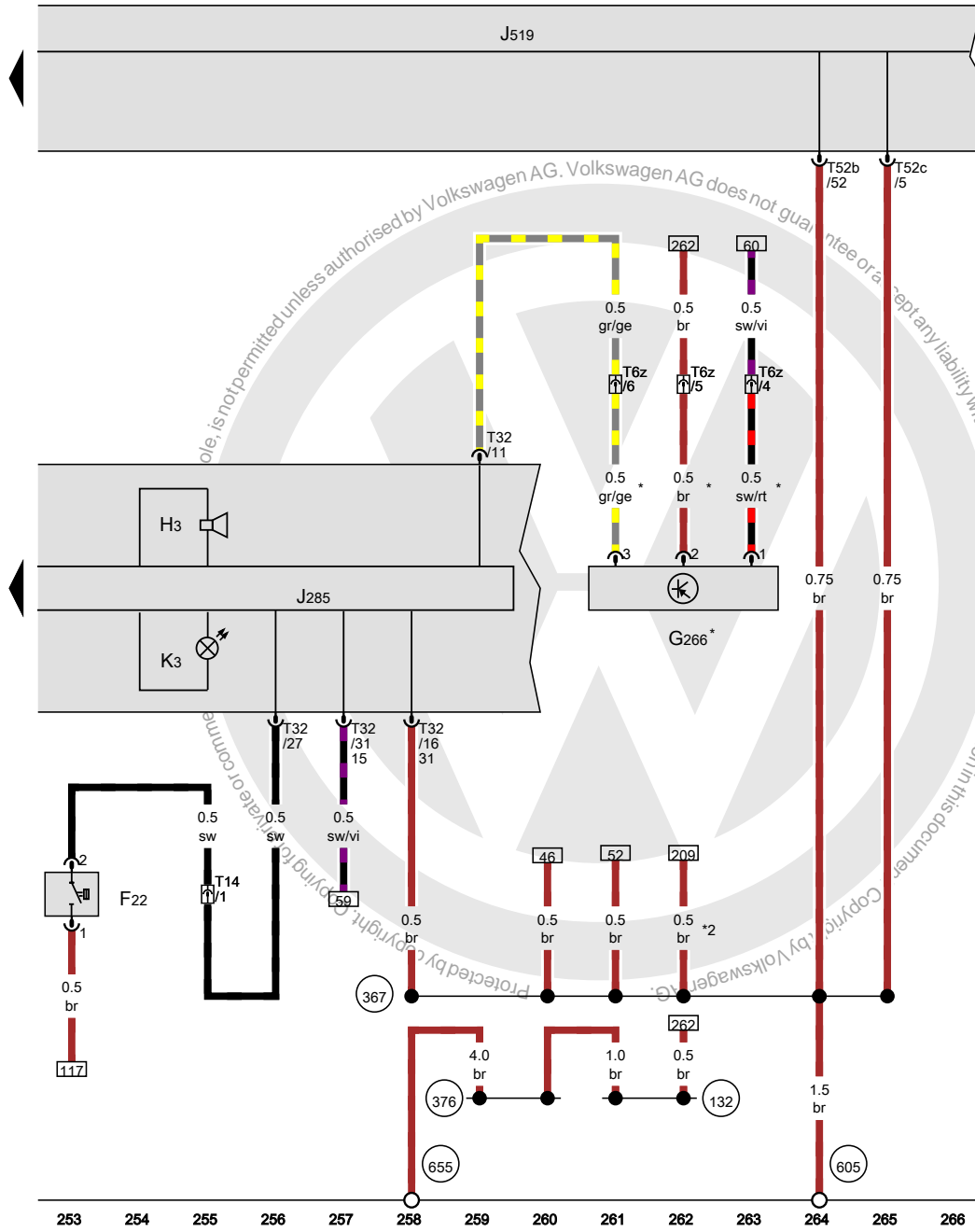
Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F22 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector, near battery
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight

- * Only models with flexible service interval display
- *2 Only models with manual gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

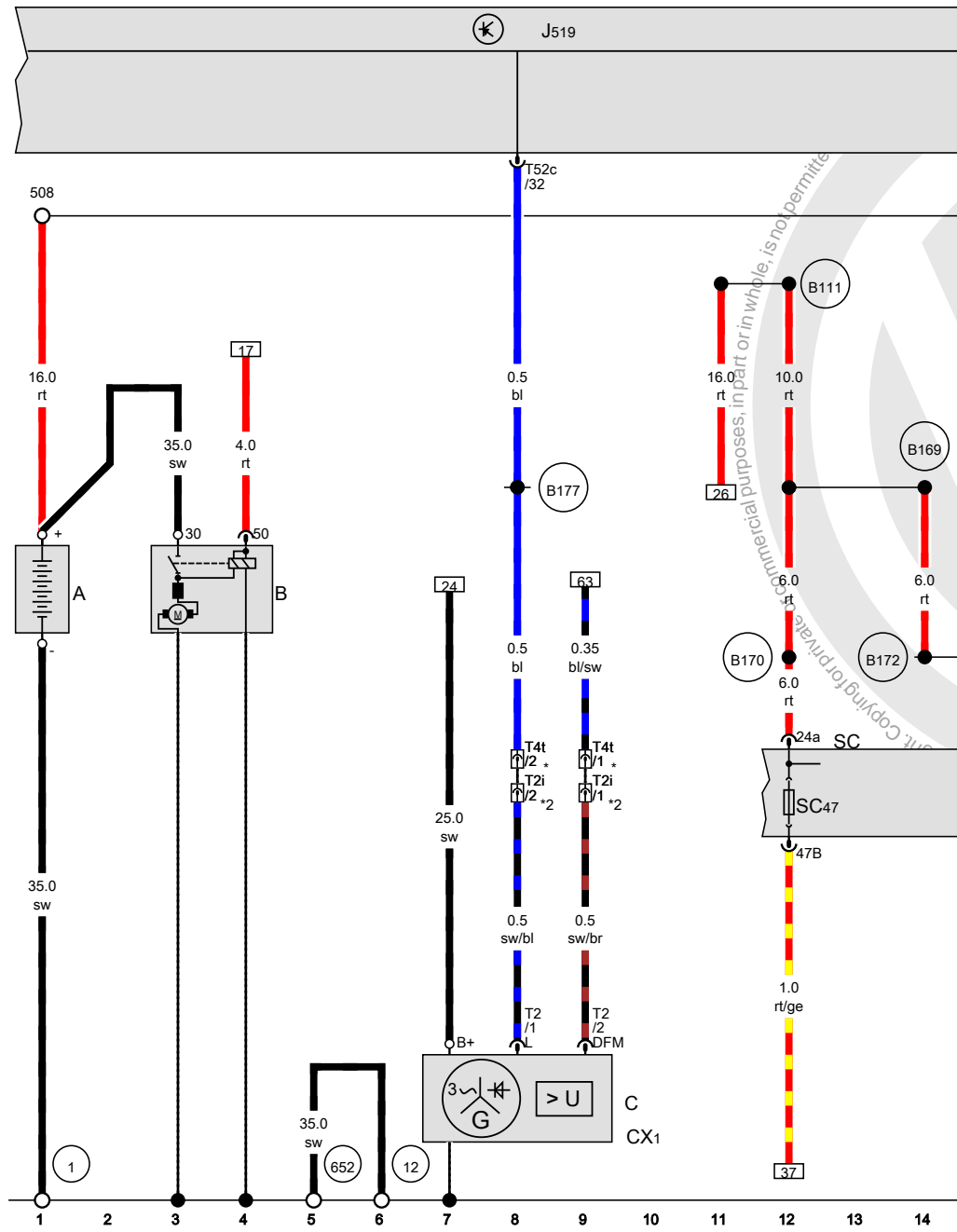


162-049200415

2.0l petrol engine , CCTA,(AW1)

From March 2011





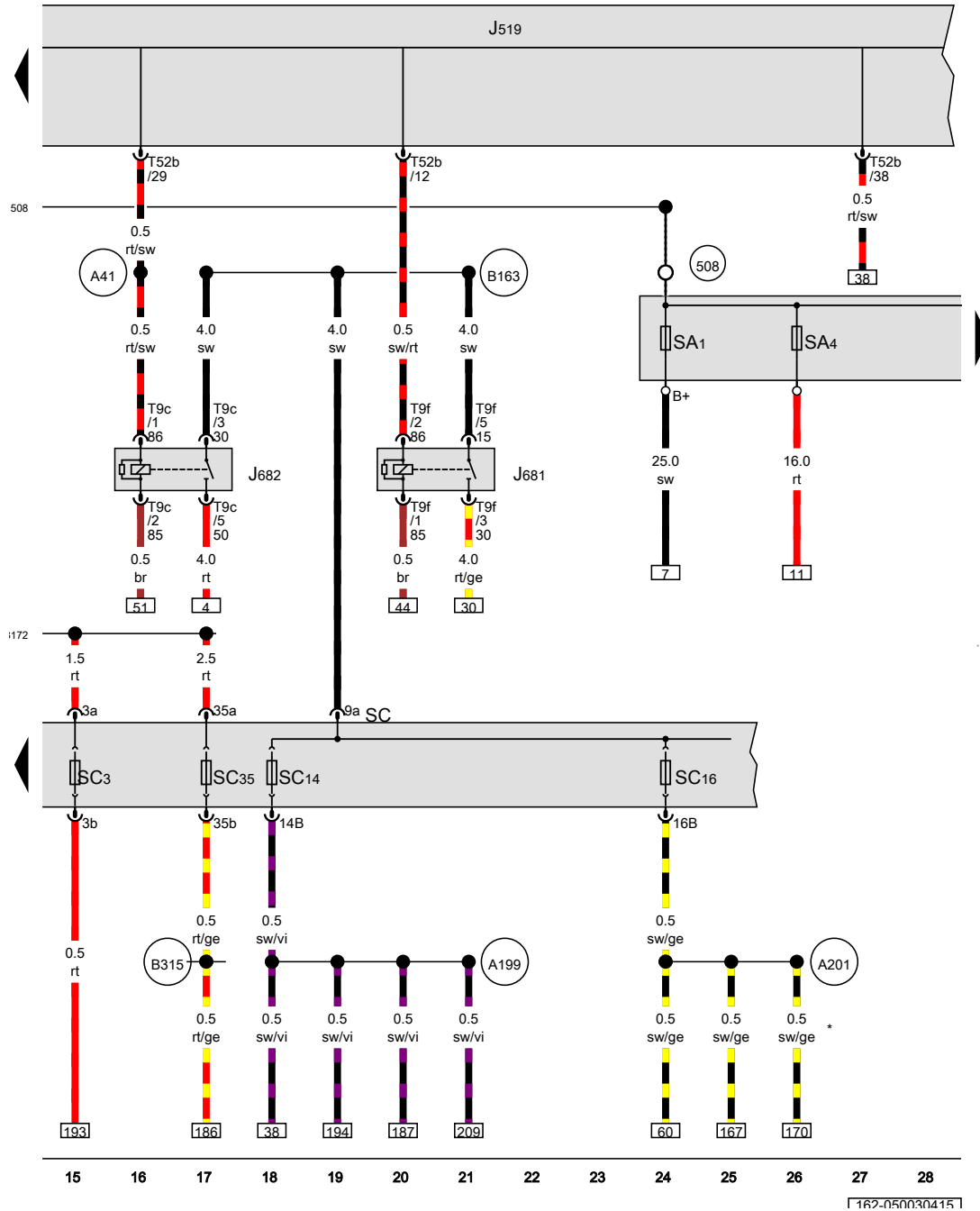
Battery, Starter, Alternator, Onboard supply control unit, Fuse holder C

- A Battery
- B Starter
- C Alternator
- CX1 Alternator with voltage regulator
- J519 Onboard supply control unit
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050020415



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SA1 Fuse 1 in fuse holder A
- SC3 Fuse 3 on fuse holder C
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

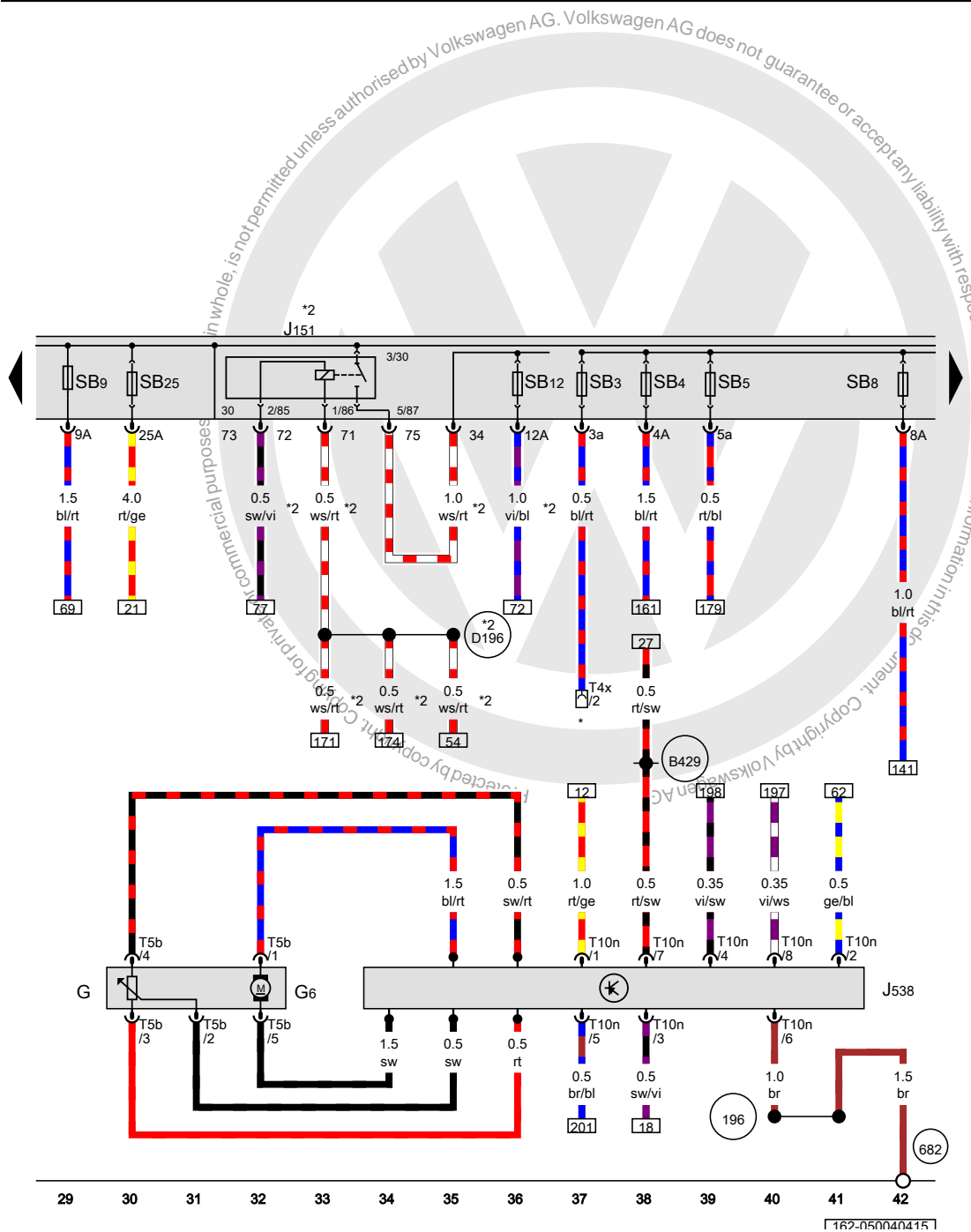
- 508 Threaded connection (30) on E-box
- A41 Positive connection (50), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050030415

Fuel gauge sender, Fuel system pressurisation pump, Continued coolant circulation relay, Fuse 25 on fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J151 Continued coolant circulation relay
- J538 Fuel pump control unit
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T4x 4-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B429 Connection (EFPR), in main wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * Radiator fan connection gradual introduction
- *2

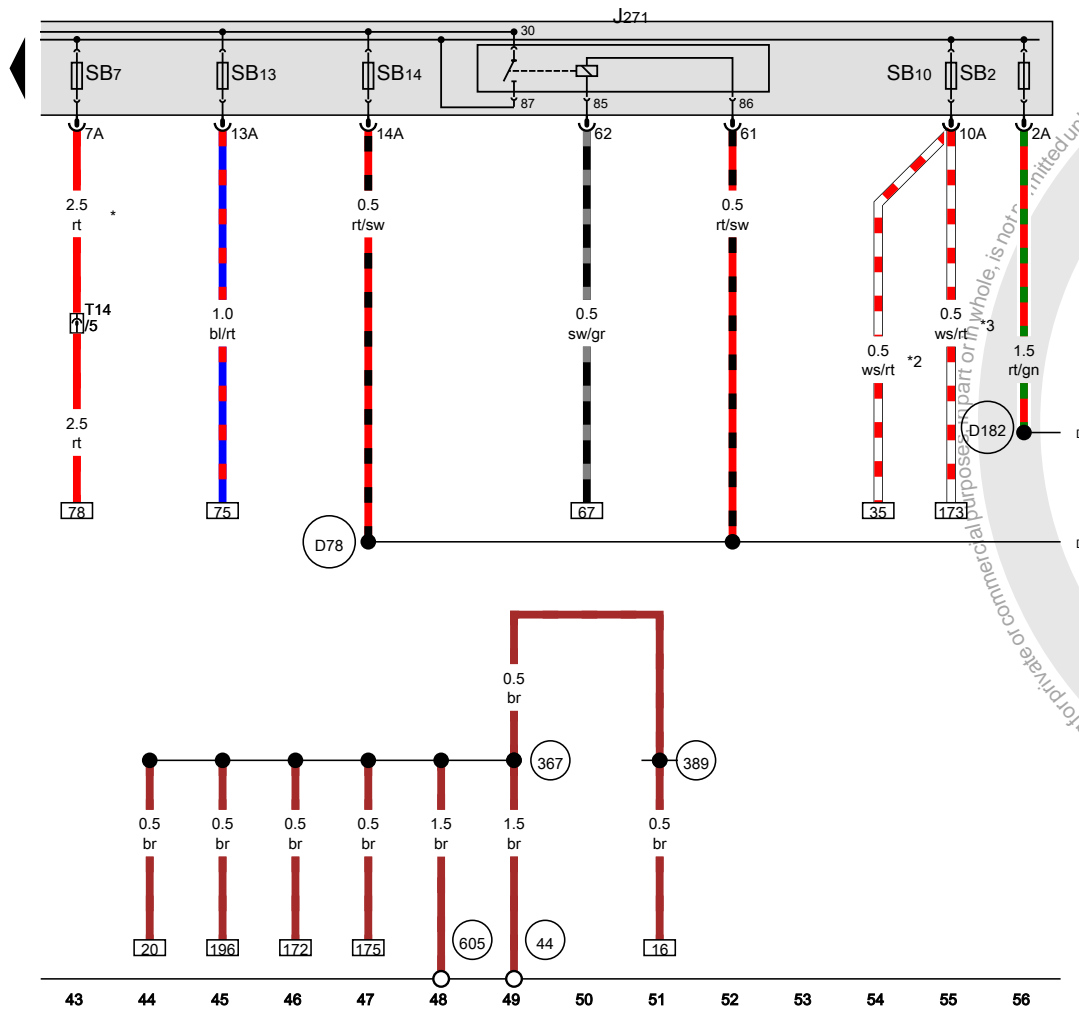


162-050040415

Main relay

- J271 Main relay
- SB2 Fuse 2 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector

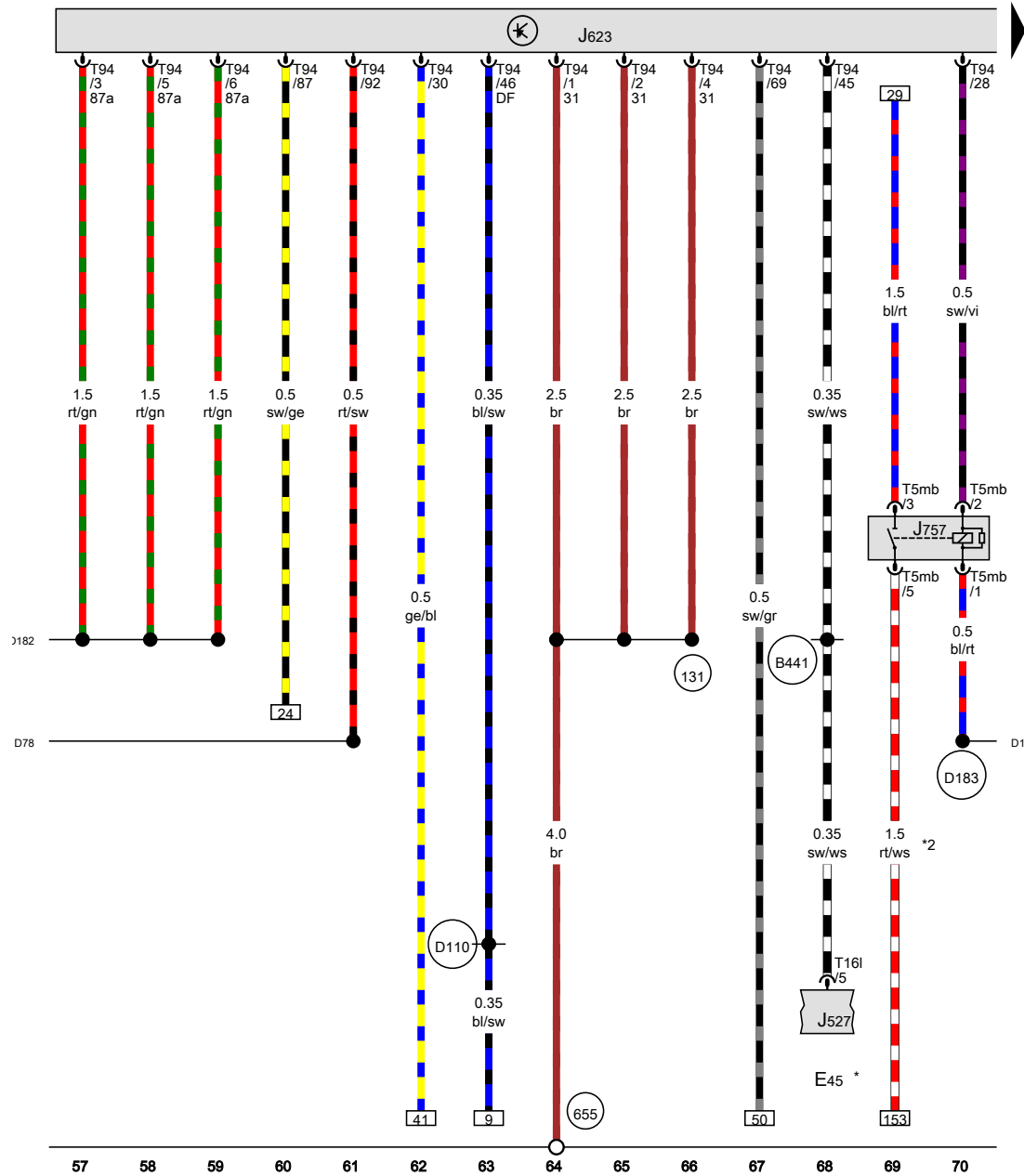
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Wiring colour depends on equipment
- *2 gradual introduction
- *3 According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050050415

Engine control unit, Engine component current supply relay

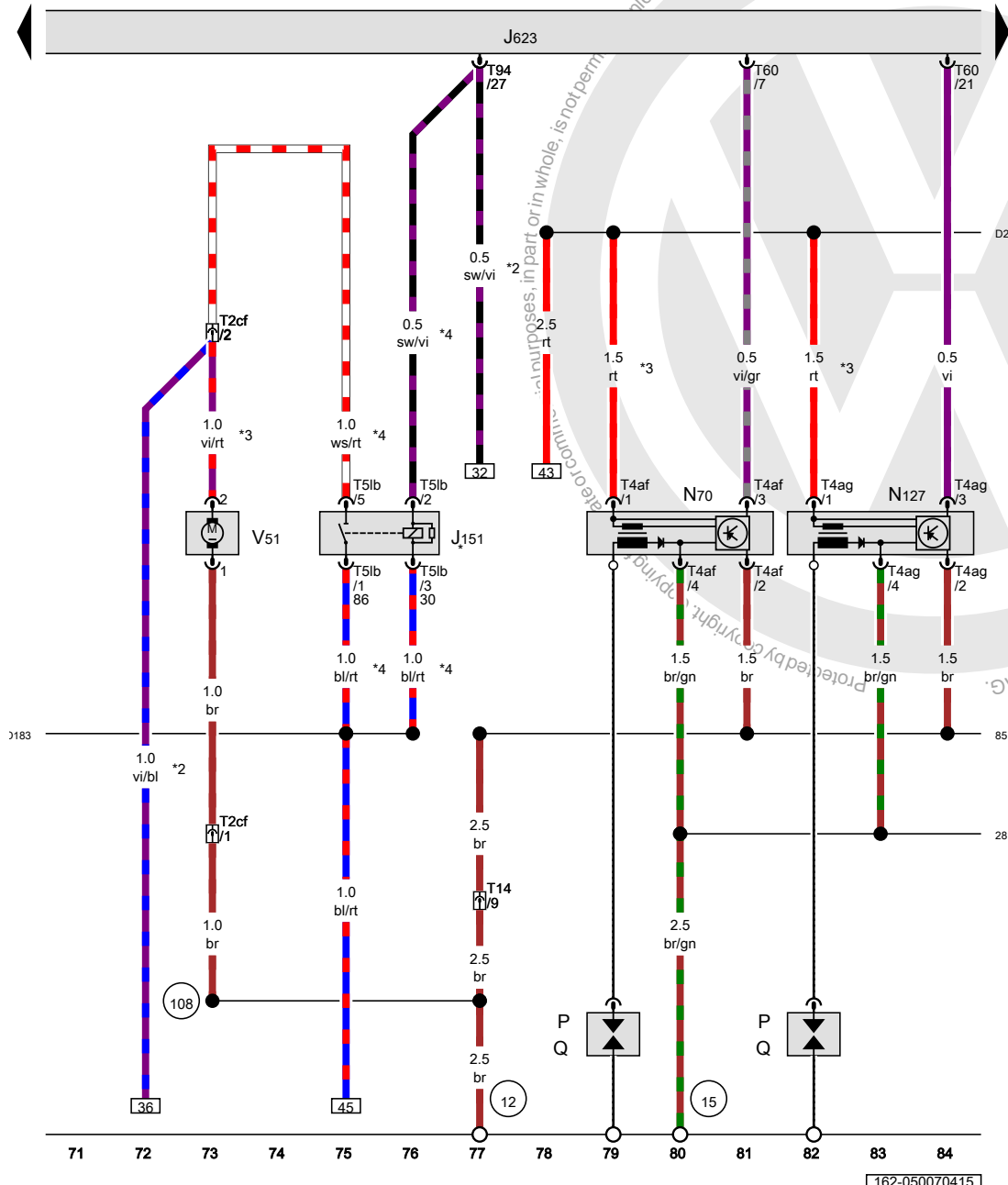


- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- J757 Engine component current supply relay
- T5mb 5-pin connector
- T16l 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050060415



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs, Continued coolant circulation pump

- J151 Continued coolant circulation relay, in interior
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- P Spark plug connector
- Q Spark plugs
- T2cf 2-pin connector
- T4af 4-pin connector
- T4ag 4-pin connector
- T5lb 5-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V51 Continued coolant circulation pump

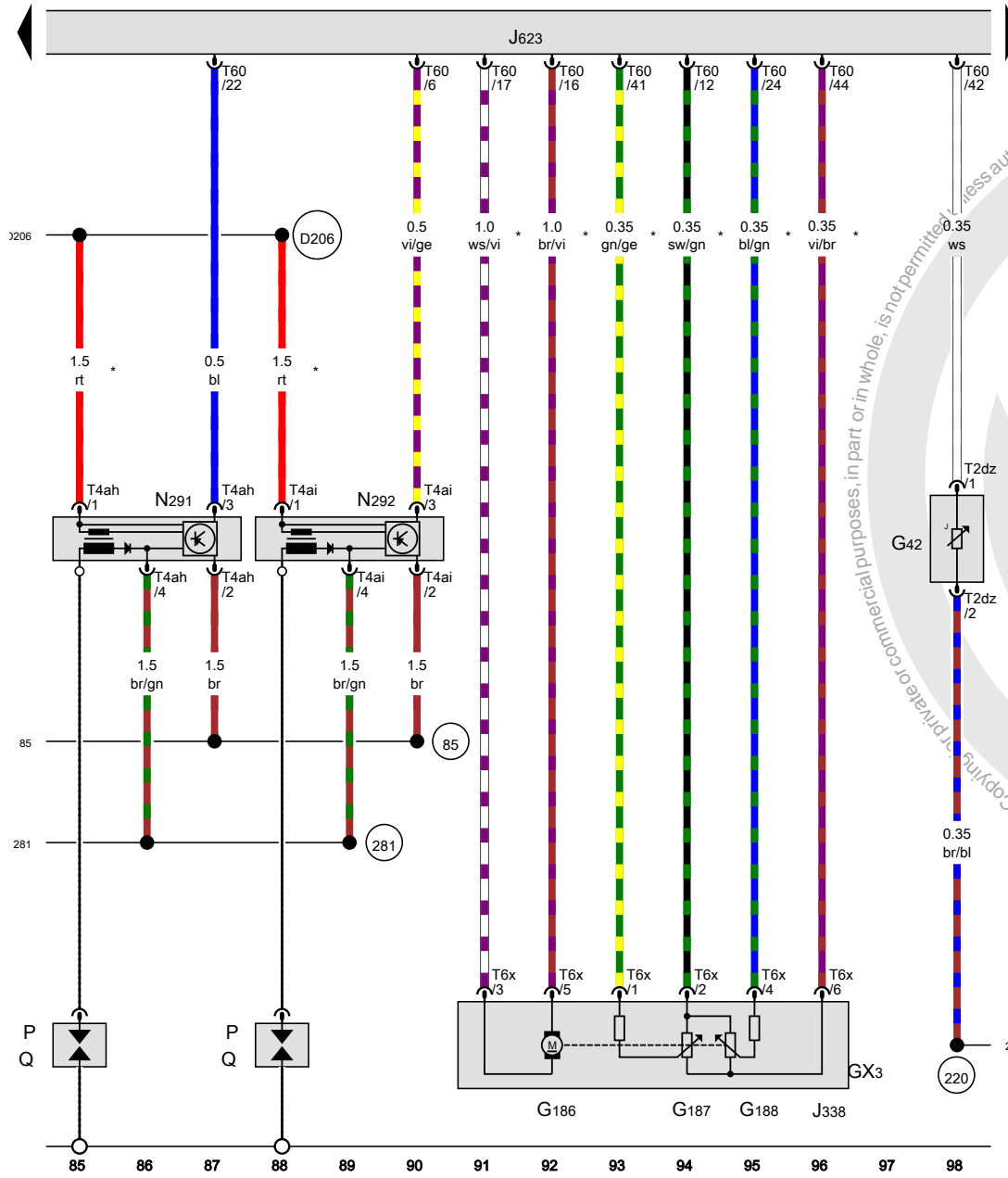
- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- * Optional installation
- *2 gradual introduction
- *3 Wiring colour depends on equipment
- *4 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050070415

Throttle valve module, Intake air temperature sender, Engine control unit, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector



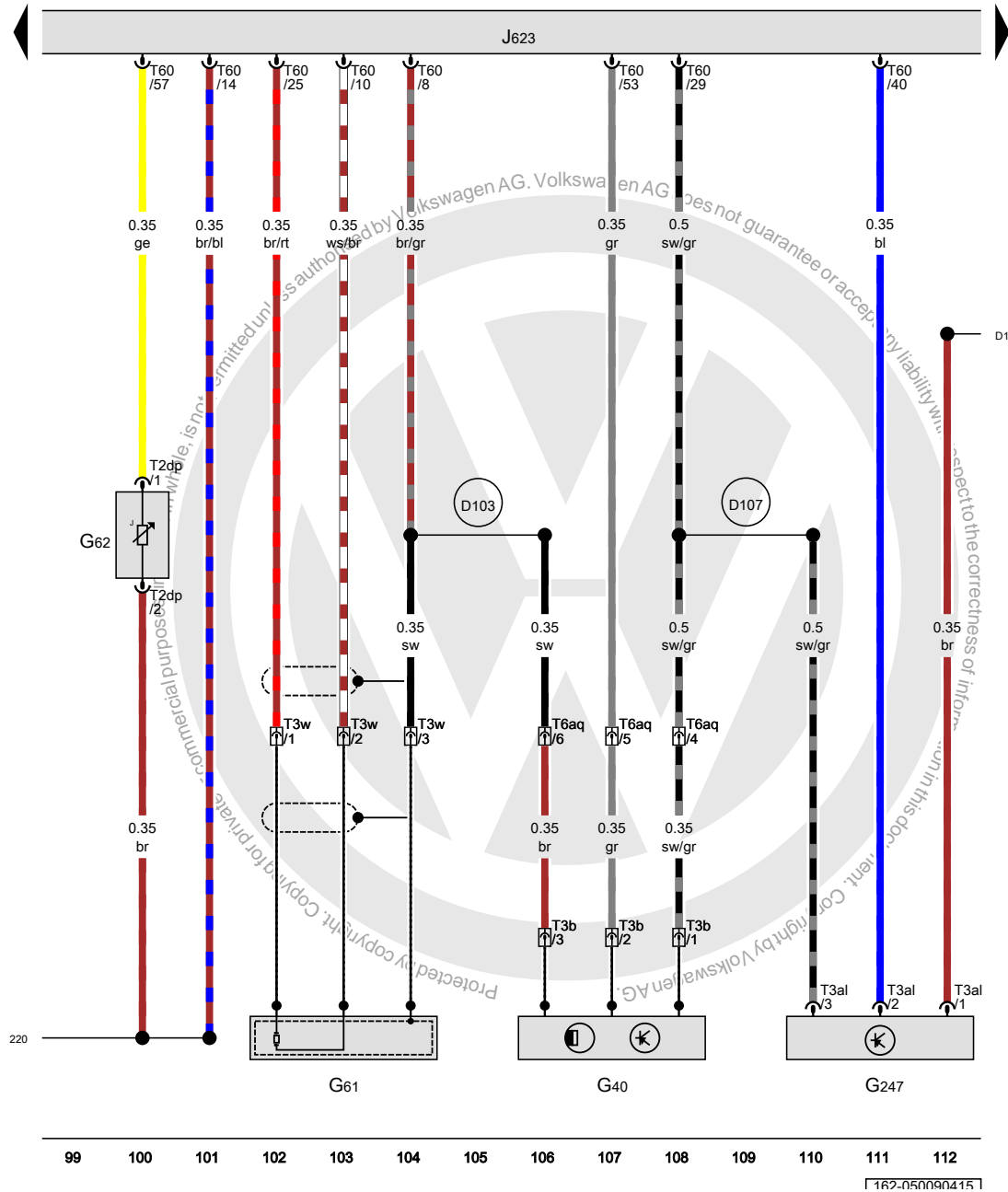
- GX3 Throttle valve module
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dz 2-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050080415

Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit



- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G247 Fuel pressure sender
- J623 Engine control unit
- T2dp 2-pin connector
- T3al 3-pin connector
- T3b 3-pin connector
- T3w 3-pin connector
- T6aq 6-pin connector
- T60 60-pin connector

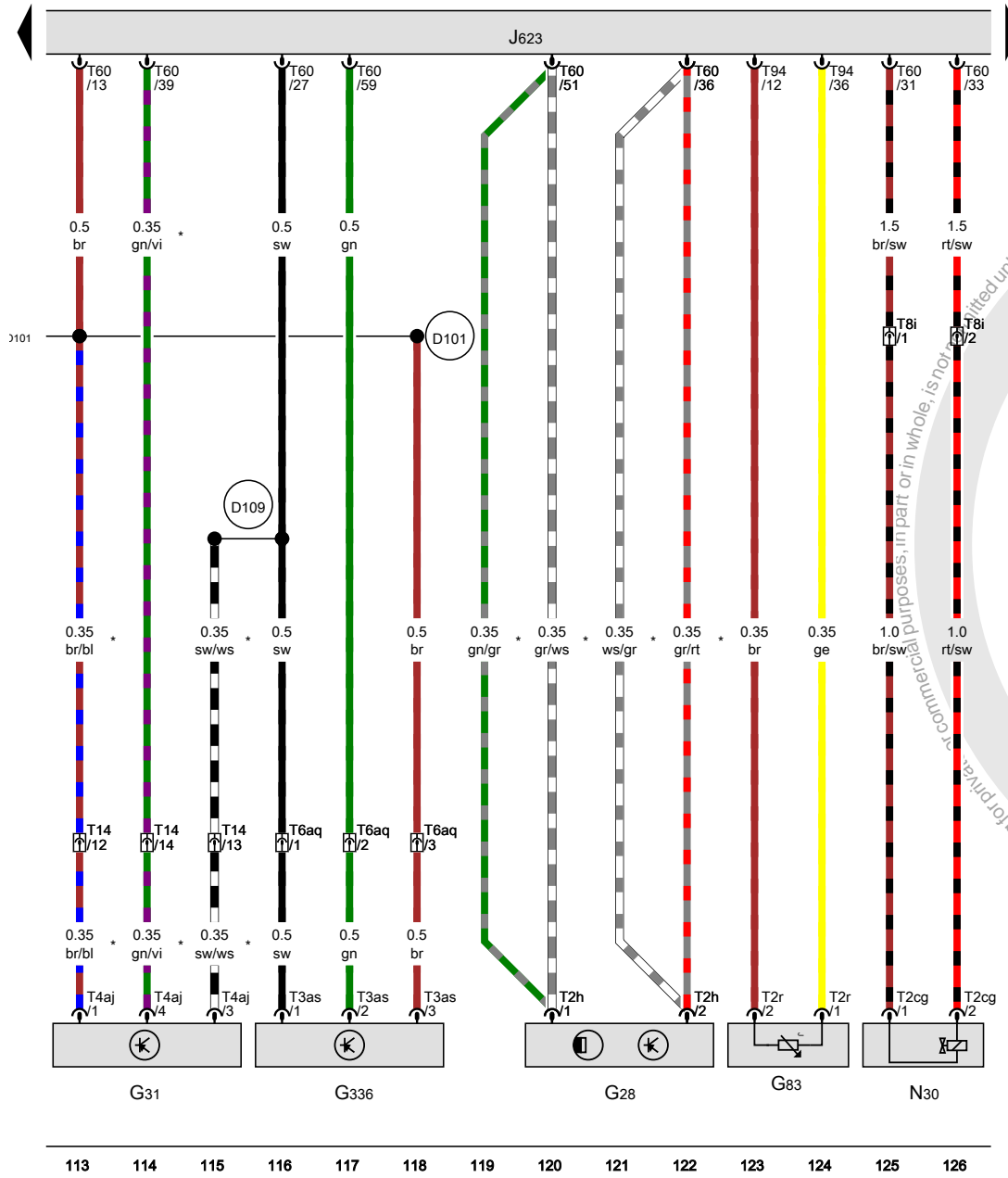
- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness
- (D103) Connection 3 in engine compartment wiring harness
- (D107) Connection 5 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112

162-050090415

Engine speed sender, Charge pressure sender, Radiator outlet coolant temperature sender, Engine control unit, Injector, cylinder 1



- G28 Engine speed sender
- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- N30 Injector, cylinder 1
- T2cg 2-pin connector
- T2h 2-pin connector
- T2r 2-pin connector
- T3as 3-pin connector
- T4aj 4-pin connector
- T6aq 6-pin connector
- T8i 8-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

(D101) Connection 1 in engine compartment wiring harness

(D109) Connection 7 in engine compartment wiring harness

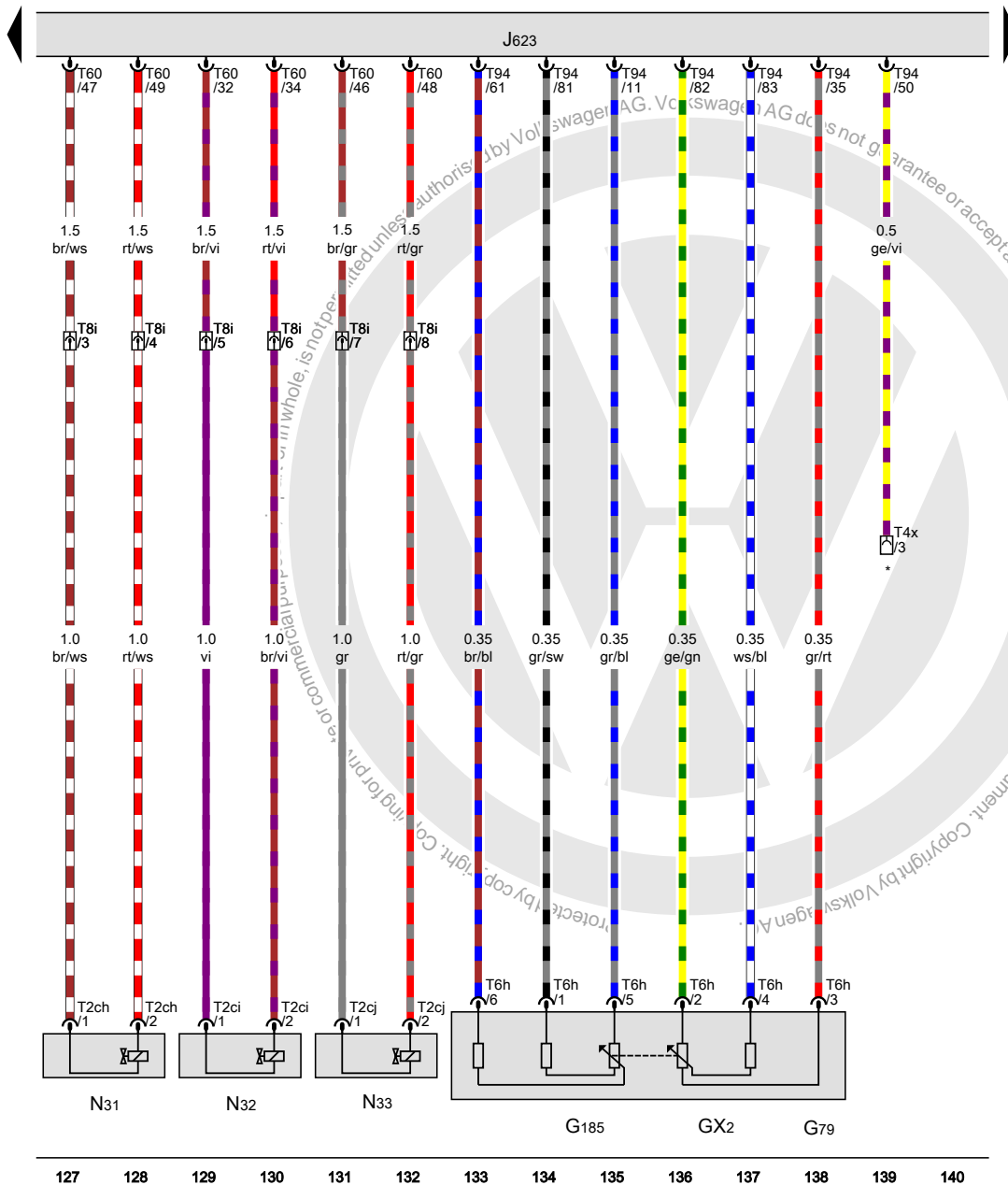
* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

[162-050100415]

Accelerator pedal module, Engine control unit, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

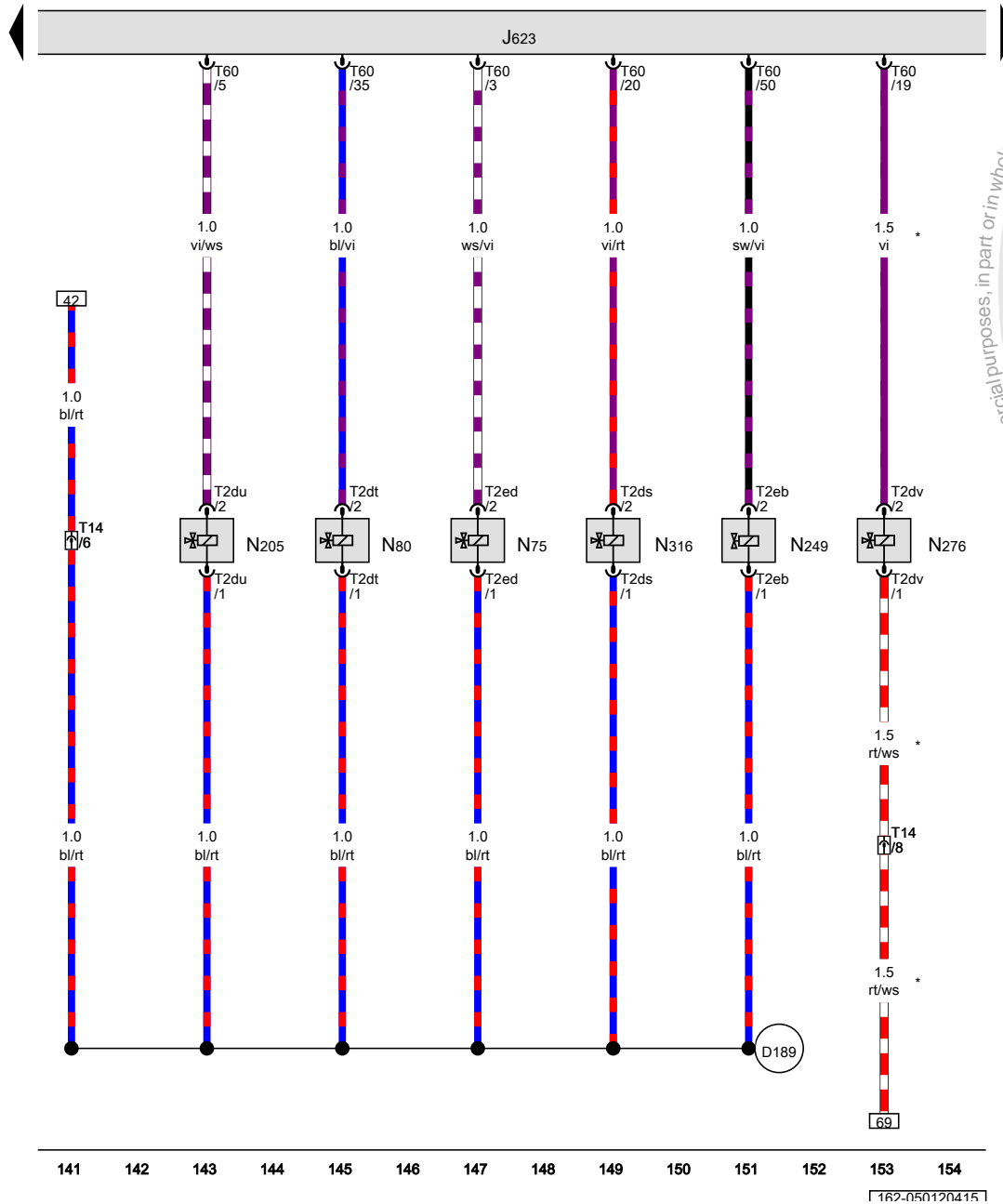


- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T8i 8-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Radiator fan connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140

[162-050110415]



Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Fuel pressure regulating valve, Intake manifold flap valve

- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

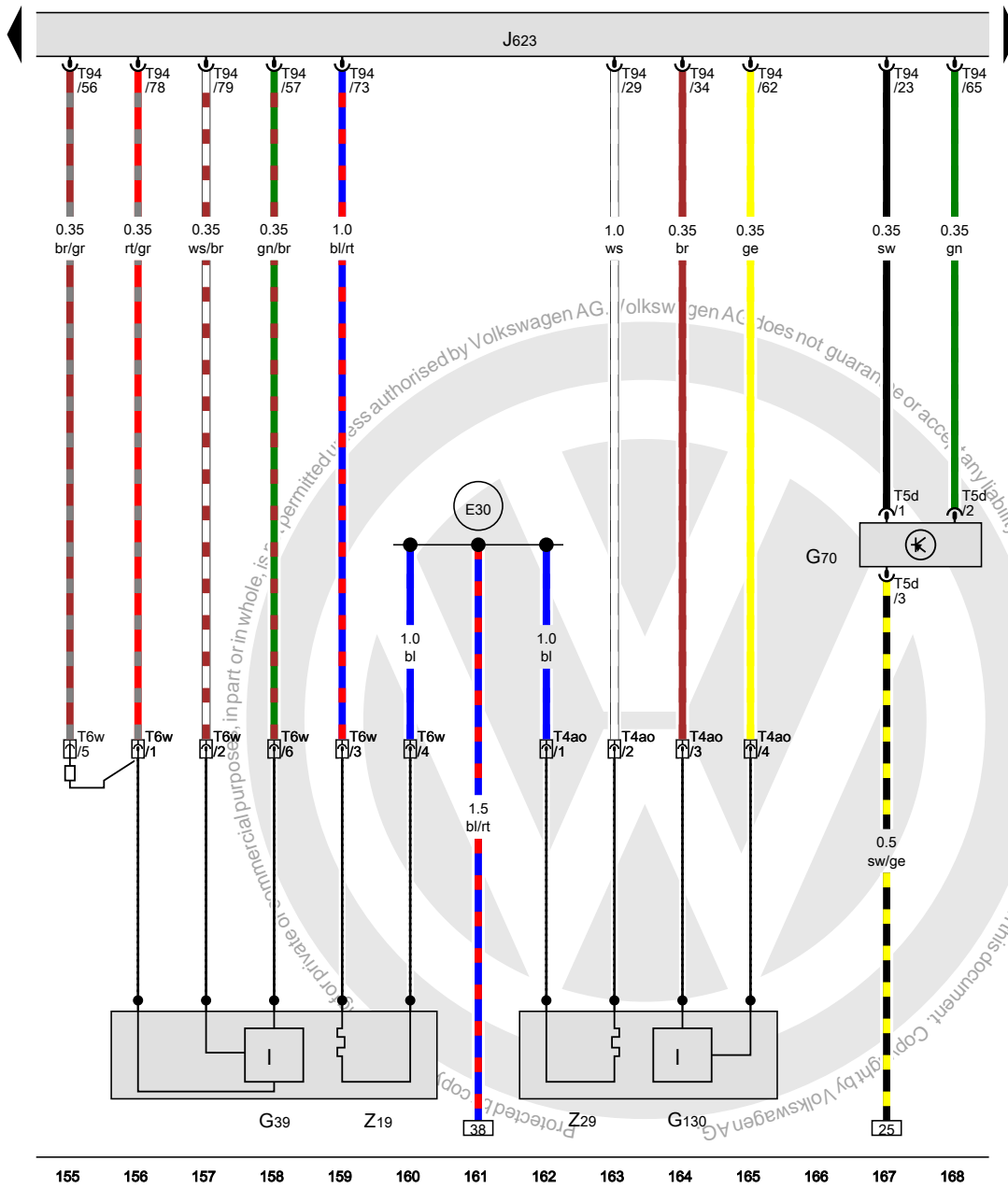
(D189) Connection (87a) in engine prewiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-050120415

Air mass meter, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter



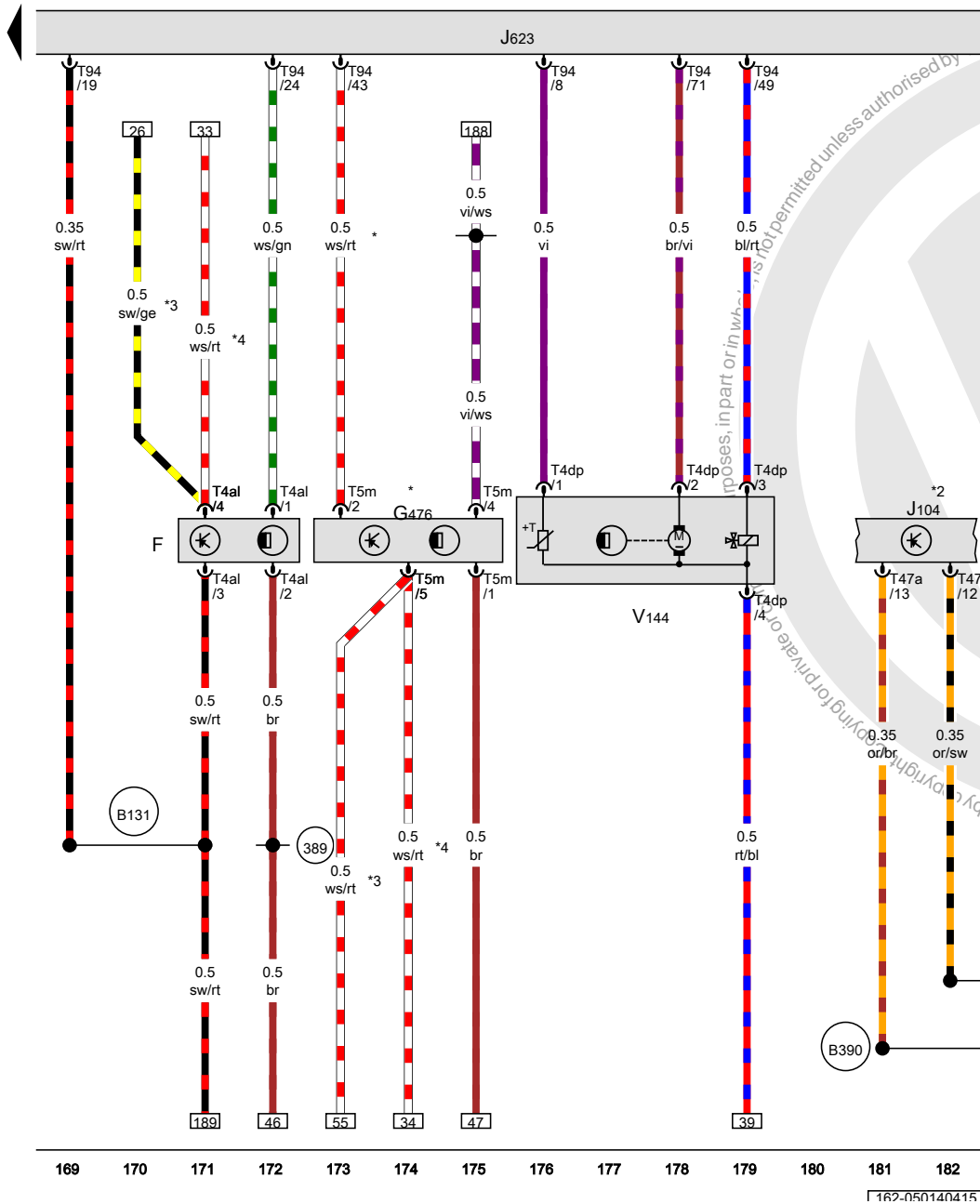
- G39 Lambda probe
- G70 Air mass meter
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T5d 5-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-050130415

Brake light switch, Clutch position sender, Engine control unit, Fuel system diagnostic pump



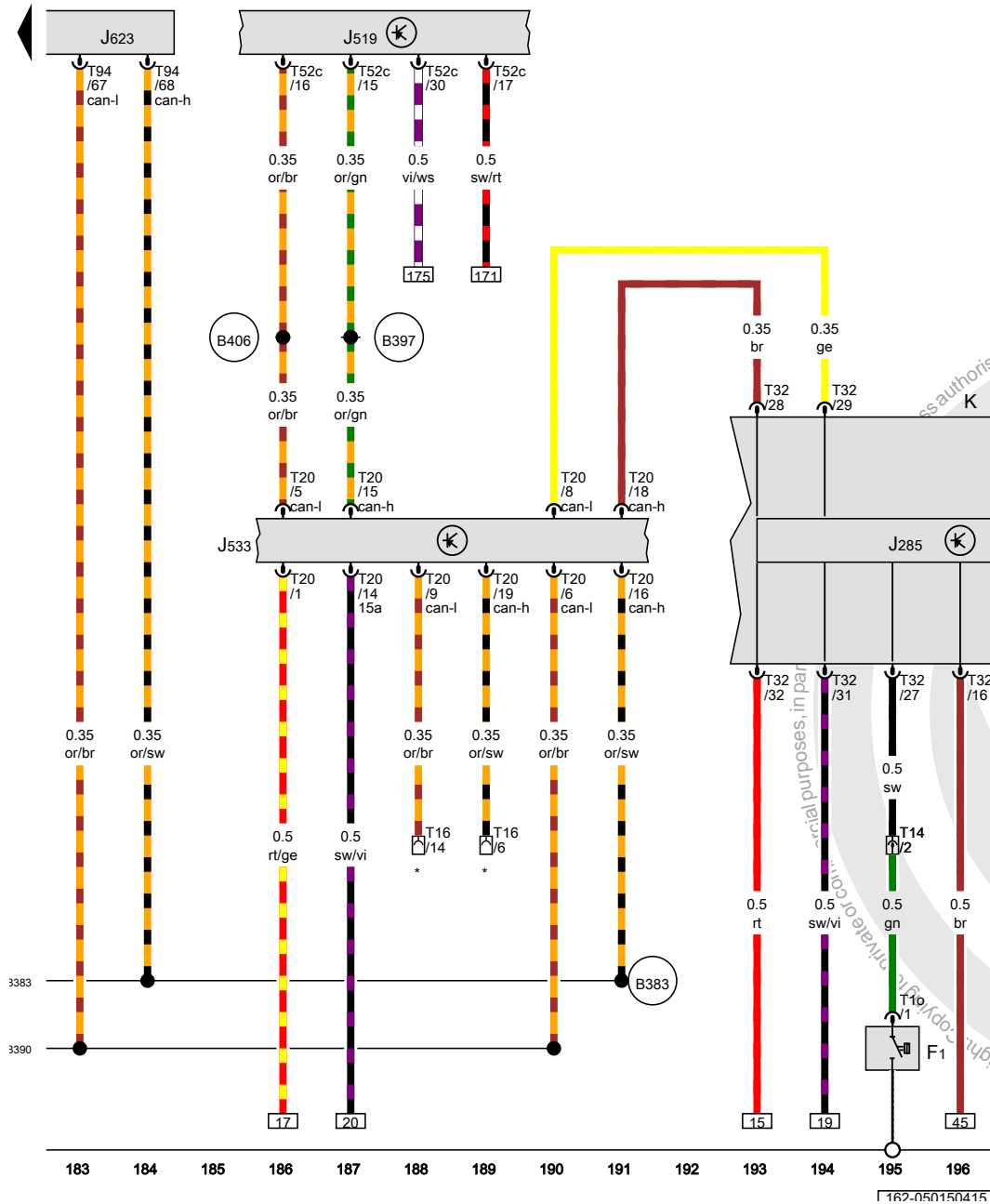
- F Brake light switch
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine control unit
- T4al 4-pin connector
- T4dp 4-pin connector
- T5m 5-pin connector
- T47a 47-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump
- 389 Earth connection 24, in main wiring harness
- B131 Connection (54), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only models with manual gearbox
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 According to equipment
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

[162-050140415]

Oil pressure switch, Data bus diagnostic interface, Engine control unit, Dash panel insert



- F1 Oil pressure switch
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- K Dash panel insert
- T1o Single connector
- T14 14-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T94 94-pin connector

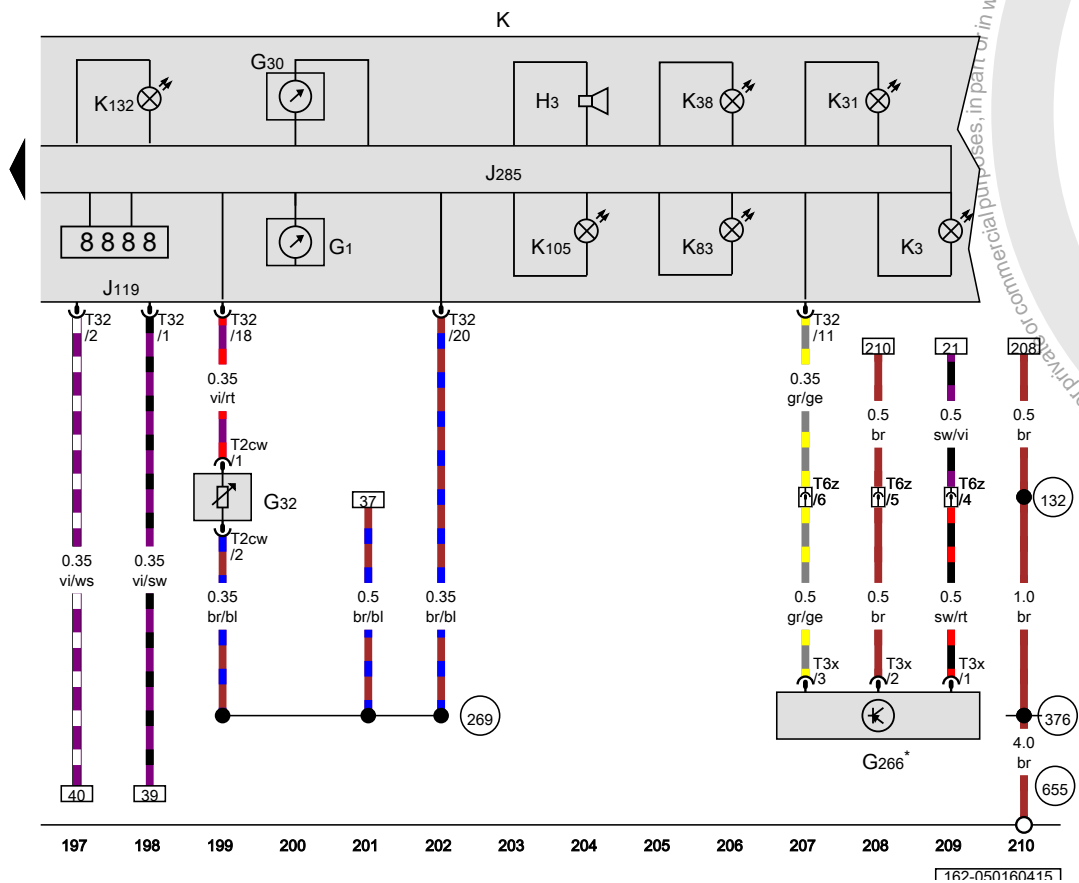
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge, Charge air pressure gauge, Buzzer and gong, Dash panel insert, Oil pressure warning lamp, Cruise control system warning lamp, Oil level warning lamp, Exhaust emissions warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G30 Charge air pressure gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T2cw 2-pin connector
- T3x 3-pin connector
- T6z 6-pin connector
- T32 32-pin connector

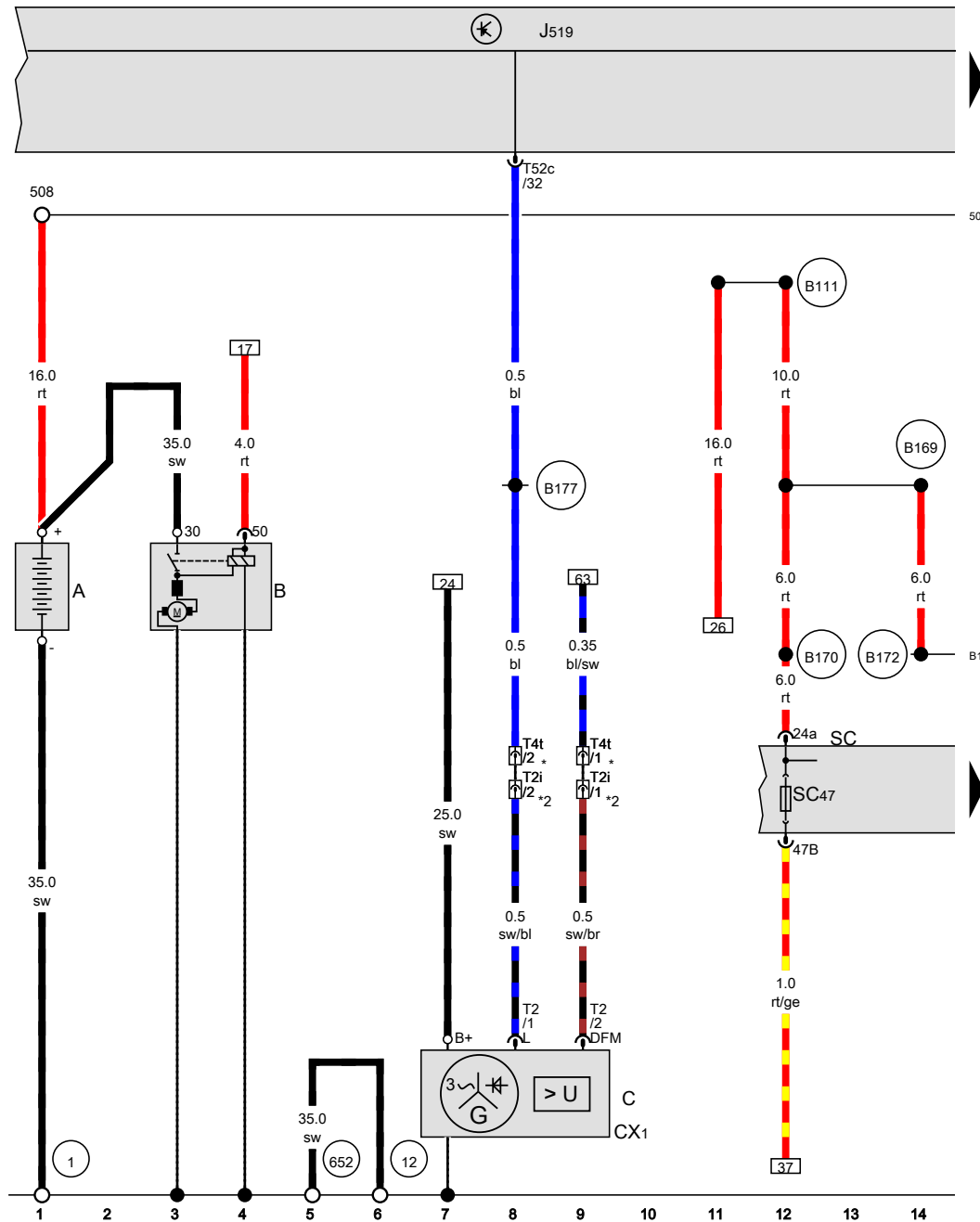
- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- * Only models with extended servicing intervals (ESI)



162-050160415

2.0l petrol engine , CBFA,(AW1)
From March 2011





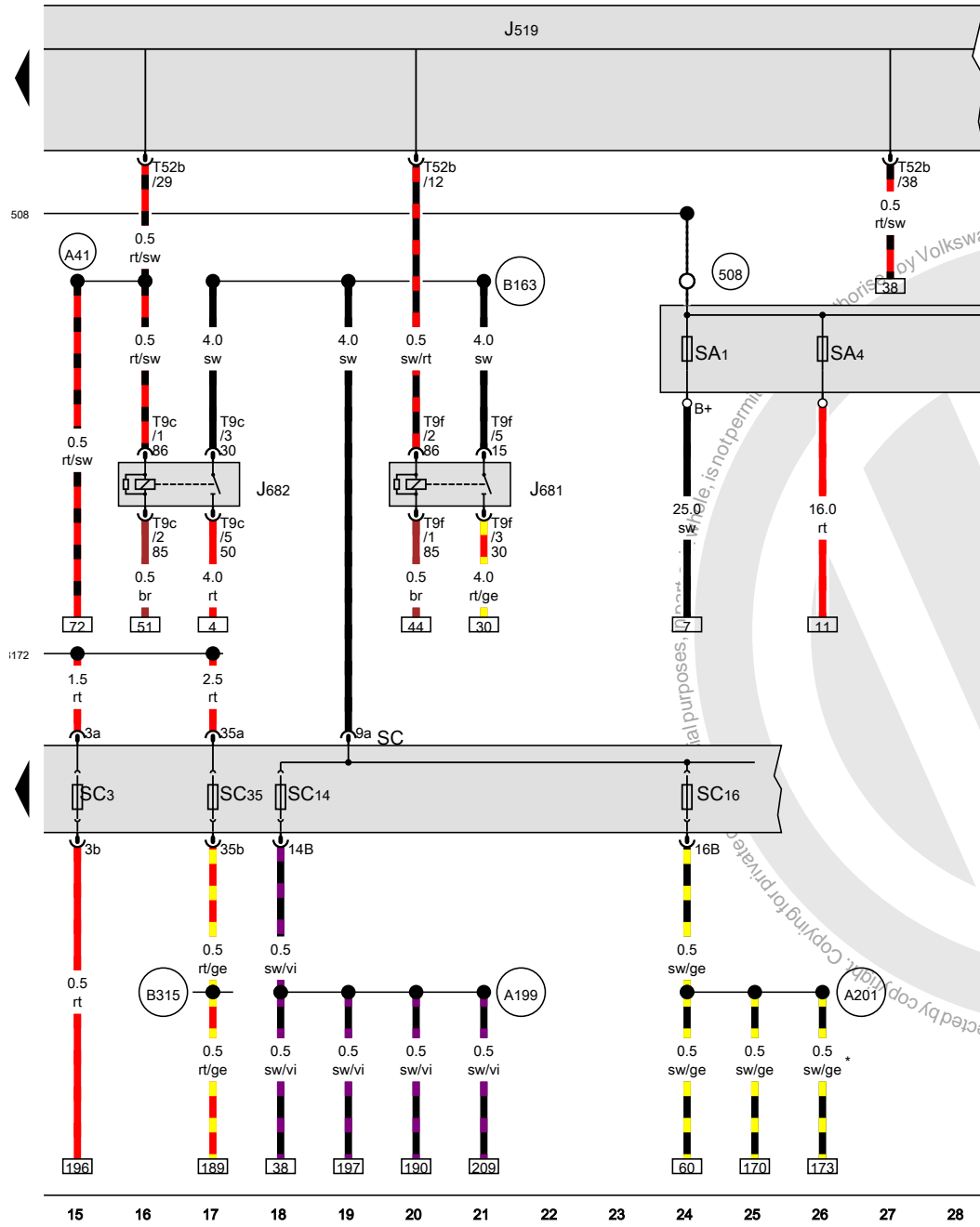
Battery, Starter, Alternator, Onboard supply control unit, Fuse holder C

- A Battery
- B Starter
- C Alternator
- CX1 Alternator with voltage regulator
- J519 Onboard supply control unit
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-051020415



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SA1 Fuse 1 in fuse holder A
- SC3 Fuse 3 on fuse holder C
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

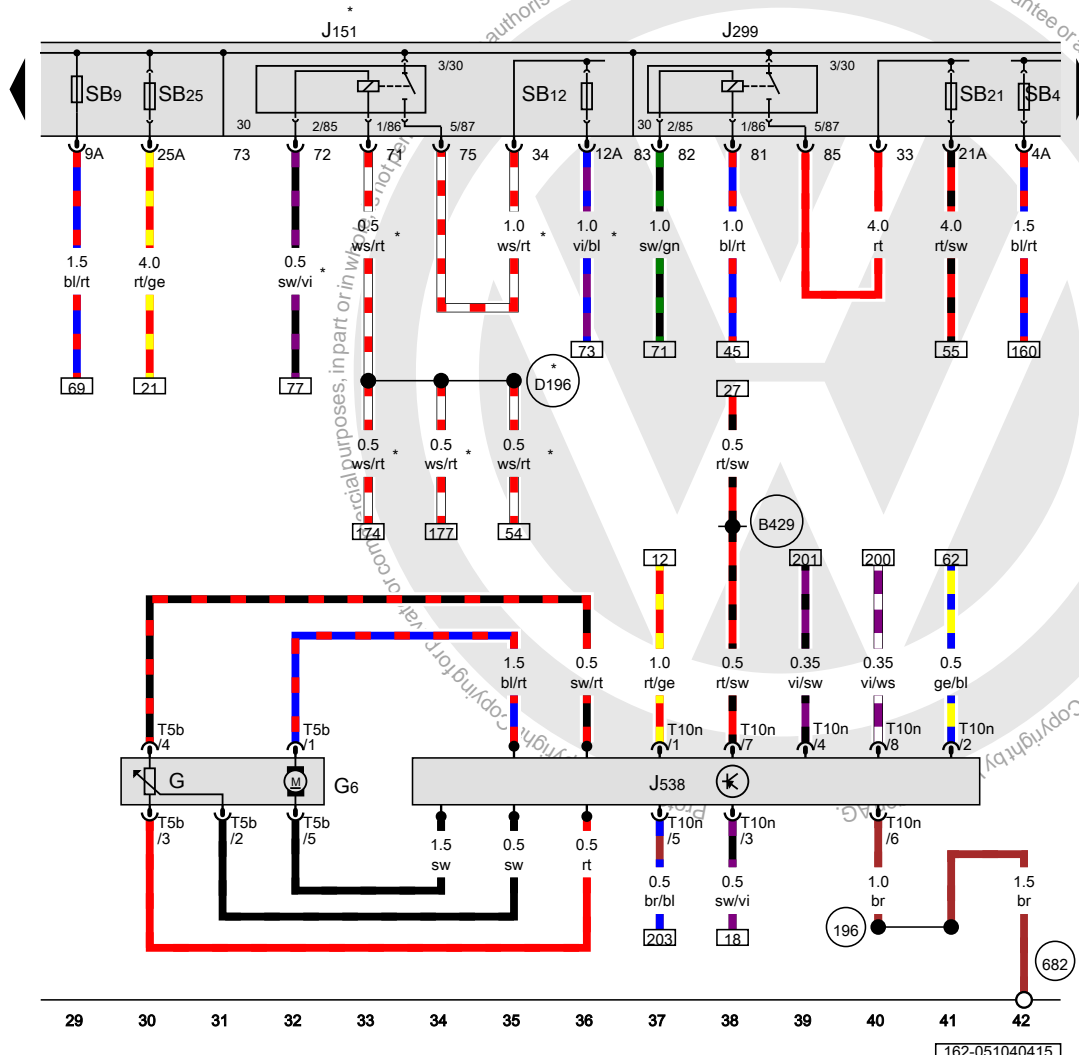
- 508 Threaded connection (30) on E-box
- A41 Positive connection (50), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Continued coolant circulation relay, Fuse 25 on fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J151 Continued coolant circulation relay
- J299 Secondary air pump relay
- J538 Fuel pump control unit
- SB4 Fuse 4 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector

- (196) Earth connection 3, in rear wiring harness
- (682) Earth point 2, in rear right side panel
- (B429) Connection (EFPR), in main wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness
- * gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-051040415

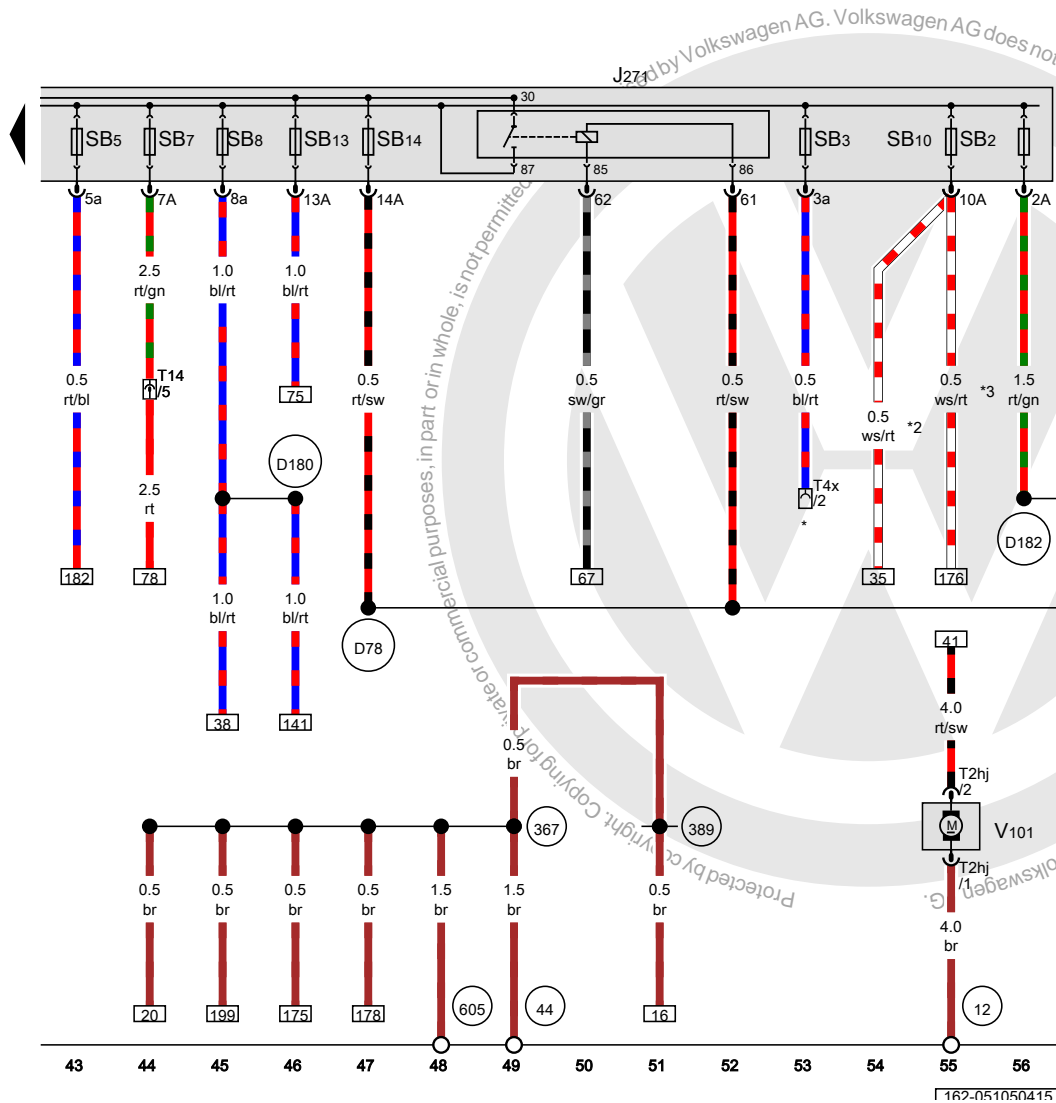
Main relay

- J271 Main relay
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T2hj 2-pin connector
- T4x 4-pin connector
- T14 14-pin connector
- V101 Secondary air pump motor

- 12 Earth point, on left in engine compartment
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness

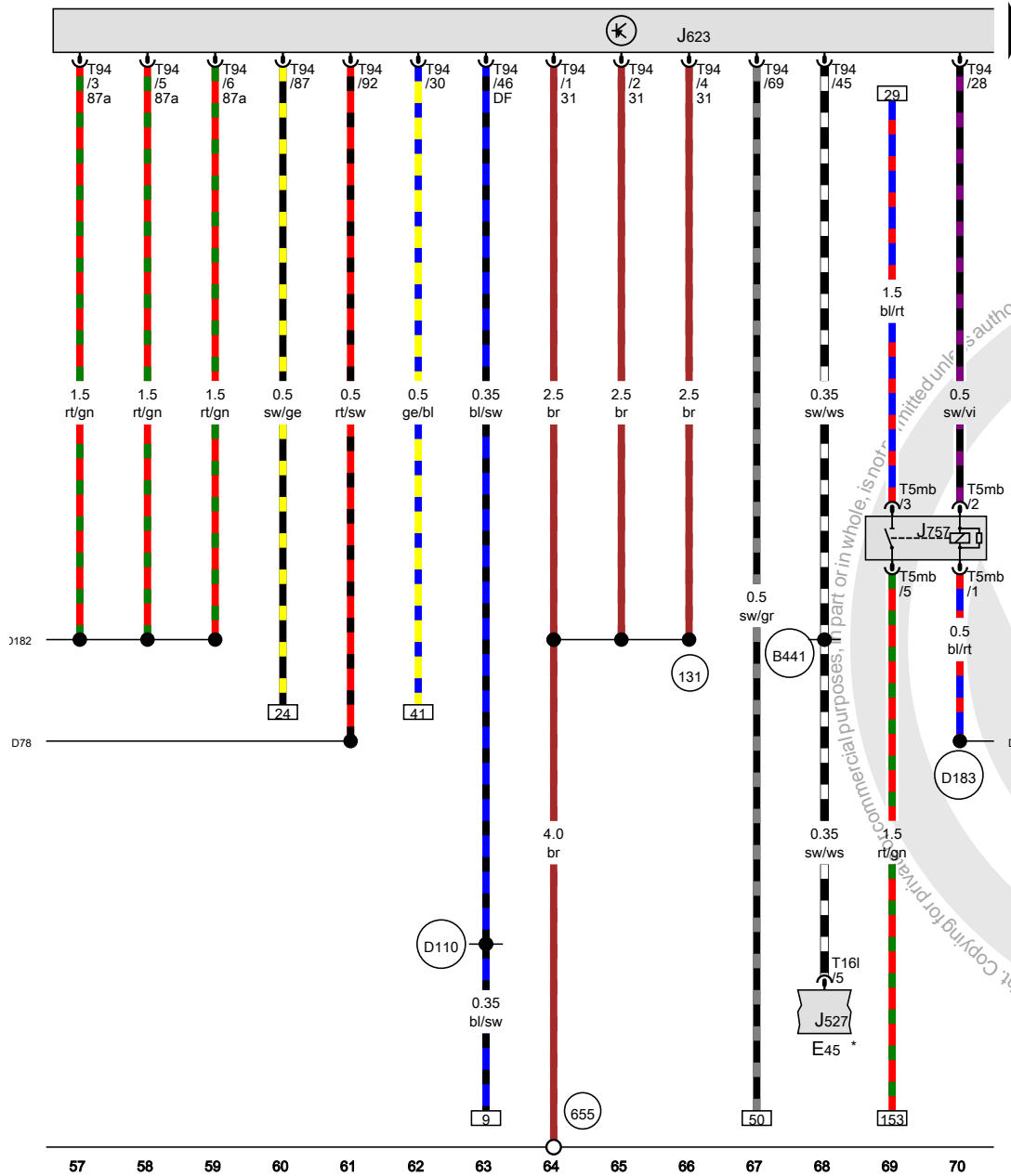
- * Radiator fan connection gradual introduction
- *2 According to equipment
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-051050415

Engine control unit, Engine component current supply relay

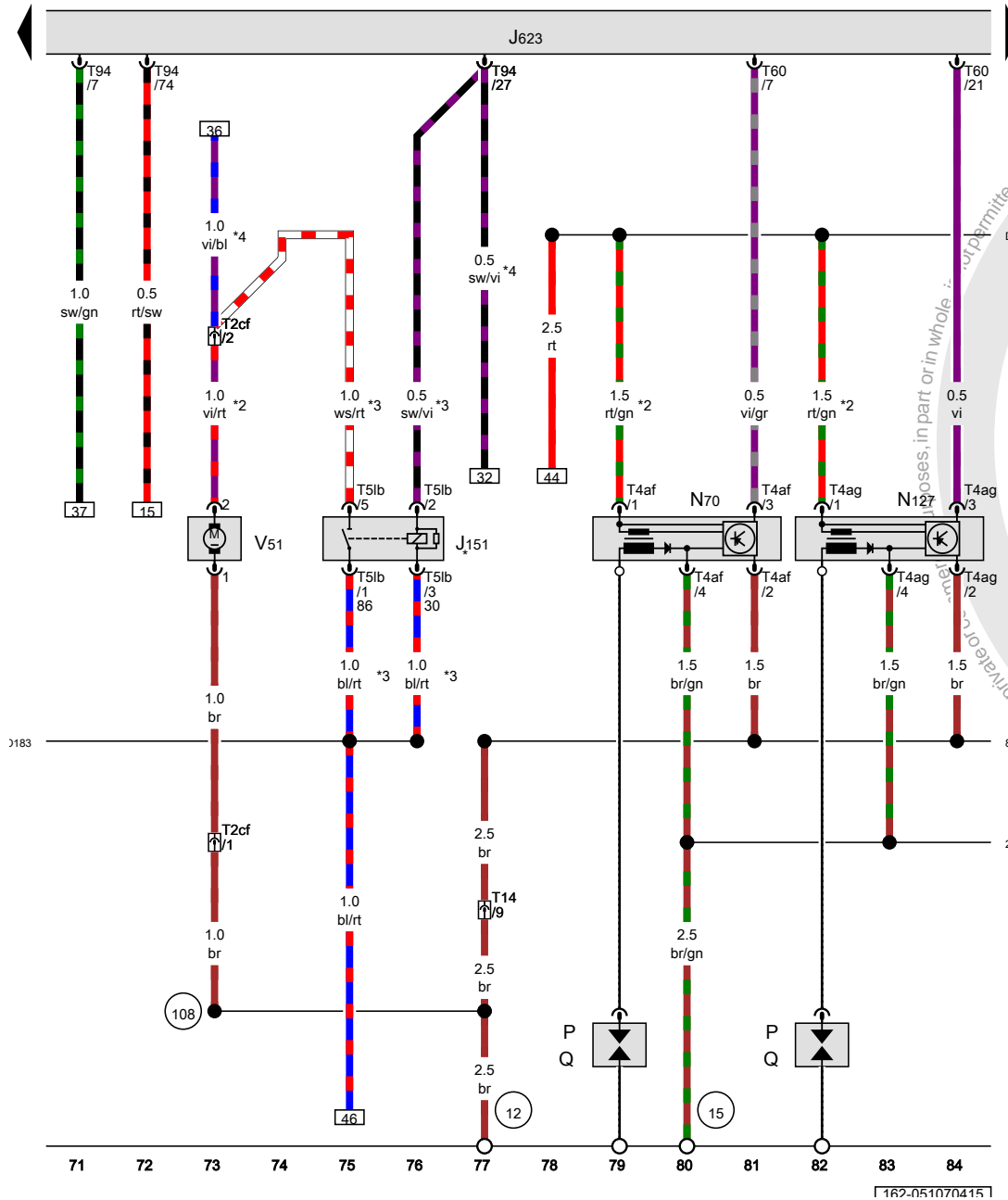


- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- J757 Engine component current supply relay
- T5mb 5-pin connector
- T16i 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-051060415



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs, Continued coolant circulation pump

- J151 Continued coolant circulation relay, in interior
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- P Spark plug connector
- Q Spark plugs
- T2cf 2-pin connector
- T4af 4-pin connector
- T4ag 4-pin connector
- T5lb 5-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V51 Continued coolant circulation pump

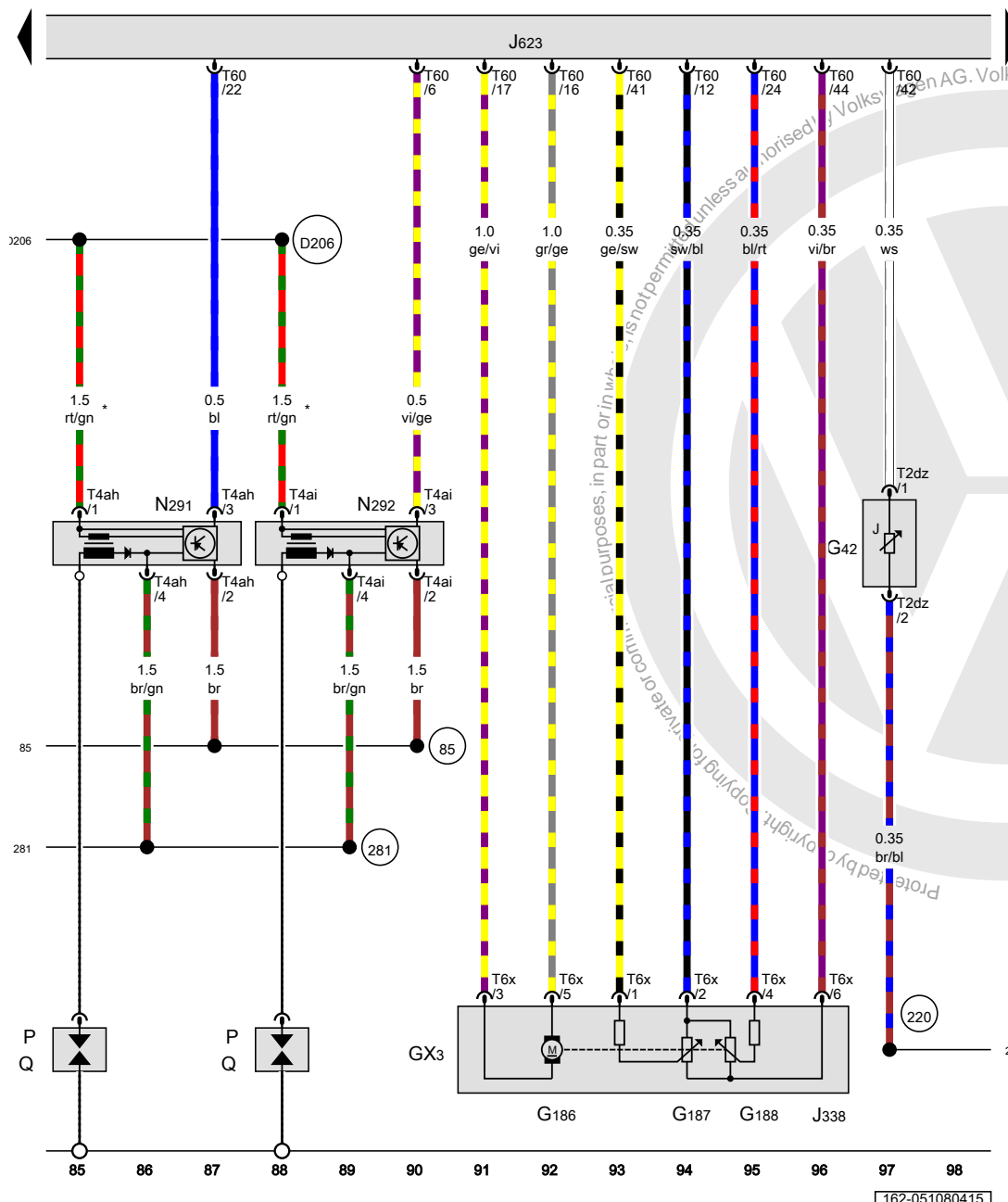
- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- * Optional installation
- *2 Wiring colour depends on equipment
- *3 According to equipment
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-051070415

Throttle valve module, Intake air temperature sender, Engine control unit, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector



- GX3 Throttle valve module
- G42 Intake air temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dz 2-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

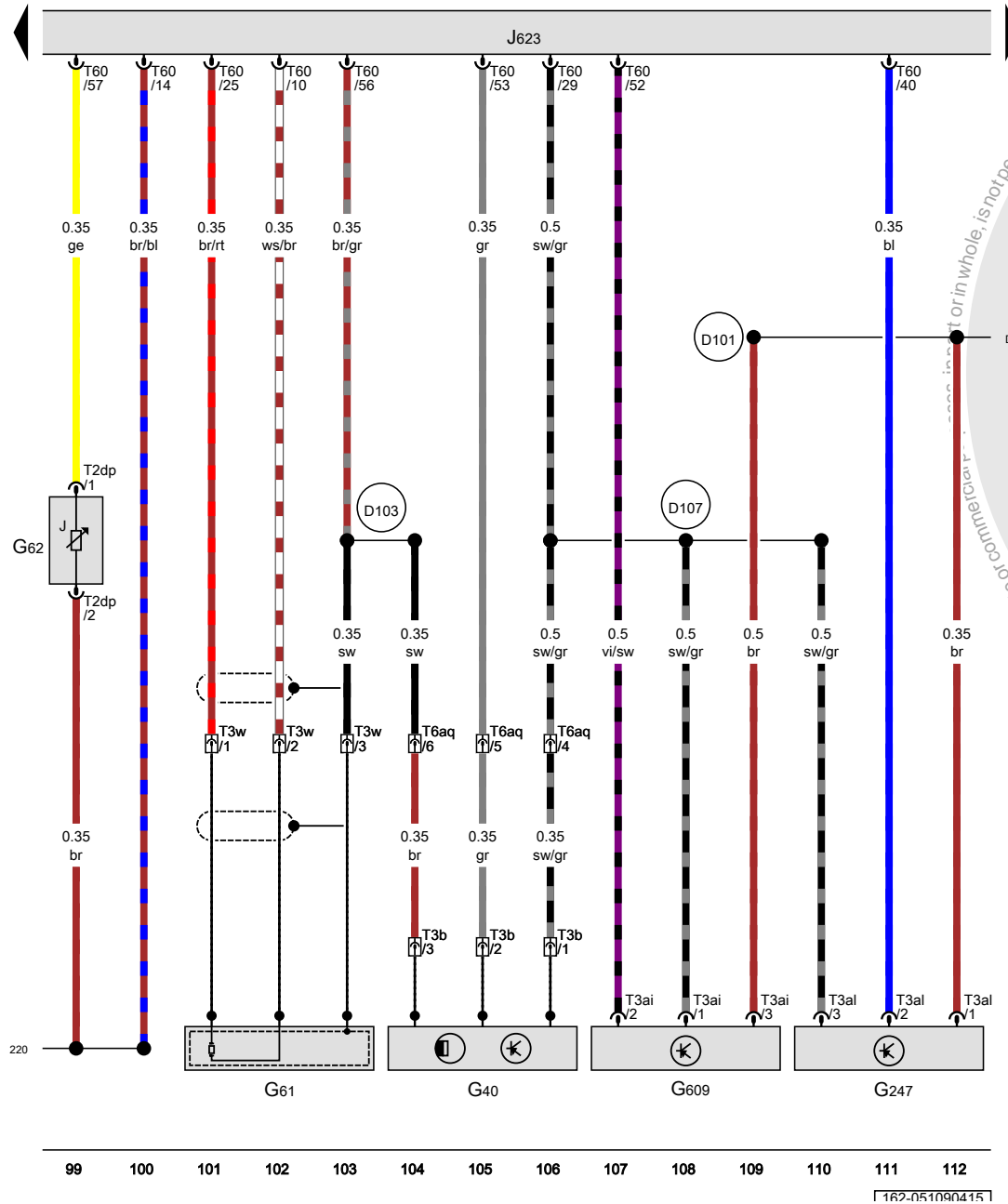
- 85 Earth connection 1, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-051080415

Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit

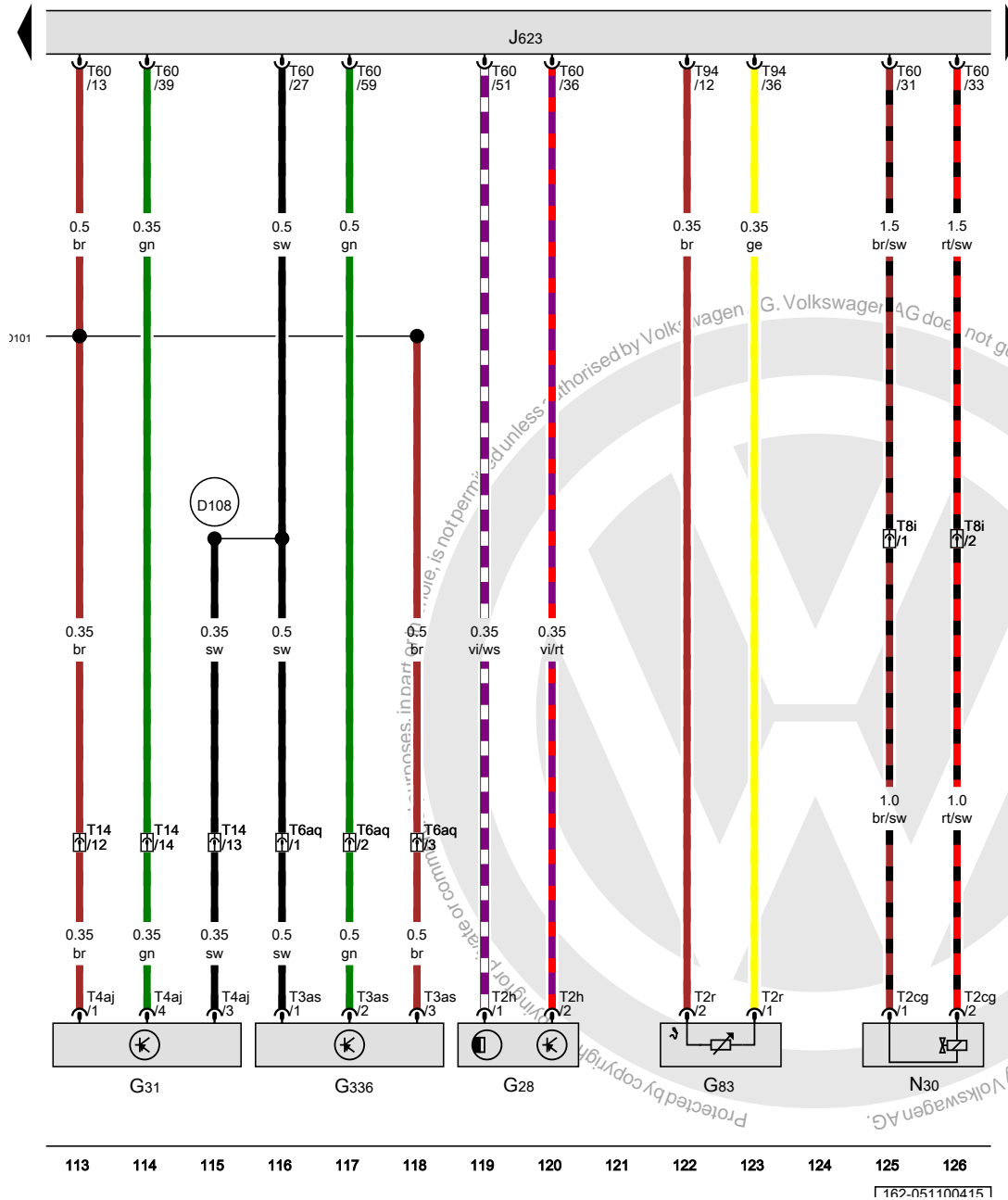


- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G247 Fuel pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- T2dp 2-pin connector
- T3ai 3-pin connector
- T3al 3-pin connector
- T3b 3-pin connector
- T3w 3-pin connector
- T6aq 6-pin connector
- T60 60-pin connector
- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness
- (D103) Connection 3 in engine compartment wiring harness
- (D107) Connection 5 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-051090415

Engine speed sender, Charge pressure sender, Radiator outlet coolant temperature sender, Engine control unit, Injector, cylinder 1

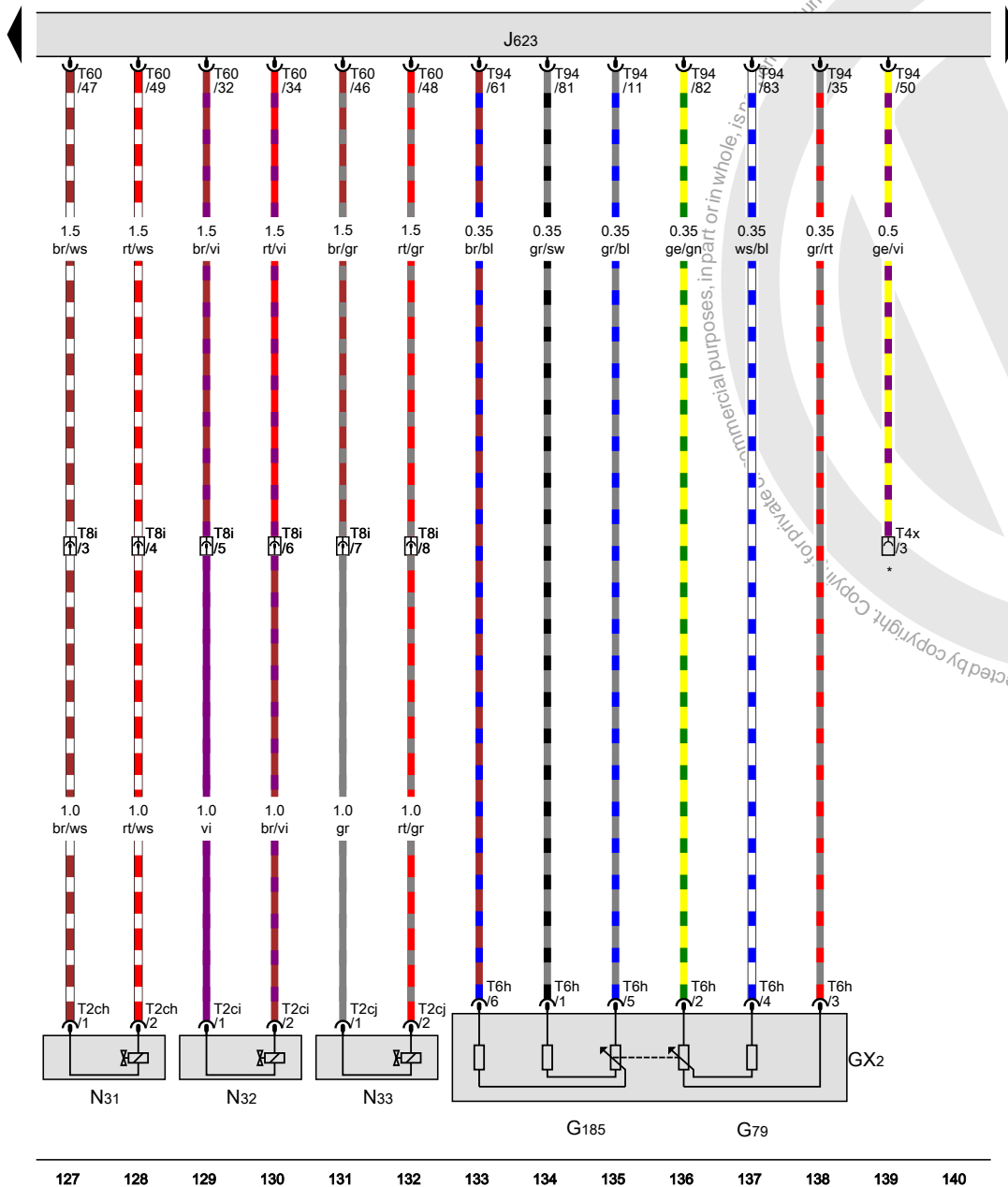


- G28 Engine speed sender
- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- N30 Injector, cylinder 1
- T2cg 2-pin connector
- T2h 2-pin connector
- T2r 2-pin connector
- T3as 3-pin connector
- T4aj 4-pin connector
- T6aq 6-pin connector
- T8i 8-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- D101 Connection 1 in engine compartment wiring harness
- D108 Connection 6 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

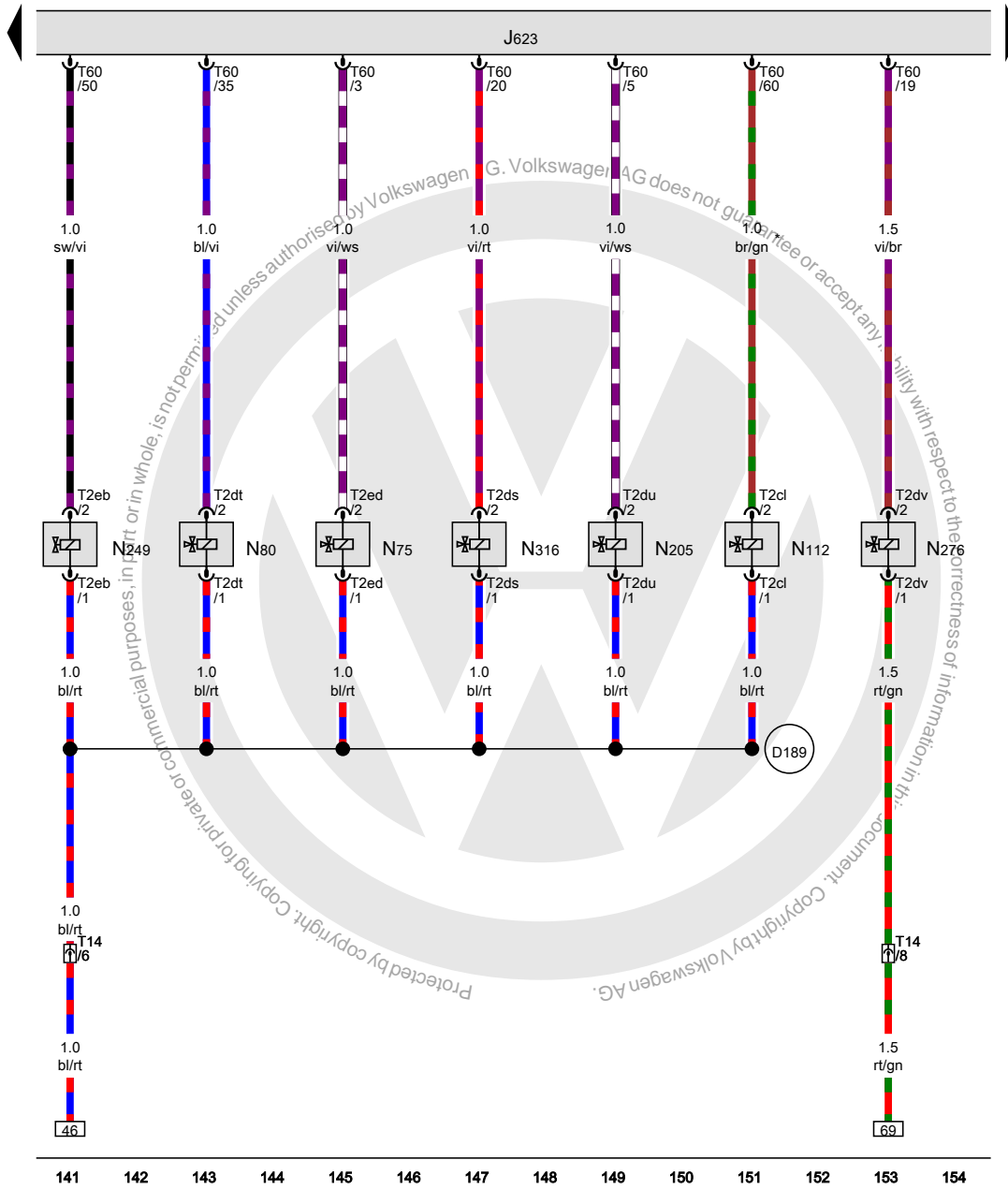
162-051100415

Accelerator pedal module, Engine control unit, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4



- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T8i 8-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Radiator fan connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit, Activated charcoal filter solenoid valve 1, Secondary air inlet valve, Camshaft control valve 1, Turbocharger air recirculation valve, Fuel pressure regulating valve, Intake manifold flap valve

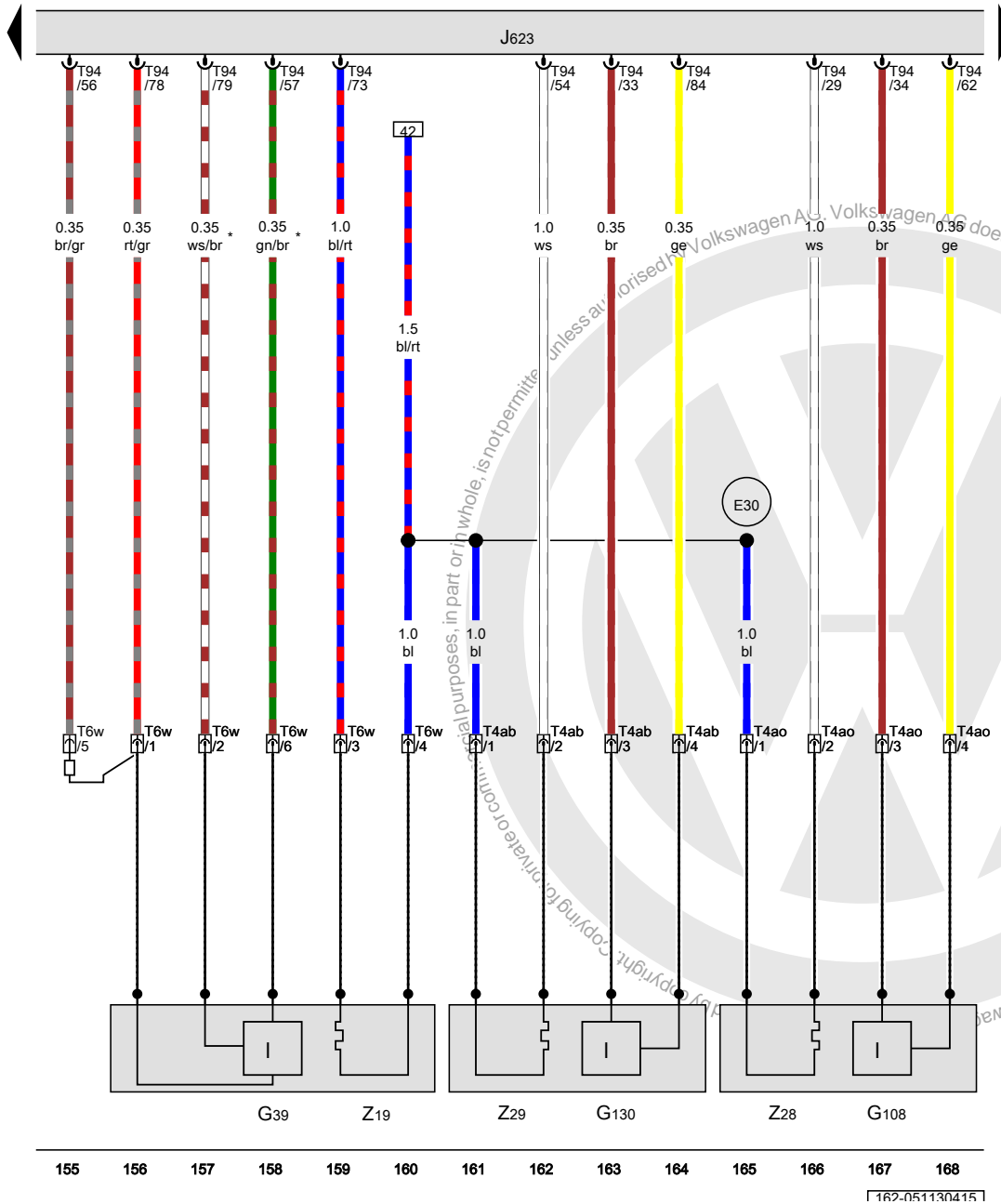
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N112 Secondary air inlet valve
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- T2cl 2-pin connector
- T2ds 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

D189 Connection (87a) in engine prewiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe 2, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter



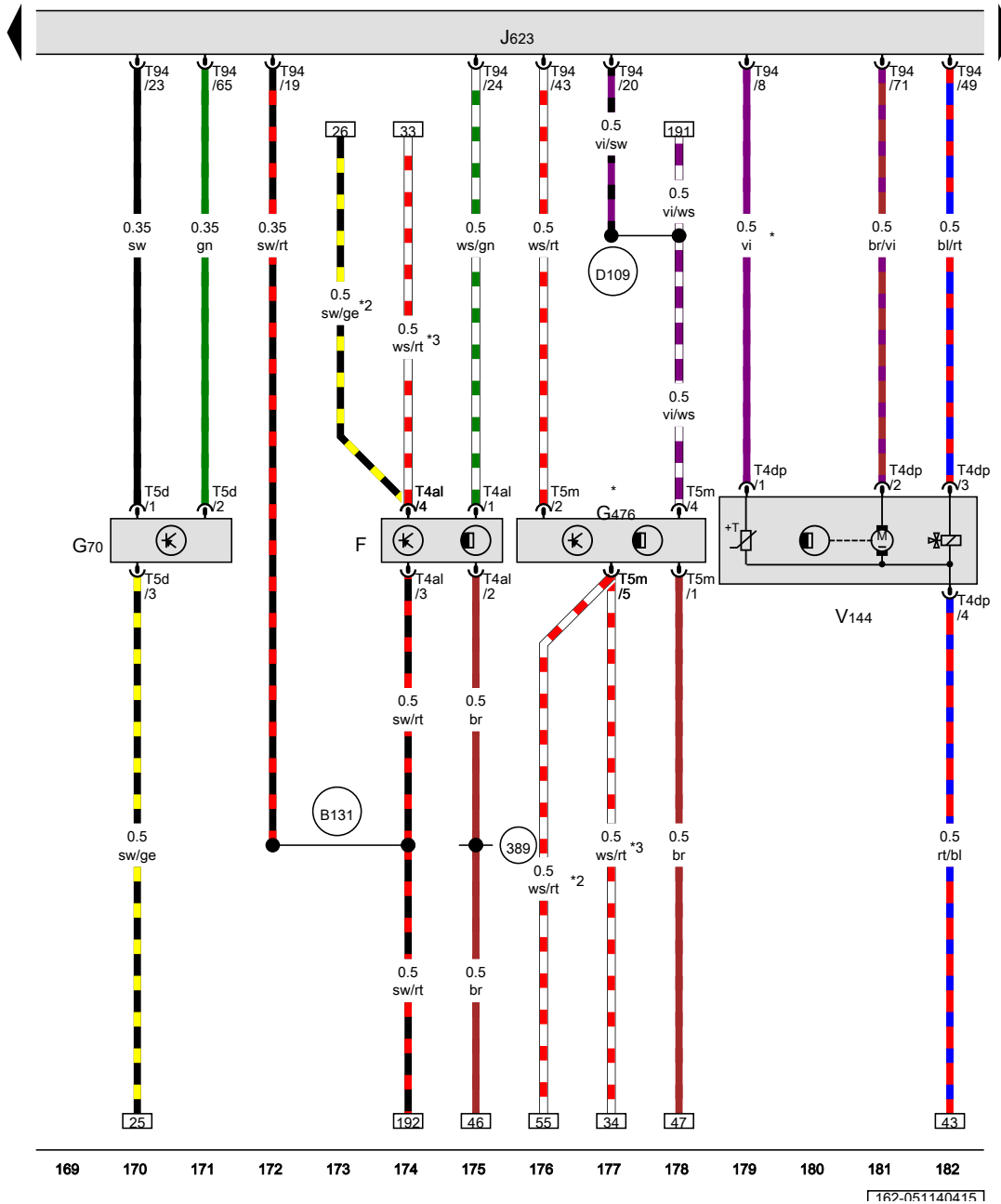
- G39 Lambda probe
- G108 Lambda probe 2
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ab 4-pin connector
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z28 Lambda probe heater 2
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

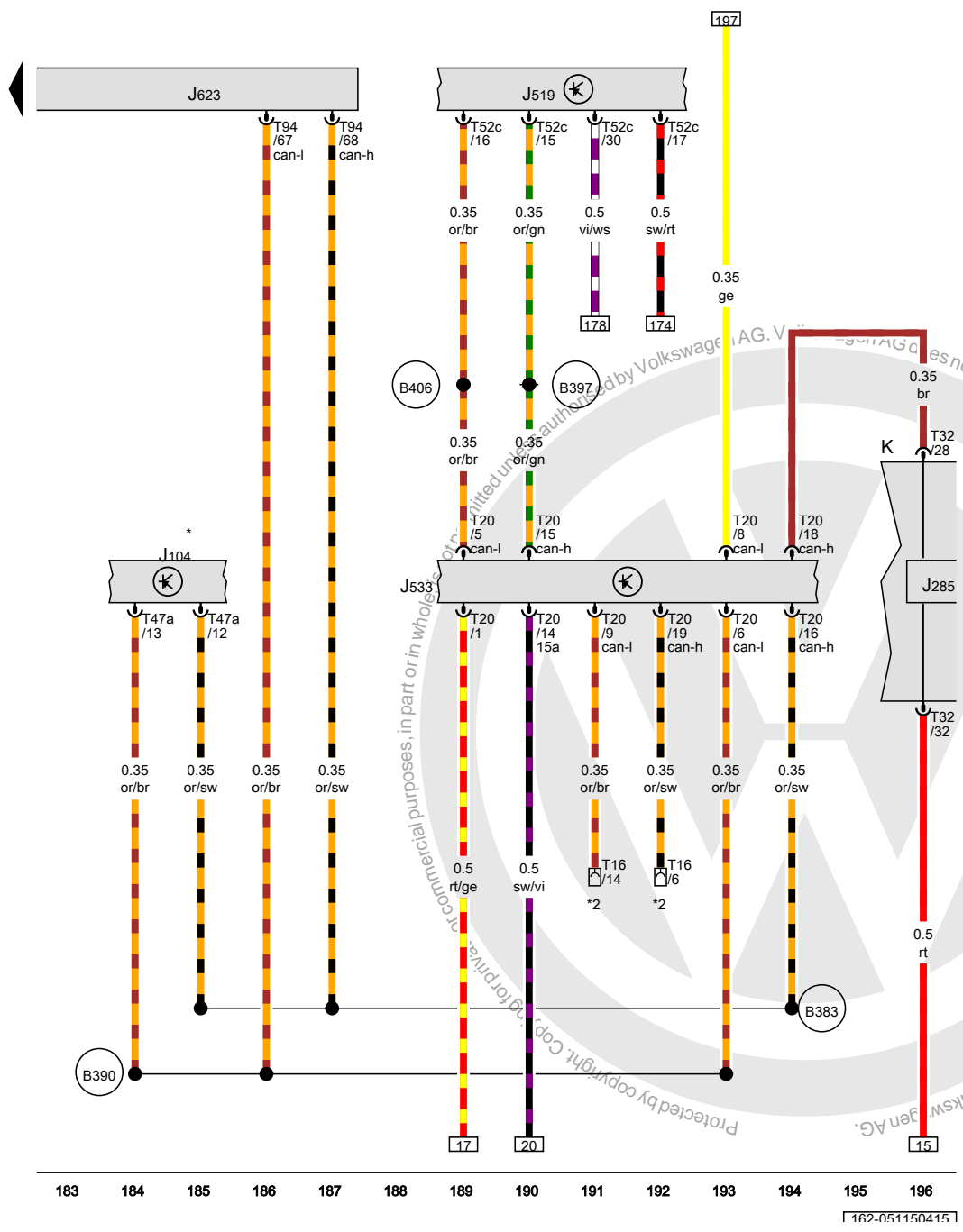
Brake light switch, Air mass meter, Clutch position sender, Engine control unit, Fuel system diagnostic pump



- F Brake light switch
- G70 Air mass meter
- G476 Clutch position sender
- J623 Engine control unit
- T4al 4-pin connector
- T4dp 4-pin connector
- T5d 5-pin connector
- T5m 5-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump
- 389 Earth connection 24, in main wiring harness
- B131 Connection (54), in interior wiring harness
- D109 Connection 7 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 According to equipment
- *3 gradual introduction

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ws = white
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 vi = purple
 ge = yellow
 or = orange
 rs = pink

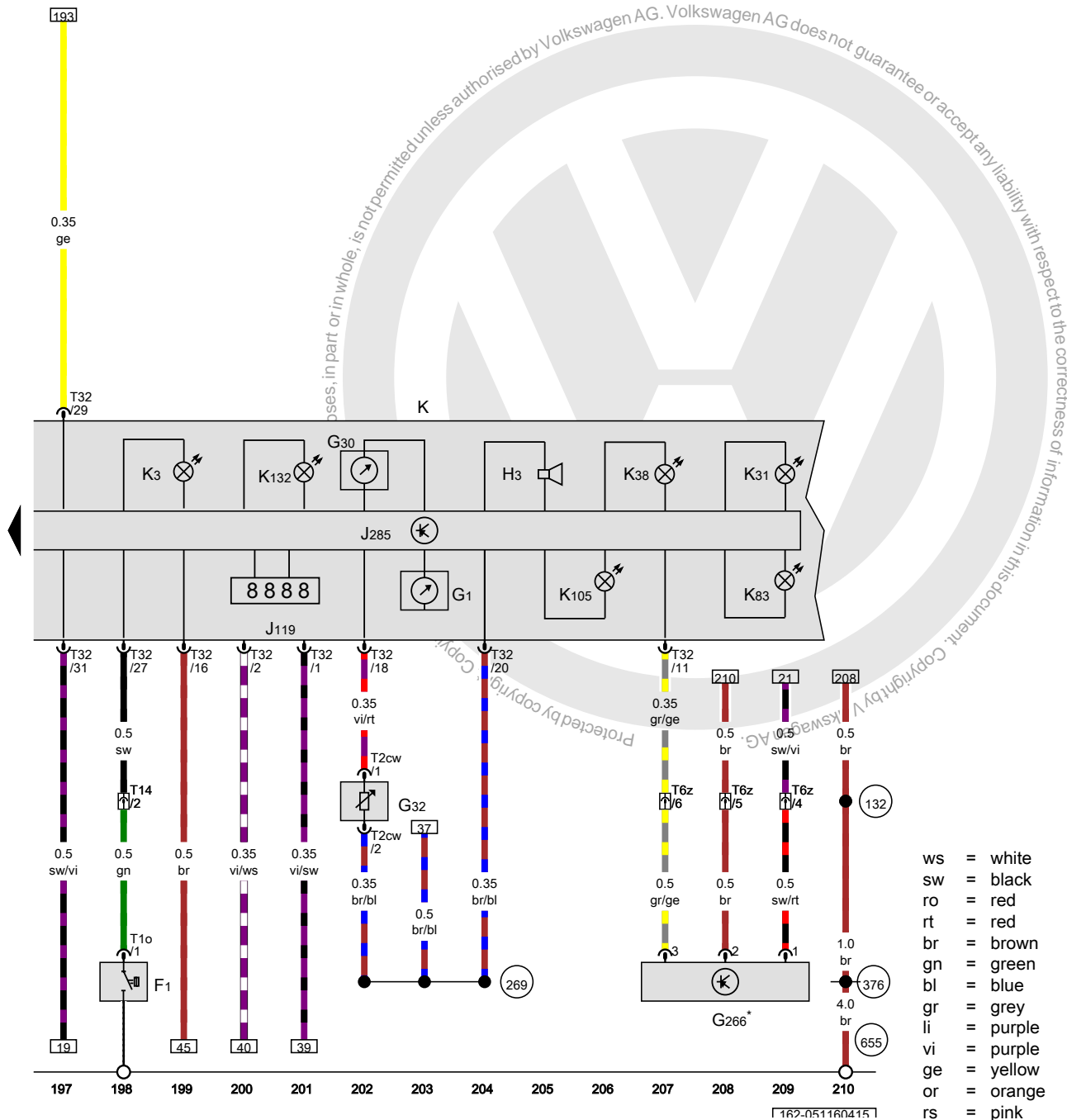


Data bus diagnostic interface, Engine control unit, Dash panel insert

- J104 ABS control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- K Dash panel insert
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T47a 47-pin connector
- T52c 52-pin connector
- T94 94-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Diagnostic connection

- ws = white
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- ro = red
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- bl = blue
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- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Oil pressure switch, Fuel gauge, Charge air pressure gauge, Buzzer and gong, Dash panel insert, Oil pressure warning lamp, Cruise control system warning lamp, Oil level warning lamp, Exhaust emissions warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G30 Charge air pressure gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T1o Single connector
- T2cw 2-pin connector
- T6z 6-pin connector
- T14 14-pin connector
- T32 32-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- * Only models with extended servicing intervals (ESI)

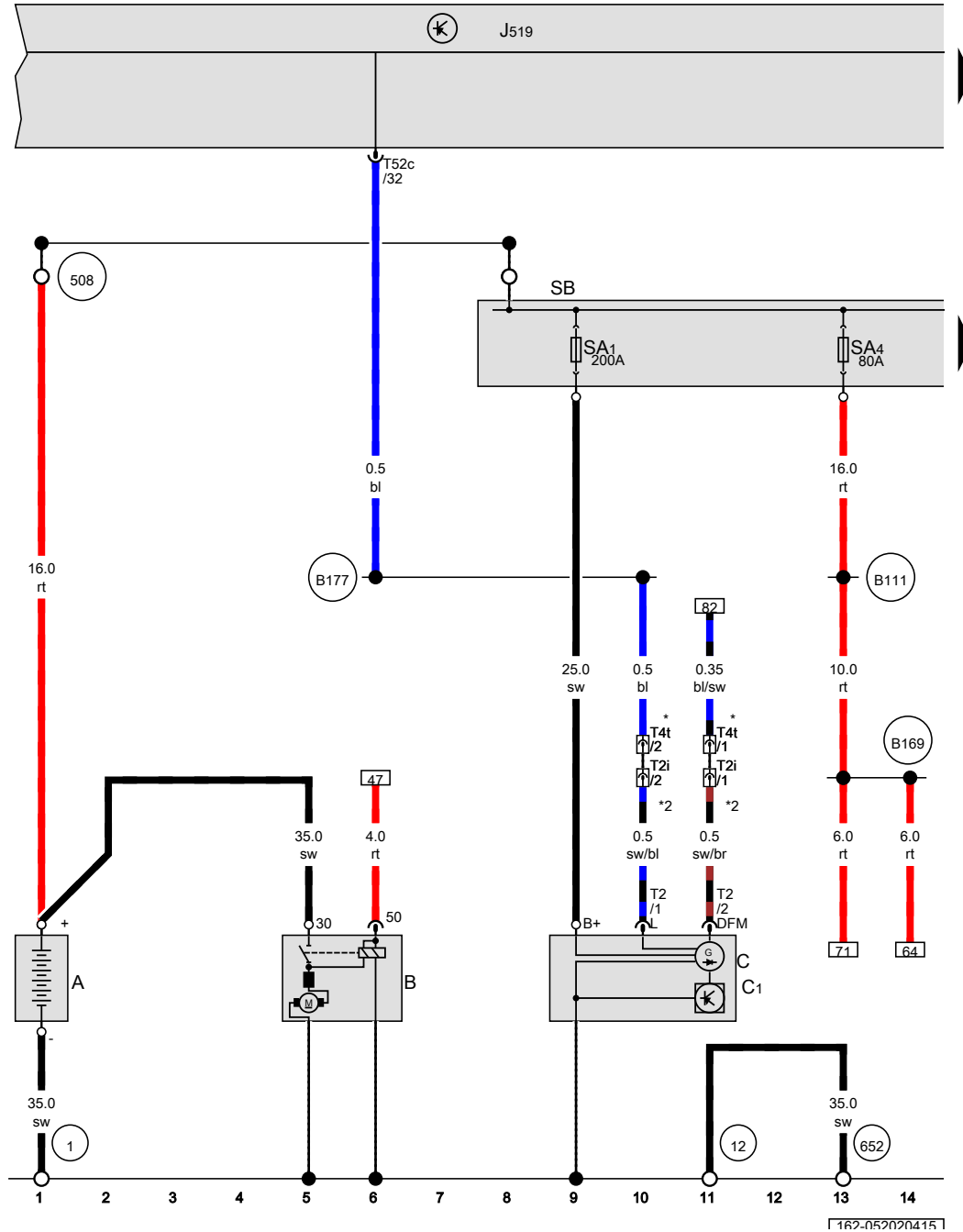
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-051160415]

1.4l petrol engine , CAVA,CAVD,(AW1)

From April 2011





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

* Only models with air conditioning system
 *2 Only models with no air conditioning system

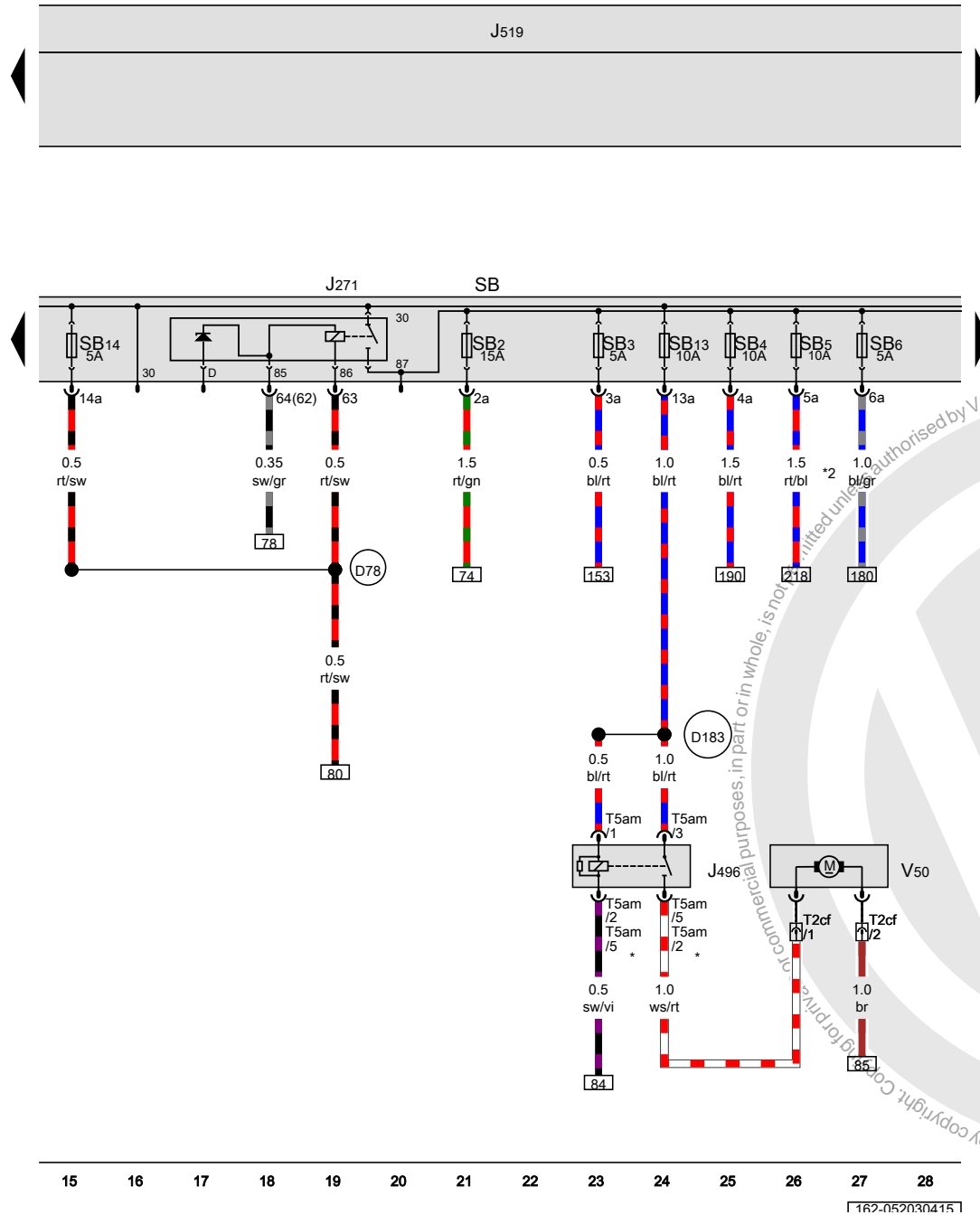
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-052020415

Main relay, Additional coolant pump relay, Onboard supply control unit, Fuse holder B, Coolant circulation pump

- J271 Main relay
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T2cf 2-pin connector
- T5am 5-pin connector
- V50 Coolant circulation pump

- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * gradual introduction
- *2 According to equipment

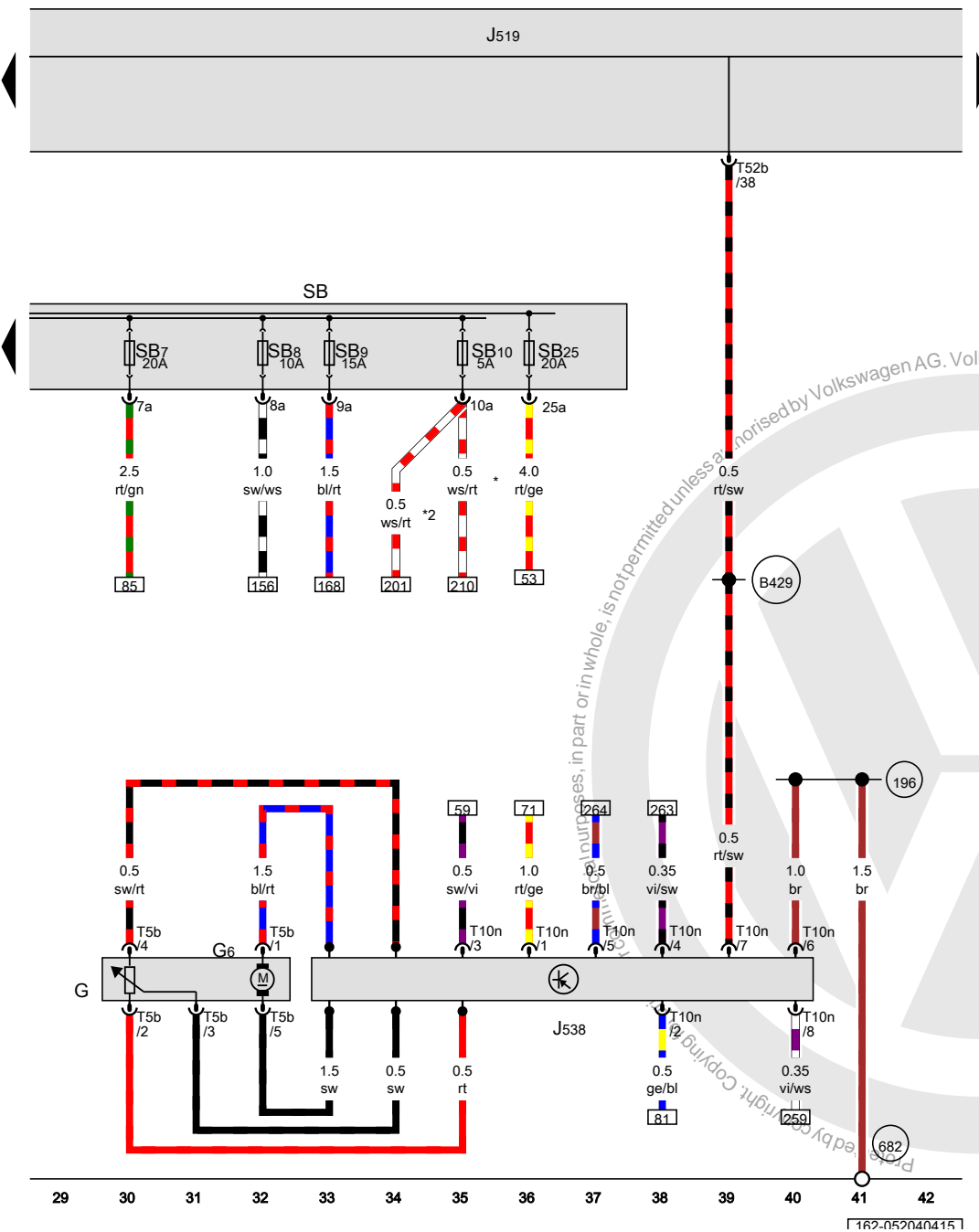


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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Onboard supply control unit, Fuel pump control unit, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B429 Connection (EFPR), in main wiring harness
- * Gradually discontinued gradual introduction
- *2



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

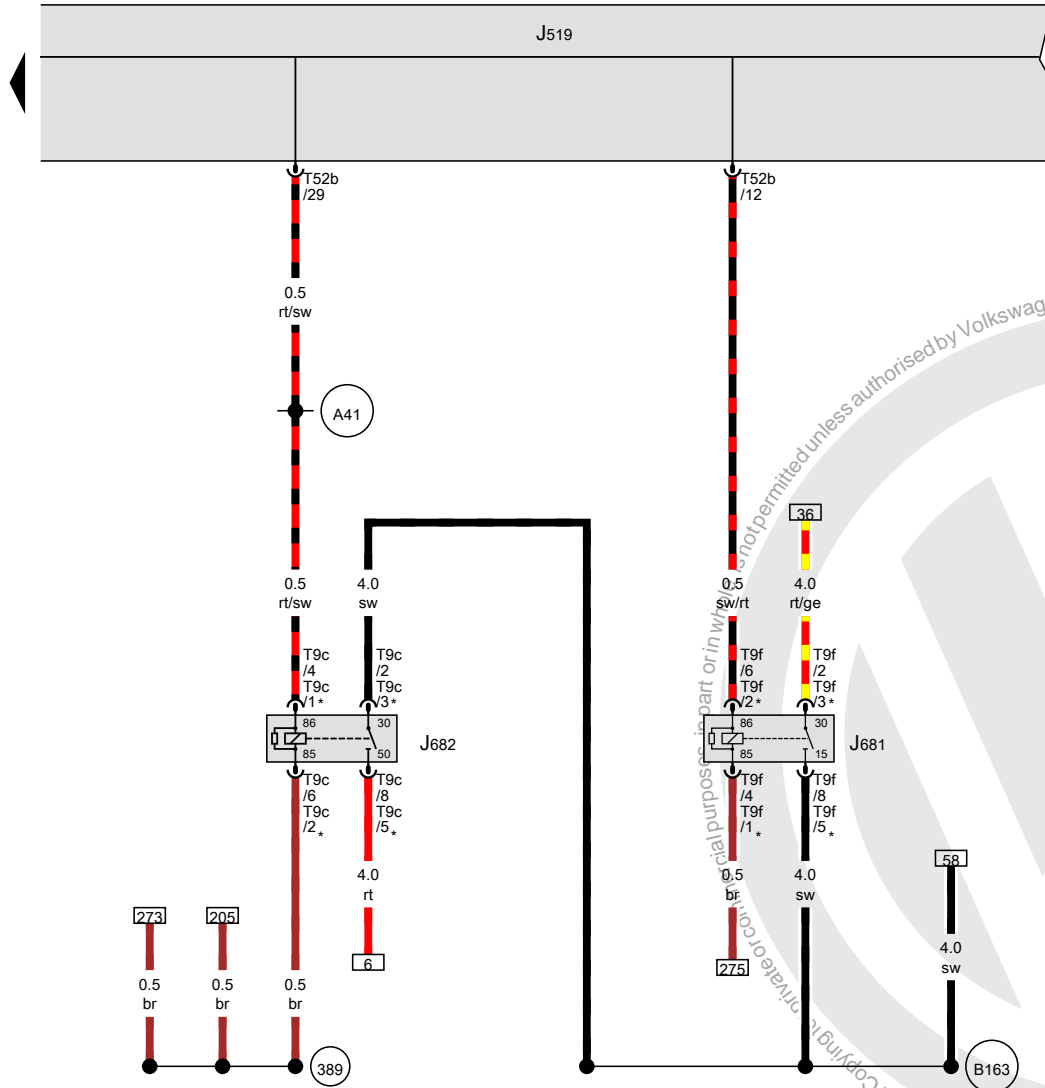
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162-052040415

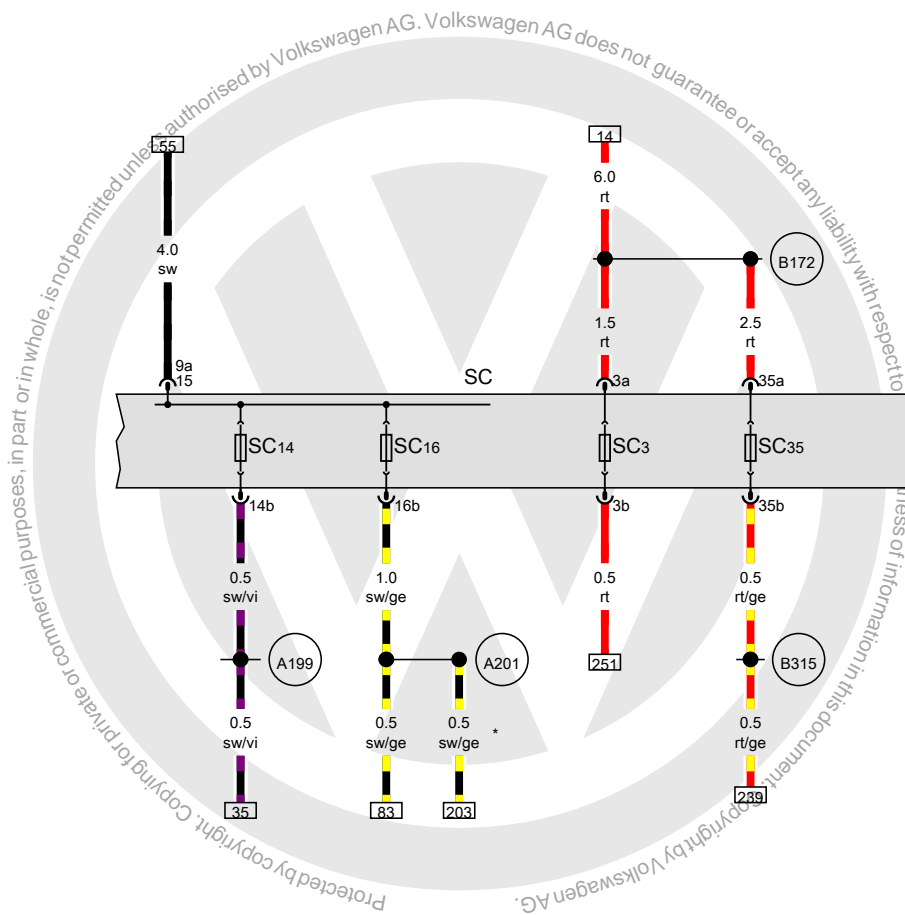
Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuse holder C

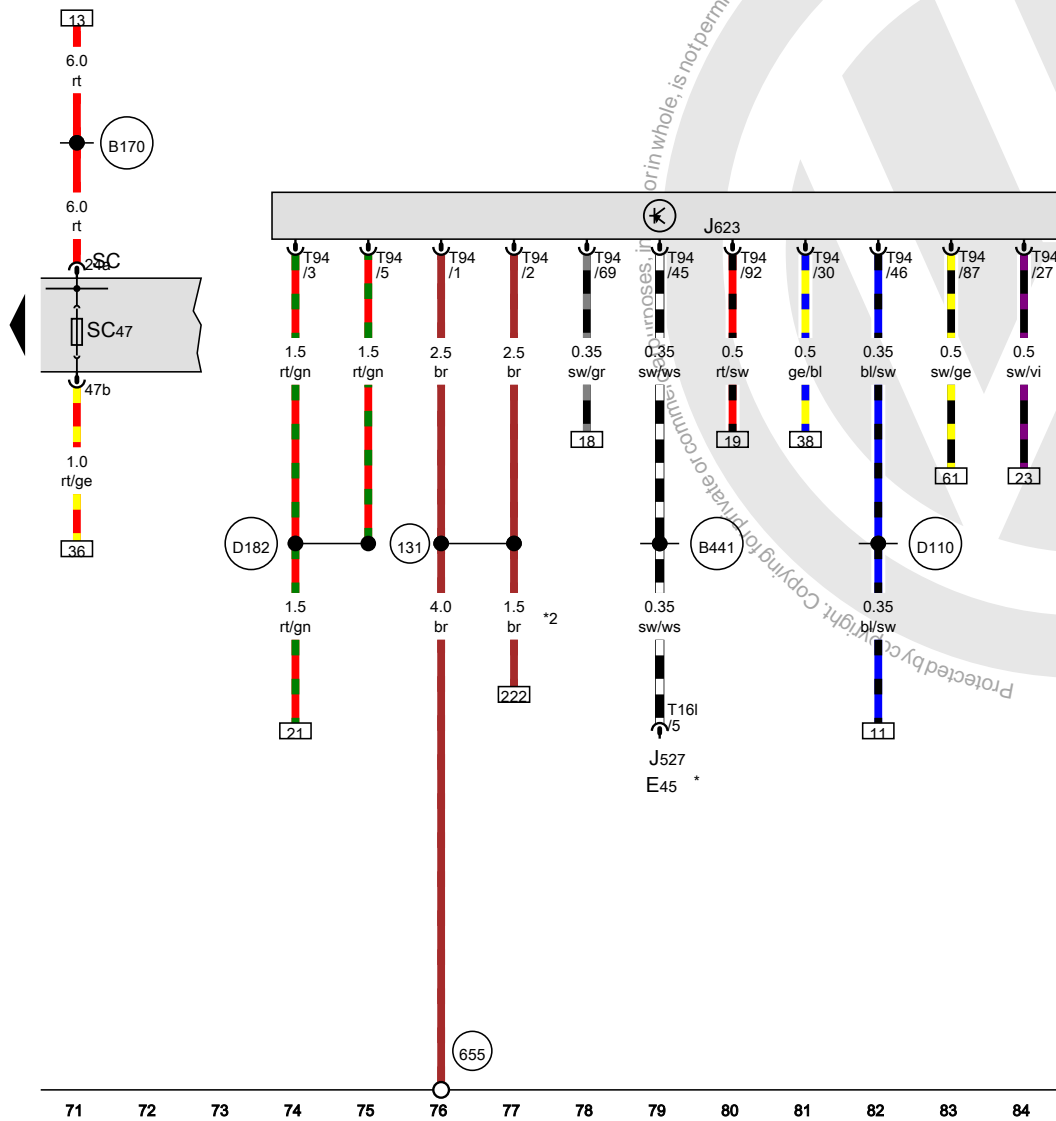
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Fuse holder C

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T16l 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B170 Positive connection 2 (30), in interior wiring harness
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment



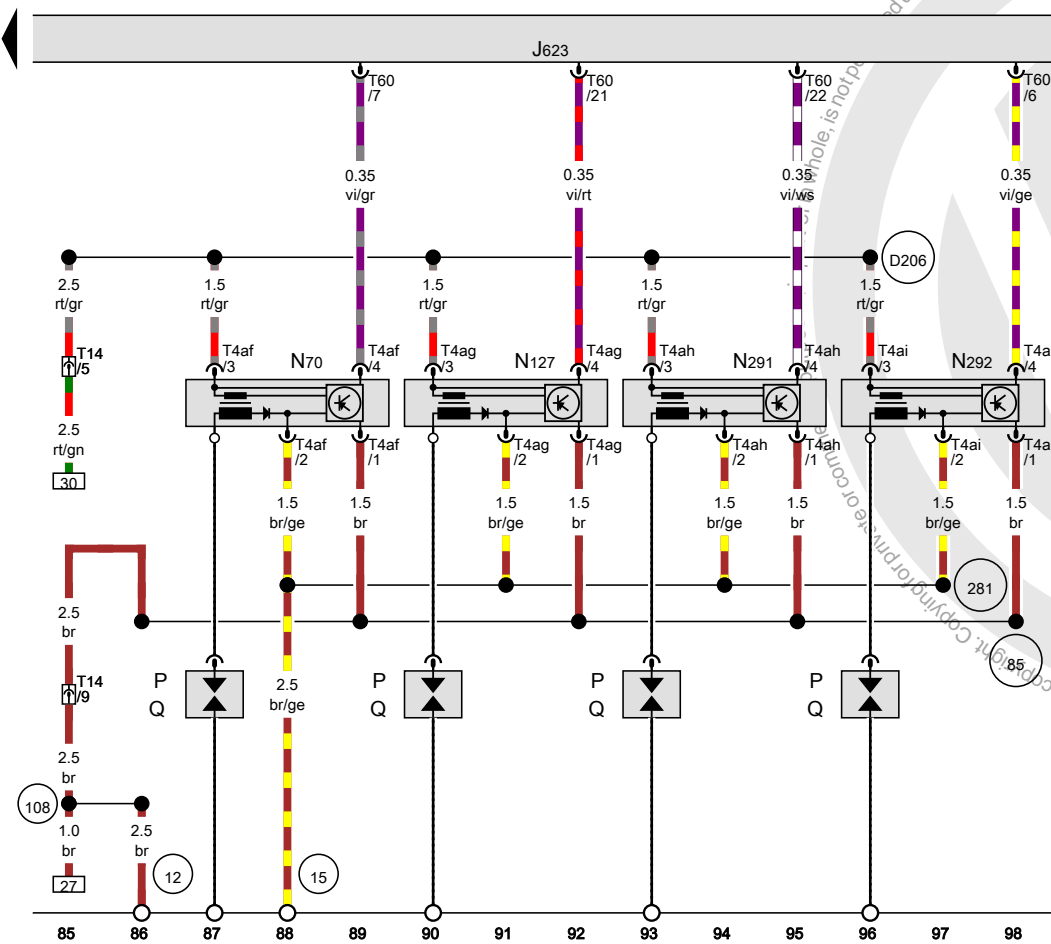
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-052070415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit, central in plenum chamber
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

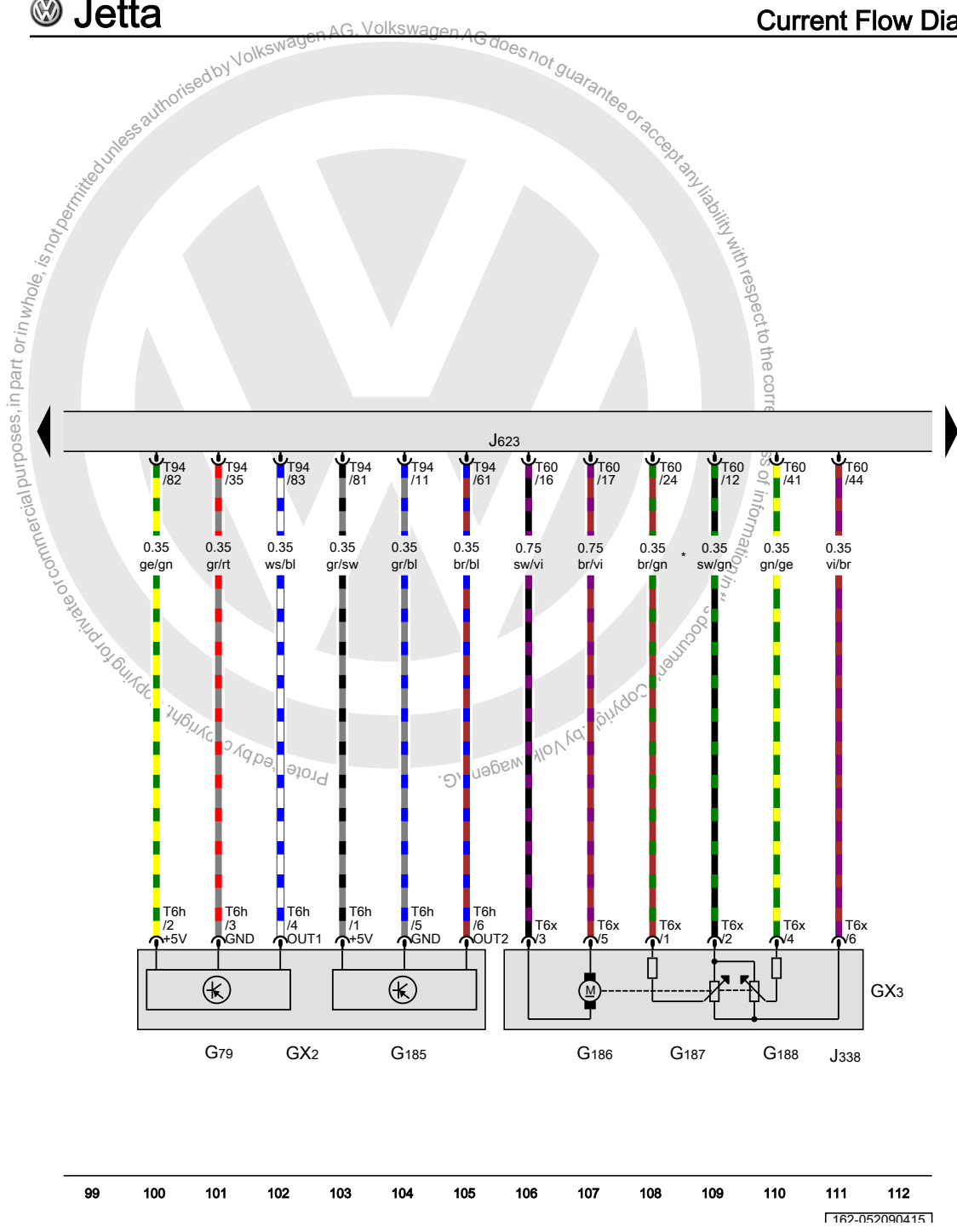


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-052080415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit, central in plenum chamber
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

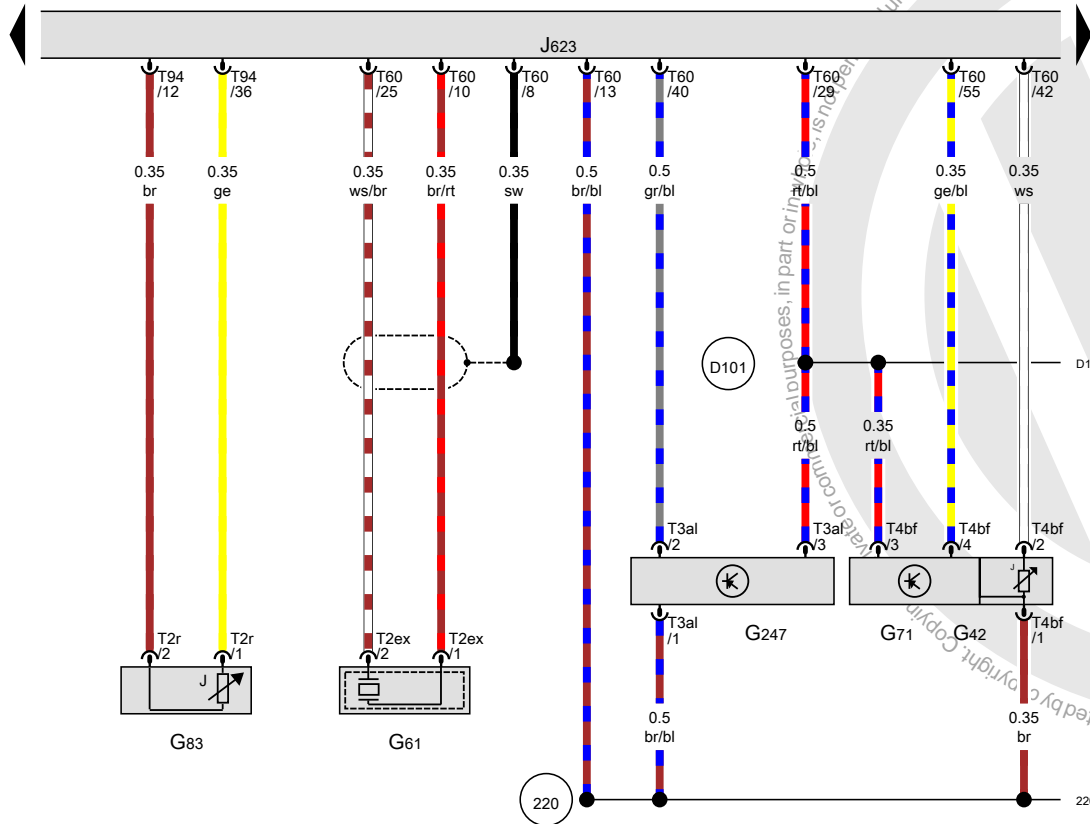
99 100 101 102 103 104 105 106 107 108 109 110 111 112

162-052090415

Intake air temperature sender, Knock sensor 1, Intake manifold pressure sender, Radiator outlet coolant temperature sender, Fuel pressure sender, Engine control unit

- G42 Intake air temperature sender
- G61 Knock sensor 1
- G71 Intake manifold pressure sender
- G83 Radiator outlet coolant temperature sender
- G247 Fuel pressure sender
- J623 Engine control unit, central in plenum chamber
- T2ex 2-pin connector
- T2r 2-pin connector
- T3al 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

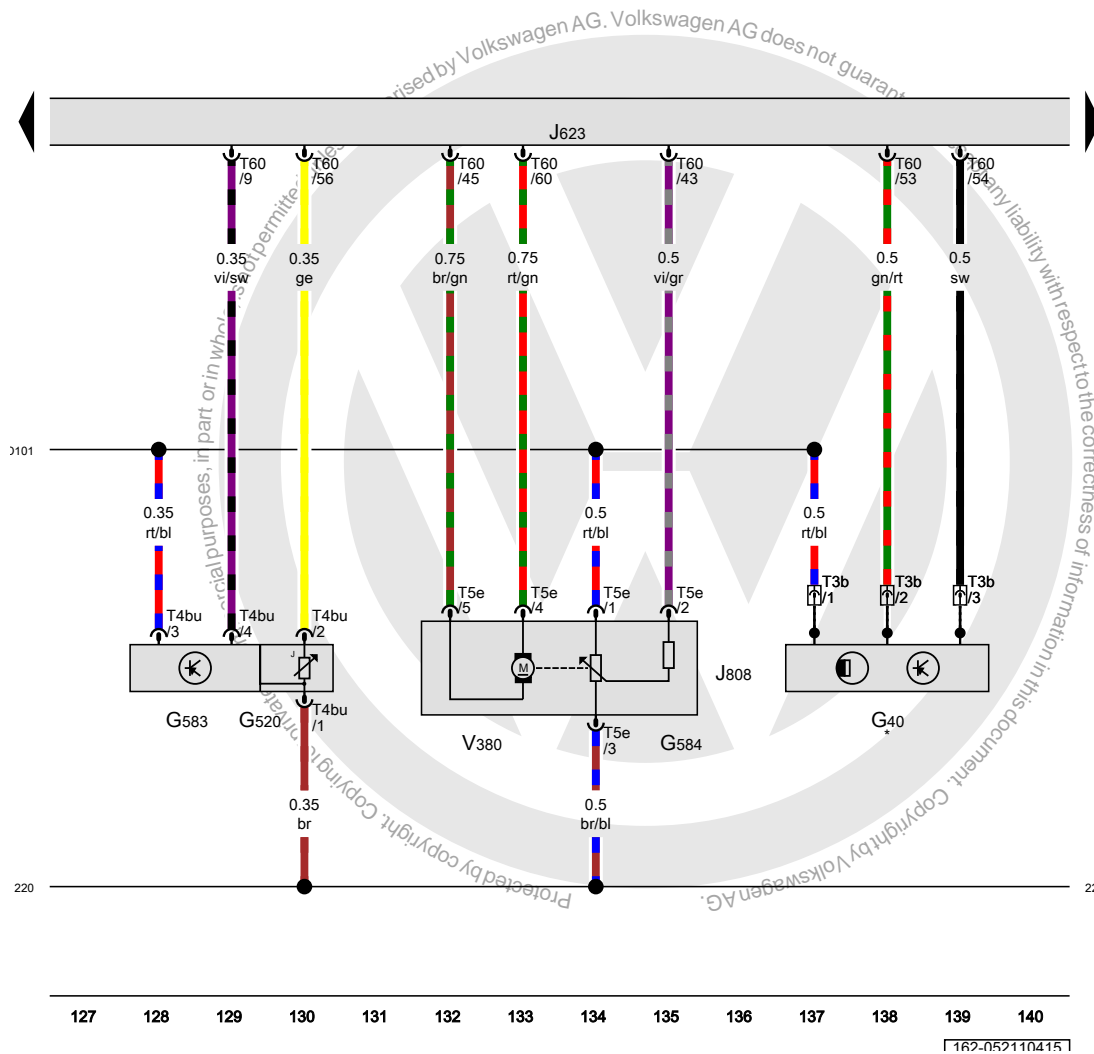


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Hall sender, Intake air temperature sender 3, Intake manifold pressure sender 3, Regulating flap potentiometer, Engine control unit, Regulating flap control unit, Regulating flap position control motor

- G40 Hall sender
- G520 Intake air temperature sender 3
- G583 Intake manifold pressure sender 3
- G584 Regulating flap potentiometer
- J623 Engine control unit, central in plenum chamber
- J808 Regulating flap control unit
- T3b 3-pin connector
- T4bu 4-pin connector
- T5e 5-pin connector
- T60 60-pin connector
- V380 Regulating flap position control motor

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * Camshaft sender - inlet valves



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-052110415

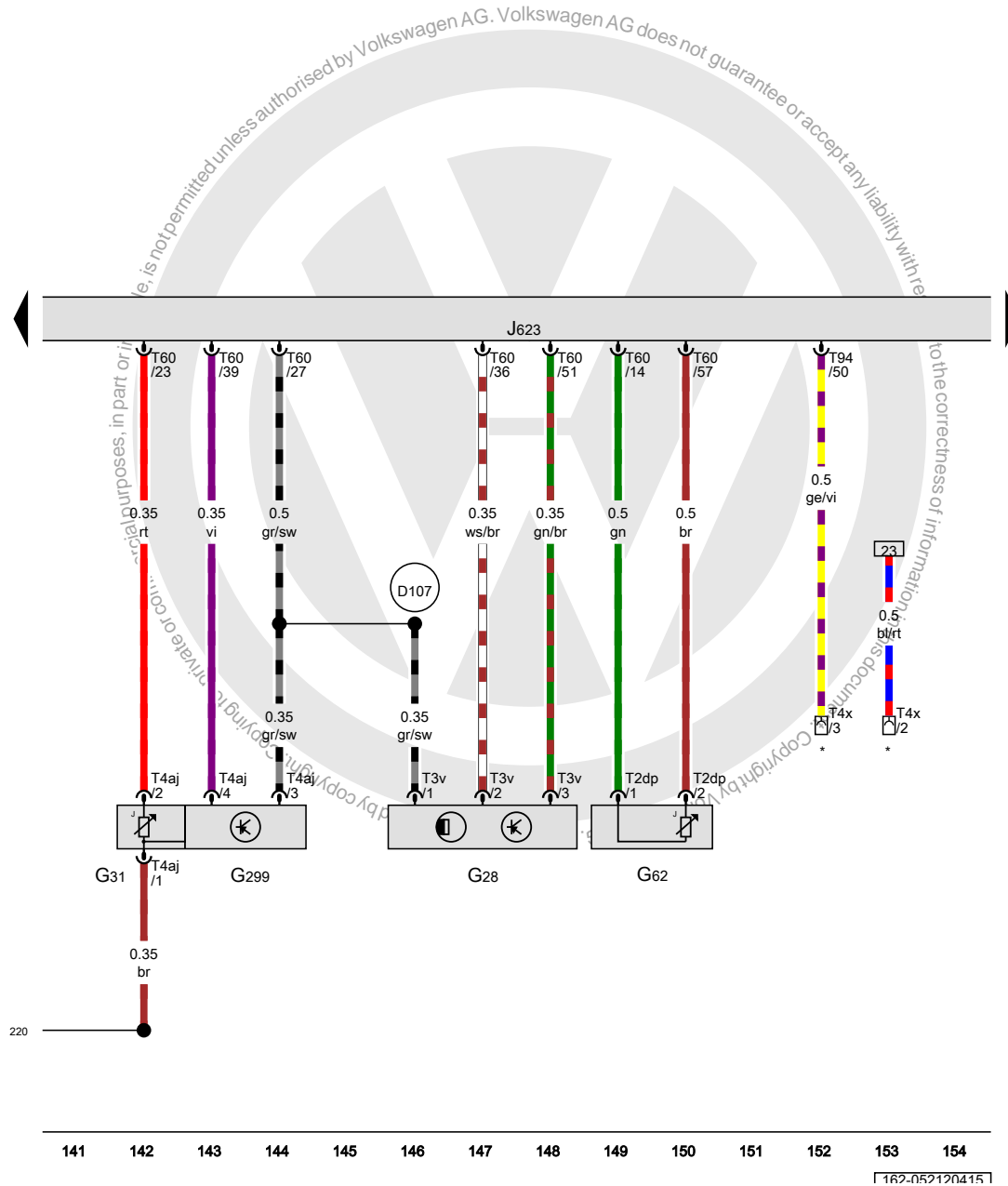
Engine speed sender, Charge pressure sender, Intake air temperature sender 2, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G62 Coolant temperature sender
- G299 Intake air temperature sender 2
- J623 Engine control unit, central in plenum chamber
- T2dp 2-pin connector
- T3v 3-pin connector
- T4aj 4-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

D107 Connection 5 in engine compartment wiring harness

* Radiator fan connection



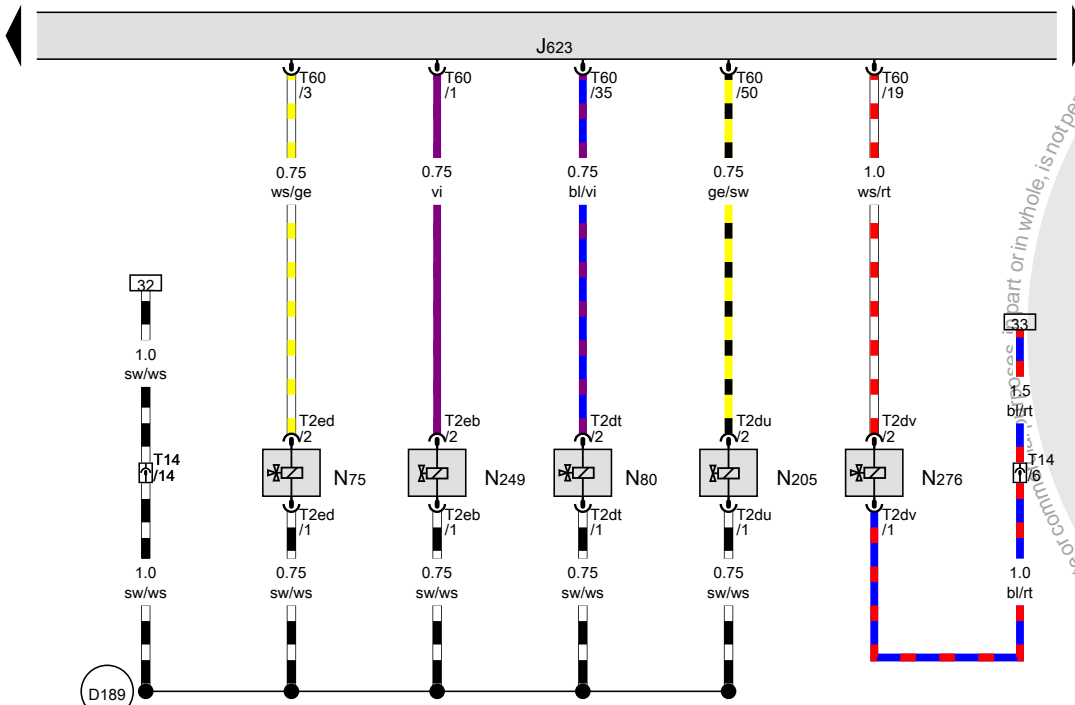
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-052120415

Engine control unit

- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

D189 Connection (87a) in engine prewiring harness



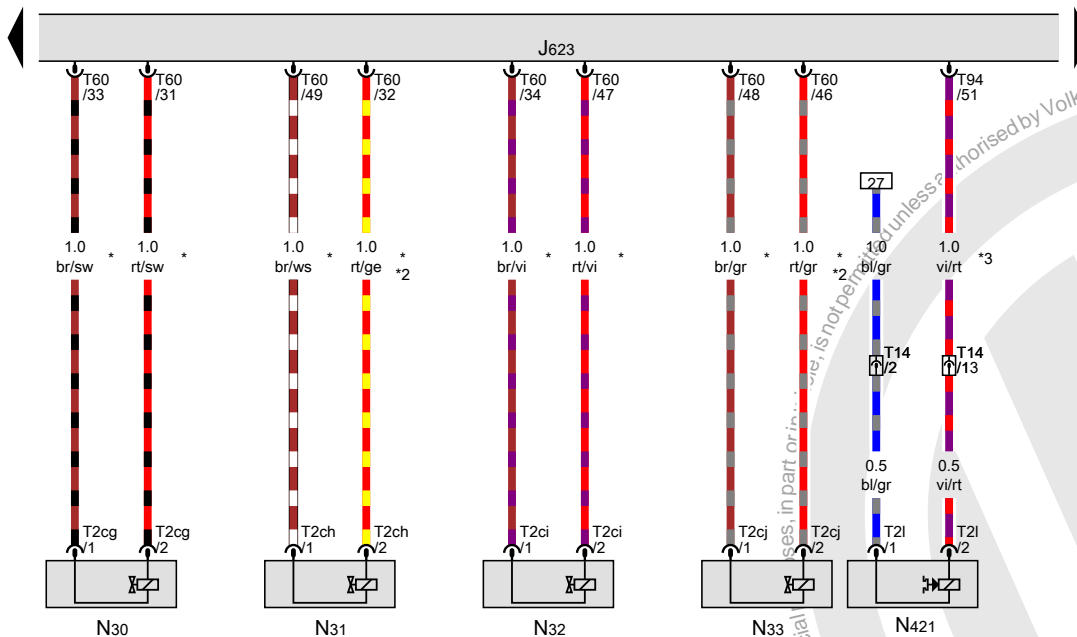
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155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-052130415

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

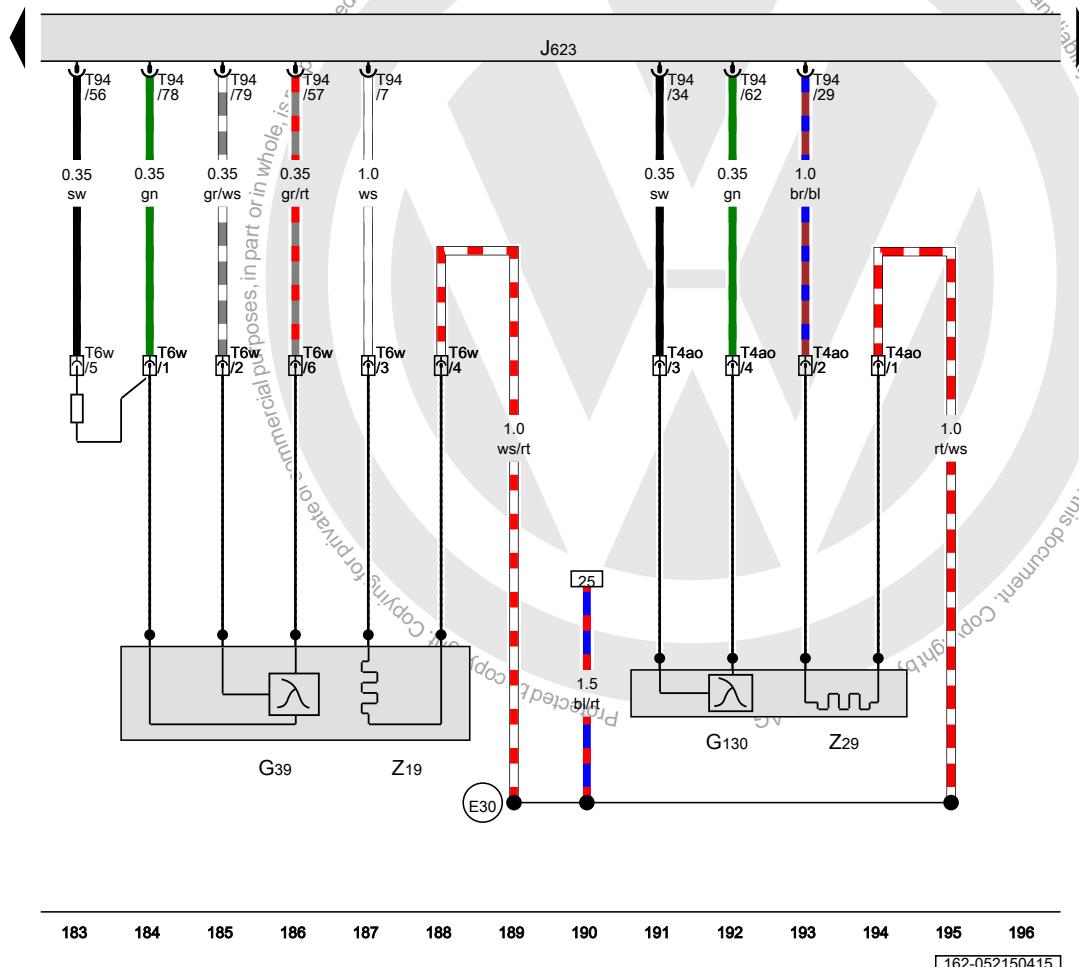
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N421 Magnetic clutch for supercharger
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2l 2-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Cross-section 1.5 possible
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment



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Lambda probe, Lambda probe after catalytic converter, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit, central in plenum chamber
- T4ao 4-pin connector, near Lambda probe
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



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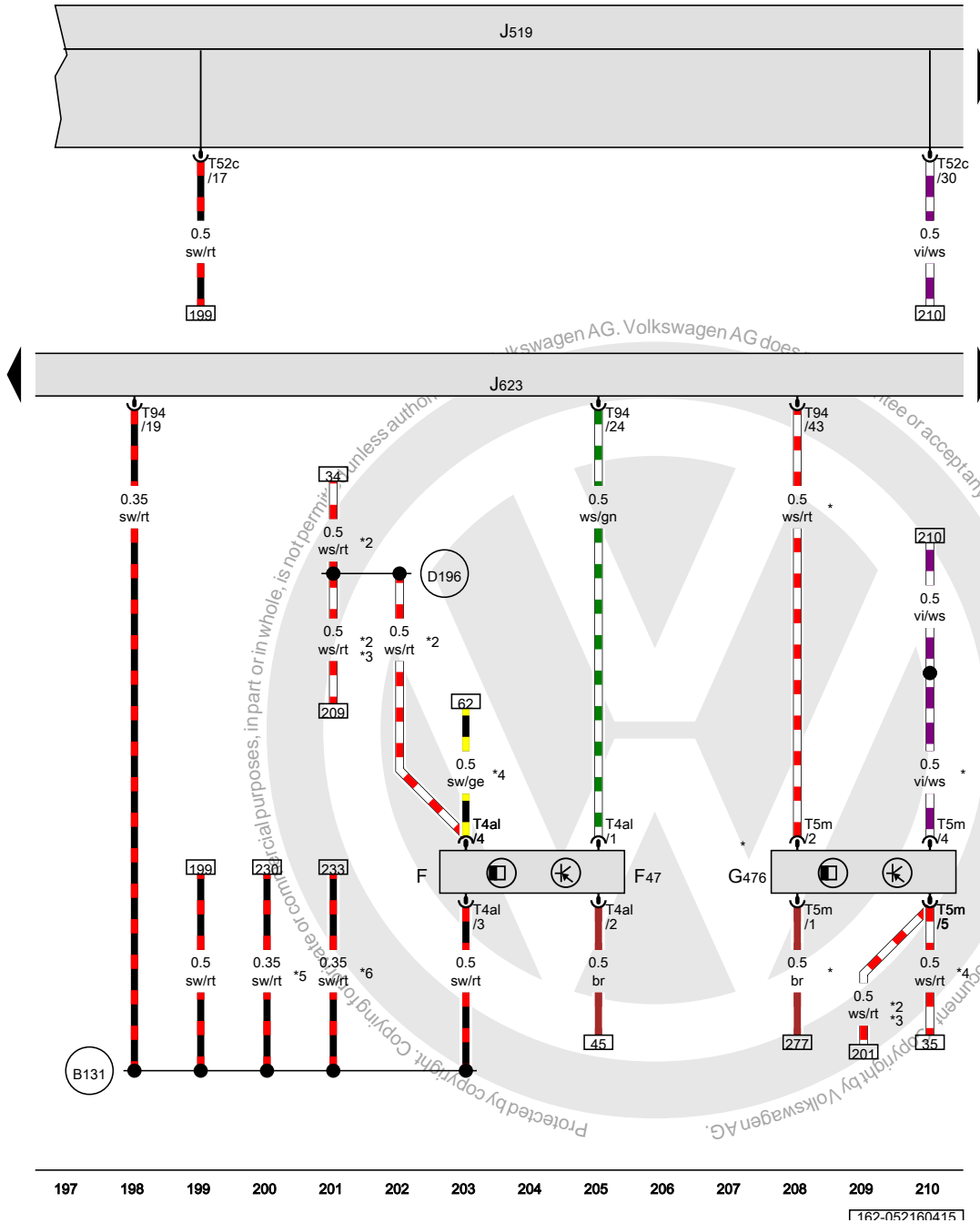
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

D196 Connection 2 (87a) in engine prewiring harness

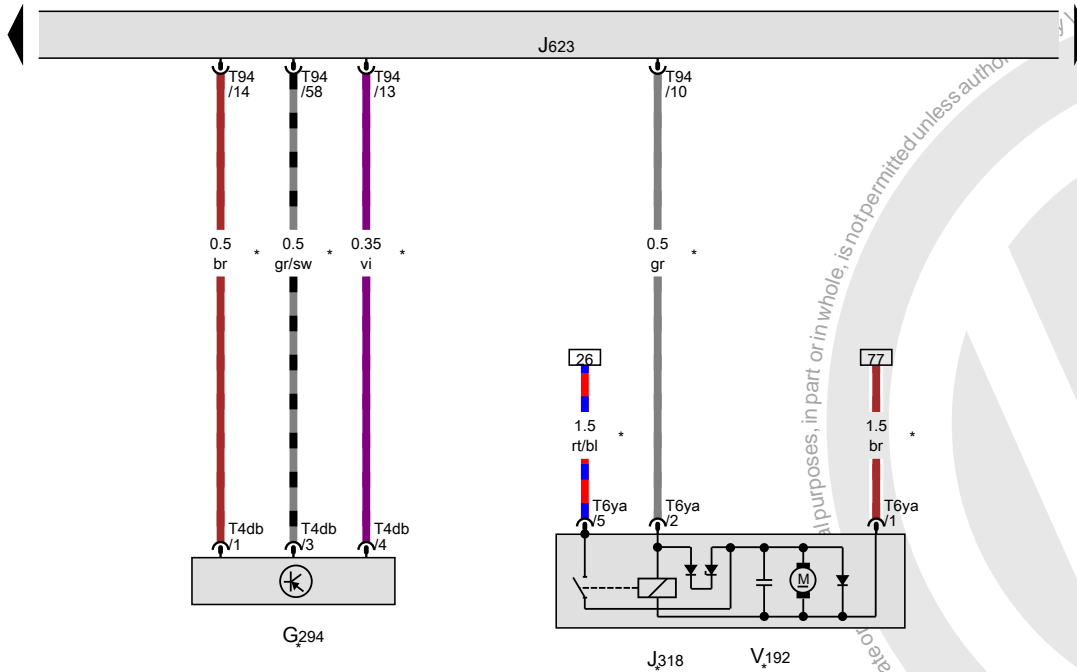
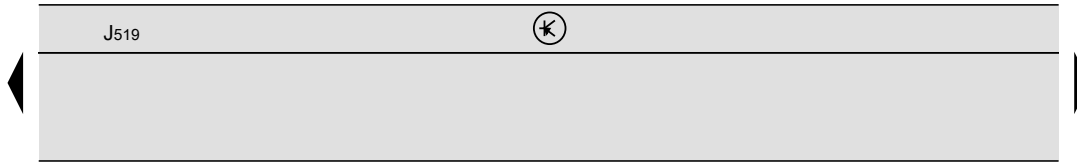
- * Only models with manual gearbox
- *2 gradual introduction
- *3 According to equipment
- *4 Gradually discontinued
- *5 Only models with ABS and no ESP
- *6 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)



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Brake servo pressure sensor, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4db 4-pin connector
- T6ya 6-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes
- * According to equipment



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Onboard supply control unit, Engine control unit

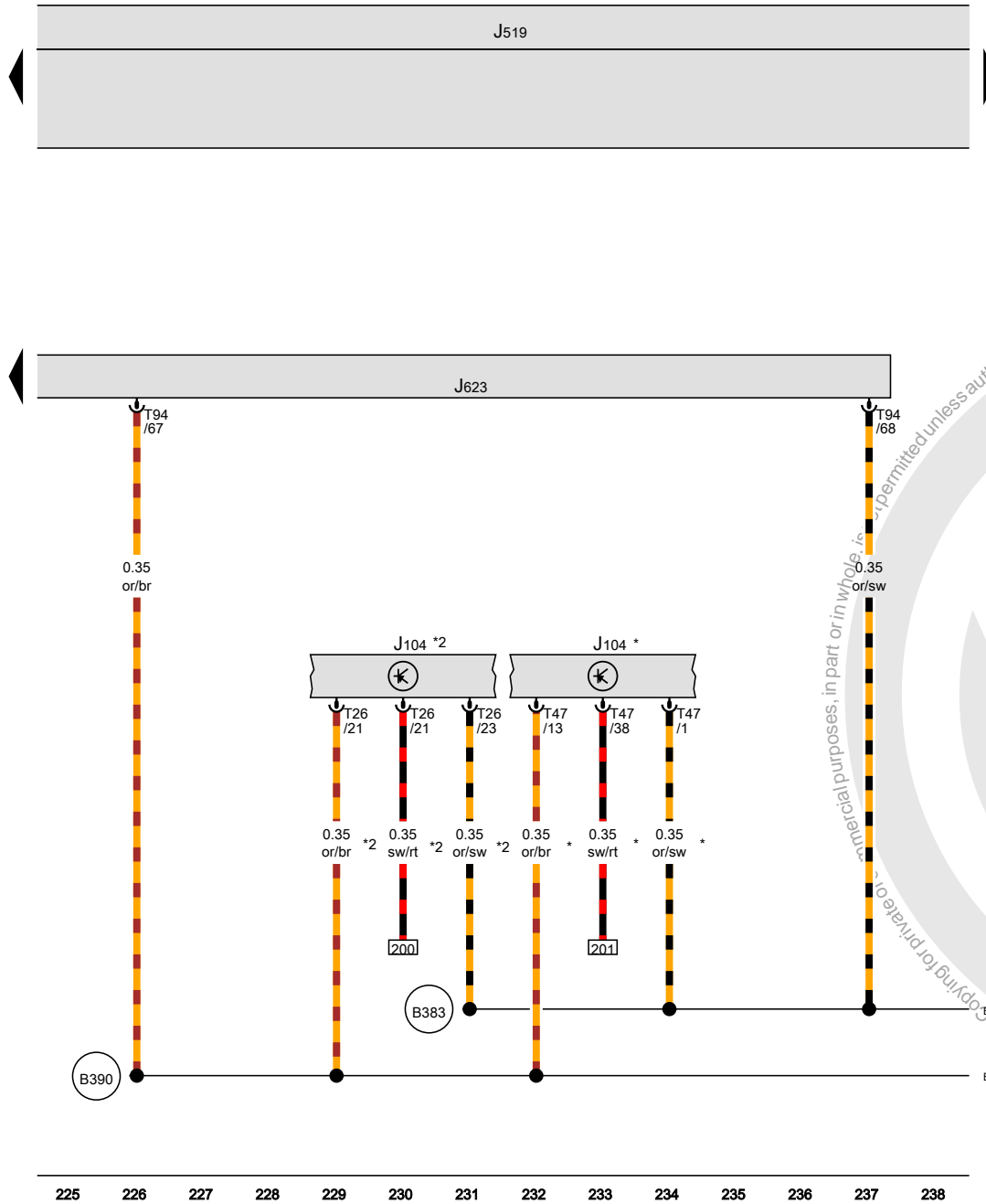
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

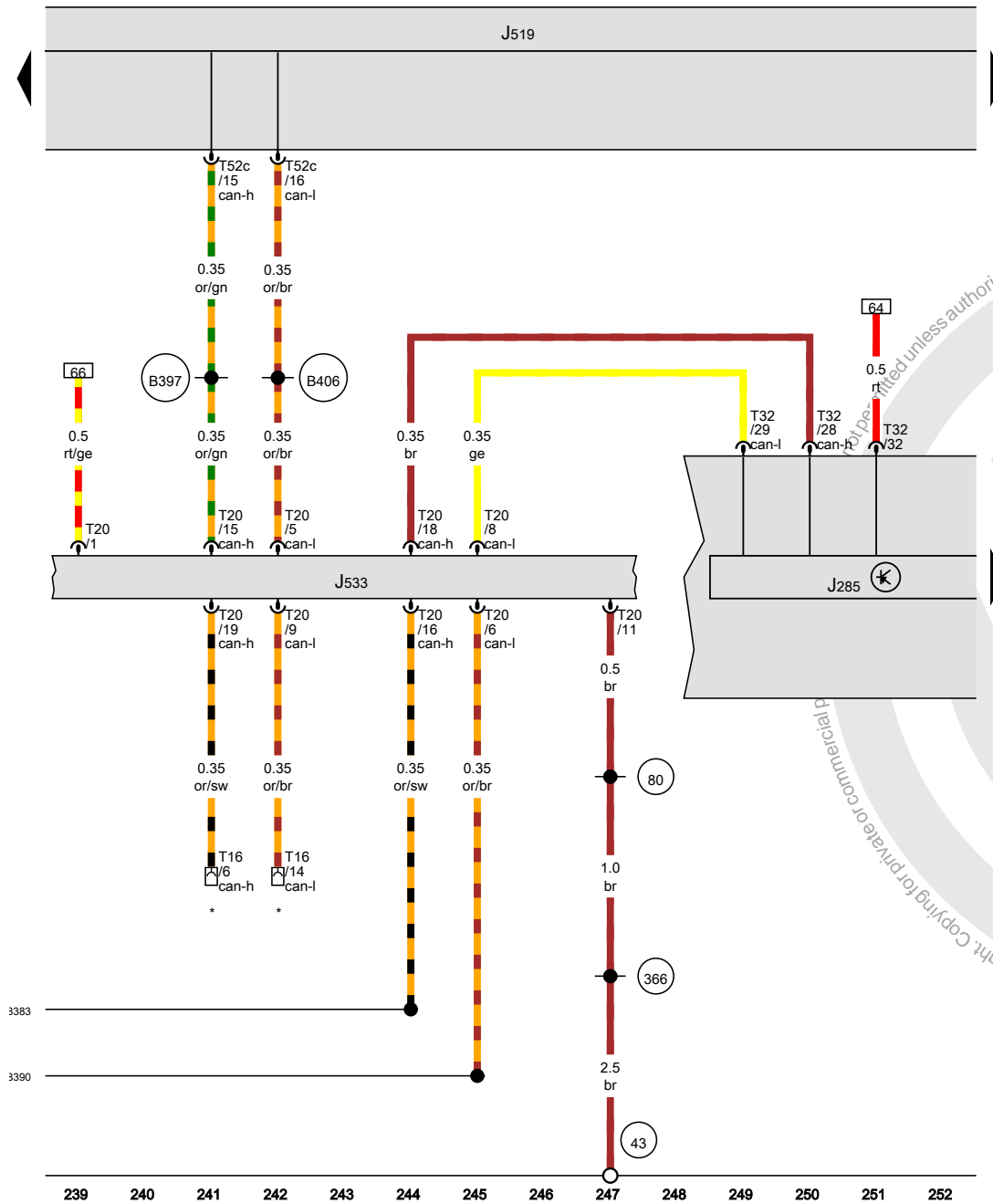
*2 Only models with ABS and no ESP



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225 226 227 228 229 230 231 232 233 234 235 236 237 238

[162-052180415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

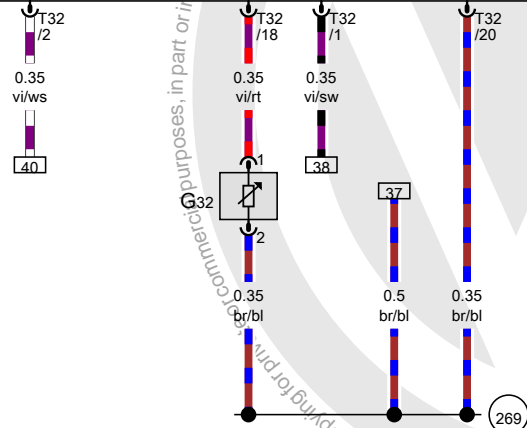
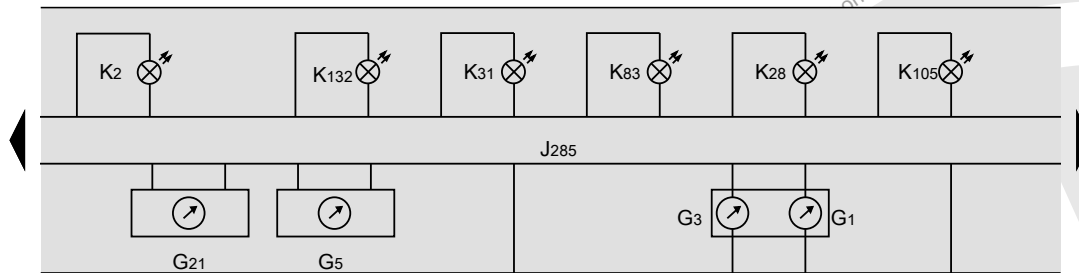
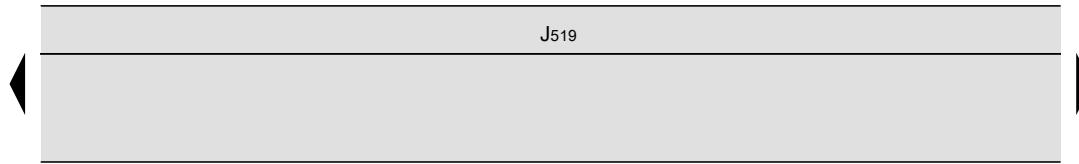
- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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- sw = black
- ro = red
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[162-052190415]

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness



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- vi = purple
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- or = orange
- rs = pink

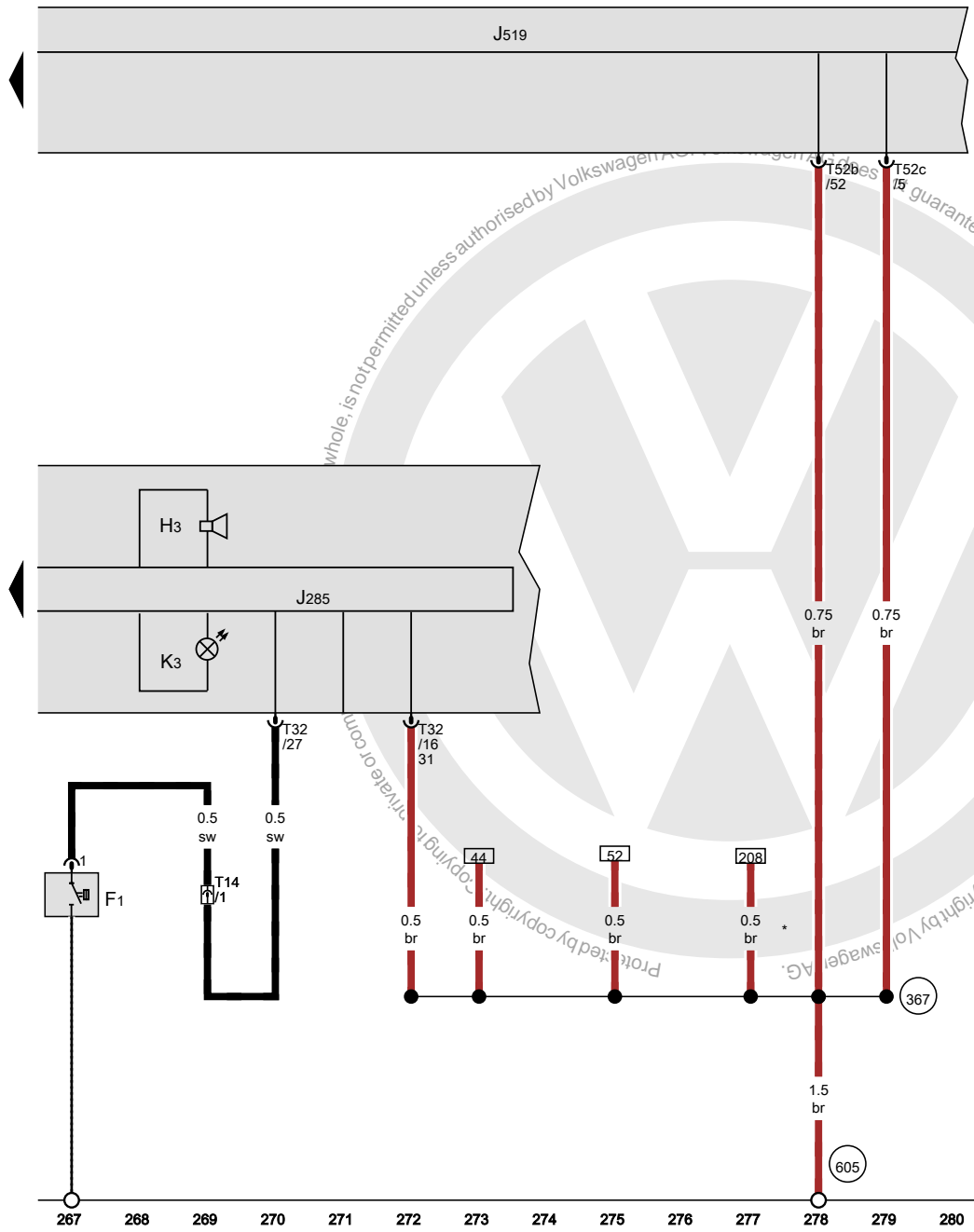
253 254 255 256 257 258 259 260 261 262 263 264 265 266

[162-052200415]

Oil pressure switch, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with manual gearbox



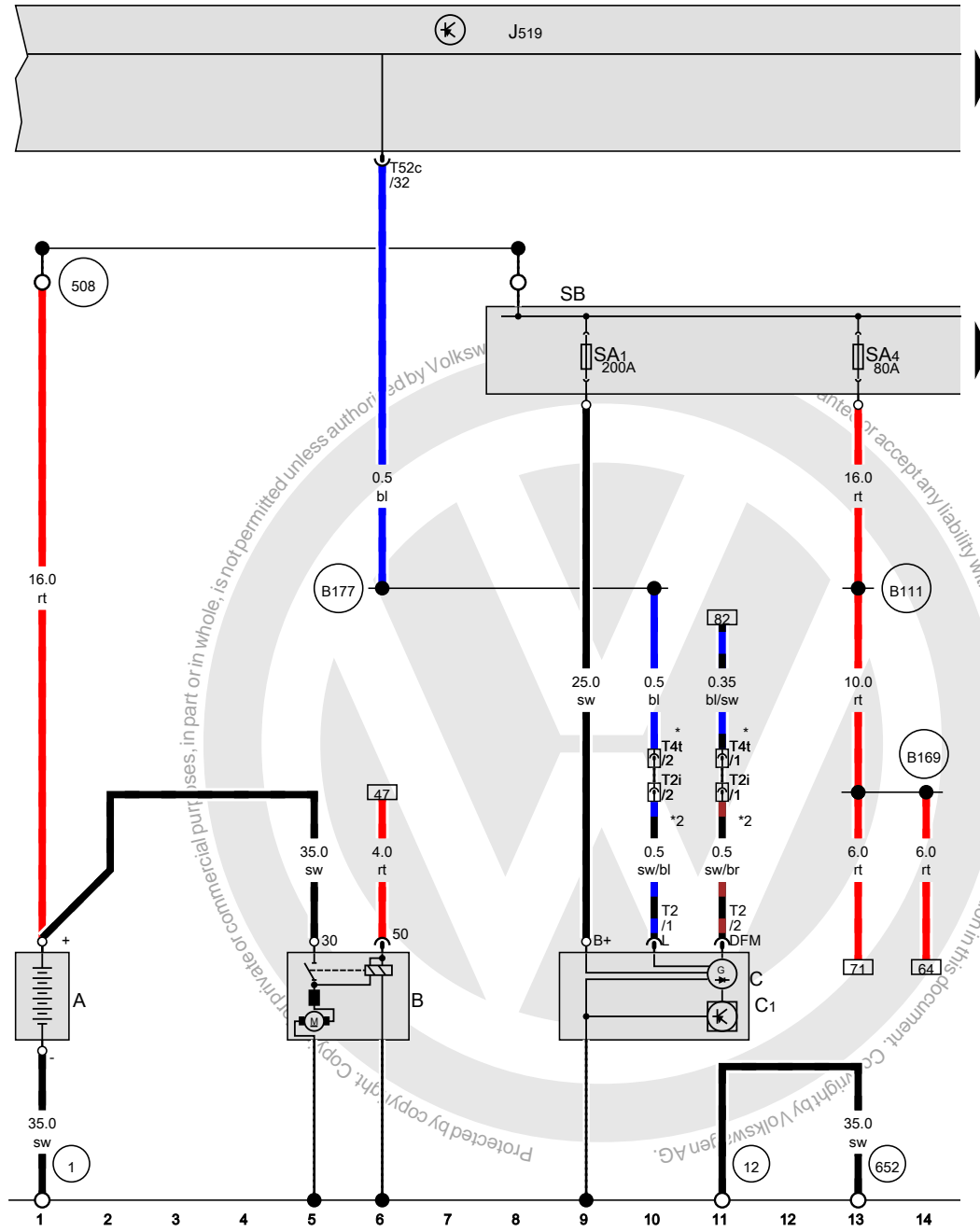
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162-052210415

1.4l petrol engine , CAXA

From June 2011





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system

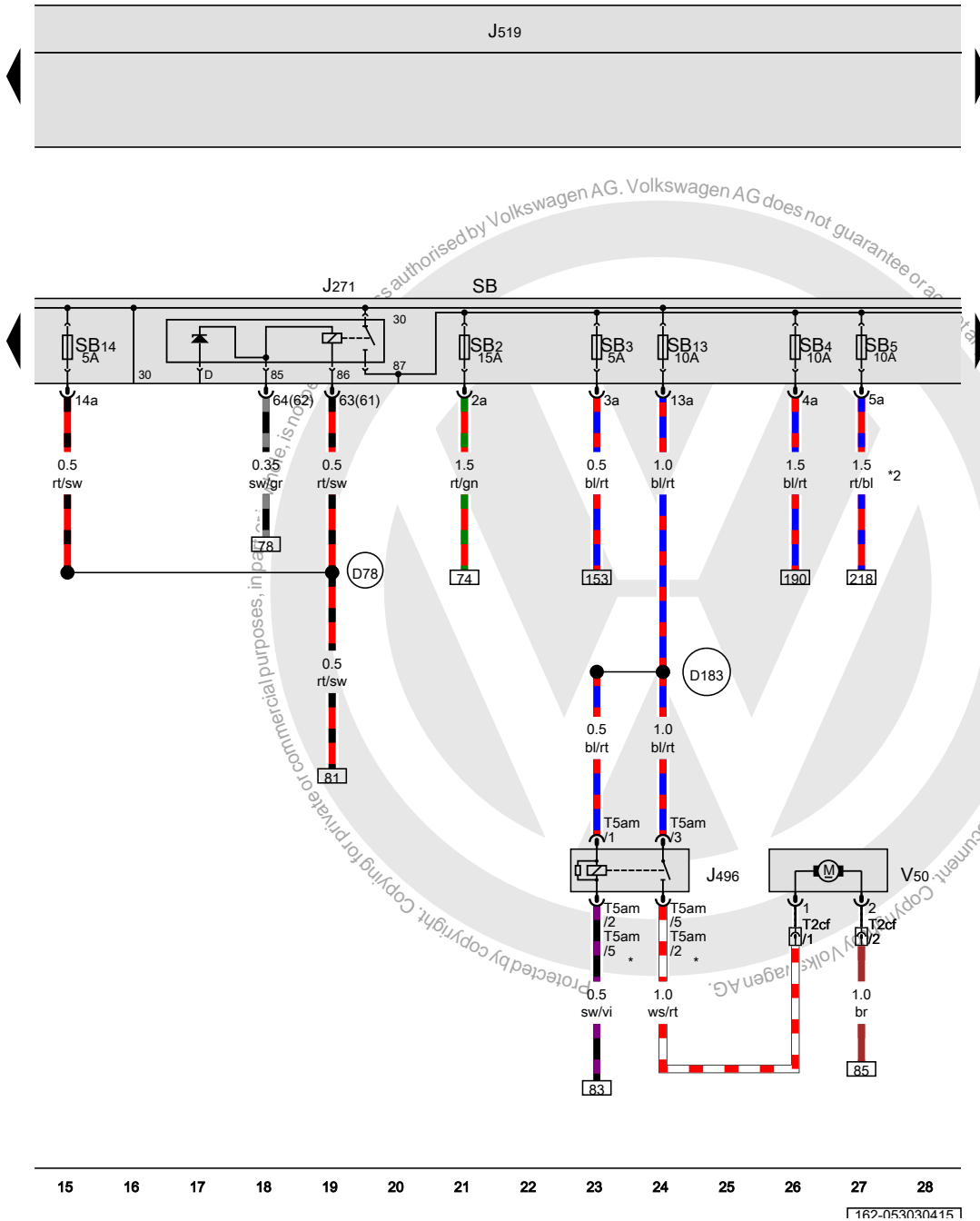
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162-053020415

Main relay, Additional coolant pump relay, Onboard supply control unit, Fuse holder B, Coolant circulation pump

- J271 Main relay
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T2cf 2-pin connector
- T5am 5-pin connector
- V50 Coolant circulation pump

- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- (D183) Connection 4 (87a) in engine compartment wiring harness
- * gradual introduction
- *2 According to equipment



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Fuel gauge sender, Fuel system pressurisation pump, Onboard supply control unit, Fuel pump control unit, Fuse holder B

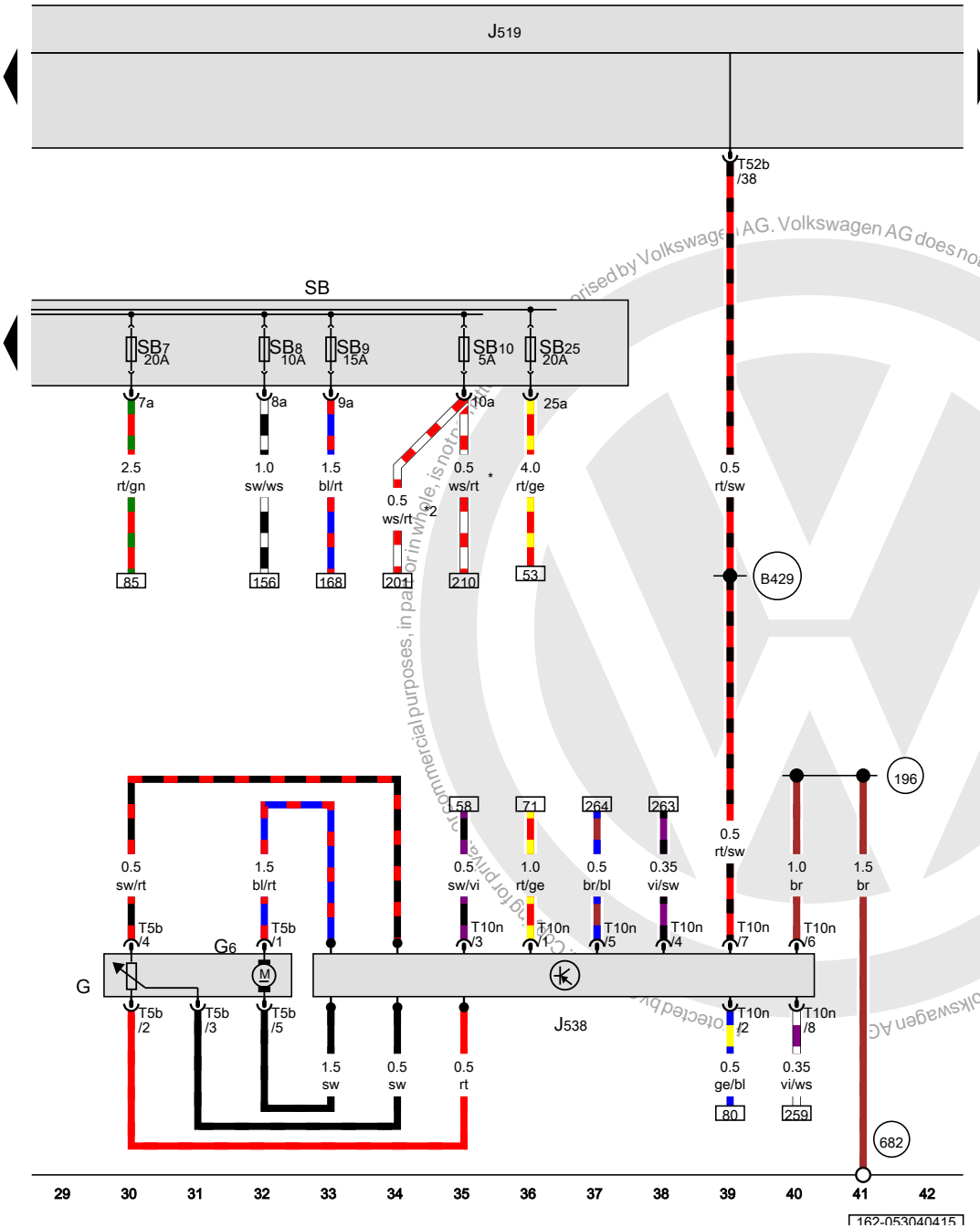
- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

196 Earth connection 3, in rear wiring harness

682 Earth point 2, in rear right side panel

B429 Connection (EFPR), in main wiring harness

* Only models with manual gearbox
*2 gradual introduction



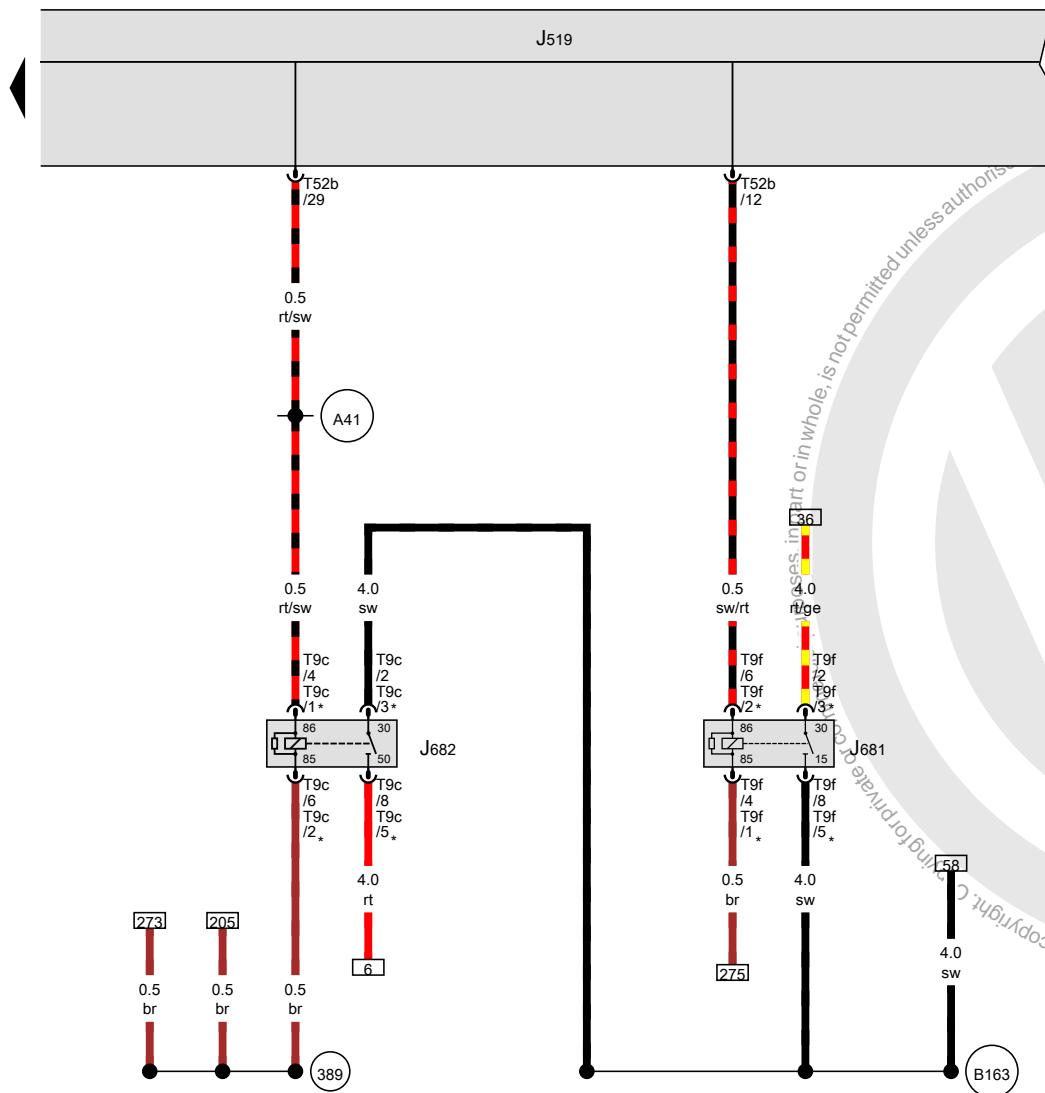
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-053040415

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * gradual introduction

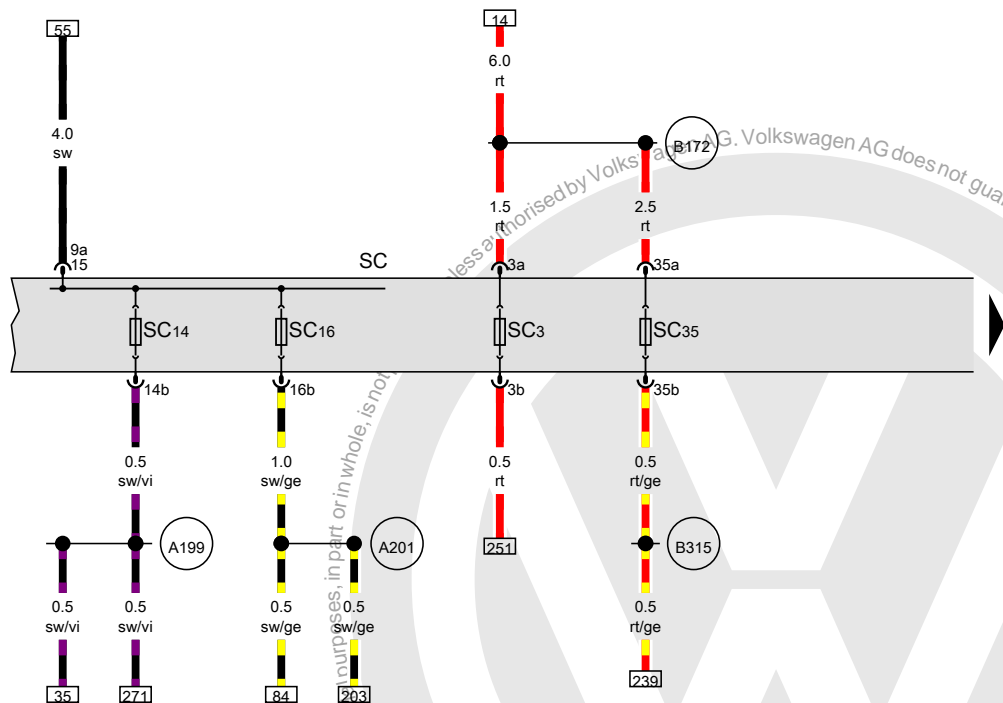


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Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

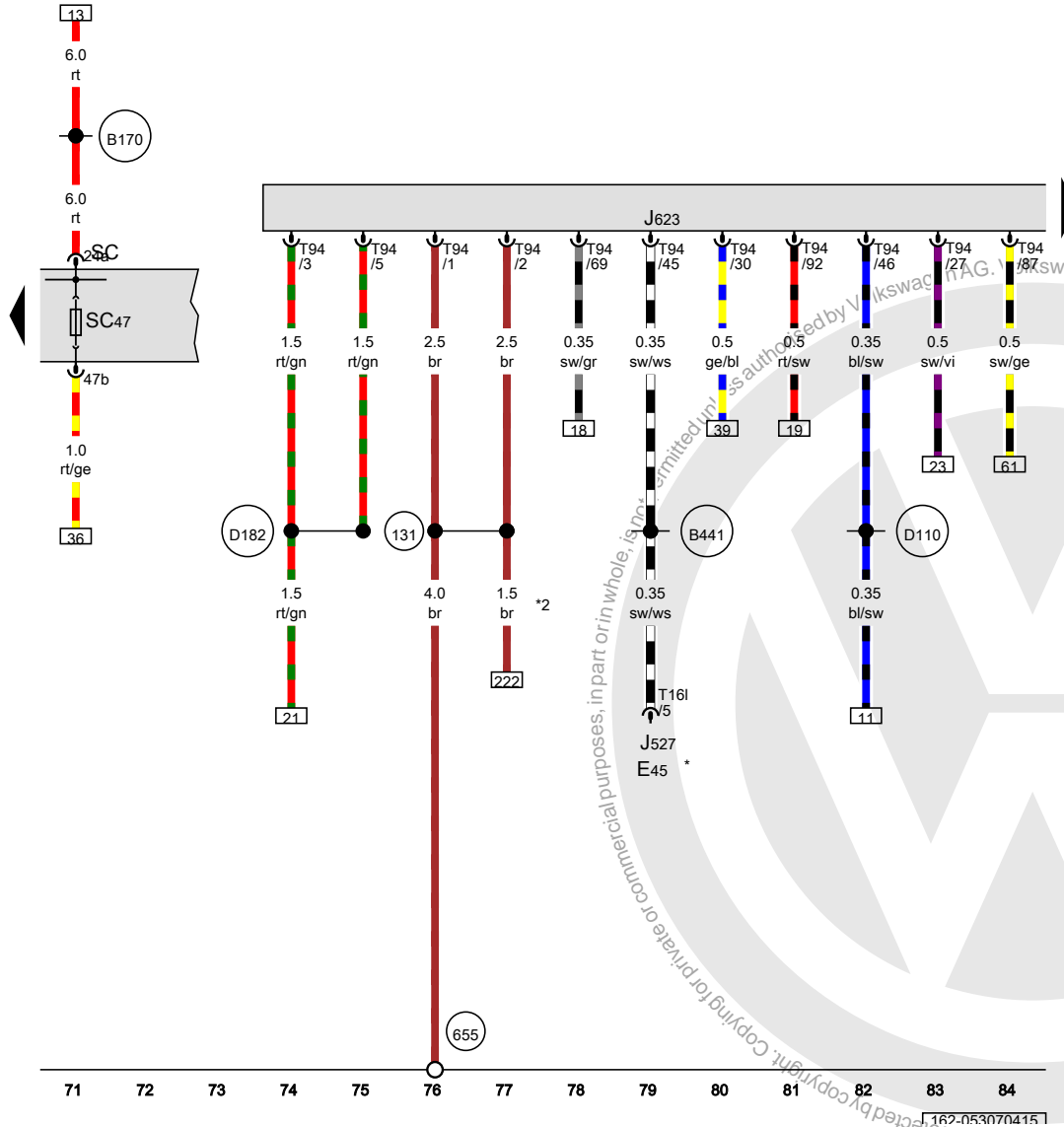


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- vi = purple
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Engine control unit, Fuse holder C

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T16l 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B170 Positive connection 2 (30), in interior wiring harness
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment

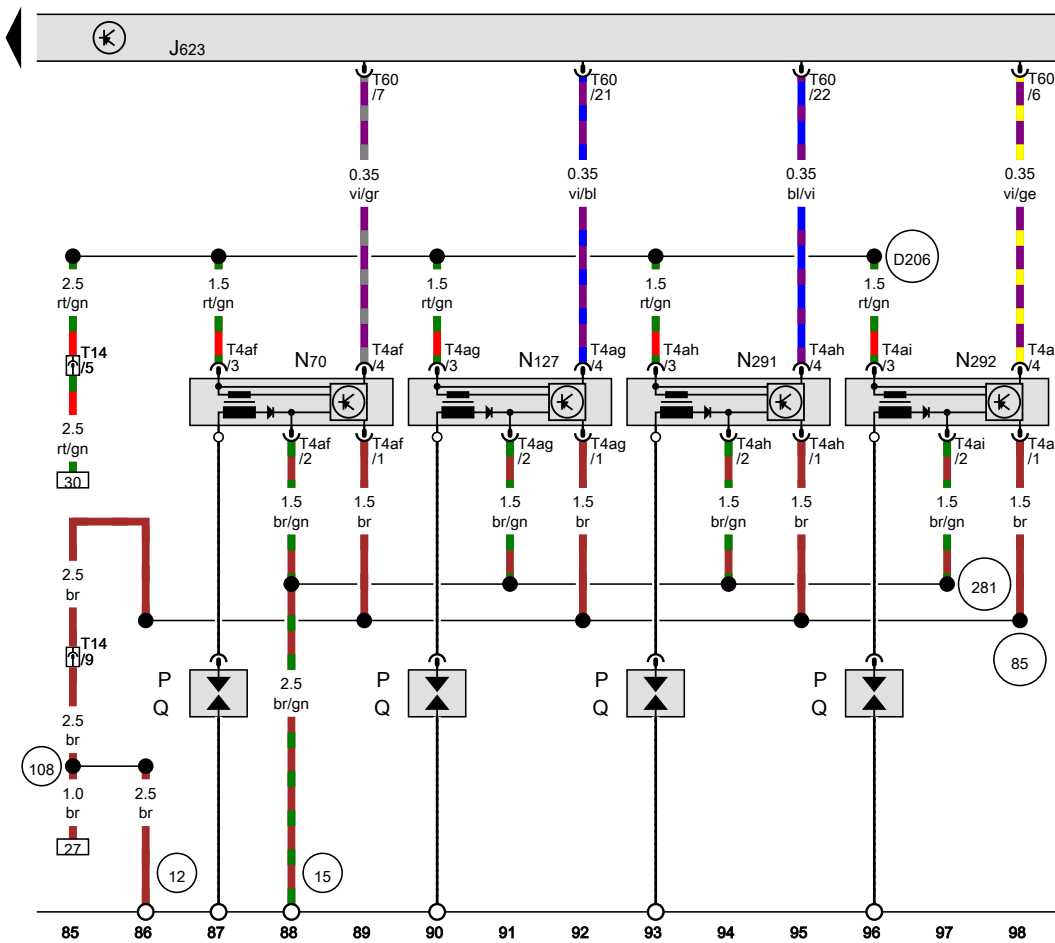


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71 72 73 74 75 76 77 78 79 80 81 82 83 84

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit, central in plenum chamber
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector



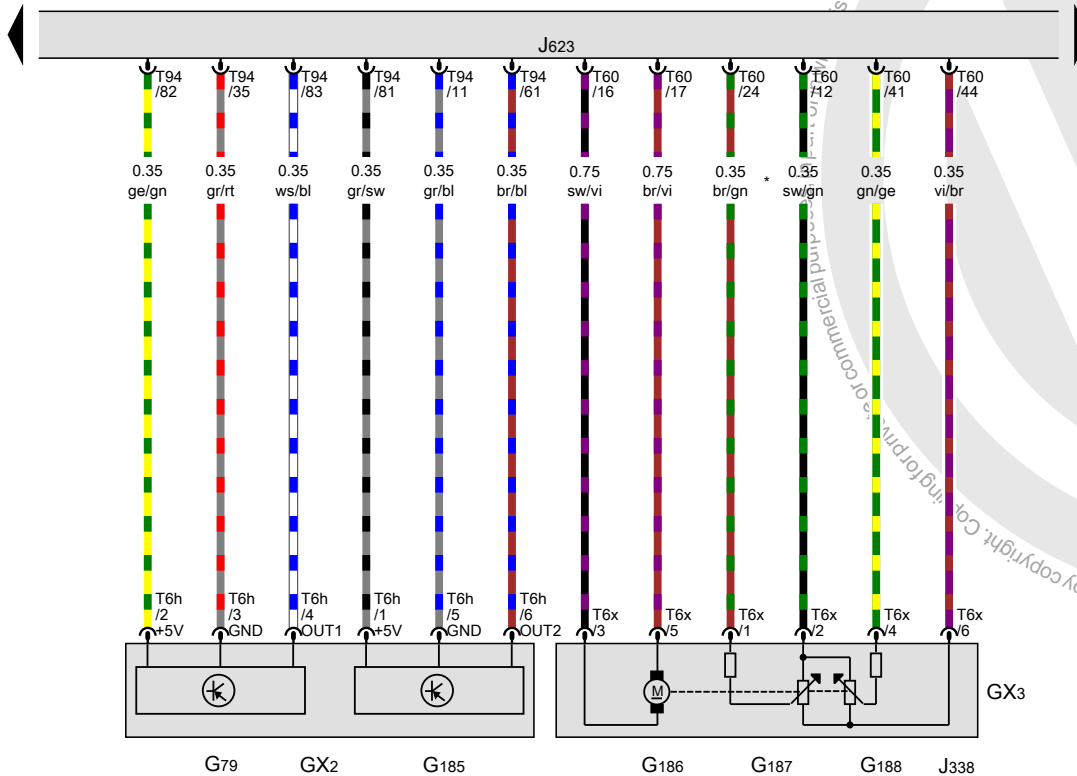
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- vi = purple
- ge = yellow
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- rs = pink

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

162-053080415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit, central in plenum chamber
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Wiring colour depends on equipment

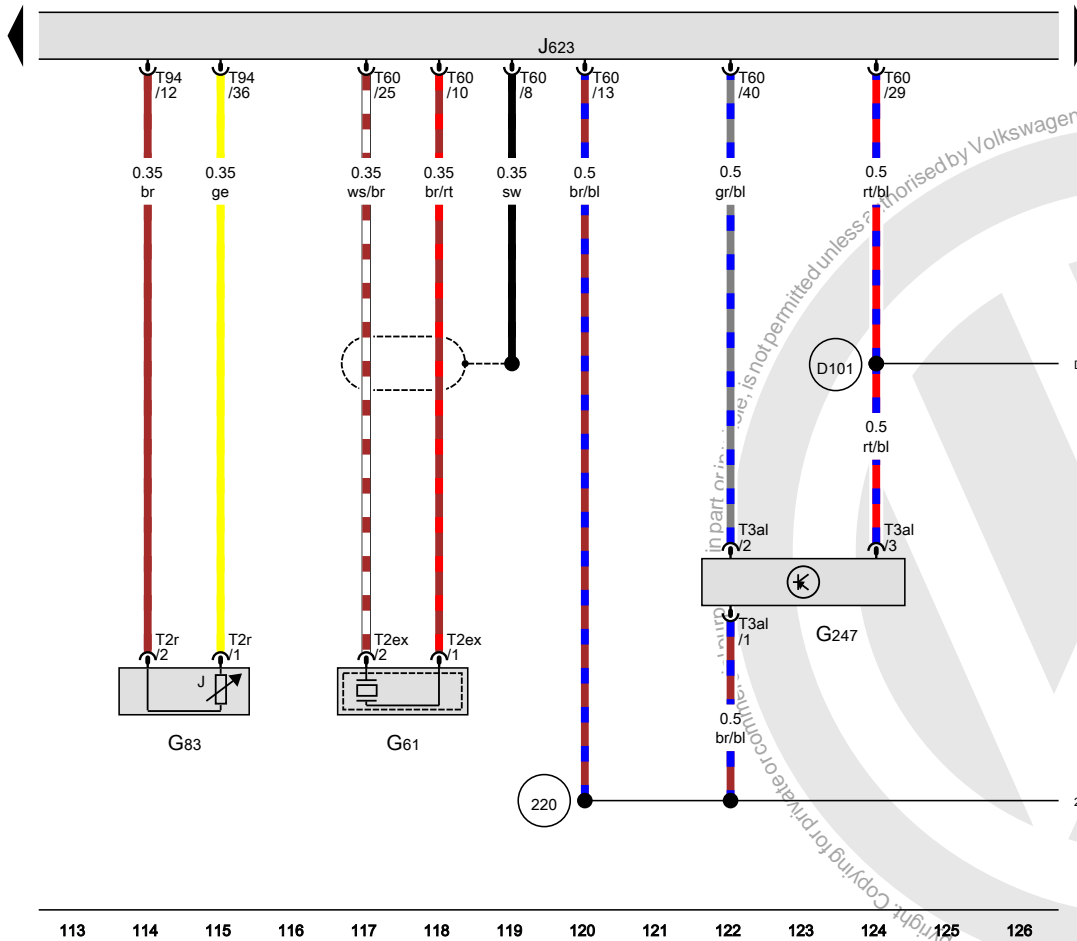


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- rs = pink

Knock sensor 1, Radiator outlet coolant temperature sender, Fuel pressure sender, Engine control unit

- G61 Knock sensor 1
- G83 Radiator outlet coolant temperature sender
- G247 Fuel pressure sender
- J623 Engine control unit, central in plenum chamber
- T2ex 2-pin connector
- T2r 2-pin connector
- T3al 3-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness



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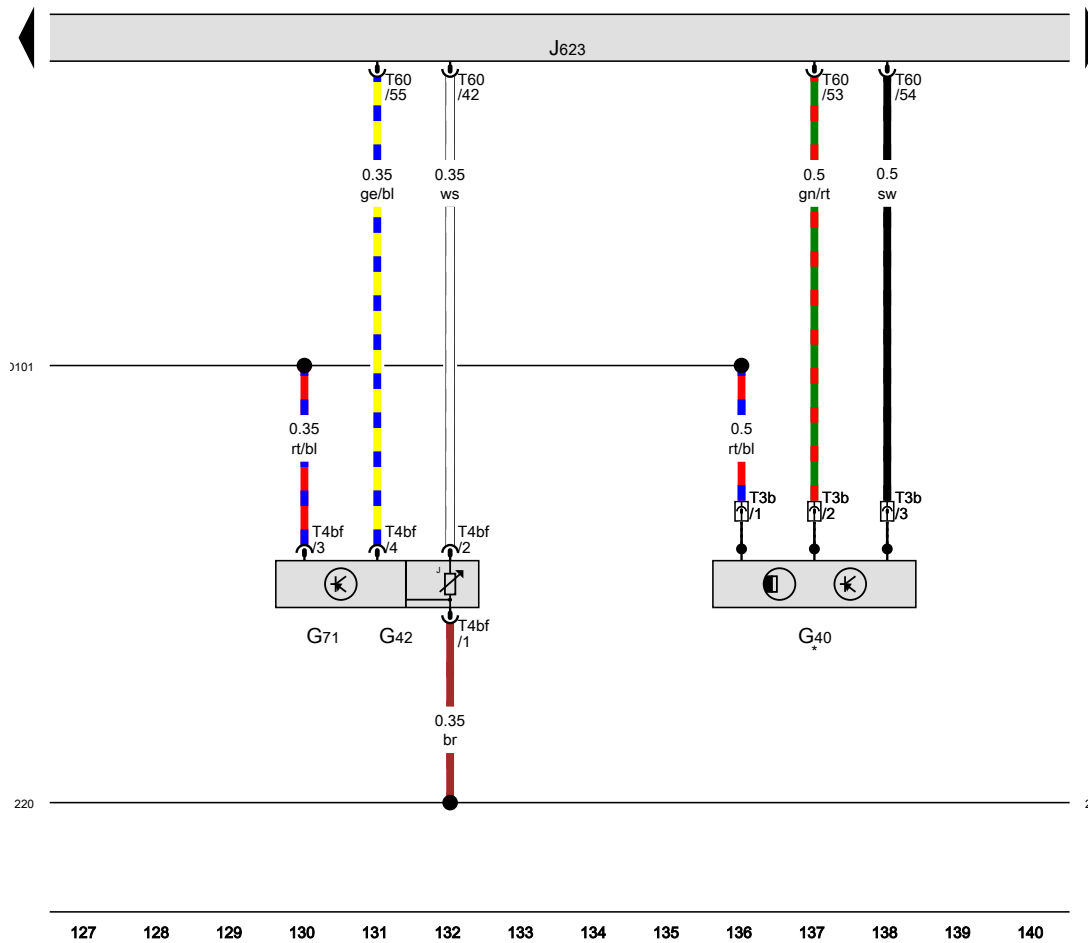
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162-053100415

Hall sender, Intake air temperature sender, Intake manifold pressure sender, Engine control unit

- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit, central in plenum chamber
- T3b 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * Camshaft sender - inlet valves



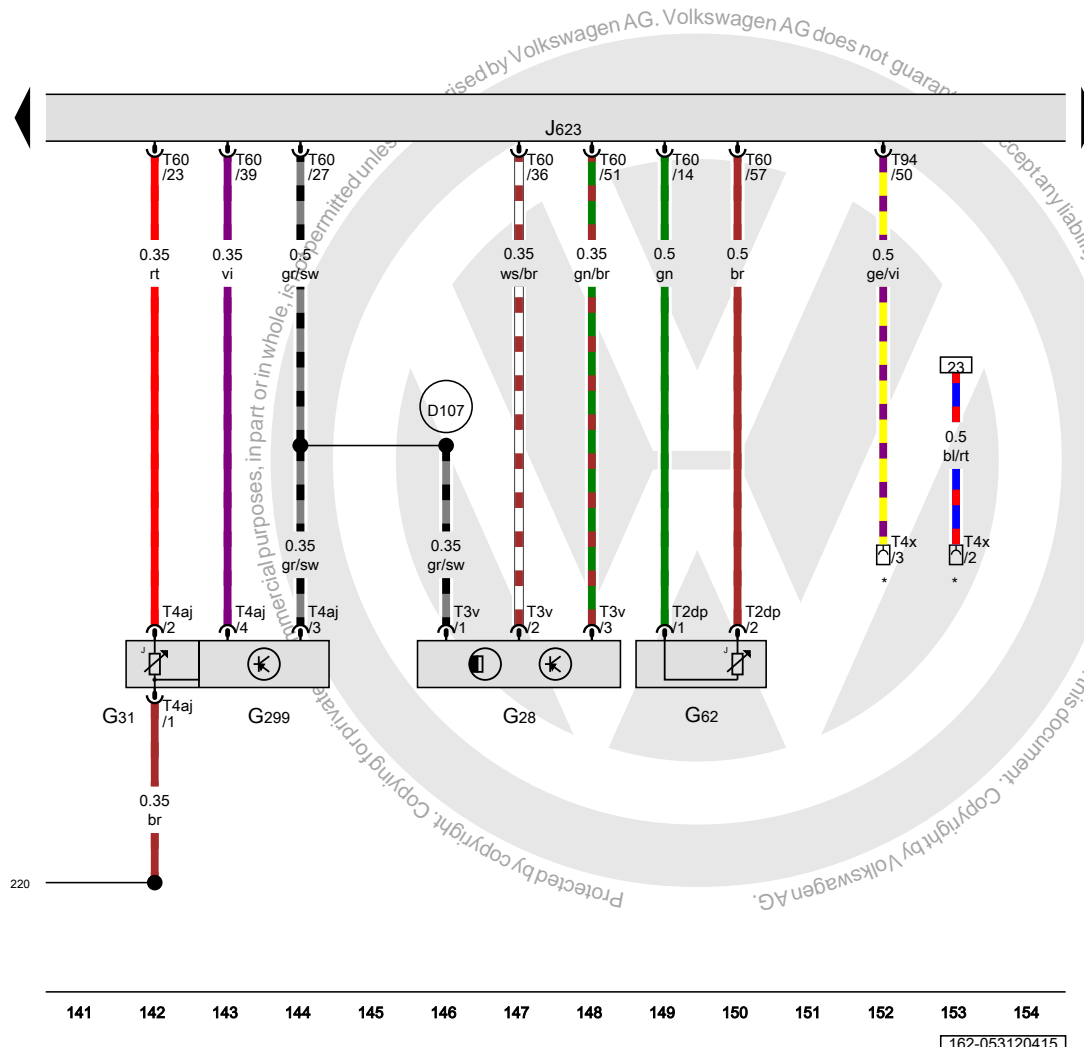
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162-053110415

Engine speed sender, Charge pressure sender, Intake air temperature sender 2, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G62 Coolant temperature sender
- G299 Intake air temperature sender 2
- J623 Engine control unit, central in plenum chamber
- T2dp 2-pin connector
- T3v 3-pin connector
- T4aj 4-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T60 60-pin connector
- T94 94-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Radiator fan connection

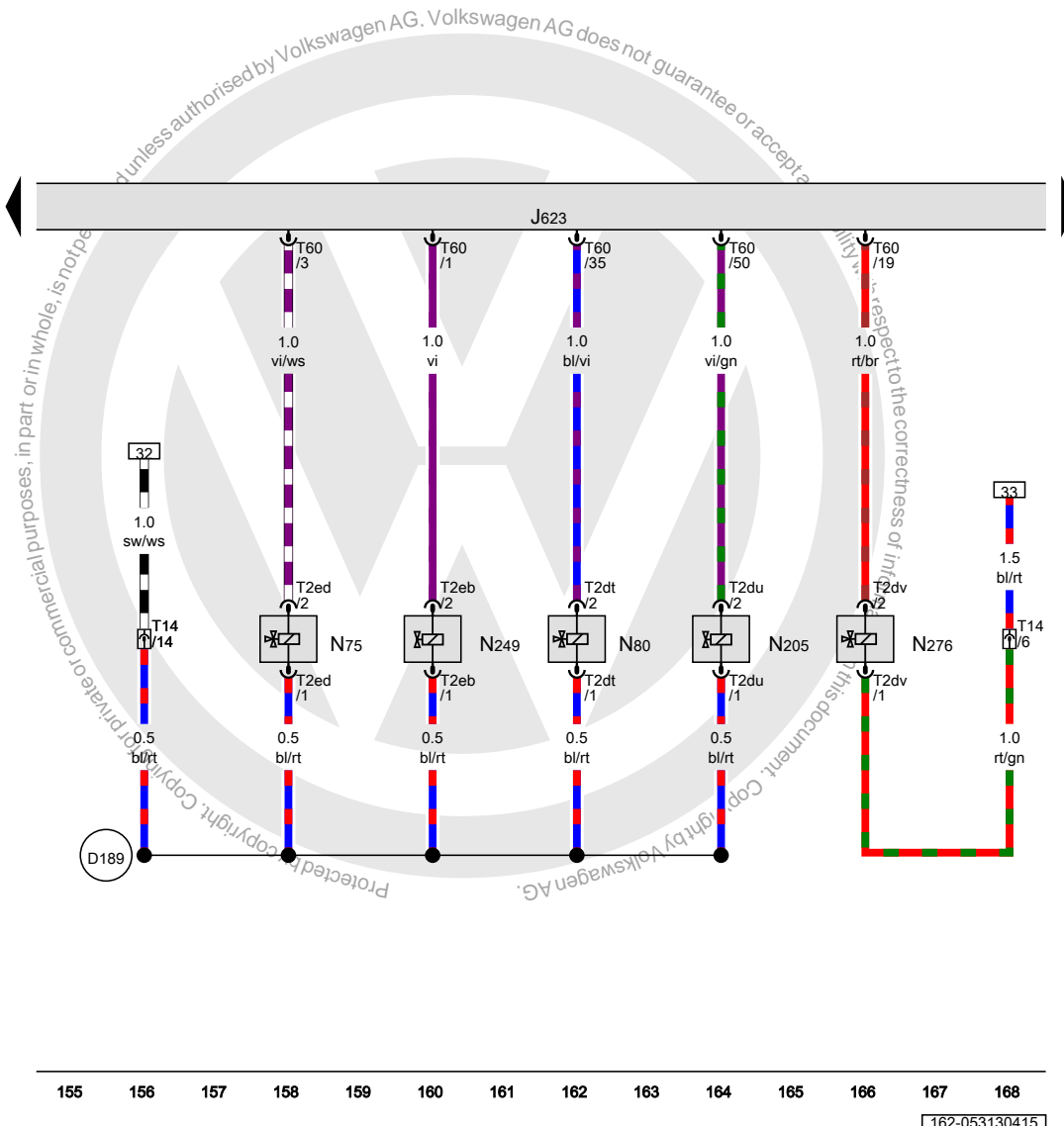


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- vi = purple
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- rs = pink

Engine control unit

- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

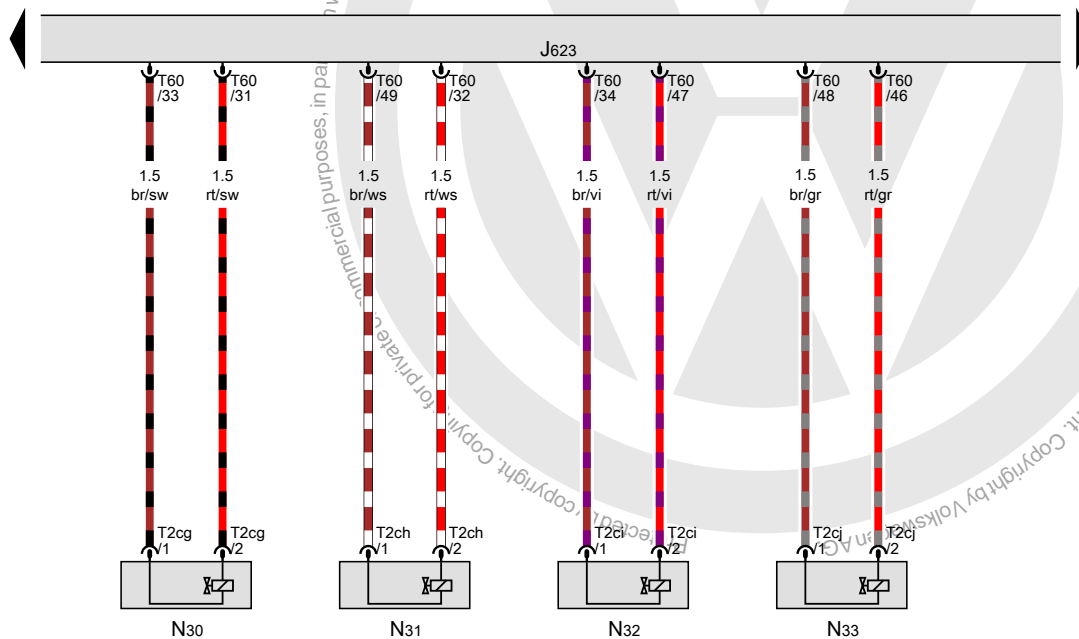
D189 Connection (87a) in engine prewiring harness



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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T60 60-pin connector

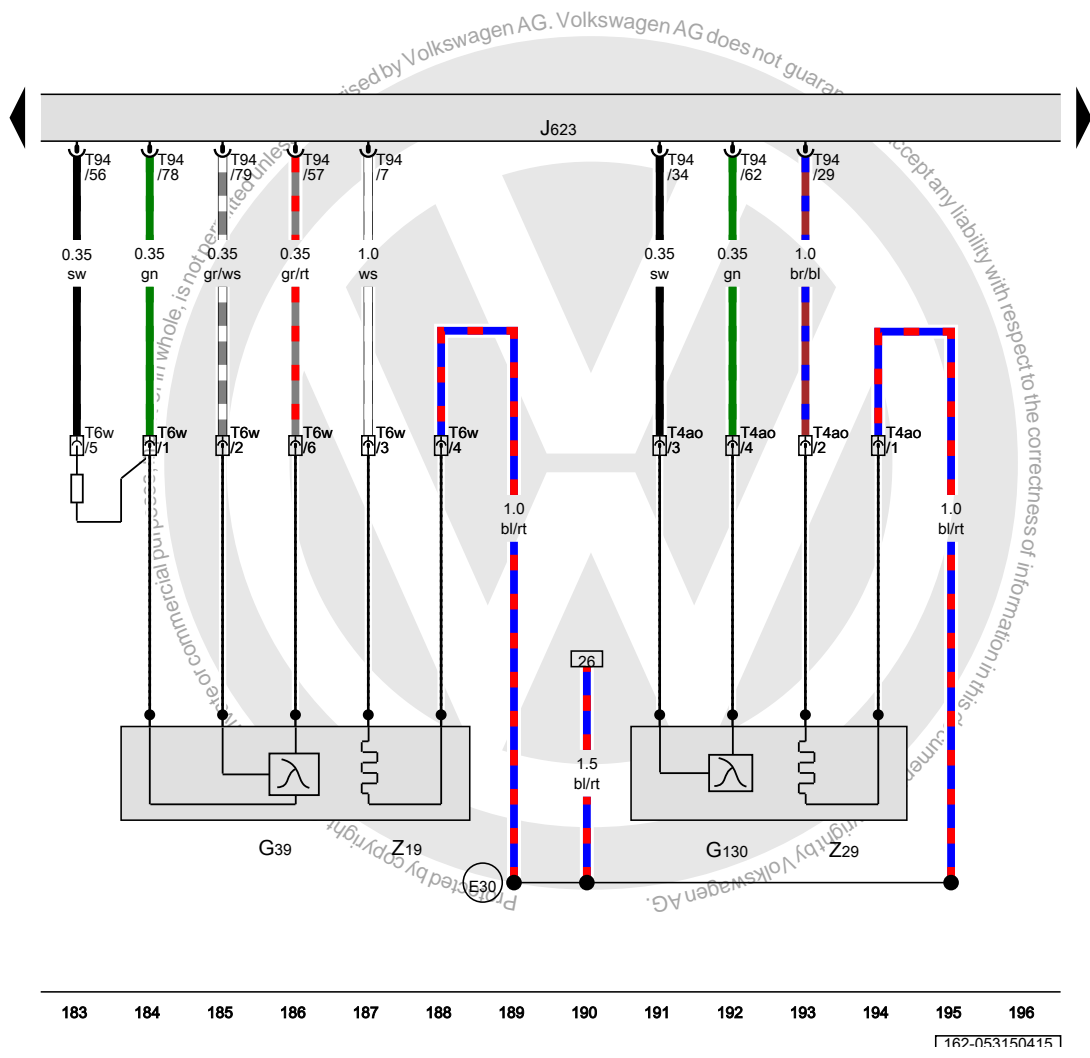


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Lambda probe, Lambda probe after catalytic converter, Engine control unit

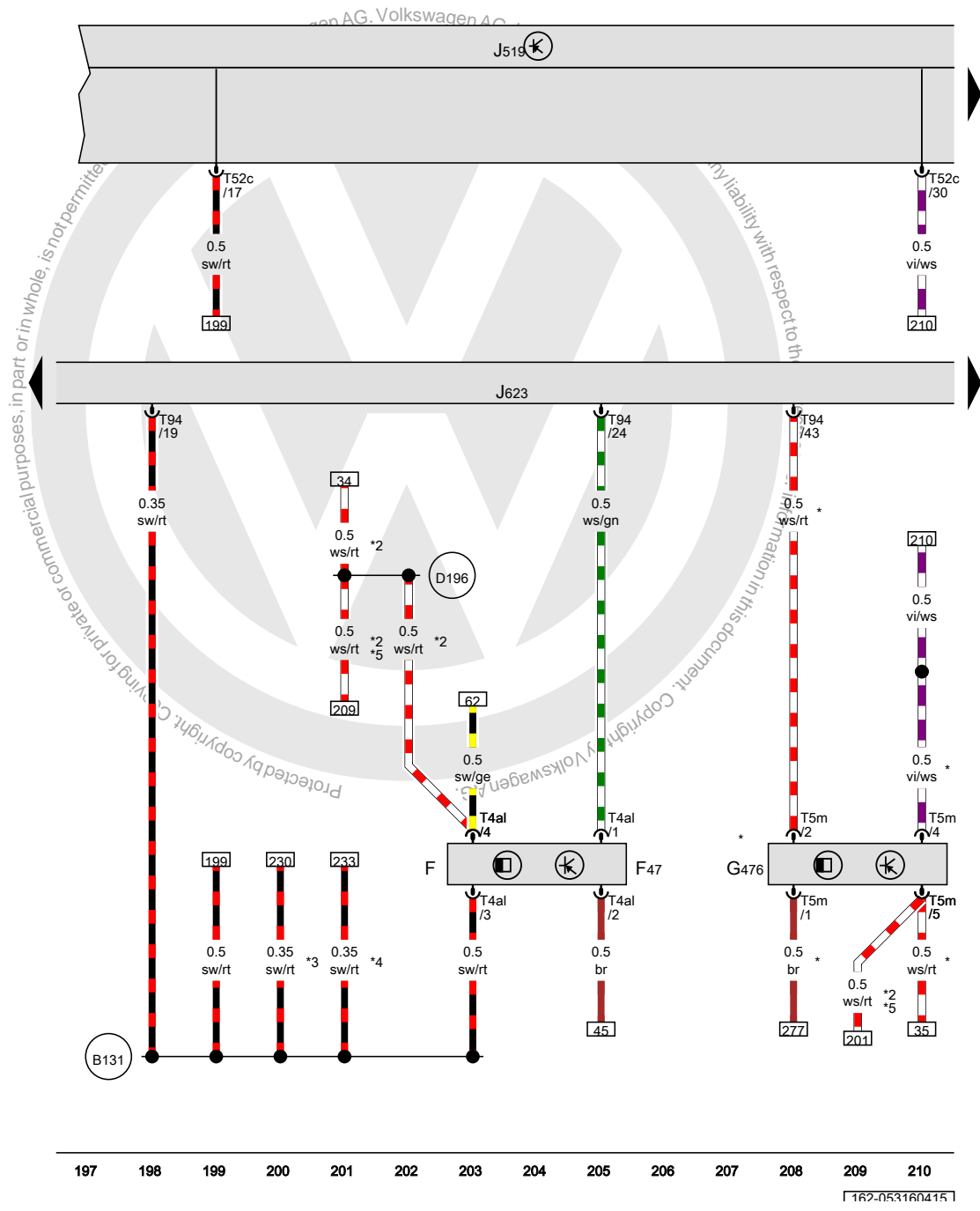
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit, central in plenum chamber
- T4ao 4-pin connector, near Lambda probe
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness



183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-053150415]



Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

D196 Connection 2 (87a) in engine prewiring harness

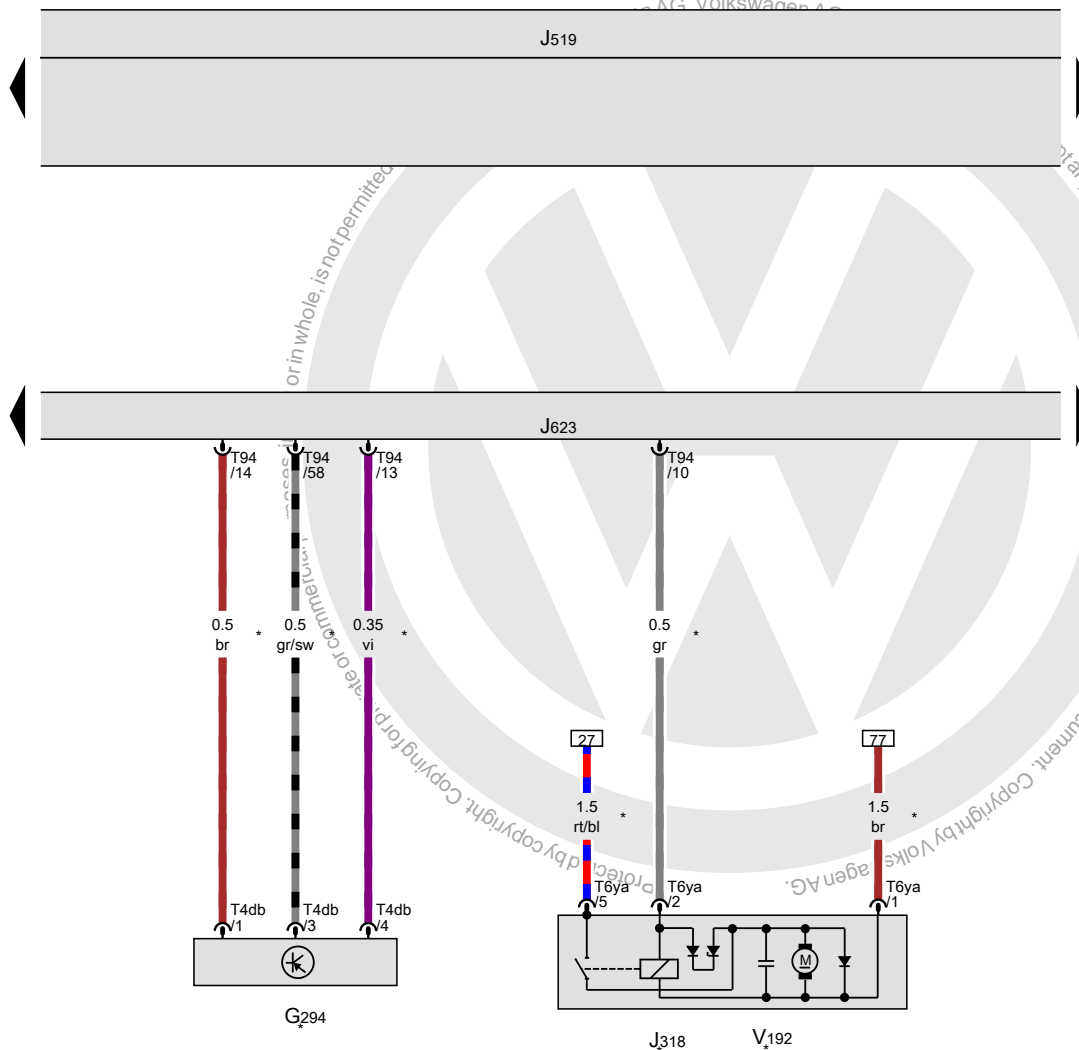
- * Only models with manual gearbox
- *2 gradual introduction
- *3 Only models with ABS and no ESP
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *5 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-053160415]

Brake servo pressure sensor, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4db 4-pin connector
- T6ya 6-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Engine control unit

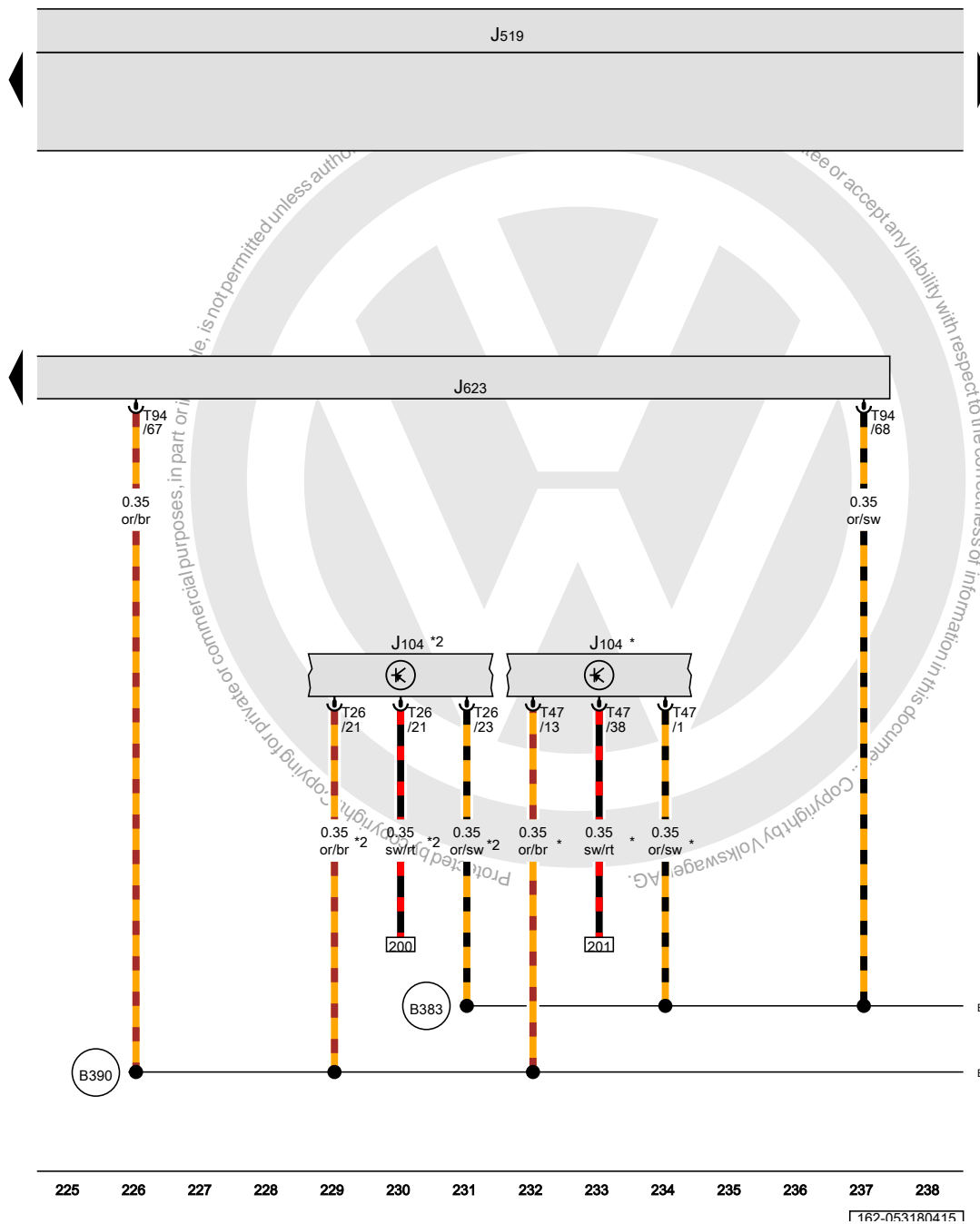
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

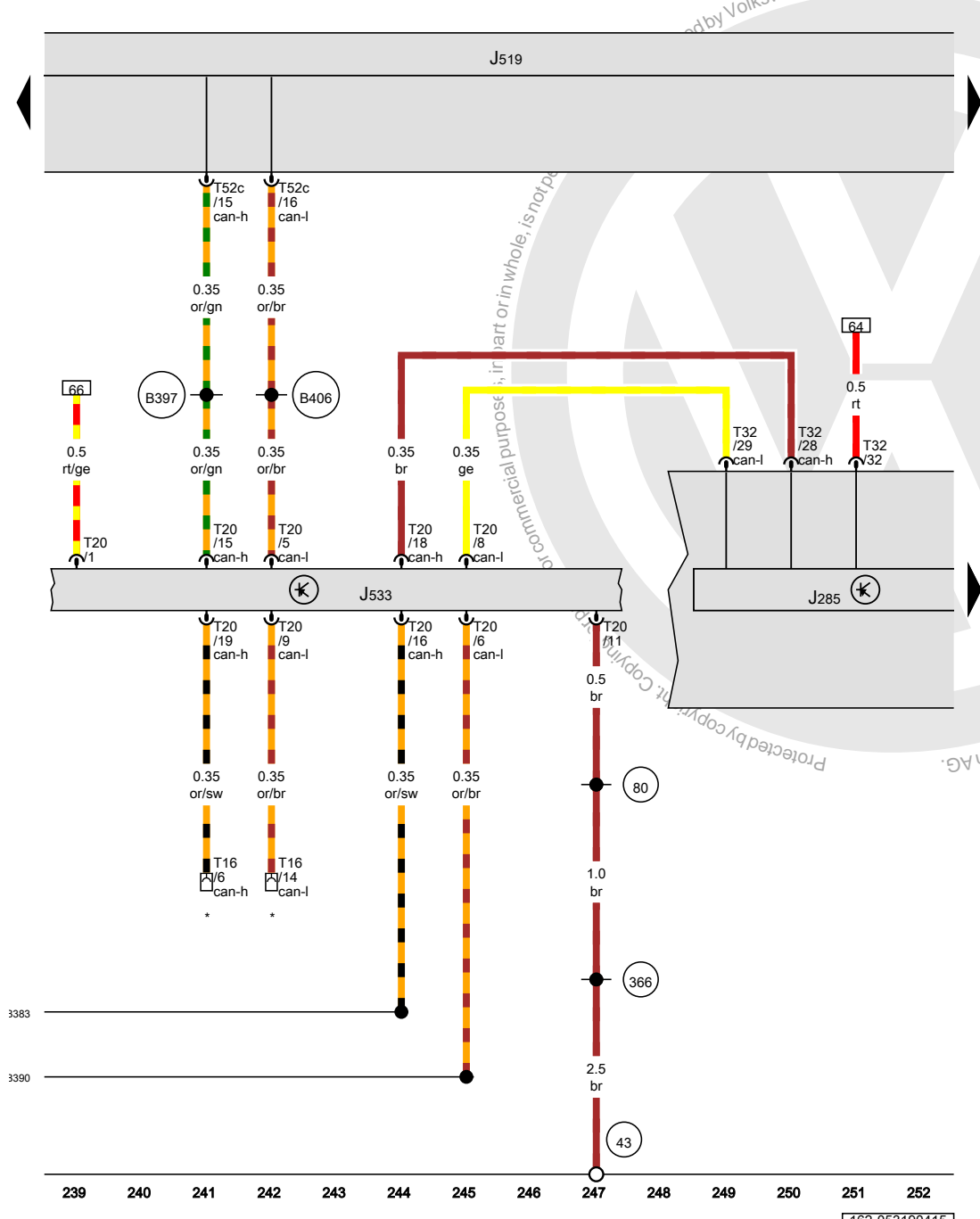
B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

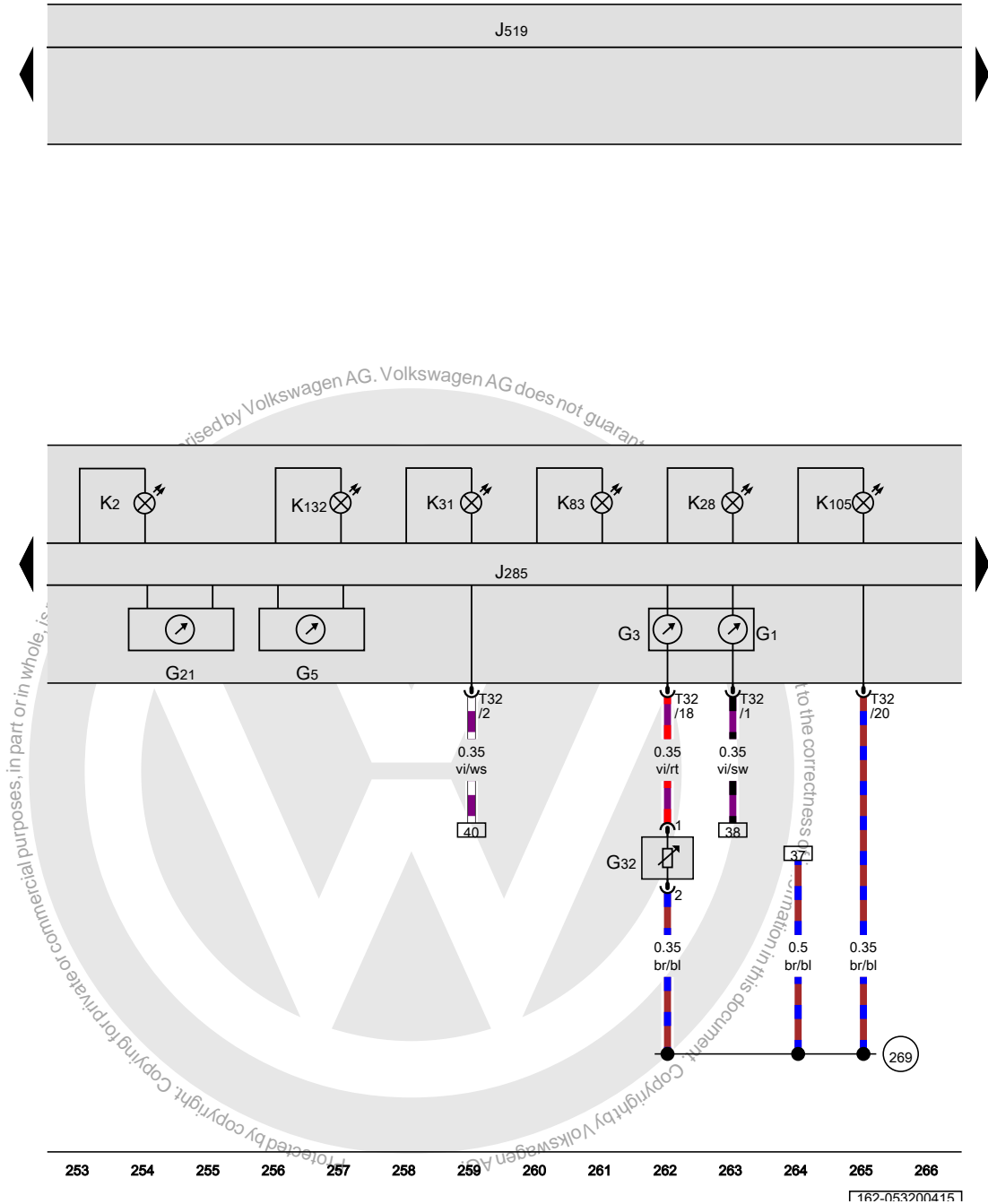
- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness

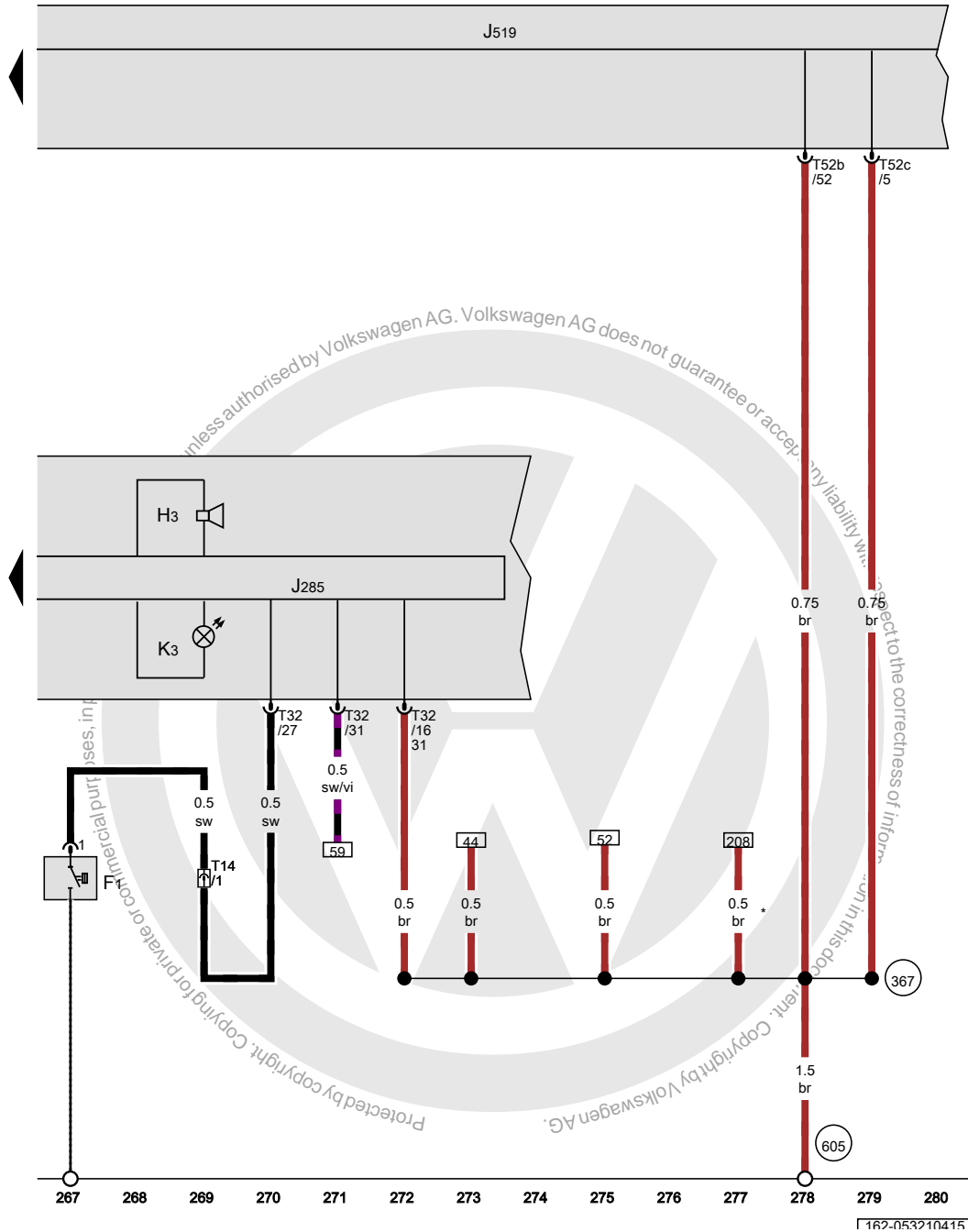


[162-053200415]

Oil pressure switch, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with manual gearbox



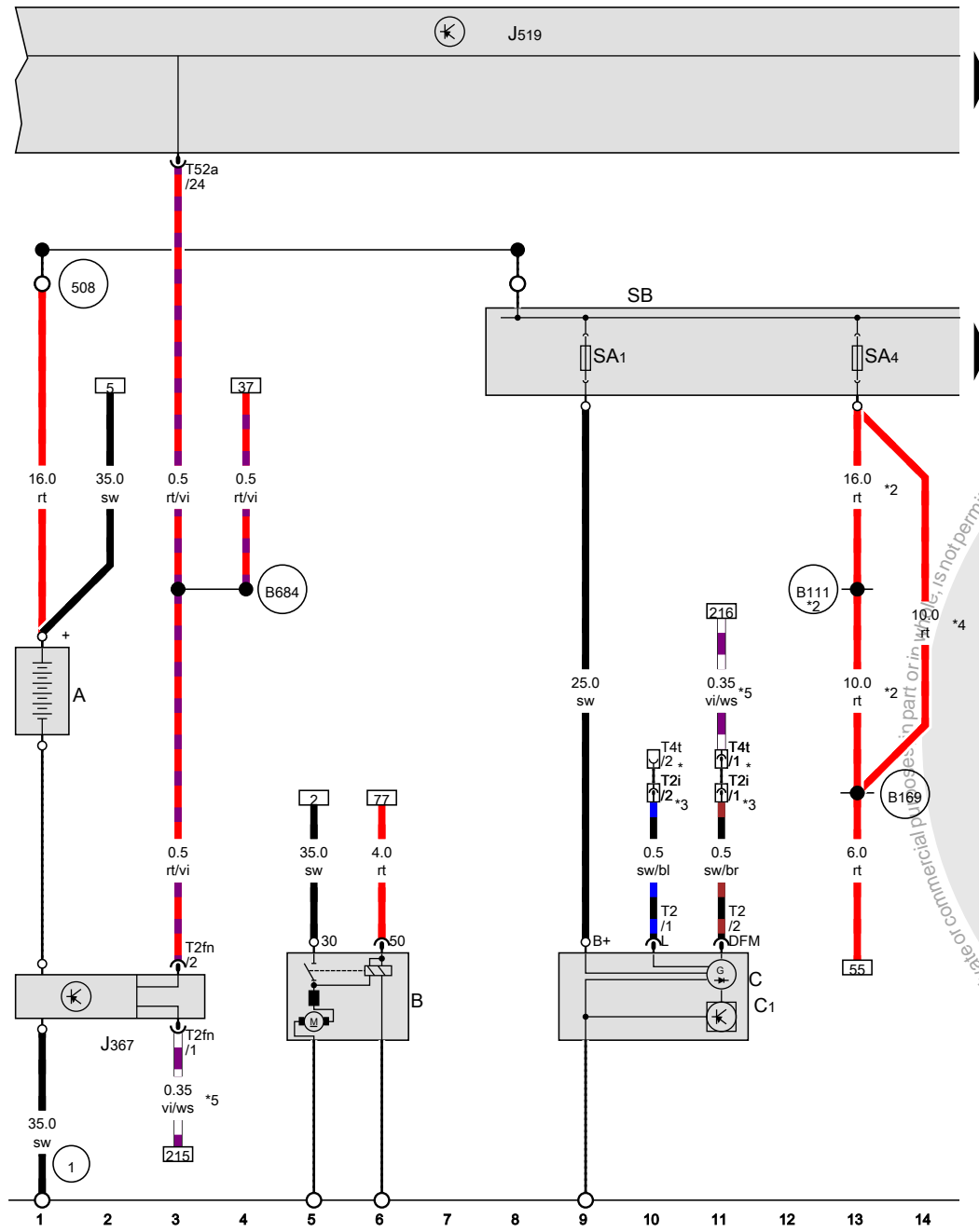
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-053210415

1.2l petrol engine with start/stop system , CBZB

From October 2010





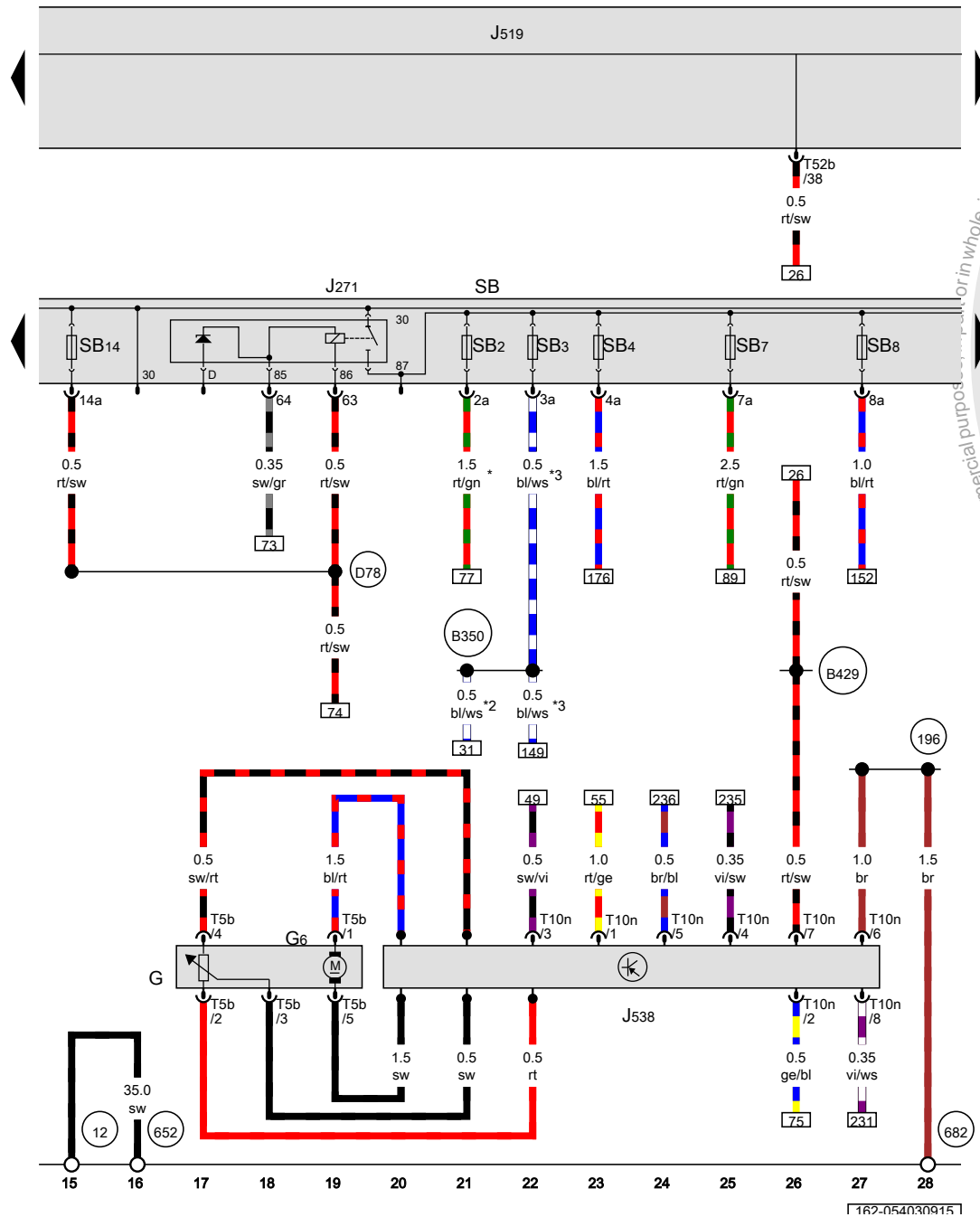
Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2fn 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52a 52-pin connector

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B684 Positive connection 24 (30a) in main wiring harness
- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system gradual introduction
- *4
- *5 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- r = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-054020915



Fuel gauge sender, Fuel system pressurisation pump, Main relay, Onboard supply control unit, Fuel pump control unit, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J271 Main relay
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

- 12 Earth point, on left in engine compartment
- 196 Earth connection 3, in rear wiring harness
- 652 Earth point, engine and gearbox earth
- 682 Earth point 2, in rear right side panel
- B350 Positive connection 1 (87a) in main wiring harness
- B429 Connection (EFPR), in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Cross-section 1.5 possible
- *2 gradual introduction
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

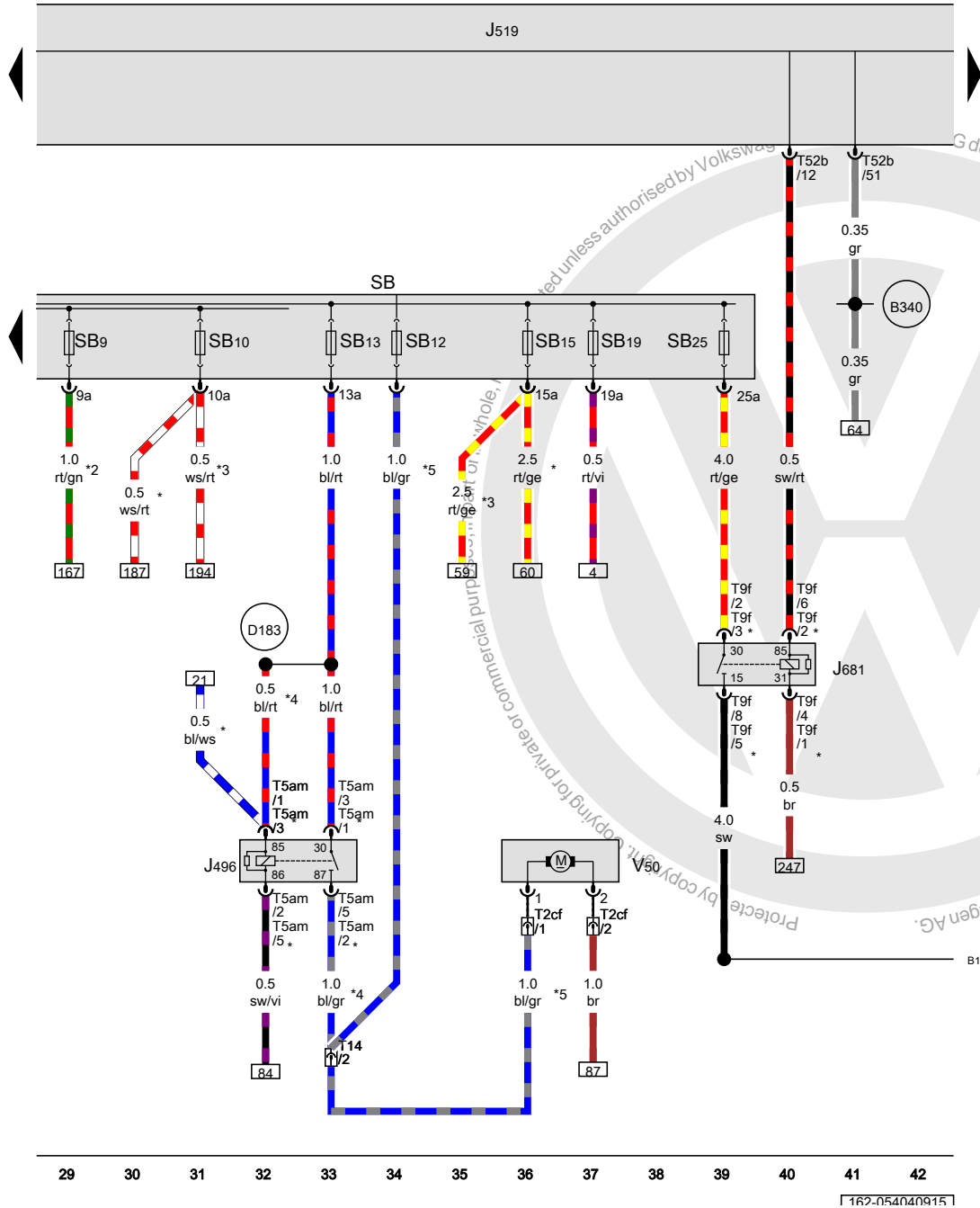
Additional coolant pump relay, Onboard supply control unit, Terminal 15 voltage supply relay 2, Fuse holder B, Coolant circulation pump

- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SB Fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T2cf 2-pin connector
- T5am 5-pin connector
- T9f 9-pin connector
- T14 14-pin connector, near battery
- T52b 52-pin connector
- V50 Coolant circulation pump

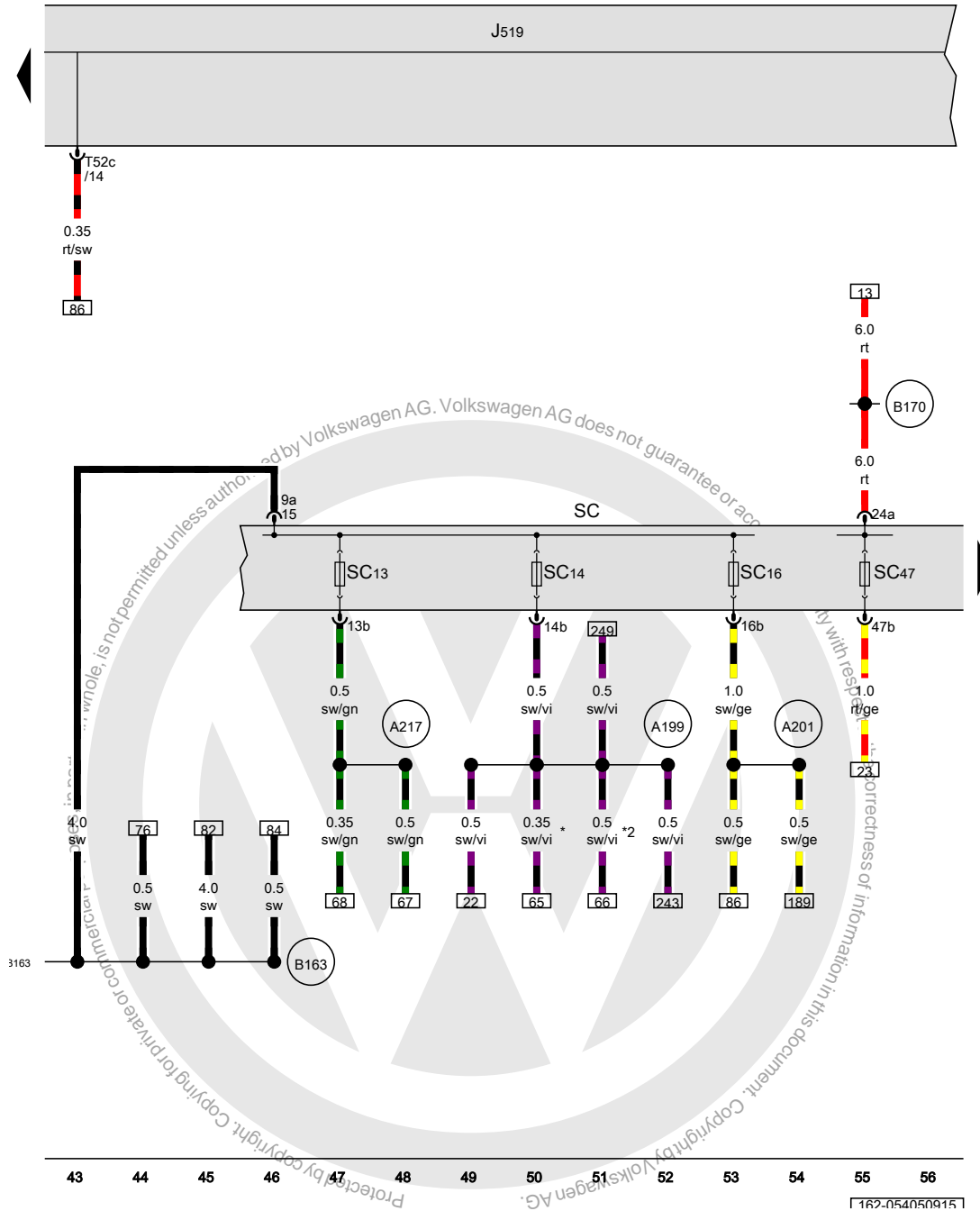
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness

- * gradual introduction
- *2 Cross-section 1.5 possible
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment
- *5 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



29 30 31 32 33 34 35 36 37 38 39 40 41 42
 [162-054040915]



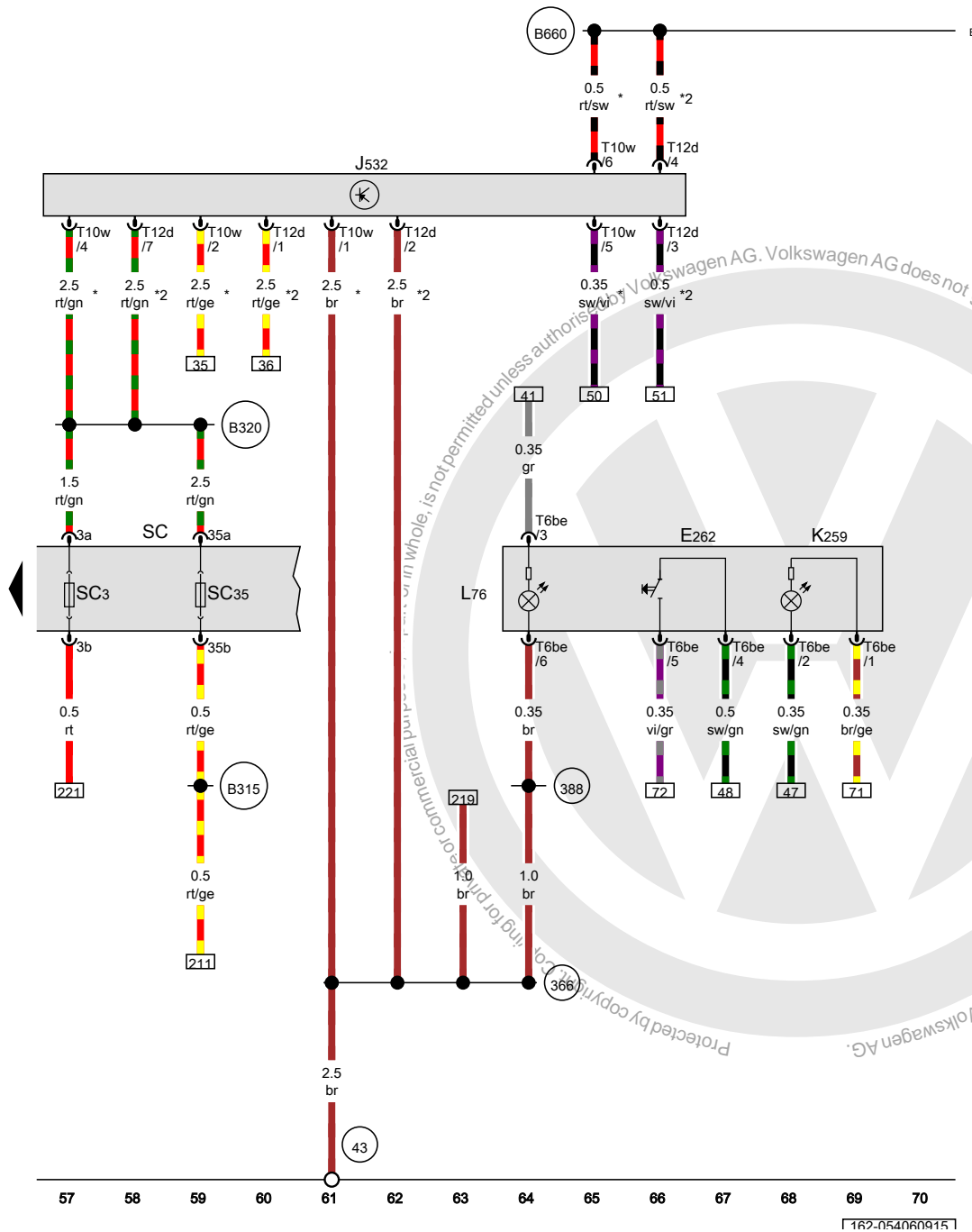
Onboard supply control unit, Fuse holder C

- J519 Onboard supply control unit
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T52c 52-pin connector

- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (A217) Positive connection 8 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B170) Positive connection 2 (30), in interior wiring harness

* Gradually discontinued
*2 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



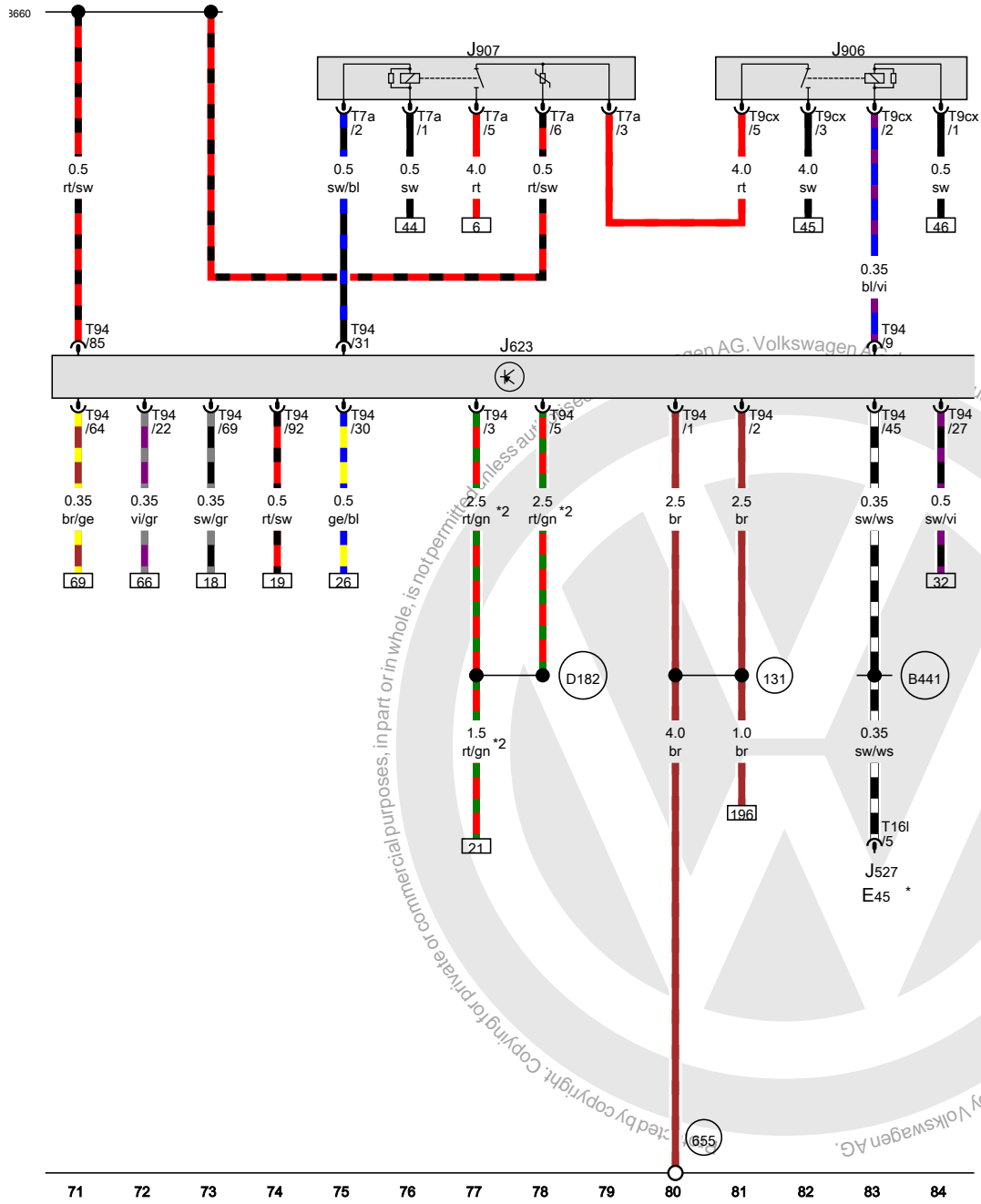
Fuse holder C

- E262 Start/Stop operation switch
- J532 Voltage stabiliser
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T6be 6-pin connector
- T10w 10-pin connector
- T12d 12-pin connector

- 43 Earth point, lower part of right A-pillar
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- * Gradually discontinued
- *2 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-054060915



Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- J906 Starter relay 1
- J907 Starter relay 2
- T7a 7-pin connector
- T9cx 9-pin connector
- T161 16-pin connector
- T94 94-pin connector

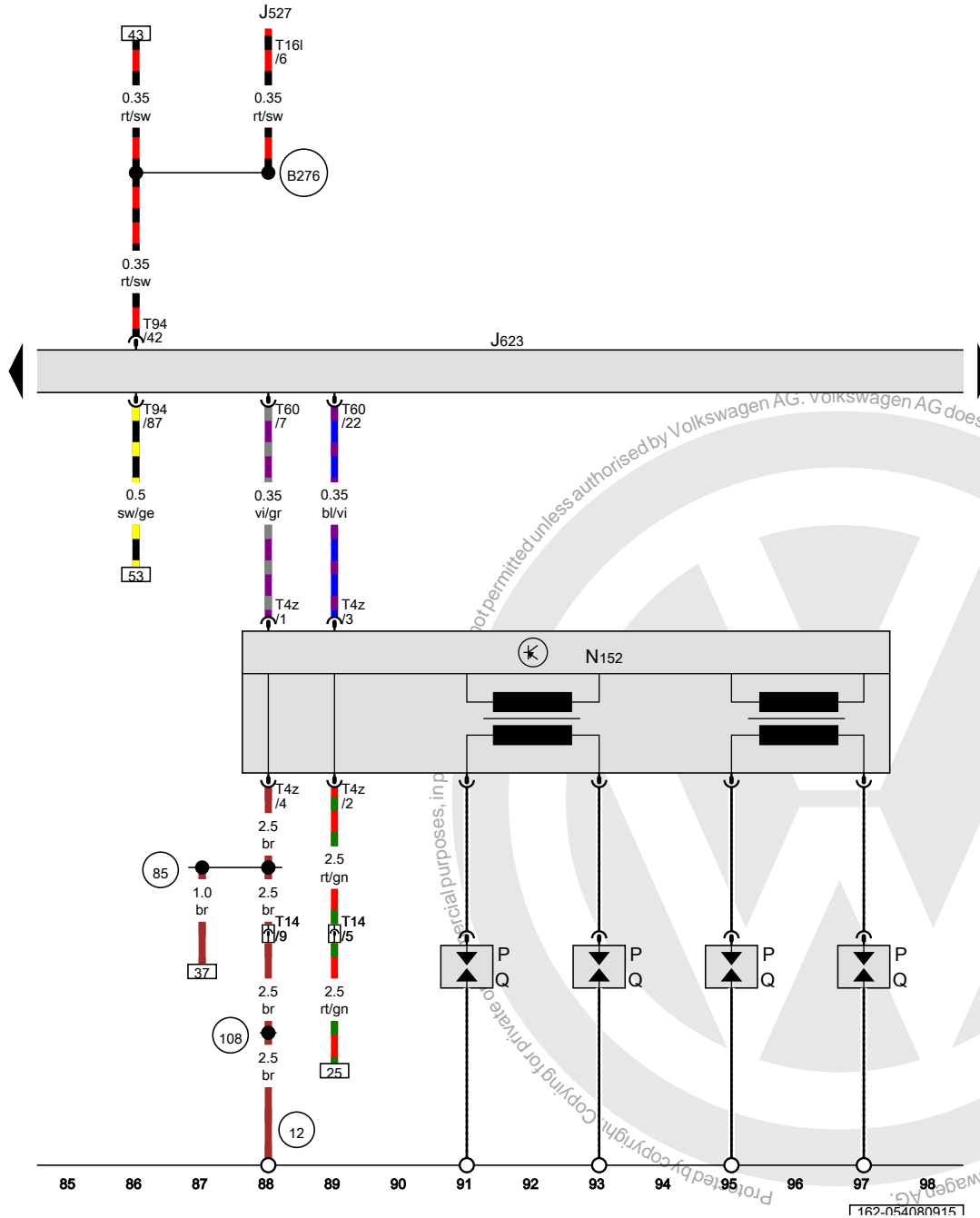
- (131) Earth connection 2, in engine compartment wiring harness
- (655) Earth point, on left headlight
- (B441) Connection (CCS), in main wiring harness
- (B660) Connection (diagnosis terminal 50), in main wiring harness
- (D182) Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Cross-section 1.5 possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Spark plug connector, Spark plugs

- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4z 4-pin connector
- T14 14-pin connector, near battery
- T161 16-pin connector
- T60 60-pin connector
- T94 94-pin connector

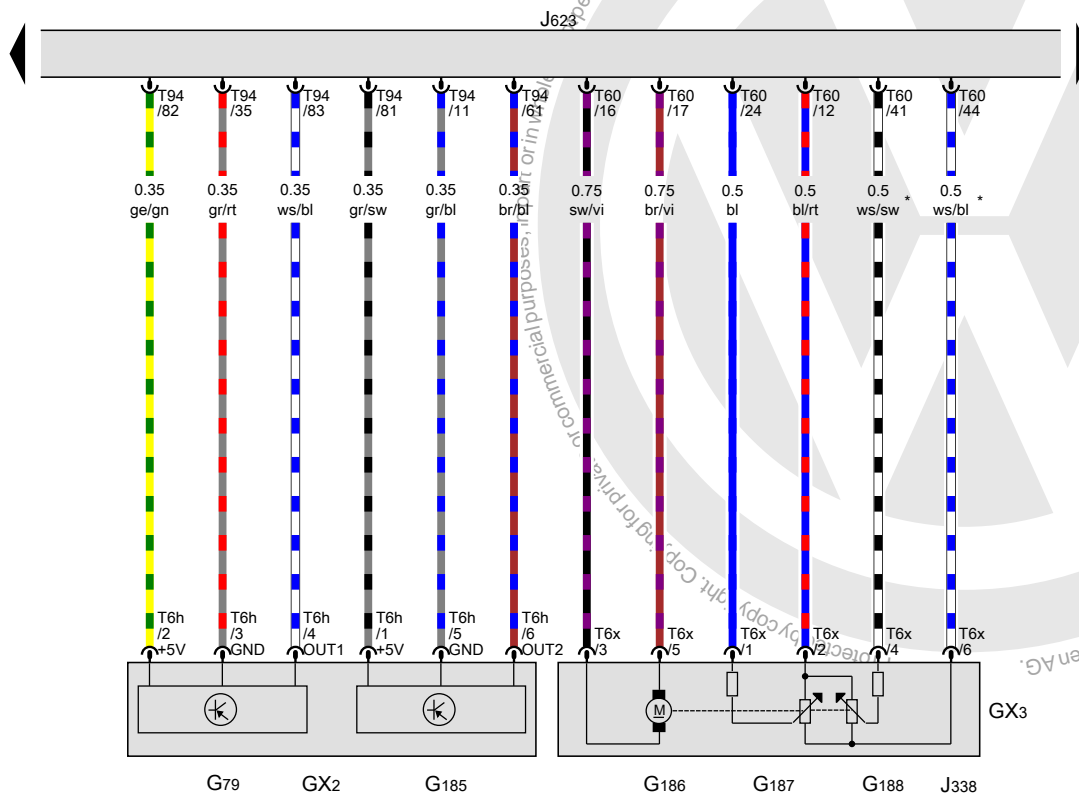
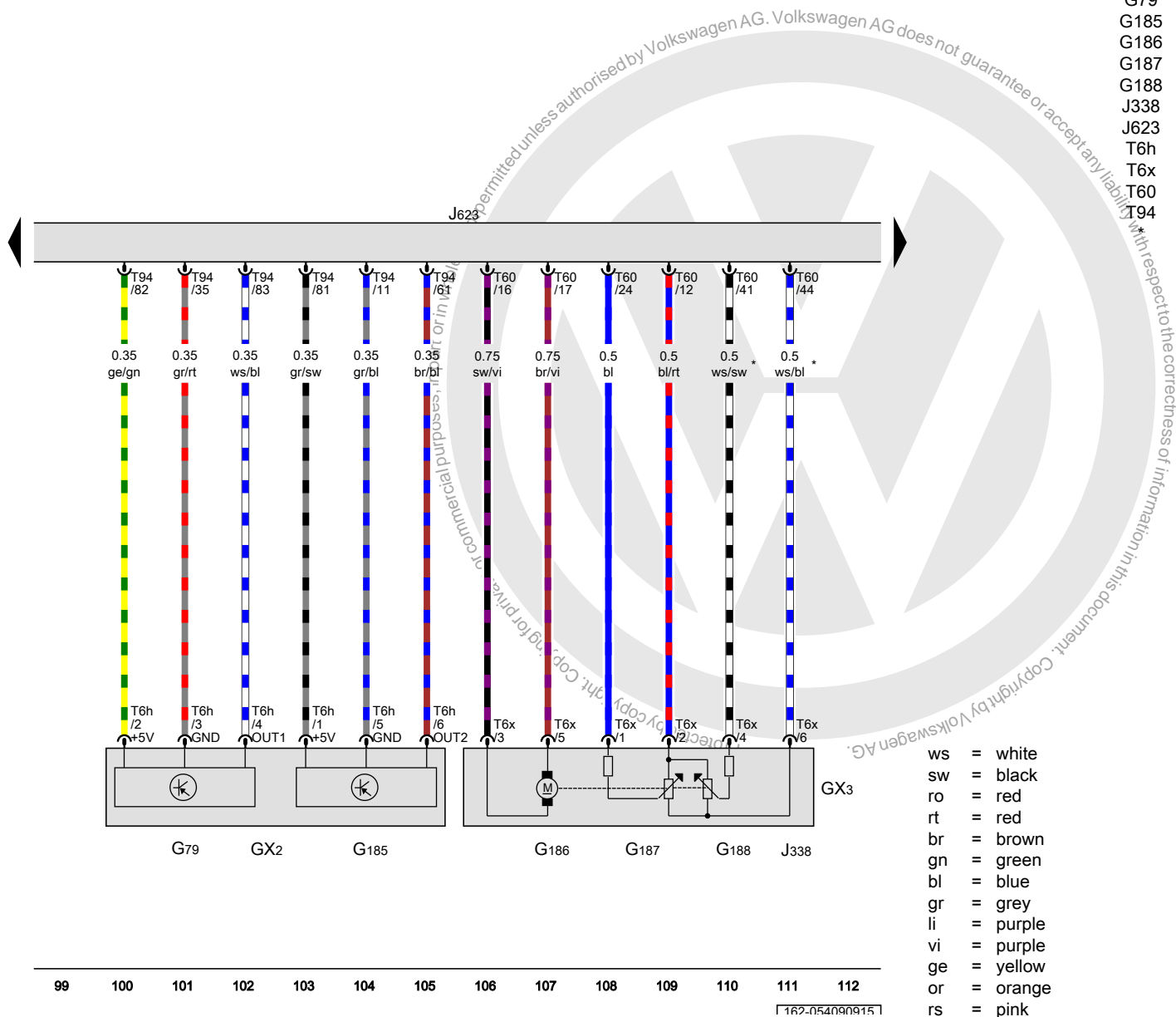
- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- B276 Positive connection (50), in main wiring harness



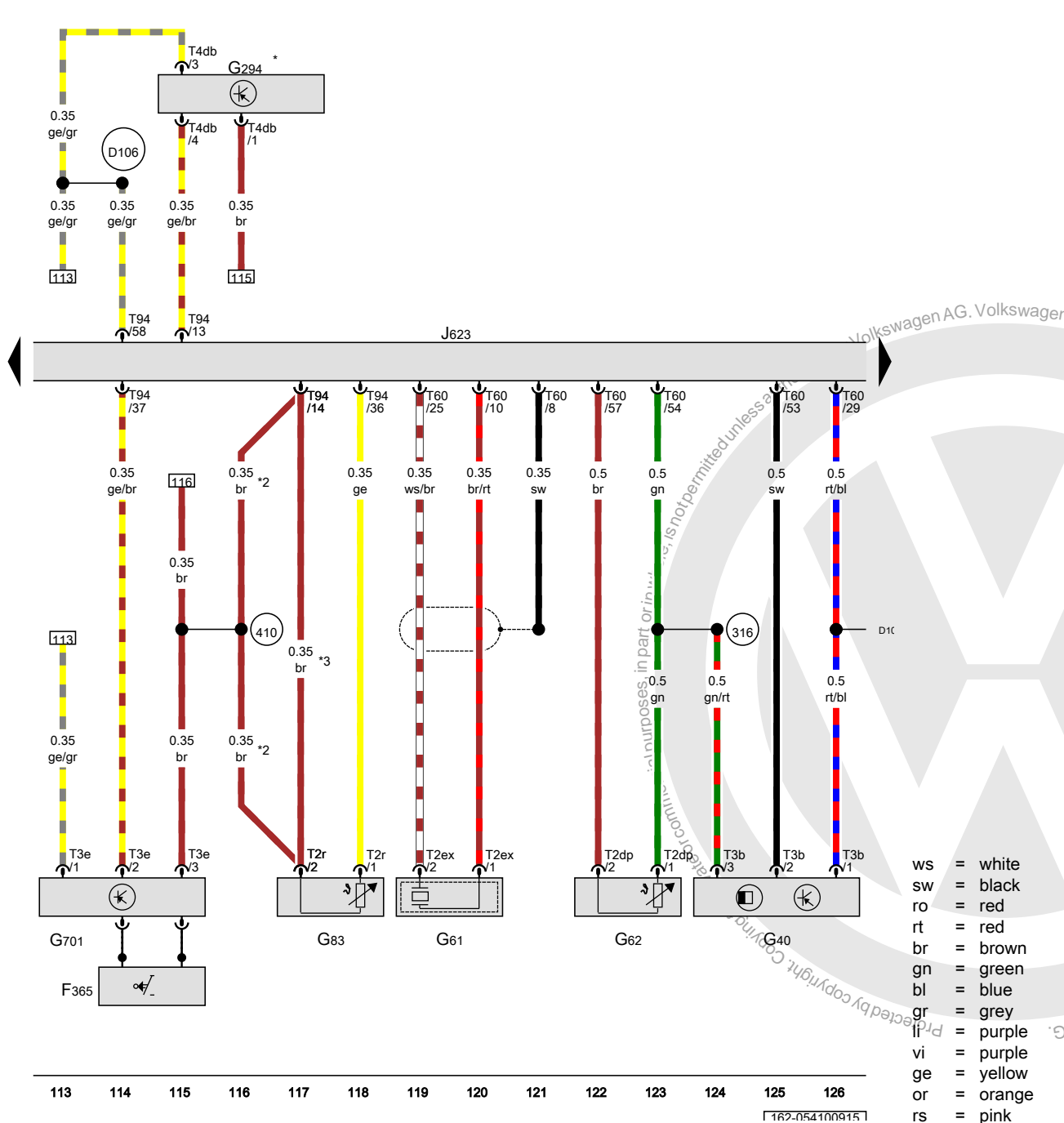
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit, central in plenum chamber
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Gearbox neutral position switch, Hall sender, Knock sensor 1, Coolant temperature sender, Radiator outlet coolant temperature sender, Brake servo pressure sensor, Engine control unit

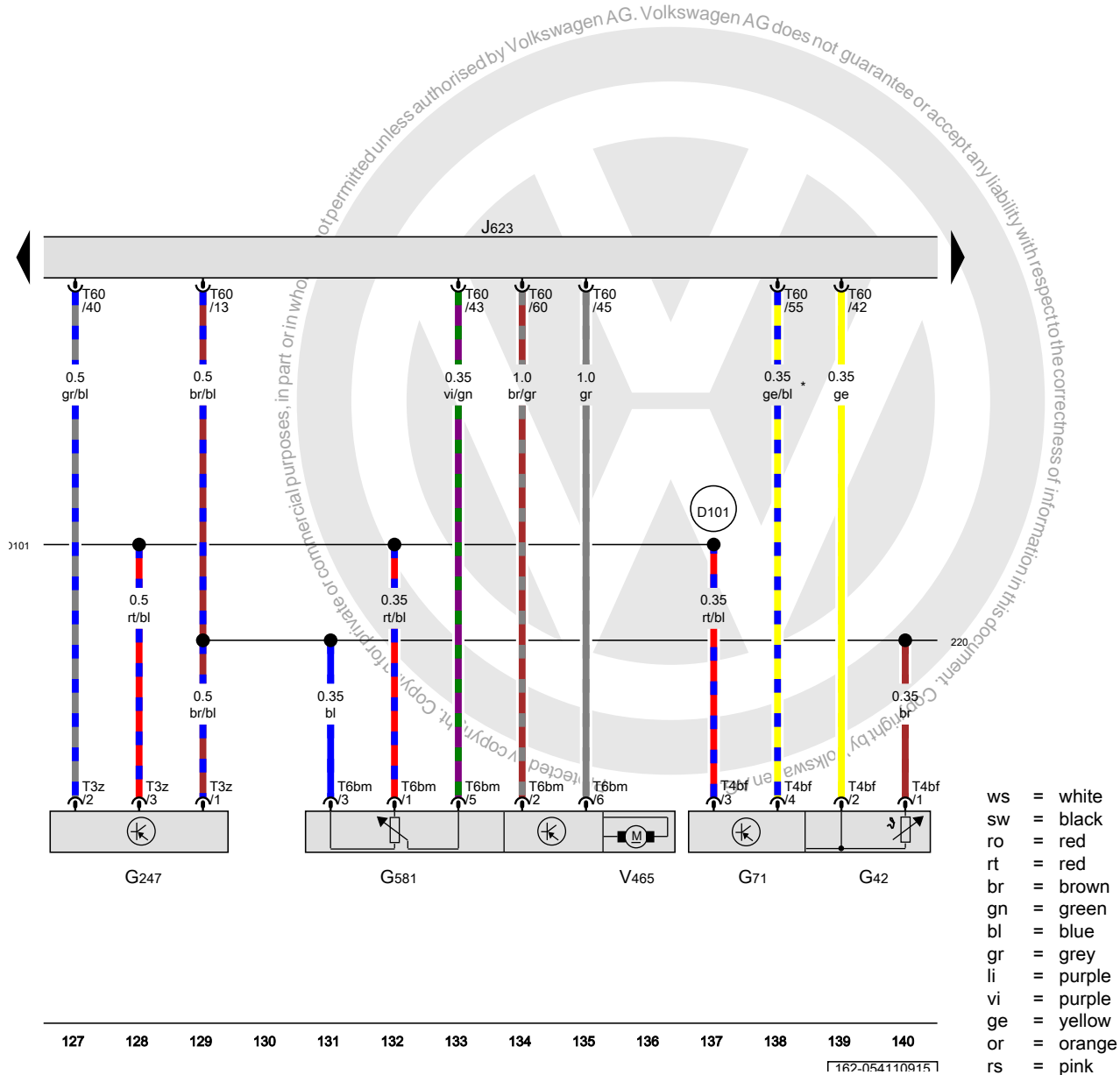
- F365 Gearbox neutral position switch
- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G83 Radiator outlet coolant temperature sender
- G294 Brake servo pressure sensor
- G701 Gearbox neutral position sender
- J623 Engine control unit, central in plenum chamber
- T2dp 2-pin connector
- T2ex 2-pin connector
- T2r 2-pin connector
- T3b 3-pin connector
- T3e 3-pin connector
- T4db 4-pin connector
- T60 60-pin connector
- T94 94-pin connector
- 316 Earth connection (sender earth 2) in engine wiring harness
- 410 Earth connection 1 (sender earth) in main wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * According to equipment
- *2 Only models with no air conditioning system/Climatronic
- *3 Only models with air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- ll = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Intake air temperature sender, Intake manifold pressure sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine control unit, Charge pressure positioner

- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector
- T4bf 4-pin connector
- T6bm 6-pin connector
- T60 60-pin connector
- V465 Charge pressure positioner

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * Wiring colour depends on equipment



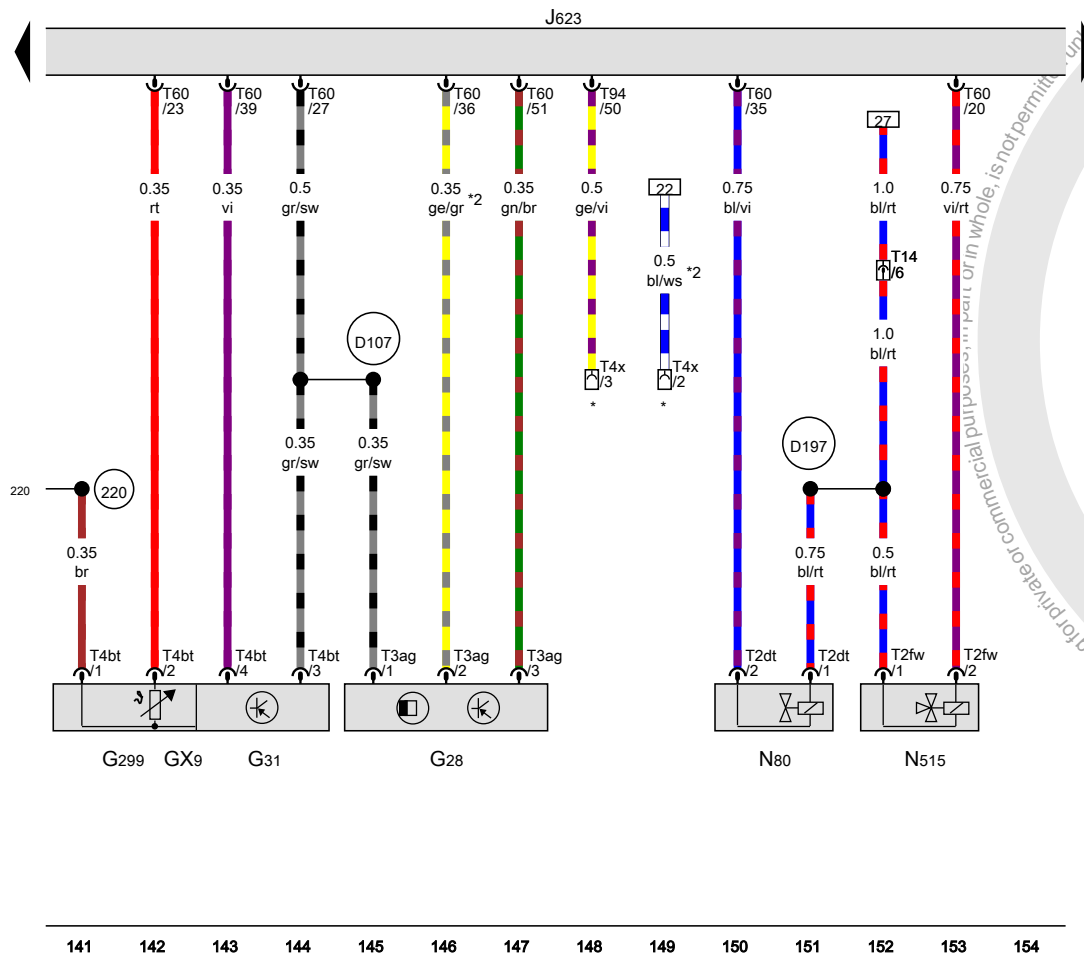
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-054110915

Intake manifold sender, Engine speed sender, Intake air temperature sender 2, Engine control unit, Activated charcoal filter solenoid valve 1, Coolant regulating valve

- GX9 Intake manifold sender
- G28 Engine speed sender
- G31 Charge pressure sender
- G299 Intake air temperature sender 2
- J623 Engine control unit, central in plenum chamber
- N80 Activated charcoal filter solenoid valve 1
- N515 Coolant regulating valve
- T2dt 2-pin connector
- T2fw 2-pin connector
- T3ag 3-pin connector
- T4bt 4-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D107) Connection 5 in engine compartment wiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness
- * Radiator fan connection
- *2 Wiring colour depends on equipment



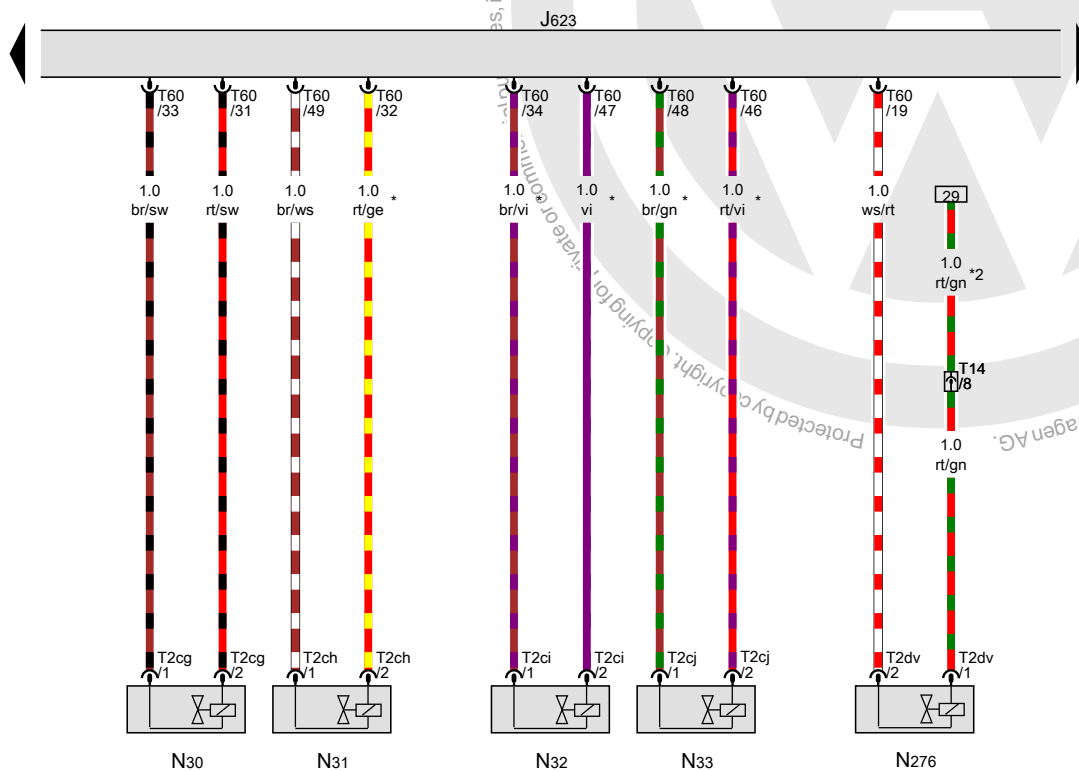
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

[162-054120915]

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve

- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- Wiring colour depends on equipment
- Cross-section 1.5 possible



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

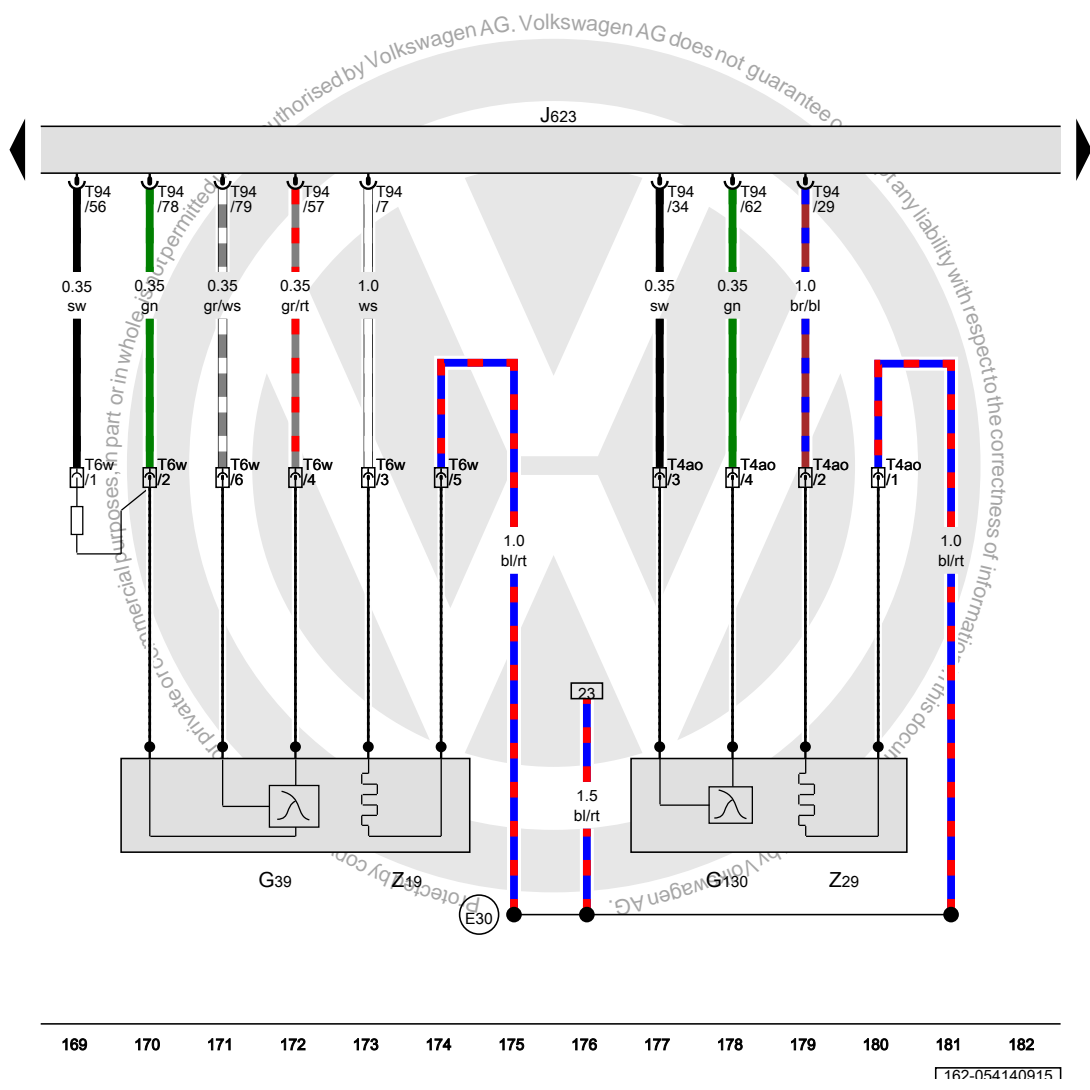
155 156 157 158 159 160 161 162 163 164 165 166 167 168

[162-054130915]

Lambda probe, Lambda probe after catalytic converter, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit, central in plenum chamber
- T4ao 4-pin connector, near Lambda probe
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness



Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

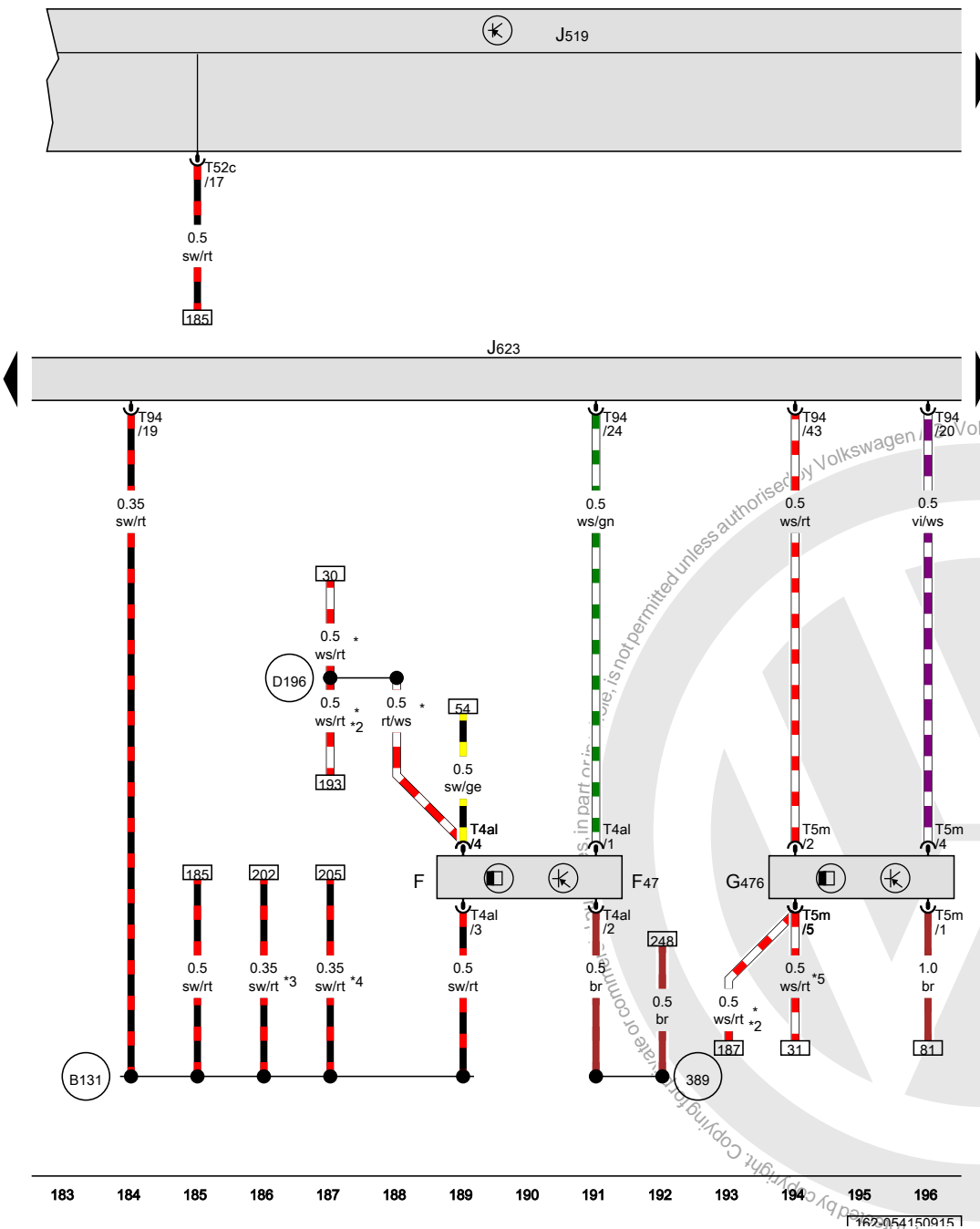
- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

389 Earth connection 24, in main wiring harness

B131 Connection (54), in interior wiring harness

D196 Connection 2 (87a) in engine prewiring harness

- * gradual introduction
- *2 According to equipment
- *3 Only models with ABS and no ESP
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *5 Gradually discontinued



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Engine control unit

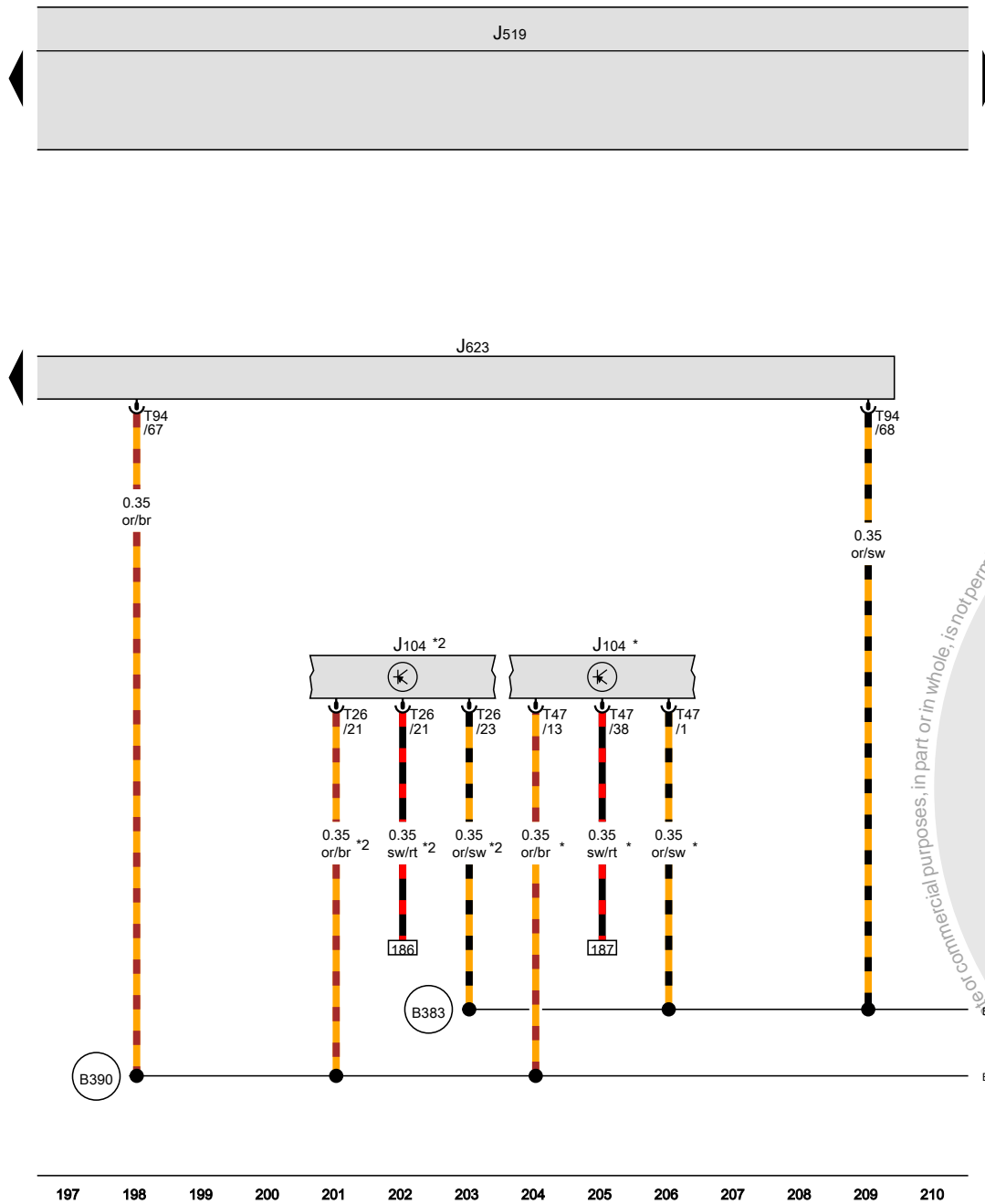
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

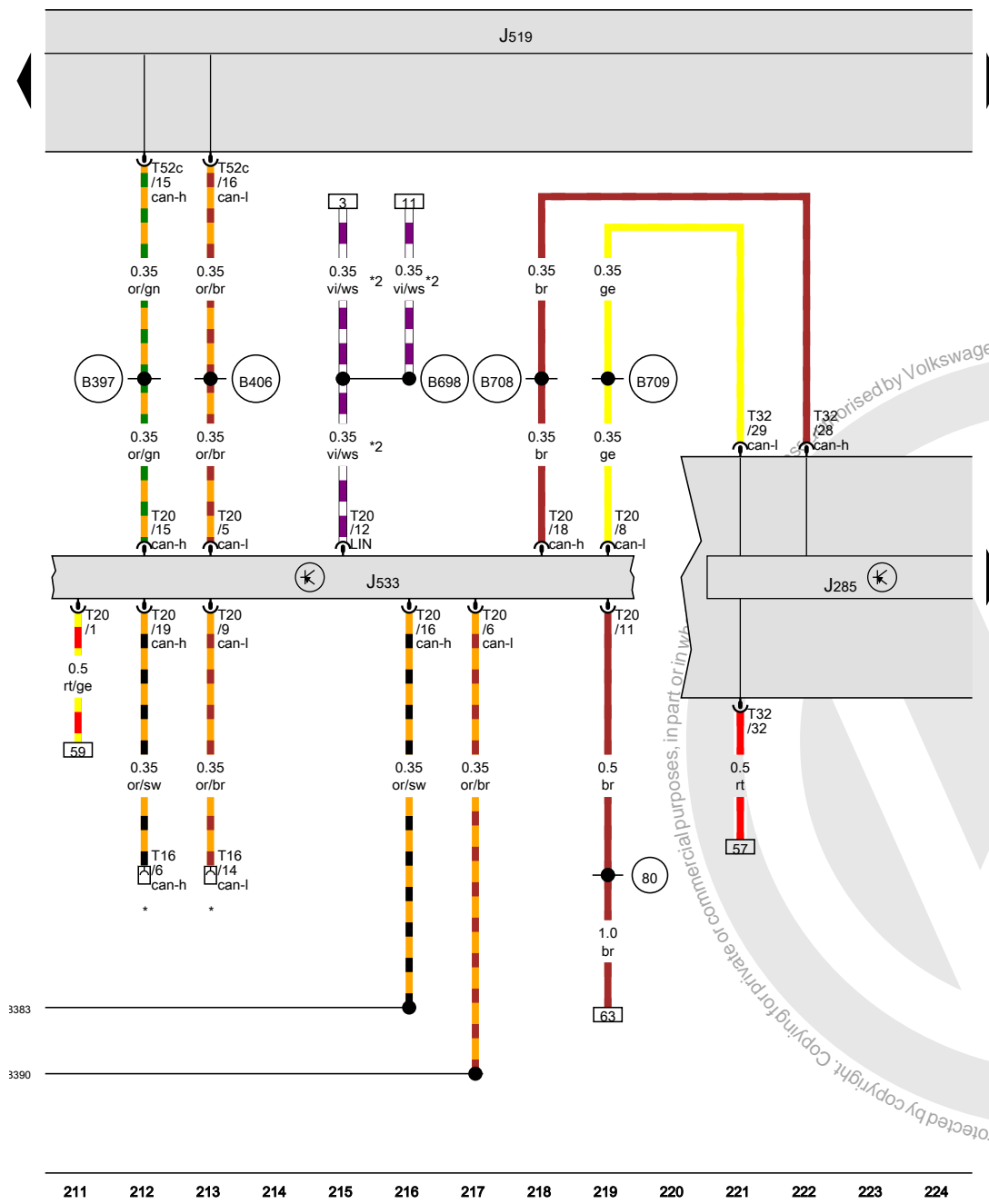
* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-054160915



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

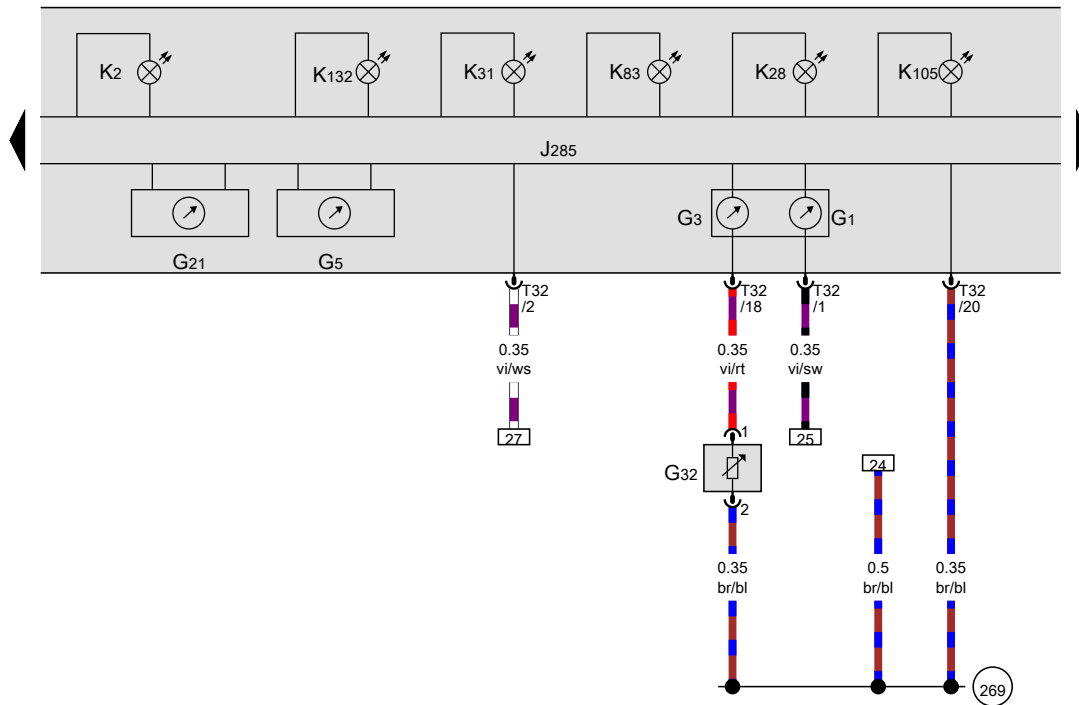
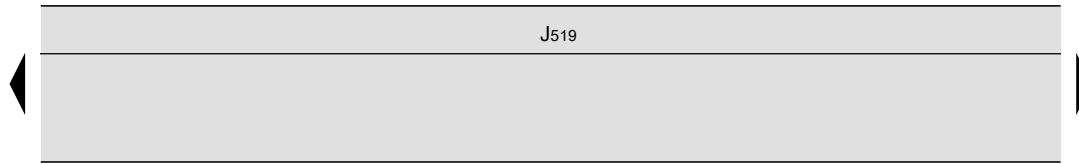
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- 80 Earth connection 1, in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

225 226 227 228 229 230 231 232 233 234 235 236 237 238

[162-054180915]

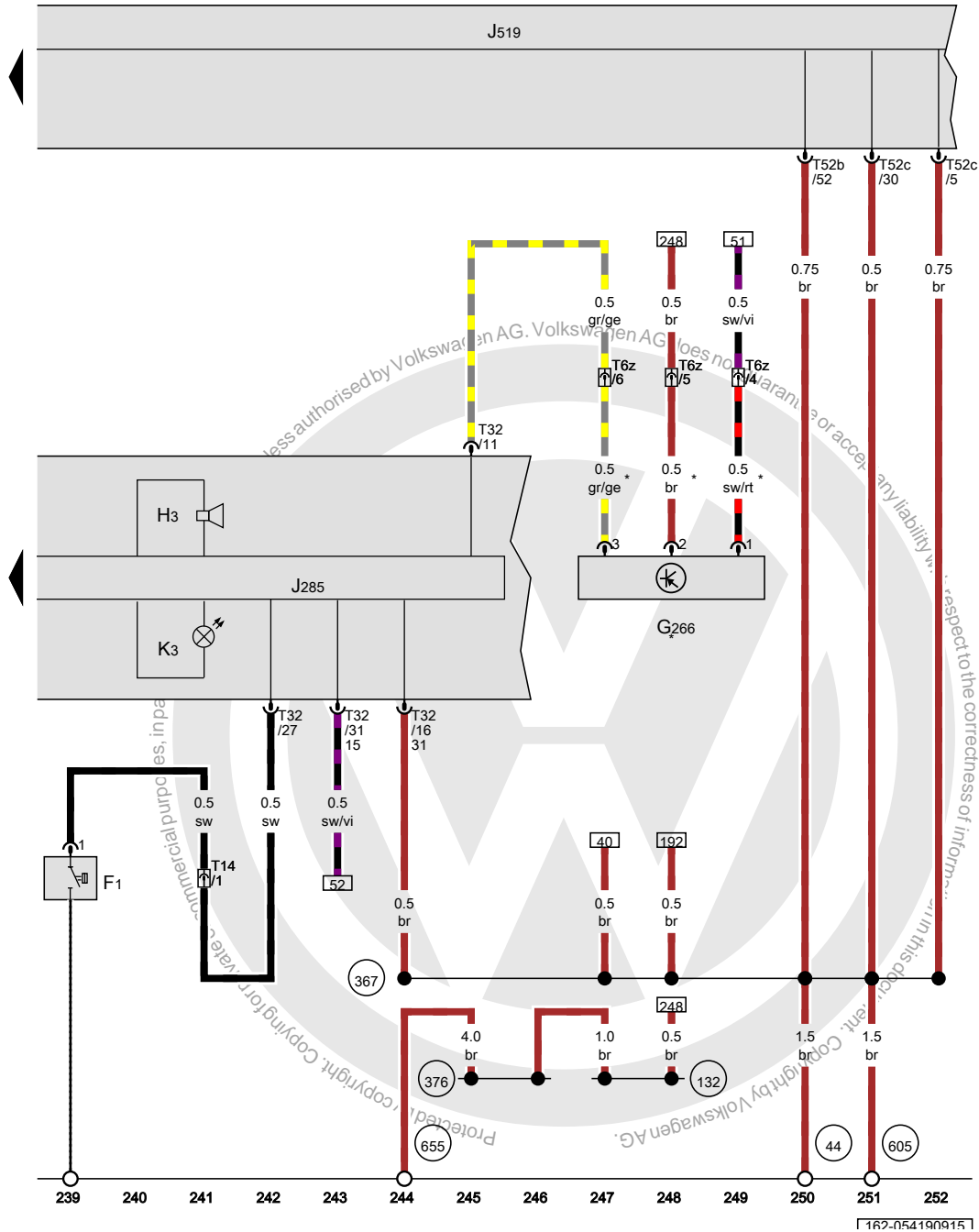
Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 44 Earth point, lower part of left A-pillar
- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight

* Only models with flexible service interval display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



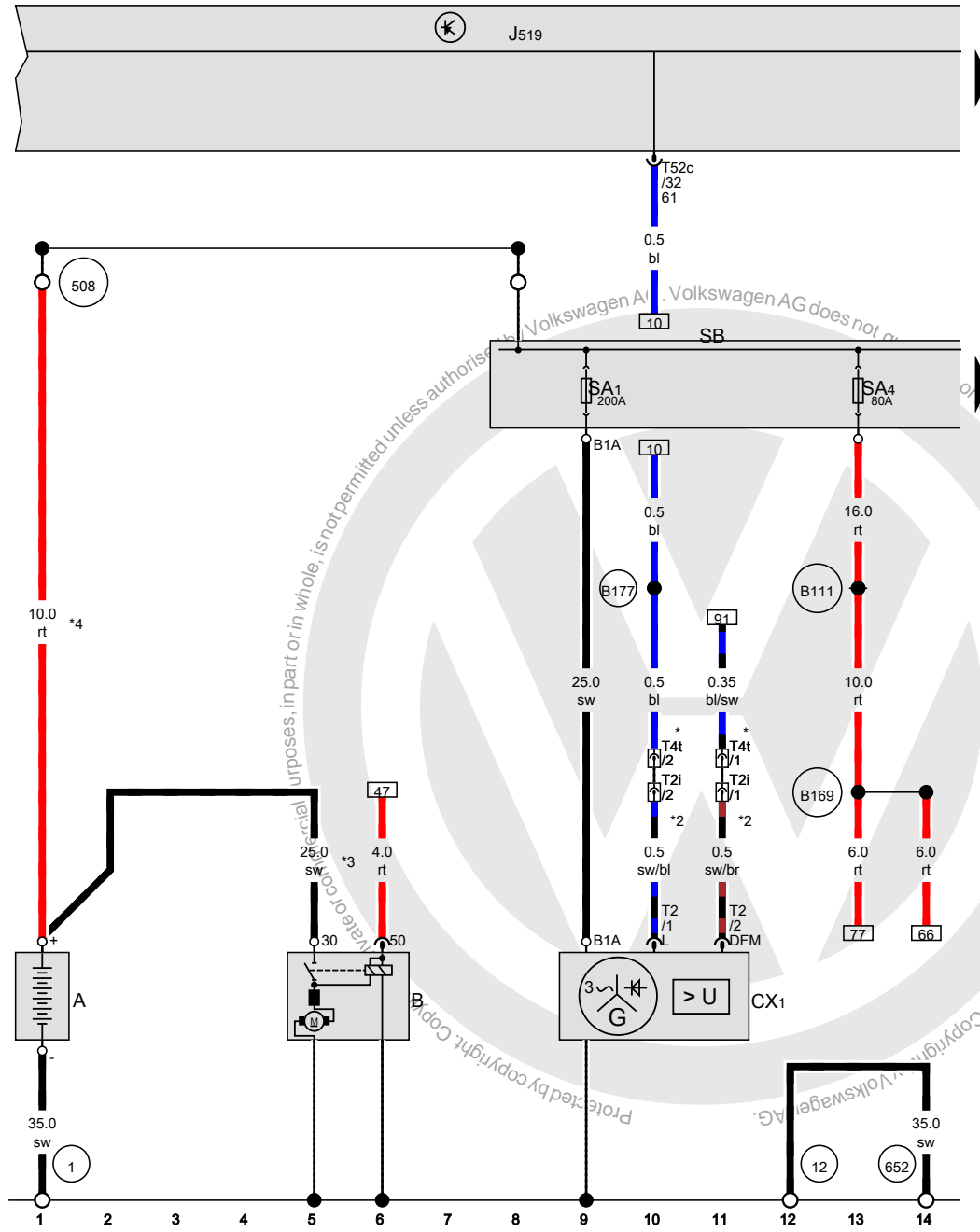
162-054190915

1.4l petrol engine , CFBA

From June 2011



Battery, Starter, Alternator with voltage regulator, Onboard supply control unit, Fuse holder B



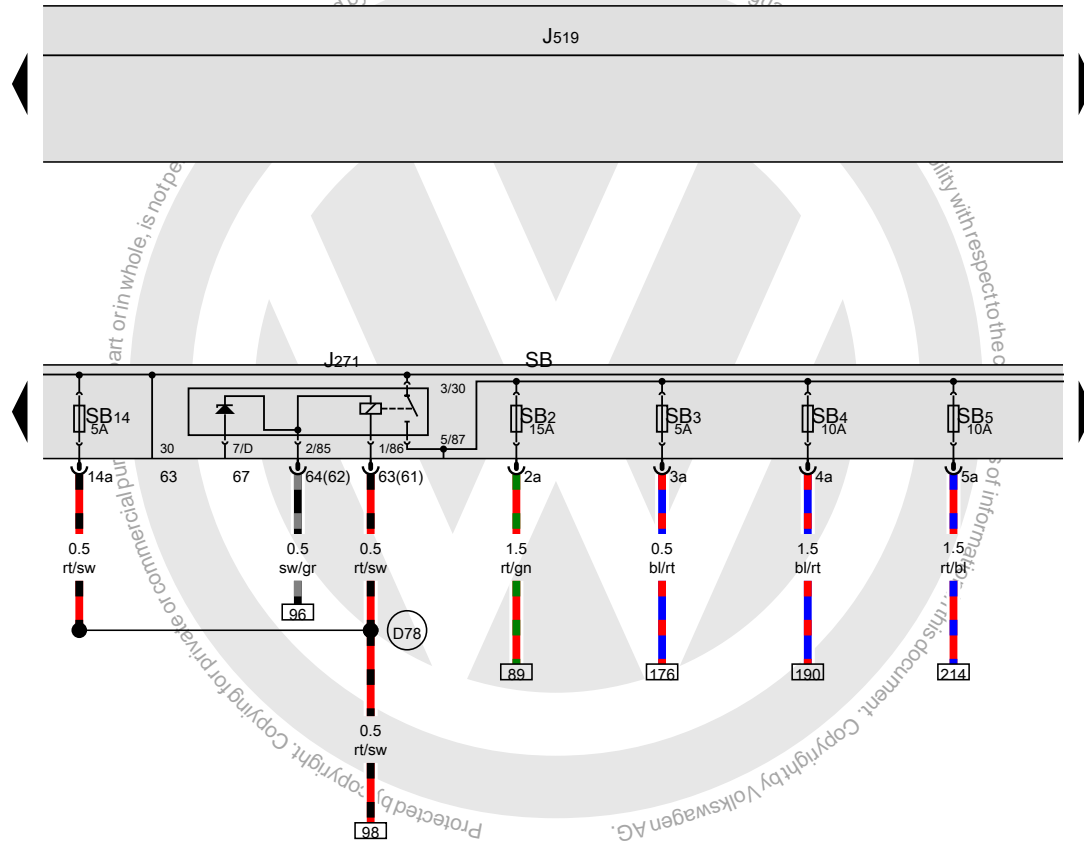
- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 Cross-section 35.0 possible
- *4 Cross-section 16.0 possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-055020415



Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B

(D78) Positive connection 1 (30a), in engine compartment wiring harness

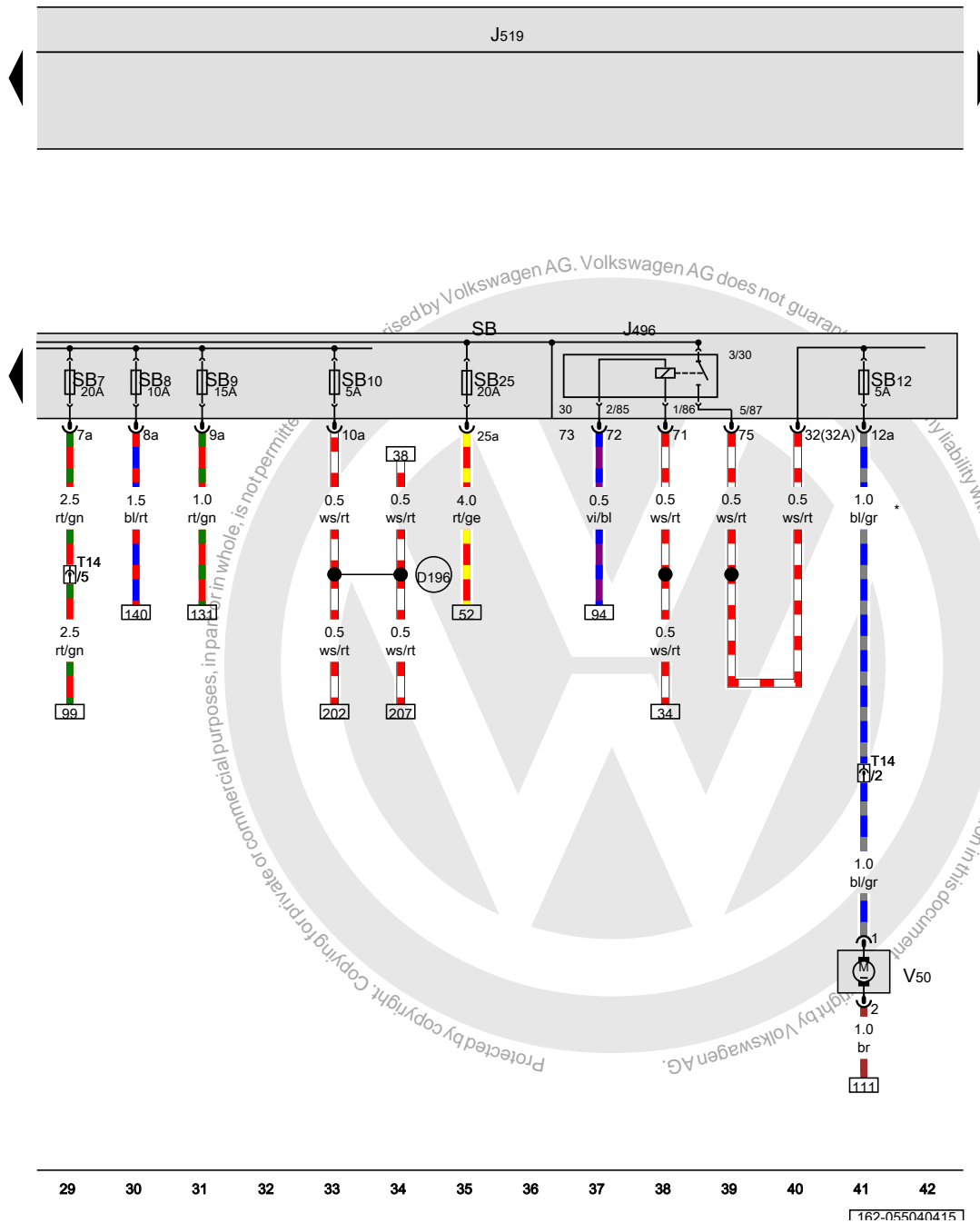
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

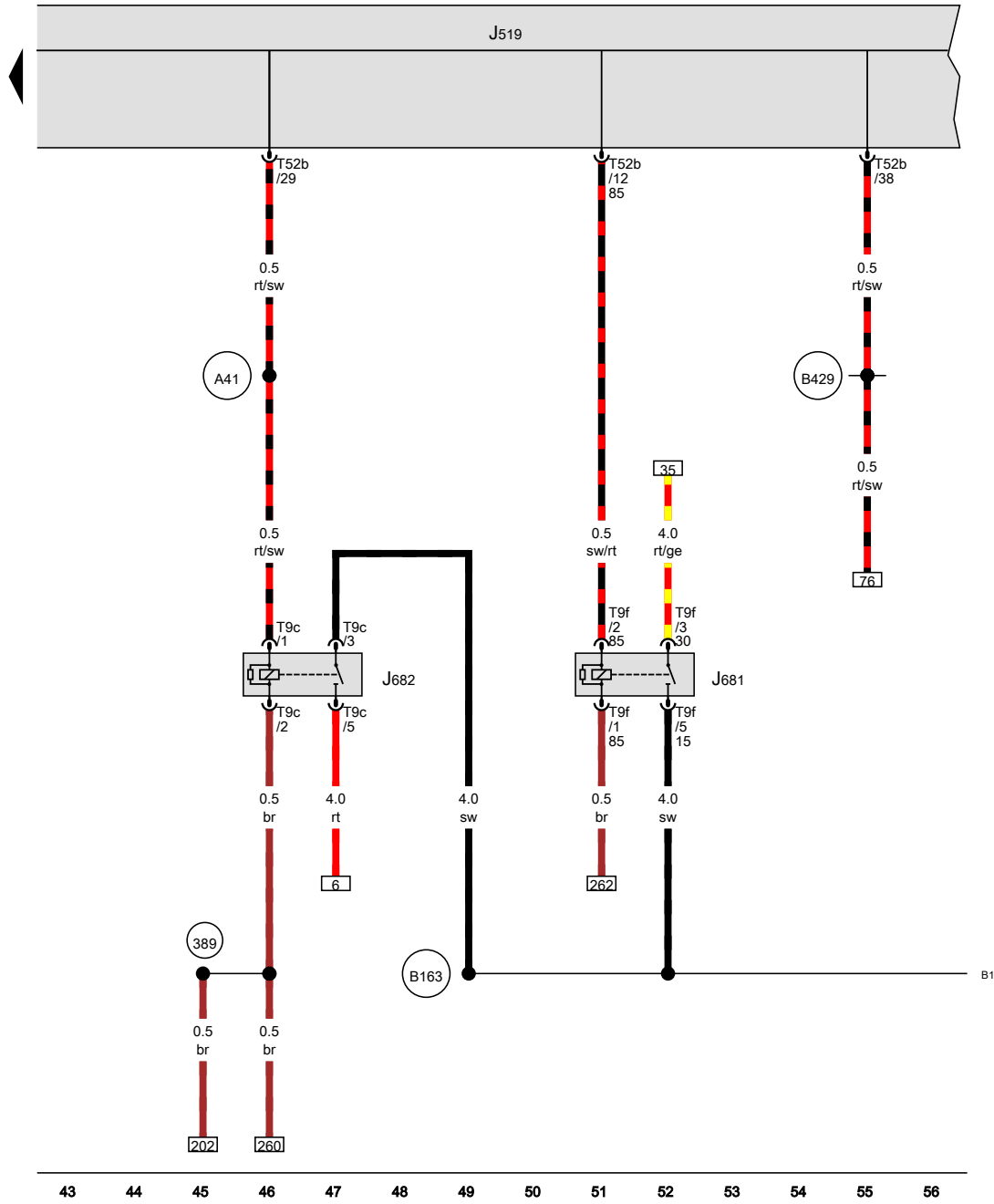
162-055030415

Additional coolant pump relay, Onboard supply control unit, Fuse holder B, Coolant circulation pump

- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector, near battery
- V50 Coolant circulation pump
- D196 Connection 2 (87a) in engine prewiring harness
- * Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B429 Connection (EFPR), in main wiring harness

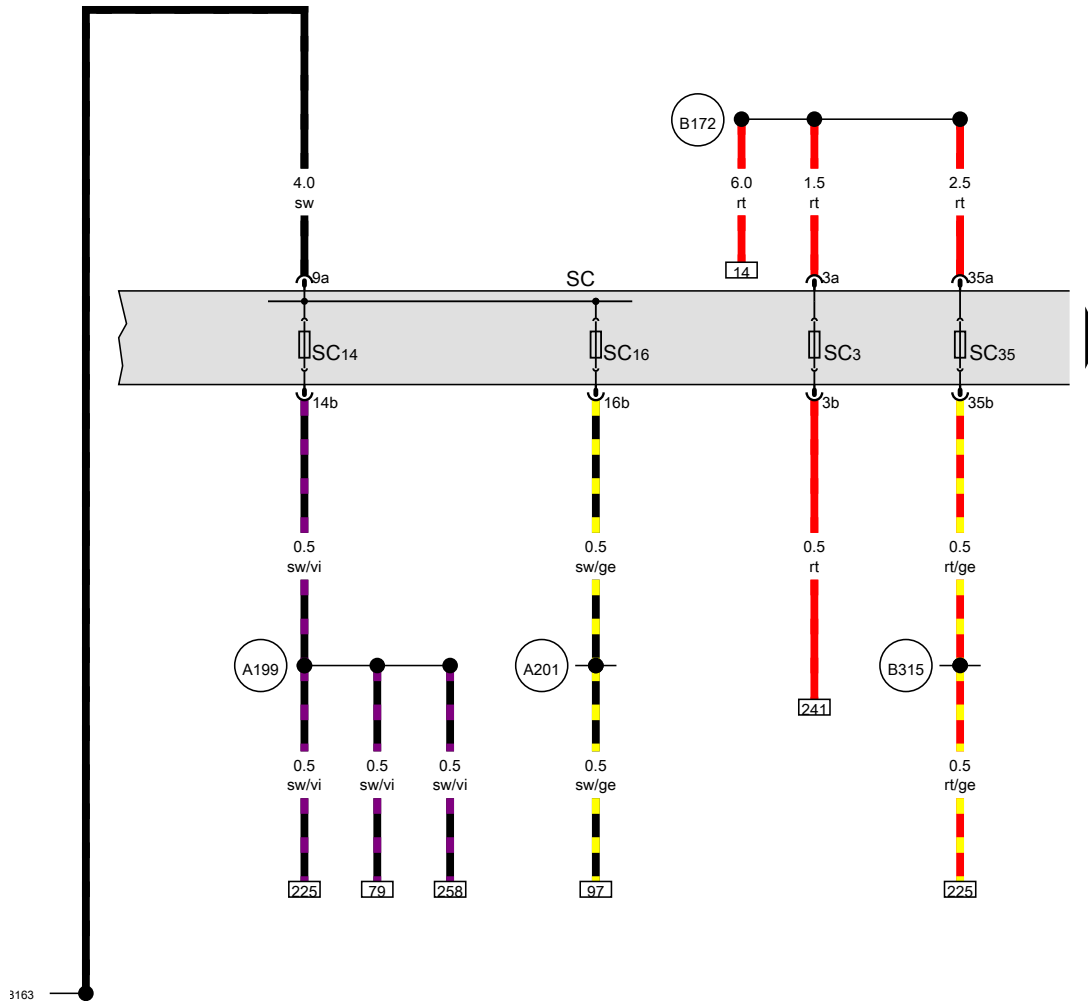
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-055050415]

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

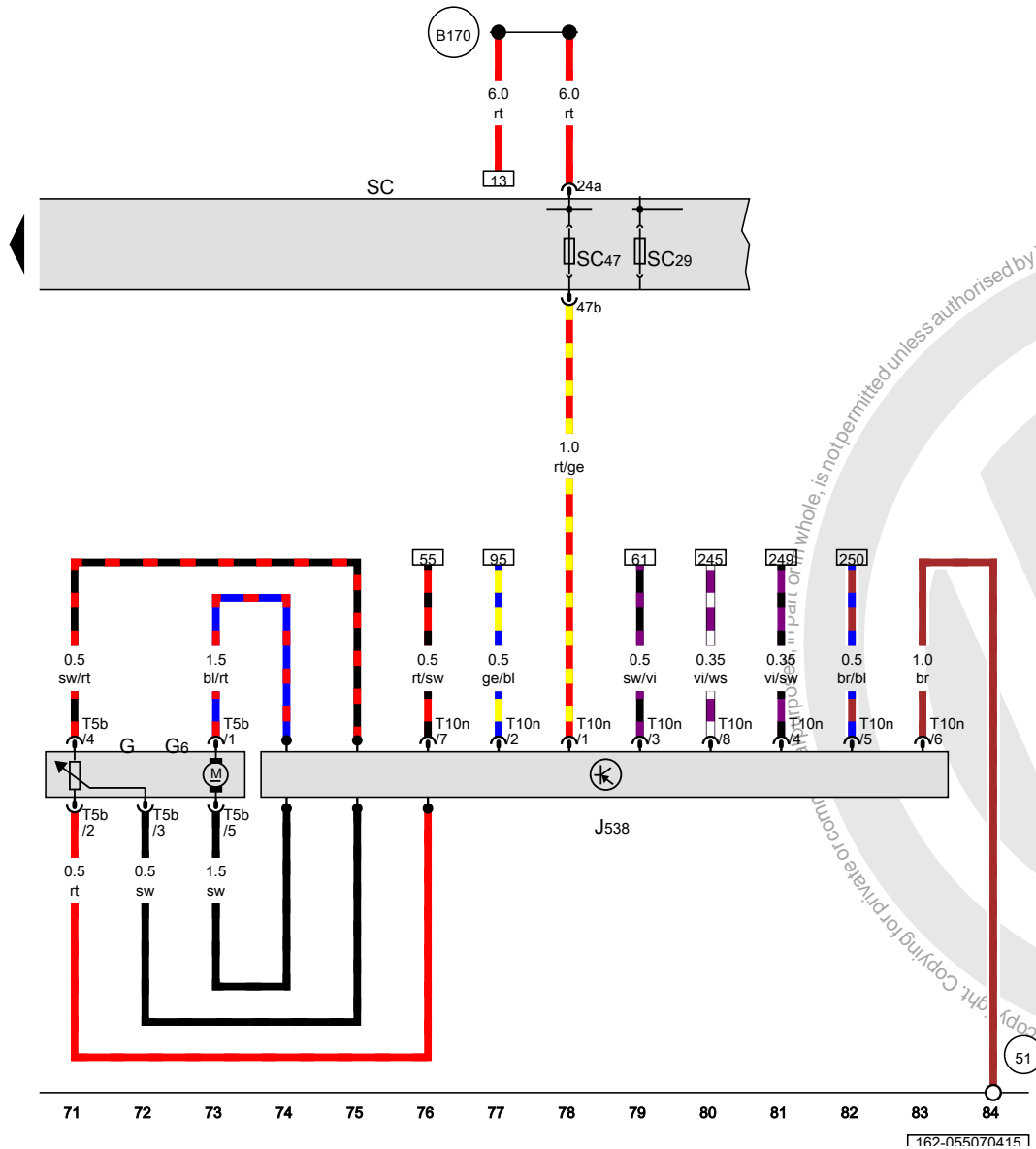
[162-055060415]

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump control unit, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- SC Fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5b 5-pin connector
- T10n 10-pin connector

51 Earth point, on right in luggage compartment

B170 Positive connection 2 (30), in interior wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

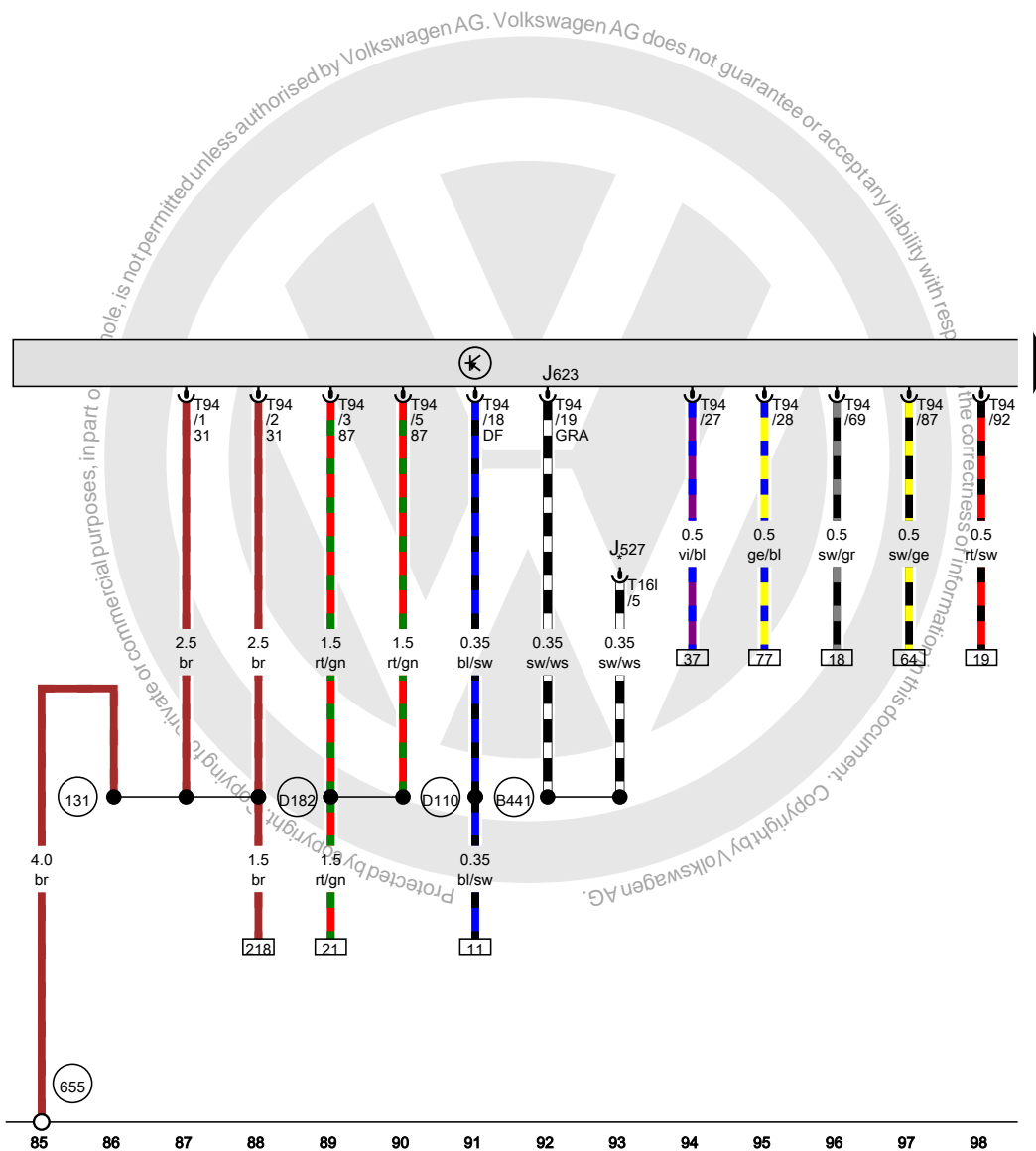
162-055070415

Engine control unit

- J527 Steering column electronics control unit
- J623 Engine control unit
- T161 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness

* Only models with cruise control system (CCS)



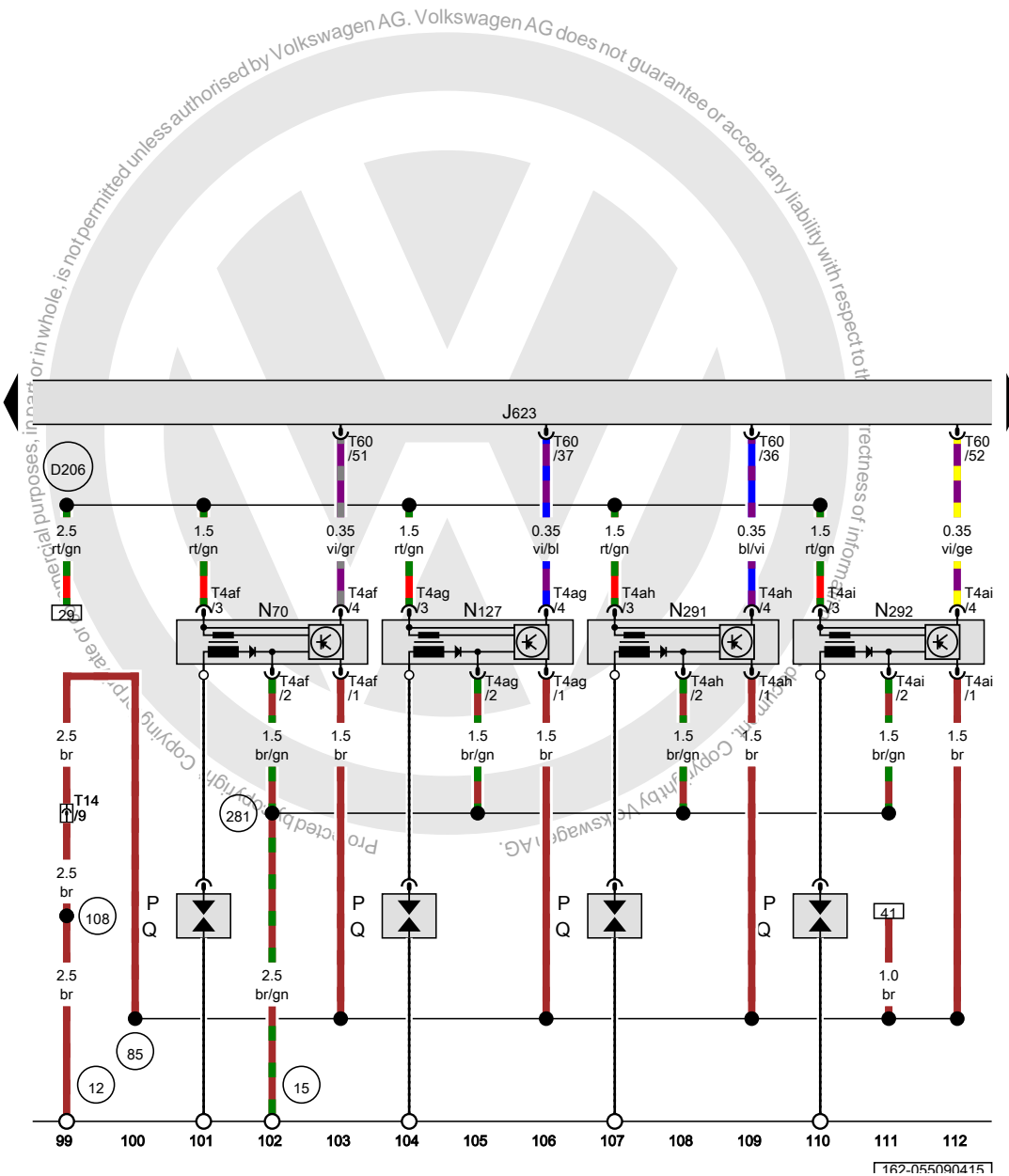
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-055080415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

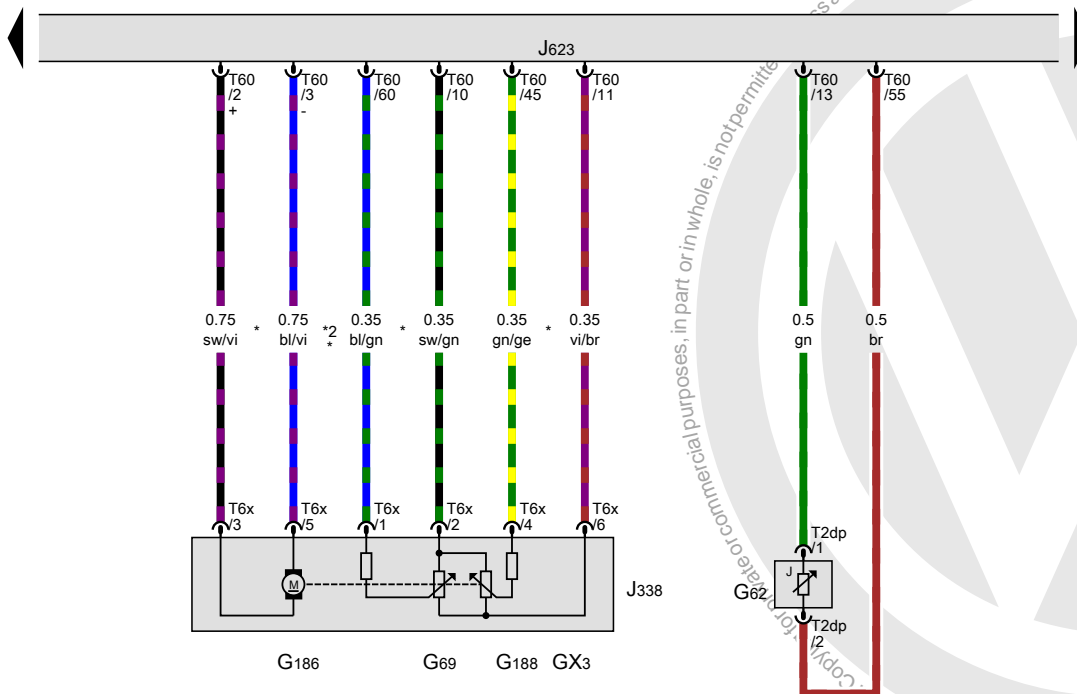


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-055090415

Throttle valve module, Coolant temperature sender, Engine control unit

- GX3 Throttle valve module
- G62 Coolant temperature sender
- G69 Throttle valve potentiometer
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T2dp 2-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- * Cross section depends on equipment
- *2 Wiring colour depends on equipment

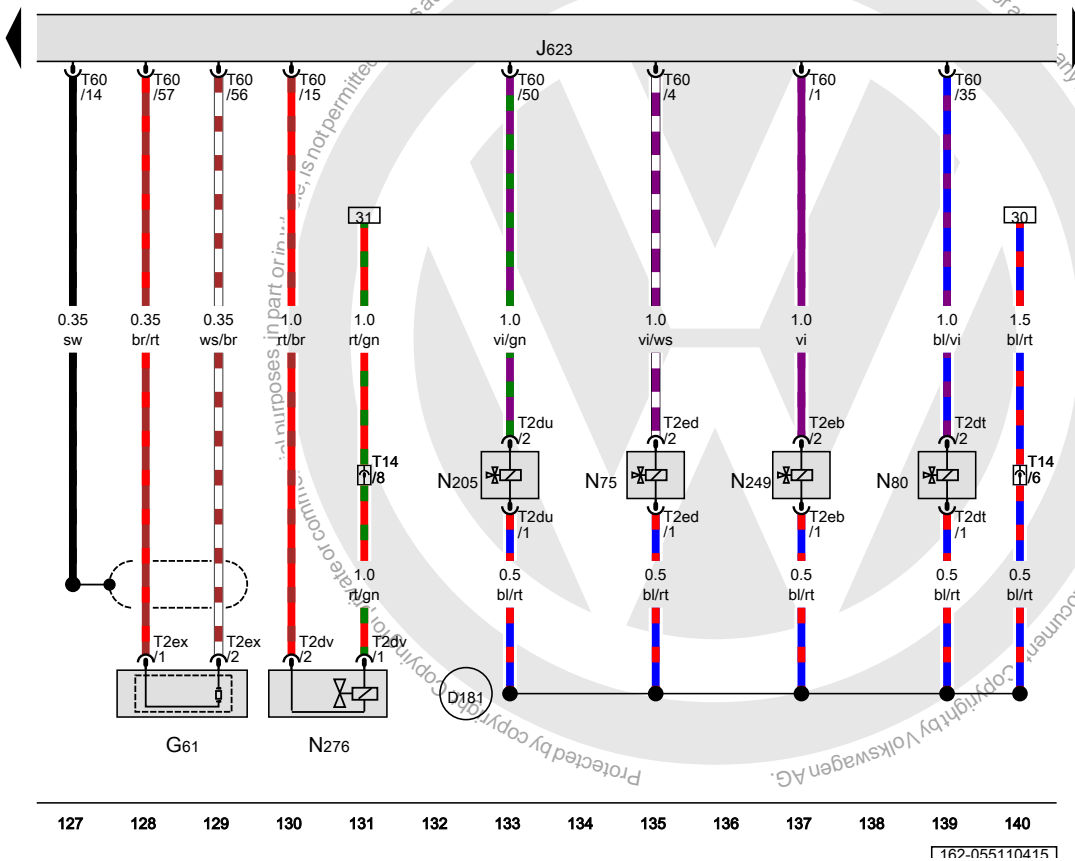


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Knock sensor 1, Engine control unit, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Fuel pressure regulating valve

- G61 Knock sensor 1
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T2ex 2-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

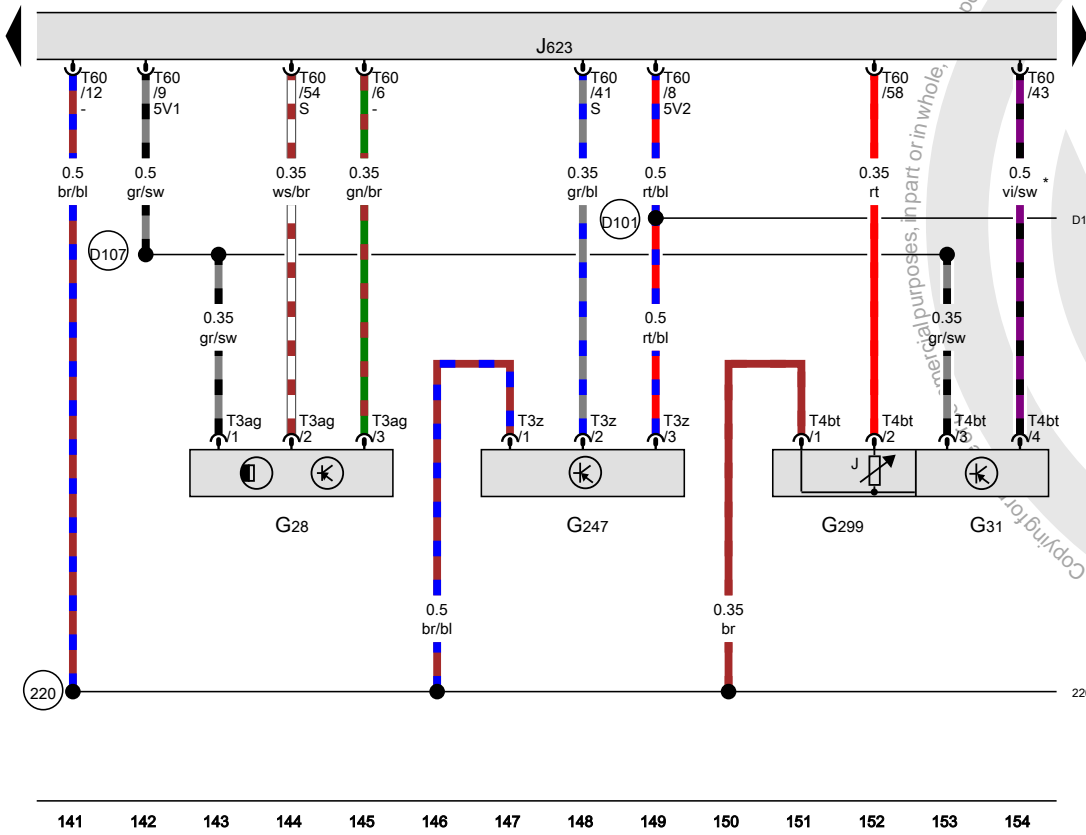
D181 Connection 2 (87a) in engine compartment wiring harness



Engine speed sender, Charge pressure sender, Fuel pressure sender, Intake air temperature sender 2, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- J623 Engine control unit
- T3ag 3-pin connector
- T3z 3-pin connector
- T4bt 4-pin connector
- T60 60-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-055120415

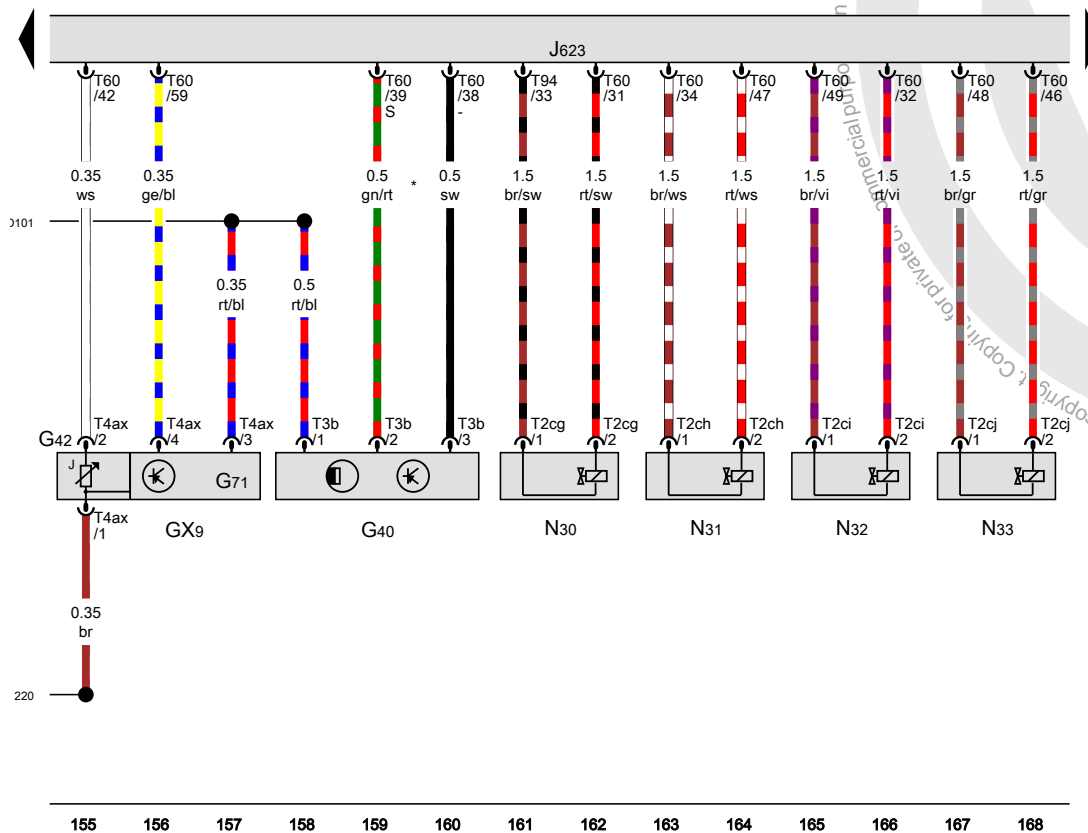
Intake manifold sender, Hall sender, Intake air temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- GX9 Intake manifold sender
- G40 Hall sender, on right of cylinder block
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T3b 3-pin connector
- T4ax 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

* Cross section depends on equipment



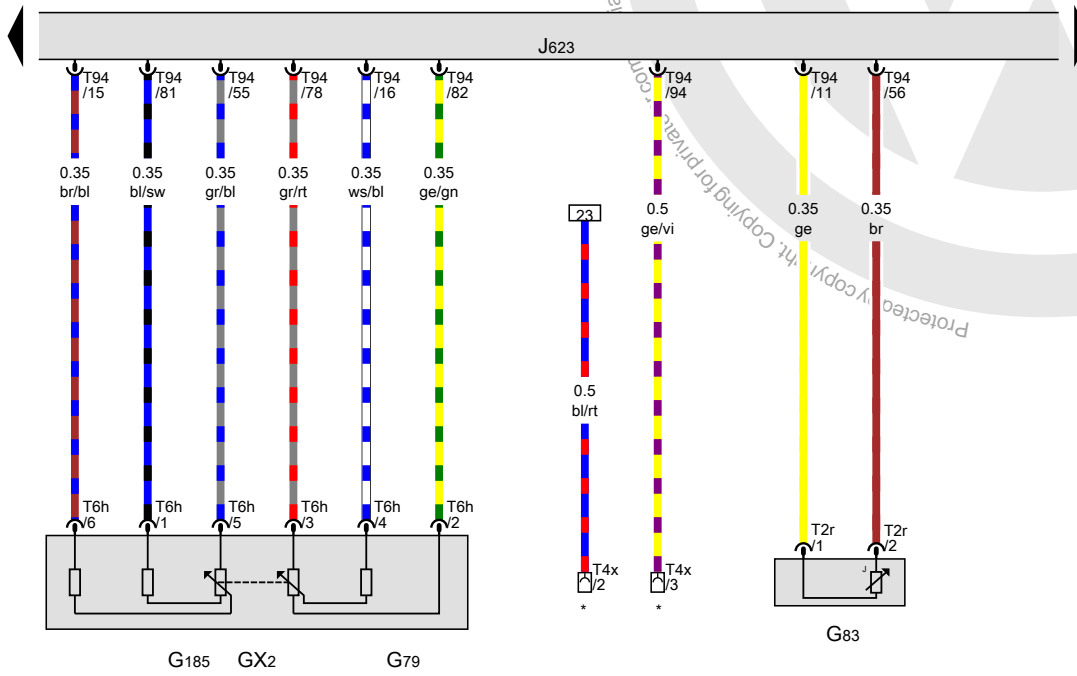
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

[162-055130415]

Accelerator pedal module, Radiator outlet coolant temperature sender, Accelerator position sender 2, Engine control unit

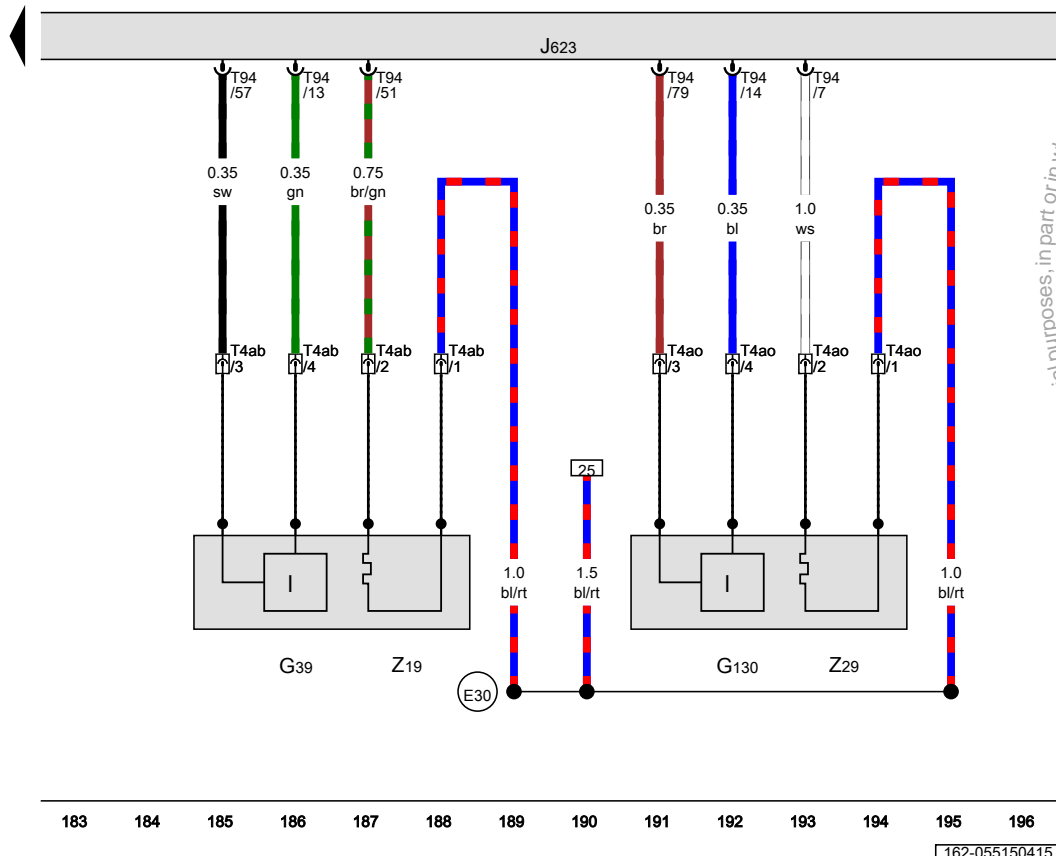
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T2r 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector
- * Radiator fan connection



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ab 4-pin connector
- T4ao 4-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

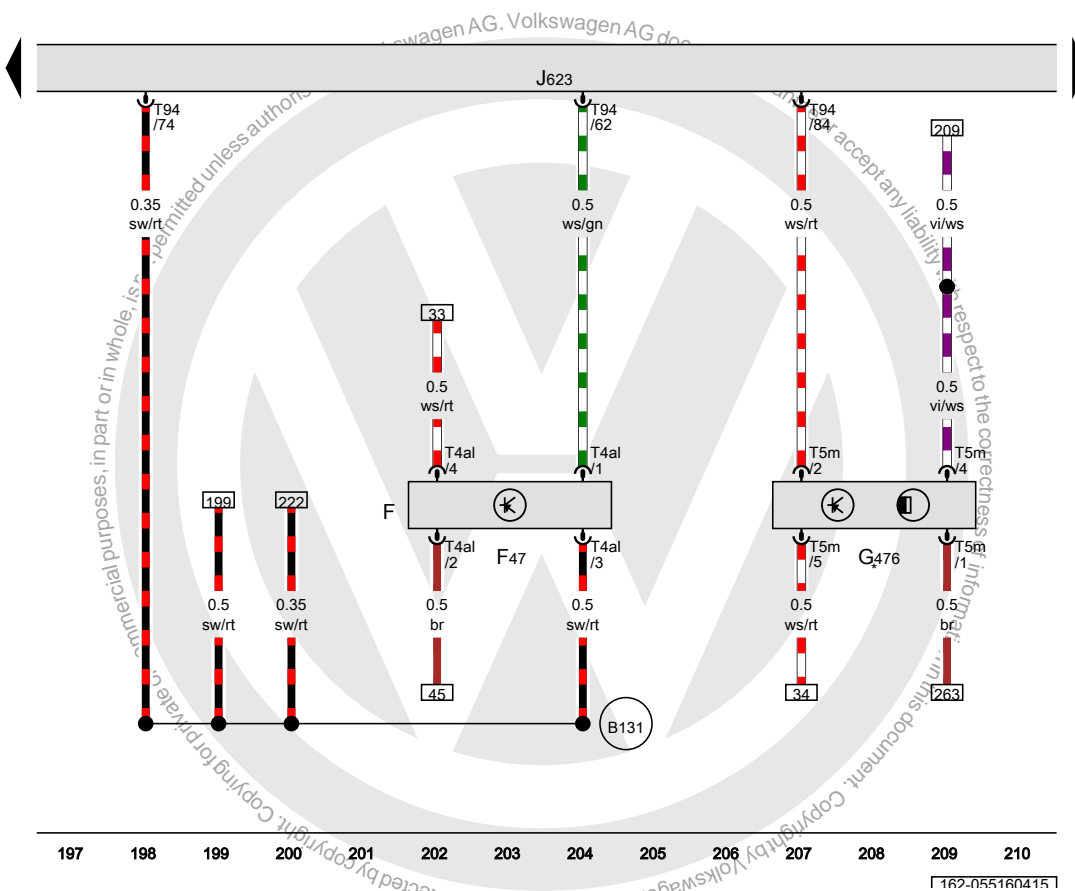
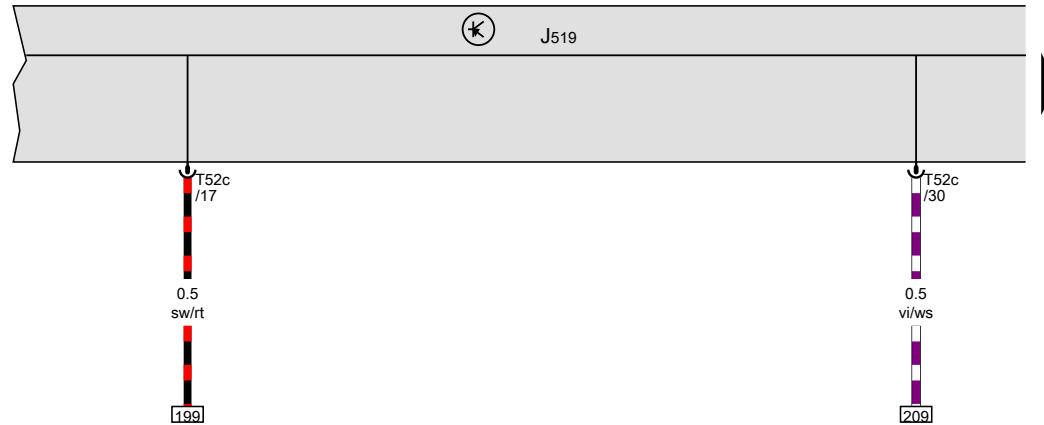
[162-055150415]

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

(B131) Connection (54), in interior wiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake servo pressure sensor, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

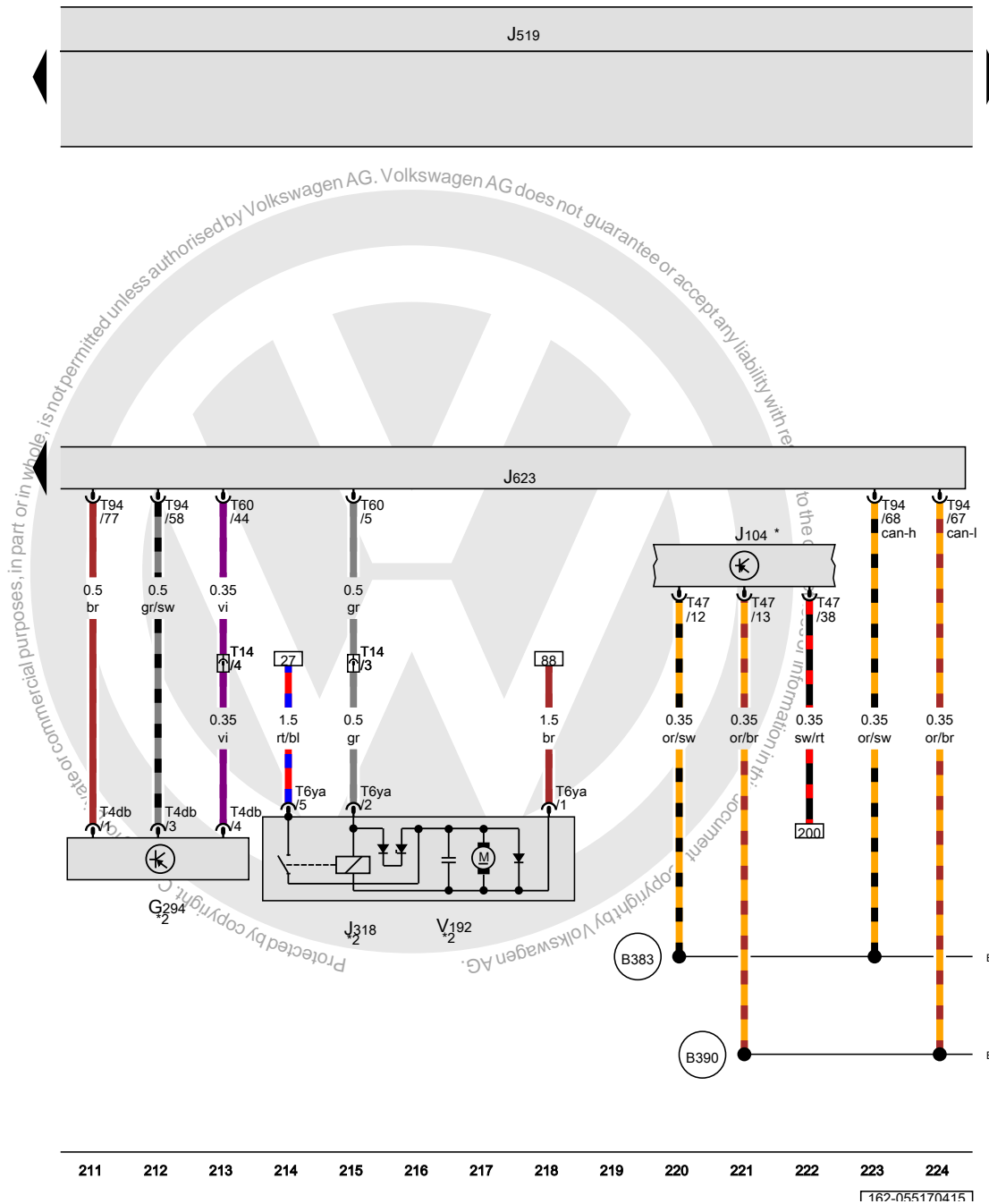
- G294 Brake servo pressure sensor
- J104 ABS control unit
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit
- T4db 4-pin connector
- T6ya 6-pin connector
- T14 14-pin connector, near battery
- T47 47-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes

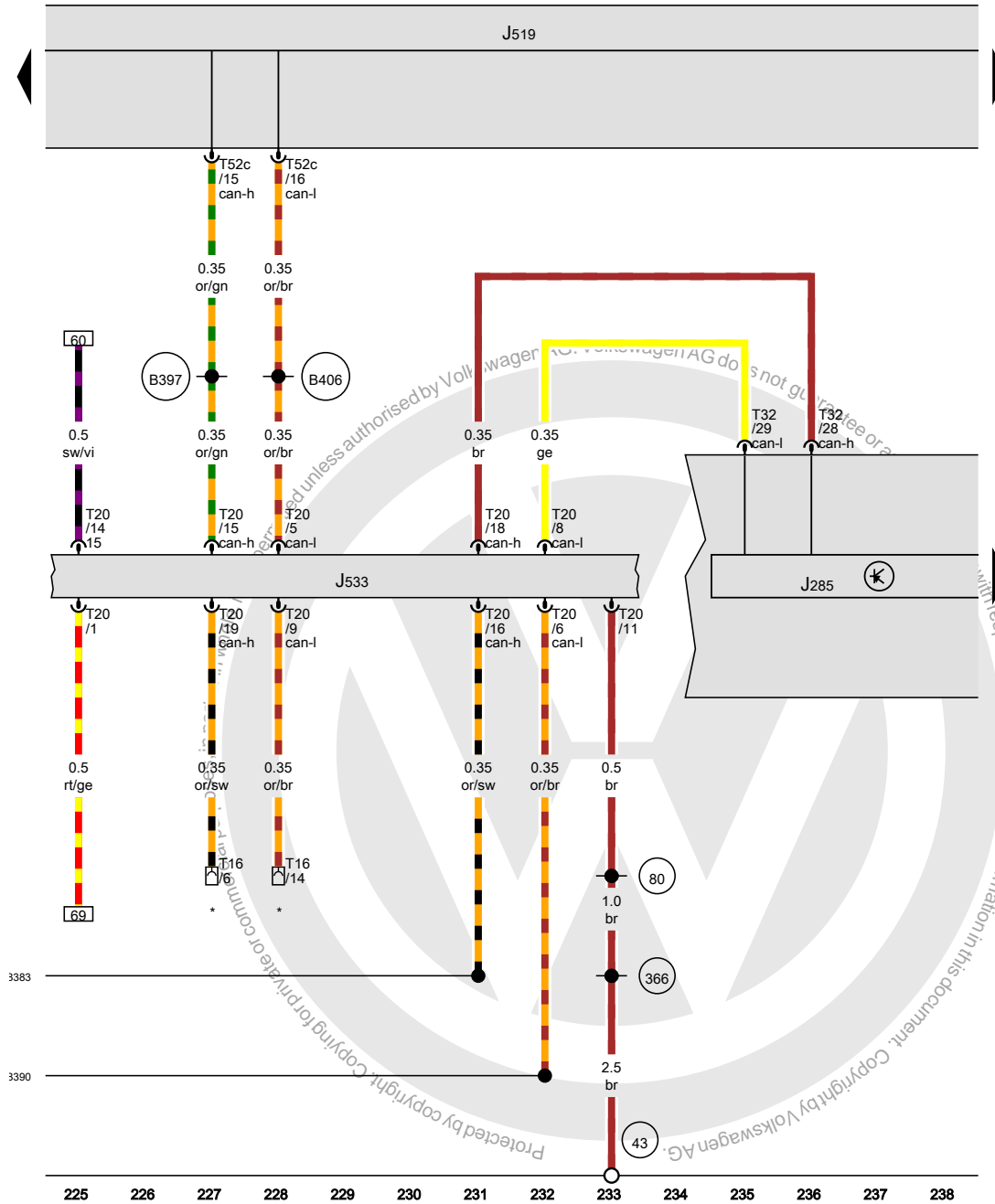
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 According to equipment





Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector, near lower part of left A-pillar
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

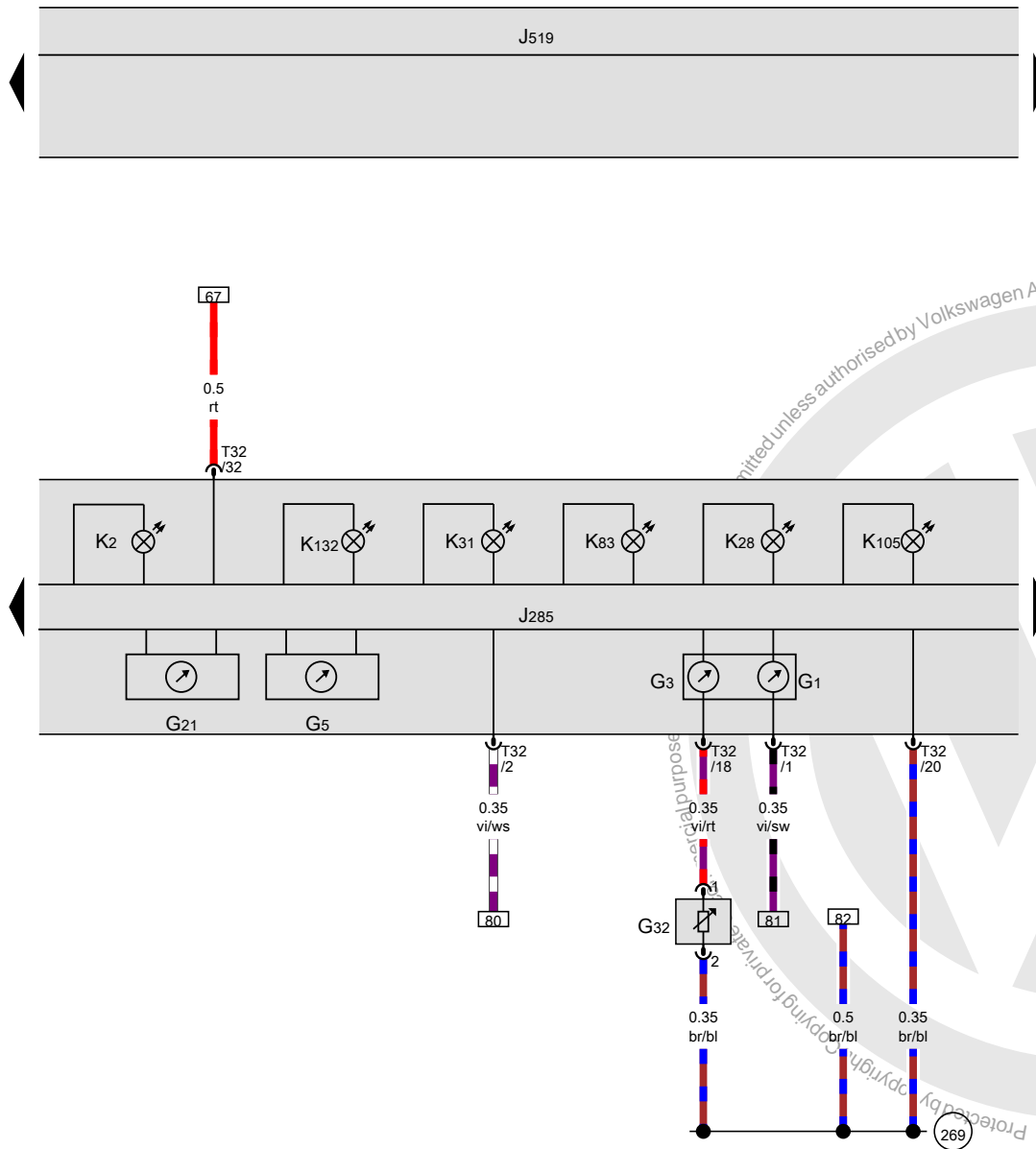
- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-055180415

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness

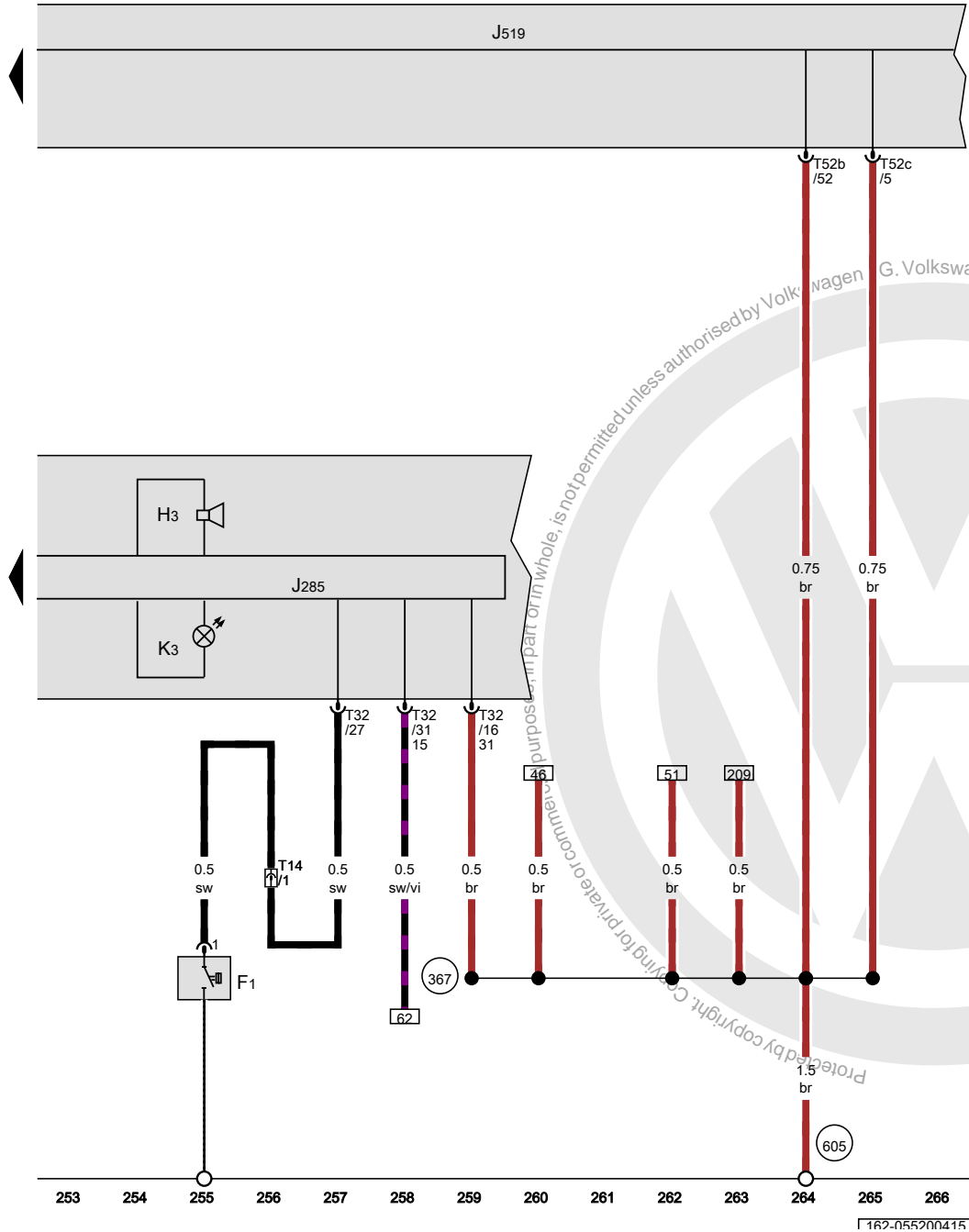


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column



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- ro = red
- rt = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

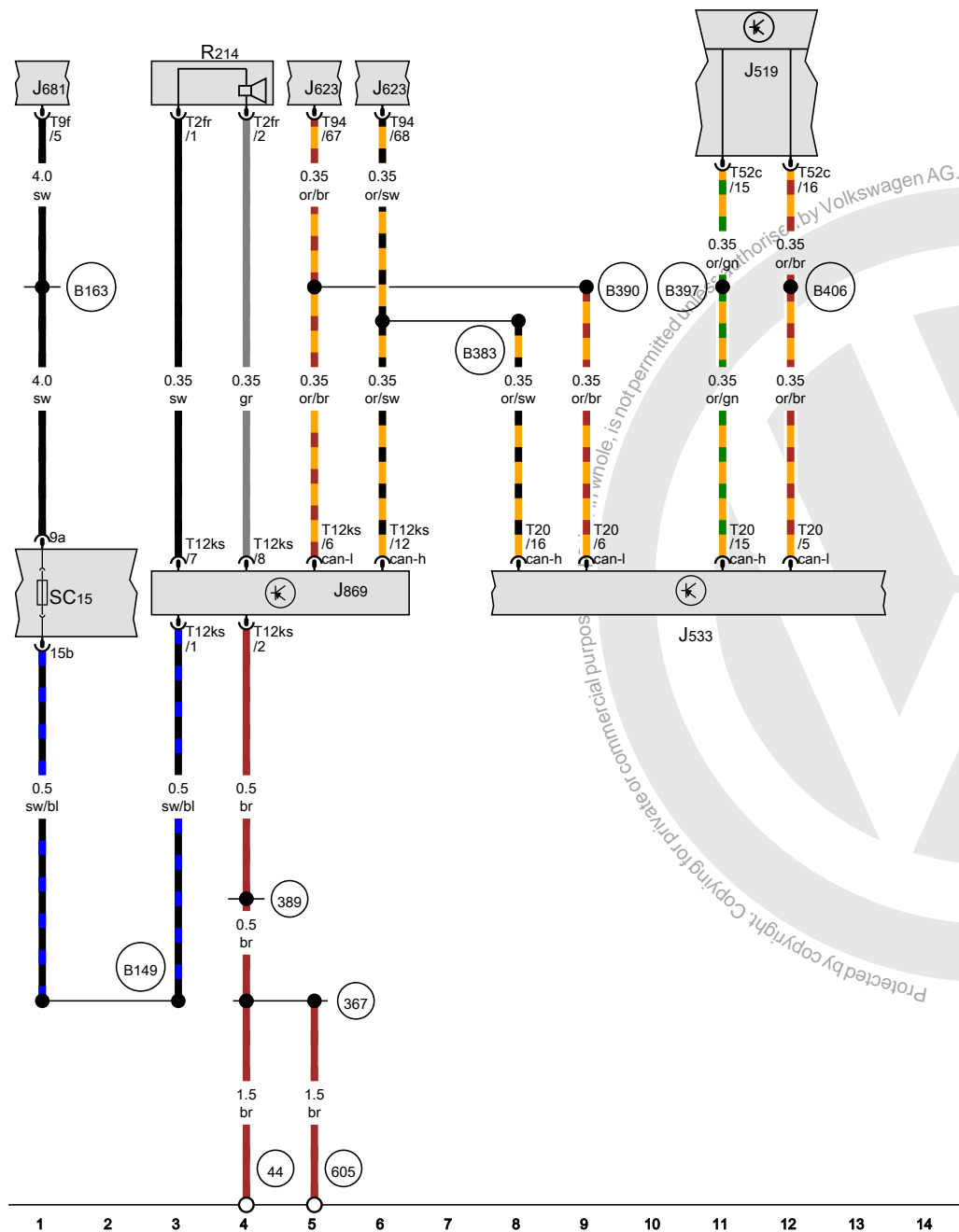
162-055200415

Actuator for structure-borne sound , (A8H)

From April 2010



Onboard supply control unit, Data bus diagnostic interface, Control unit for structure-borne sound, Actuator for structure-borne sound, Fuse 15 on fuse holder C



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J681 Terminal 15 voltage supply relay 2
- J869 Control unit for structure-borne sound
- R214 Actuator for structure-borne sound
- SC15 Fuse 15 on fuse holder C
- T2fr 2-pin connector
- T9f 9-pin connector
- T12ks 12-pin connector
- T20 20-pin connector
- T52c 52-pin connector
- T94 94-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- B149 Positive connection 2 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

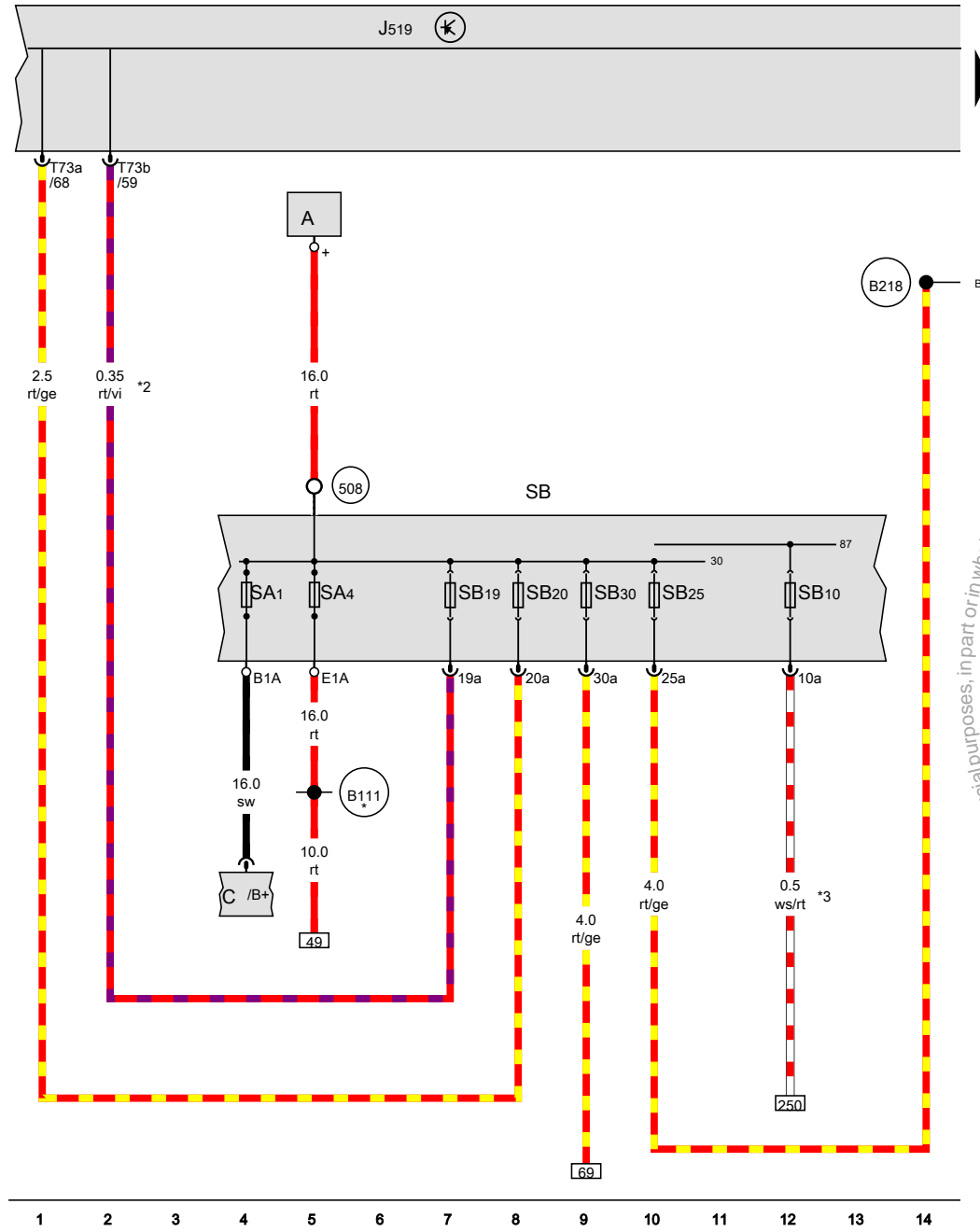
- ws = white
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- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink

162-056020415

Basic equipment , (AW0)

From June 2011





Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- C Alternator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- T73a 73-pin connector
- T73b 73-pin connector

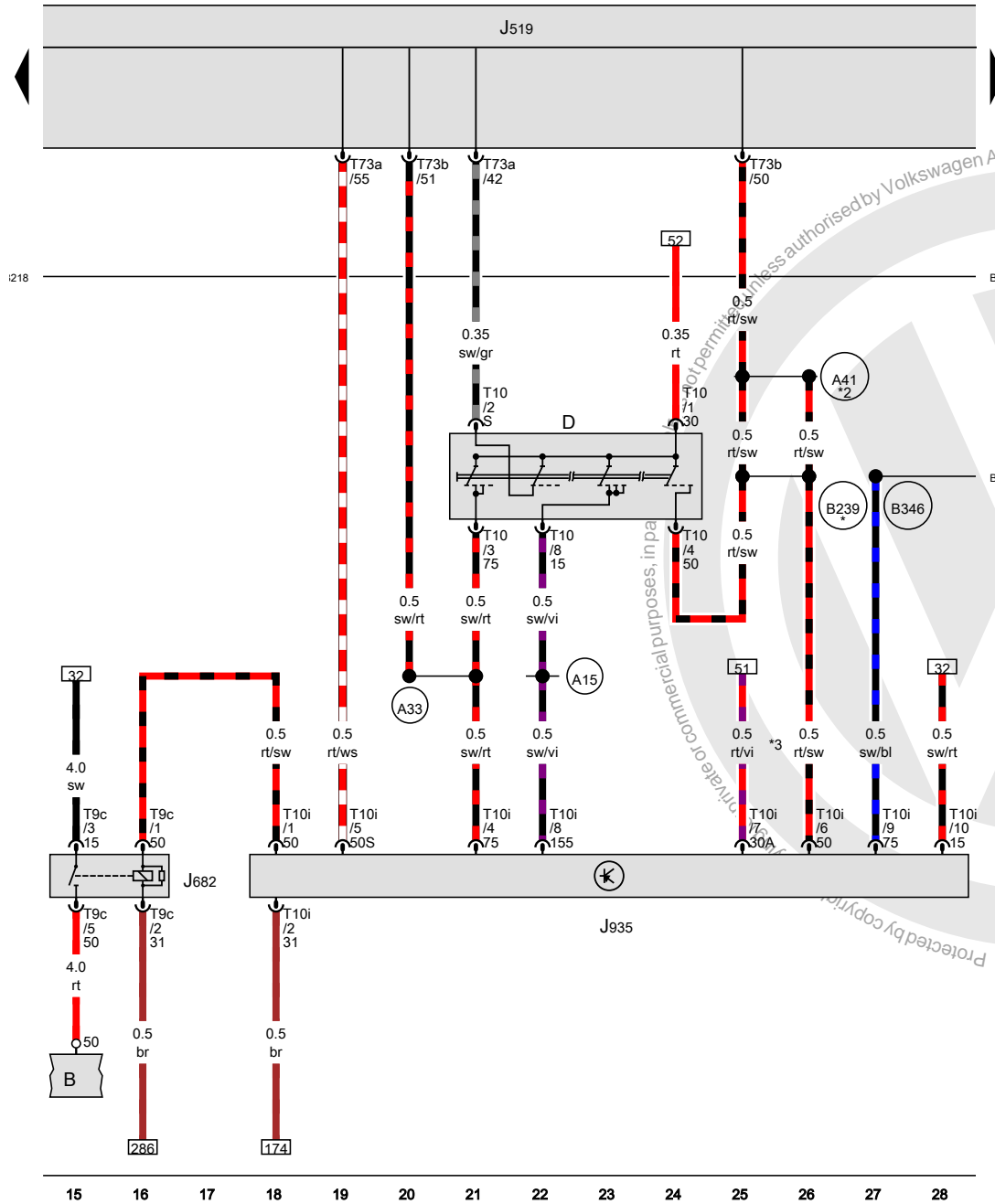
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness

- * Up to May 2013
- *2 Cross section depends on equipment
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-057021215

Ignition/starter switch, Onboard supply control unit, Terminal 50 voltage supply relay, Converter box



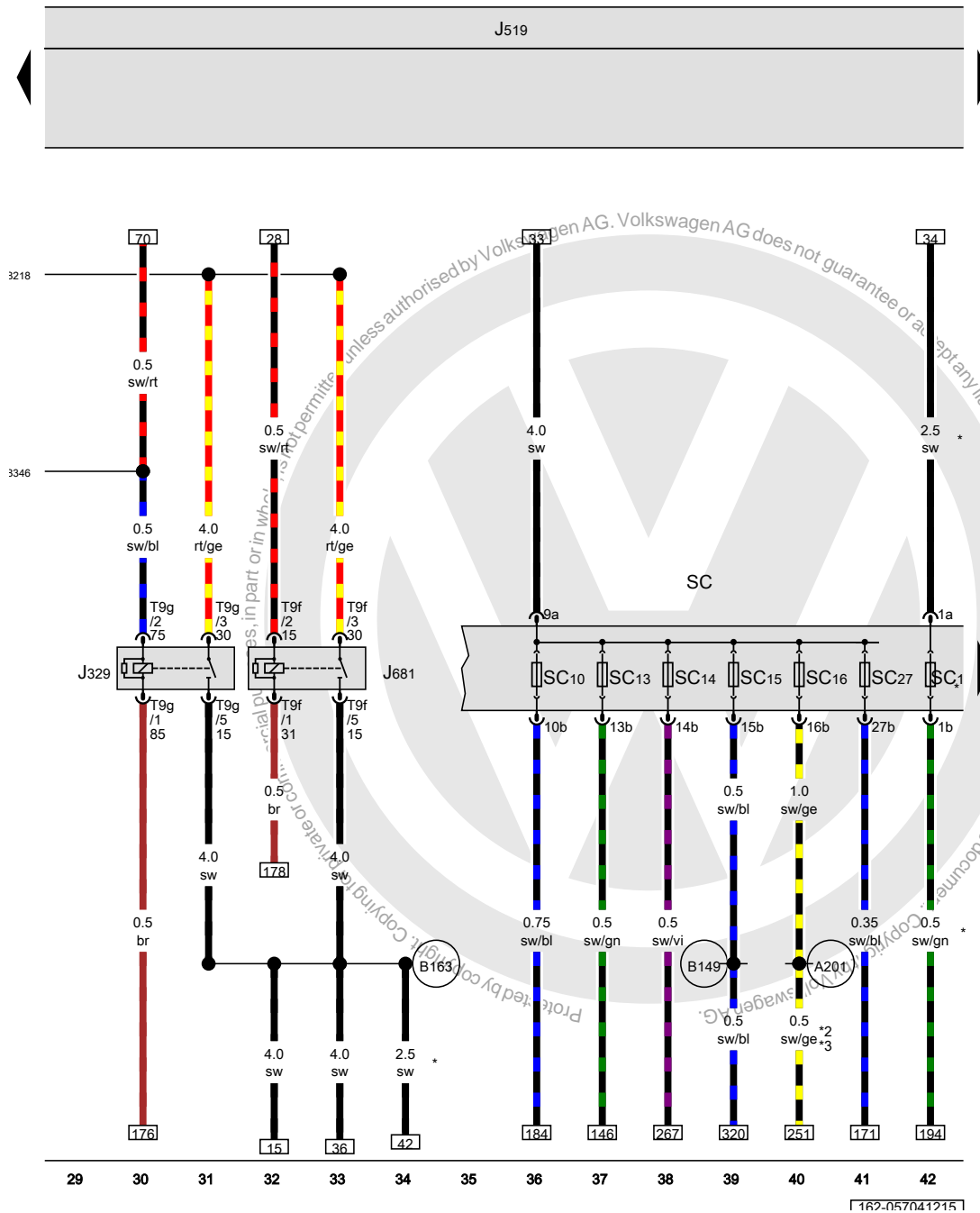
- B Starter
- D Ignition/starter switch
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- J935 Converter box
- T9c 9-pin connector
- T10 10-pin connector
- T10i 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness

- * Up to May 2013
- *2 From June 2013
- *3 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-057031215



Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C

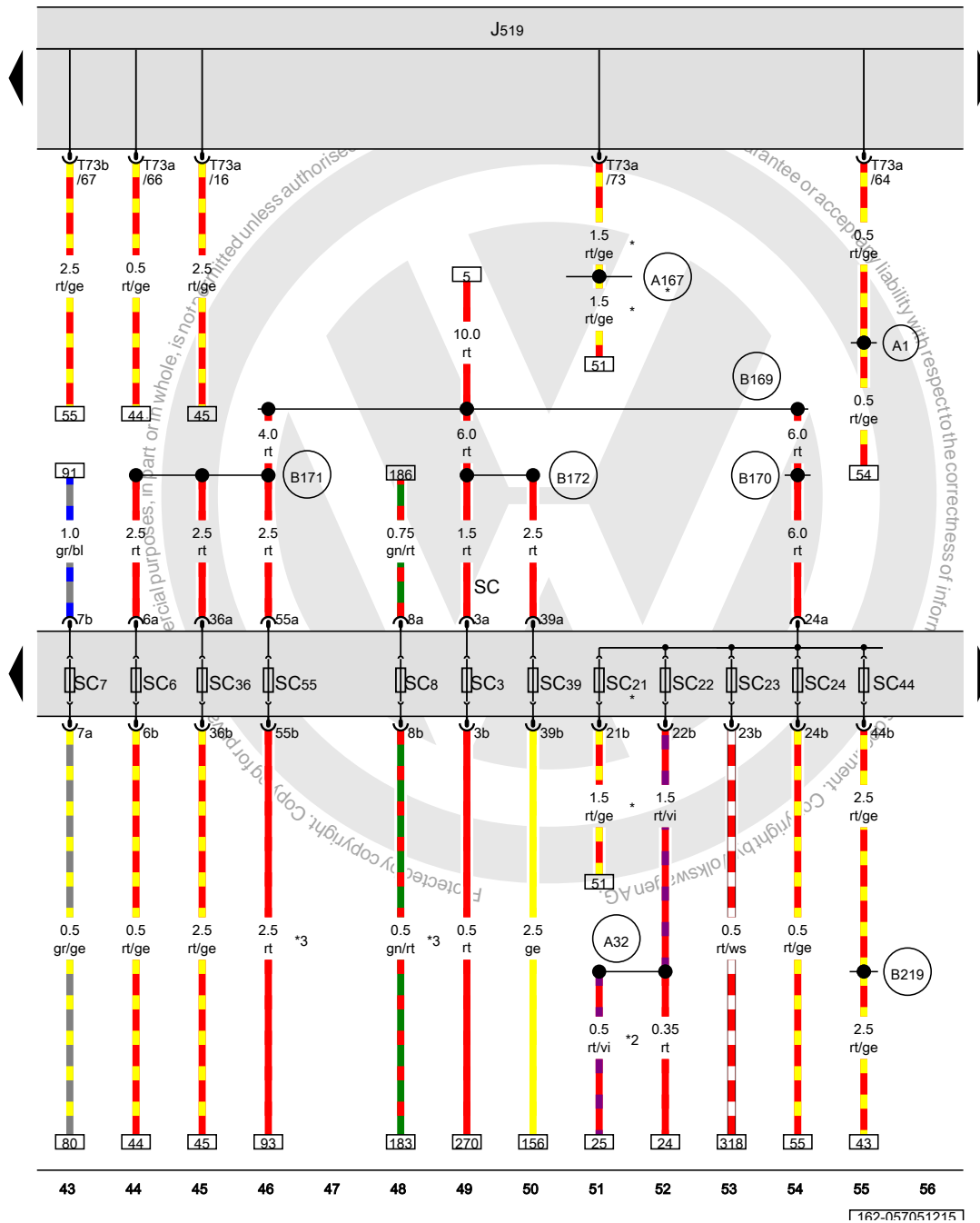
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- T9f 9-pin connector
- T9g 9-pin connector

- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B149) Positive connection 2 (15a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness
- * From June 2013
- *2 Only models with manual gearbox
- *3 Up to May 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-057041215]

Onboard supply control unit, Fuse holder C



- J519 Onboard supply control unit
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T73a 73-pin connector
- T73b 73-pin connector

- A1 Positive connection (30a), in dash panel wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

- * From June 2013
- *2 Wiring colour depends on equipment
- *3 Cross section depends on equipment
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

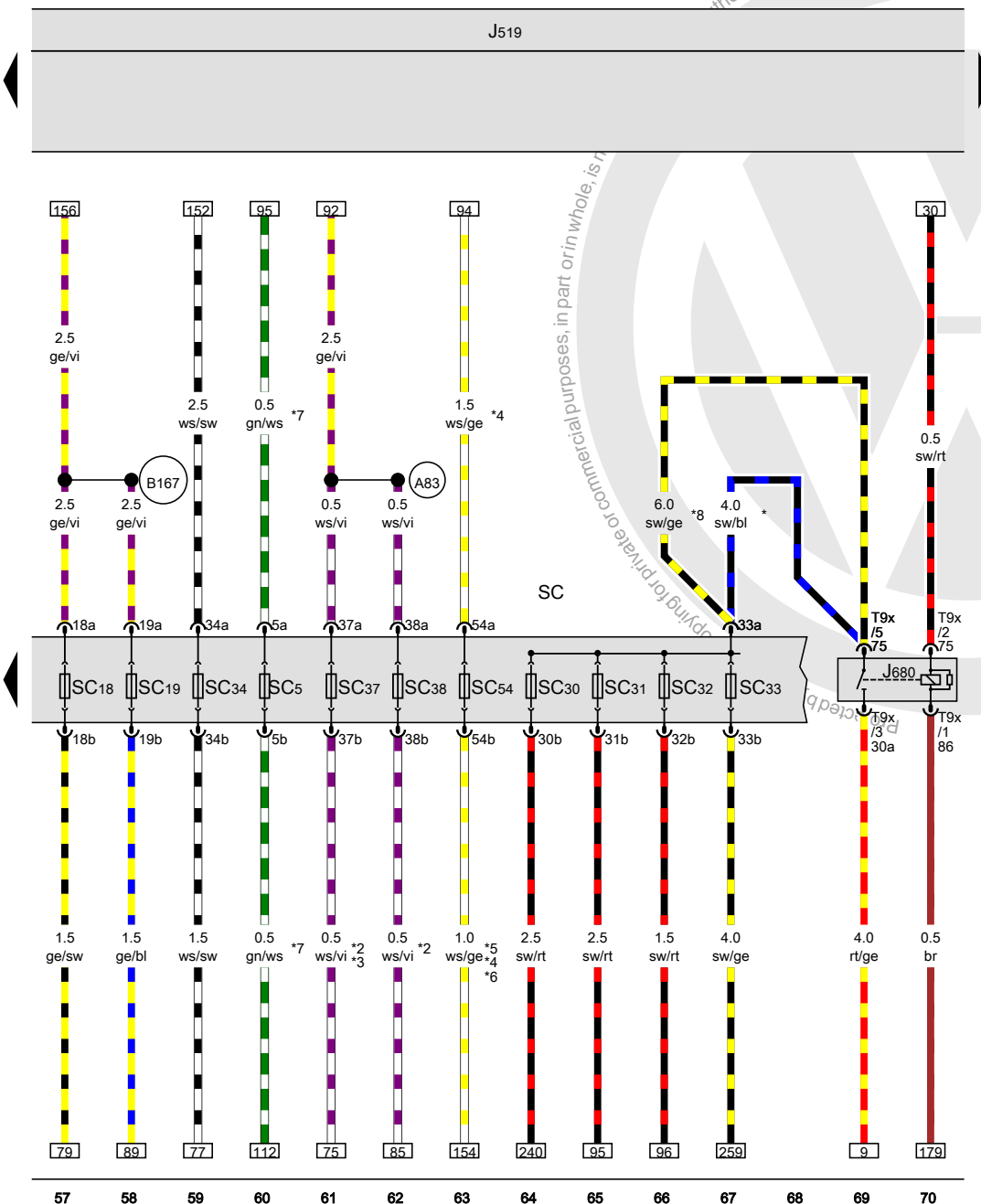
Onboard supply control unit, Terminal 75 voltage supply relay 1, Fuse holder C

- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- SC Fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- T9x 9-pin connector

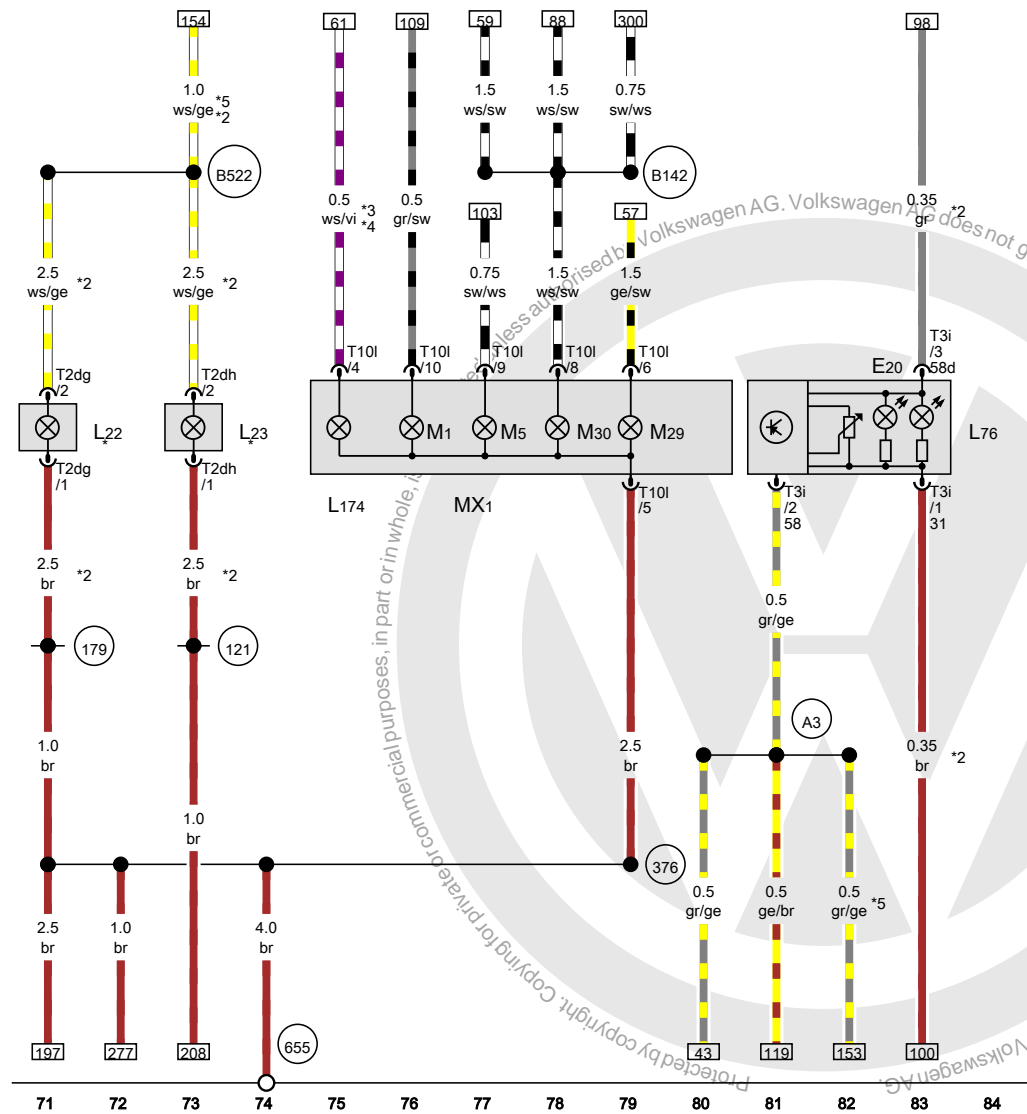
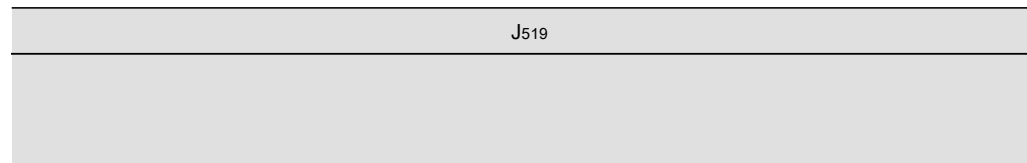
A83 Connection (daytime running lights), in dash panel wiring harness

B167 Connection (56b), in interior wiring harness

- * Up to June 2012
- *2 Only models with daytime running lights
- *3 Wiring colour depends on equipment
- *4 According to equipment
- *5 Only for American markets
- *6 Cross section depends on equipment
- *7 Only models with rear fog light
- *8 From July 2012



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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Switch and instrument illumination regulator, Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb

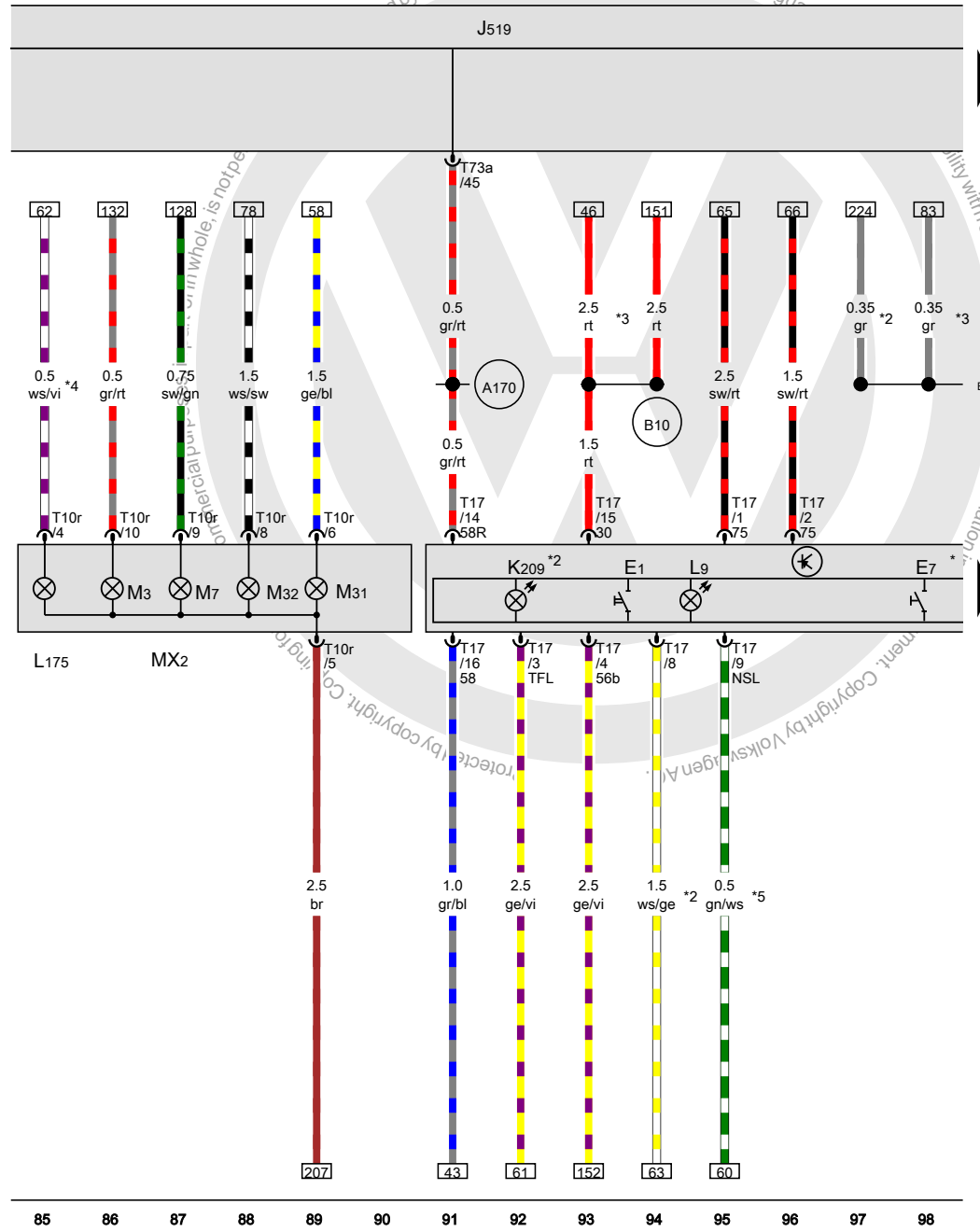
- E20 Switch and instrument illumination regulator
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L76 Button illumination bulb
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2dg 2-pin connector
- T2dh 2-pin connector
- T3i 3-pin connector
- T10i 10-pin connector

- 121 Earth connection 2, in front right wiring harness
- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- A3 Positive connection (58), in dash panel wiring harness
- B142 Positive connection 2 (56a), in interior wiring harness
- B522 Connection (FL), in main wiring harness

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * According to equipment
- *2 Cross section depends on equipment
- *3 Only models with daytime running lights
- *4 Wiring colour depends on equipment
- *5 Only for American markets

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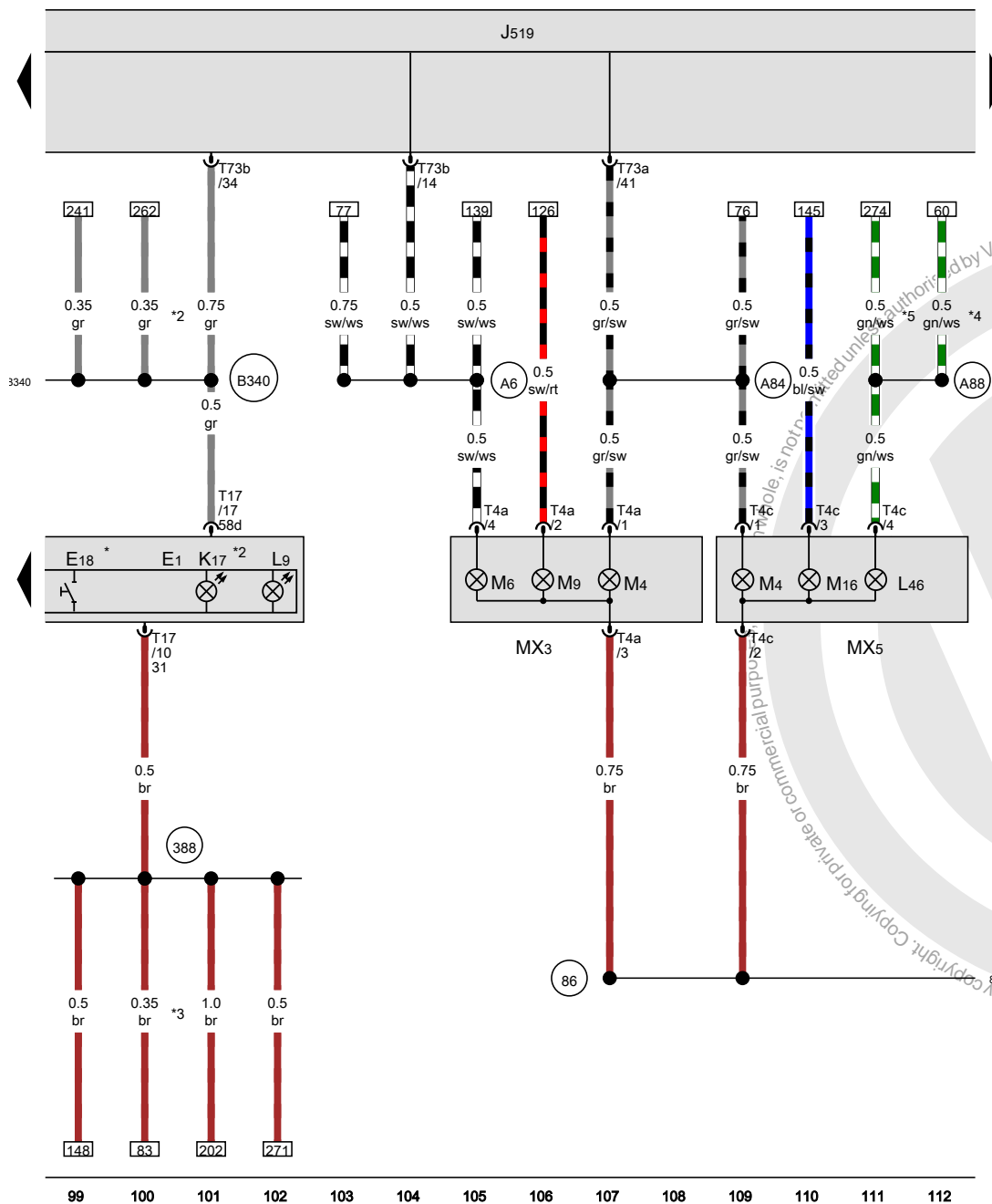
Light switch, Fog light switch, Onboard supply control unit, Automatic control of lights warning lamp, Front right headlight, Right side light bulb, Front right turn signal bulb

- E1 Light switch
- E7 Fog light switch
- J519 Onboard supply control unit
- K209 Automatic control of lights warning lamp
- L9 Light switch illumination bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T10r 10-pin connector
- T17 17-pin connector
- T73a 73-pin connector

- (A170) Connection 2 (58R), in dash panel wiring harness
- (B10) Positive connection (30), in light switch wiring harness
- (B340) Connection 1 (58d), in main wiring harness

- * If fitted
- *2 According to equipment
- *3 Cross section depends on equipment
- *4 Only models with daytime running lights
- *5 Only models with rear fog light

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Light switch, Rear fog light switch, Onboard supply control unit, Fog light warning lamp, Rear left fog light bulb, Left tail light, Rear left turn signal bulb, Left brake light bulb, Left reversing light bulb

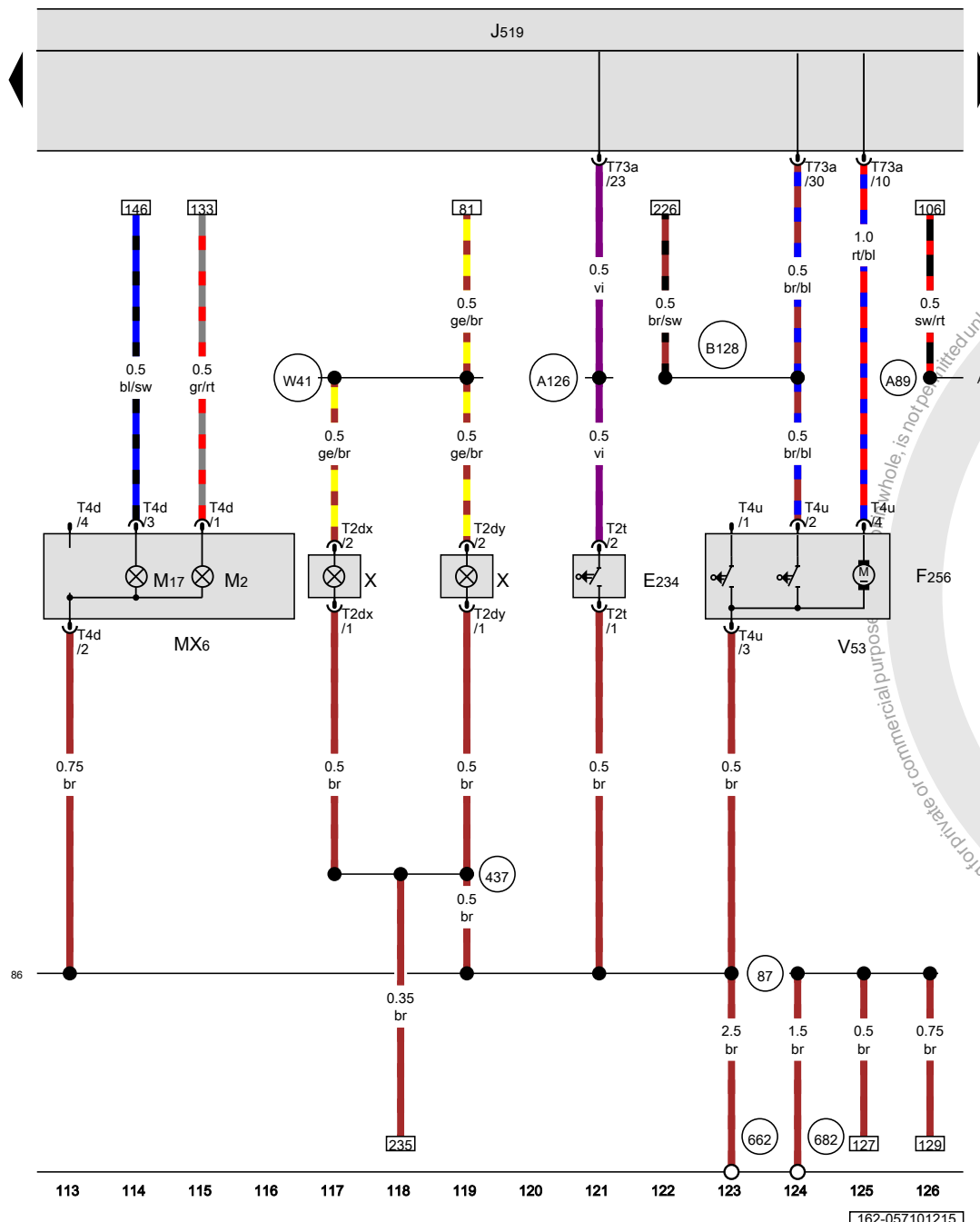
- E1 Light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- K17 Fog light warning lamp
- L9 Light switch illumination bulb
- L46 Rear left fog light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- M6 Rear left turn signal bulb
- M9 Left brake light bulb
- M16 Left reversing light bulb
- T4a 4-pin connector
- T4c 4-pin connector
- T17 17-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- (86) Earth connection 1, in rear wiring harness
- (388) Earth connection 23, in main wiring harness
- (A6) Positive connection (left turn signal), in dash panel wiring harness
- (A84) Connection (58L), in dash panel wiring harness
- (A88) Connection (RFL), in dash panel wiring harness
- (B340) Connection 1 (58d), in main wiring harness

- * If fitted
- *2 According to equipment
- *3 Cross section depends on equipment
- *4 Only models with rear fog light
- *5 Only models with no US equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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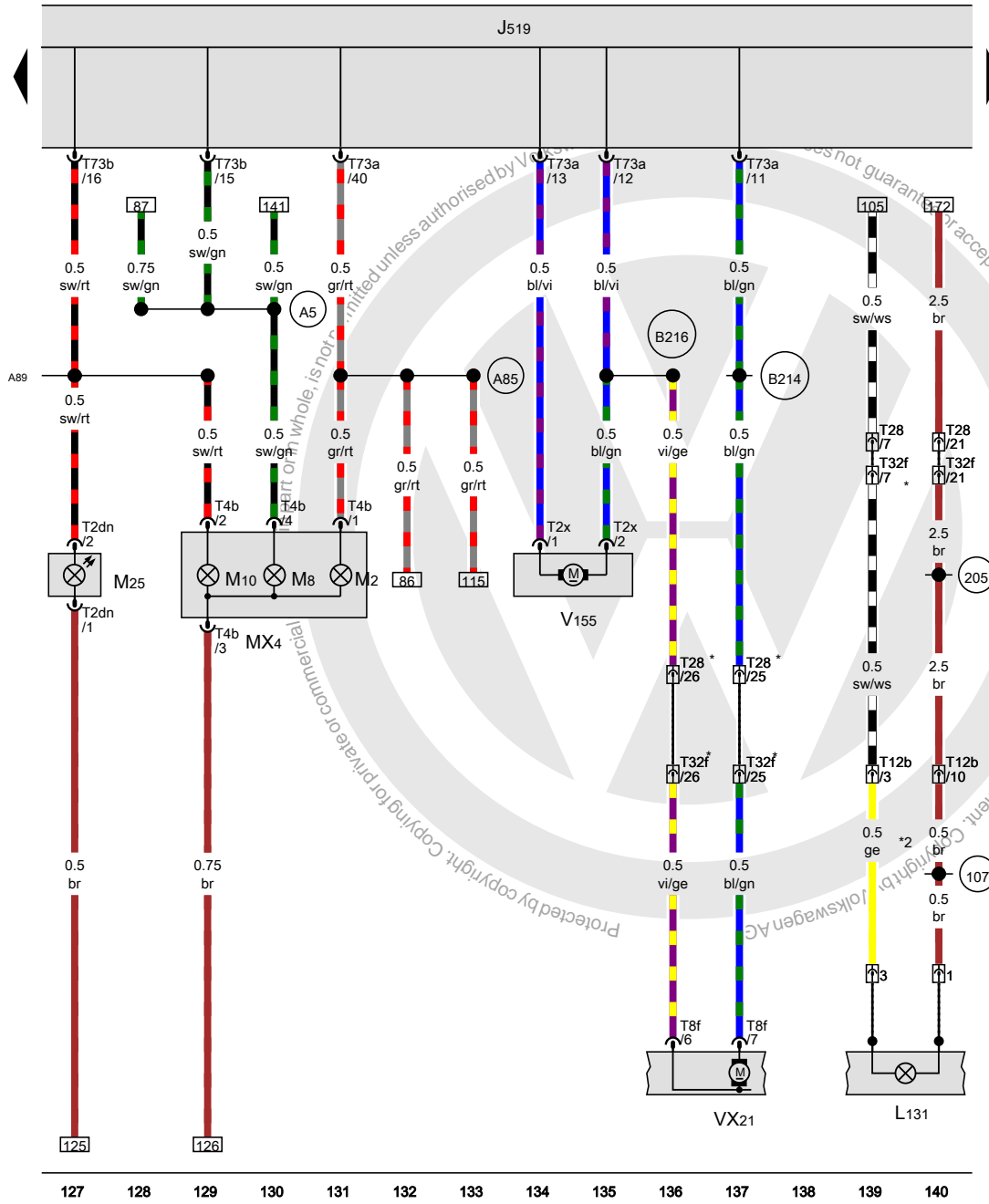


Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, Right reversing light bulb, Rear lid central locking motor, Number plate light

- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX6 Right tail light 2
- M17 Right reversing light bulb
- T2dx 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4d 4-pin connector
- T4u 4-pin connector
- T73a 73-pin connector
- V53 Rear lid central locking motor
- X Number plate light

- (86) Earth connection 1, in rear wiring harness
- (87) Earth connection 2, in rear wiring harness
- (437) Earth connection, in number plate wiring harness
- (662) Earth point, rear left side panel
- (682) Earth point 2, in rear right side panel
- (A89) Connection 2 (54) in dash panel wiring harness
- (A126) Connection (rear lid contact switch), in dash panel wiring harness
- (B128) Connection (luggage compartment light), in interior wiring harness
- (W41) Positive connection (58), in number plate lights wiring harness

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



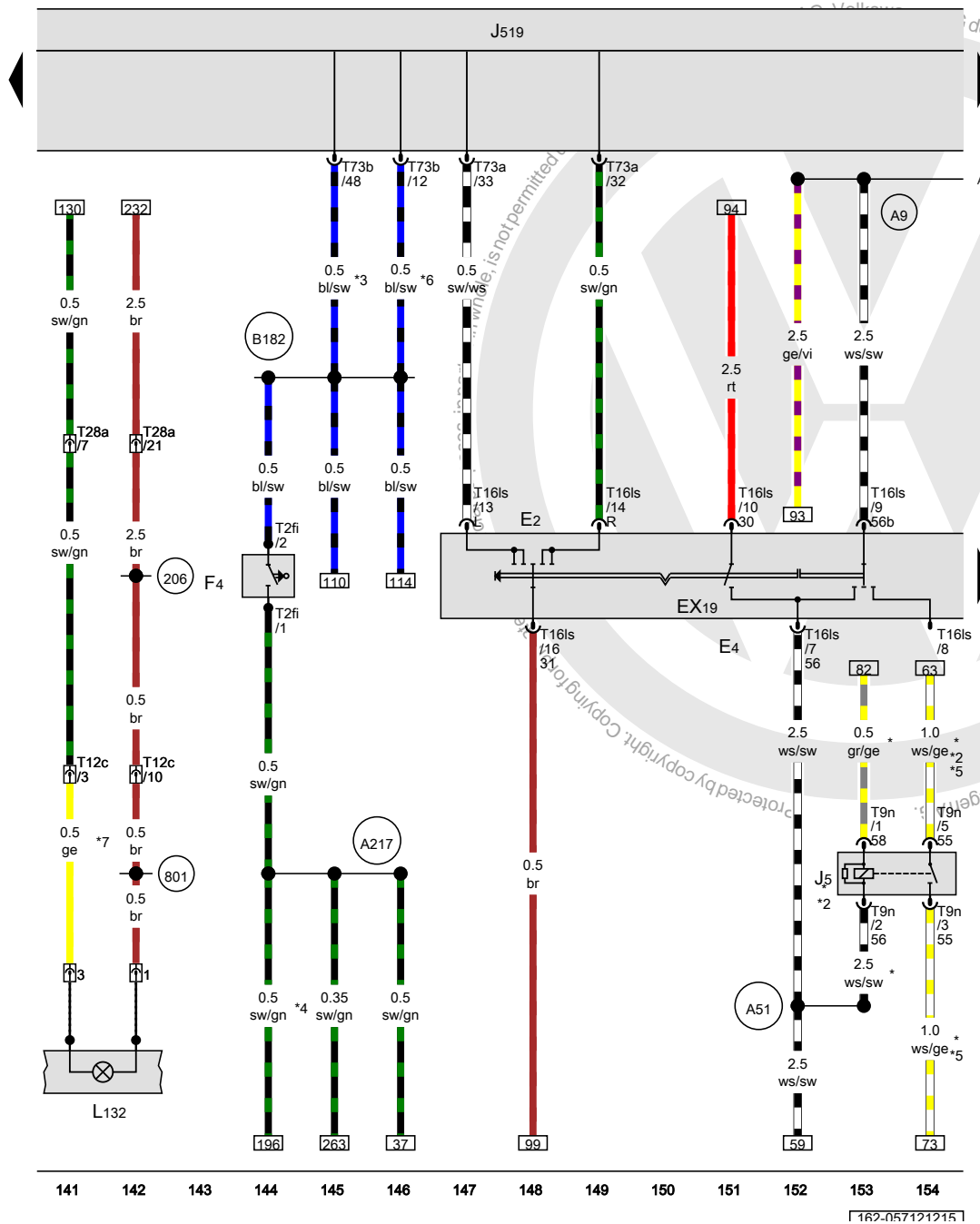
Onboard supply control unit, Driver side turn signal repeater bulb, Right tail light, Rear right turn signal bulb, Right brake light bulb, High-level brake light bulb, Tank filler flap locking motor

- J519 Onboard supply control unit
- L131 Driver side turn signal repeater bulb
- M2 Right tail light bulb
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M25 High-level brake light bulb
- T2dn 2-pin connector
- T2sl 2-pin connector, in driver side exterior mirror housing
- T2x 2-pin connector
- T4b 4-pin connector
- T8f 8-pin connector
- T12b 12-pin connector, in driver door
- T28 28-pin connector, lower part of A-pillar, driver side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector
- VX21 Driver door lock unit
- V155 Tank filler flap locking motor

- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A85 Connection (58R), in dash panel wiring harness
- A89 Connection 2 (54) in dash panel wiring harness
- B214 Connection 1 (central locking), in interior wiring harness
- B216 Connection 3 (central locking), in interior wiring harness

* According to equipment
 *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



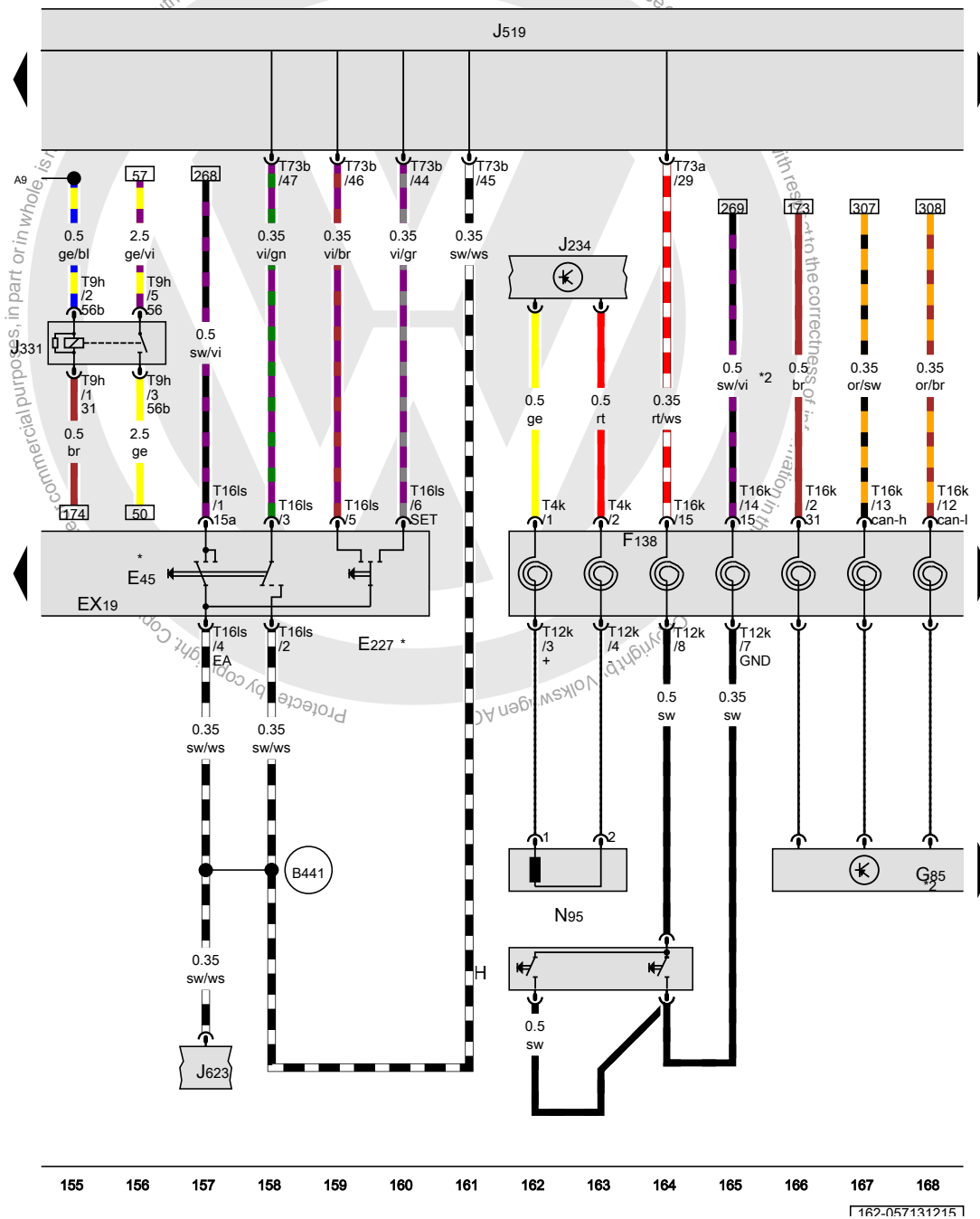
Turn signal switch, Headlight dipper and flasher switch, Left steering column switch, Reversing light switch, Onboard supply control unit, Front passenger side turn signal repeater bulb

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- EX19 Left steering column switch
- F4 Reversing light switch
- J5 Fog light relay
- J519 Onboard supply control unit
- L132 Front passenger side turn signal repeater bulb
- T2fi 2-pin connector
- T2sr 2-pin connector
- T9n 9-pin connector
- T12c 12-pin connector, in front passenger door
- T16ls 16-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T73a 73-pin connector
- T73b 73-pin connector

- 206 Earth connection, in front passenger door wiring harness
- 801 Earth connection 2, in external mirror wiring harness
- A9 Positive connection (56b), in wiring harness for instruments
- A51 Connection (56), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B182 Connection (RL), in interior wiring harness

- * Only for American markets
- *2 According to equipment
- *3 Only models with manual gearbox
- *4 Up to May 2013
- *5 Cross section depends on equipment
- *6 Only models with automatic gearbox
- *7 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Left steering column switch, Cruise control system switch, Cruise control system (CCS) SET button, Airbag coil connector and return ring with slip ring, Steering angle sender, Onboard supply control unit

- EX19 Left steering column switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- F138 Airbag coil connector and return ring with slip ring
- G85 Steering angle sender
- H Horn plate
- J234 Airbag control unit
- J331 Dipped beam relay
- J519 Onboard supply control unit
- J623 Engine control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector
- T9h 9-pin connector
- T12k 12-pin connector
- T16k 16-pin connector
- T16ls 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A9 Positive connection (56b), in wiring harness for instruments
- B441 Connection (CCS), in main wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

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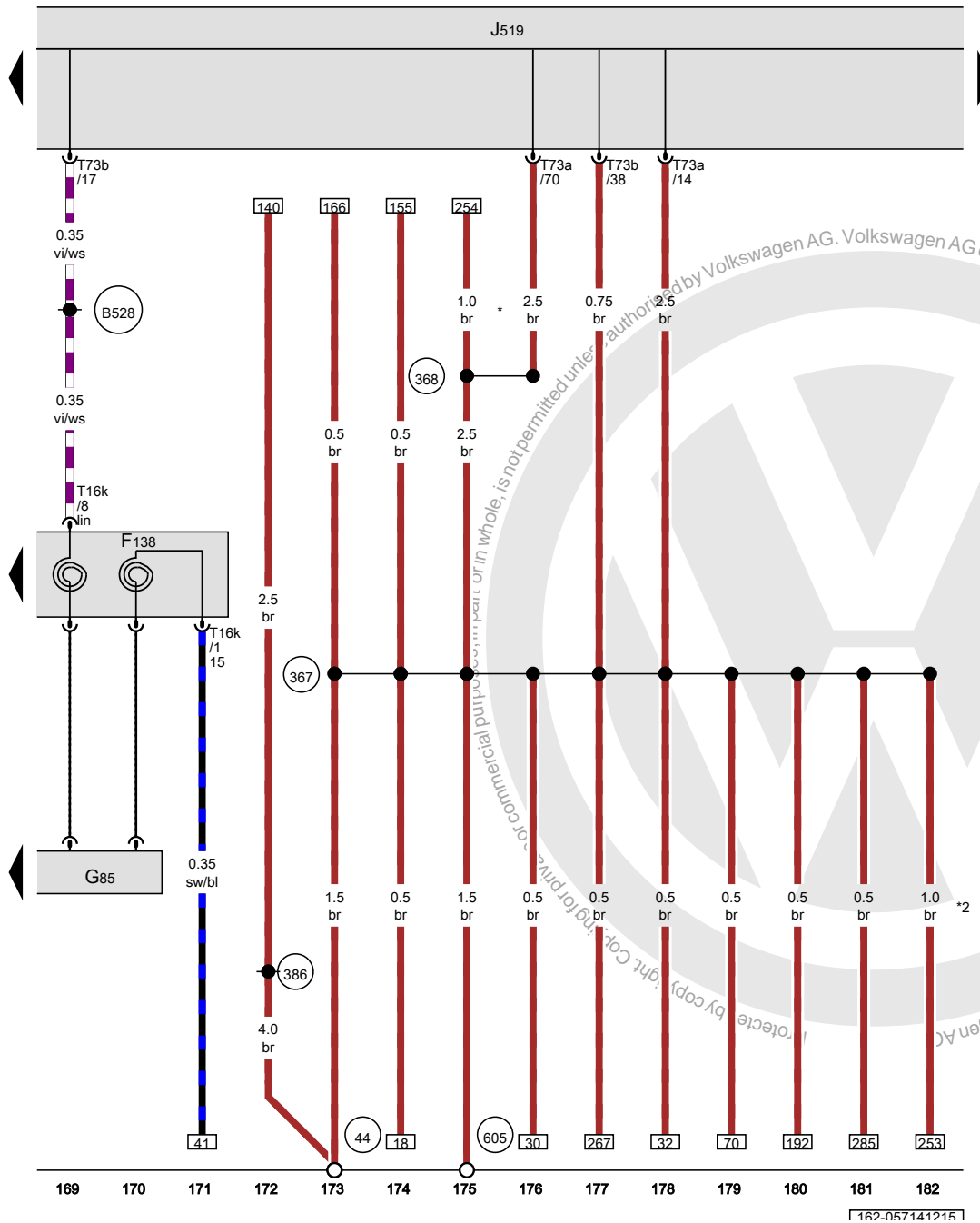
Airbag coil connector and return ring with slip ring, Steering angle sender, Onboard supply control unit

- F138 Airbag coil connector and return ring with slip ring
- G85 Steering angle sender
- J519 Onboard supply control unit
- T16k 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

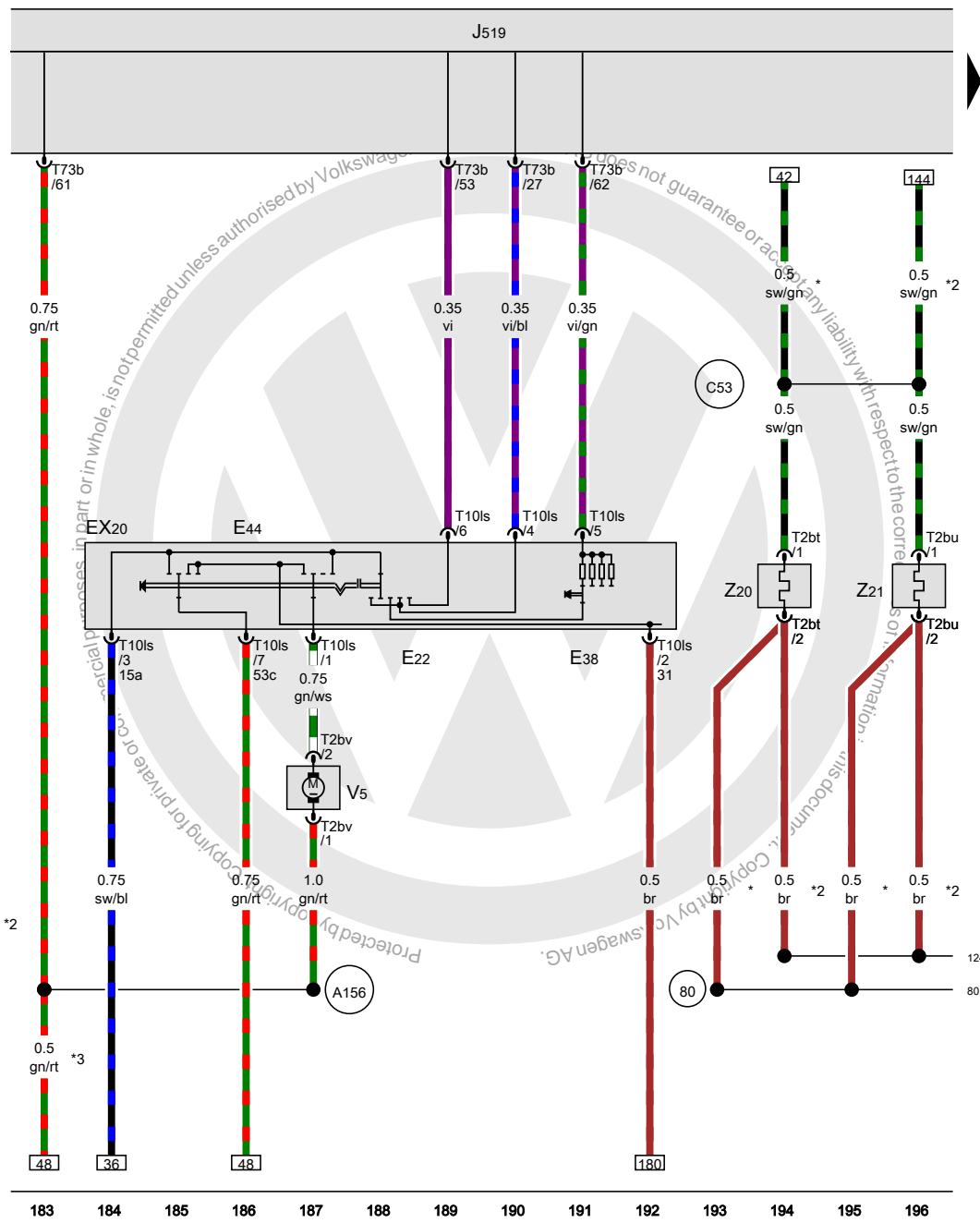
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 368 Earth connection 3, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- B528 Connection 1 (LIN bus) in main wiring harness

* Up to May 2013
 *2 From June 2013

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



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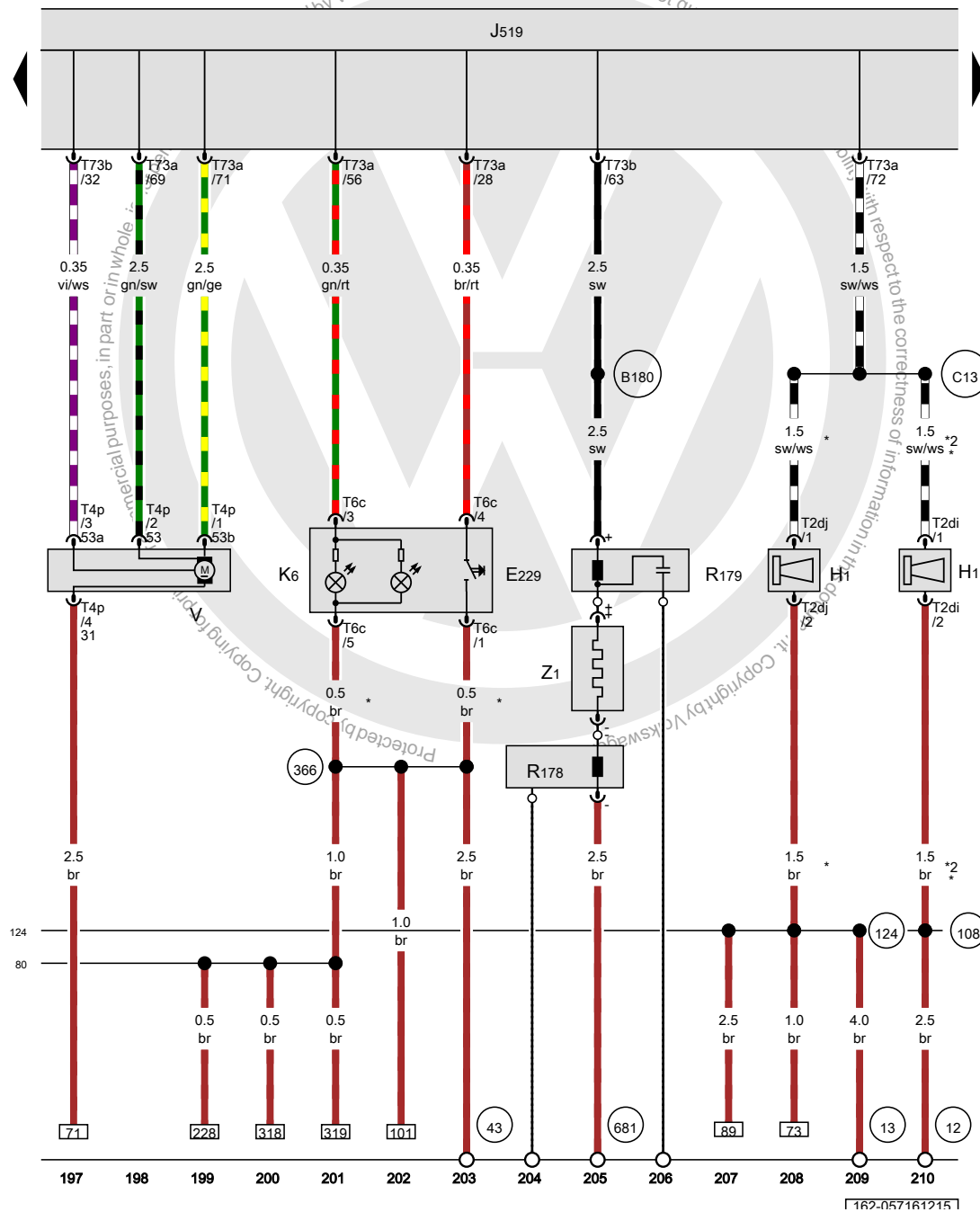
Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Onboard supply control unit, Left washer jet heater element, Right washer jet heater element

- EX20 Right steering column switch
- E22 Intermittent wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- J519 Onboard supply control unit
- T2bt 2-pin connector
- T2bu 2-pin connector
- T2bv 2-pin connector
- T10ls 10-pin connector
- T73b 73-pin connector
- V5 Washer pump
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 80 Earth connection 1, in dash panel wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- A156 Connection (53c), in dash panel wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness

* From June 2013
 *2 Up to May 2013
 *3 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Hazard warning lights button, Horn or dual tone horn, Onboard supply control unit, Indicator lamp for hazard warning light, Windscreen wiper motor, Heated rear window

- E229 Hazard warning lights button
- H1 Horn or dual tone horn
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T2di 2-pin connector
- T2dj 2-pin connector
- T4p 4-pin connector
- T6c 6-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V Windscreen wiper motor
- Z1 Heated rear window

- 12 Earth point, on left in engine compartment
- 13 Earth point, on right in engine compartment
- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 108 Earth connection 2, in front left wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 366 Earth connection 1, in main wiring harness
- 681 Earth point 1, in rear right side panel
- B180 Connection (heated rear window), in interior wiring harness
- C13 Positive connection in dual tone horn wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

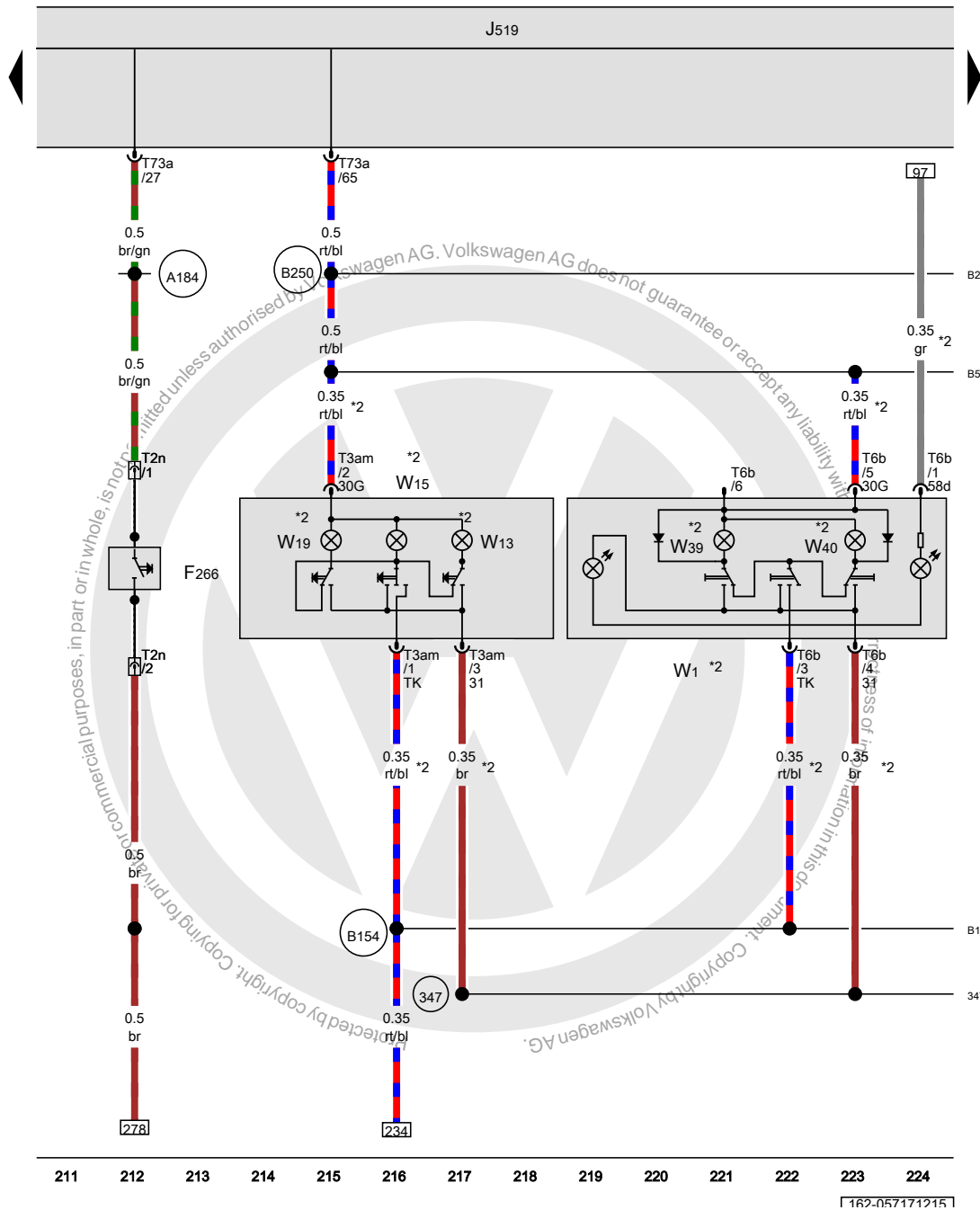
- * Cross section depends on equipment
- *2 Only models with dual tone horn

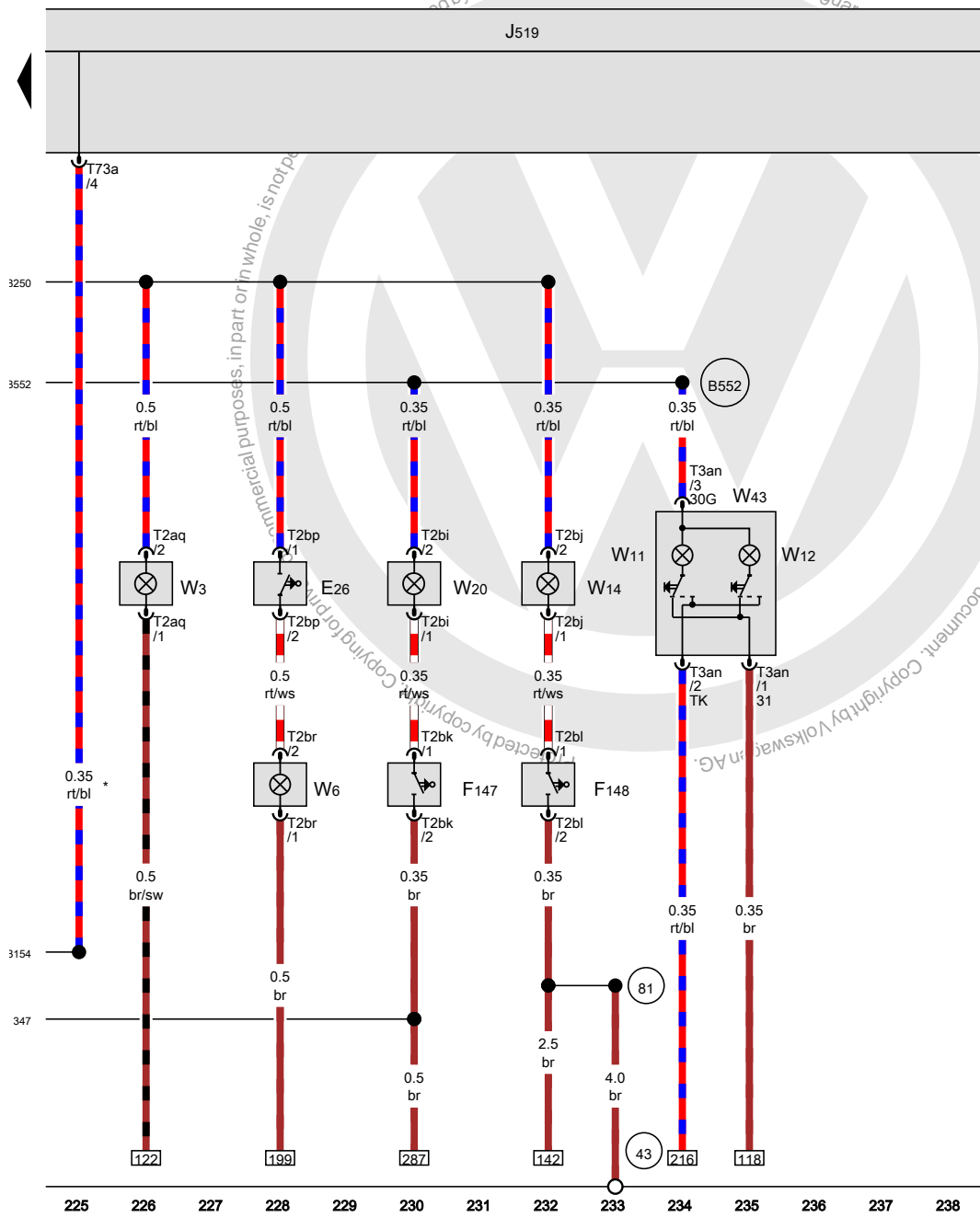
Bonnet contact switch, Onboard supply control unit, Front interior light, Front passenger reading light, Interior light with switch-off delay, Driver side reading light, Left centre reading light, Right centre reading light

- F266 Bonnet contact switch
- J519 Onboard supply control unit
- T2n 2-pin connector, near headlight
- T3am 3-pin connector
- T6b 6-pin connector
- T73a 73-pin connector
- W1 Front interior light
- W13 Front passenger reading light
- W15 Interior light with switch-off delay
- W19 Driver side reading light
- W39 Left centre reading light
- W40 Right centre reading light

- 347 Earth connection, in roof wiring harness
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- B552 Positive connection 2, in roof wiring harness
- * Only models with dual tone horn
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



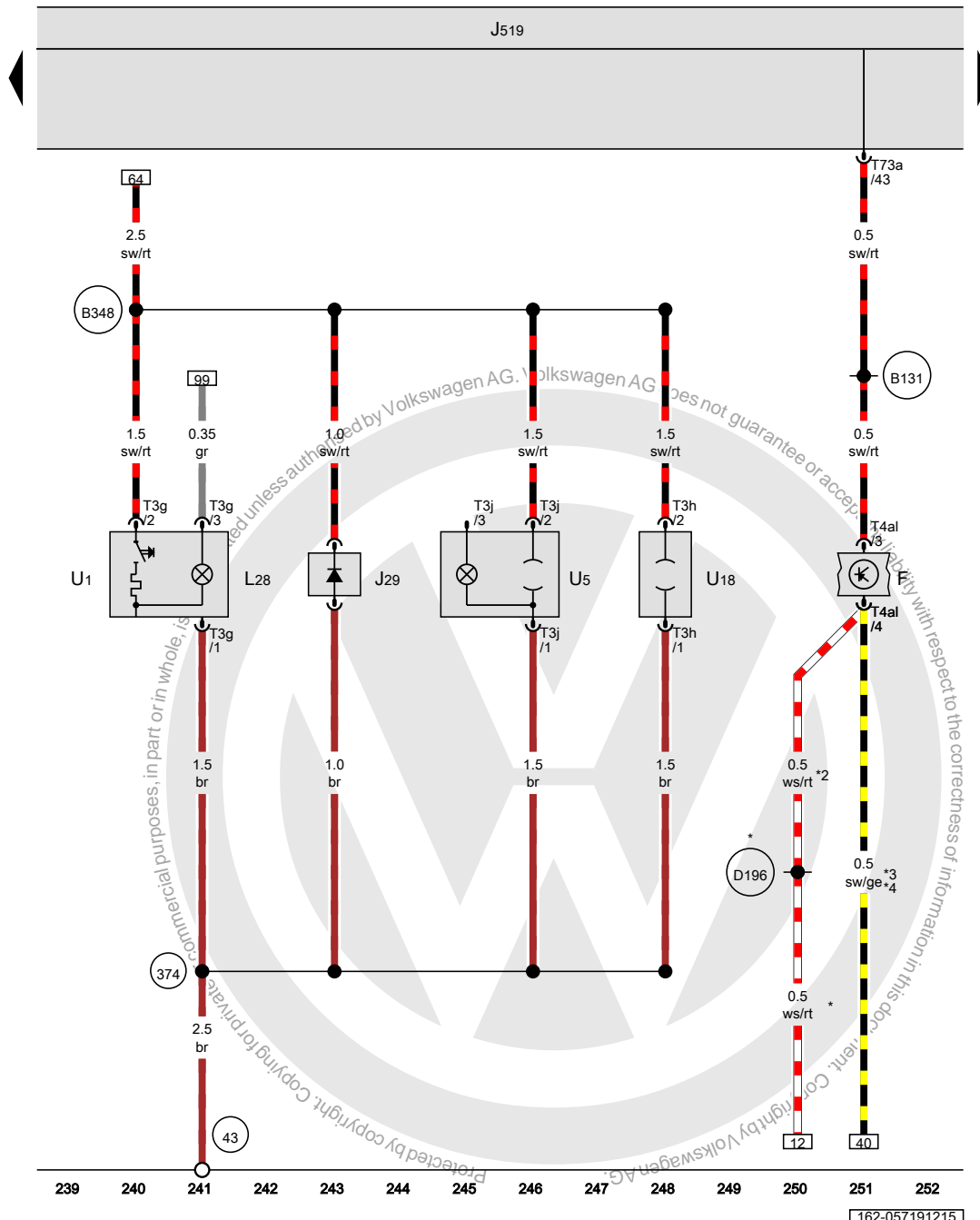


Glove compartment light switch, Onboard supply control unit, Luggage compartment light, Glove compartment light, Rear left reading light, Rear right reading light, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror, Rear interior light

- E26 Glove compartment light switch
- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2bi 2-pin connector
- T2bj 2-pin connector
- T2bk 2-pin connector
- T2bl 2-pin connector
- T2bp 2-pin connector
- T2br 2-pin connector
- T3an 3-pin connector
- T73a 73-pin connector
- W3 Luggage compartment light
- W6 Glove compartment light
- W11 Rear left reading light
- W12 Rear right reading light
- W14 Front passenger side illuminated vanity mirror
- W20 Driver side illuminated vanity mirror
- W43 Rear interior light

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 347 Earth connection, in roof wiring harness
- B154 Connection 1 (DCT), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- B552 Positive connection 2, in roof wiring harness
- * According to equipment

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

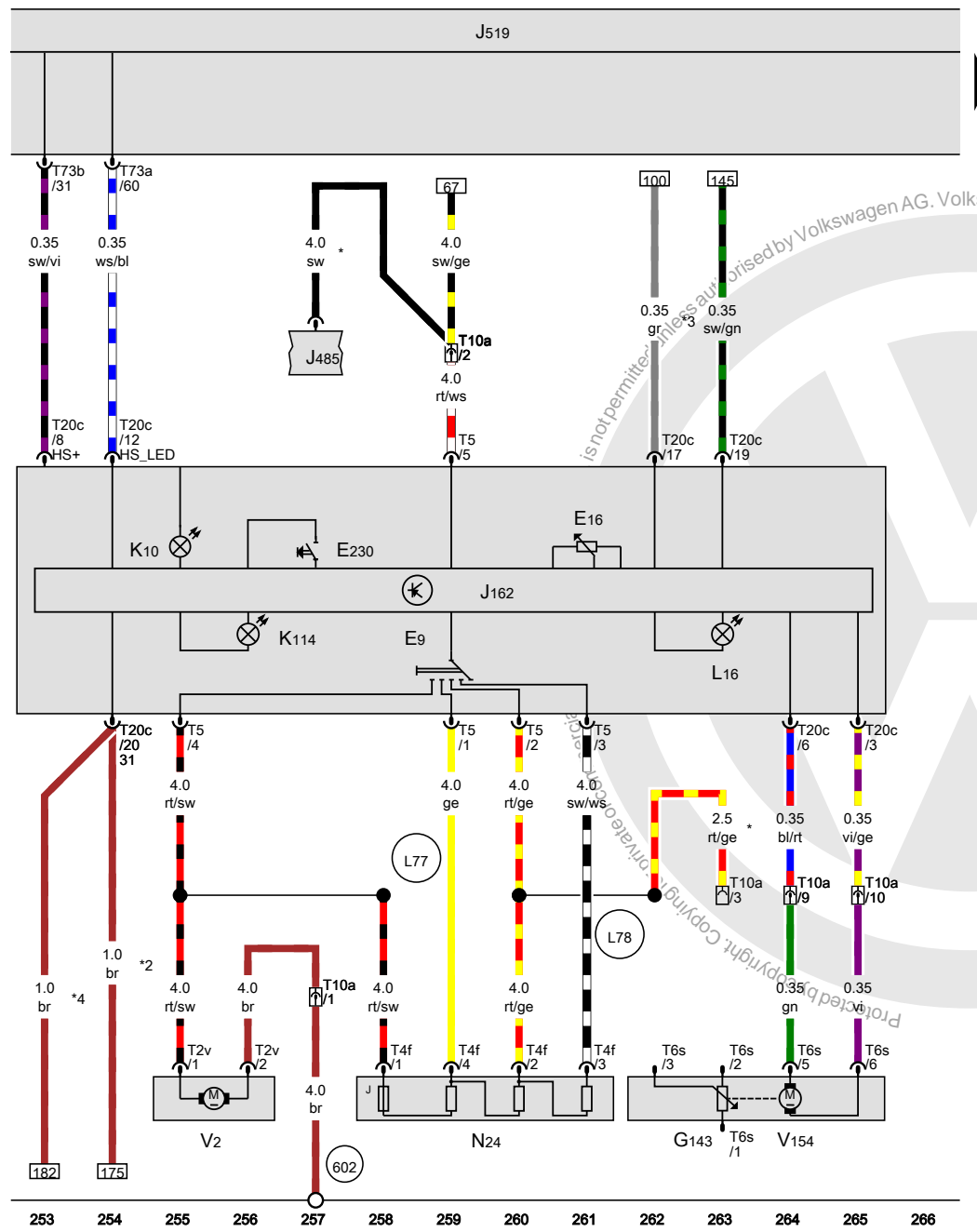


Brake light switch, Blocking diode, Onboard supply control unit, Cigarette lighter illumination bulb, Cigarette lighter, 12 V socket

- F Brake light switch
- J29 Blocking diode
- J519 Onboard supply control unit
- L28 Cigarette lighter illumination bulb
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T4al 4-pin connector
- T73a 73-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- 43 Earth point, lower part of right A-pillar
- 374 Earth connection 9, in main wiring harness
- B131 Connection (54), in interior wiring harness
- B348 Connection 1 (75a), in main wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * According to equipment
- *2 Only models with dual clutch gearbox (DSG)
- *3 Only models with manual gearbox
- *4 Up to May 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fresh air blower switch, Heater control unit, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower, Fresh air and air recirculation flap control motor



- E9 Fresh air blower switch
 - E16 Heater/heat output switch
 - E230 Heated rear window button
 - G143 Potentiometer for air recirculation flap control motor
 - J162 Heater control unit
 - J485 Auxiliary heater operation relay
 - J519 Onboard supply control unit
 - K10 Heated rear window warning lamp
 - K114 Fresh air and air recirculation warning lamp
 - L16 Fresh air regulator illumination bulb
 - N24 Fresh air blower series resistor with overheating fuse
 - T2v 2-pin connector
 - T4f 4-pin connector
 - T5 5-pin connector
 - T6s 6-pin connector
 - T10a 10-pin connector, on heater and air conditioner unit
 - T20c 20-pin connector
 - T73a 73-pin connector
 - T73b 73-pin connector
 - V2 Fresh air blower
 - V154 Fresh air and air recirculation flap control motor
- 602 Earth point, in front left footwell
 - L77 Connection, in fresh air blower wiring harness
 - L78 Connection 1, in fresh air blower wiring harness
- * Only models with auxiliary coolant heater
 - *2 Up to May 2013
 - *3 According to equipment
 - *4 From June 2013

- ws = white
- sw = black
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- rt = red
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-057201215

Immobiliser reader coil, Oil pressure switch, Handbrake warning switch, Brake fluid level warning contact, Immobiliser control unit, Onboard supply control unit, Dash panel insert

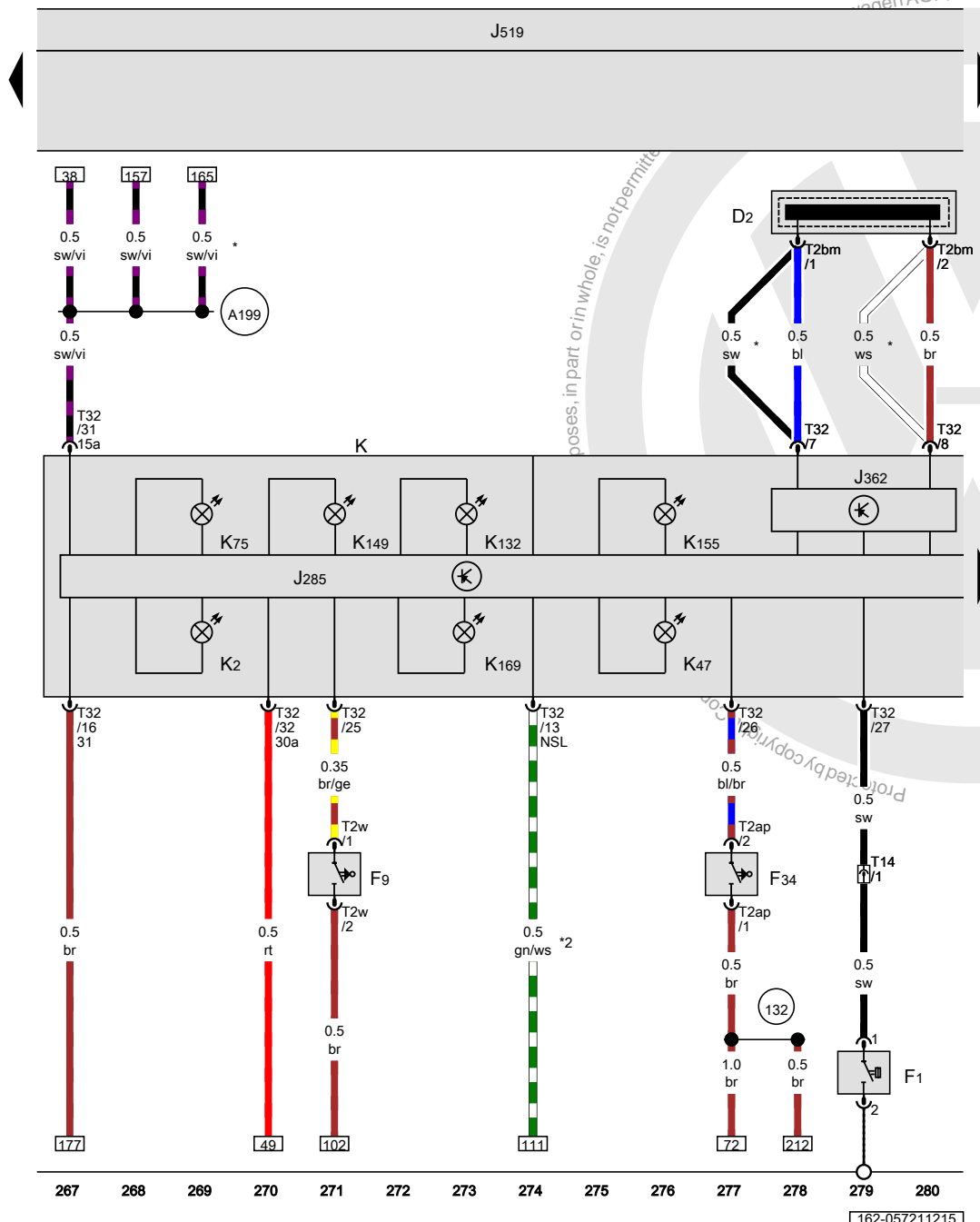
- D2 Immobiliser reader coil
- F1 Oil pressure switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K47 ABS warning lamp
- K75 Airbag warning lamp
- K132 Electronic power control fault lamp
- K149 Engine electronics warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K169 Selector lever lock warning lamp
- T2ap 2-pin connector
- T2bm 2-pin connector
- T2w 2-pin connector
- T14 14-pin connector
- T32 32-pin connector

132 Earth connection 3, in engine compartment wiring harness

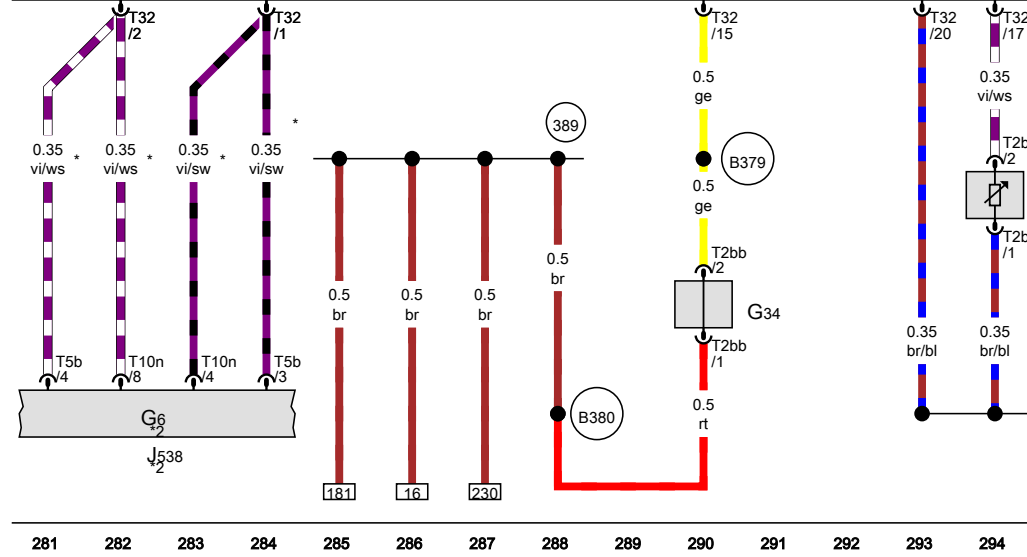
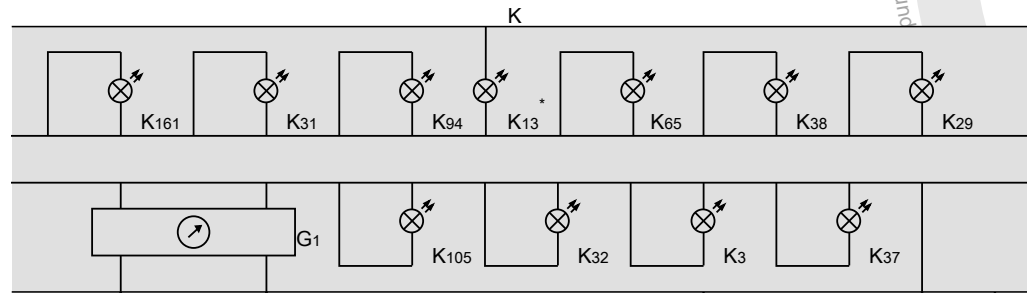
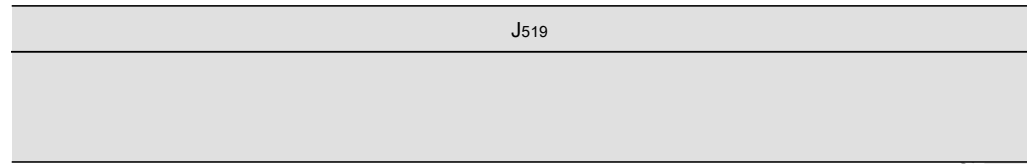
A199 Positive connection 4 (15a) in dash panel wiring harness

- * According to equipment
- *2 Only models with no US equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
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- rs = pink



162-057211215



Windscreen washer fluid level sender, Front left brake pad wear sender, Onboard supply control unit, Fuel pump control unit, Dash panel insert, Rear fog light warning lamp

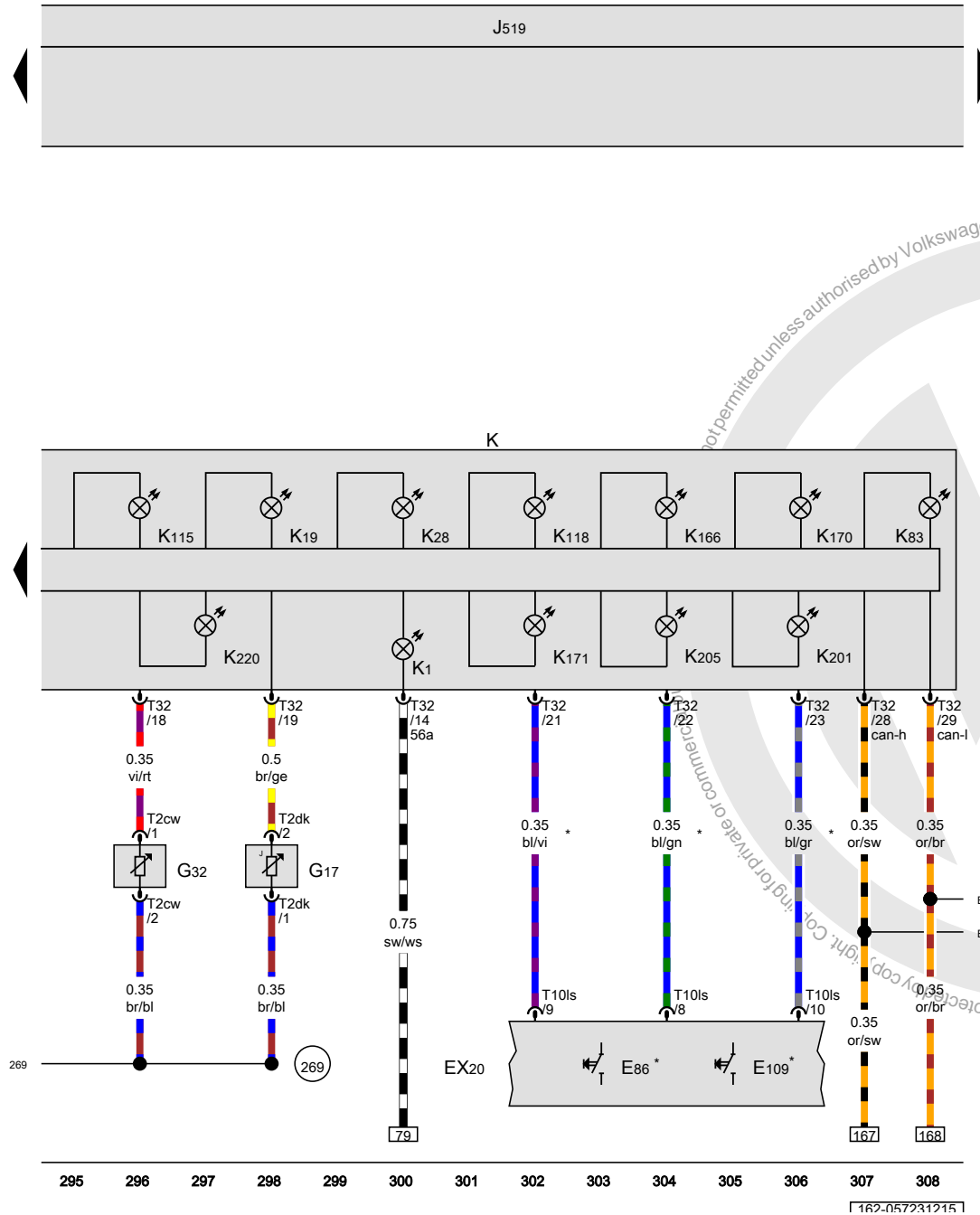
- G1 Fuel gauge
- G6 Fuel system pressurisation pump
- G33 Windscreen washer fluid level sender
- G34 Front left brake pad wear sender
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- K Dash panel insert
- K3 Oil pressure warning lamp
- K13 Rear fog light warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K32 Brake pad warning lamp
- K37 Washer fluid level warning lamp
- K38 Oil level warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K105 Reserve fuel warning lamp
- K161 Electromechanical power steering warning lamp
- T2bb 2-pin connector
- T2bw 2-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- T32 32-pin connector

- (269) Earth connection (sender earth) 1, in dash panel wiring harness
- (389) Earth connection 24, in main wiring harness
- (B379) Connection 1 (brake pad wear indicator), in main wiring harness
- (B380) Connection 2 (brake pad wear indicator), in main wiring harness

* According to equipment
 *2 see applicable current flow diagram for engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

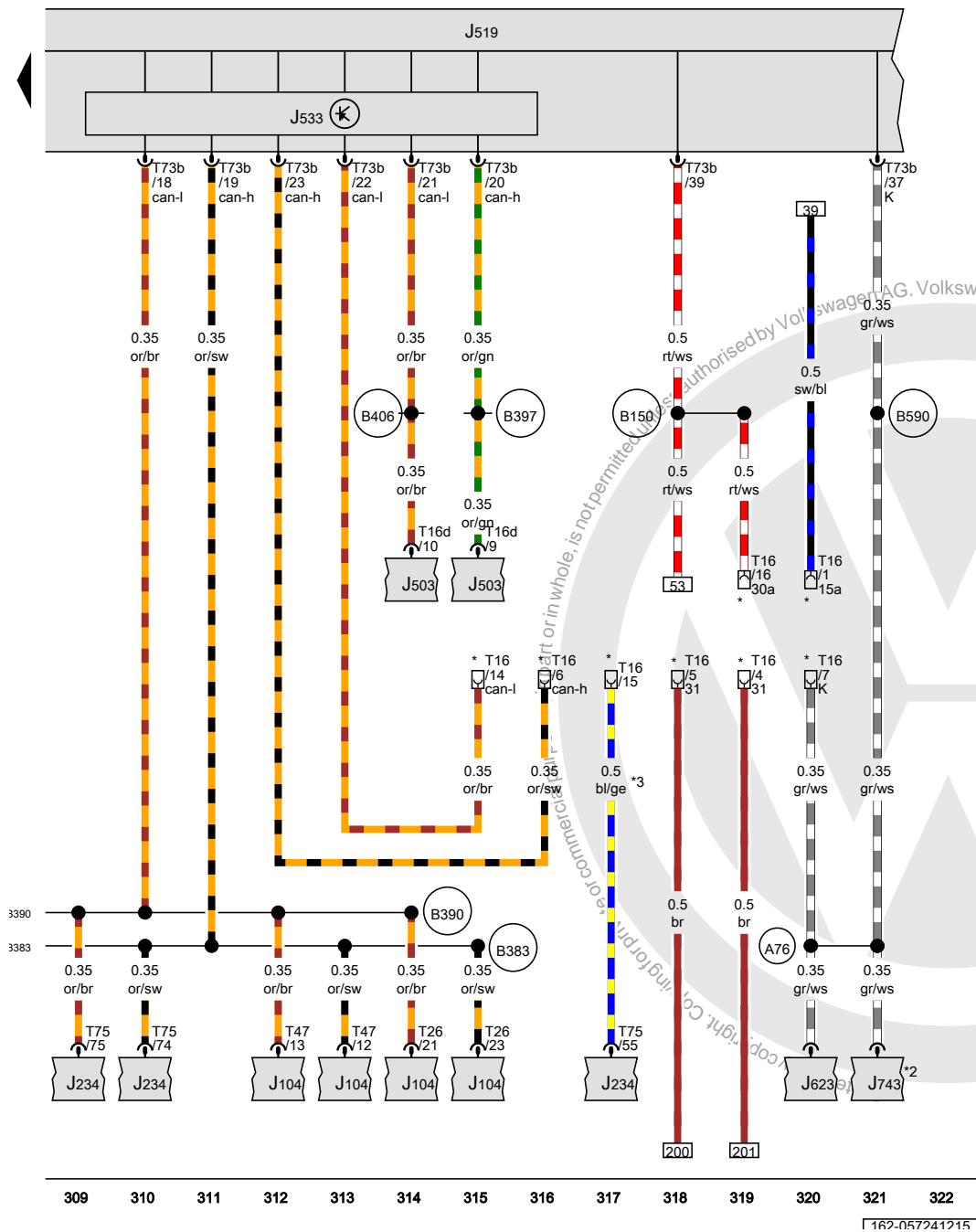
Ambient temperature sensor, Coolant shortage indicator sender, Onboard supply control unit, Dash panel insert



- EX20 Right steering column switch
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- J519 Onboard supply control unit
- K Dash panel insert
- K1 Main beam warning lamp
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K83 Exhaust emissions warning lamp
- K115 Immobiliser warning lamp
- K118 Brake system warning lamp
- K166 Door open warning lamp
- K170 Bulb failure warning lamp
- K171 Bonnet open warning lamp
- K201 Fuel tank flap lock warning lamp
- K205 Warning lamp for daytime running lights
- K220 Tyre Pressure Loss Indicator warning lamp
- T2cw 2-pin connector
- T2dk 2-pin connector
- T10ls 10-pin connector
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only models with multifunction display

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162-057231215



Onboard supply control unit

- J104 ABS control unit
- J234 Airbag control unit
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T16d 16-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T73b 73-pin connector
- T75 75-pin connector

- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B590 K-diagnosis wire connection, in interior wiring harness
- * Diagnostic connection
- *2 Only models with automatic gearbox
- *3 Only for American markets

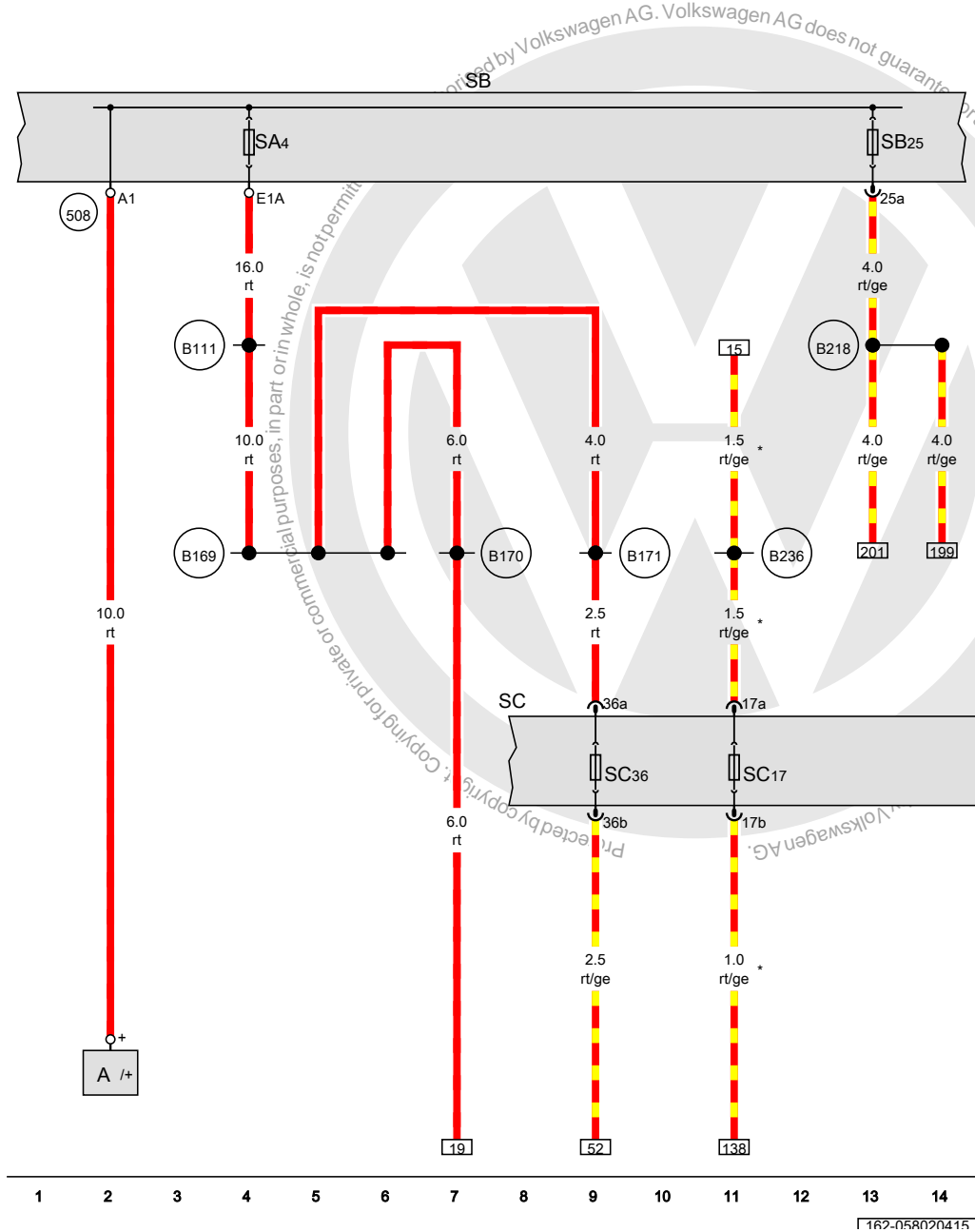
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Convenience system , (AW0)

From June 2011



Battery, Fuse 4 in fuse holder A, Fuse holder B, Fuse 25 on fuse holder B, Fuse holder C



- A Battery
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B236 Positive connection 6 (30a), in interior wiring harness
- * gradual introduction

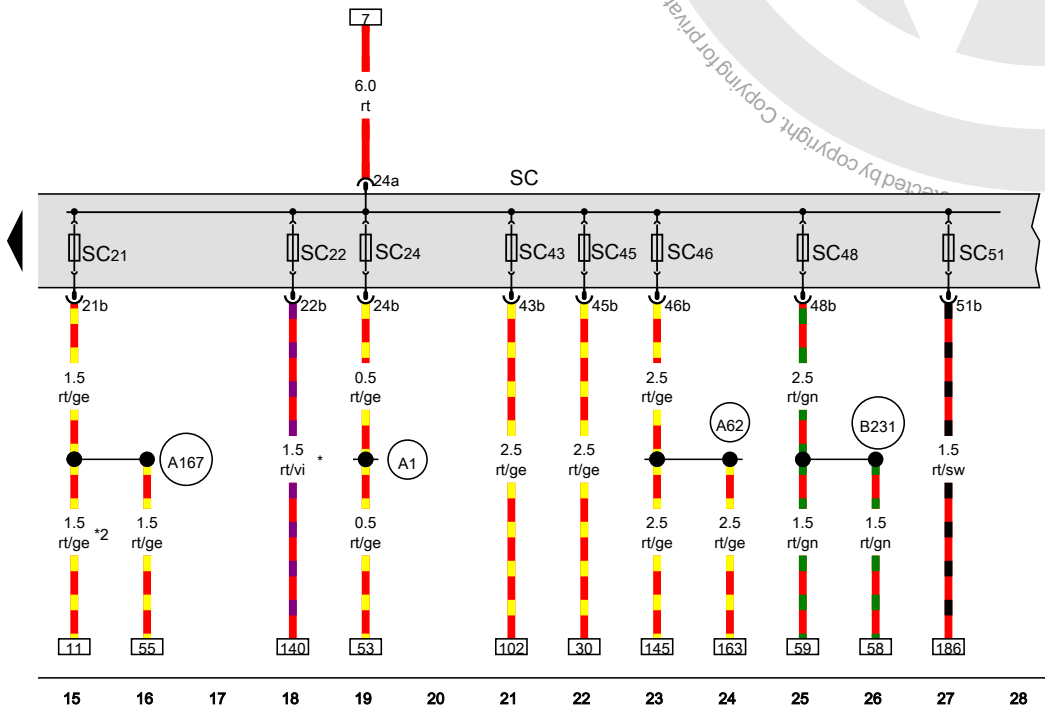
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Fuse holder C

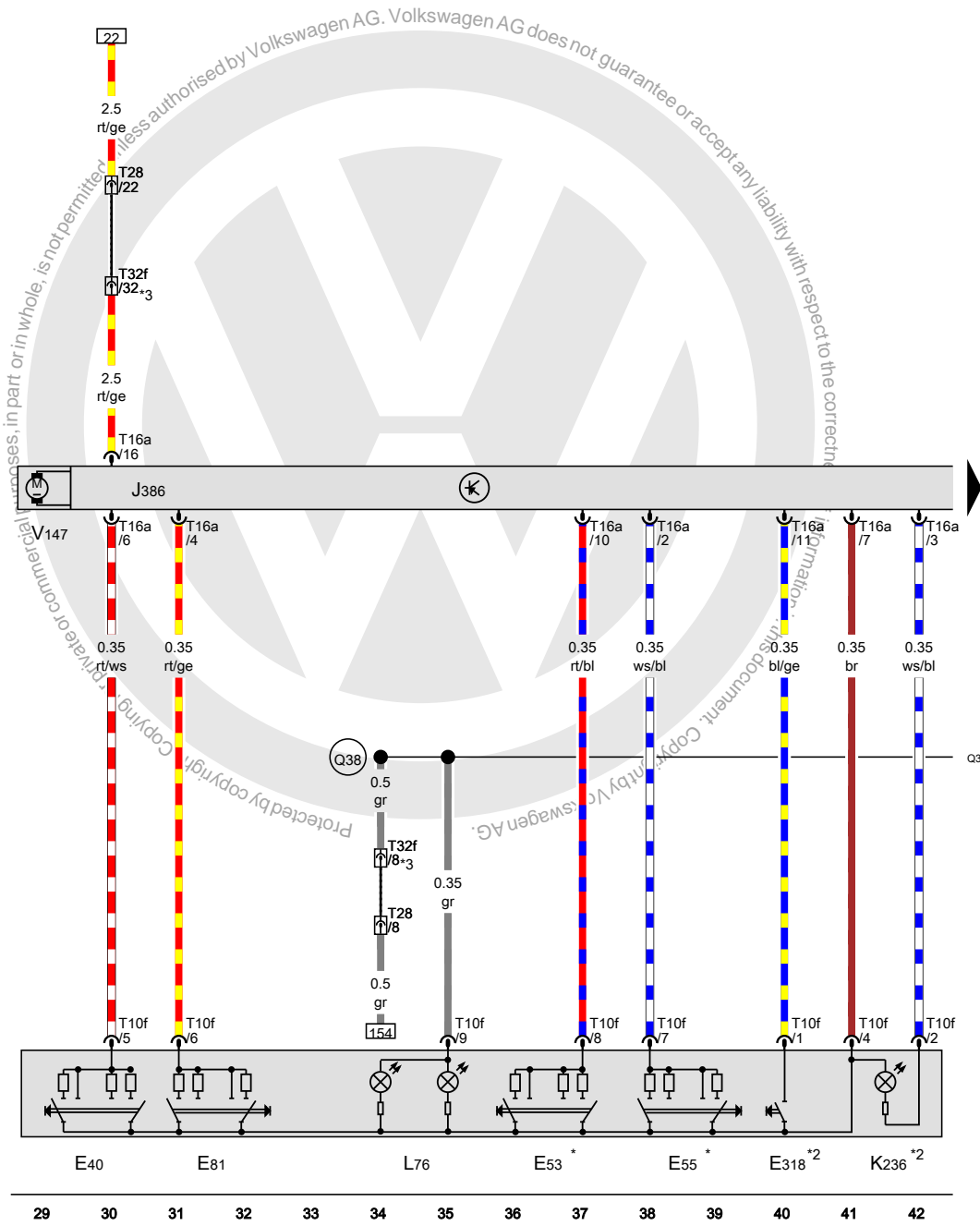
- SC Fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C

- A1 Positive connection (30a), in dash panel wiring harness
- A62 Connection (window regulators), in dash panel wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B231 Positive connection 5 (30a), in interior wiring harness
- * Gradually discontinued
- *2 gradual introduction



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- gr = grey
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- rs = pink

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Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit

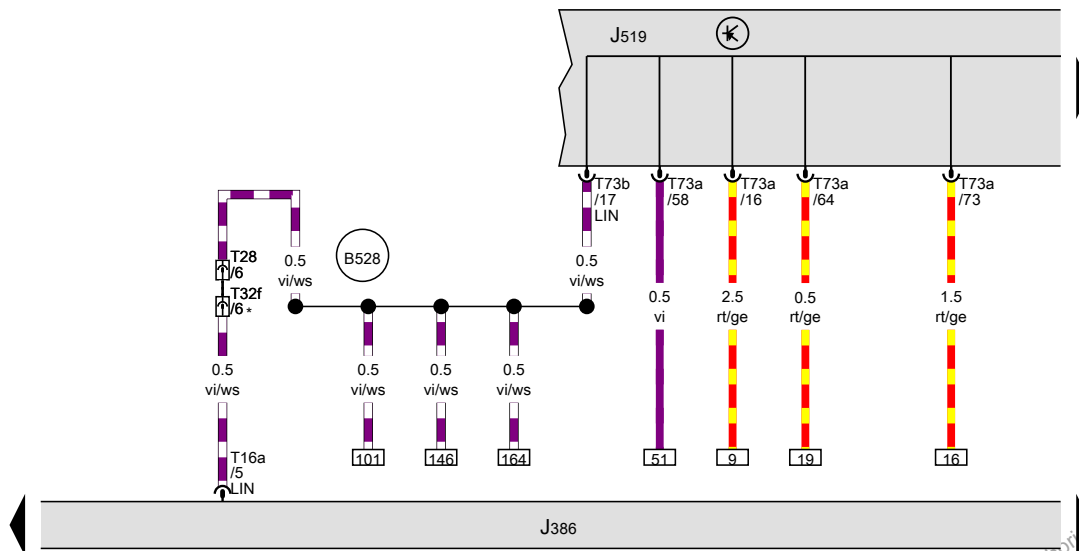
- E40 Front left window regulator switch
- E53 Rear left window regulator switch, in driver door
- E55 Rear right window regulator switch, in driver door
- E81 Front right window regulator switch in driver door
- E318 Childproof lock button
- J386 Driver door control unit
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T10f 10-pin connector
- T16a 16-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32f 32-pin connector, lower part of A-pillar, driver side
- V147 Driver side window regulator motor
- Q38 Positive connection 1 (58b), in window regulator wiring harness

- * Only models with front and rear window regulators
- *2 Only models with childproof locks
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear lid remote release button, Driver side interior locking button for central locking system, Driver door control unit, Onboard supply control unit, Button illumination bulb

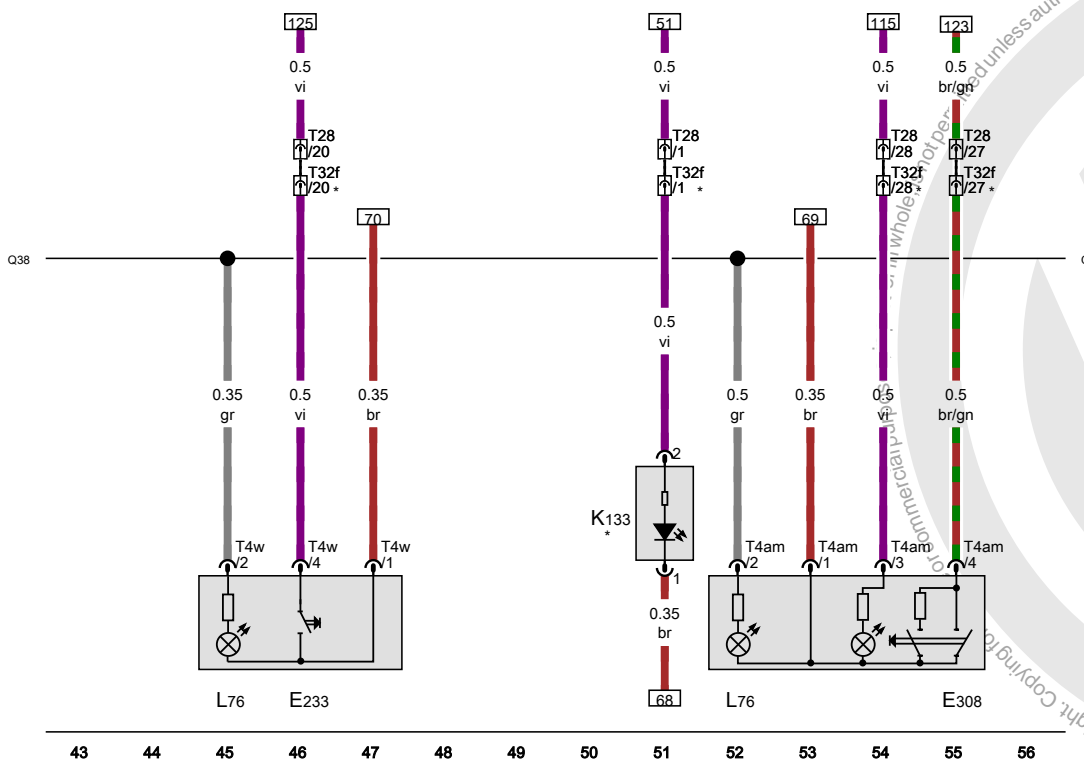
- E233 Rear lid remote release button
- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- J519 Onboard supply control unit
- K133 Central locking SAFELOCK function warning lamp
- L76 Button illumination bulb
- T4am 4-pin connector
- T4w 4-pin connector
- T16a 16-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector



B528 Connection 1 (LIN bus) in main wiring harness

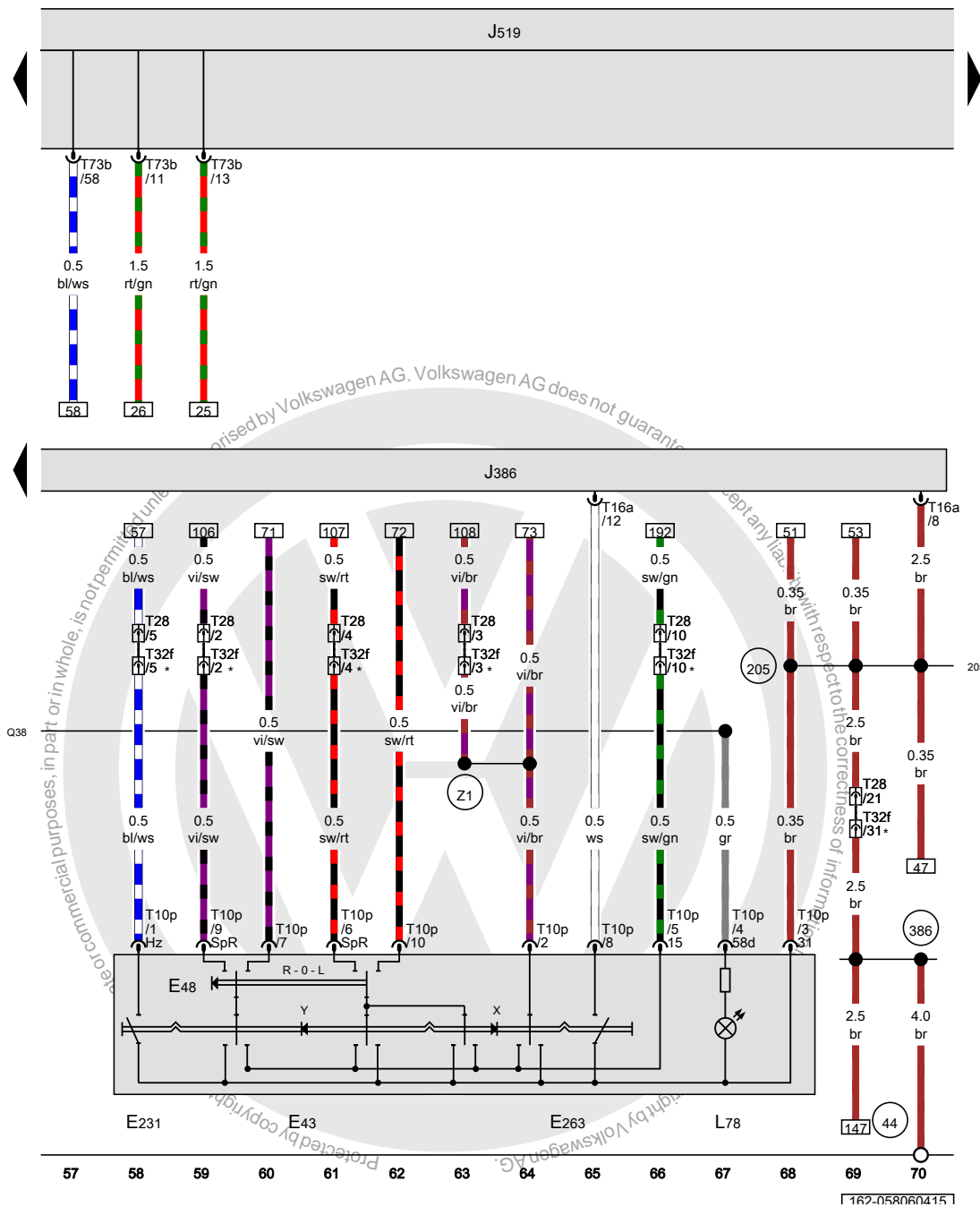
Q38 Positive connection 1 (58b), in window regulator wiring harness

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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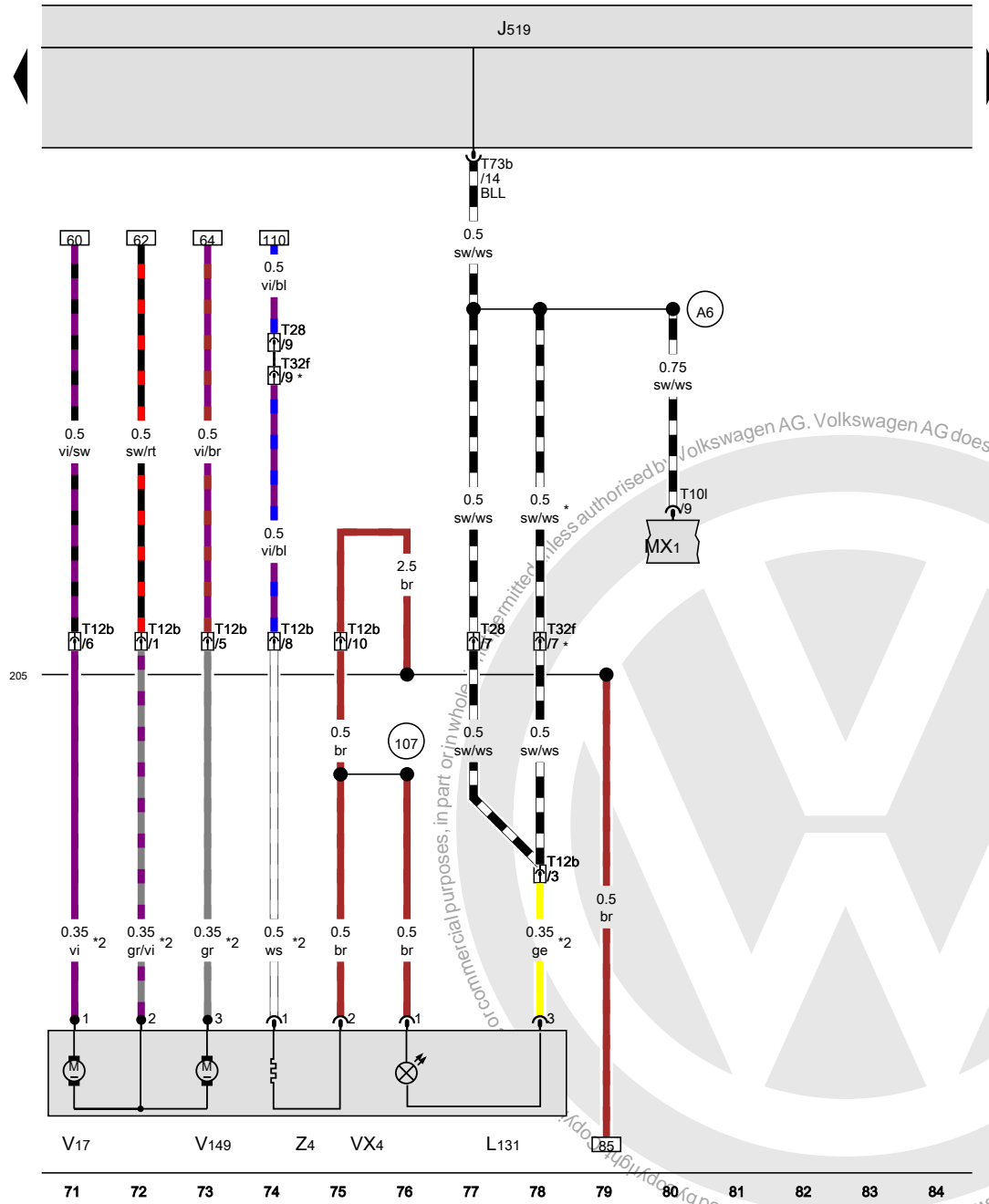
Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Fold-in mirror switch, Driver door control unit, Onboard supply control unit, Mirror adjustment switch illumination bulb

- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- J386 Driver door control unit
- J519 Onboard supply control unit
- L78 Mirror adjustment switch illumination bulb
- T10p 10-pin connector
- T16a 16-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73b 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness

* According to equipment

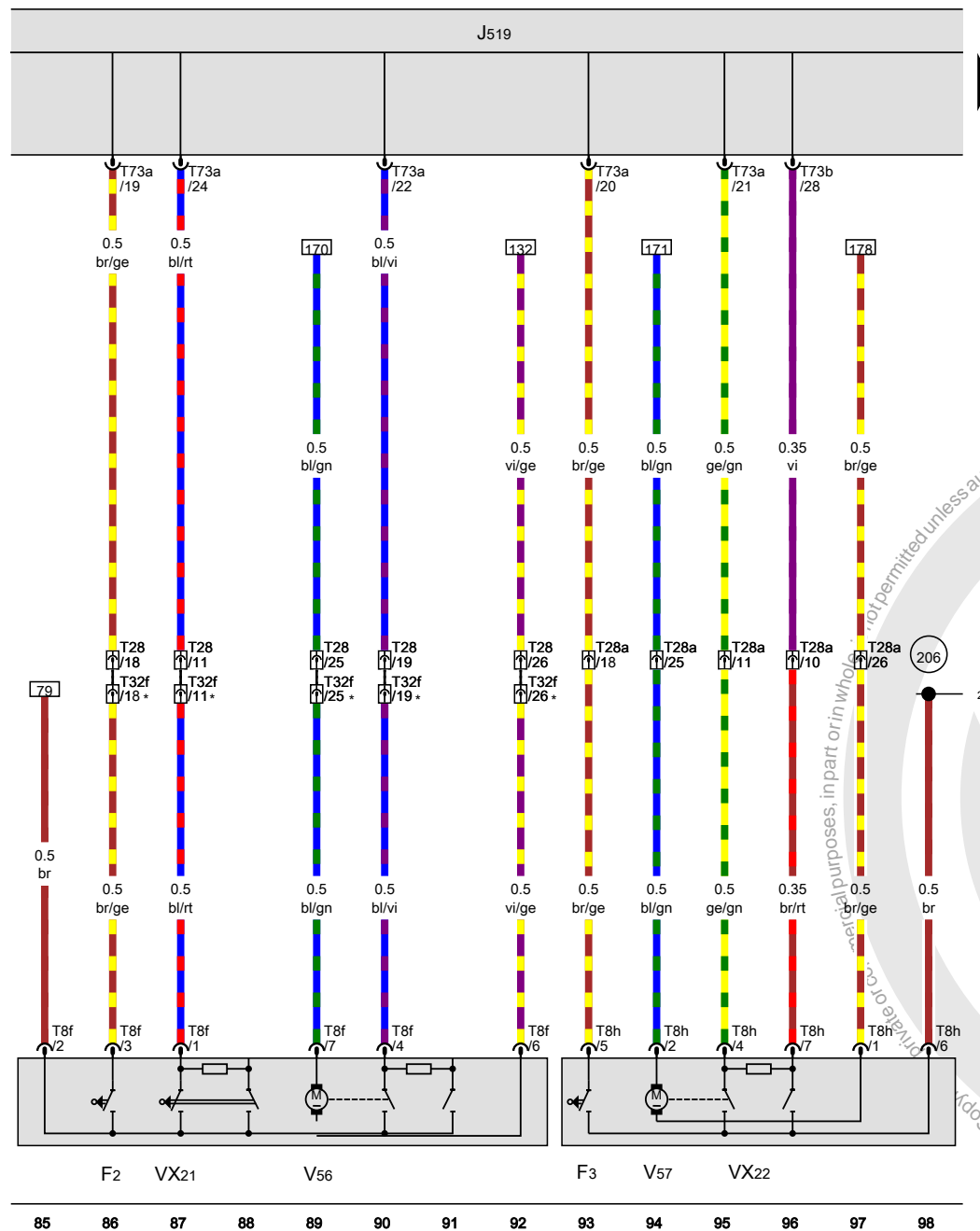
- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Driver side exterior mirror, Driver side mirror adjustment motor

- J519 Onboard supply control unit
- L131 Driver side turn signal repeater bulb
- MX1 Front left headlight
- T101 10-pin connector
- T12b 12-pin connector, in driver door wiring harness
- T28 28-pin connector, lower part of A-pillar, driver side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73b 73-pin connector
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side
- 107 Earth connection, in external mirror wiring harness, in left door, near exterior mirror
- 205 Earth connection, in driver door wiring harness
- A6 Positive connection (left turn signal), in dash panel wiring harness
- * According to equipment
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

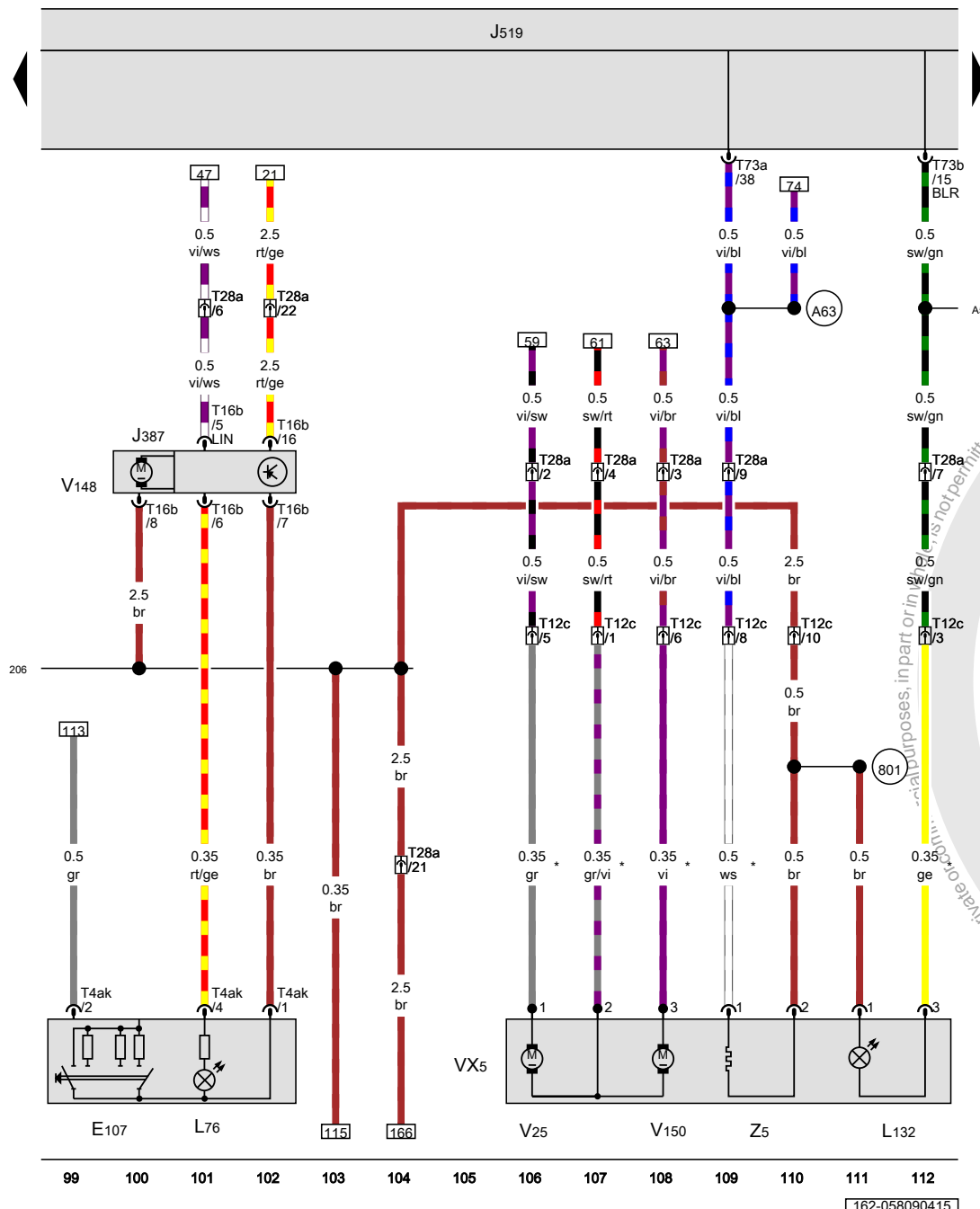


Driver door contact switch, Front passenger door contact switch, Onboard supply control unit, Driver door lock unit, Front passenger door lock unit, Driver door central locking motor, Front passenger seat central locking motor

- F2 Driver door contact switch
- F3 Front passenger door contact switch
- J519 Onboard supply control unit
- T8f 8-pin connector
- T8h 8-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector
- VX21 Driver door lock unit
- VX22 Front passenger door lock unit
- V56 Driver door central locking motor
- V57 Front passenger seat central locking motor
- 206 Earth connection, in front passenger door wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- ll = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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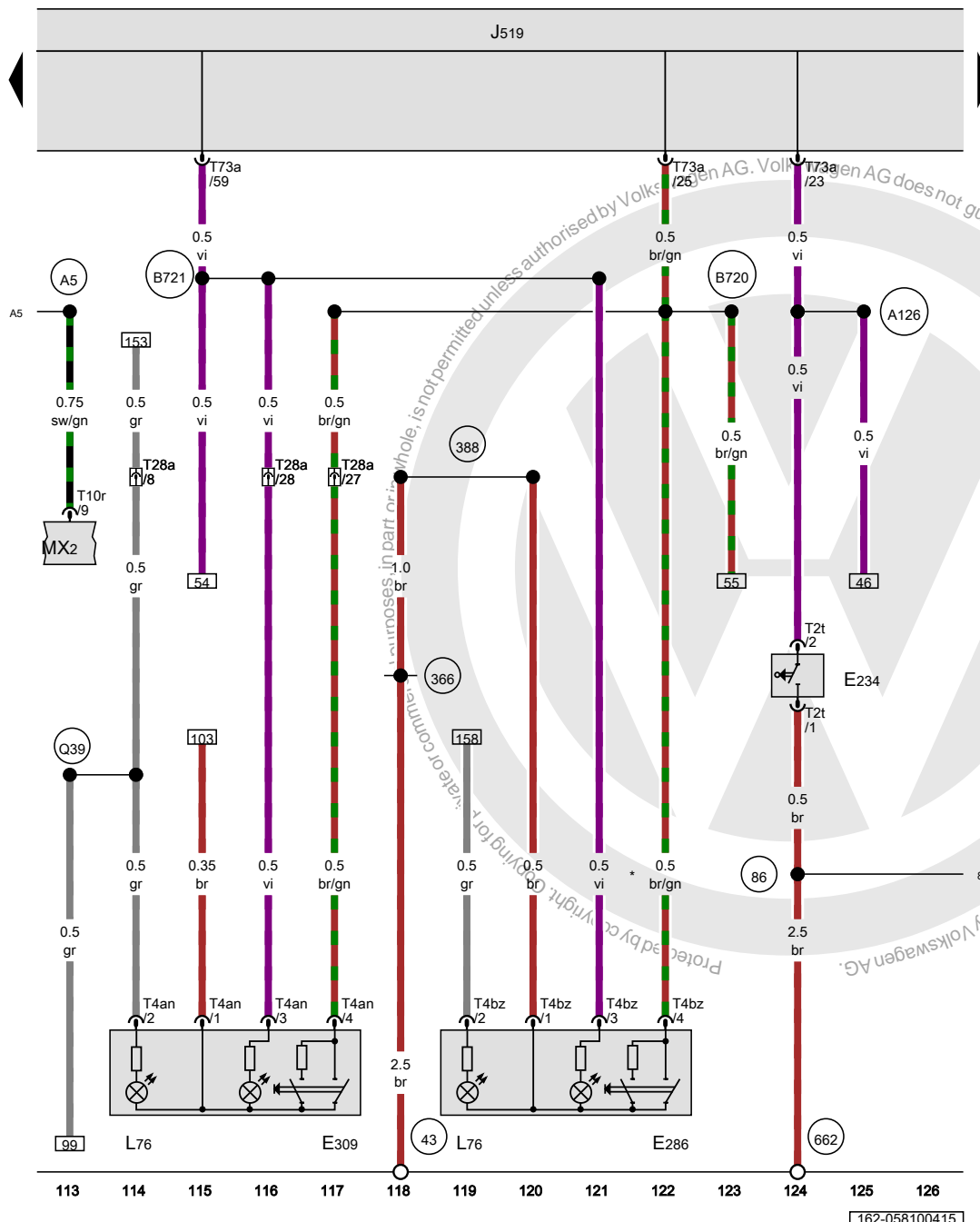


Window regulator switch in front passenger door, Front passenger door control unit, Onboard supply control unit, Front passenger side turn signal repeater bulb, Front passenger side exterior mirror, Front passenger side window regulator motor

- E107 Window regulator switch in front passenger door
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- L132 Front passenger side turn signal repeater bulb
- T4ak 4-pin connector
- T12c 12-pin connector, in front passenger door
- T16b 16-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T73a 73-pin connector
- T73b 73-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V148 Front passenger side window regulator motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

- 206 Earth connection, in front passenger door wiring harness
- 801 Earth connection 2, in external mirror wiring harness, in right door, near exterior mirror
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A63 Connection (mirror adjustment/heating), in dash panel wiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

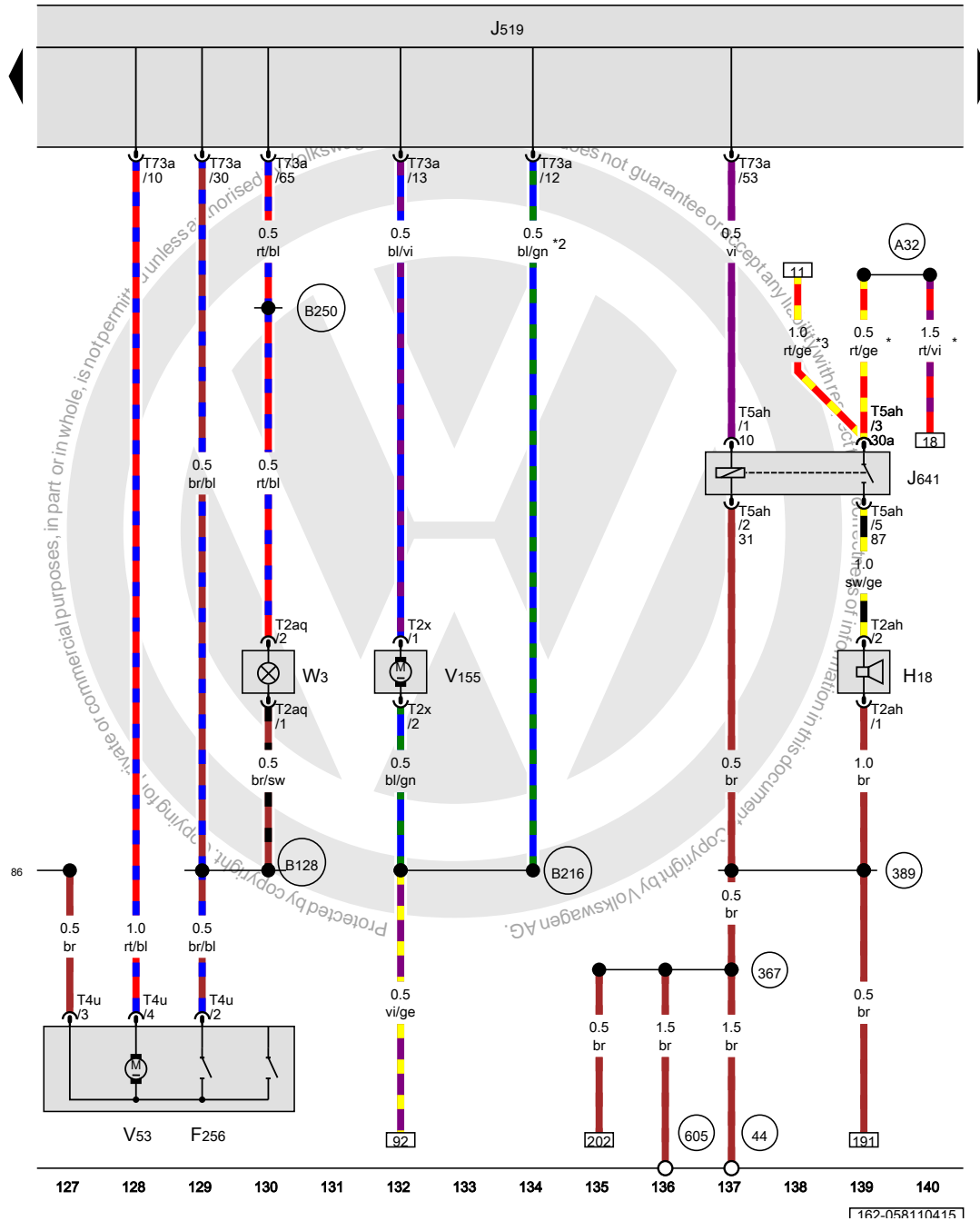


Rear lid handle release button, Rear central switch for interior locking, Front passenger side interior locking button for central locking system, Onboard supply control unit

- E234 Rear lid handle release button
- E286 Rear central switch for interior locking
- E309 Front passenger side interior locking button for central locking system
- J519 Onboard supply control unit
- L76 Button illumination bulb
- MX2 Front right headlight
- T2t 2-pin connector
- T4an 4-pin connector
- T4bz 4-pin connector
- T10r 10-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T73a 73-pin connector

- 43 Earth point, lower part of right A-pillar
- 86 Earth connection 1, in rear wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 662 Earth point, rear left side panel
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A126 Connection (rear lid contact switch), in dash panel wiring harness
- B720 Connection 1 (central locking), in main wiring harness
- B721 Connection 2 (central locking), in main wiring harness
- Q39 Positive connection 2 (58b), in window regulator wiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear lid lock unit, Onboard supply control unit, Rear lid central locking motor, Tank filler flap locking motor, Luggage compartment light

- F256 Rear lid lock unit
- H18 Alarm system horn
- J519 Onboard supply control unit
- J641 Alarm horn relay
- T2ah 2-pin connector
- T2aq 2-pin connector
- T2x 2-pin connector
- T4u 4-pin connector
- T5ah 5-pin connector
- T73a 73-pin connector
- V53 Rear lid central locking motor
- V155 Tank filler flap locking motor
- W3 Luggage compartment light

- 44 Earth point, lower part of left A-pillar
- 86 Earth connection 1, in rear wiring harness
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- A32 Positive connection (30), in dash panel wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- B216 Connection 3 (central locking), in interior wiring harness
- B250 Positive connection, in roof wiring harness

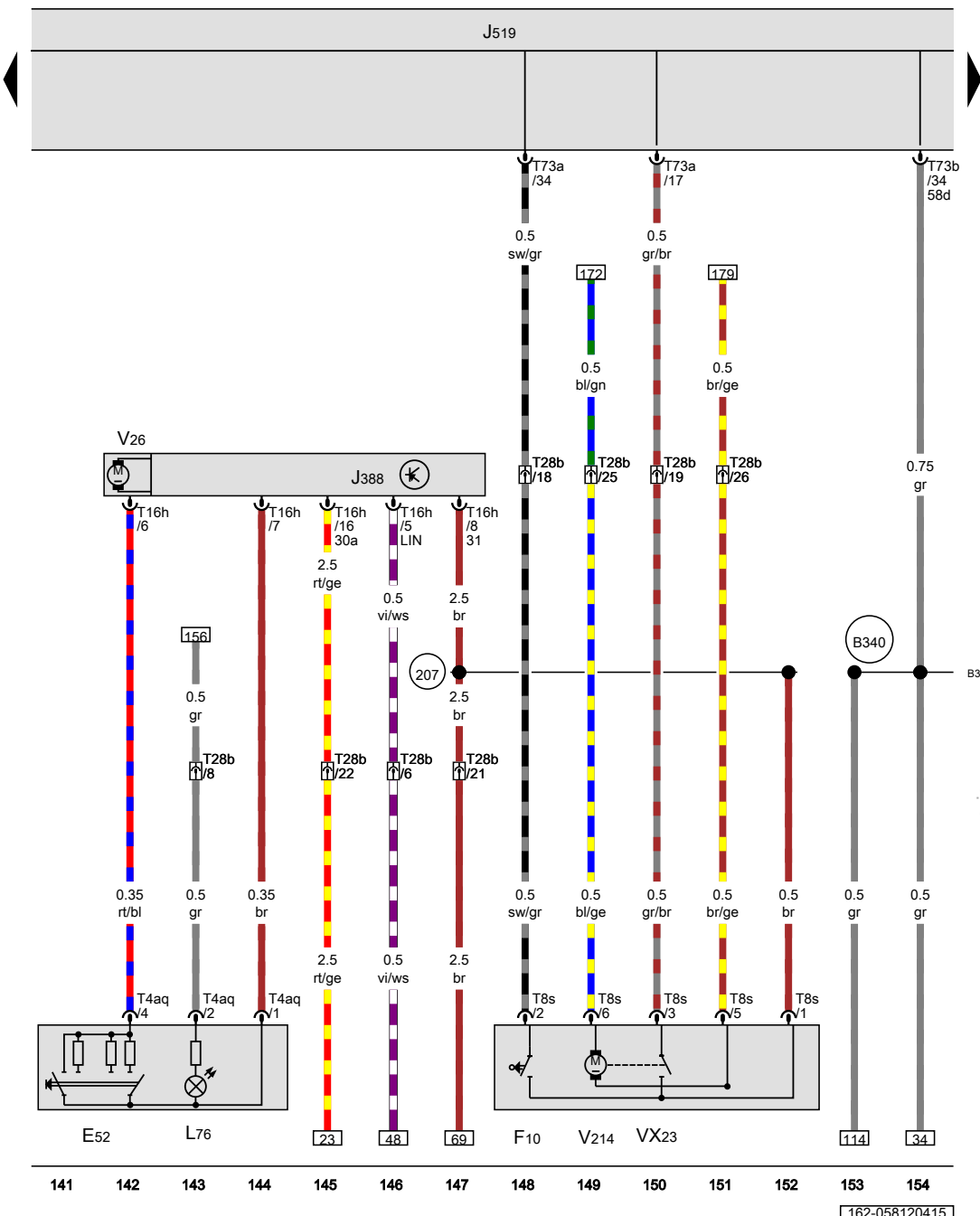
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Gradually discontinued
- *2 Wiring colour depends on equipment
- *3 gradual introduction

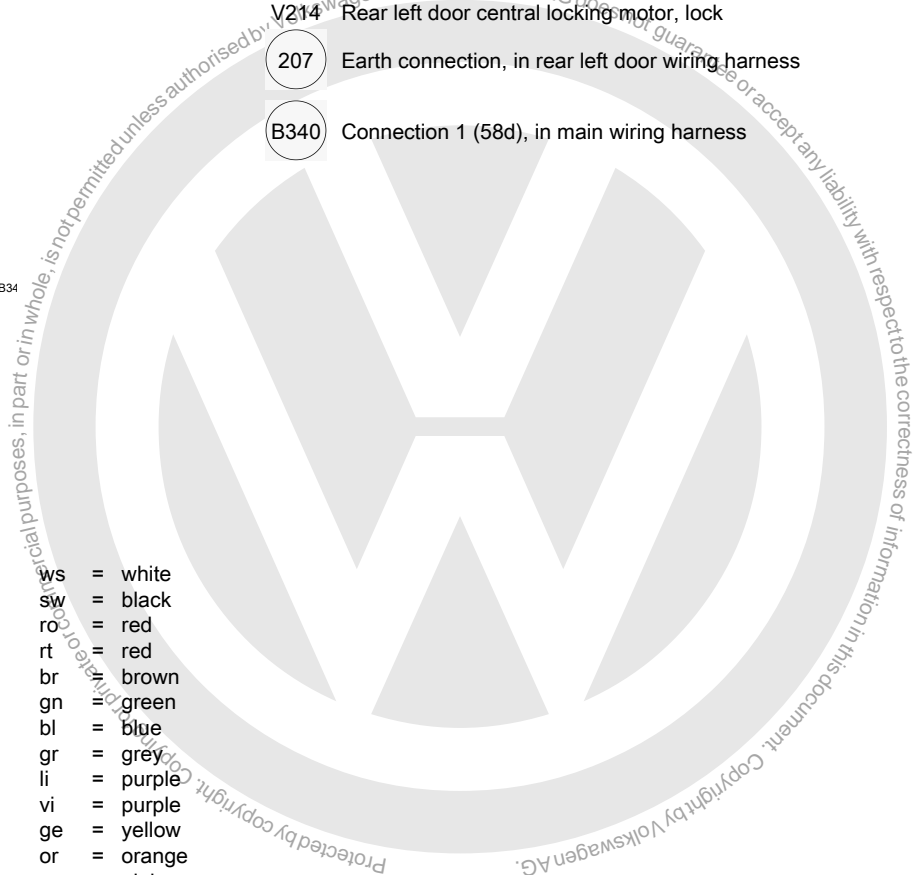
Rear left window regulator switch, in door, Rear left door contact switch, Rear left door control unit, Onboard supply control unit, Rear left door lock unit, Rear left window regulator motor, Rear left door central locking motor, lock

- E52 Rear left window regulator switch, in door
- F10 Rear left door contact switch
- J388 Rear left door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4aq 4-pin connector
- T8s 8-pin connector
- T16h 16-pin connector
- T28b 28-pin connector, on left B-pillar
- T73a 73-pin connector
- T73b 73-pin connector
- VX23 Rear left door lock unit
- V26 Rear left window regulator motor
- V214 Rear left door central locking motor, lock

- 207 Earth connection, in rear left door wiring harness
- B340 Connection 1 (58d), in main wiring harness



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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-058120415



Rear right window regulator switch, in door, Rear right door control unit, Onboard supply control unit, Rear right window regulator motor

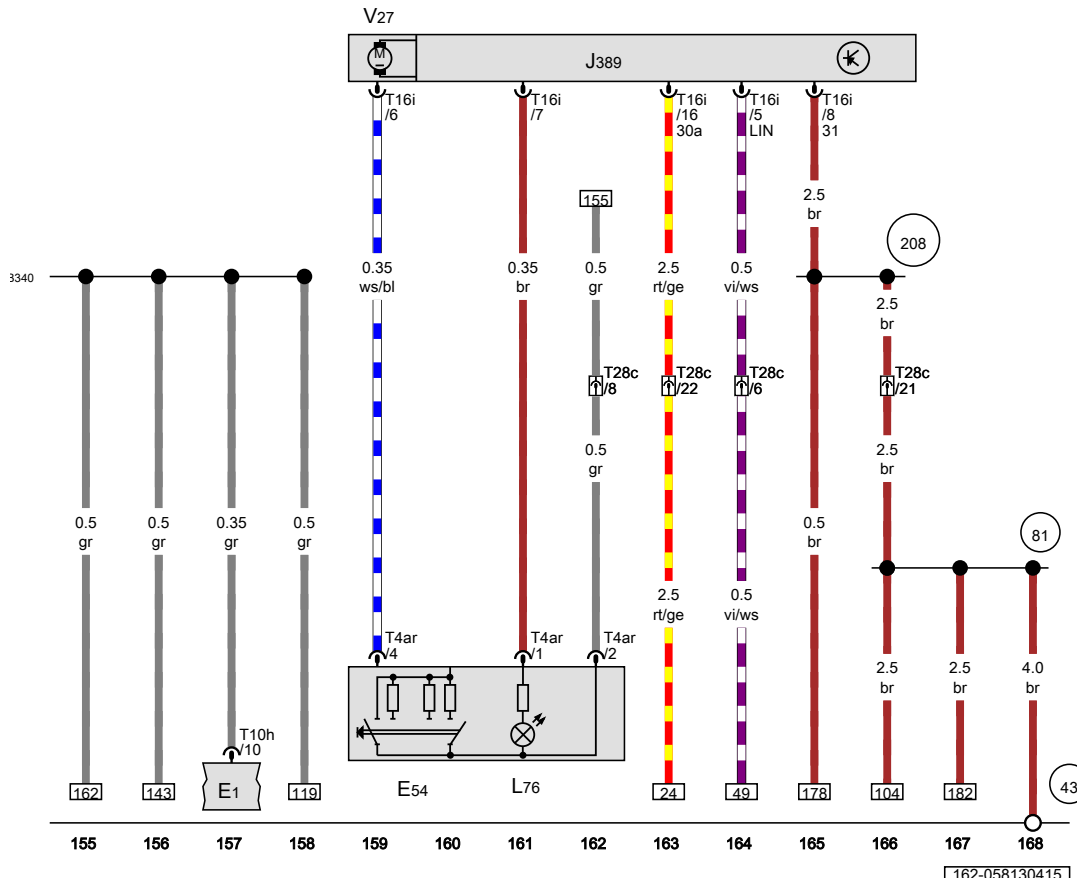
- E1 Light switch
- E54 Rear right window regulator switch, in door
- J389 Rear right door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T10h 10-pin connector
- T16i 16-pin connector
- T28c 28-pin connector, on right B-pillar
- V27 Rear right window regulator motor

43 Earth point, lower part of right A-pillar

81 Earth connection 1, in dash panel wiring harness

208 Earth connection, in rear right door wiring harness

B340 Connection 1 (58d), in main wiring harness



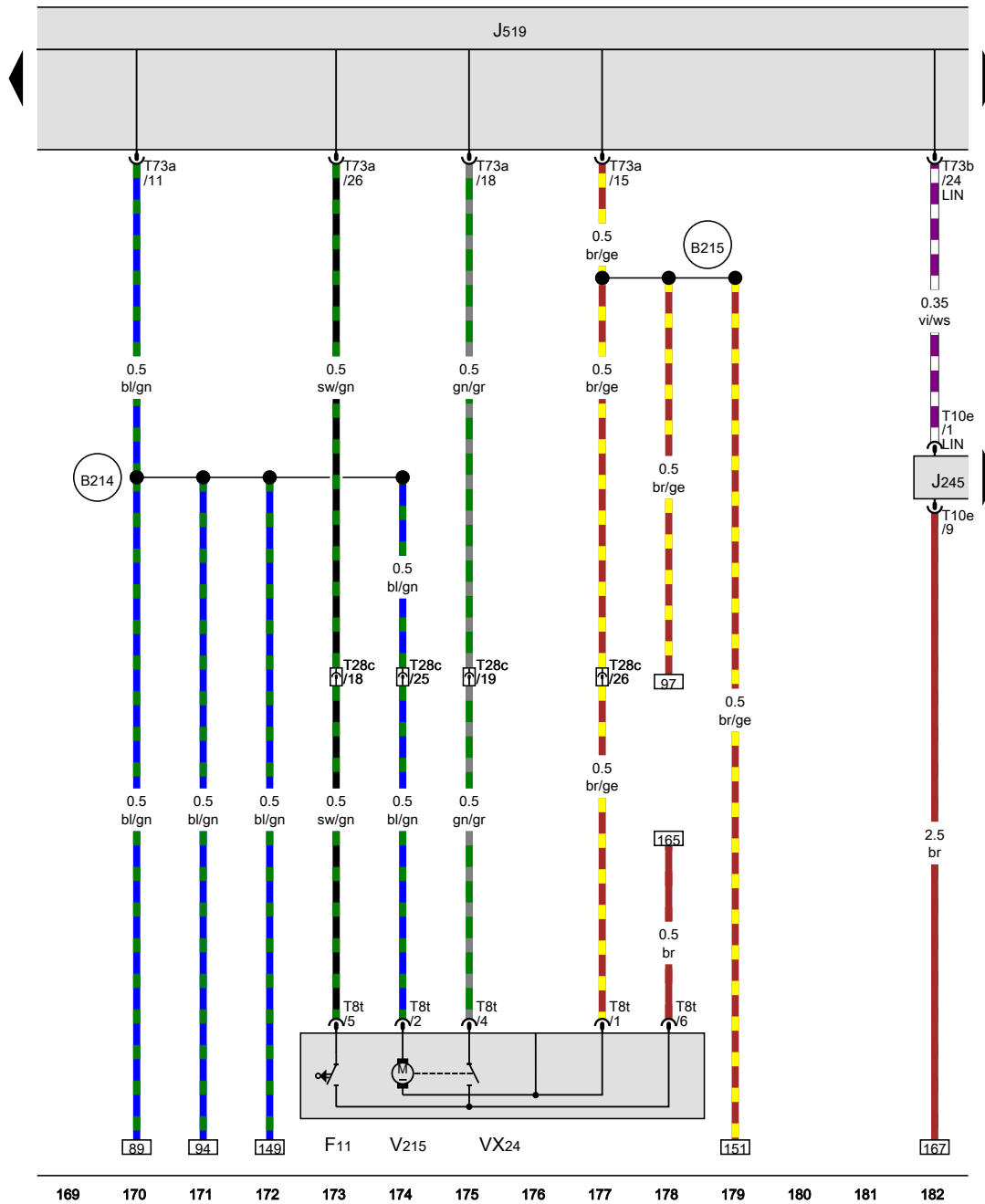
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- rs = pink

Rear right door contact switch, Sliding sunroof adjustment control unit, Onboard supply control unit, Rear right door lock unit, Rear right door central locking motor, lock

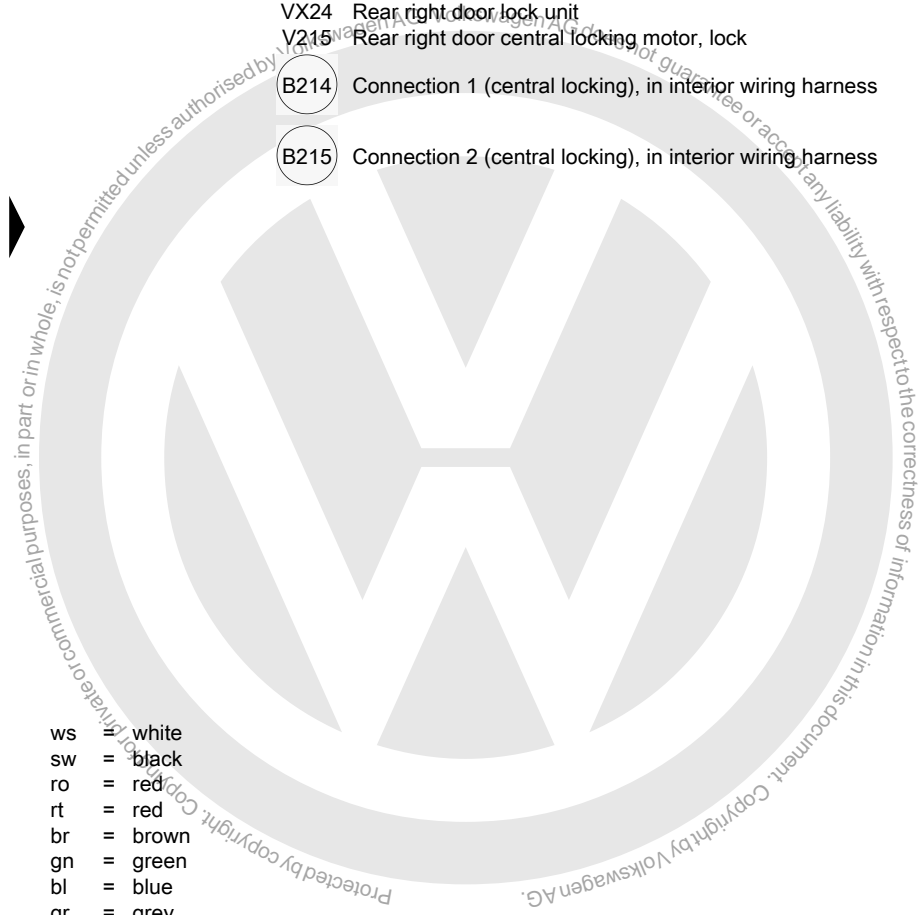
- F11 Rear right door contact switch
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- T8t 8-pin connector
- T10e 10-pin connector
- T28c 28-pin connector, on right B-pillar
- T73a 73-pin connector
- T73b 73-pin connector
- VX24 Rear right door lock unit
- V215 Rear right door central locking motor, lock

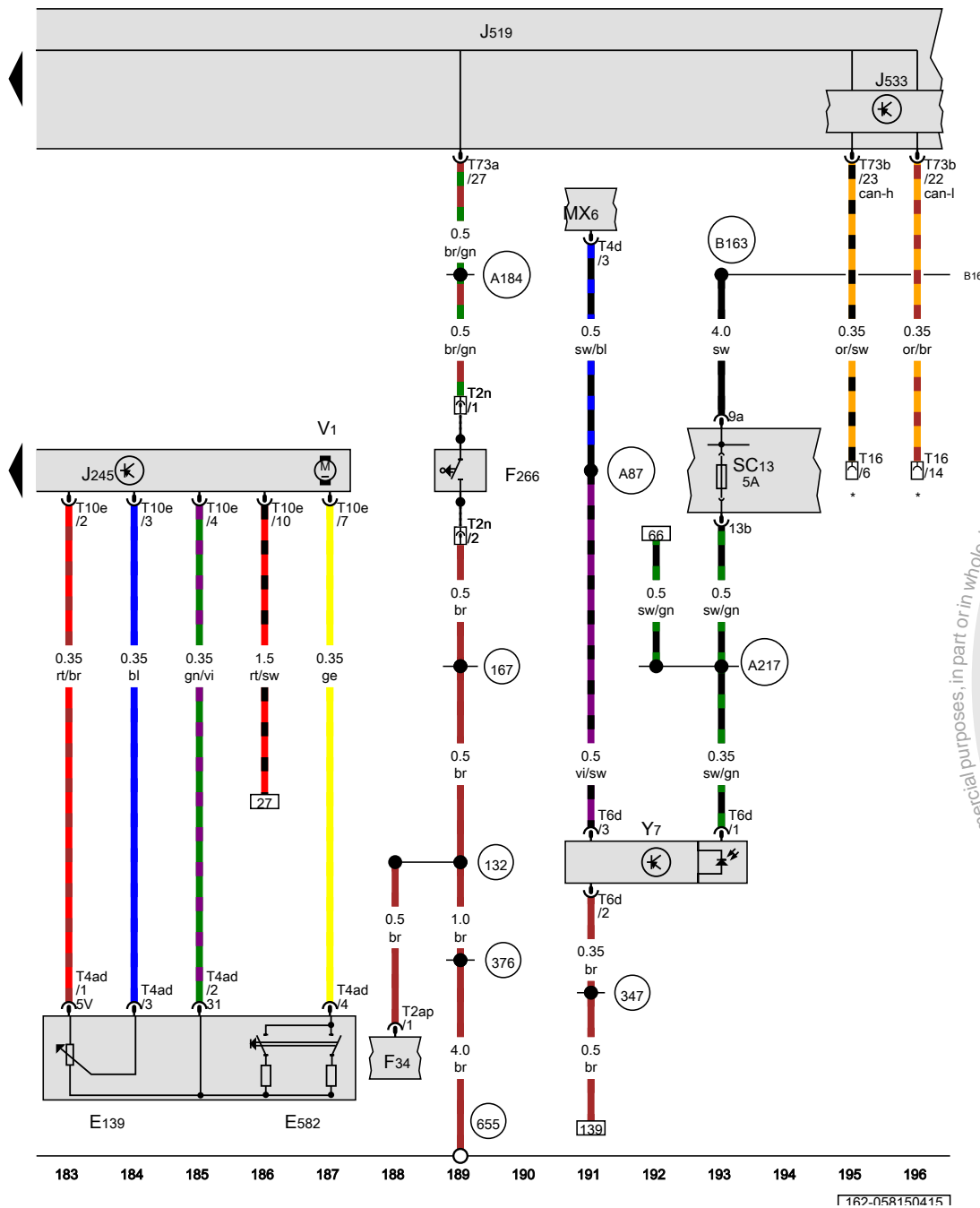
B214 Connection 1 (central locking), in interior wiring harness

B215 Connection 2 (central locking), in interior wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





Sliding sunroof adjustment regulator, Button 1 for tilting roof, Bonnet contact switch, Sliding sunroof adjustment control unit, Onboard supply control unit, Data bus diagnostic interface, Sliding sunroof motor, Automatic anti-dazzle interior mirror

- E139 Sliding sunroof adjustment regulator
- E582 Button 1 for tilting roof
- F34 Brake fluid level warning contact
- F266 Bonnet contact switch
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- MX6 Right tail light 2
- SC13 Fuse 13 on fuse holder C
- T2ap 2-pin connector
- T2n 2-pin connector
- T4ad 4-pin connector
- T4d 4-pin connector
- T6d 6-pin connector
- T10e 10-pin connector
- T16 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V1 Sliding sunroof motor
- Y7 Automatic anti-dazzle interior mirror

132 Earth connection 3, in engine compartment wiring harness

167 Earth connection 4, in engine compartment wiring harness

347 Earth connection, in roof wiring harness

376 Earth connection 11, in main wiring harness

655 Earth point, on left headlight

A87 Connection (RL), in dash panel wiring harness

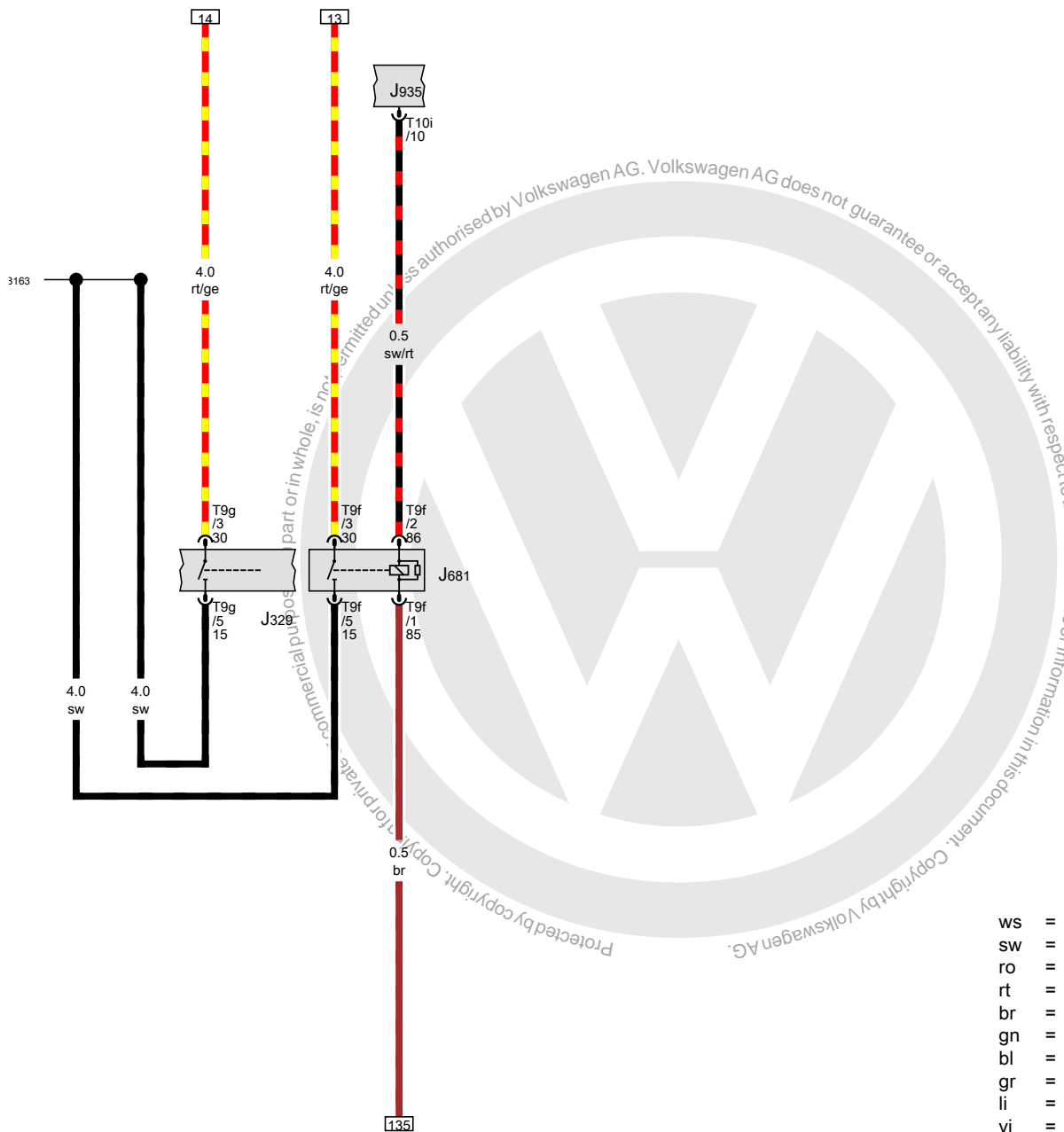
A184 Connection (bonnet contact switch), in dash panel wiring harness

A217 Positive connection 8 (15a) in dash panel wiring harness

B163 Positive connection 1 (15), in interior wiring harness

* Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2

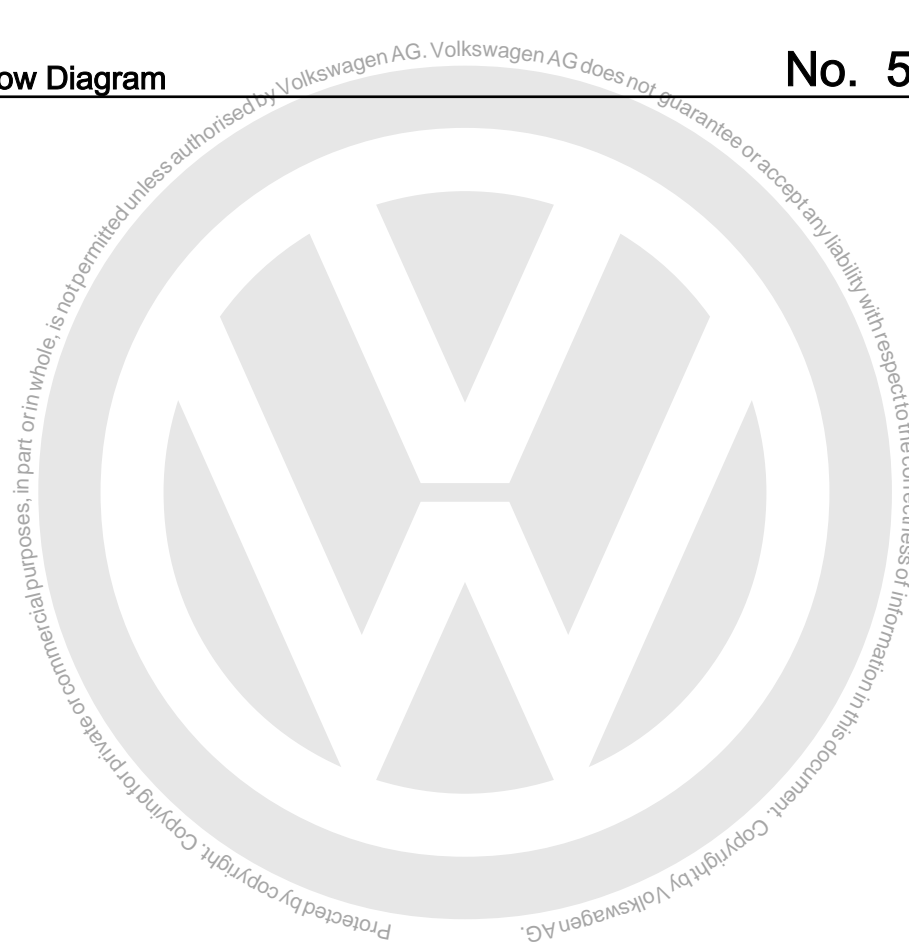
- J329 Terminal 15 voltage supply relay
- J681 Terminal 15 voltage supply relay 2
- J935 Converter box
- T9f 9-pin connector
- T9g 9-pin connector
- T10i 10-pin connector

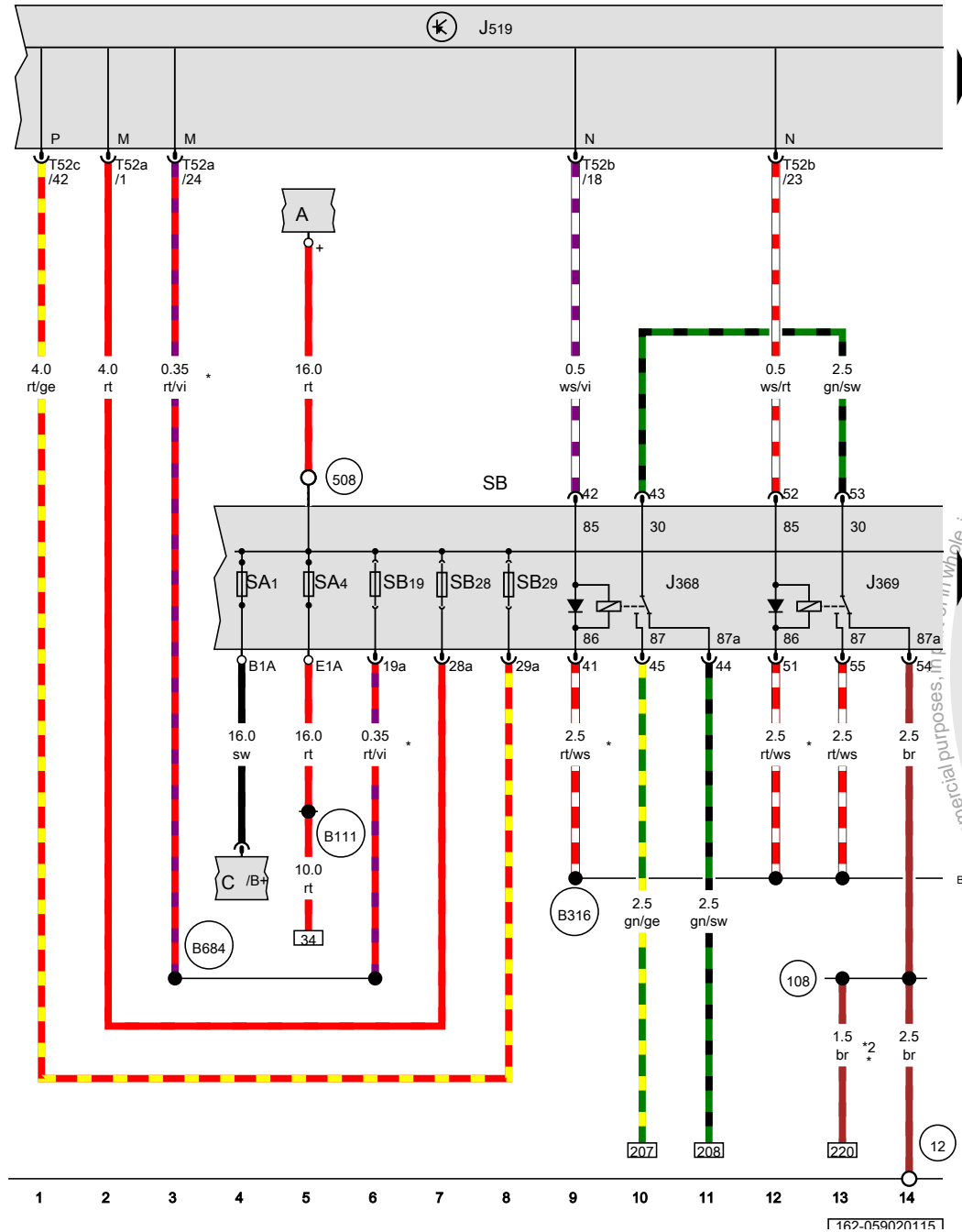
B163 Positive connection 1 (15), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Basic equipment , (AW1)

From June 2011





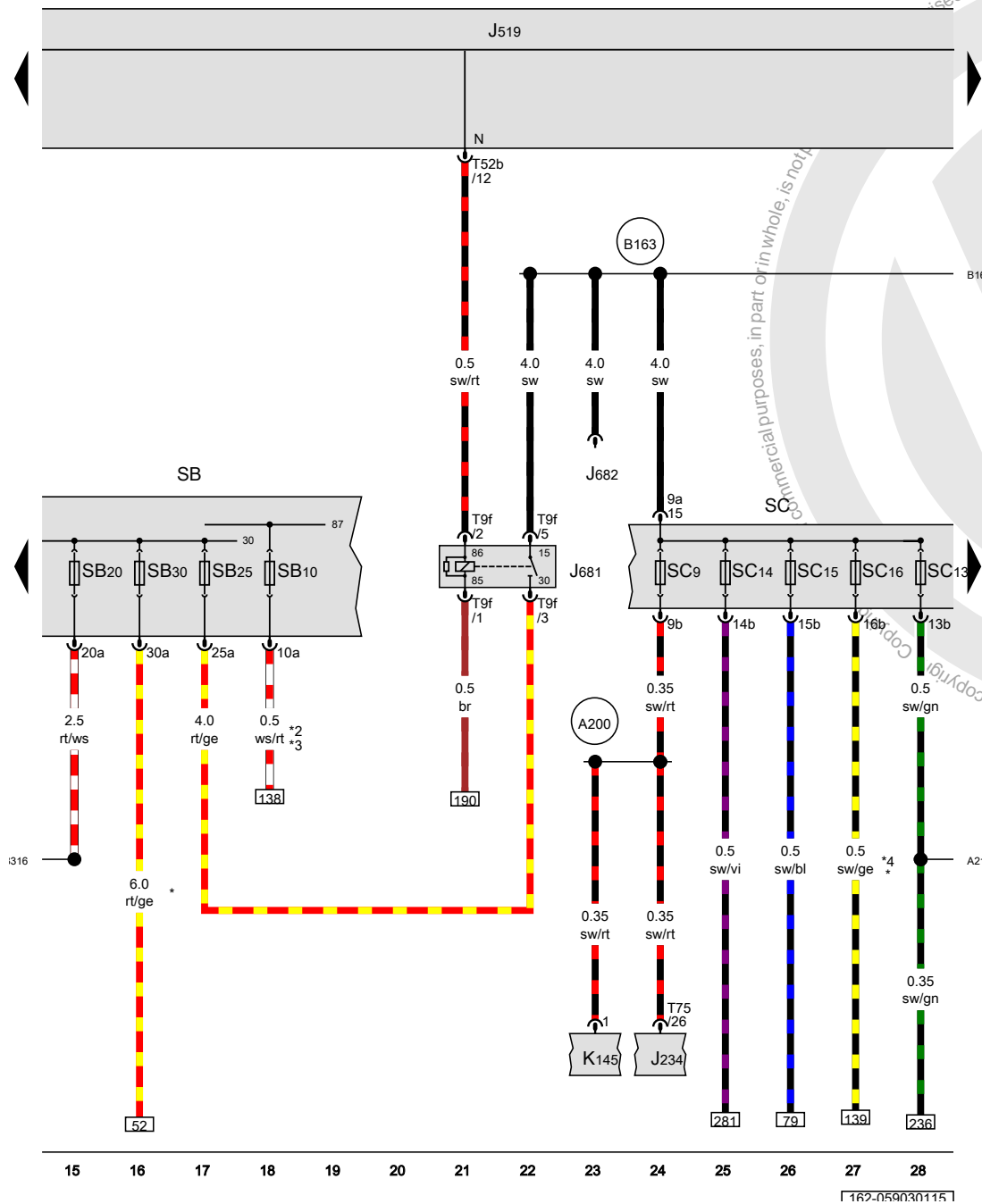
Wiper motor relay 1, Wiper motor relay 2, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- C Alternator
- J368 Wiper motor relay 1
- J369 Wiper motor relay 2
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB28 Fuse 28 on fuse holder B
- SB29 Fuse 29 on fuse holder B
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B316 Positive connection 2 (30a) in main wiring harness
- B684 Positive connection 24 (30a) in main wiring harness
- * Cross section depends on equipment
- *2 Only models with dual tone horn

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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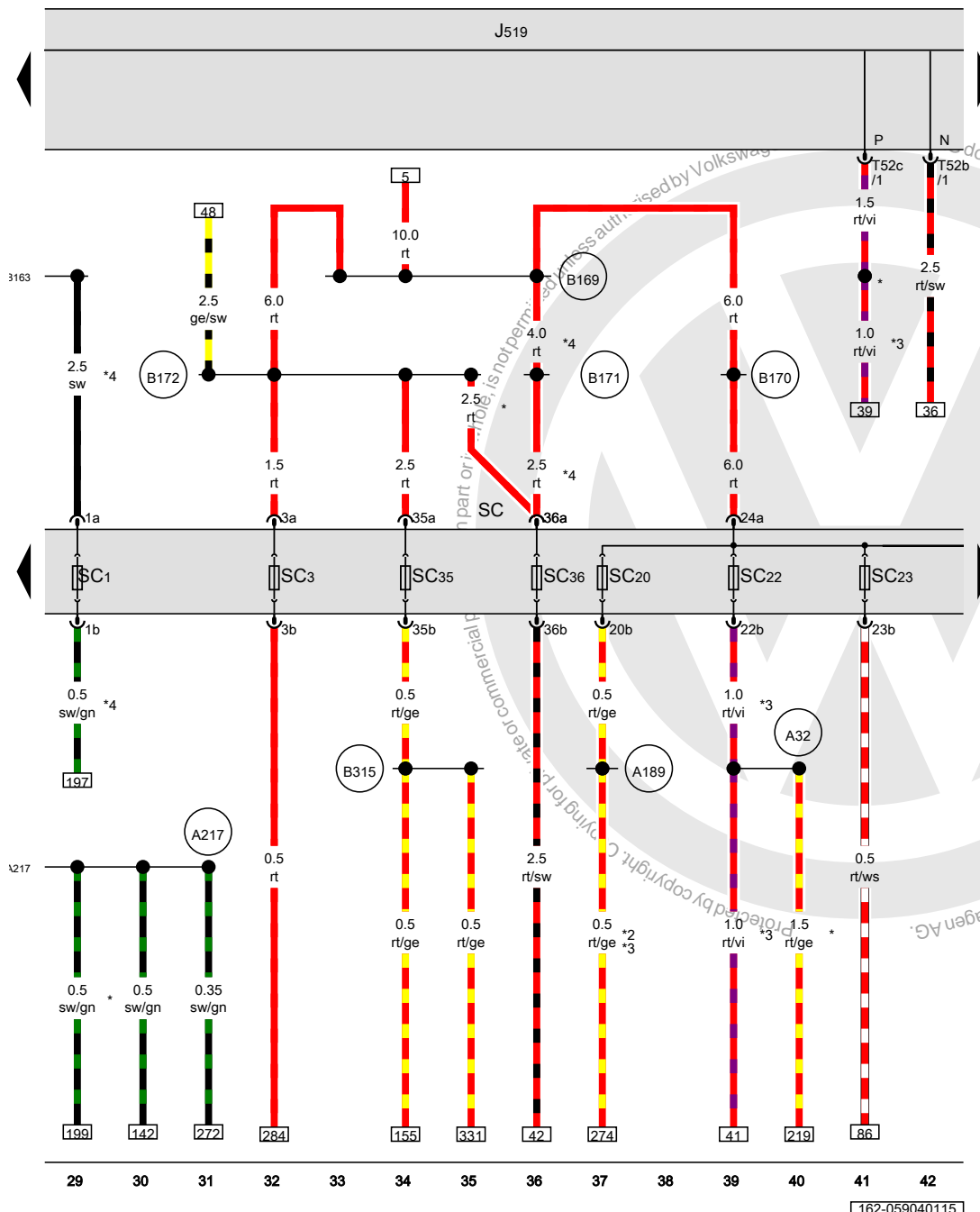
Onboard supply control unit, Terminal 15 voltage supply relay 2, Fuse holder B, Fuse holder C

- J234 Airbag control unit
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- K145 Front passenger side airbag deactivated warning lamp
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- SC Fuse holder C
- SC9 Fuse 9 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9f 9-pin connector
- T52b 52-pin connector
- T75 75-pin connector

- A200 Positive connection 5 (15a) in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B316 Positive connection 2 (30a) in main wiring harness
- * Cross section depends on equipment
- *2 Only models with dual clutch gearbox (DSG)
- *3 Up to May 2013
- *4 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Fuse holder C

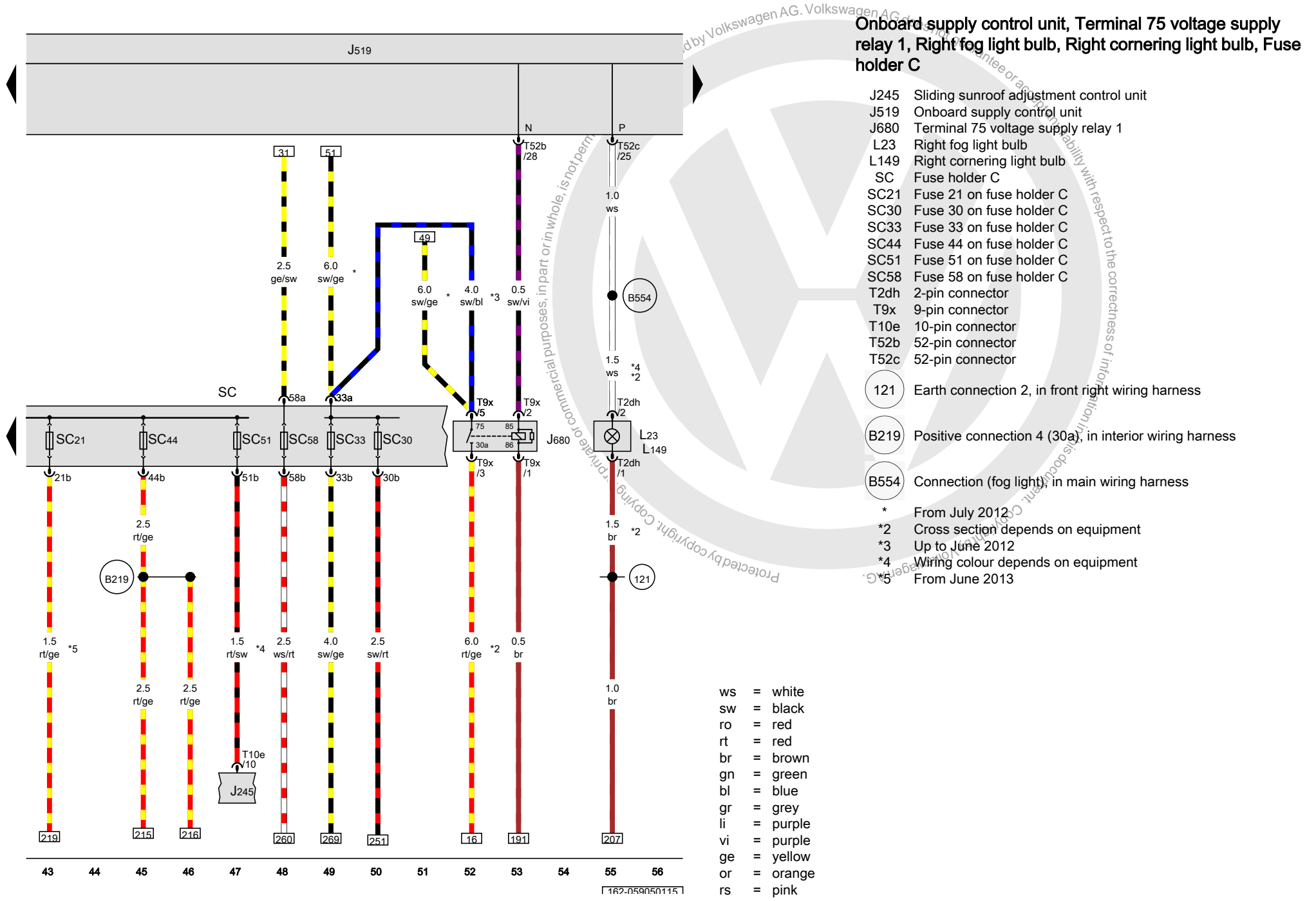


- J519 Onboard supply control unit
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T52b 52-pin connector
- T52c 52-pin connector

- A32 Positive connection (30), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

- * Up to May 2013
- *2 Only models with auxiliary coolant heater
- *3 Cross section depends on equipment
- *4 From June 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

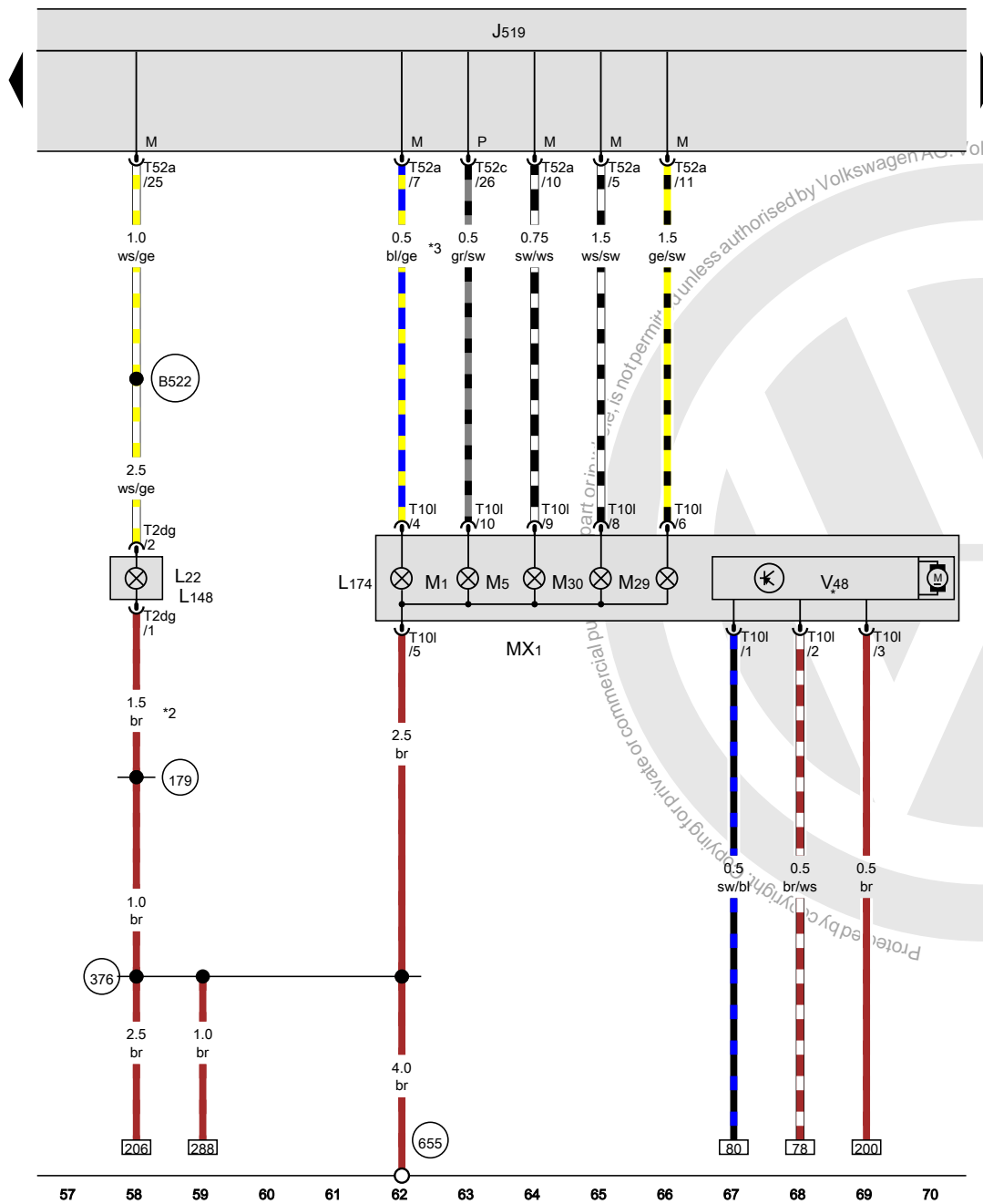


Onboard supply control unit, Left fog light bulb, Left cornering light bulb, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L148 Left cornering light bulb
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2dg 2-pin connector
- T10l 10-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- V48 Left headlight range control motor

- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point on left headlight
- B522 Connection (FL), in main wiring harness
- * According to equipment
- *2 Cross section depends on equipment
- *3 Wiring colour depends on equipment

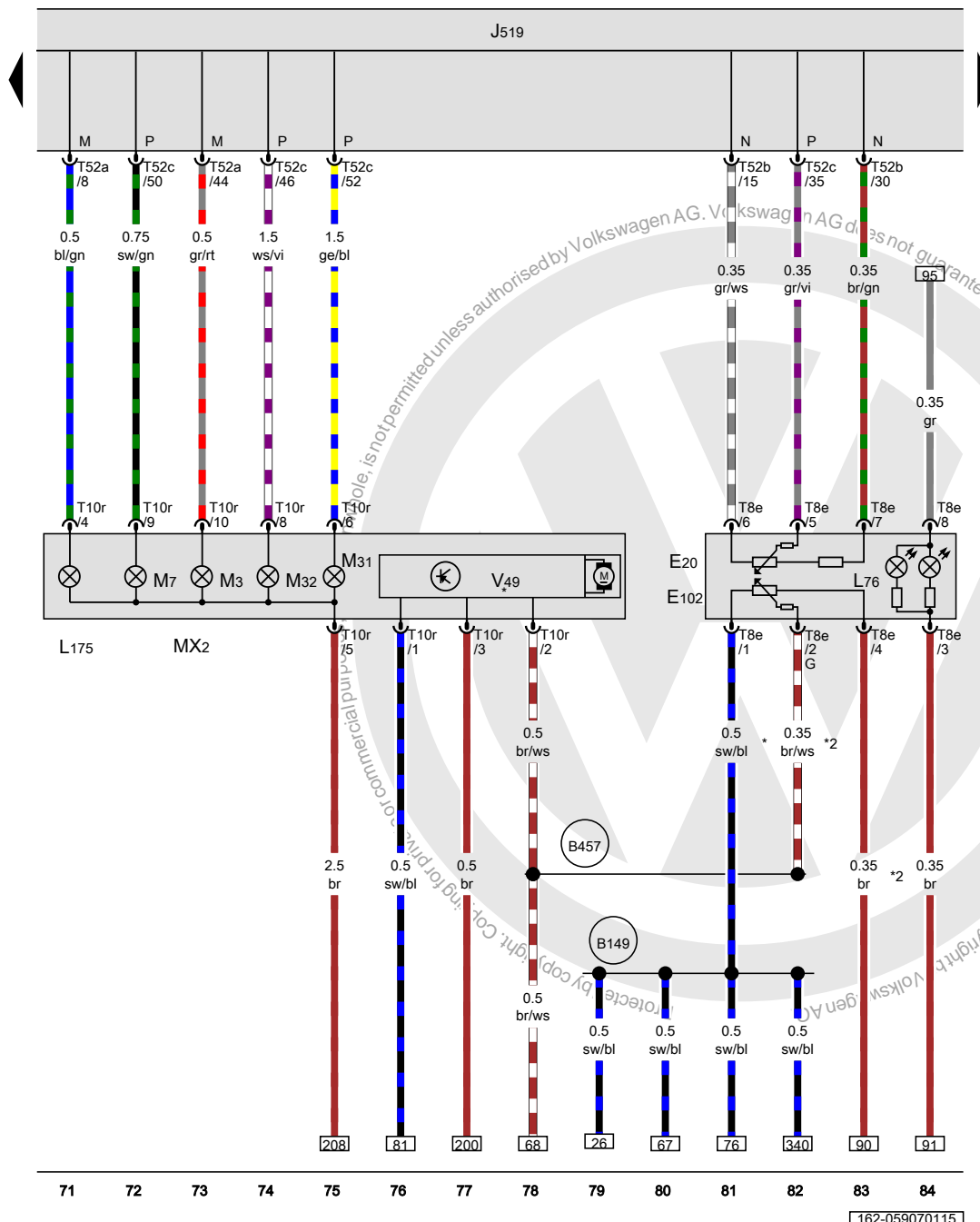
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



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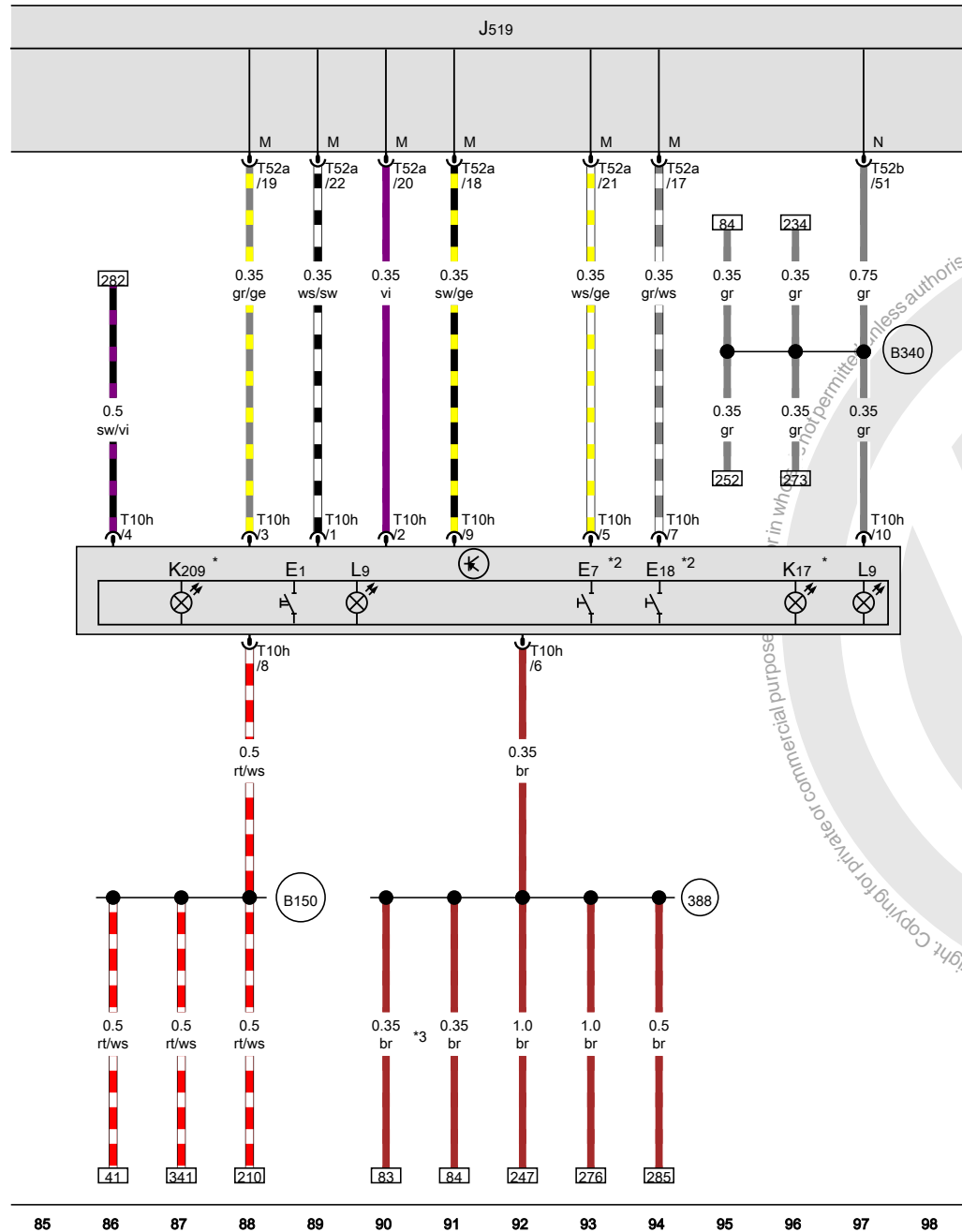
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight range control motor

- E20 Switch and instrument illumination regulator
 - E102 Headlight range control regulator
 - J519 Onboard supply control unit
 - L76 Button illumination bulb
 - L175 Right daytime running light bulb
 - MX2 Front right headlight
 - M3 Right side light bulb
 - M7 Front right turn signal bulb
 - M31 Right headlight dipped beam bulb
 - M32 Right headlight main beam bulb
 - T8e 8-pin connector
 - T10r 10-pin connector
 - T52a 52-pin connector
 - T52b 52-pin connector
 - T52c 52-pin connector
 - V49 Right headlight range control motor
- (B149) Positive connection 2 (15a), in interior wiring harness
- (B457) Connection 1 (potentiometer), in main wiring harness
- * According to equipment
- *2 Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit, Fog light warning lamp, Automatic control of lights warning lamp



- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- K17 Fog light warning lamp
- K209 Automatic control of lights warning lamp
- L9 Light switch illumination bulb
- T10h 10-pin connector
- T52a 52-pin connector
- T52b 52-pin connector

- 388 Earth connection 23, in main wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness

- * According to equipment
- *2 If fitted
- *3 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

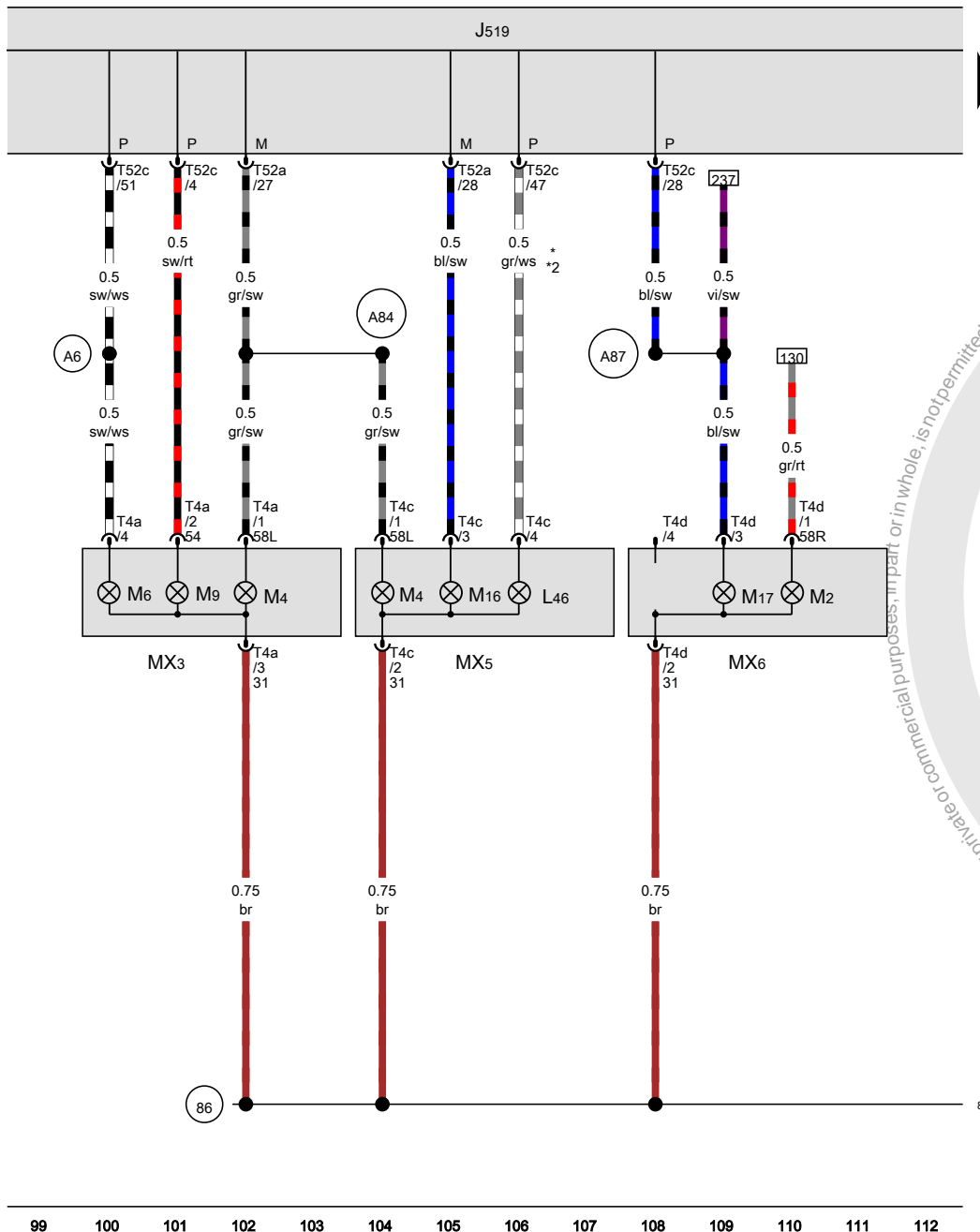
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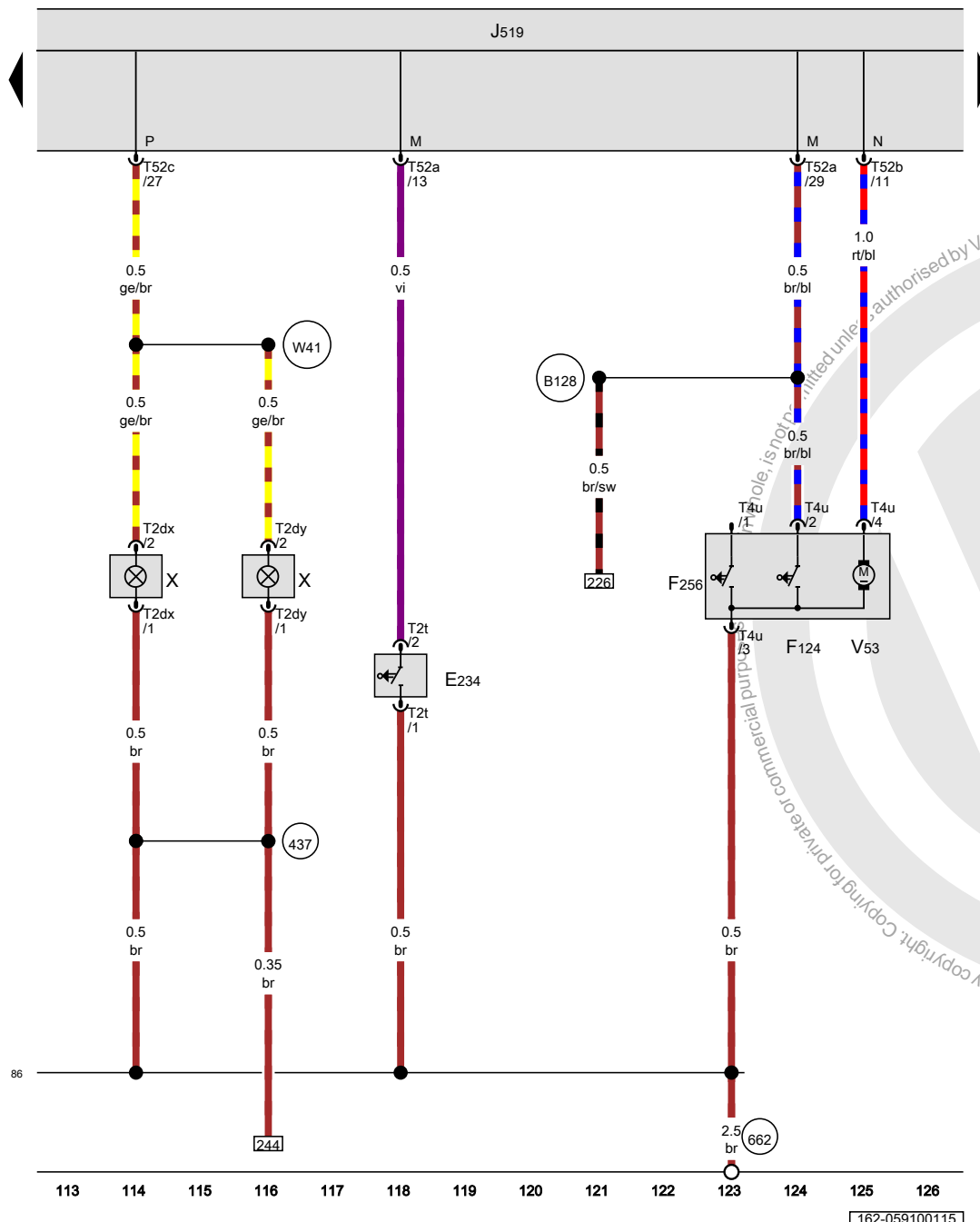
Onboard supply control unit, Rear left fog light bulb, Right tail light bulb, Left tail light, Left tail light bulb, Rear left turn signal bulb, Left brake light bulb, Right reversing light bulb

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- M6 Rear left turn signal bulb
- MX6 Right tail light 2
- M9 Left brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T4a 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

- 86 Earth connection 1, in rear wiring harness
- A6 Positive connection (left turn signal), in dash panel wiring harness
- A84 Connection (58L), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness
- * According to equipment
- *2 Only models with no US equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





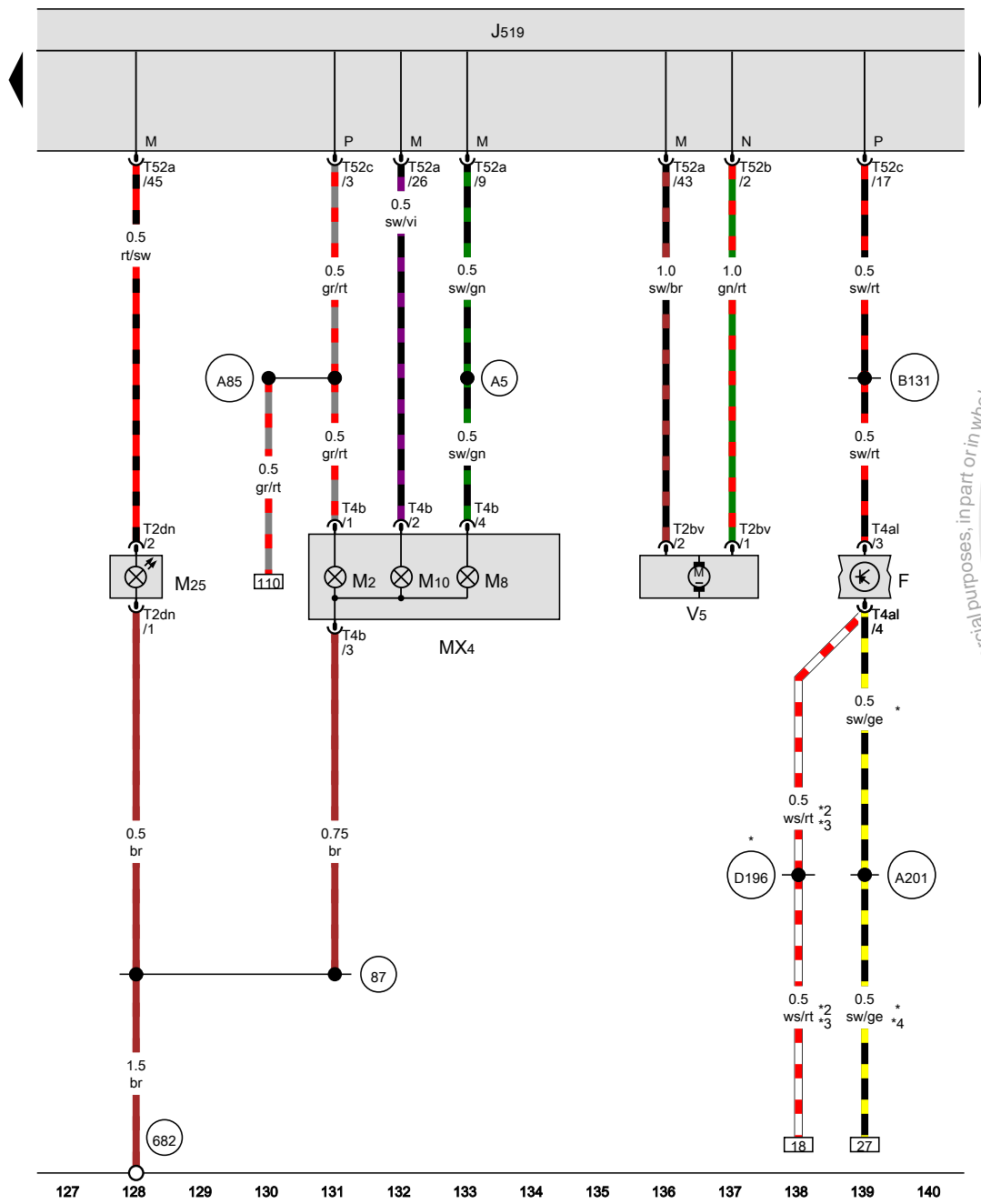
Rear lid handle release button, Onboard supply control unit, Rear lid central locking motor, Number plate light

- E234 Rear lid handle release button
- F124 Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2dx 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V53 Rear lid central locking motor
- X Number plate light

- 86 Earth connection 1, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 662 Earth point, rear left side panel
- B128 Connection (luggage compartment light), in interior wiring harness
- W41 Positive connection (58), in number plate lights wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Onboard supply control unit, Right tail light, Rear right turn signal bulb, Right brake light bulb, High-level brake light bulb



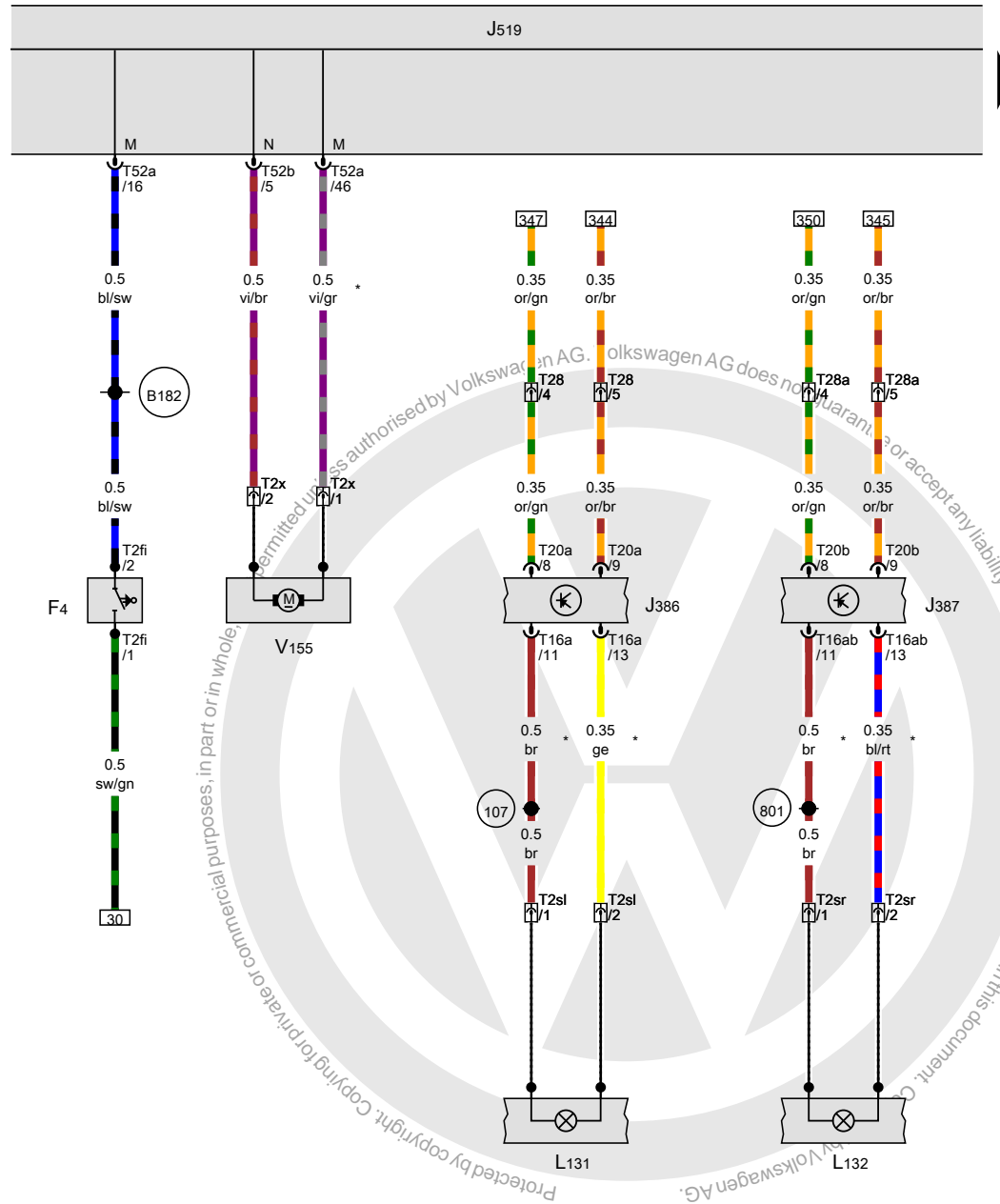
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- F Brake light switch
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M25 High-level brake light bulb
- T2bv 2-pin connector
- T2dn 2-pin connector
- T4al 4-pin connector
- T4b 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V5 Washer pump

- 87 Earth connection 2, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A85 Connection (58R), in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- D196 Connection 2 (87a) in engine prewiring harness

- * According to equipment
- *2 Only models with dual clutch gearbox (DSG)
- *3 Up to May 2013
- *4 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Reversing light switch, Driver door control unit, Front passenger door control unit, Onboard supply control unit, Driver side turn signal repeater bulb, Front passenger side turn signal repeater bulb, Tank filler flap locking motor

- F4 Reversing light switch
- J386 Driver door control unit
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- L131 Driver side turn signal repeater bulb
- L132 Front passenger side turn signal repeater bulb
- T2fi 2-pin connector
- T2sl 2-pin connector, in driver side exterior mirror housing
- T2sr 2-pin connector
- T2x 2-pin connector
- T16a 16-pin connector
- T16ab 16-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T28 28-pin connector
- T28a 28-pin connector, near lower part of right A-pillar
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Tank filler flap locking motor

107 Earth connection, in external mirror wiring harness

801 Earth connection 2, in external mirror wiring harness

B182 Connection (RL), in interior wiring harness

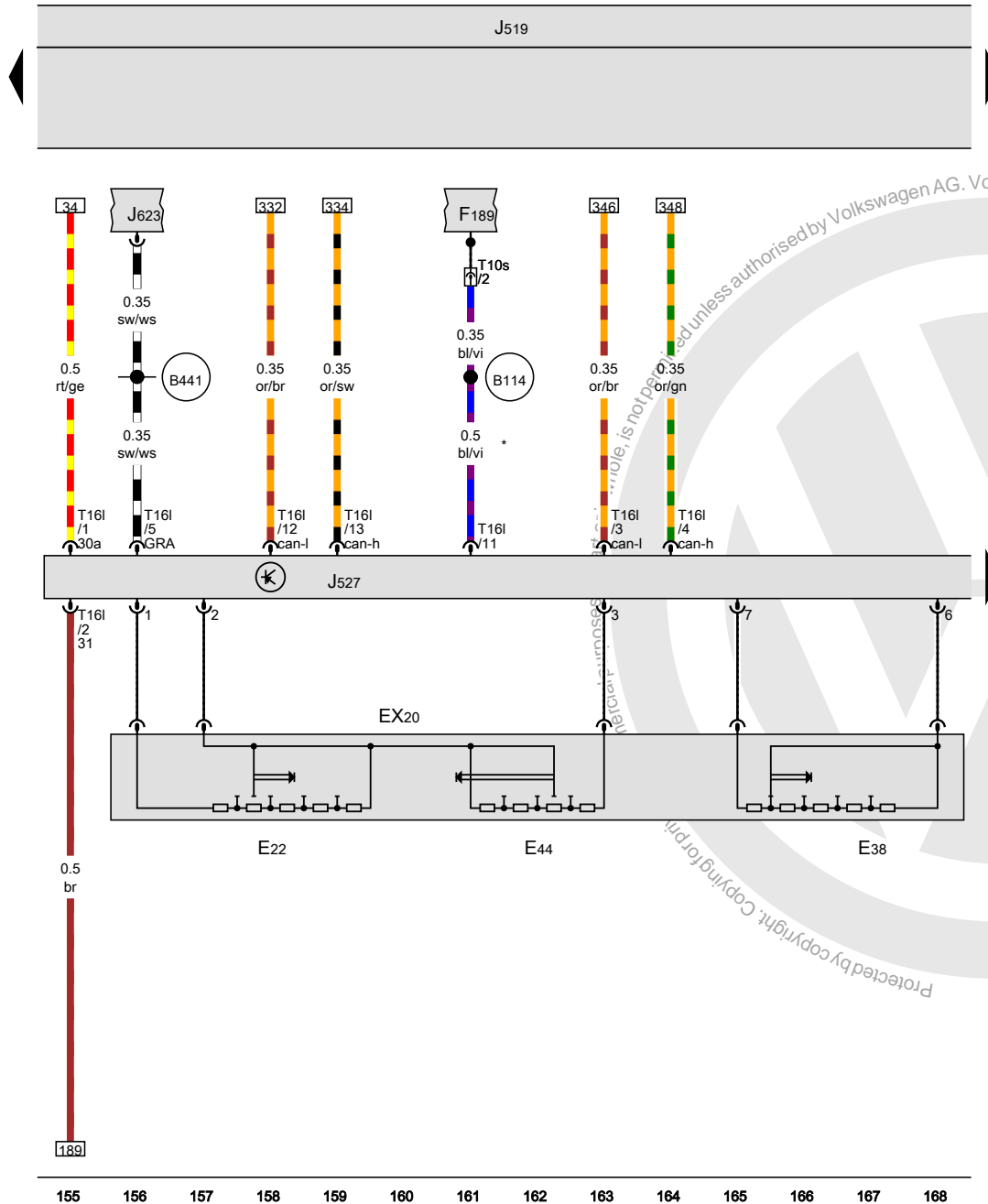
* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Right steering column switch, Intermittent wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Onboard supply control unit, Steering column electronics control unit

- EX20 Right steering column switch
- E22 Intermittent wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- F189 Tiptronic switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- T10s 10-pin connector
- T16l 16-pin connector

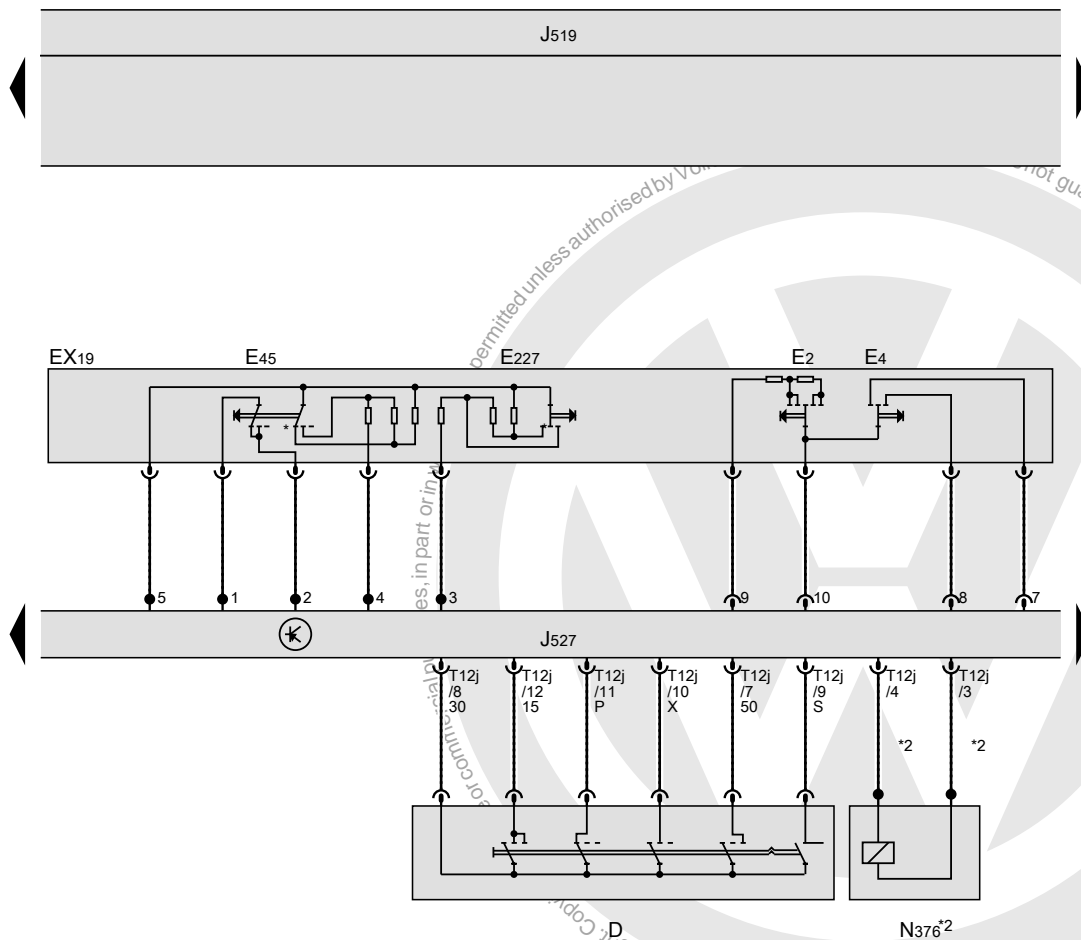
- (B114) Connection (inhibitor switch), in interior wiring harness
- (B441) Connection (CCS), in main wiring harness
- * Cross section depends on equipment



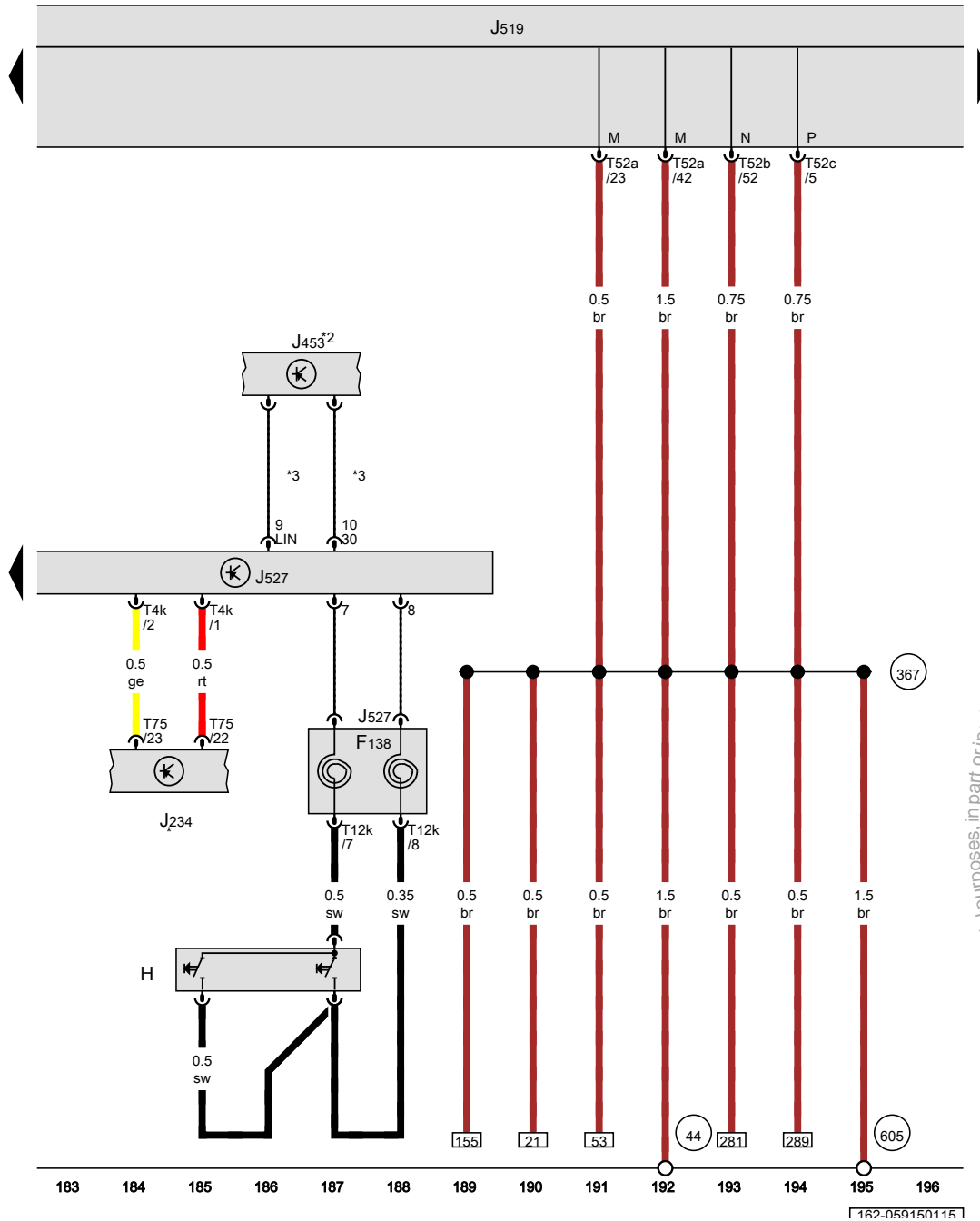
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Ignition/starter switch, Turn signal switch, Headlight dipper and flasher switch, Left steering column switch, Cruise control system switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

- D Ignition/starter switch
- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- EX19 Left steering column switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid
- T12j 12-pin connector
- * Only models with cruise control system (CCS)
- *2 Only models with dual clutch gearbox (DSG)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Steering column electronics control unit

- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T4k 4-pin connector
- T12k 12-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T75 75-pin connector

44 Earth point, lower part of left A-pillar

367 Earth connection 2, in main wiring harness

605 Earth point, on top end of steering column

* see applicable current flow diagram for airbag

*2 see applicable current flow diagram for multifunction steering wheel

*3 Only models with multifunction steering wheel

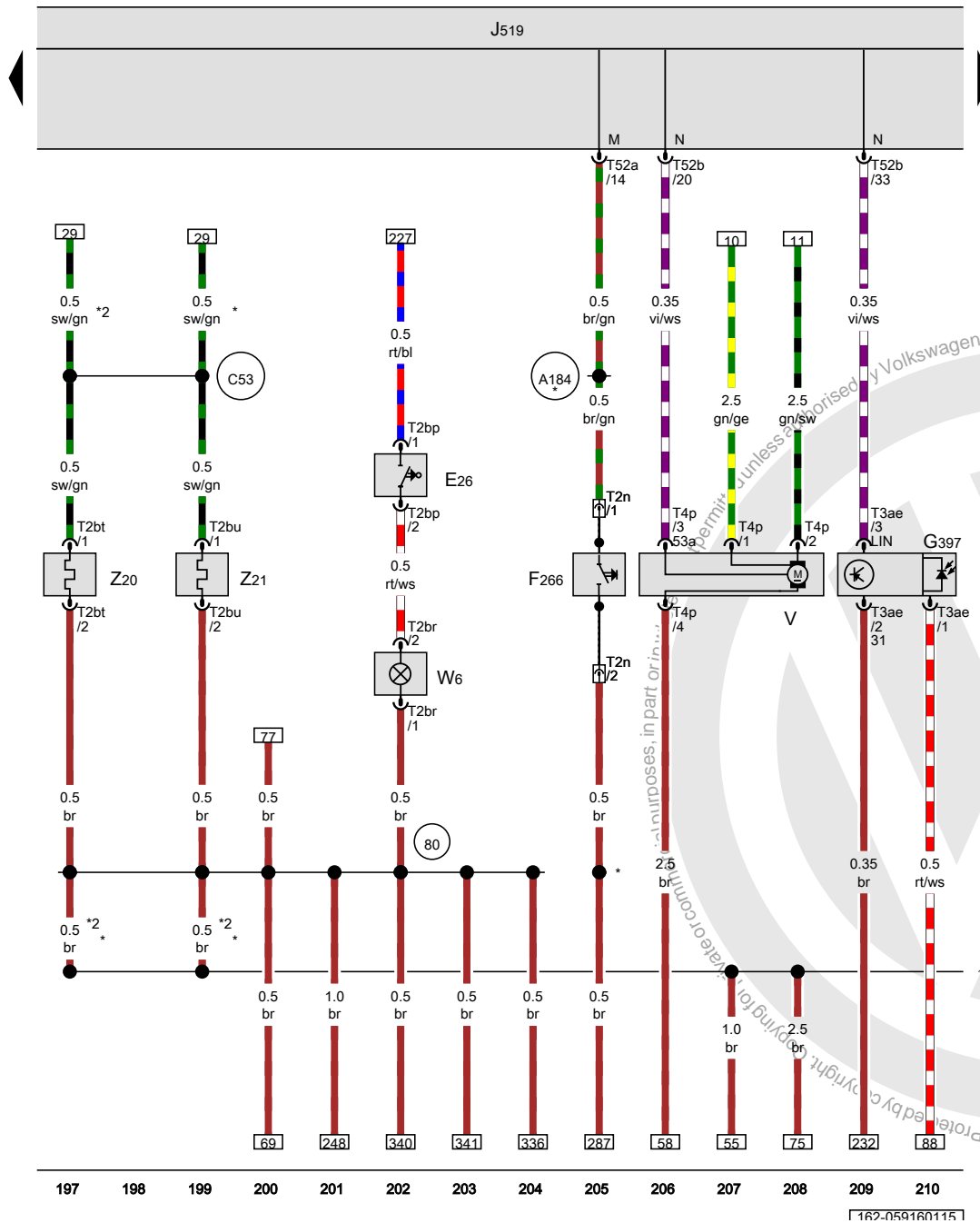
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Glove compartment light switch, Bonnet contact switch, Onboard supply control unit, Windscreen wiper motor, Glove compartment light, Left washer jet heater element, Right washer jet heater element

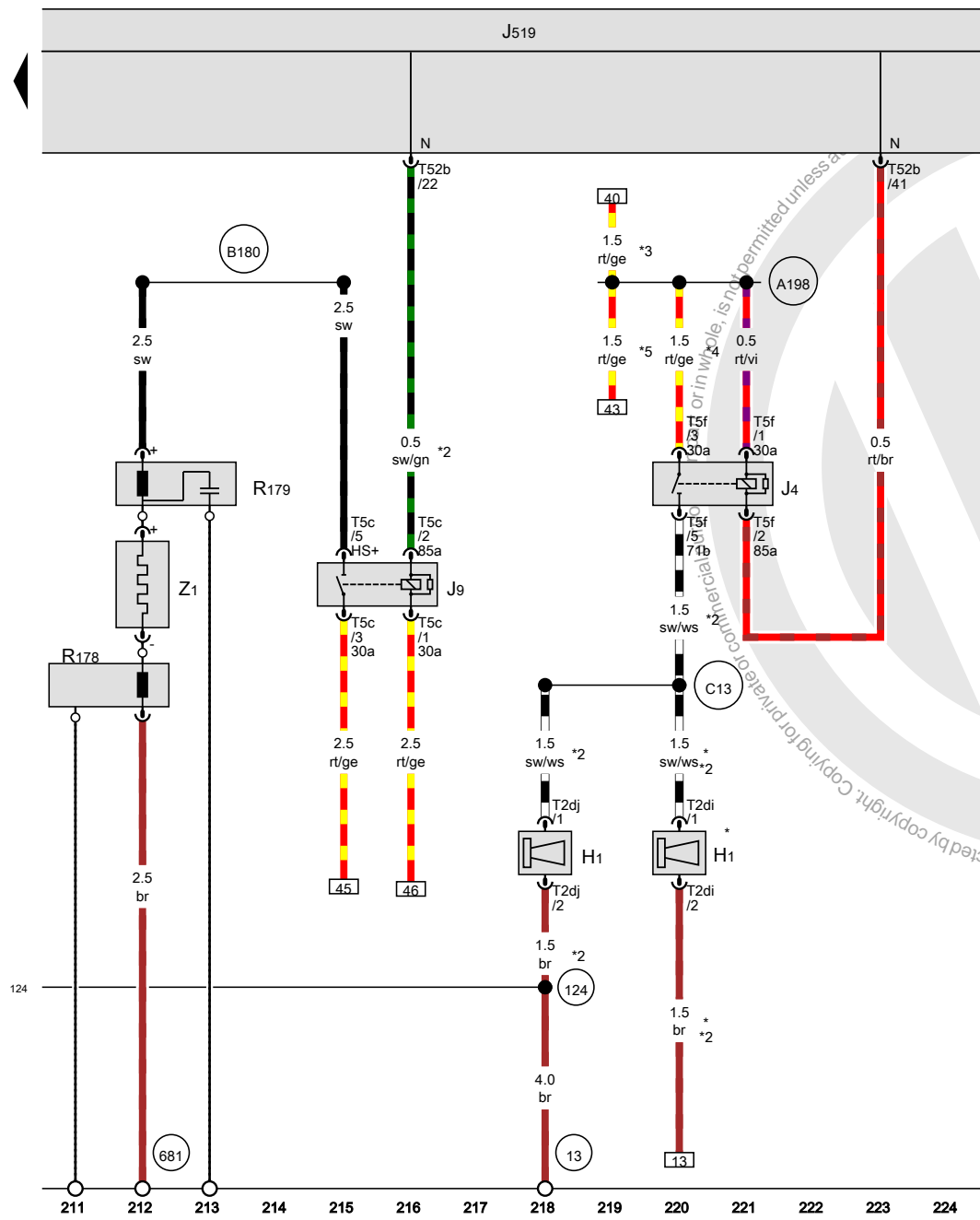
- E26 Glove compartment light switch
- F266 Bonnet contact switch
- G397 Rain and light sensor
- J519 Onboard supply control unit
- T2bp 2-pin connector
- T2br 2-pin connector
- T2bt 2-pin connector
- T2bu 2-pin connector
- T2n 2-pin connector, near headlight
- T3ae 3-pin connector
- T4p 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V Windscreen wiper motor
- W6 Glove compartment light
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 80 Earth connection 1, in dash panel wiring harness
- 124 Earth connection 2, in right side engine compartment wiring harness
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness
- * Up to May 2013
- *2 From June 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



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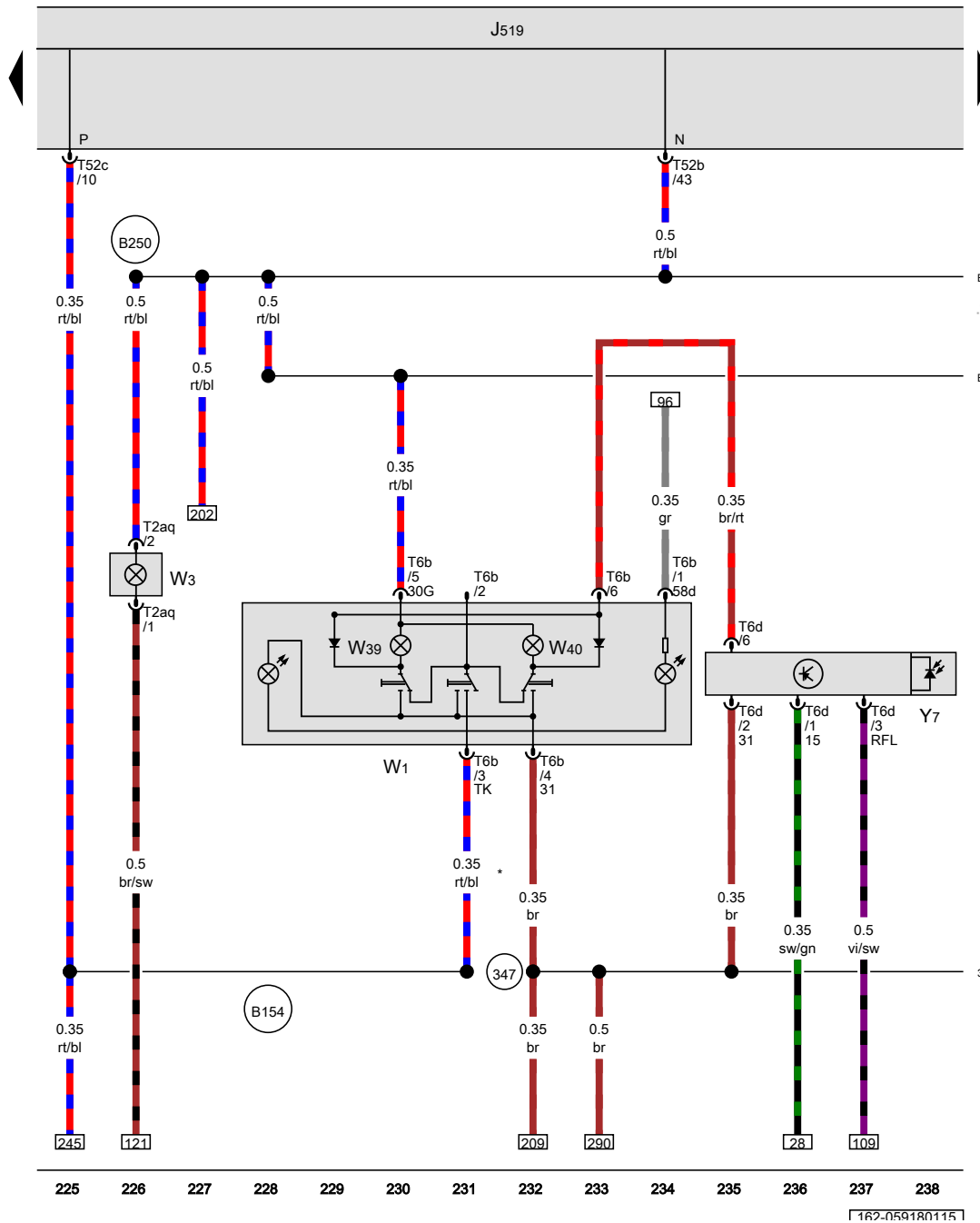
Horn or dual tone horn, Dual tone horn relay, Heated rear window relay, Onboard supply control unit, Frequency modulation (FM) frequency filter in negative wire, Frequency modulation (FM) frequency filter in positive wire, Heated rear window

- H1 Horn or dual tone horn
- J4 Dual tone horn relay
- J9 Heated rear window relay
- J519 Onboard supply control unit
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T2di 2-pin connector
- T2dj 2-pin connector
- T5c 5-pin connector
- T5f 5-pin connector
- T52b 52-pin connector
- Z1 Heated rear window

- 13 Earth point, on right in engine compartment
- 124 Earth connection, in right side engine compartment wiring harness
- 681 Earth point 1, in rear right side panel
- A198 Positive connection 6 (30a) in dash panel wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- C13 Positive connection in dual tone horn wiring harness

- * Only models with dual tone horn
- *2 Cross section depends on equipment
- *3 Up to May 2013
- *4 According to equipment
- *5 From June 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



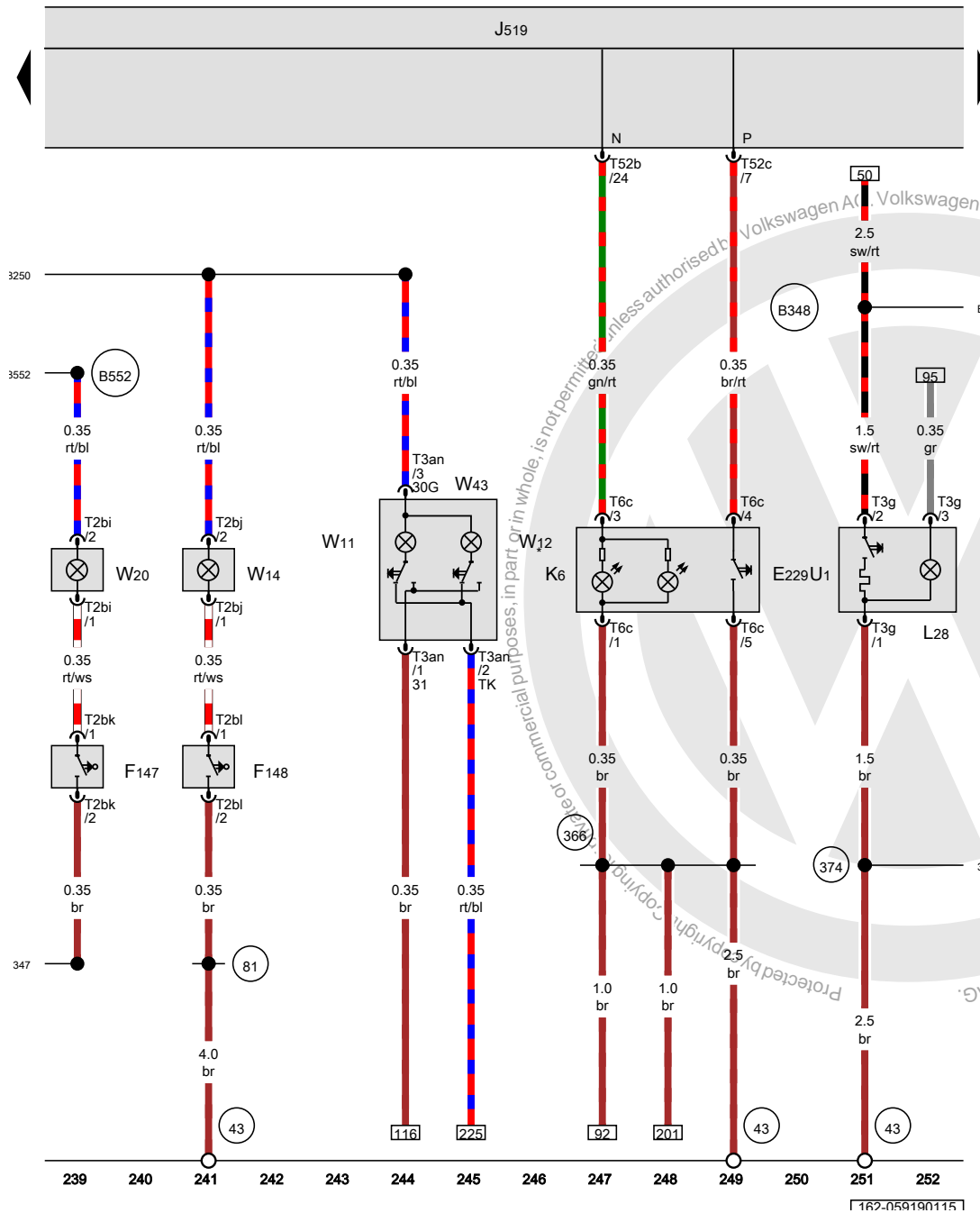
Onboard supply control unit, Front interior light, Luggage compartment light, Right centre reading light, Automatic anti-dazzle interior mirror

- J519 Onboard supply control unit
- T2aq 2-pin connector
- T6b 6-pin connector
- T6d 6-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light
- W3 Luggage compartment light
- W39 Left centre reading light
- W40 Right centre reading light
- Y7 Automatic anti-dazzle interior mirror

- 347 Earth connection, in roof wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- B552 Positive connection 2, in roof wiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

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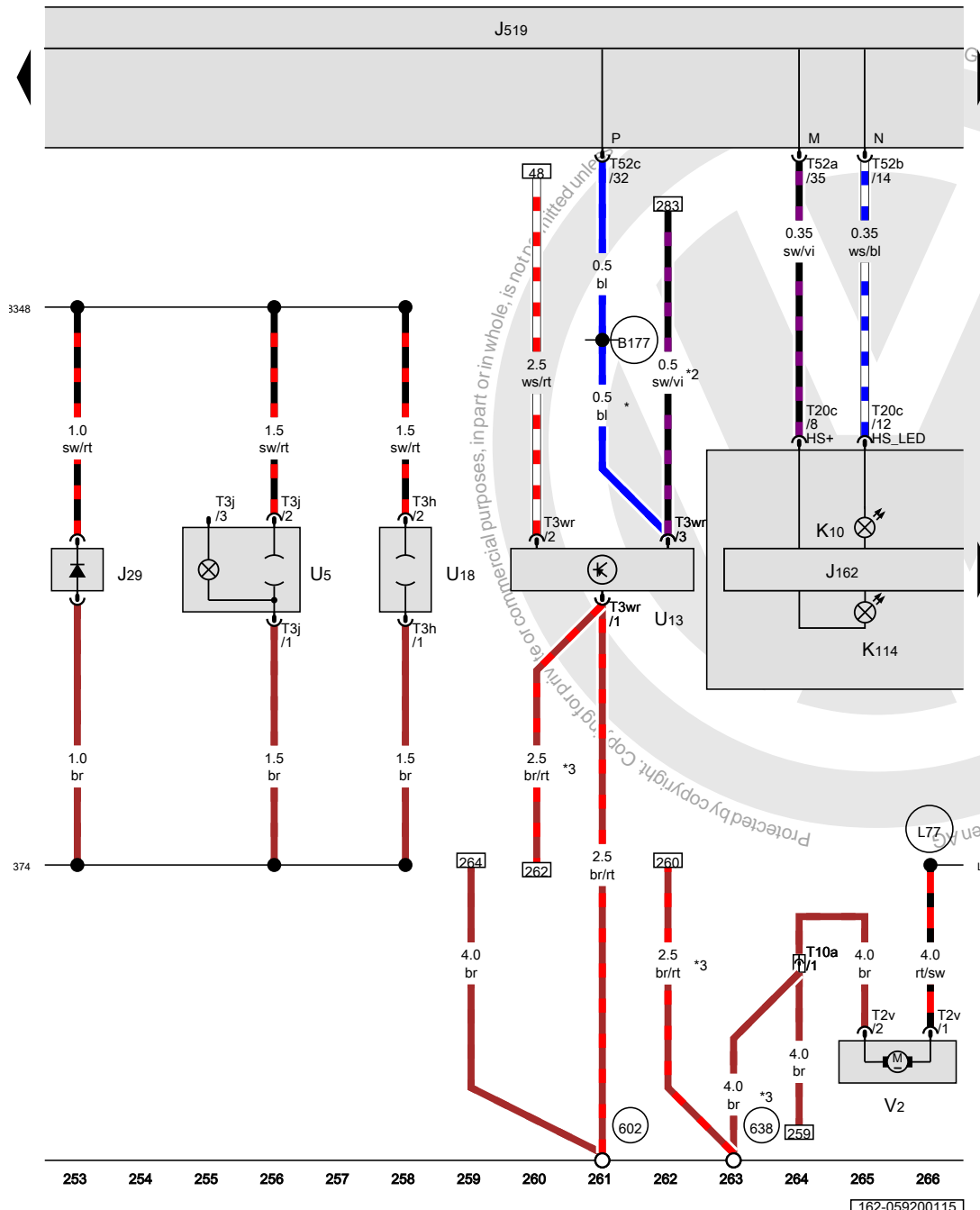
Hazard warning lights button, Onboard supply control unit, Cigarette lighter illumination bulb, Cigarette lighter, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror, Rear interior light

- E229 Hazard warning lights button
- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- L28 Cigarette lighter illumination bulb
- T2bi 2-pin connector
- T2bj 2-pin connector
- T2bk 2-pin connector
- T2bl 2-pin connector
- T3an 3-pin connector
- T3g 3-pin connector
- T6c 6-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- U1 Cigarette lighter
- W11 Rear left reading light
- W12 Rear right reading light
- W14 Front passenger side illuminated vanity mirror
- W20 Driver side illuminated vanity mirror
- W43 Rear interior light

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 347 Earth connection, in roof wiring harness
- 366 Earth connection 1, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- B250 Positive connection, in roof wiring harness
- B348 Connection 1 (75a), in main wiring harness
- B552 Positive connection 2, in roof wiring harness

* According to equipment

- ws = white
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- rs = pink



Blocking diode, Heater control unit, Onboard supply control unit, 12 V socket, DC/AC converter with socket, 12 V - 230 V, Fresh air blower

- J29 Blocking diode, in interior wiring harness
- J162 Heater control unit
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- T2v 2-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T3wr 3-pin connector
- T10a 10-pin connector, on heater and air conditioner unit
- T20c 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- U5 12 V socket
- U13 DC/AC converter with socket, 12 V - 230 V
- U18 12 V socket 2
- V2 Fresh air blower

374 Earth connection 9, in main wiring harness

602 Earth point, in front left footwell

638 Earth point, on right A-pillar

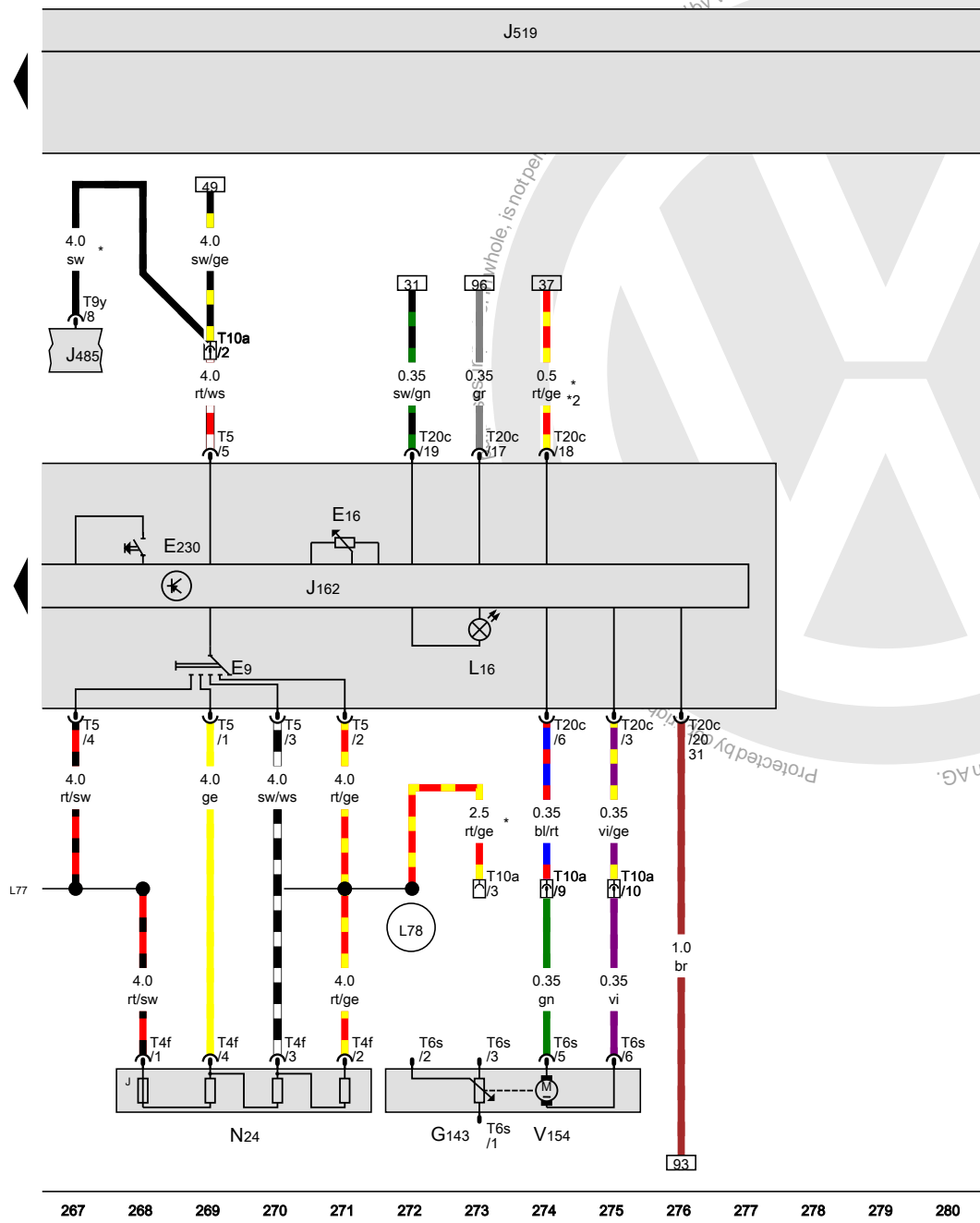
B177 Connection (61), in interior wiring harness

B348 Connection 1 (75a), in main wiring harness

L77 Connection, in fresh air blower wiring harness

- * Only models with no start/stop system
- *2 Only models with start/stop system
- *3 Only right-hand drive models

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Fresh air blower switch, Heater control unit, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air and air recirculation flap control motor

- E9 Fresh air blower switch
- E16 Heater/heat output switch
- E230 Heated rear window button
- G143 Potentiometer for air recirculation flap control motor
- J162 Heater control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- L16 Fresh air regulator illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- T4f 4-pin connector
- T5 5-pin connector
- T6s 6-pin connector
- T9y 9-pin connector
- T10a 10-pin connector, on heater and air conditioner unit
- T20c 20-pin connector
- V154 Fresh air and air recirculation flap control motor

- (L77) Connection, in fresh air blower wiring harness
- (L78) Connection 1, in fresh air blower wiring harness

* Only models with auxiliary coolant heater
 *2 Cross section depends on equipment

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267 268 269 270 271 272 273 274 275 276 277 278 279 280

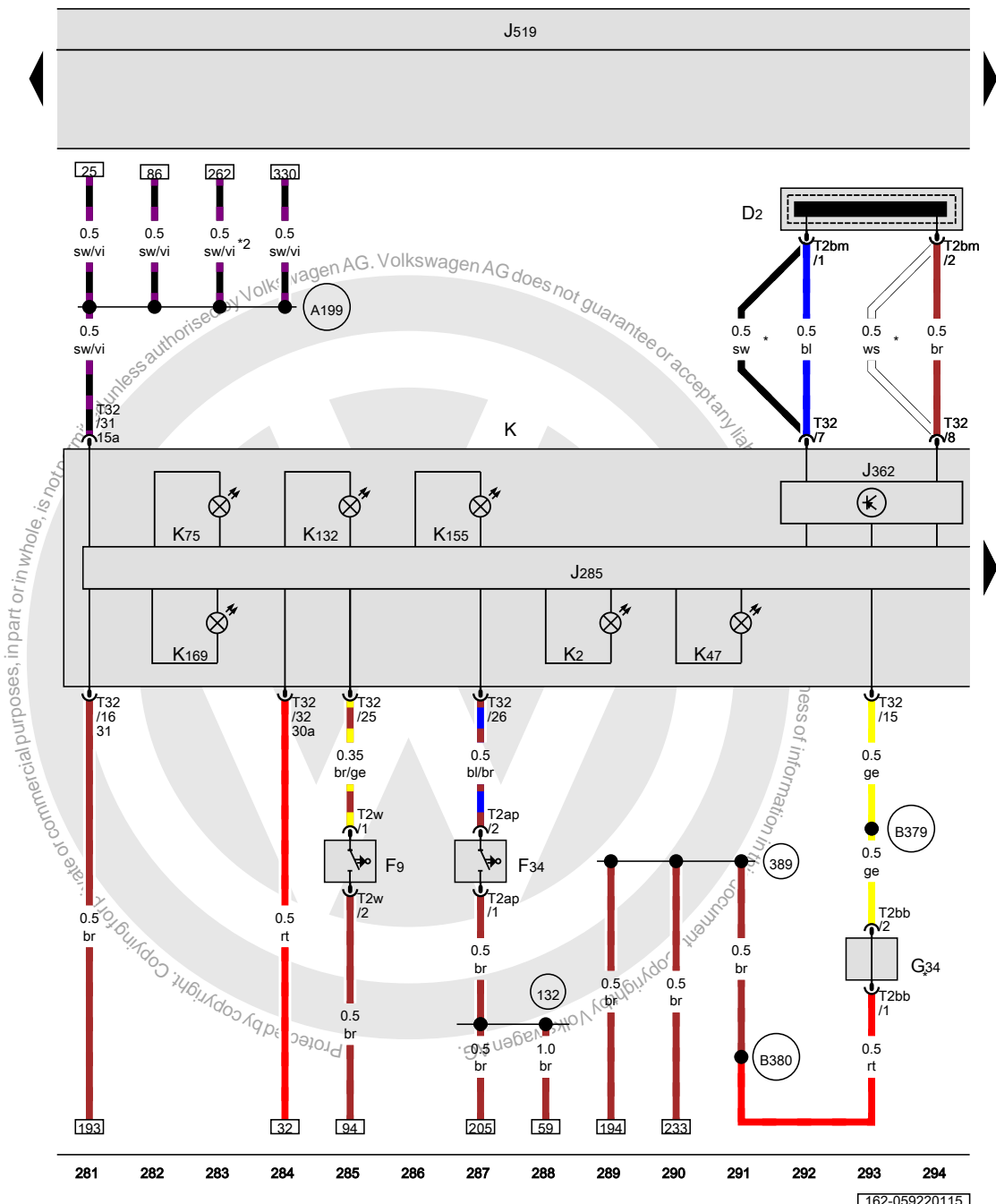
[162-059210115]

Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Front left brake pad wear sender, Immobiliser control unit, Onboard supply control unit, Dash panel insert

- D2 Immobiliser reader coil
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- G34 Front left brake pad wear sender
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K47 ABS warning lamp
- K75 Airbag warning lamp
- K132 Electronic power control fault lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K169 Selector lever lock warning lamp
- T2ap 2-pin connector
- T2bb 2-pin connector
- T2bm 2-pin connector
- T2w 2-pin connector
- T32 32-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 389 Earth connection 24, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B379 Connection 1 (brake pad wear indicator), in main wiring harness
- B380 Connection 2 (brake pad wear indicator), in main wiring harness
- * According to equipment
- *2 Only models with start/stop system

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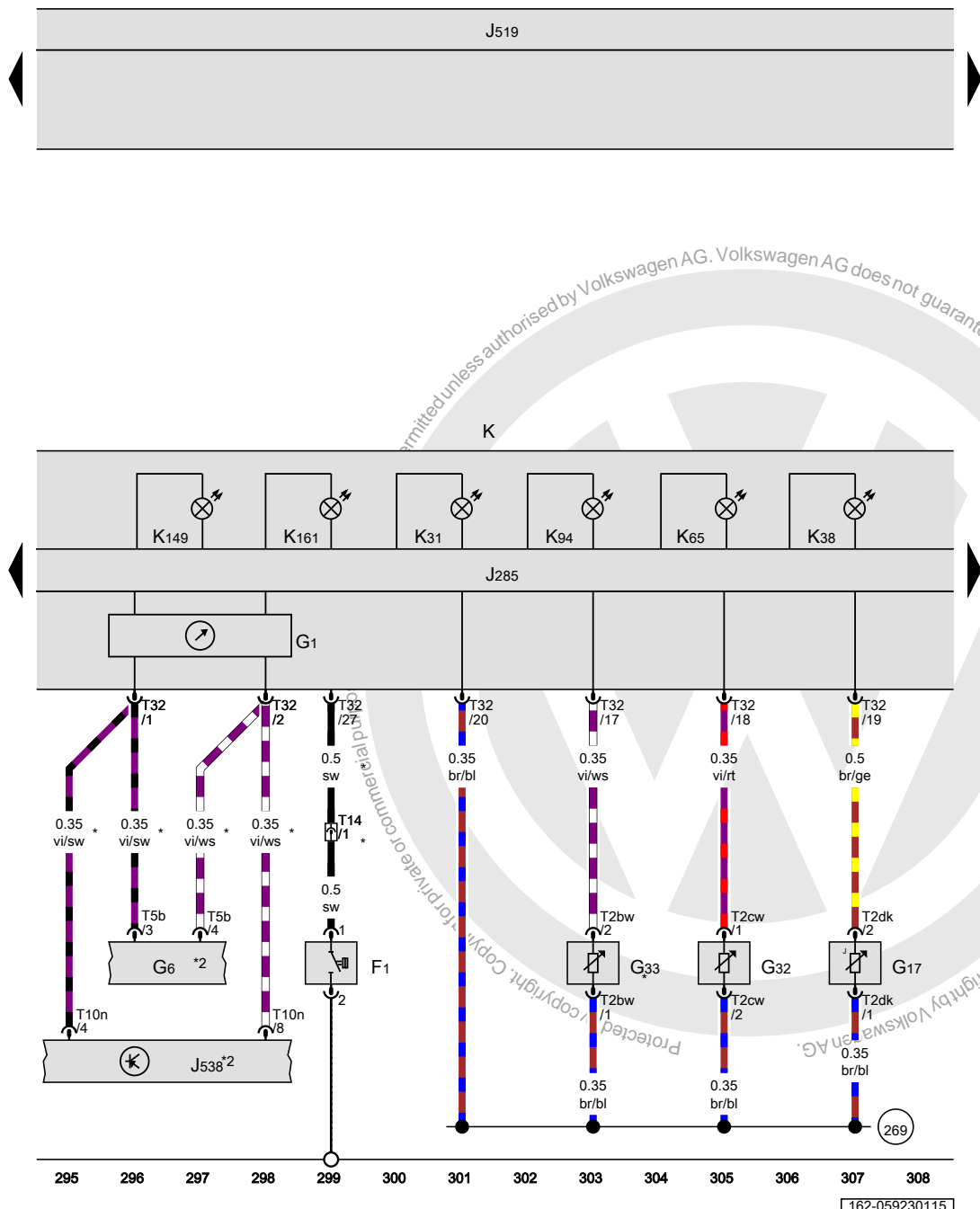
Oil pressure switch, Fuel system pressurisation pump, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit, Fuel pump control unit, Dash panel insert

- F1 Oil pressure switch
- G1 Fuel gauge
- G6 Fuel system pressurisation pump
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- K Dash panel insert
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K149 Engine electronics warning lamp
- K161 Electromechanical power steering warning lamp
- T2bw 2-pin connector
- T2cw 2-pin connector
- T2dk 2-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- T14 14-pin connector
- T32 32-pin connector

269 Earth connection (sender earth) 1, in dash panel wiring harness

* According to equipment
*2 see applicable current flow diagram for engine

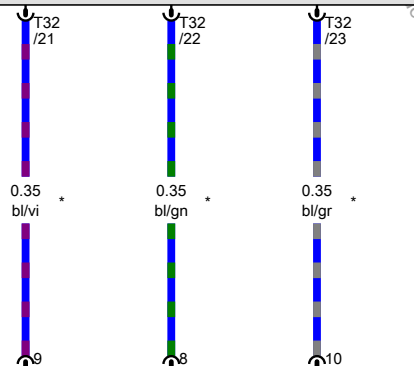
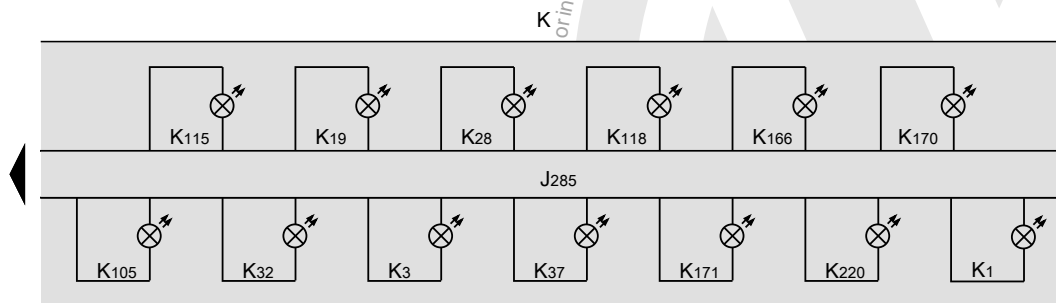
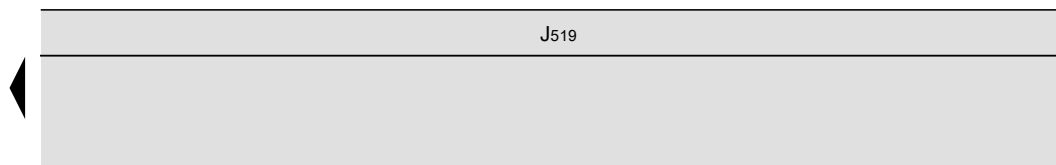
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162-059230115

Multifunction display call-up button, Multifunction display memory switch, Onboard supply control unit, Dash panel insert

- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K1 Main beam warning lamp
- K3 Oil pressure warning lamp
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K32 Brake pad warning lamp
- K37 Washer fluid level warning lamp
- K105 Reserve fuel warning lamp
- K115 Immobiliser warning lamp
- K118 Brake system warning lamp
- K166 Door open warning lamp
- K170 Bulb failure warning lamp
- K171 Bonnet open warning lamp
- K220 Tyre Pressure Loss Indicator warning lamp
- T32 32-pin connector
- * Only models with multifunction display



E86 E109

309 310 311 312 313 314 315 316 317 318 319 320 321 322

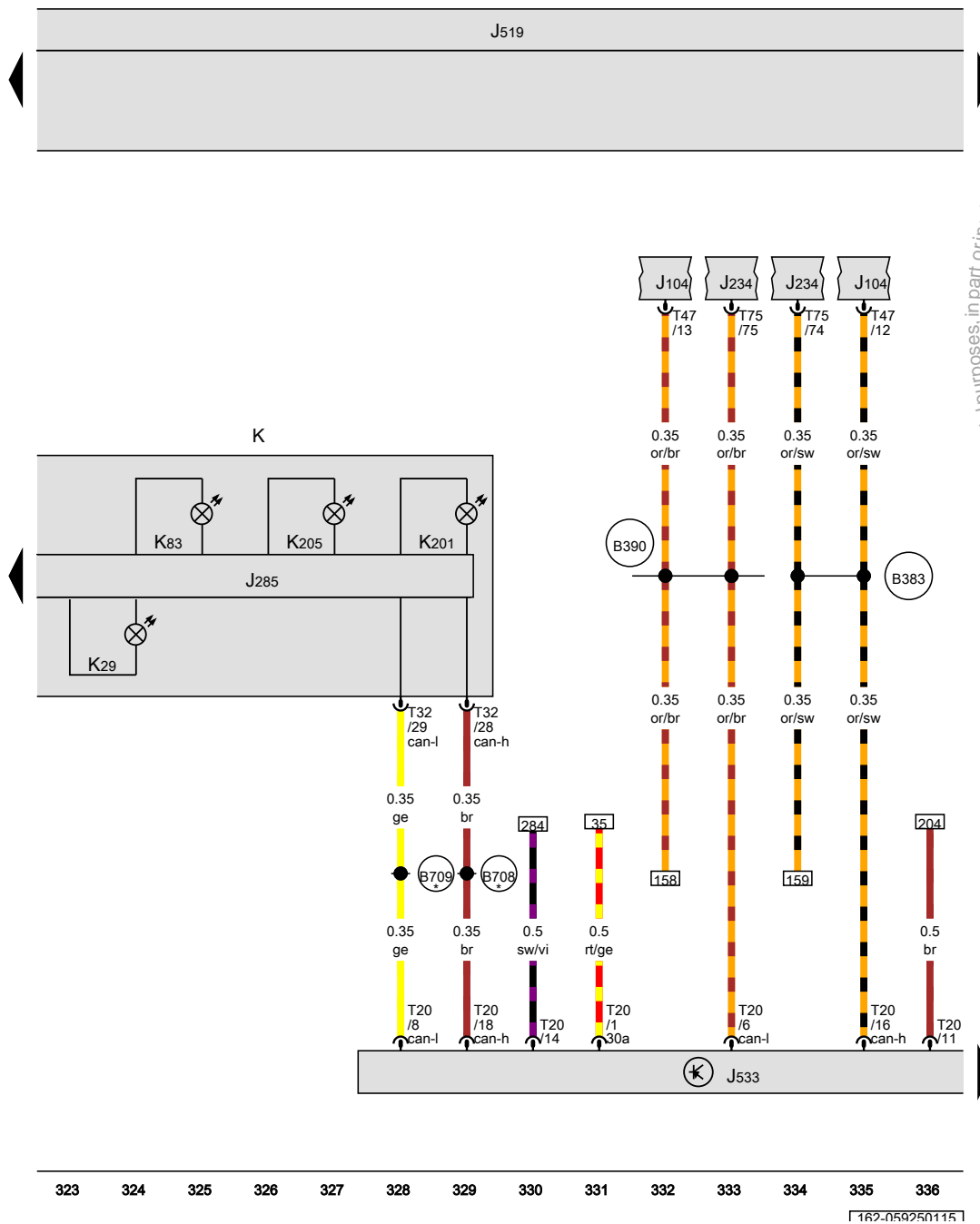
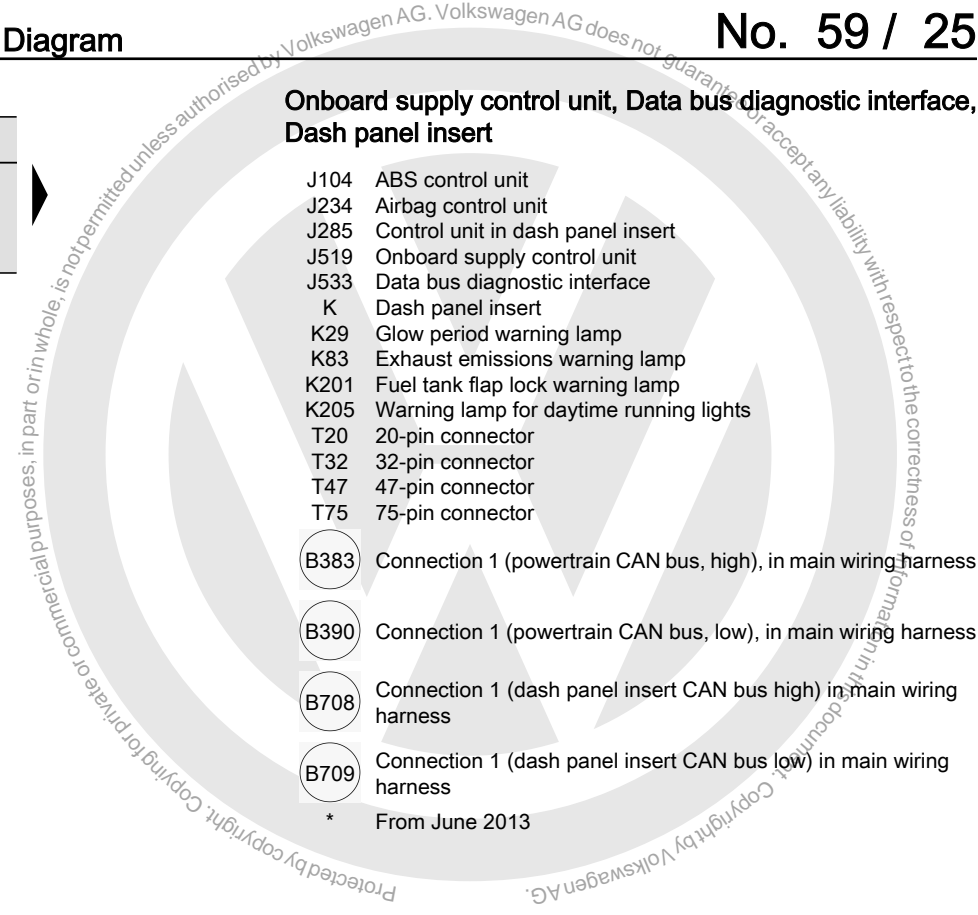
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Onboard supply control unit, Data bus diagnostic interface, Dash panel insert

- J104 ABS control unit
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K29 Glow period warning lamp
- K83 Exhaust emissions warning lamp
- K201 Fuel tank flap lock warning lamp
- K205 Warning lamp for daytime running lights
- T20 20-pin connector
- T32 32-pin connector
- T47 47-pin connector
- T75 75-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * From June 2013

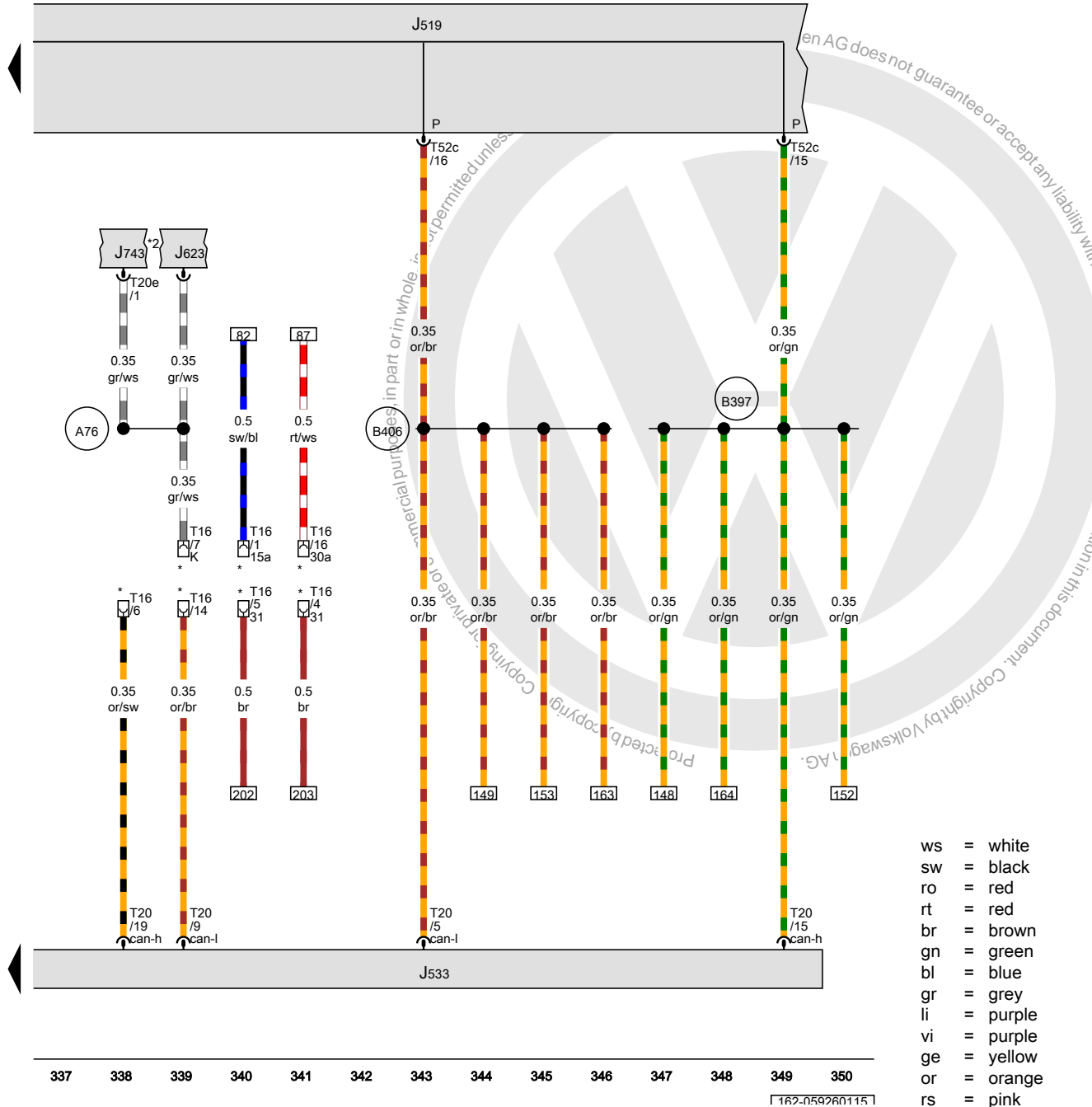


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Onboard supply control unit, Data bus diagnostic interface

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T20 20-pin connector
- T20e 20-pin connector
- T52c 52-pin connector

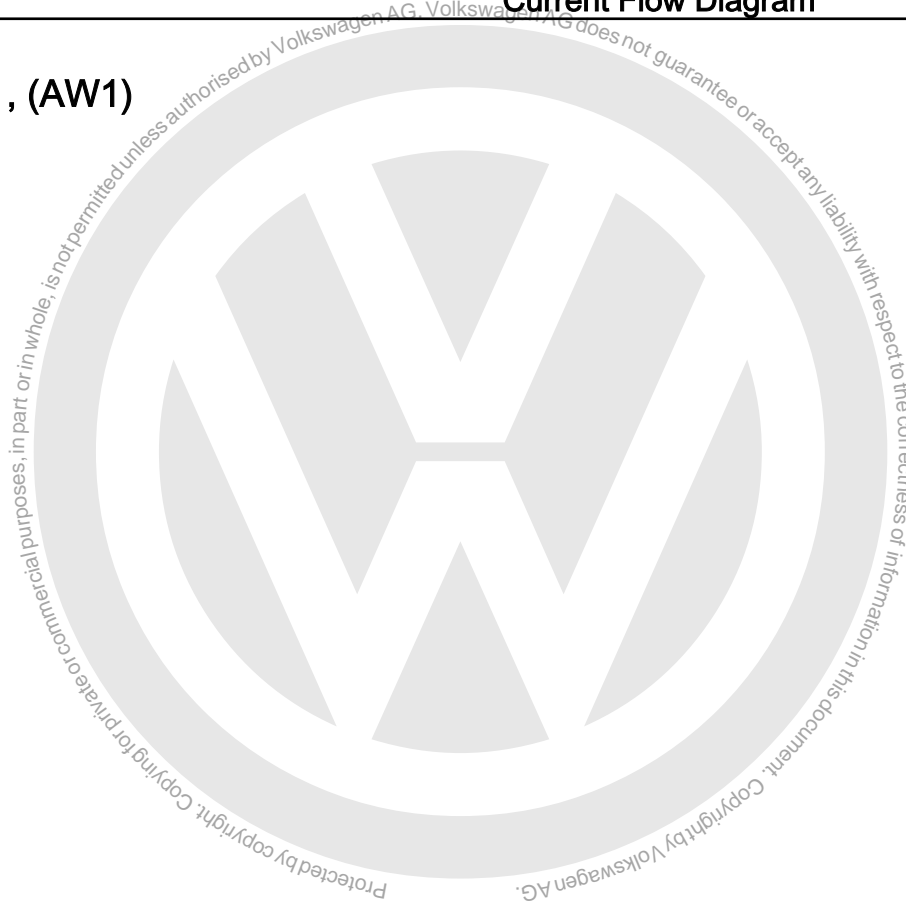
- (A76) Connection (K-diagnosis wire), in dash panel wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 If fitted



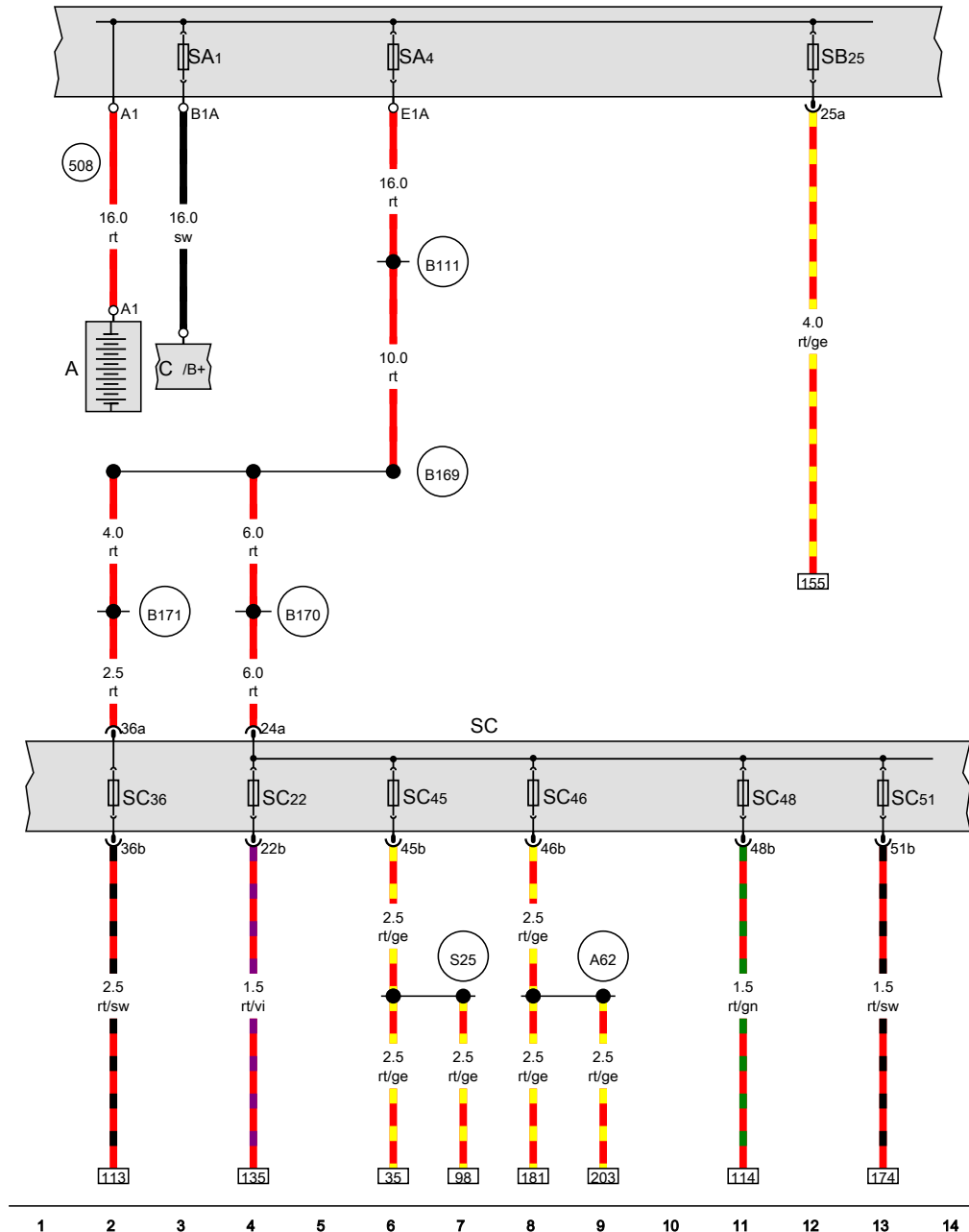
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Convenience system , (AW1)

From October 2010



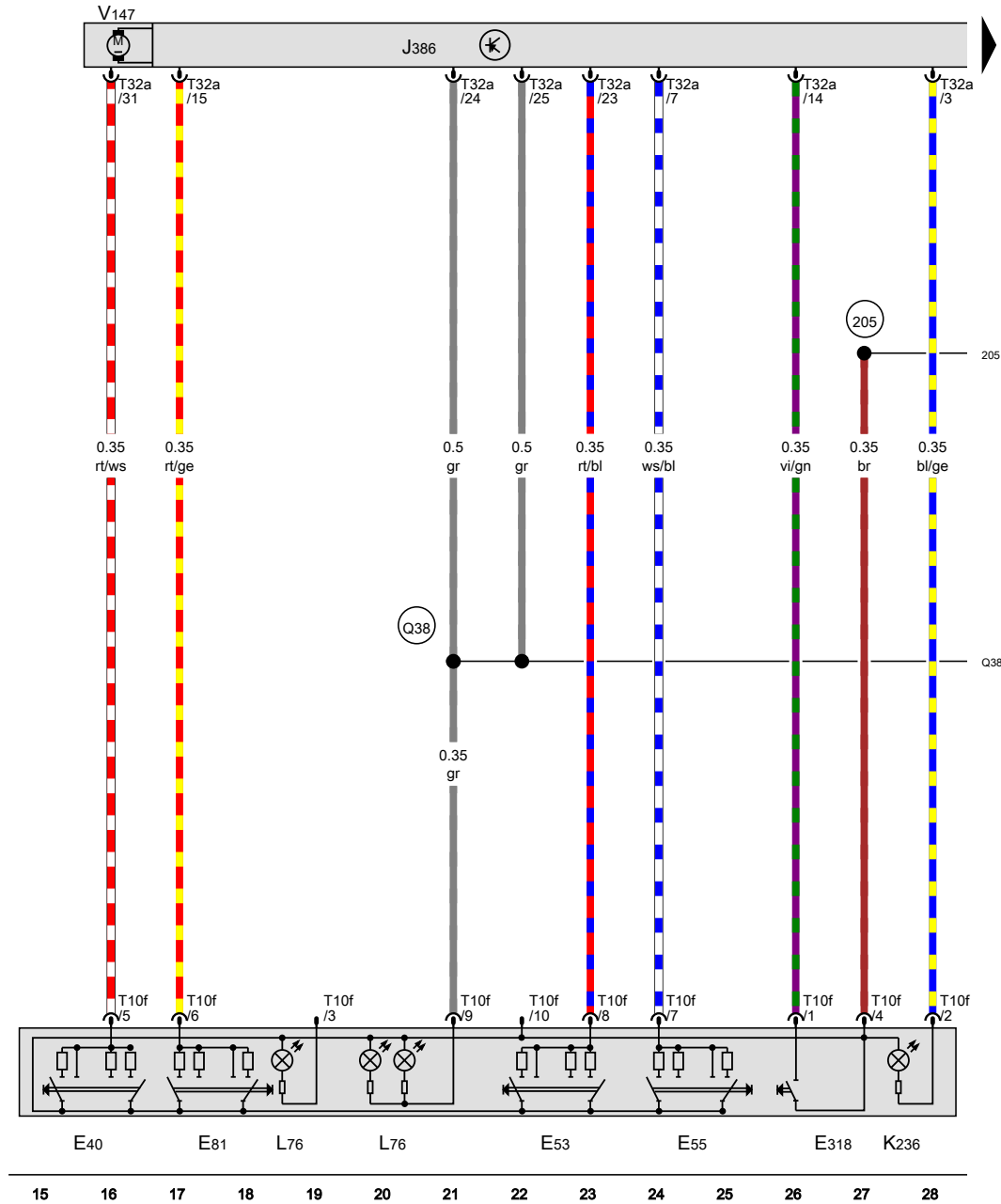
Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 25 on fuse holder B, Fuse holder C



- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- 508 Threaded connection (30) on E-box
- A62 Connection (window regulators), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- S25 Positive connection (30a), in central locking wiring harness

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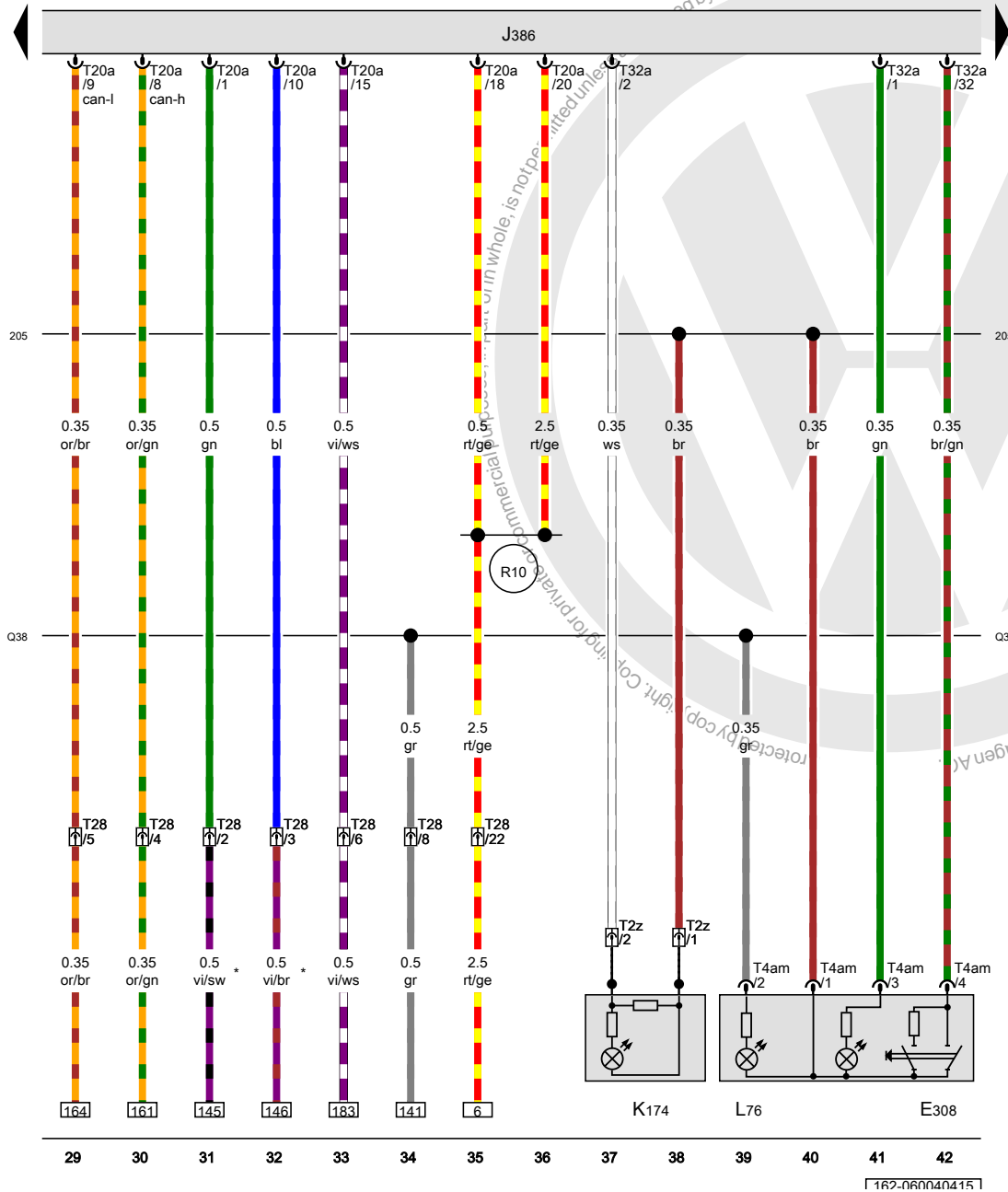


Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit

- E40 Front left window regulator switch
- E53 Rear left window regulator switch, in driver door
- E55 Rear right window regulator switch, in driver door
- E81 Front right window regulator switch in driver door
- E318 Childproof lock button
- J386 Driver door control unit
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T10f 10-pin connector
- T32a 32-pin connector
- V147 Driver side window regulator motor
- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness

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- gr = grey
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- ge = yellow
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162-060030415

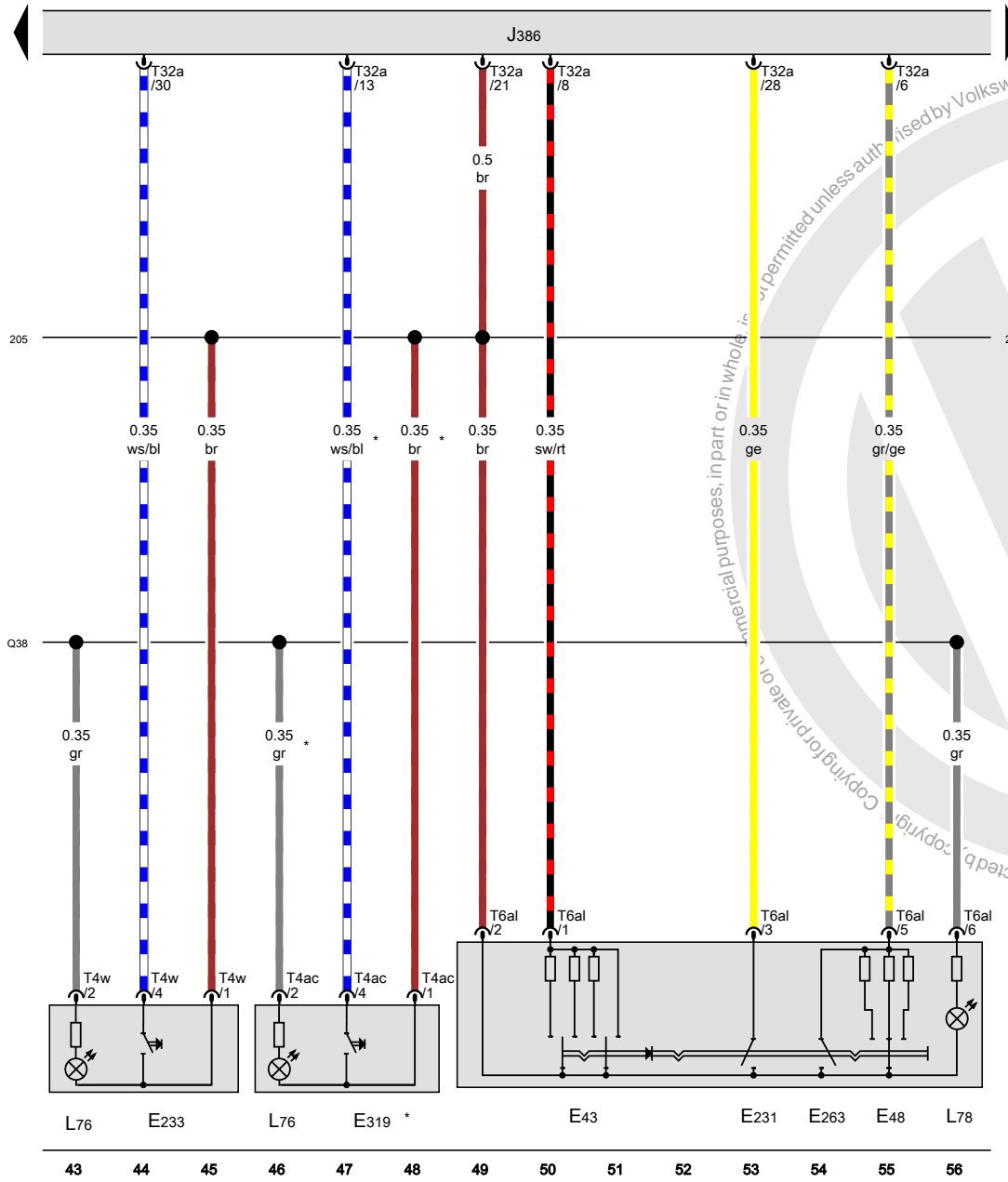


Driver side interior locking button for central locking system, Driver door control unit, Driver side interior locking warning lamp

- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2z 2-pin connector
- T4am 4-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- R10 Positive connection 1 (30), in driver door wiring harness
- * Gradually discontinued

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- or = orange
- rs = pink



Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Rear lid remote release button, Fold-in mirror switch, Fuel tank flap release button, Driver door control unit, Mirror adjustment switch illumination bulb

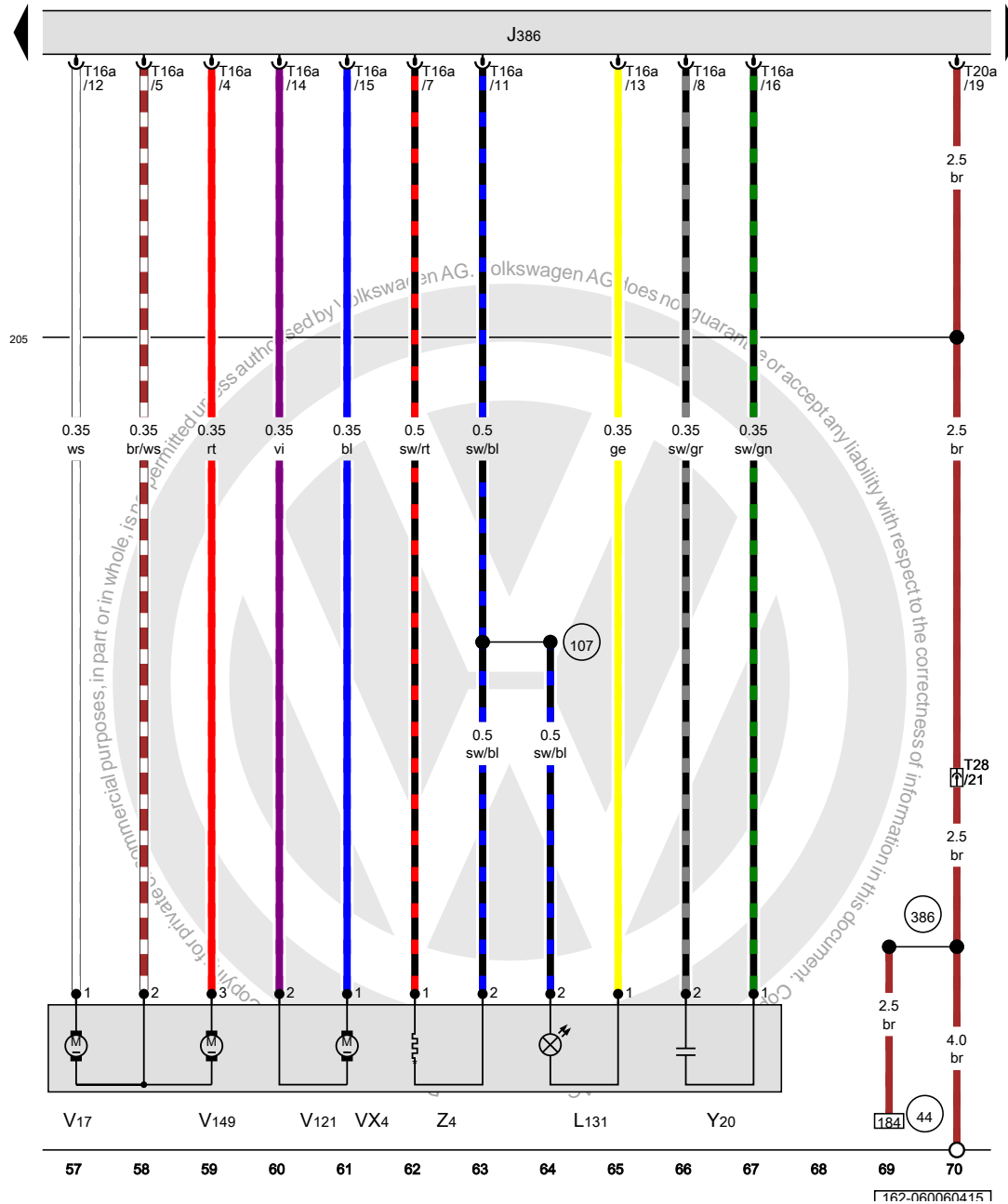
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E233 Rear lid remote release button
- E263 Fold-in mirror switch
- E319 Fuel tank flap release button
- J386 Driver door control unit
- L76 Button illumination bulb
- L78 Mirror adjustment switch illumination bulb
- T4ac 4-pin connector
- T4w 4-pin connector
- T6al 6-pin connector
- T32a 32-pin connector

205 Earth connection, in driver door wiring harness

Q38 Positive connection 1 (58b), in window regulator wiring harness

* Only for American markets

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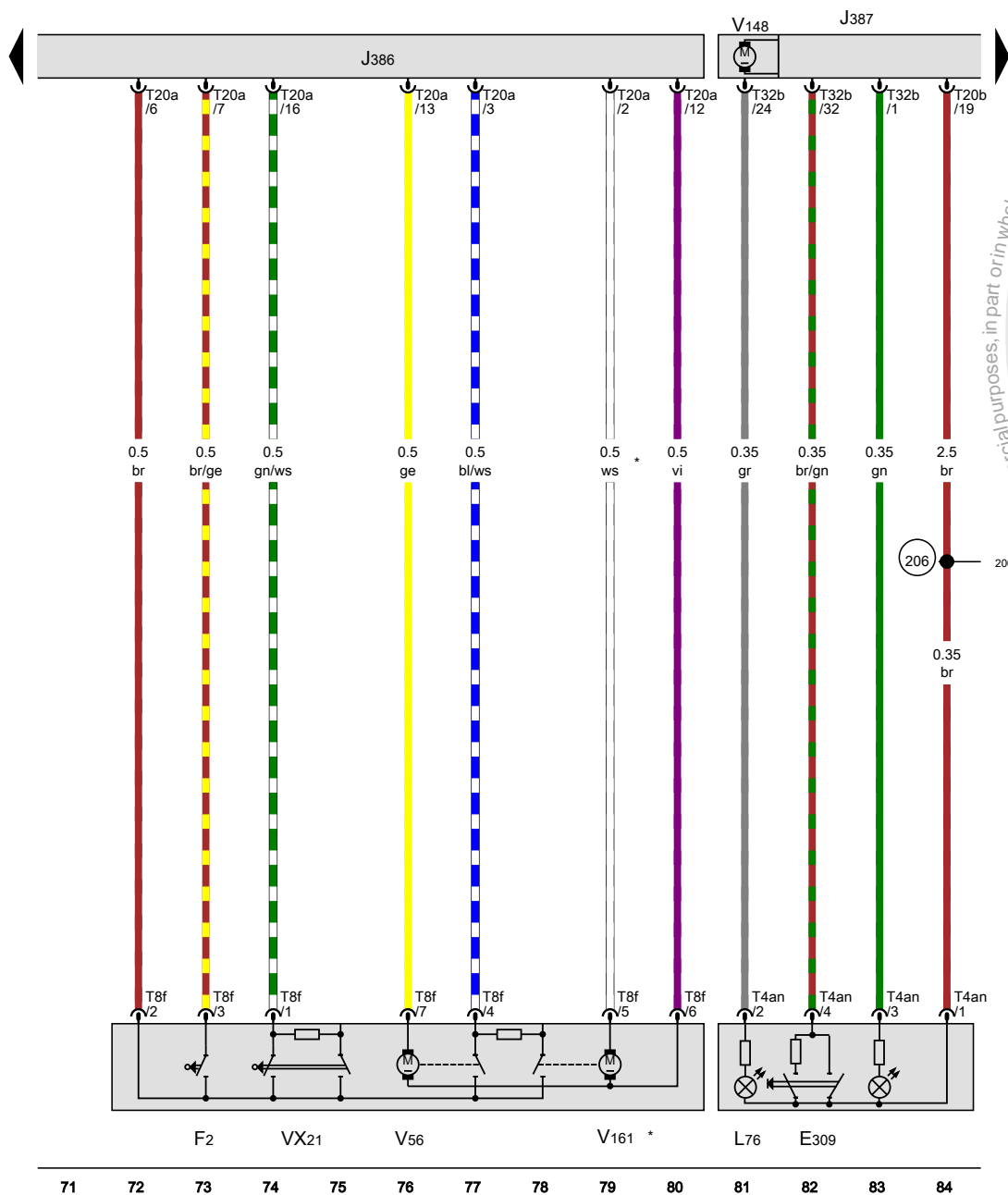


Driver door control unit, Driver side exterior mirror, Driver side mirror adjustment motor 2, Driver side fold-in mirror motor, Driver side mirror adjustment motor, Driver side automatic anti-dazzle exterior mirror

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T16a 16-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Y20 Driver side automatic anti-dazzle exterior mirror
- Z4 Heated exterior mirror on driver side

- 44 Earth point, lower part of left A-pillar
- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- * Pre-wired component

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Front passenger side interior locking button for central locking system, Driver door contact switch, Driver door control unit, Front passenger door control unit, Driver door lock unit, Driver door central locking motor, Front passenger side window regulator motor

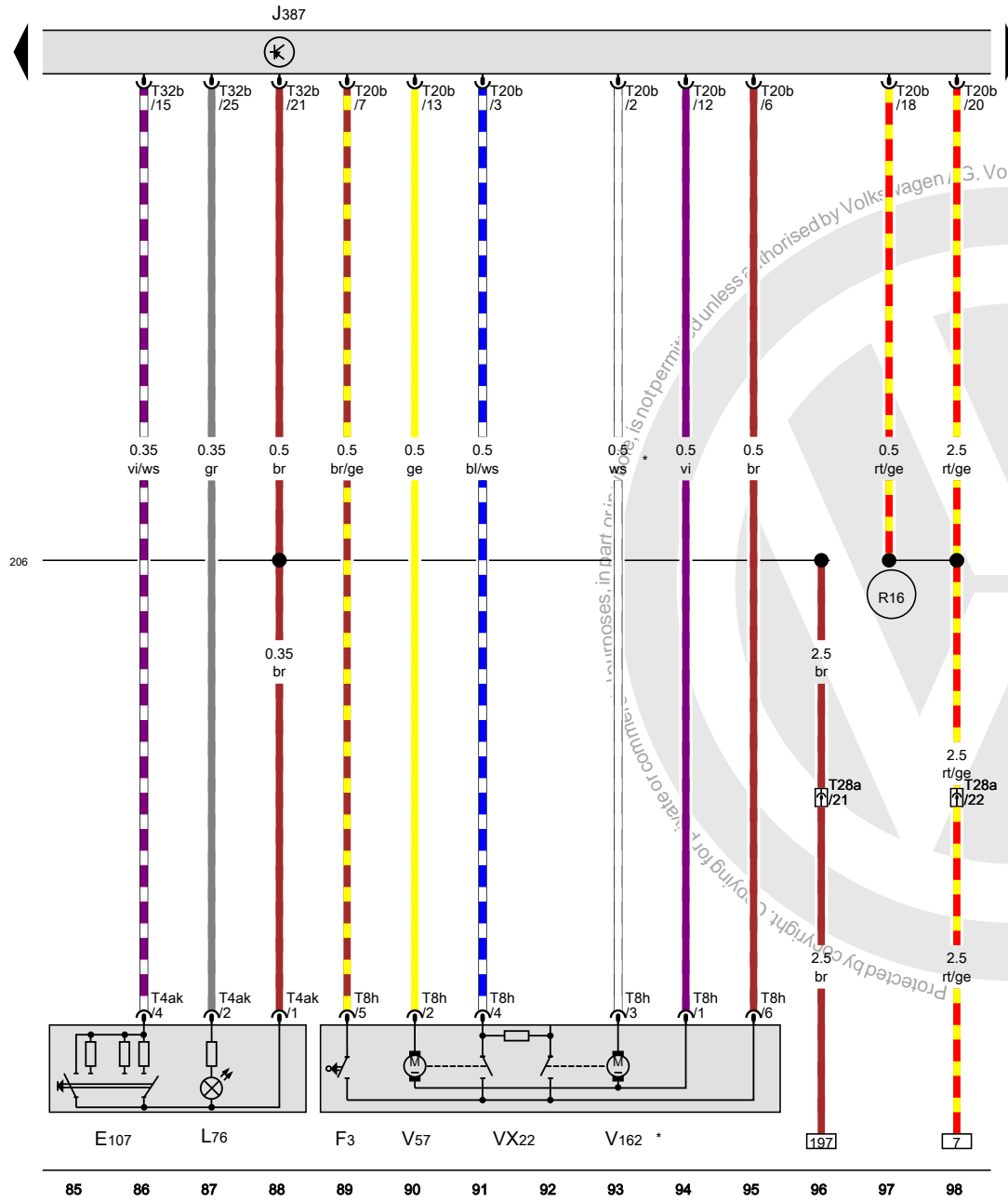
- E309 Front passenger side interior locking button for central locking system
- F2 Driver door contact switch
- J386 Driver door control unit
- J387 Front passenger door control unit
- L76 Button illumination bulb
- T4an 4-pin connector
- T8f 8-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T32b 32-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V148 Front passenger side window regulator motor
- V161 Driver door central locking SAFELOCK function motor

206 Earth connection, in front passenger door wiring harness

* Not for American markets

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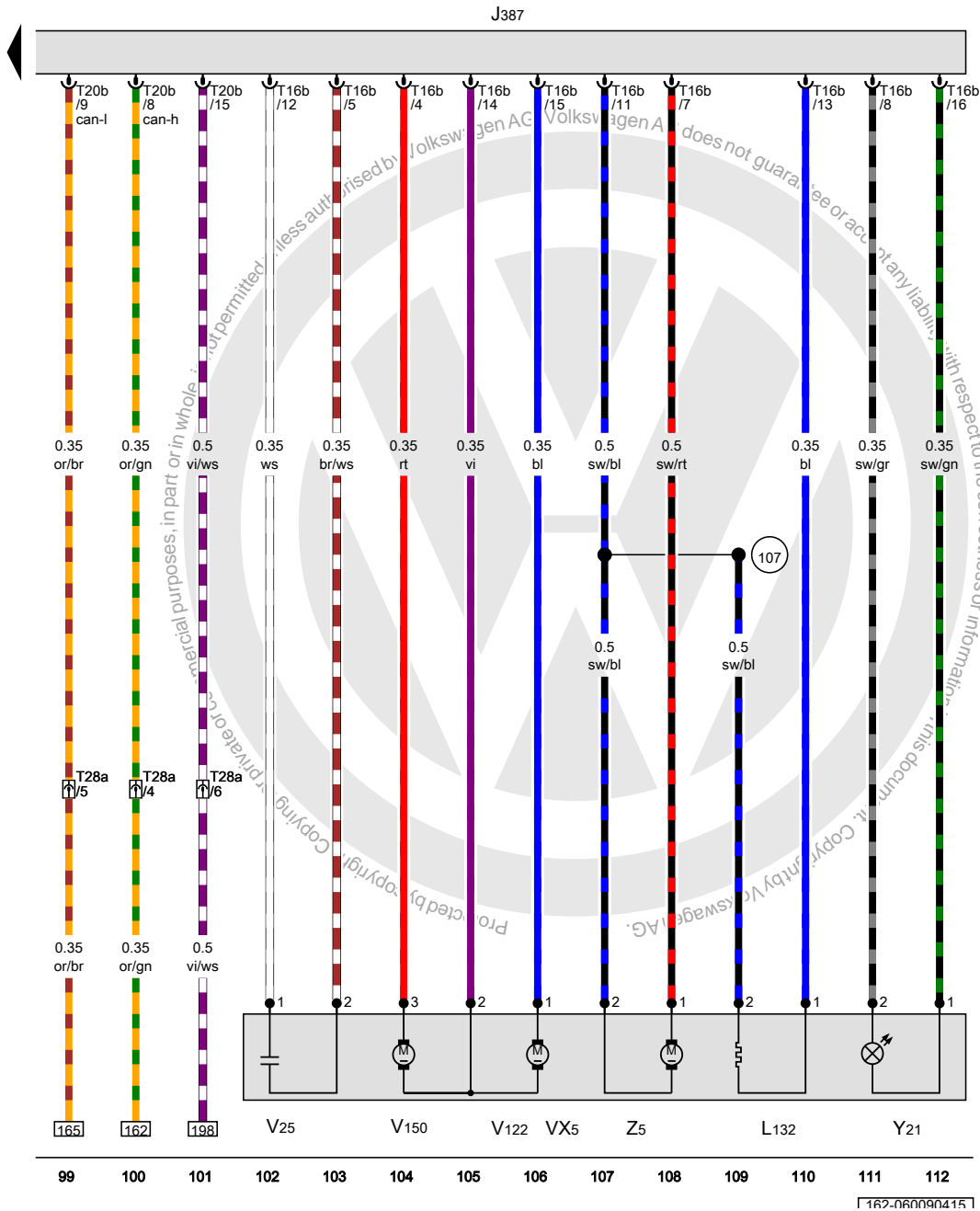
Window regulator switch in front passenger door, Front passenger door contact switch, Front passenger door control unit, Front passenger door lock unit, Front passenger seat central locking motor

- E107 Window regulator switch in front passenger door
- F3 Front passenger door contact switch
- J387 Front passenger door control unit
- L76 Button illumination bulb
- T4ak 4-pin connector
- T8h 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32b 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

- 206 Earth connection, in front passenger door wiring harness
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * Not for American markets

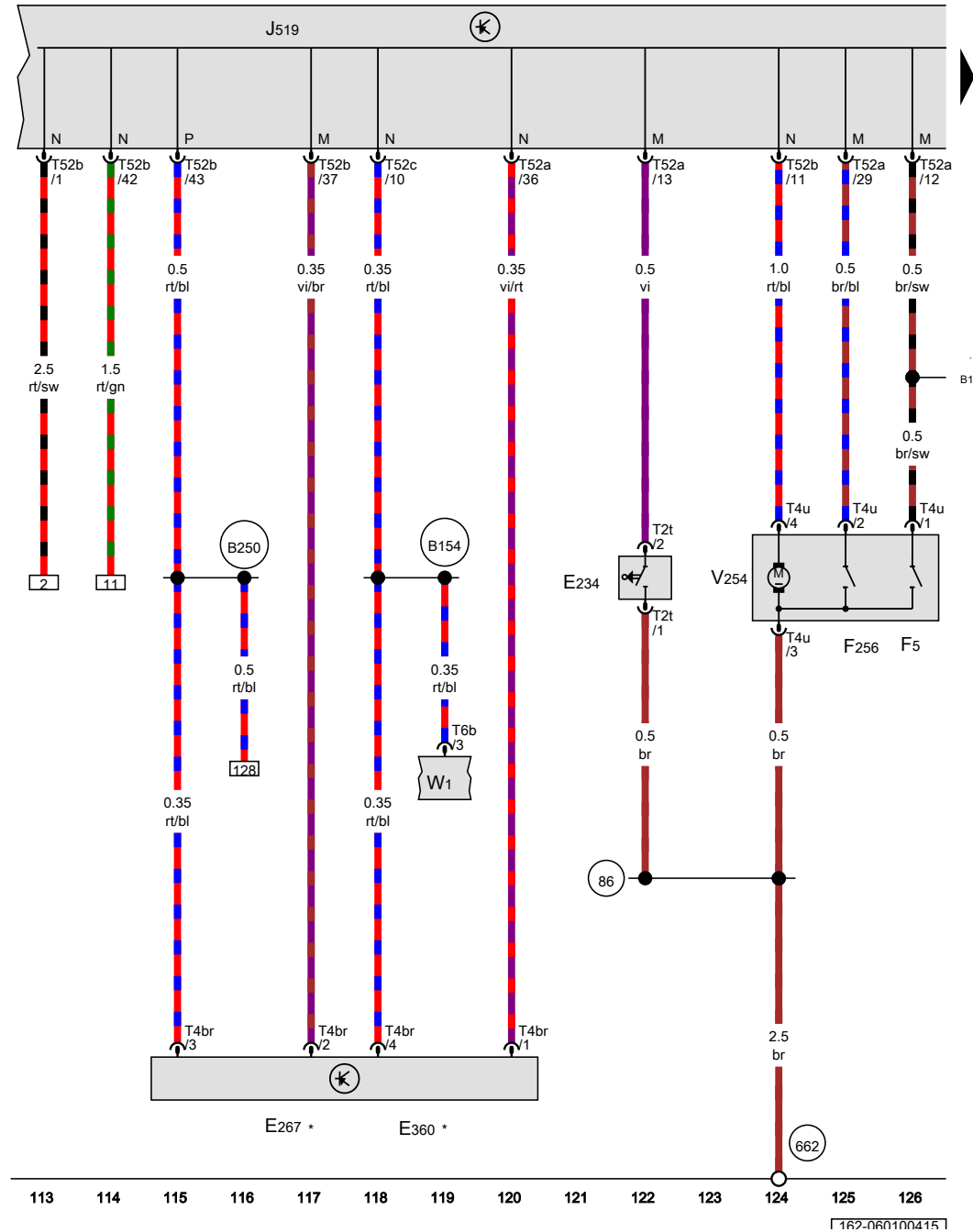
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162-060080415



Front passenger door control unit, Front passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor, Front passenger side automatic anti-dazzle exterior mirror

- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T16b 16-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Y21 Front passenger side automatic anti-dazzle exterior mirror
- Z5 Heated exterior mirror on front passenger side
- 107 Earth connection, in external mirror wiring harness

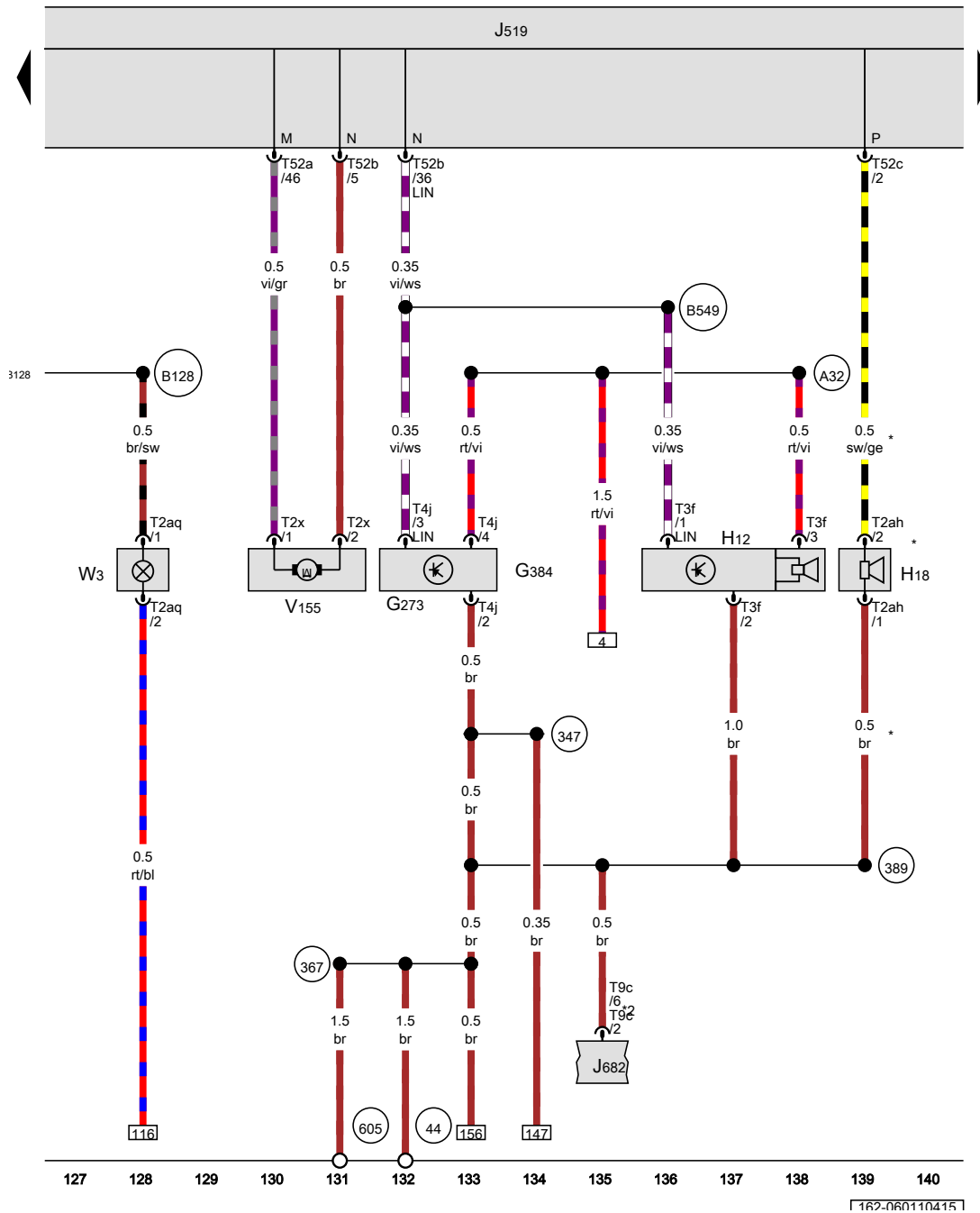


Rear lid handle release button, Interior monitoring deactivation switch, Deactivation button for vehicle inclination sender, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Rear lid electric opener motor, Front interior light

- E234 Rear lid handle release button
 - E267 Interior monitoring deactivation switch
 - E360 Deactivation button for vehicle inclination sender
 - F5 Luggage compartment light switch
 - F256 Rear lid lock unit
 - J519 Onboard supply control unit
 - T2t 2-pin connector
 - T4br 4-pin connector
 - T4u 4-pin connector
 - T6b 6-pin connector
 - T52a 52-pin connector
 - T52b 52-pin connector
 - T52c 52-pin connector
 - V254 Rear lid electric opener motor
 - W1 Front interior light
- 86 Earth connection 1, in rear wiring harness
 - 662 Earth point, rear left side panel
 - B128 Connection (luggage compartment light), in interior wiring harness
 - B154 Connection 1 (DCt), in interior wiring harness
 - B250 Positive connection, in roof wiring harness
- * According to equipment

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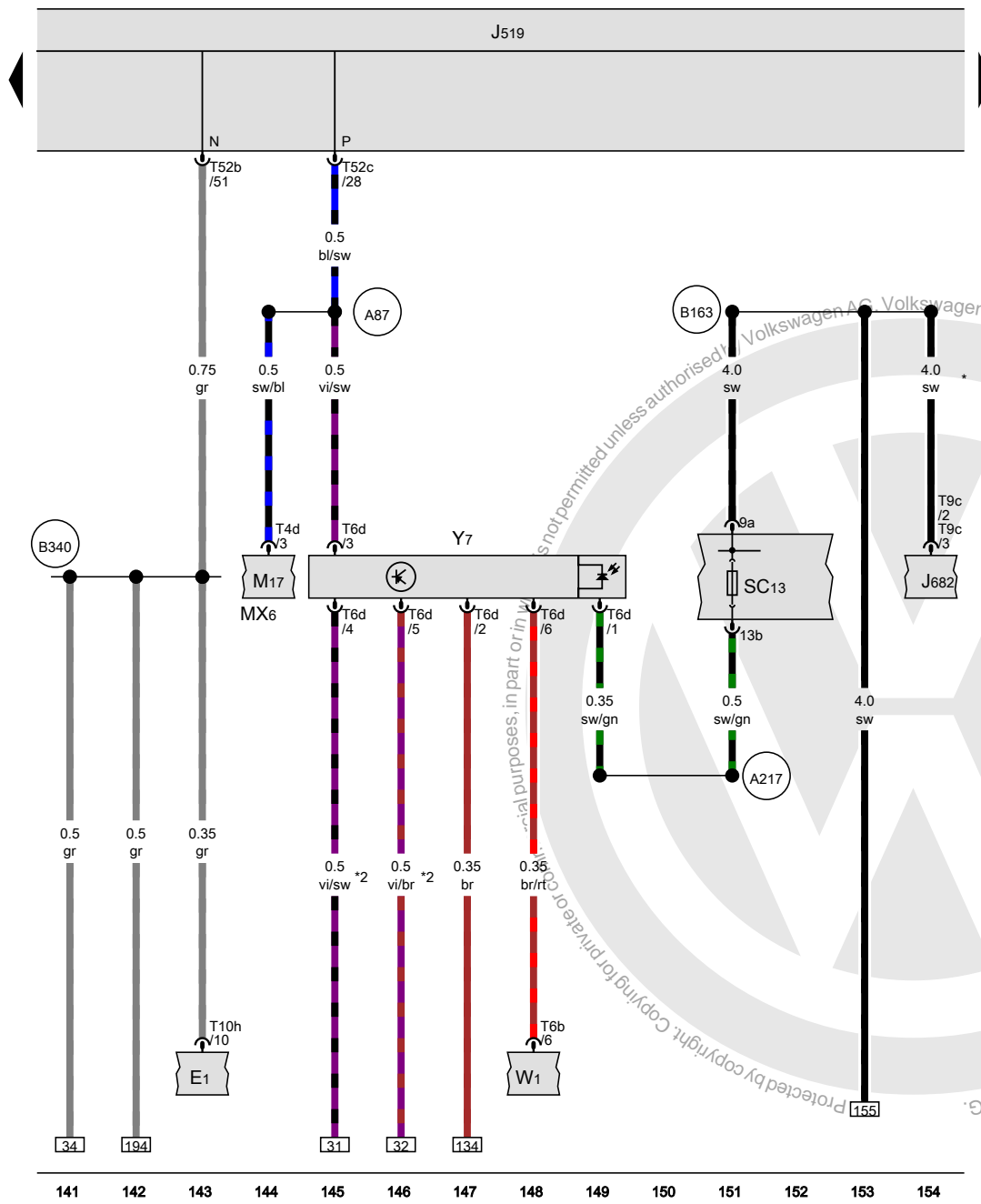
Interior monitoring sensor, Vehicle inclination sender, Alarm horn, Onboard supply control unit, Tank filler flap locking motor, Luggage compartment light

- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- H12 Alarm horn
- H18 Alarm system horn
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- T2ah 2-pin connector
- T2aq 2-pin connector
- T2x 2-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T9c 9-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V155 Tank filler flap locking motor
- W3 Luggage compartment light

- 44 Earth point, lower part of left A-pillar
- 347 Earth connection, in roof wiring harness
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- A32 Positive connection (30), in dash panel wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- * Only for American markets
- *2 gradual introduction

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Onboard supply control unit, Automatic anti-dazzle interior mirror

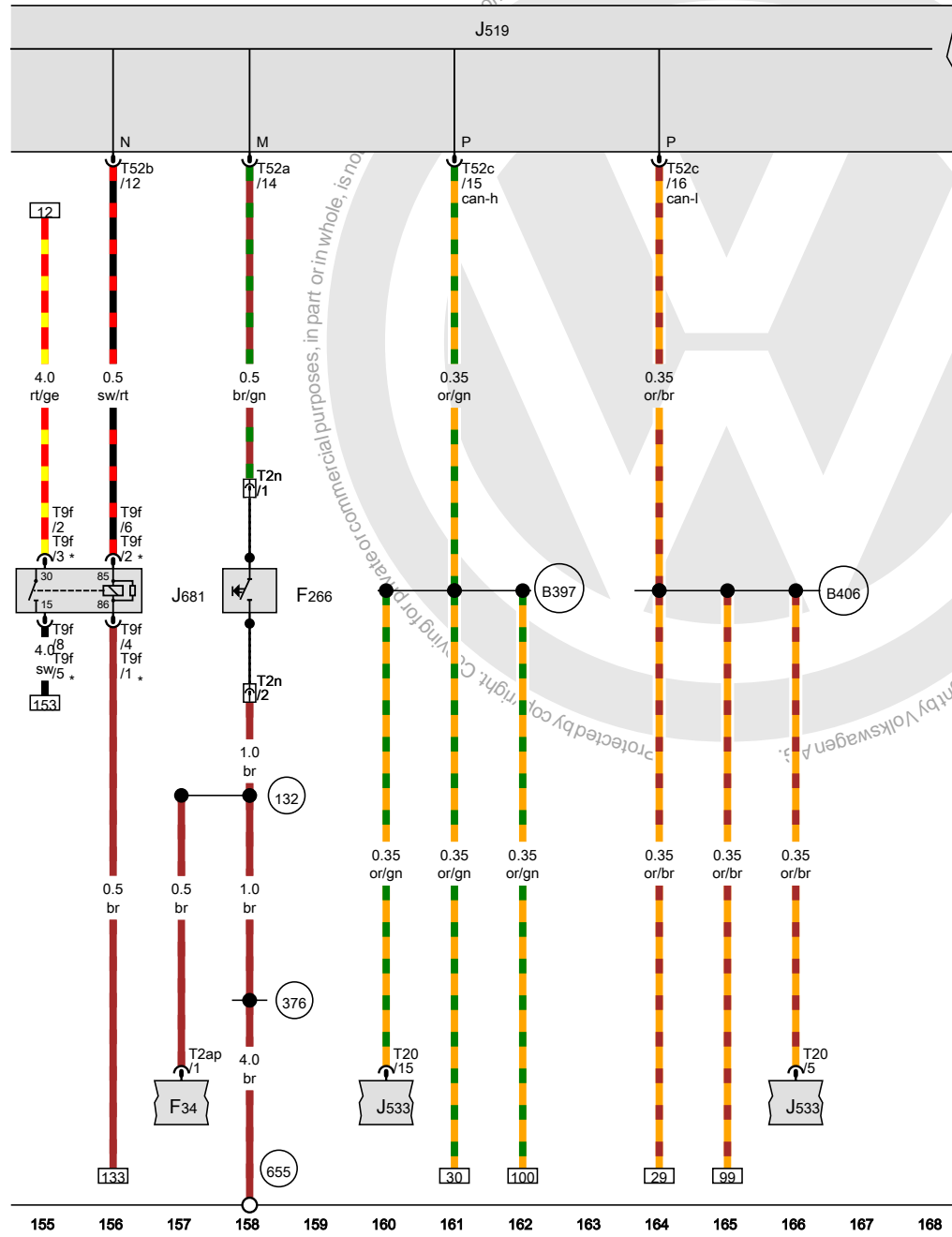


- E1 Light switch
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- MX6 Right tail light 2
- M17 Right reversing light bulb
- SC13 Fuse 13 on fuse holder C
- T4d 4-pin connector
- T6b 6-pin connector
- T6d 6-pin connector
- T9c 9-pin connector
- T10h 10-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light
- Y7 Automatic anti-dazzle interior mirror

- A87 Connection (RL), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * gradual introduction
- *2 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-060120415



Bonnet contact switch, Onboard supply control unit, Terminal 15 voltage supply relay 2

- F34 Brake fluid level warning contact
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J681 Terminal 15 voltage supply relay 2
- T2ap 2-pin connector
- T2n 2-pin connector
- T9f 9-pin connector
- T20 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * gradual introduction

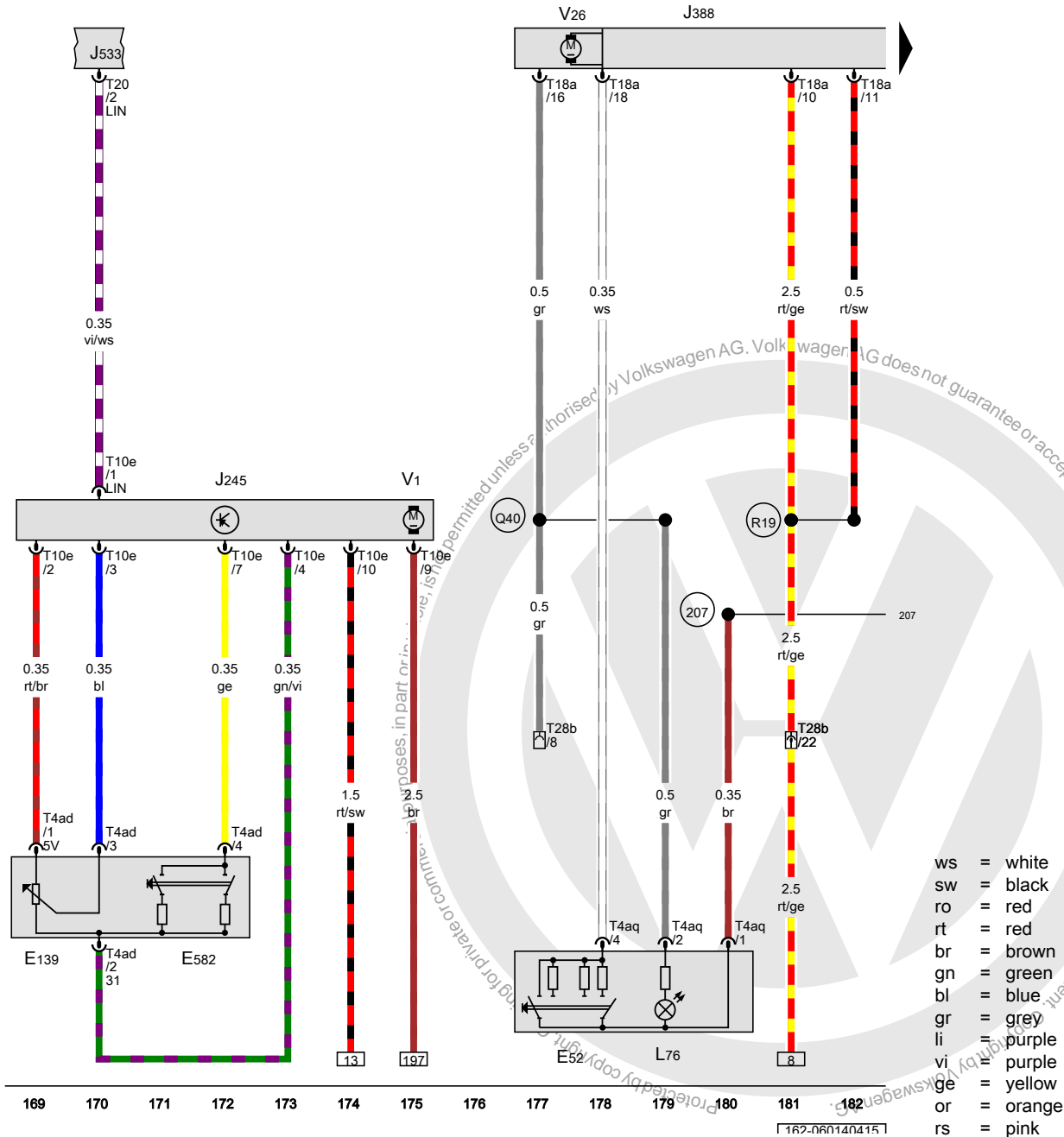
- ws = white
- sw = black
- ro = red
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- ge = yellow
- or = orange
- rs = pink

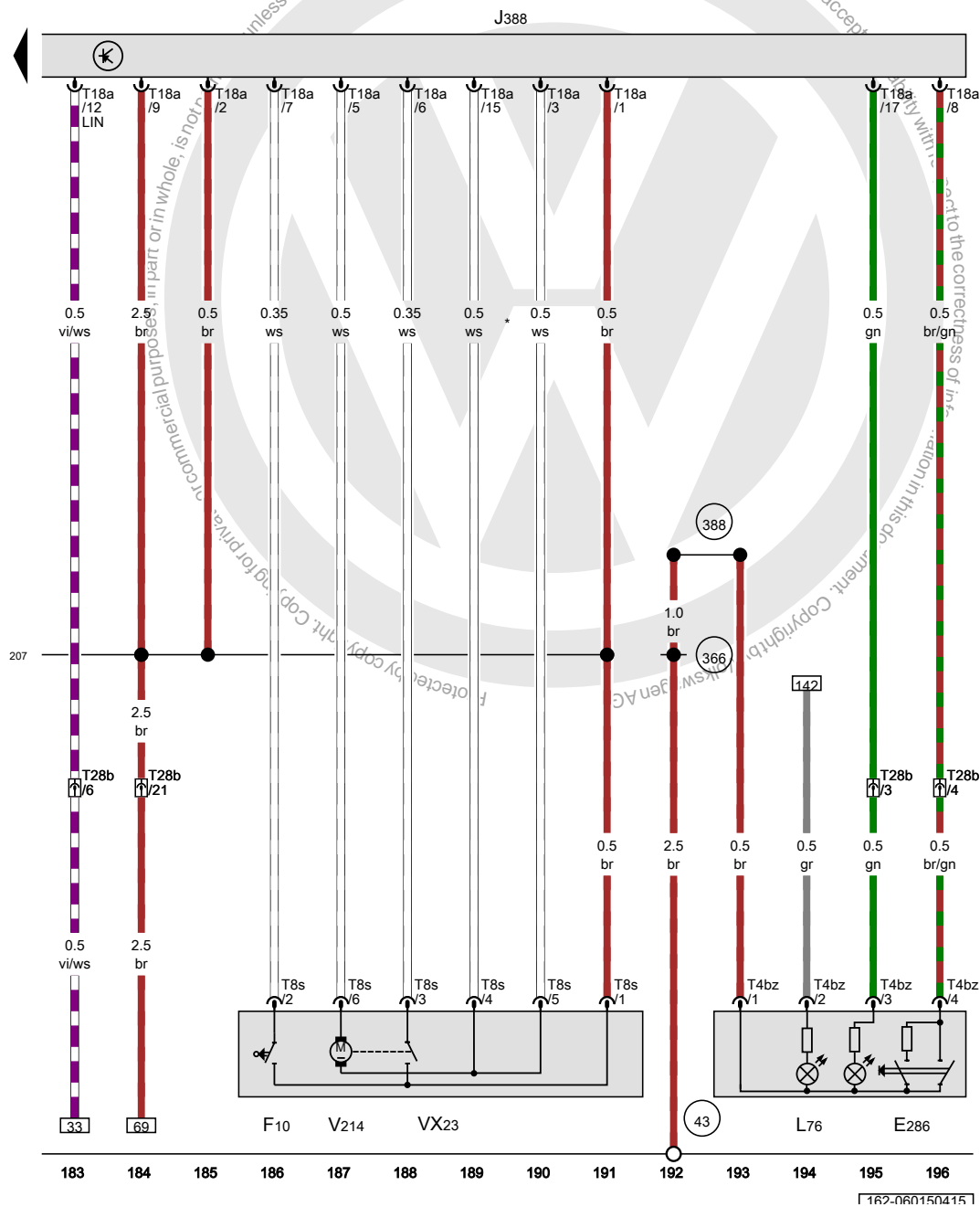
162-060130415

Rear left window regulator switch, in door, Sliding sunroof adjustment regulator, Button 1 for tilting roof, Sliding sunroof adjustment control unit, Rear left door control unit, Sliding sunroof motor, Rear left window regulator motor

- E52 Rear left window regulator switch, in door
- E139 Sliding sunroof adjustment regulator
- E582 Button 1 for tilting roof
- J245 Sliding sunroof adjustment control unit
- J388 Rear left door control unit
- J533 Data bus diagnostic interface
- L76 Button illumination bulb
- T4ad 4-pin connector
- T4aq 4-pin connector
- T10e 10-pin connector
- T18a 18-pin connector
- T20 20-pin connector
- T28b 28-pin connector, on left B-pillar
- V1 Sliding sunroof motor
- V26 Rear left window regulator motor

- 207 Earth connection, in rear left door wiring harness
- Q40 Positive connection 3 (58b), in window regulator wiring harness
- R19 Positive connection 1 (30), in rear left door wiring harness





Rear central switch for interior locking, Rear left door contact switch, Rear left door control unit, Rear left door lock unit, Rear left door central locking motor, lock

- E286 Rear central switch for interior locking
- F10 Rear left door contact switch
- J388 Rear left door control unit
- L76 Button illumination bulb
- T4bz 4-pin connector
- T8s 8-pin connector
- T18a 18-pin connector
- T28b 28-pin connector, on left B-pillar
- VX23 Rear left door lock unit
- V214 Rear left door central locking motor, lock

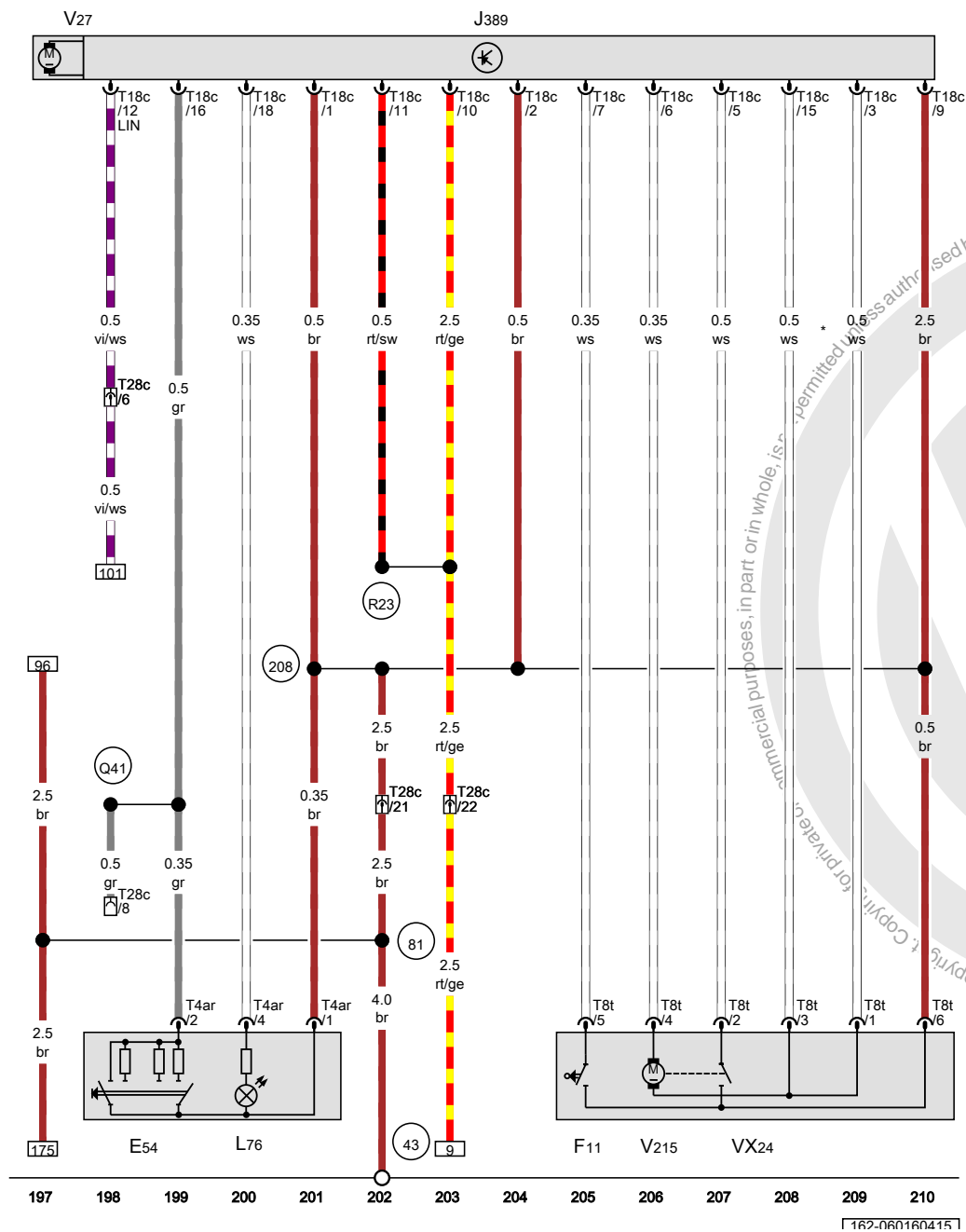
- 43 Earth point, lower part of right A-pillar
- 207 Earth connection, in rear left door wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- * Not for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear right window regulator switch, in door, Rear right door contact switch, Rear right door control unit, Rear right door lock unit, Rear right window regulator motor, Rear right door central locking motor, lock

- E54 Rear right window regulator switch, in door
- F11 Rear right door contact switch
- J389 Rear right door control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T8t 8-pin connector
- T18c 18-pin connector
- T28c 28-pin connector, on right B-pillar
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 208 Earth connection, in rear right door wiring harness
- Q41 Positive connection 4 (58b), in window regulator wiring harness
- R23 Positive connection 1 (30), in rear right door wiring harness
- * Not for American markets



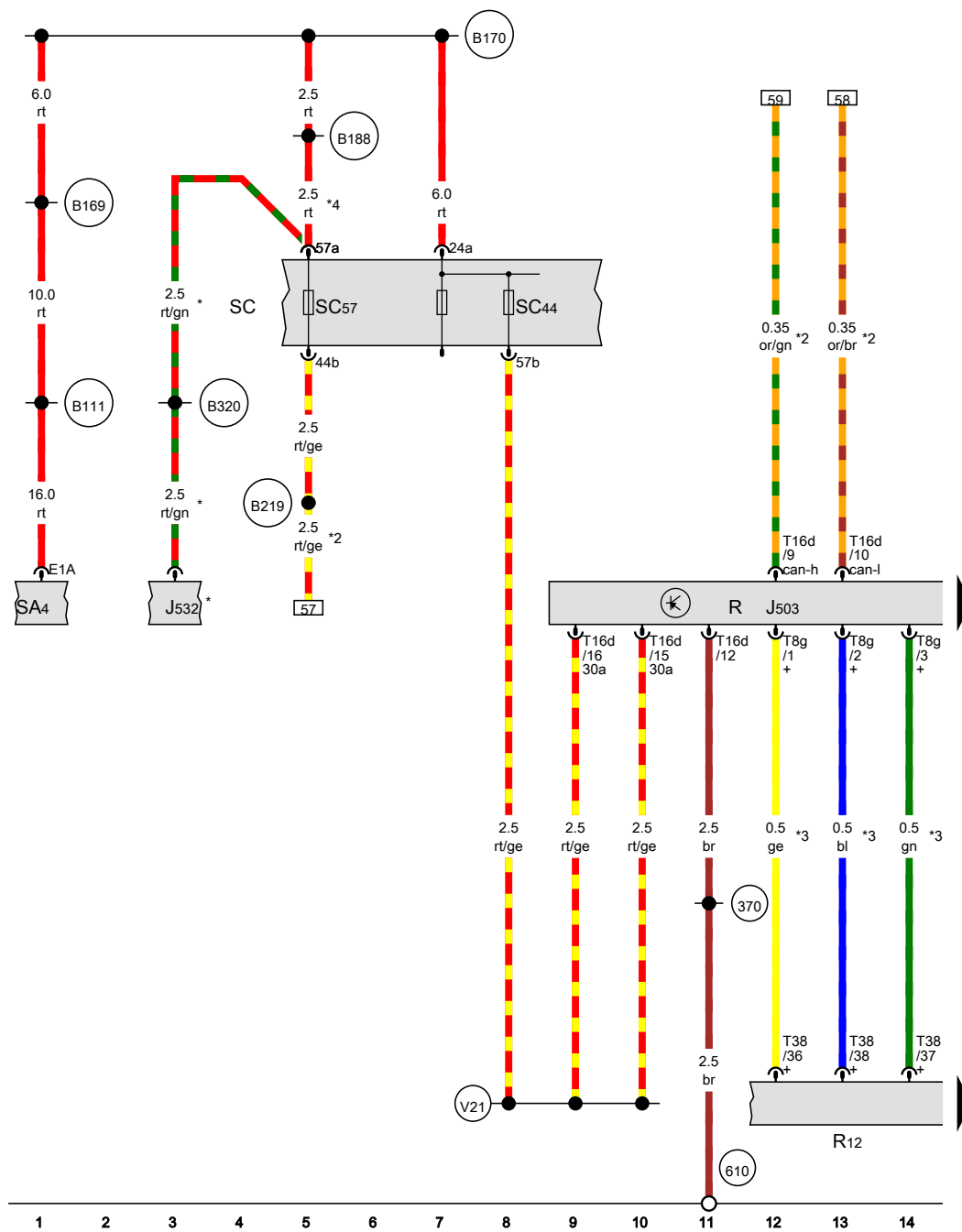
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-060160415

Radio systems/navigation systems , (7T2),(7T6),(7T8),(7UB),(7UK),(7UL),(8AE),(8AX),(8DD)

From June 2011





Control unit with display for radio and navigation, Radio, Fuse 4 in fuse holder A, Fuse holder C

- J503 Control unit with display for radio and navigation
- J532 Voltage stabiliser
- R Radio
- R12 Amplifier
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T8g 8-pin connector
- T16d 16-pin connector
- T38 38-pin connector

- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B188 Positive connection 5 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness

- ws = white
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- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

- * Only models with stop/start system
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with sound system
- *4 Only models with no start/stop system

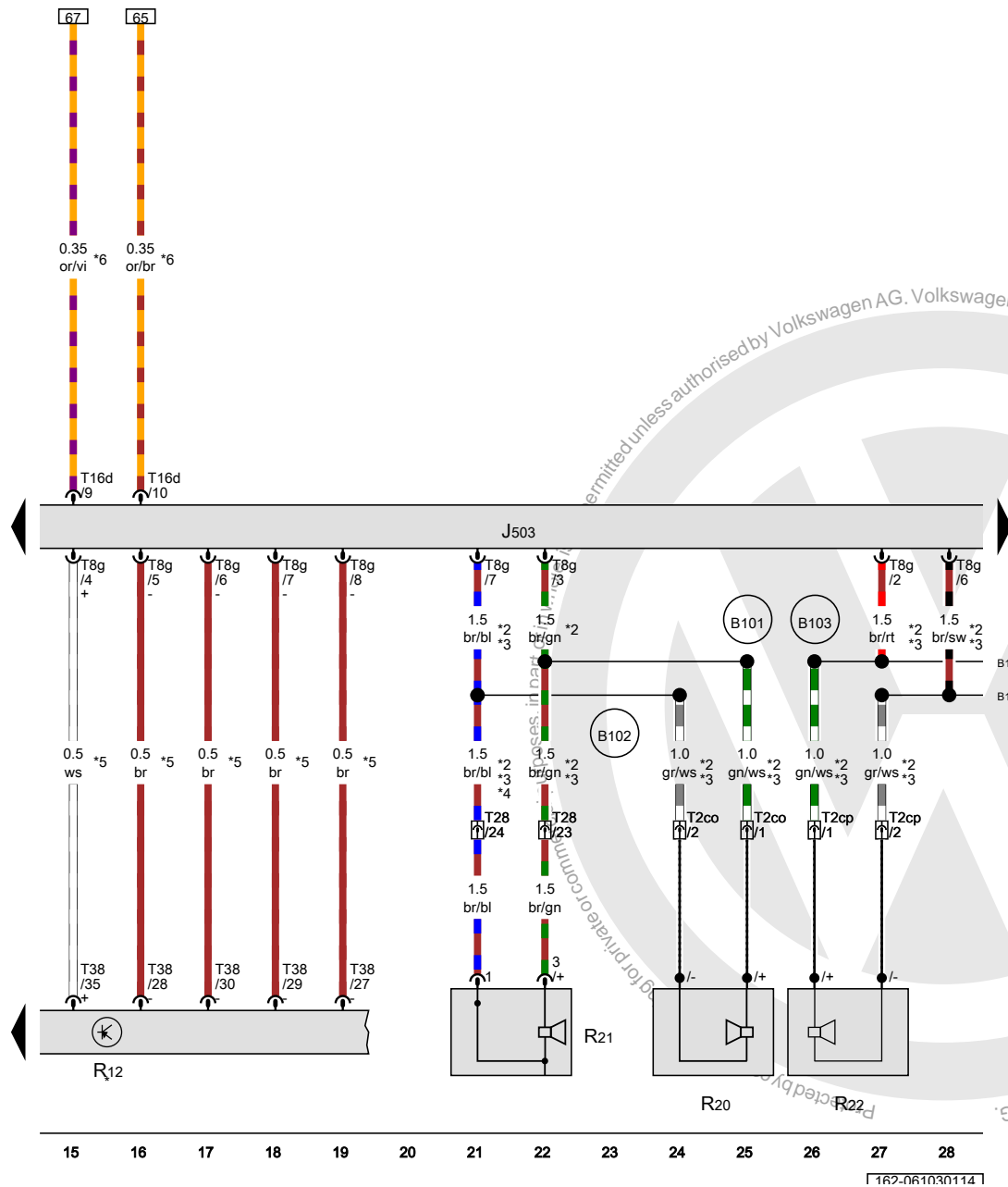
Control unit with display for radio and navigation, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker

- J503 Control unit with display for radio and navigation
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- T2co 2-pin connector, Interface for front loudspeaker, on left in dash panel
- T2cp 2-pin connector, Interface for front loudspeaker, on right in dash panel
- T8g 8-pin connector
- T16d 16-pin connector
- T28 28-pin connector
- T38 38-pin connector

- B101 Connection (positive, front left speaker), in main wiring harness
- B102 Connection (negative, front left speaker), in main wiring harness
- B103 Connection (positive, front right speaker), in main wiring harness
- B104 Connection (negative, front right speaker), in main wiring harness

- * see applicable current flow diagram for sound system
- *2 Only models with no sound system
- *3 Wiring colour depends on equipment
- *4 Cross section depends on equipment
- *5 Only models with sound system
- *6 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



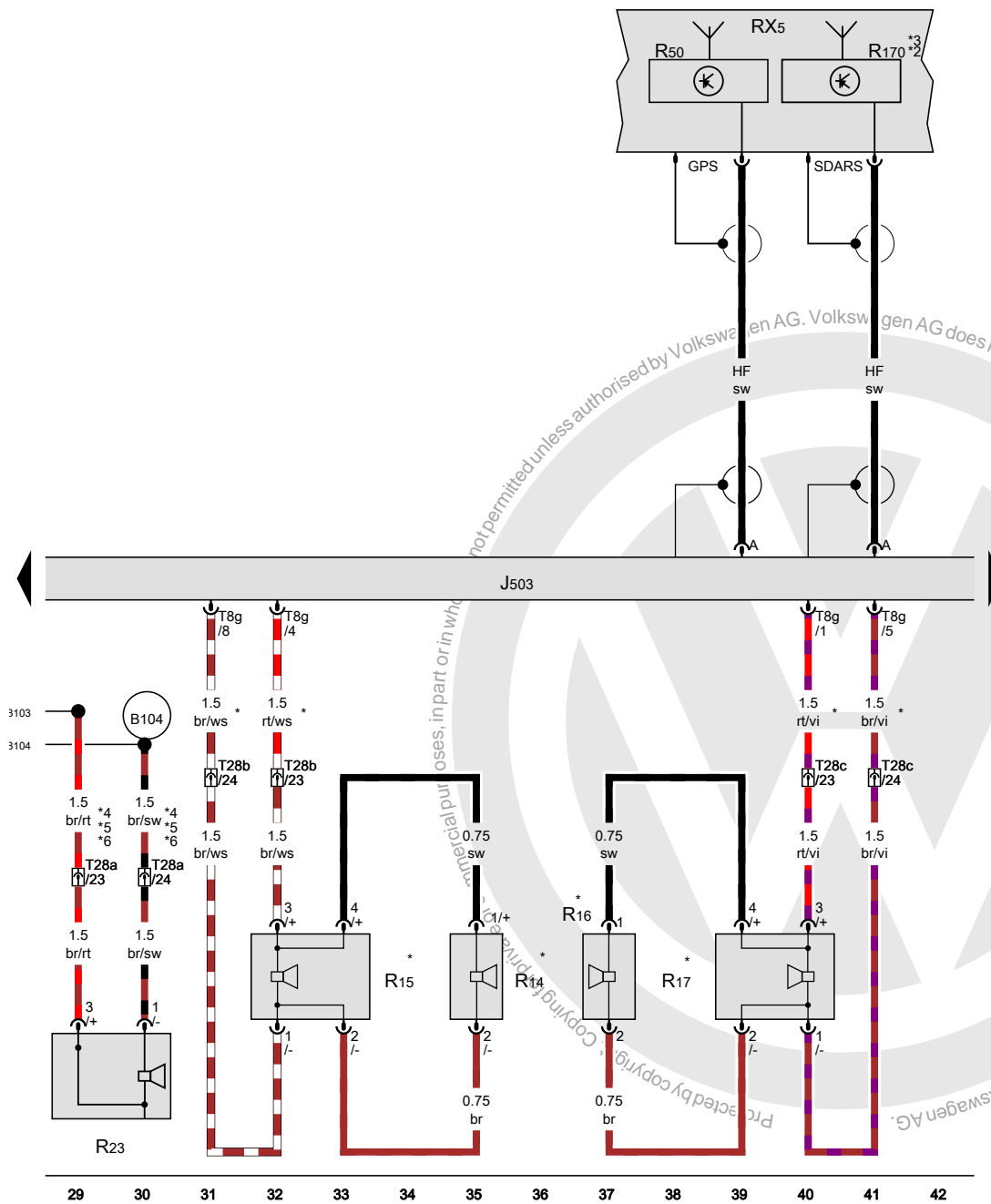
162-061030114

Control unit with display for radio and navigation, Roof aerial, Rear left treble loudspeaker, Rear left bass loudspeaker, Rear right treble loudspeaker, Rear right bass loudspeaker, Front right bass loudspeaker, GPS aerial, Satellite aerial

- J503 Control unit with display for radio and navigation
- RX5 Roof aerial
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- R23 Front right bass loudspeaker
- R50 GPS aerial
- R170 Satellite aerial
- T8g 8-pin connector
- T28a 28-pin connector
- T28b 28-pin connector
- T28c 28-pin connector

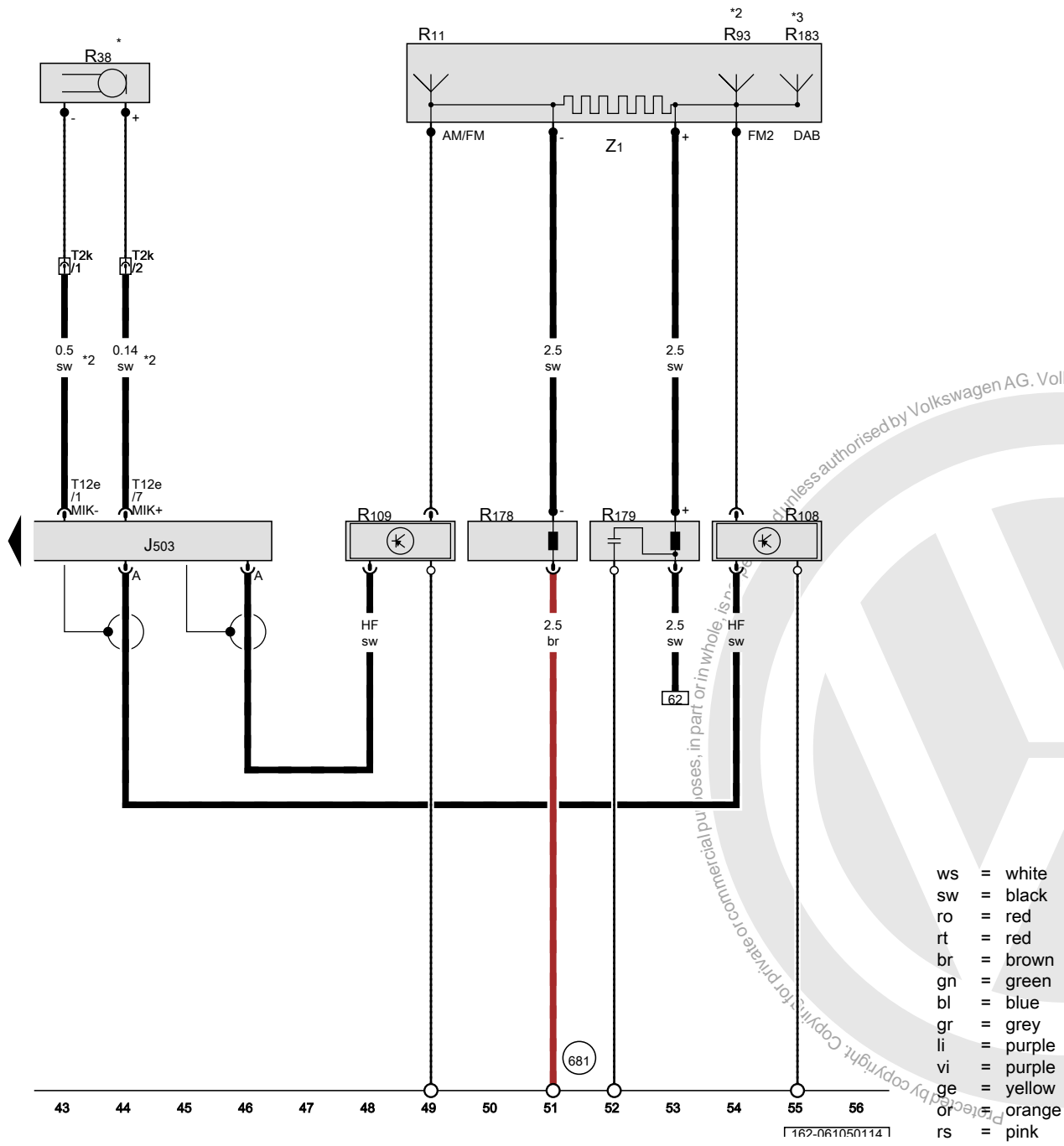
- B103 Connection (positive, front right speaker), in main wiring harness
- B104 Connection (negative, front right speaker), in main wiring harness

- * According to equipment
- *2 Only for American markets
- *3 Only models with satellite radio
- *4 Only models with no sound system
- *5 Wiring colour depends on equipment
- *6 Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-061040114



Control unit with display for radio and navigation, Aerial, Radio aerial 2, Left aerial module, Right aerial module, Digital radio aerial, Heated rear window

- J503 Control unit with display for radio and navigation
- R11 Aerial
- R38 Telephone microphone
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- R183 Digital radio aerial
- T2k 2-pin connector
- T12e 12-pin connector
- Z1 Heated rear window

681 Earth point 1, in rear right side panel

- * see applicable current flow diagram for telephone systems
- *2 According to equipment
- *3 Only models with digital radio

- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-061050114

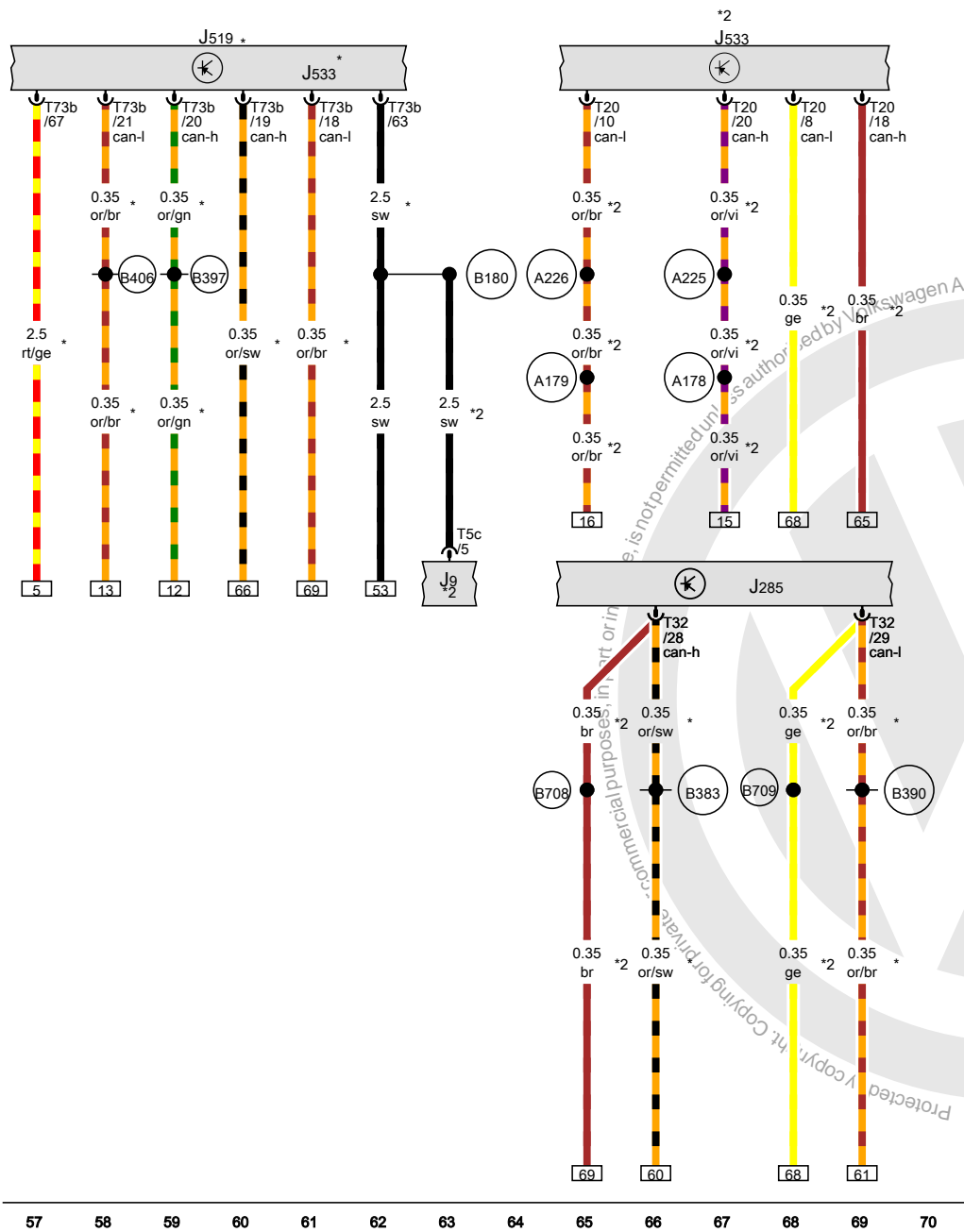
Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J9 Heated rear window relay
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T5c 5-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T73b 73-pin connector

- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness

- * Only models with "Low" equipment (AW0)
- *2 Only models with "High" equipment (AW1)

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-061060114

Convenience system , (AW1)

From June 2011



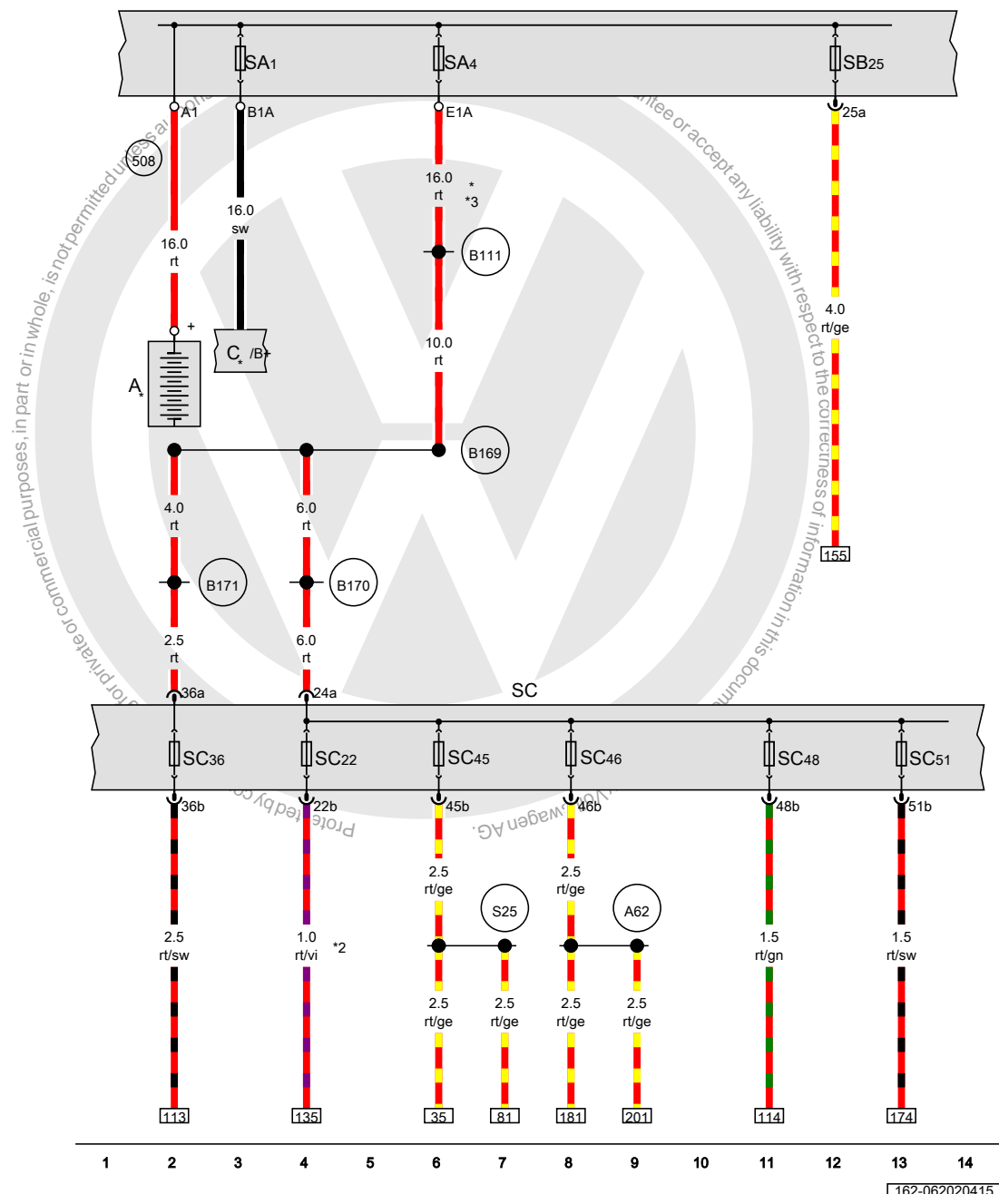
Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 25 on fuse holder B, Fuse holder C

- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C

- 508 Threaded connection (30) on E-box
- A62 Connection (window regulators), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- S25 Positive connection (30a), in central locking wiring harness

- * Only models with no hybrid drive system
- *2 Cross section depends on equipment
- *3 see applicable current flow diagram for high-voltage system

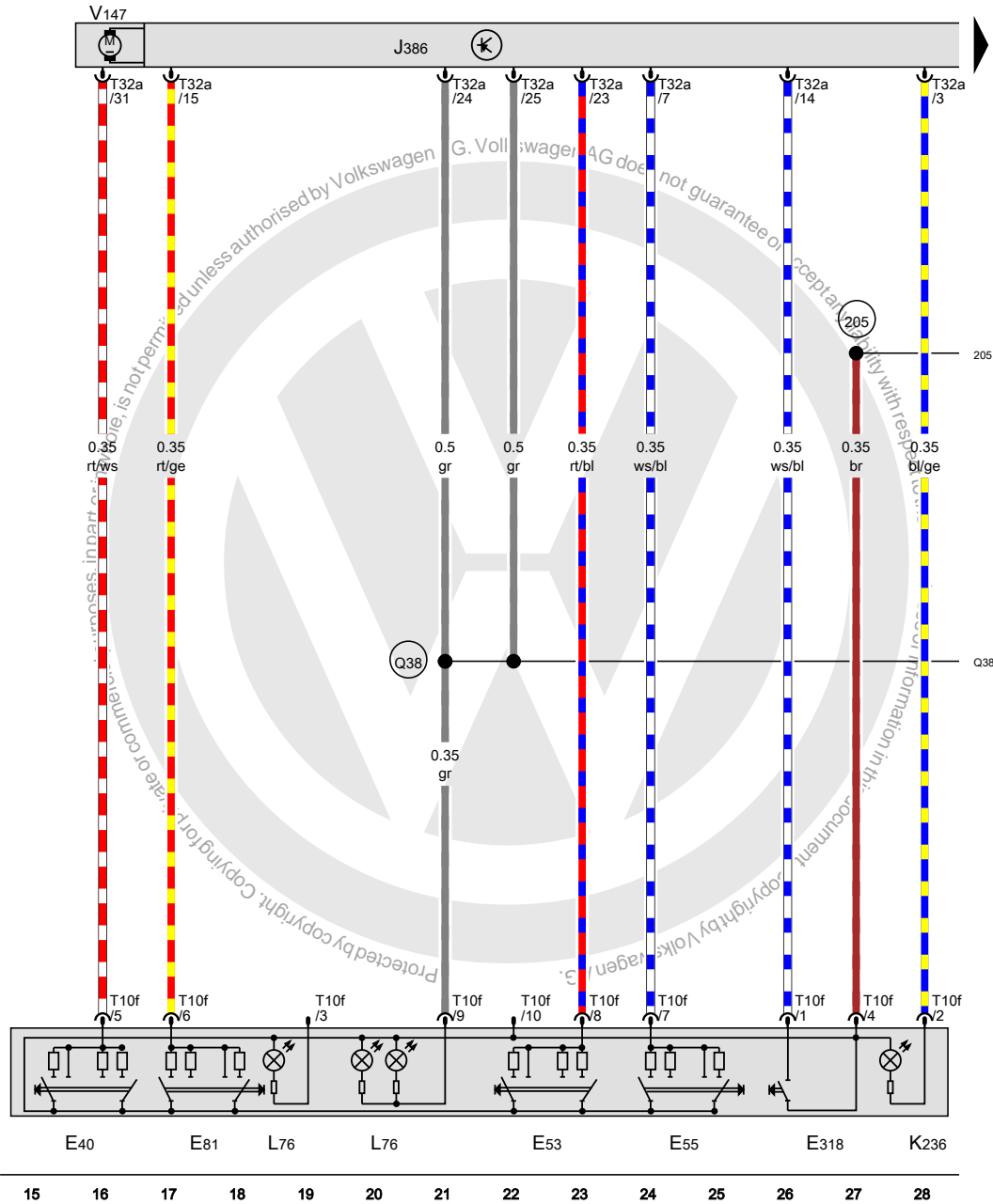
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-062020415

Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit

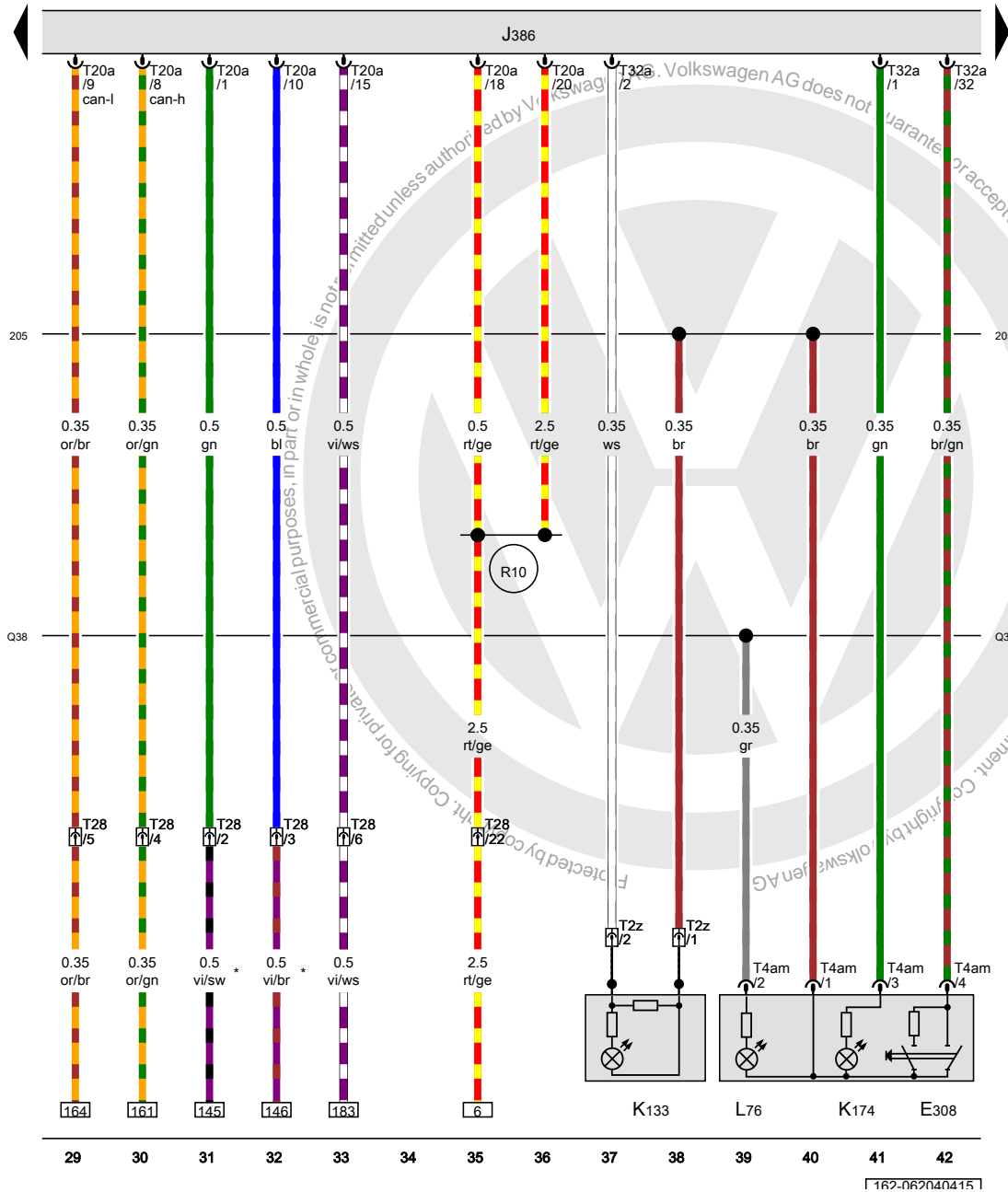
- E40 Front left window regulator switch
 - E53 Rear left window regulator switch, in driver door
 - E55 Rear right window regulator switch, in driver door
 - E81 Front right window regulator switch in driver door
 - E318 Childproof lock button
 - J386 Driver door control unit
 - K236 Warning light for activated childproof lock
 - L76 Button illumination bulb
 - T10f 10-pin connector
 - T32a 32-pin connector
 - V147 Driver side window regulator motor
- (205) Earth connection, in driver door wiring harness
 - (Q38) Positive connection 1 (58b), in window regulator wiring harness



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-062030415

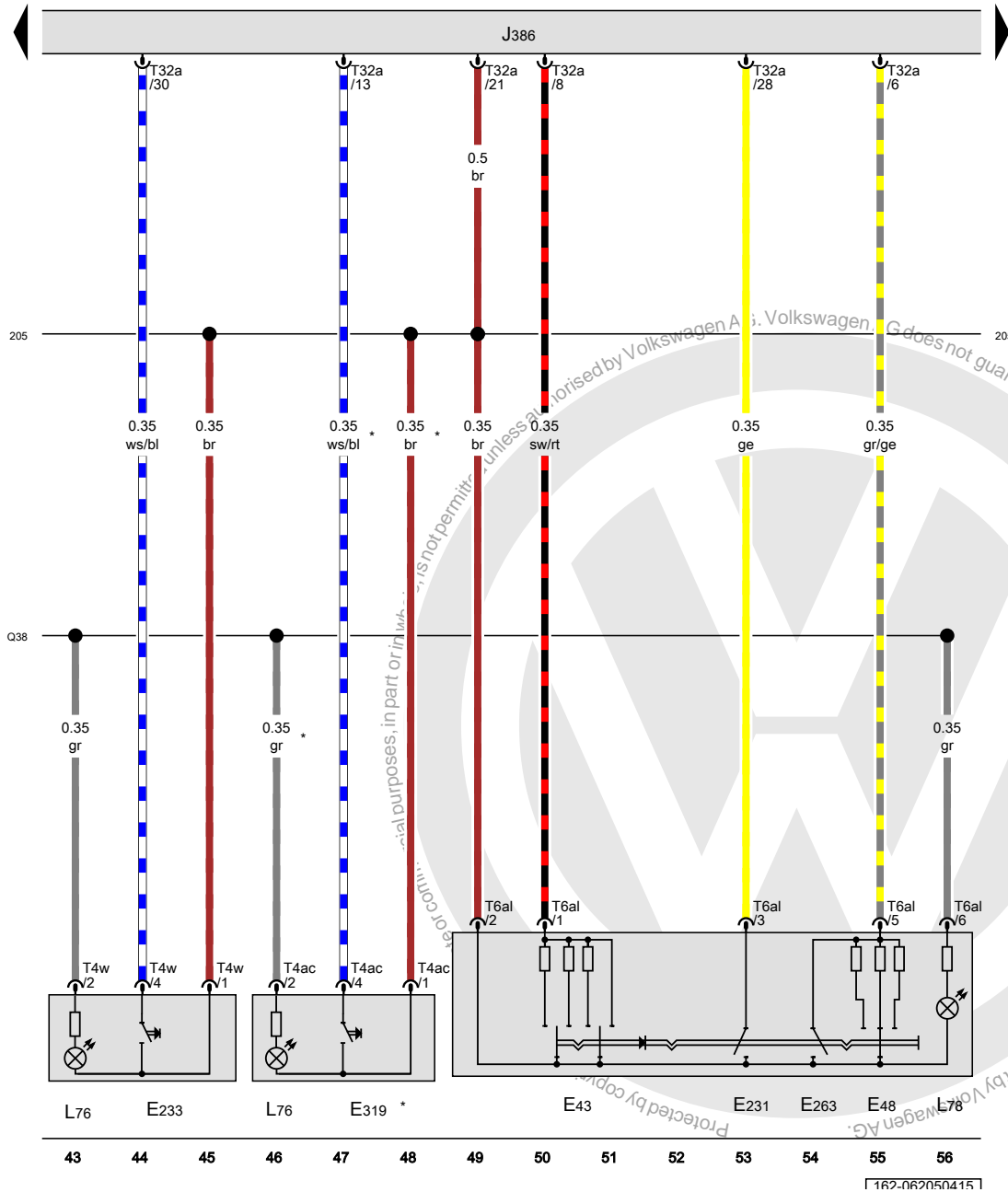
Driver side interior locking button for central locking system, Driver door control unit, Central locking SAFELOCK function warning lamp



- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2z 2-pin connector
- T4am 4-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- R10 Positive connection 1 (30), in driver door wiring harness
- * Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Rear lid remote release button, Fold-in mirror switch, Fuel tank flap release button, Driver door control unit, Mirror adjustment switch illumination bulb

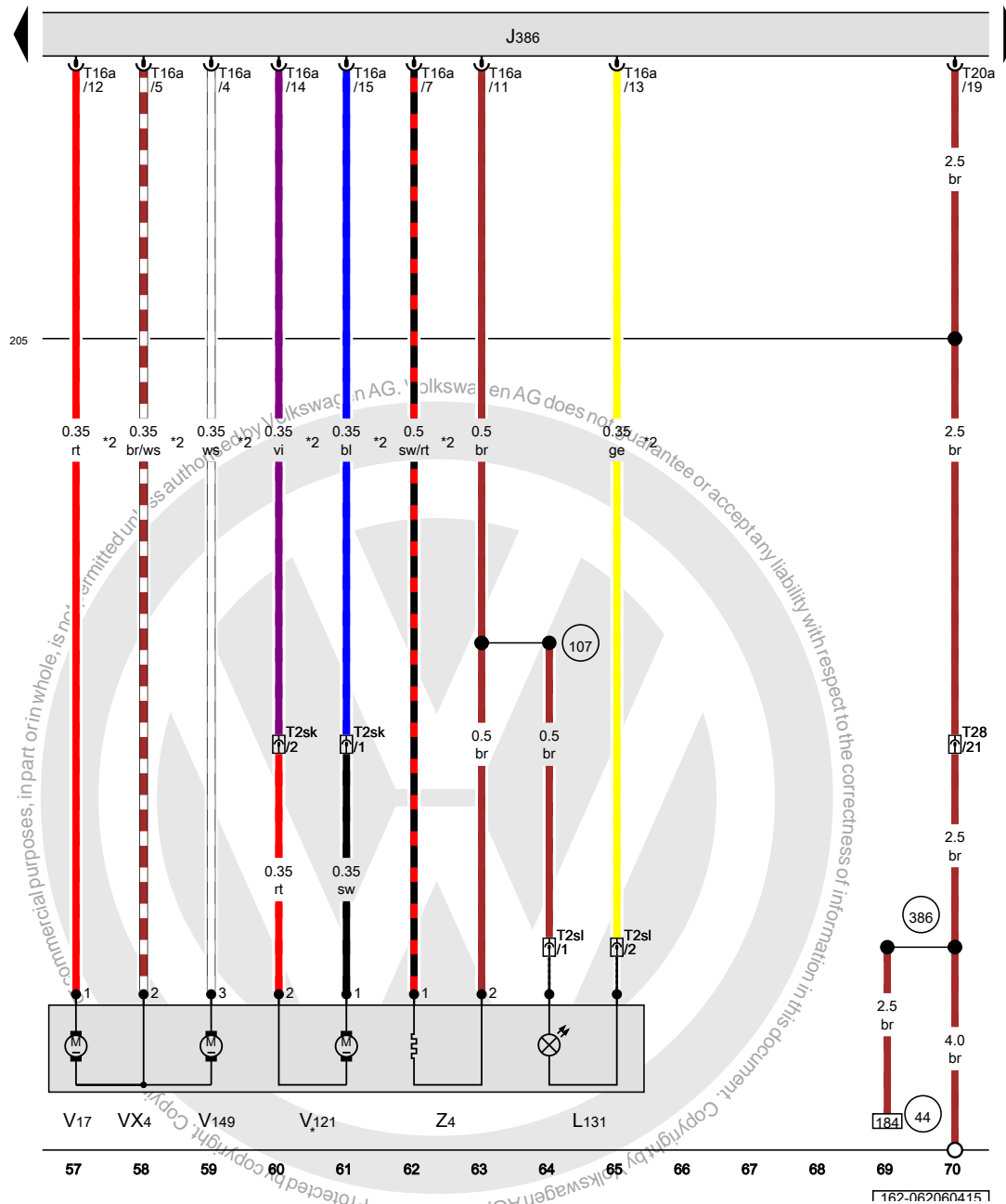
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E233 Rear lid remote release button
- E263 Fold-in mirror switch
- E319 Fuel tank flap release button
- J386 Driver door control unit
- L76 Button illumination bulb
- L78 Mirror adjustment switch illumination bulb
- T4ac 4-pin connector
- T4w 4-pin connector
- T6al 6-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- * Only for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-062050415

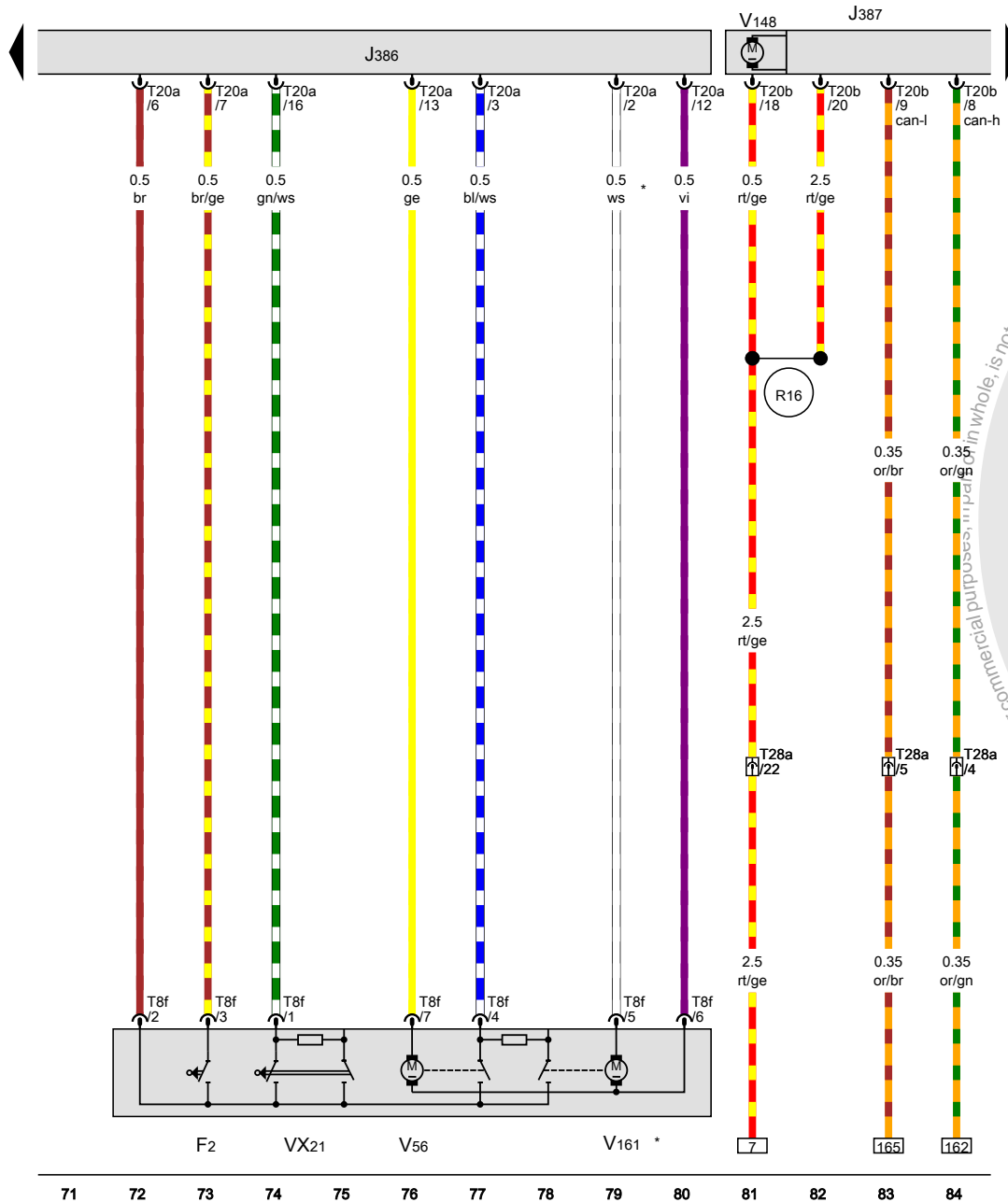
Driver door control unit, Driver side exterior mirror, Driver side fold-in mirror motor, Driver side mirror adjustment motor



- J386 Driver door control unit
 - L131 Driver side turn signal repeater bulb
 - T2sk 2-pin connector
 - T2sl 2-pin connector
 - T16a 16-pin connector
 - T20a 20-pin connector
 - T28 28-pin connector, lower part of A-pillar, driver side
 - VX4 Driver side exterior mirror
 - V17 Driver side mirror adjustment motor 2
 - V121 Driver side fold-in mirror motor
 - V149 Driver side mirror adjustment motor
 - Z4 Heated exterior mirror on driver side
- 44 Earth point, lower part of left A-pillar
 - 107 Earth connection, in external mirror wiring harness
 - 205 Earth connection, in driver door wiring harness
 - 386 Earth connection 21, in main wiring harness
- * According to equipment
 - *2 Wiring colour depends on equipment

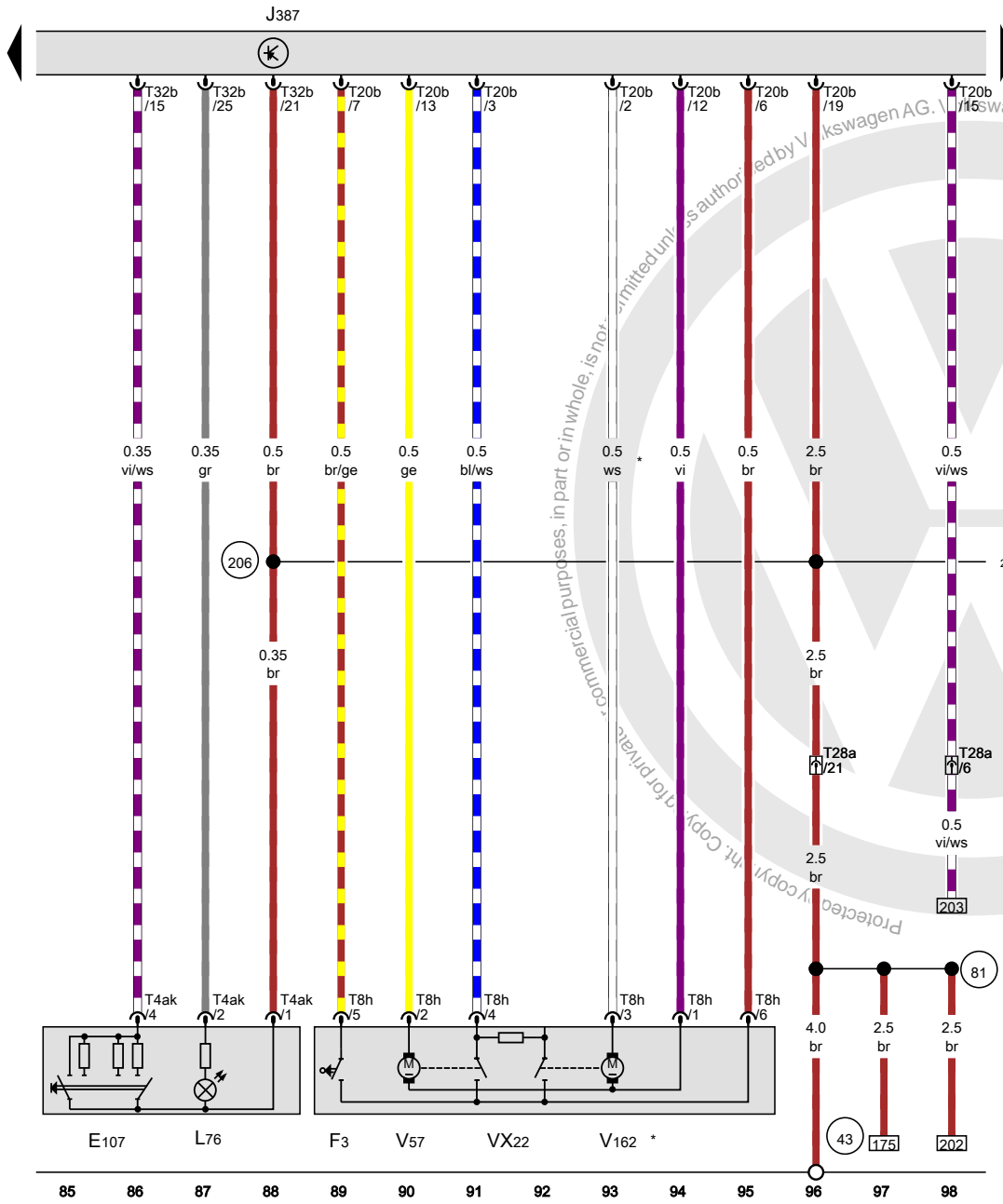
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver door contact switch, Driver door control unit, Front passenger door control unit, Driver door lock unit, Driver door central locking motor, Front passenger side window regulator motor



- F2 Driver door contact switch
- J386 Driver door control unit
- J387 Front passenger door control unit
- T8f 8-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V148 Front passenger side window regulator motor
- V161 Driver door central locking SAFELOCK function motor
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * Not for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



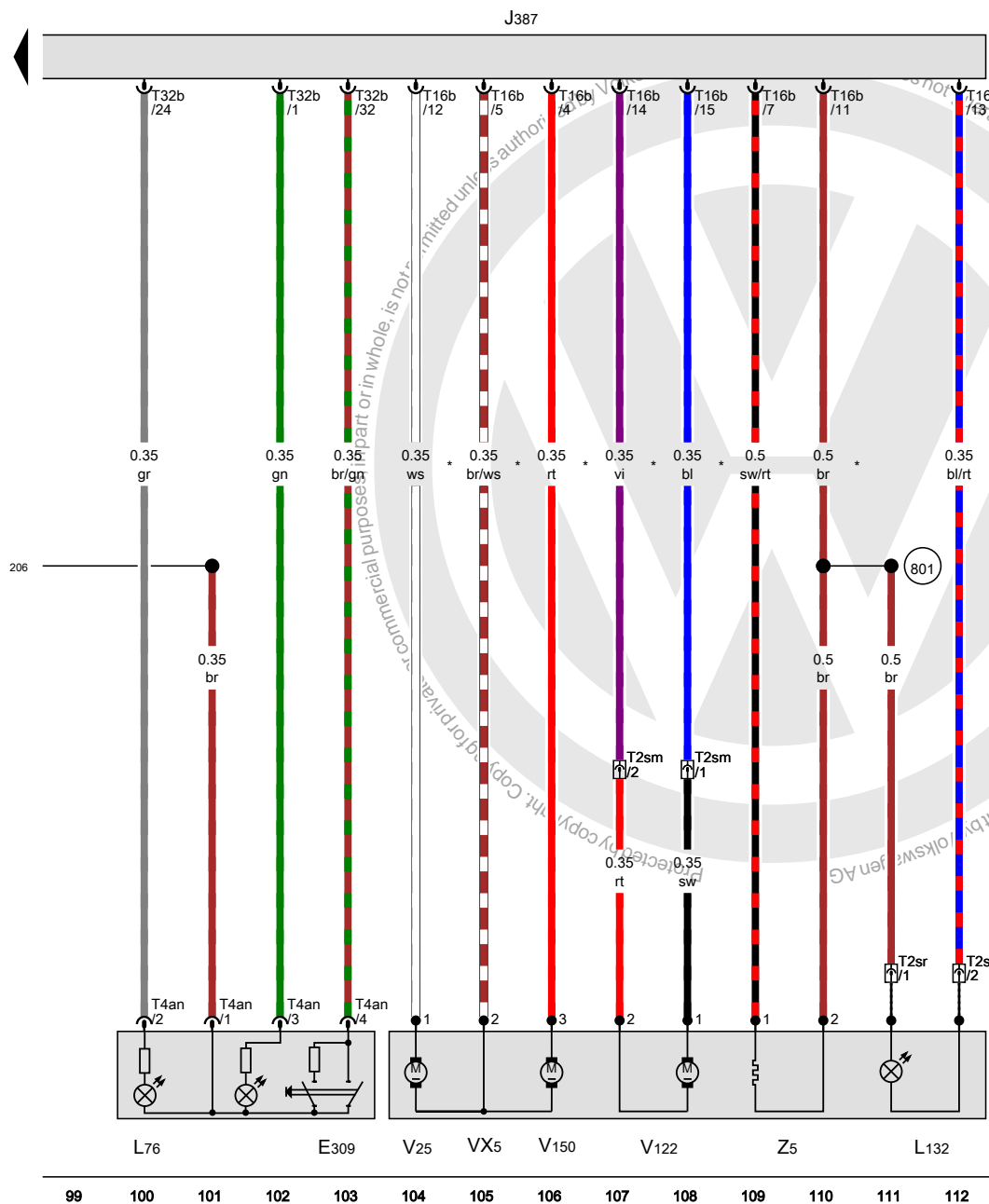
Window regulator switch in front passenger door, Front passenger door contact switch, Front passenger door control unit, Front passenger door lock unit, Front passenger seat central locking motor

- E107 Window regulator switch in front passenger door
- F3 Front passenger door contact switch
- J387 Front passenger door control unit
- L76 Button illumination bulb
- T4ak 4-pin connector
- T8h 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32b 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 206 Earth connection, in front passenger door wiring harness
- * Not for American markets

- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-062080415



Front passenger side interior locking button for central locking system, Front passenger door control unit, Front passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

- E309 Front passenger side interior locking button for central locking system
- J387 Front passenger door control unit
- L76 Button illumination bulb
- L132 Front passenger side turn signal repeater bulb
- T2sm 2-pin connector
- T2sr 2-pin connector
- T4an 4-pin connector
- T16b 16-pin connector
- T32b 32-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

206 Earth connection, in front passenger door wiring harness

801 Earth connection 2, in external mirror wiring harness

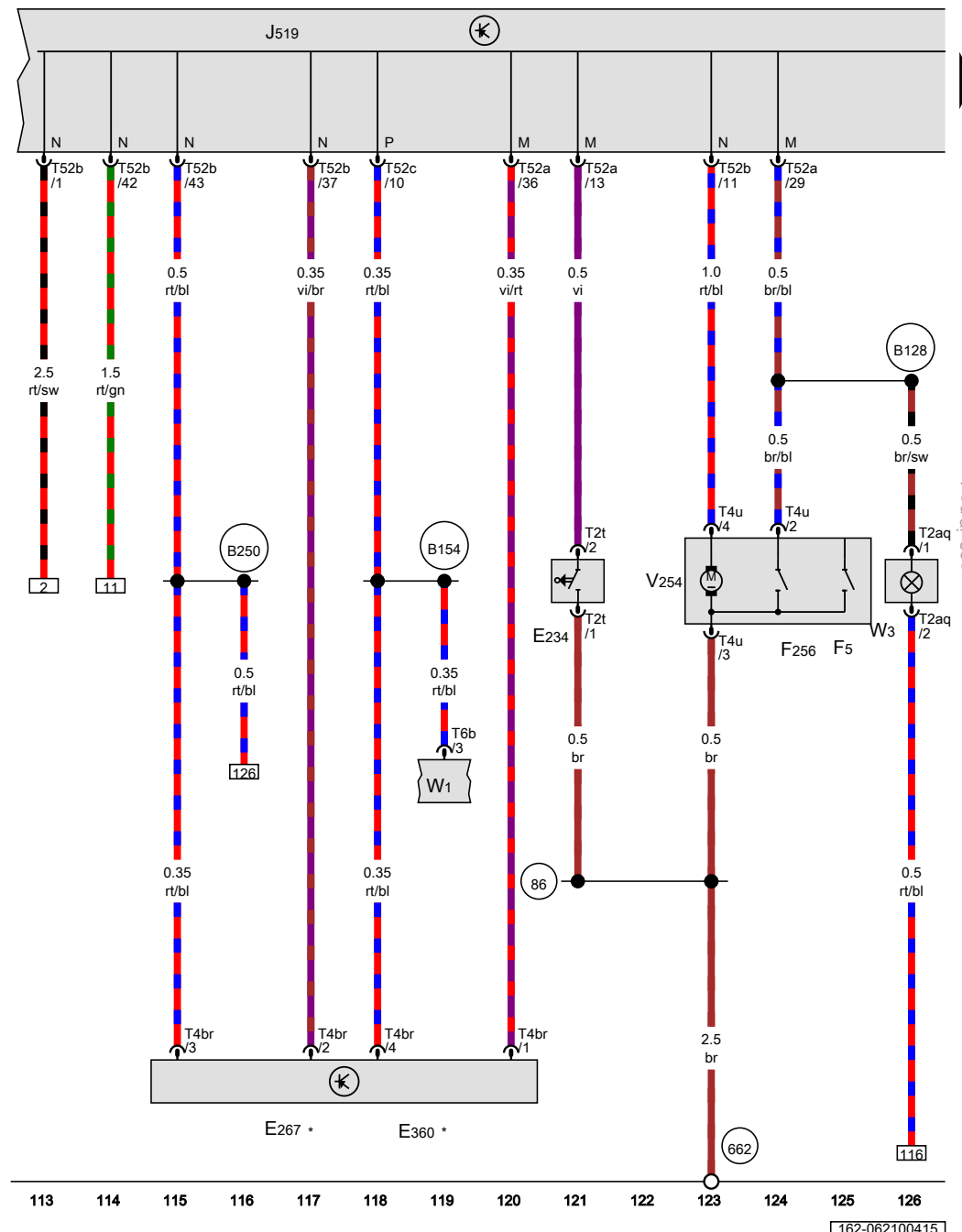
* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112

162-062090415

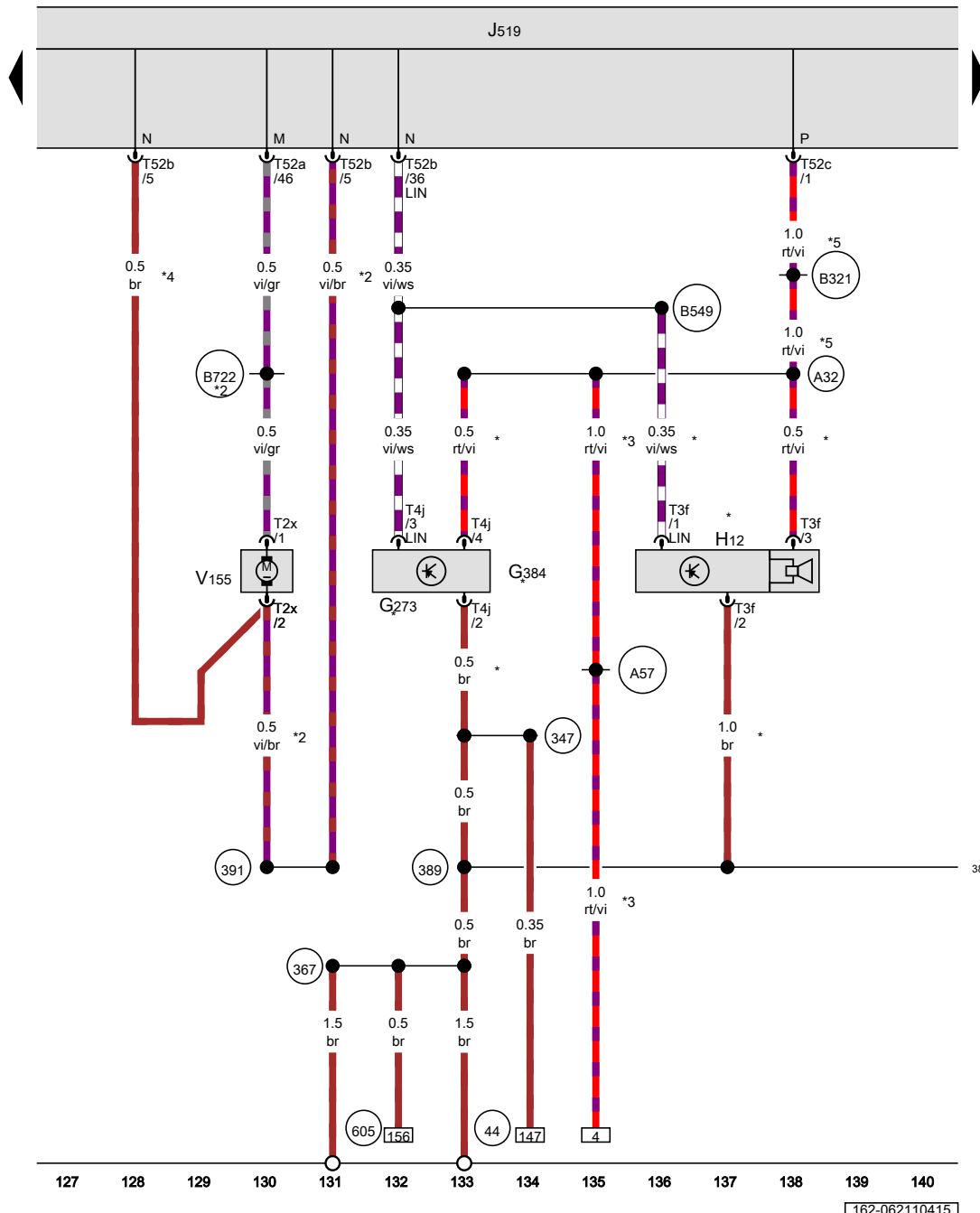
Rear lid handle release button, Interior monitoring deactivation switch, Deactivation button for vehicle inclination sender, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Rear lid electric opener motor, Front interior light, Luggage compartment light



- E234 Rear lid handle release button
 - E267 Interior monitoring deactivation switch
 - E360 Deactivation button for vehicle inclination sender
 - F5 Luggage compartment light switch
 - F256 Rear lid lock unit
 - J519 Onboard supply control unit
 - T2aq 2-pin connector
 - T2t 2-pin connector
 - T4br 4-pin connector
 - T4u 4-pin connector
 - T6b 6-pin connector
 - T52a 52-pin connector
 - T52b 52-pin connector
 - T52c 52-pin connector
 - V254 Rear lid electric opener motor
 - W1 Front interior light
 - W3 Luggage compartment light
 - 86 Earth connection 1, in rear wiring harness
 - 662 Earth point, rear left side panel
 - B128 Connection (luggage compartment light), in interior wiring harness
 - B154 Connection 1 (Dct), in interior wiring harness
 - B250 Positive connection, in roof wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-062100415



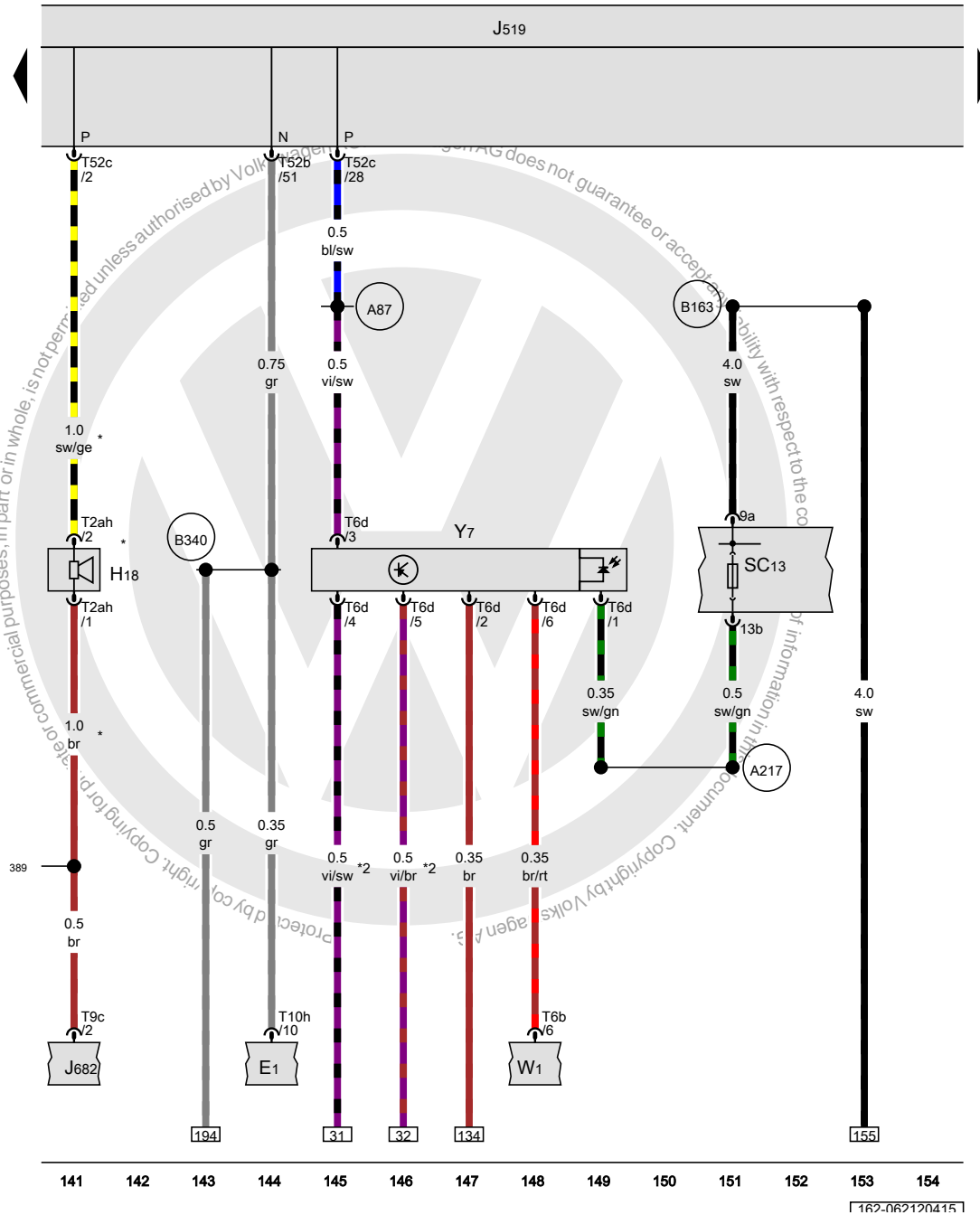
Interior monitoring sensor, Vehicle inclination sender, Alarm horn, Onboard supply control unit, Tank filler flap locking motor

- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- H12 Alarm horn
- J519 Onboard supply control unit
- T2x 2-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V155 Tank filler flap locking motor

- 44 Earth point, lower part of left A-pillar
- 347 Earth connection, in roof wiring harness
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 391 Earth connection 26, in main wiring harness
- 605 Earth point, on top end of steering column
- A32 Positive connection (30), in dash panel wiring harness
- A57 Positive connection 3 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- B722 Connection 3 (central locking), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- ge = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Not for American markets
- *2 gradual introduction
- *3 Cross section depends on equipment
- *4 Gradually discontinued
- *5 Only for American markets



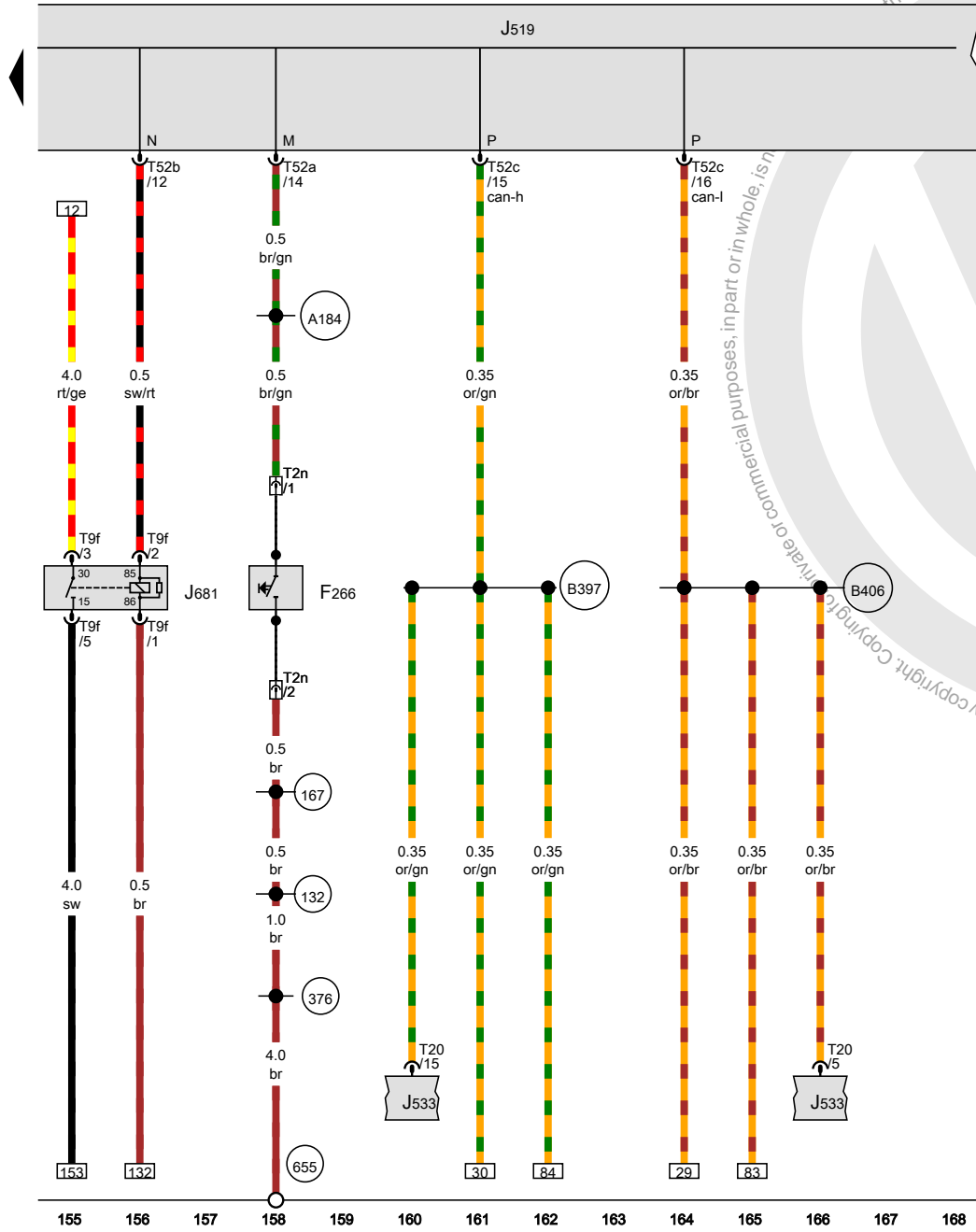
Onboard supply control unit, Automatic anti-dazzle interior mirror

- E1 Light switch
- H18 Alarm system horn
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SC13 Fuse 13 on fuse holder C
- T2ah 2-pin connector
- T6b 6-pin connector
- T6d 6-pin connector
- T9c 9-pin connector
- T10h 10-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light
- Y7 Automatic anti-dazzle interior mirror

- 389 Earth connection 24, in main wiring harness
- A87 Connection (RL), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only for American markets
- *2 Gradually discontinued

162-062120415

Bonnet contact switch, Onboard supply control unit, Terminal 15 voltage supply relay 2



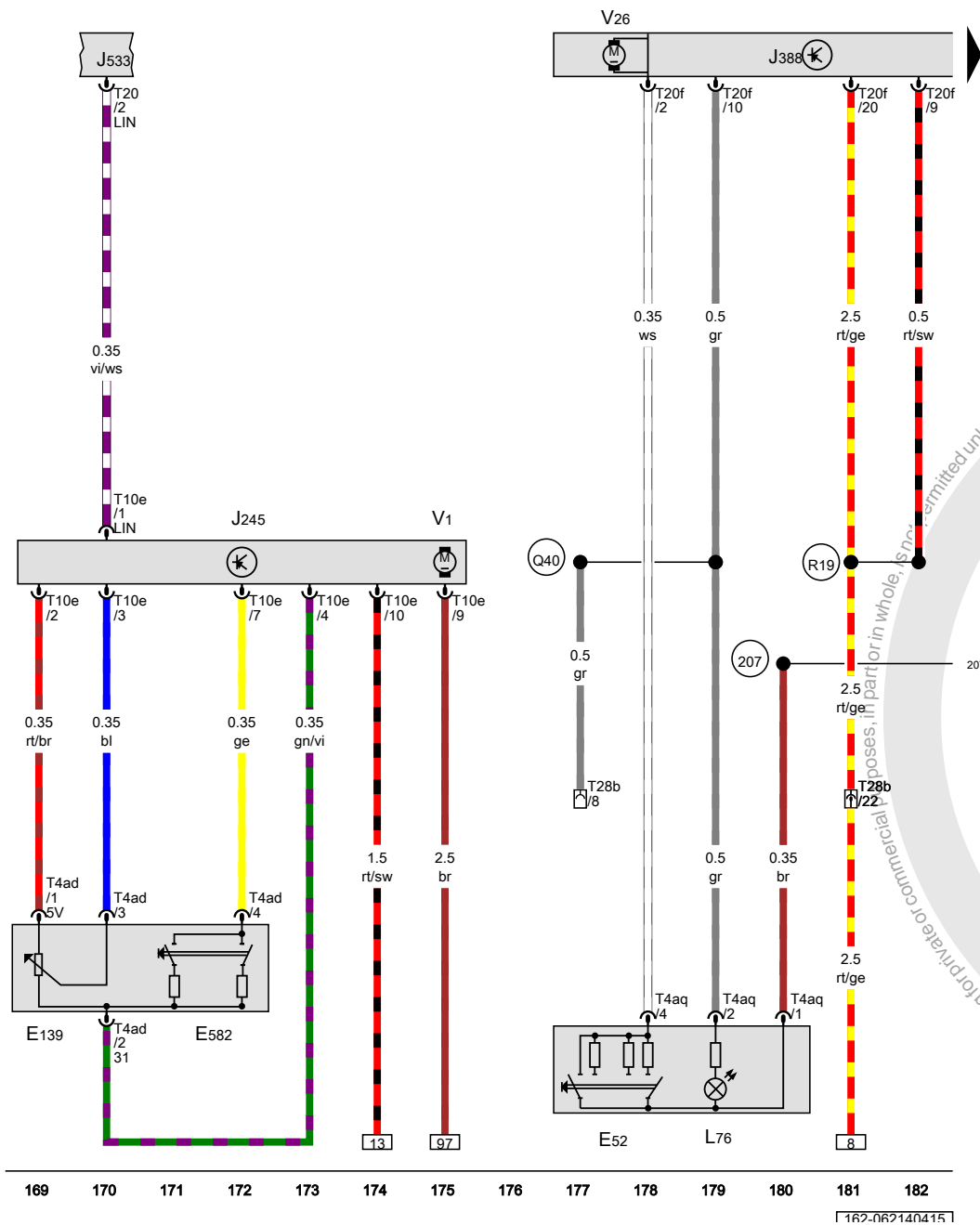
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J681 Terminal 15 voltage supply relay 2
- T2n 2-pin connector
- T9f 9-pin connector
- T20 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- 132 Earth connection 3, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

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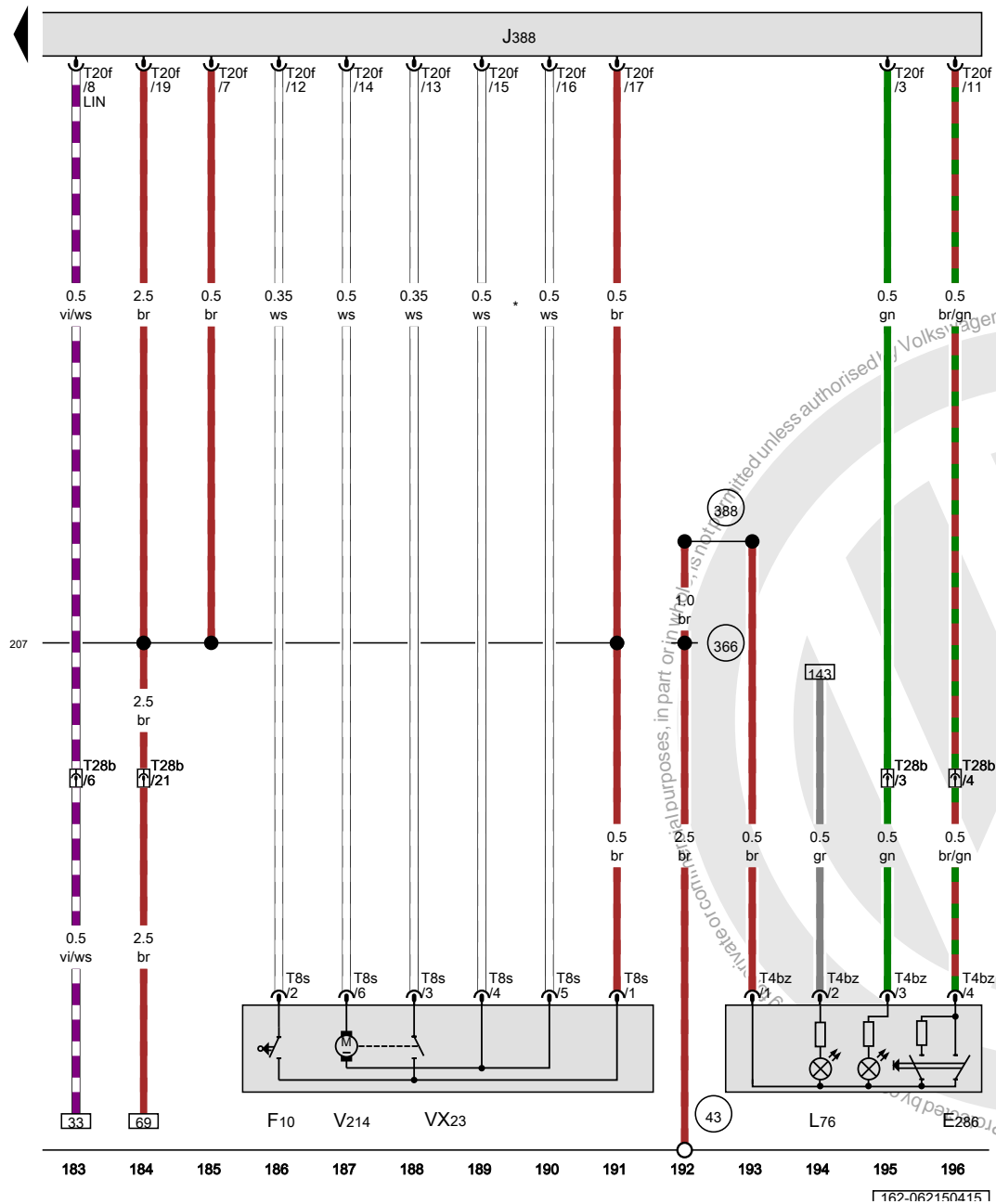
162-062130415

Rear left window regulator switch, in door, Sliding sunroof adjustment regulator, Button 1 for tilting roof, Sliding sunroof adjustment control unit, Rear left door control unit, Sliding sunroof motor, Rear left window regulator motor

- E52 Rear left window regulator switch, in door
 - E139 Sliding sunroof adjustment regulator
 - E582 Button 1 for tilting roof
 - J245 Sliding sunroof adjustment control unit
 - J388 Rear left door control unit
 - J533 Data bus diagnostic interface
 - L76 Button illumination bulb
 - T4ad 4-pin connector
 - T4aq 4-pin connector
 - T10e 10-pin connector
 - T20 20-pin connector
 - T20f 20-pin connector
 - T28b 28-pin connector, on left B-pillar
 - V1 Sliding sunroof motor
 - V26 Rear left window regulator motor
- (207) Earth connection, in rear left door wiring harness
 - (Q40) Positive connection 3 (58b), in window regulator wiring harness
 - (R19) Positive connection 1 (30), in rear left door wiring harness



Rear central switch for interior locking, Rear left door contact switch, Rear left door control unit, Rear left door lock unit, Rear left door central locking motor, lock



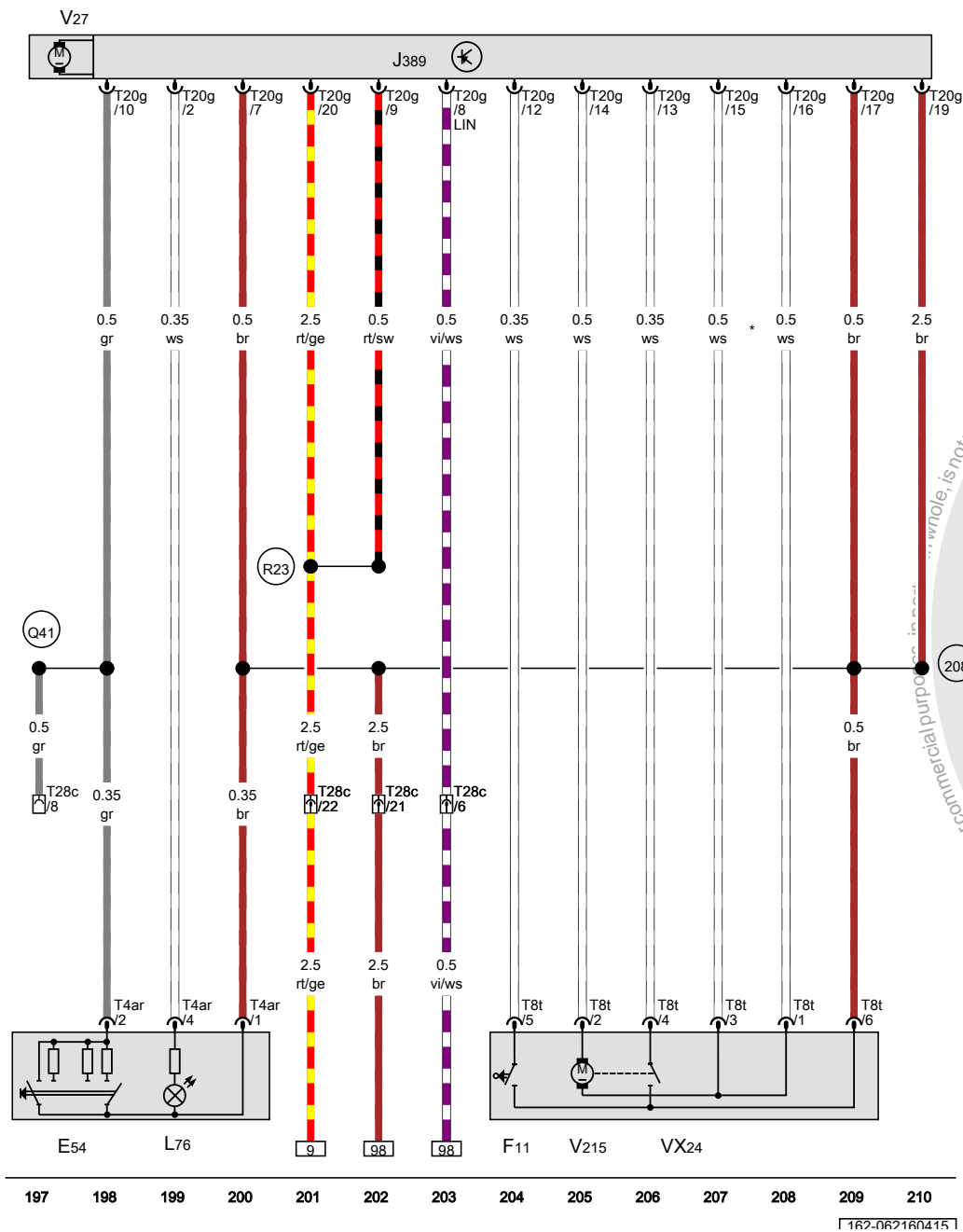
- E286 Rear central switch for interior locking
- F10 Rear left door contact switch
- J388 Rear left door control unit
- L76 Button illumination bulb
- T4bz 4-pin connector
- T8s 8-pin connector
- T20f 20-pin connector
- T28b 28-pin connector, on left B-pillar
- VX23 Rear left door lock unit
- V214 Rear left door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 207 Earth connection, in rear left door wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- * Not for American markets

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Rear right window regulator switch, in door, Rear right door contact switch, Rear right door control unit, Rear right door lock unit, Rear right window regulator motor, Rear right door central locking motor, lock

- E54 Rear right window regulator switch, in door
- F11 Rear right door contact switch
- J389 Rear right door control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T8t 8-pin connector
- T20g 20-pin connector
- T28c 28-pin connector, on right B-pillar
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock
- 208 Earth connection, in rear right door wiring harness
- Q41 Positive connection 4 (58b), in window regulator wiring harness
- R23 Positive connection 1 (30), in rear right door wiring harness
- * Not for American markets



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162-062160415

Airbag systems (US equipment) , (OK0)

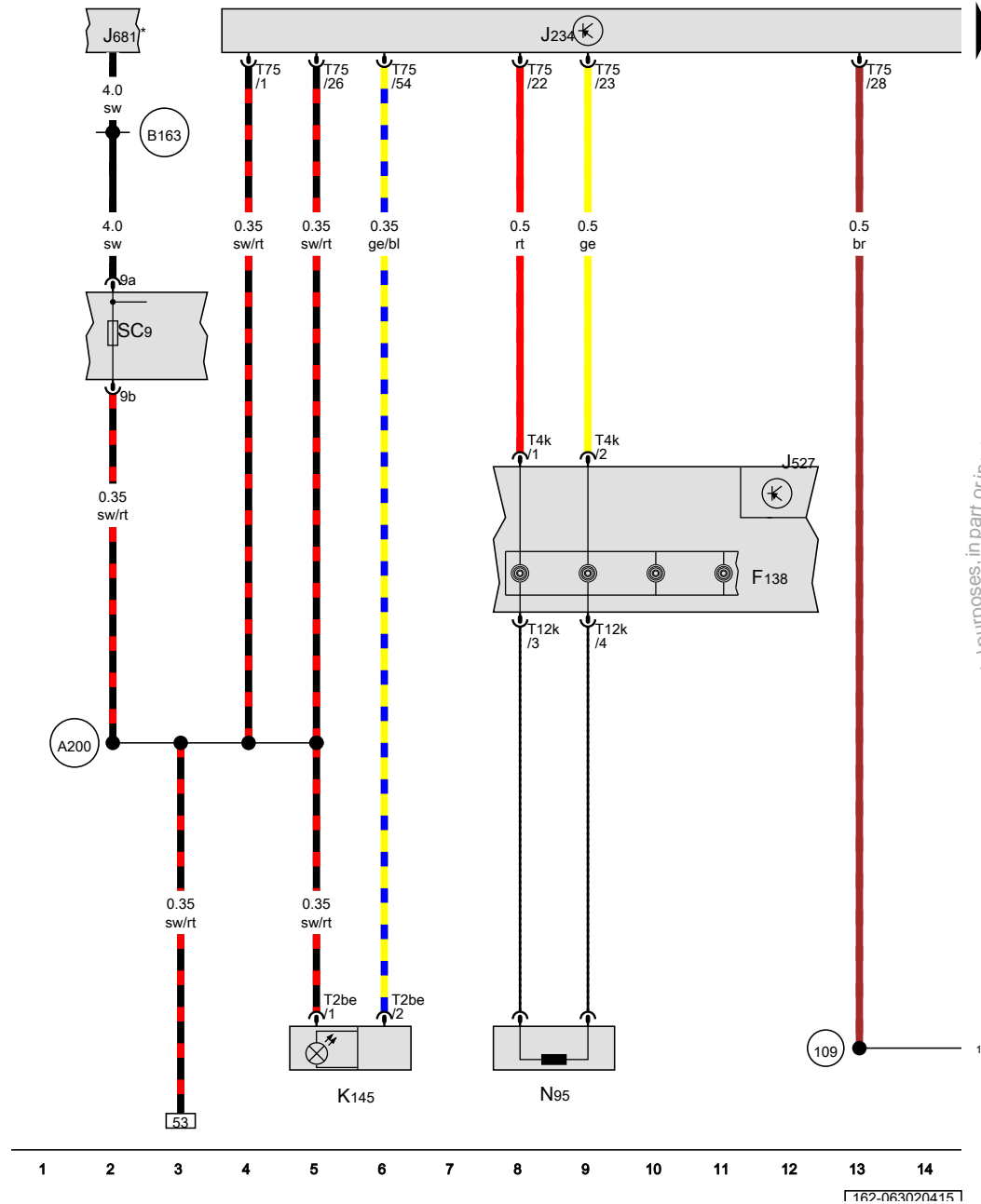
From June 2010



Airbag coil connector and return ring with slip ring, Airbag control unit, Steering column electronics control unit, Front passenger side airbag deactivated warning lamp, Driver side airbag igniter

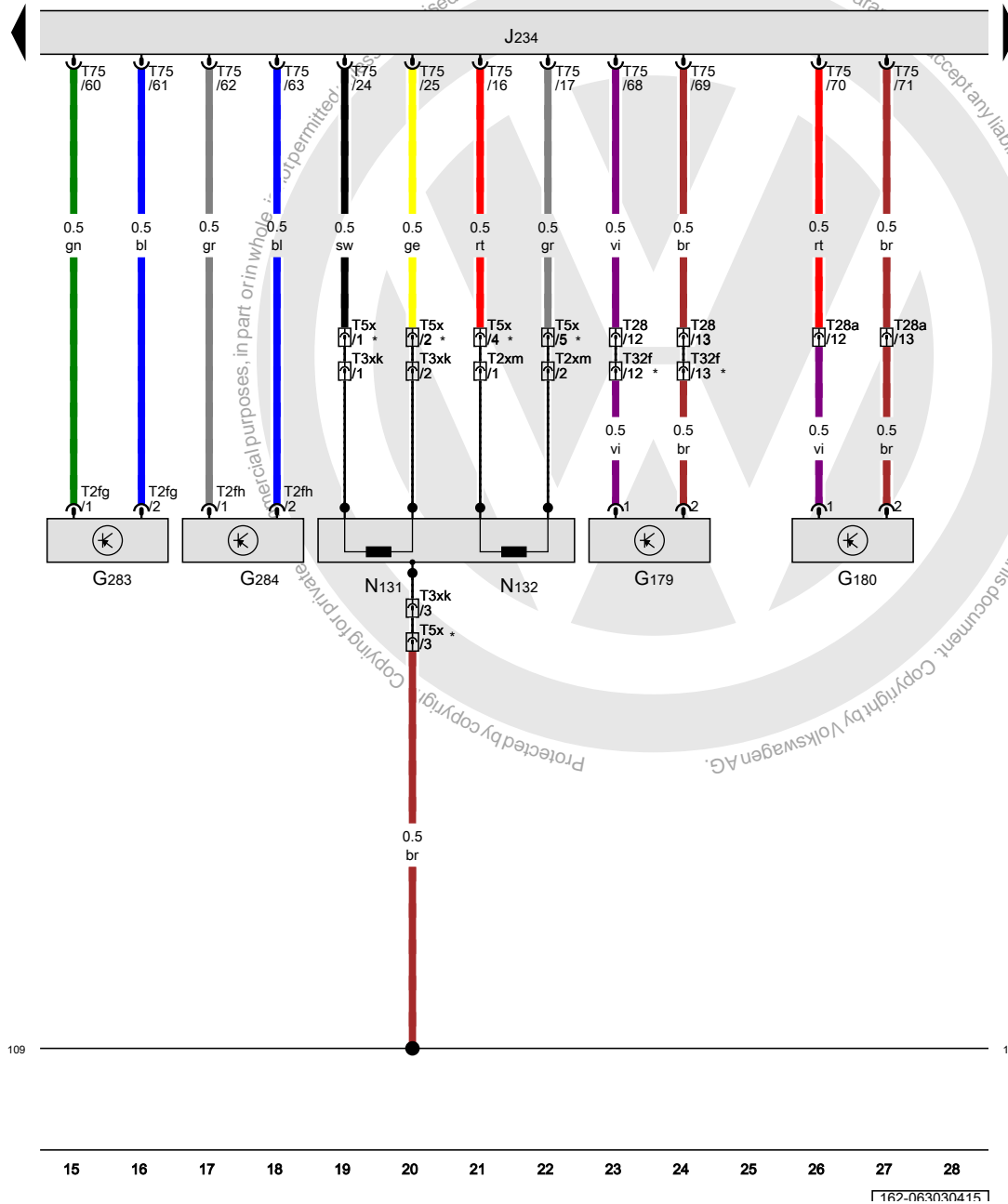
- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- J527 Steering column electronics control unit
- J681 Terminal 15 voltage supply relay 2
- K145 Front passenger side airbag deactivated warning lamp
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- T2be 2-pin connector
- T4k 4-pin connector
- T9f 9-pin connector
- T12k 12-pin connector
- T75 75-pin connector

- 109 Earth connection, in airbag wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * see applicable current flow diagram for basic equipment



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162-063020415



Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Airbag control unit, Front passenger side airbag igniter 1, Front passenger side airbag igniter 2

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G283 Front airbag crash sensor for driver side
- G284 Front airbag crash sensor for front passenger side
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N132 Front passenger side airbag igniter 2
- T2fg 2-pin connector
- T2fh 2-pin connector
- T2xm 2-pin connector
- T3xk 3-pin connector
- T5x 5-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T32f 32-pin connector
- T75 75-pin connector

109 Earth connection, in airbag wiring harness

* According to equipment

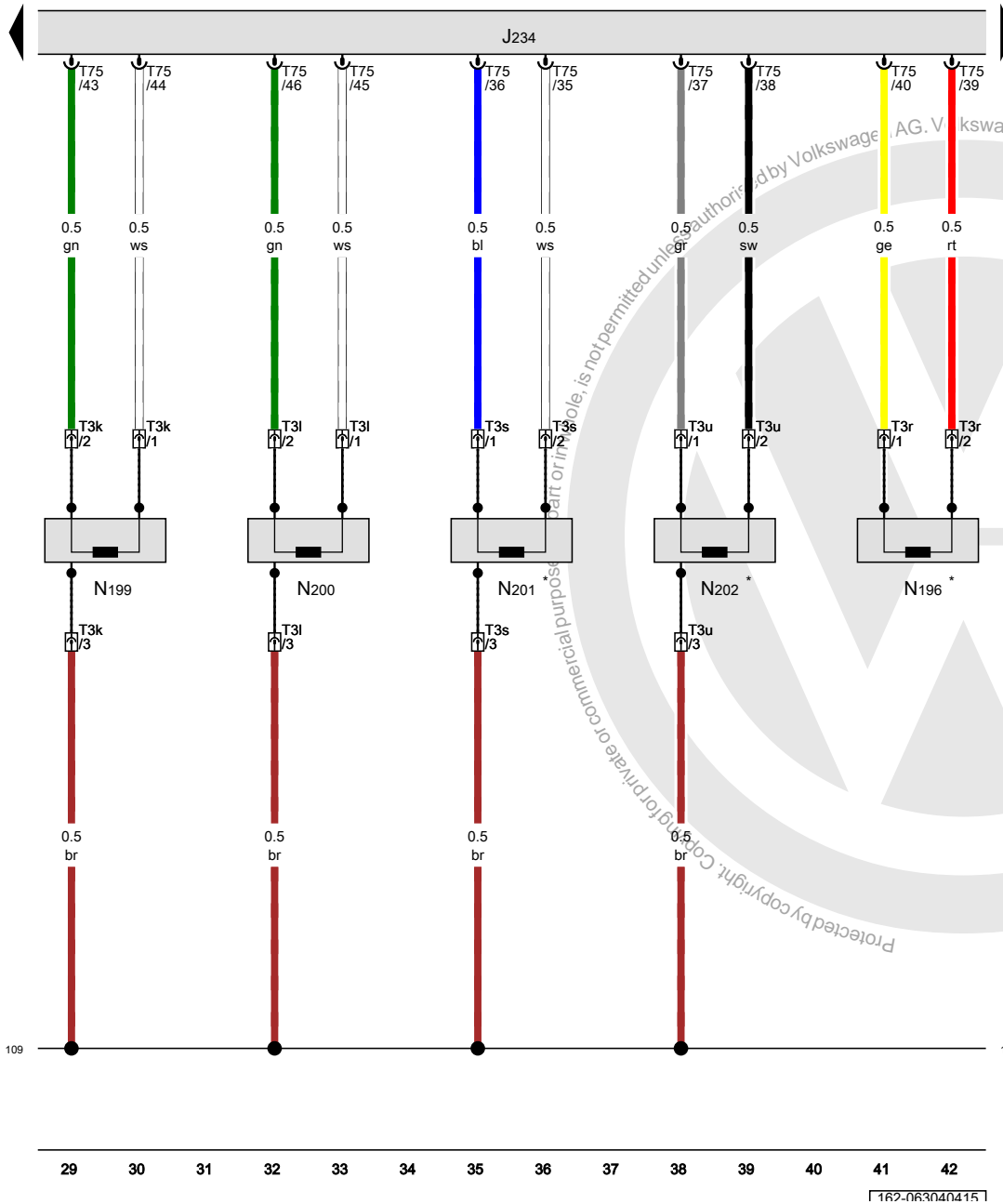
- ws = white
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109

15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-063030415

Airbag control unit, Rear belt tensioner igniter on driver side, Side airbag igniter on front passenger side, Rear side airbag igniter on front passenger side



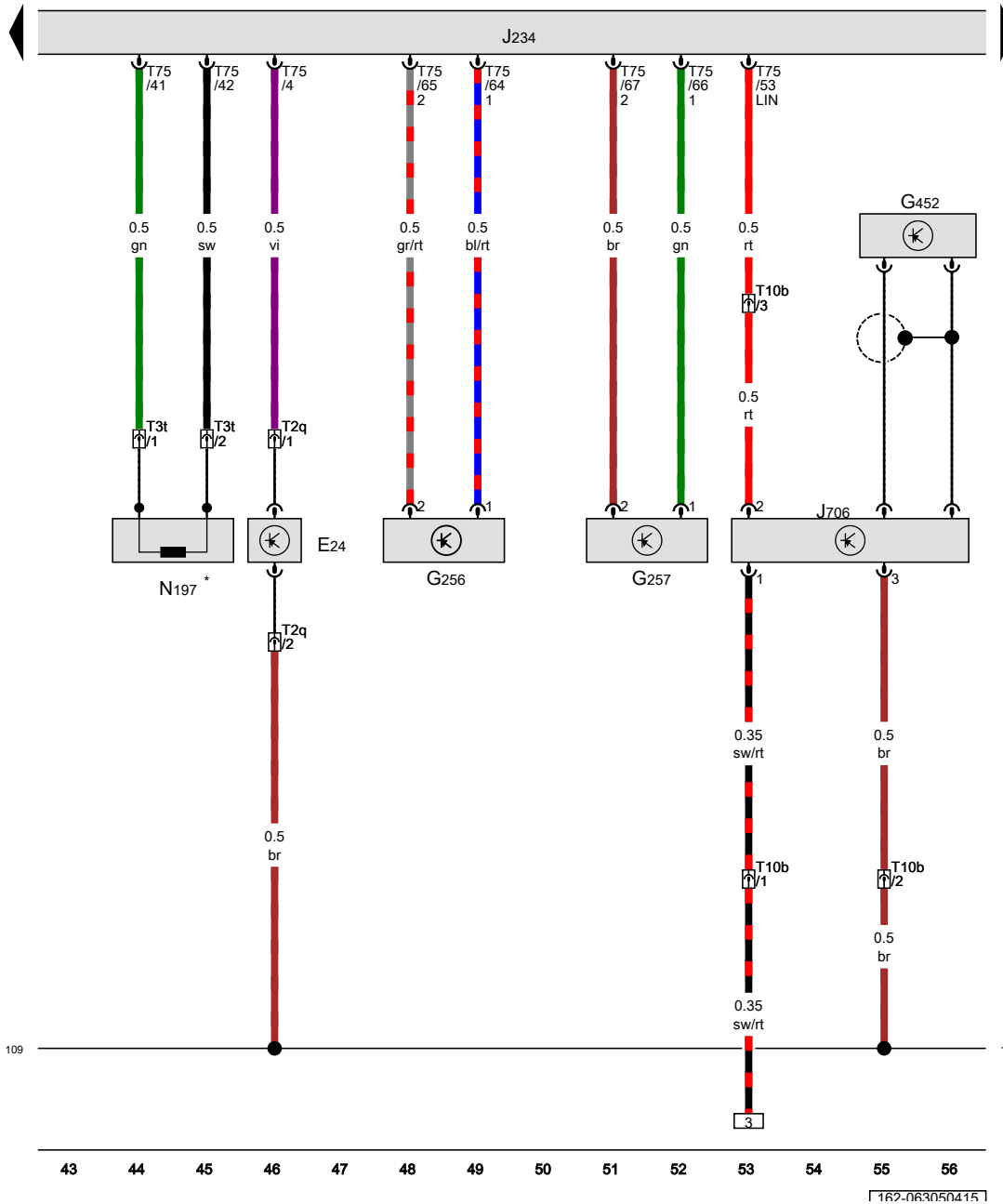
- J234 Airbag control unit
- N196 Rear belt tensioner igniter on driver side
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- N201 Rear side airbag igniter on driver side
- N202 Rear side airbag igniter on front passenger side
- T3k 3-pin connector, under driver seat
- T3l 3-pin connector, under front passenger seat
- T3r 3-pin connector
- T3s 3-pin connector
- T3u 3-pin connector
- T75 75-pin connector

109 Earth connection, in airbag wiring harness

* According to equipment

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- vi = purple
- ge = yellow
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162-063040415



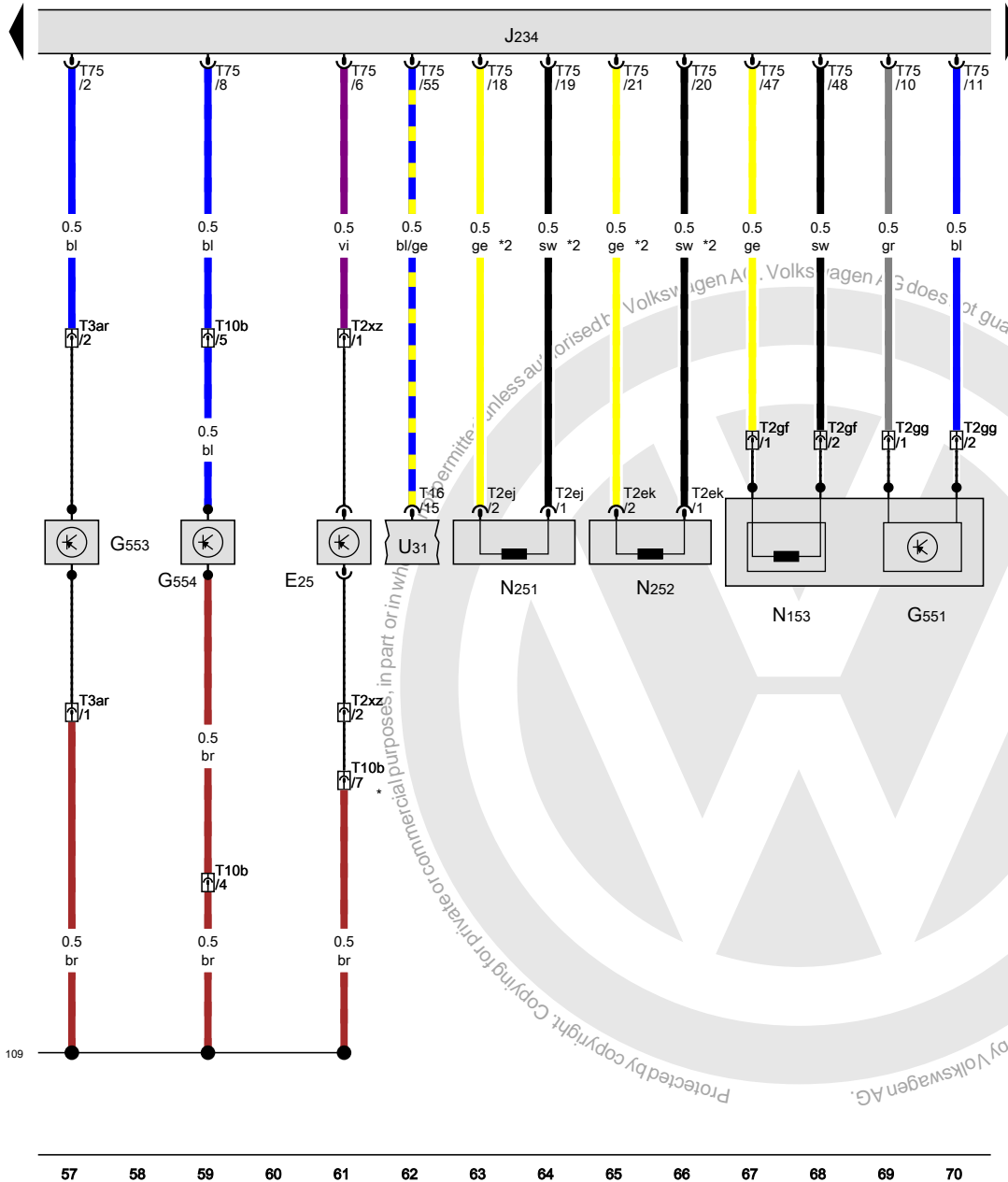
Driver side belt switch, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Pressure sensor for seat occupied recognition, Airbag control unit, Seat occupied recognition control unit, Rear belt tensioner igniter on front passenger side

- E24 Driver side belt switch
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on front passenger side
- G452 Pressure sensor for seat occupied recognition
- J234 Airbag control unit
- J706 Seat occupied recognition control unit
- N197 Rear belt tensioner igniter on front passenger side
- T2q 2-pin connector, under driver seat
- T3t 3-pin connector
- T10b 10-pin connector
- T75 75-pin connector

- 109 Earth connection, in airbag wiring harness
- * According to equipment

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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-063050415



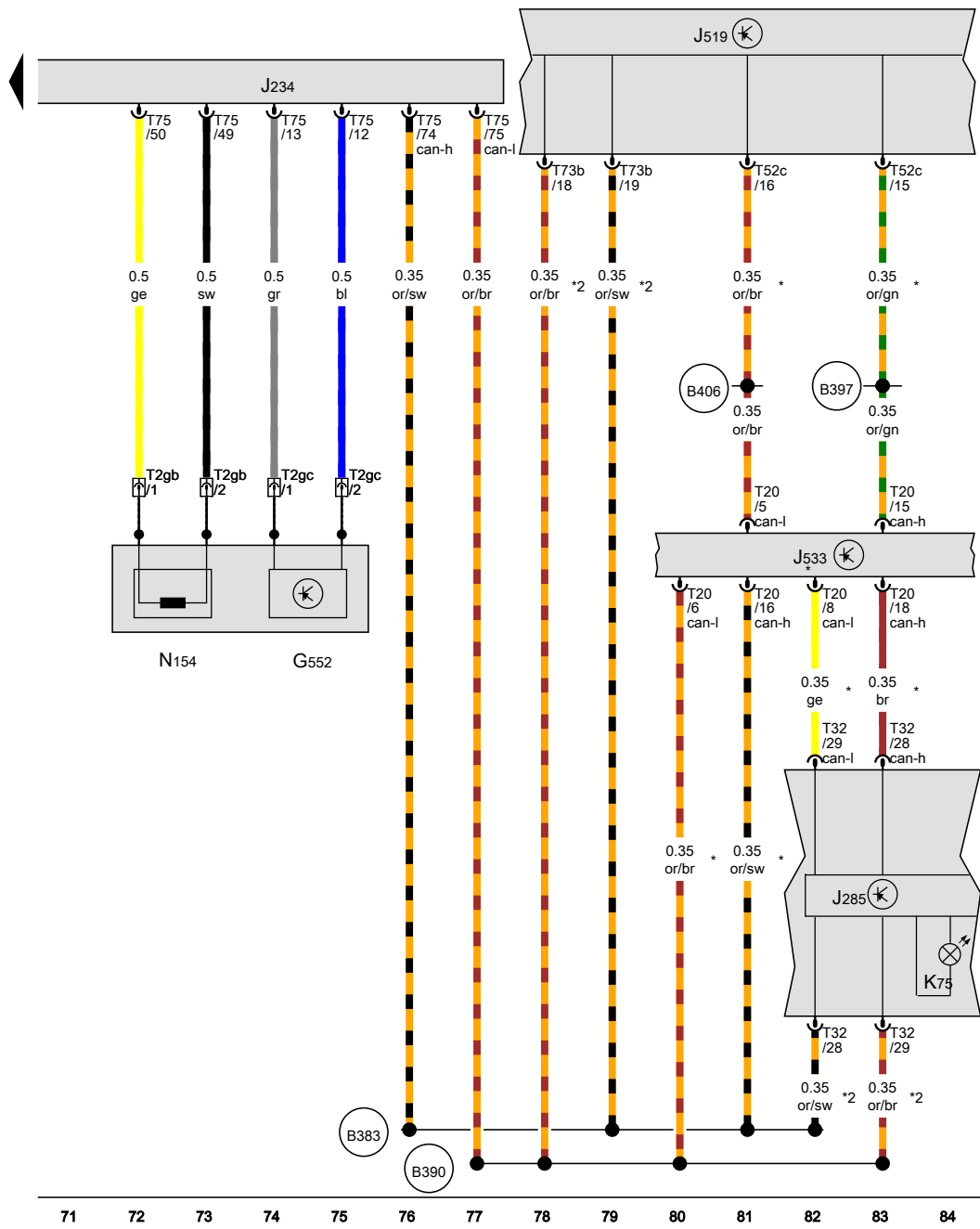
Front passenger side belt switch, Driver side belt force limiter, Driver side seat position sensor, Front passenger side seat position sensor, Airbag control unit, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- E25 Front passenger side belt switch
- G551 Driver side belt force limiter
- G553 Driver side seat position sensor
- G554 Front passenger side seat position sensor
- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ej 2-pin connector
- T2ek 2-pin connector
- T2gf 2-pin connector
- T2gg 2-pin connector
- T2xz 2-pin connector, under front passenger seat
- T3ar 3-pin connector
- T10b 10-pin connector
- T16 16-pin connector
- T75 75-pin connector
- U31 Diagnostic connection

109 Earth connection, in airbag wiring harness

- * According to equipment
- *2 Wiring colour depends on equipment

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- ge = yellow
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Front passenger side belt force limiter, Airbag control unit, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Airbag warning lamp

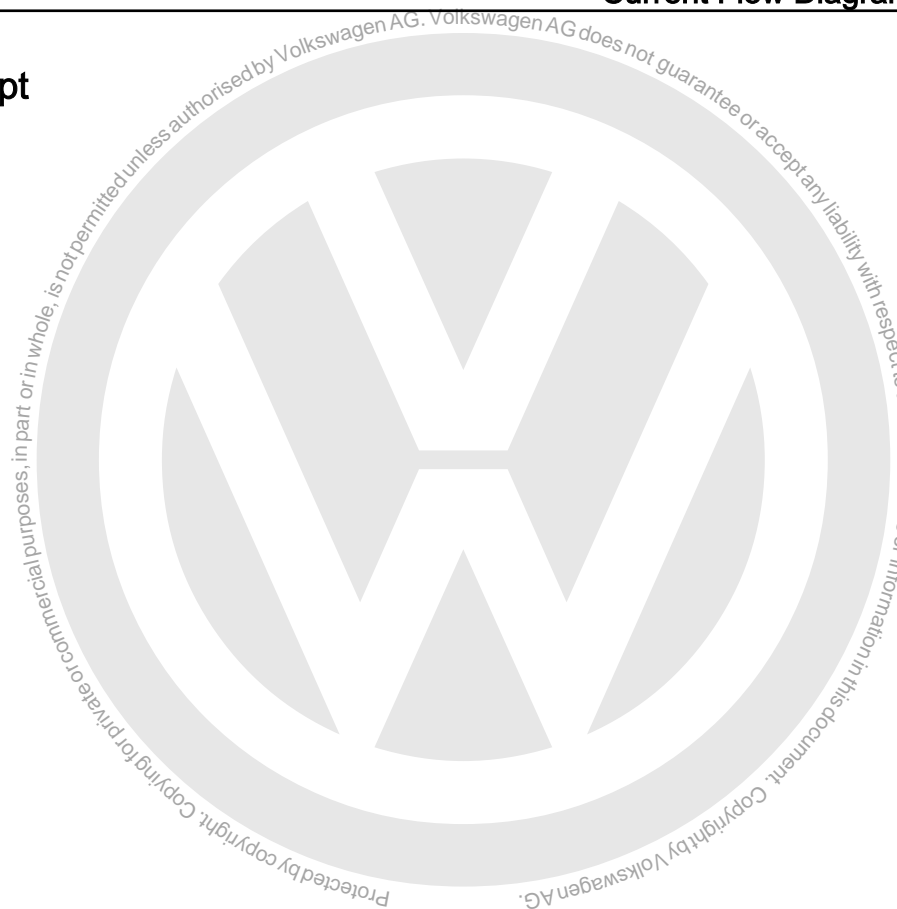
- G552 Front passenger side belt force limiter
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K75 Airbag warning lamp
- N154 Front passenger seat belt tensioner igniter 1
- T2gb 2-pin connector
- T2gc 2-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T73b 73-pin connector
- T75 75-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

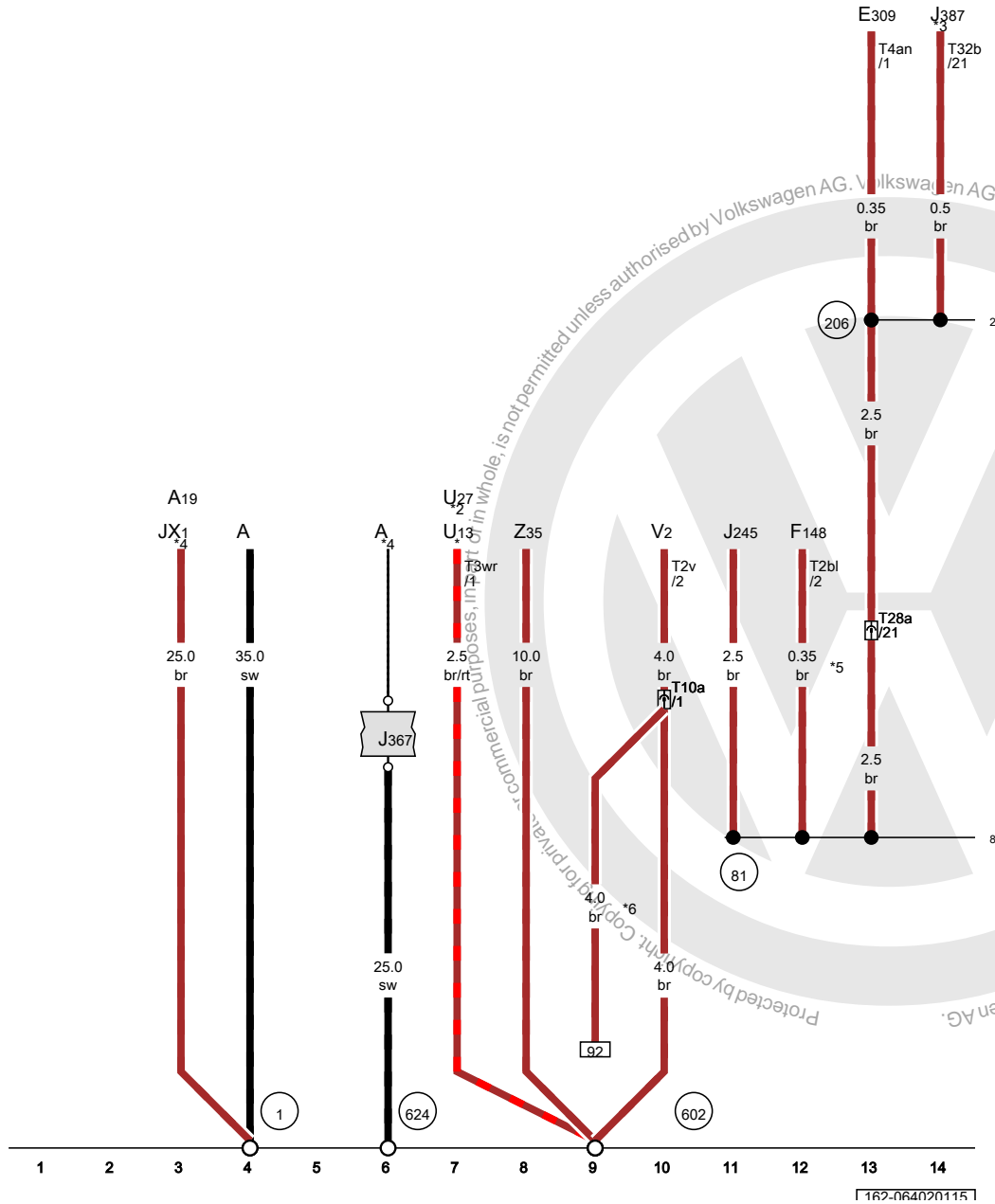
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Earthing concept

From October 2011



Earth strap, battery - body, Earth point, in front left footwell



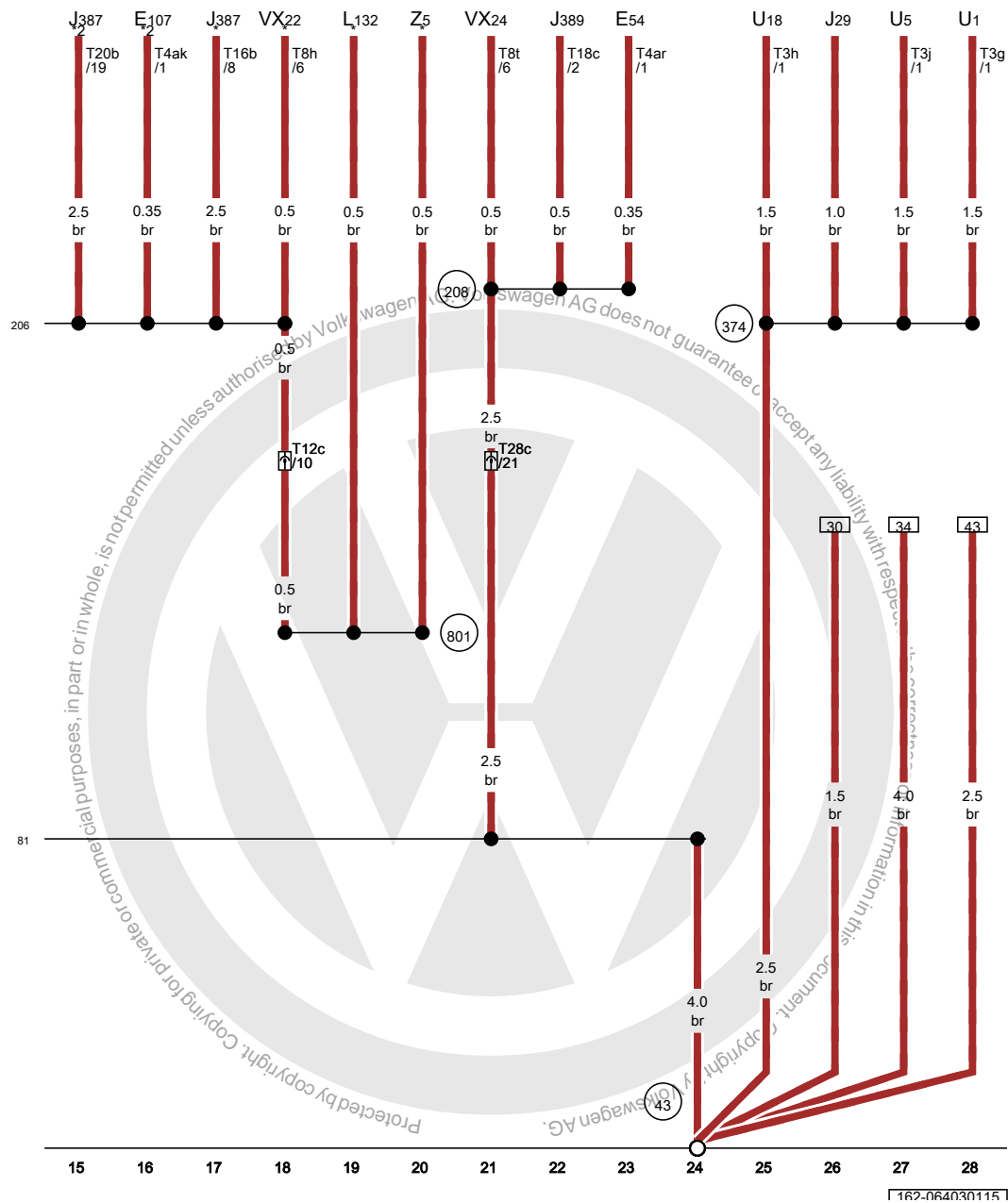
- A Battery
- A19 Voltage converter
- E309 Front passenger side interior locking button for central locking system
- F148 Front passenger vanity mirror contact switch
- JX1 Power and control electronics for electric drive
- J245 Sliding sunroof adjustment control unit
- J367 Battery monitor control unit
- J387 Front passenger door control unit
- T2bl 2-pin connector
- T2v 2-pin connector
- T3wr 3-pin connector
- T4an 4-pin connector
- T10a 10-pin connector, behind glove compartment
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32b 32-pin connector
- U13 DC/AC converter with socket, 12 V - 230 V
- U27 DC/AC converter with socket, 12 V - 115 V
- V2 Fresh air blower
- Z35 Auxiliary air heater element

- 1 Earth strap, battery - body
- 81 Earth connection 1, in dash panel wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 602 Earth point, in front left footwell
- 624 Earth point, starter battery

- Not for American markets
- *2 Only for American markets
- *3 Only models with "High" equipment (AW1)
- *4 Only models with hybrid drive system
- *5 Cross section depends on equipment
- *6 Only right-hand drive models

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Earth point, lower part of right A-pillar, Earth connection, in rear right door wiring harness



- E54 Rear right window regulator switch, in door
- E107 Window regulator switch in front passenger door
- J29 Blocking diode, in interior wiring harness
- J387 Front passenger door control unit
- J389 Rear right door control unit
- L132 Front passenger side turn signal repeater bulb
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T4ak 4-pin connector
- T4ar 4-pin connector
- T8h 8-pin connector
- T8t 8-pin connector
- T12c 12-pin connector, in front passenger door
- T16b 16-pin connector
- T18c 18-pin connector
- T20b 20-pin connector
- T28c 28-pin connector, lower part of B-pillar, front passenger side
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- VX22 Front passenger door lock unit
- VX24 Rear right door lock unit
- Z5 Heated exterior mirror on front passenger side

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 208 Earth connection, in rear right door wiring harness
- 374 Earth connection 9, in main wiring harness
- 801 Earth connection 2, in external mirror wiring harness, in left door, near exterior mirror
- * Only models with "Low" equipment (AW0)
- *2 Only models with "High" equipment (AW1)

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

162-064030115

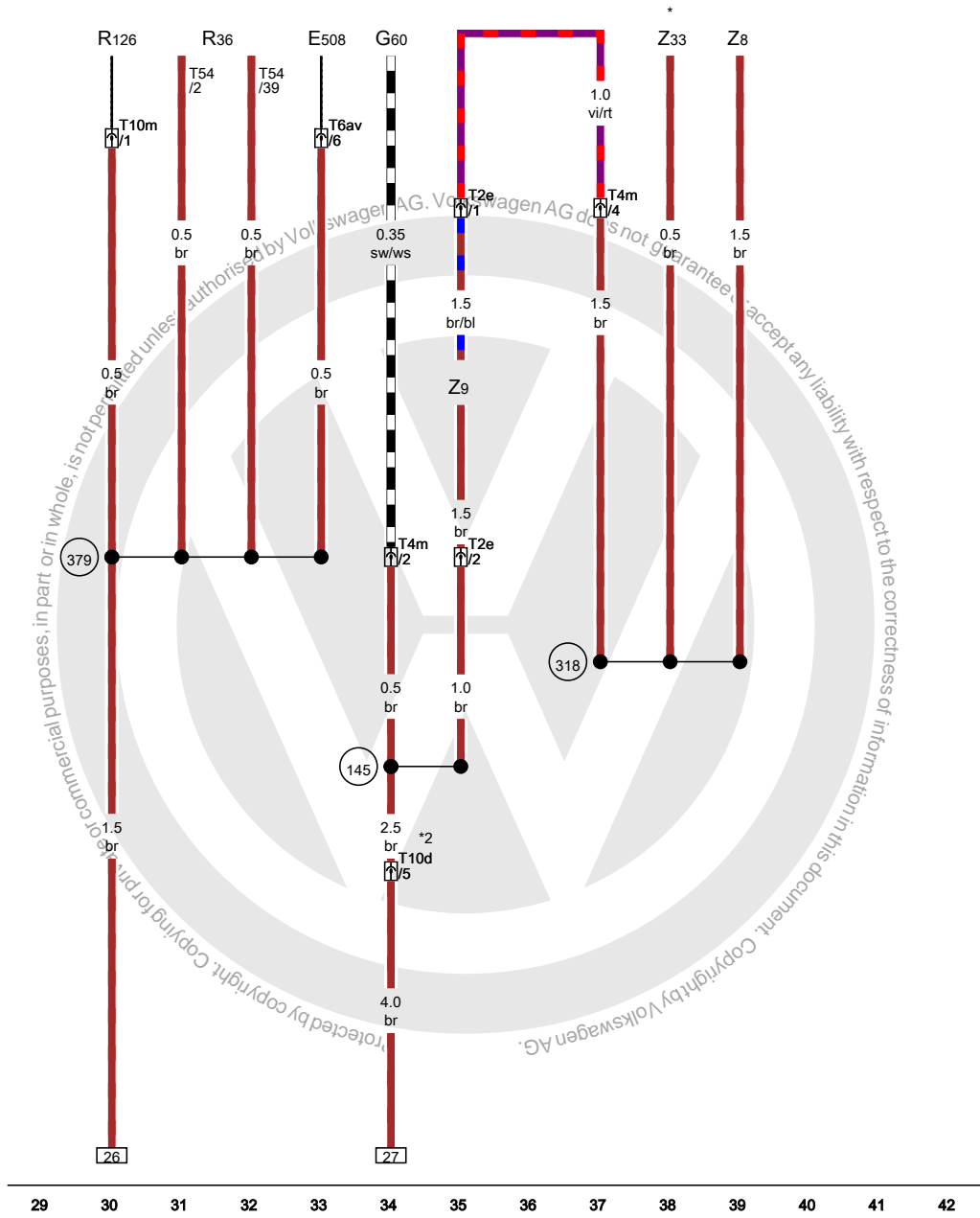
Earth connection 3, in seat heating wiring harness, Earth connection 4, in seat heating wiring harness, Earth connection 14, in main wiring harness

- E508 Operating unit for preparation for mobile telephone
- G60 Front passenger seat temperature sensor
- R36 Telephone transmitter and receiver unit
- R126 Telephone bracket
- T2e 2-pin connector, in seat
- T4m 4-pin connector, in seat
- T6av 6-pin connector
- T10d 10-pin connector, under front passenger seat
- T10m 10-pin connector
- T54 54-pin connector
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- Z33 Front passenger seat lateral support heater

- 145 Earth connection 3, in seat heating wiring harness
- 318 Earth connection 4, in seat heating wiring harness
- 379 Earth connection 14, in main wiring harness

* Gradually discontinued
 *2 Cross section depends on equipment

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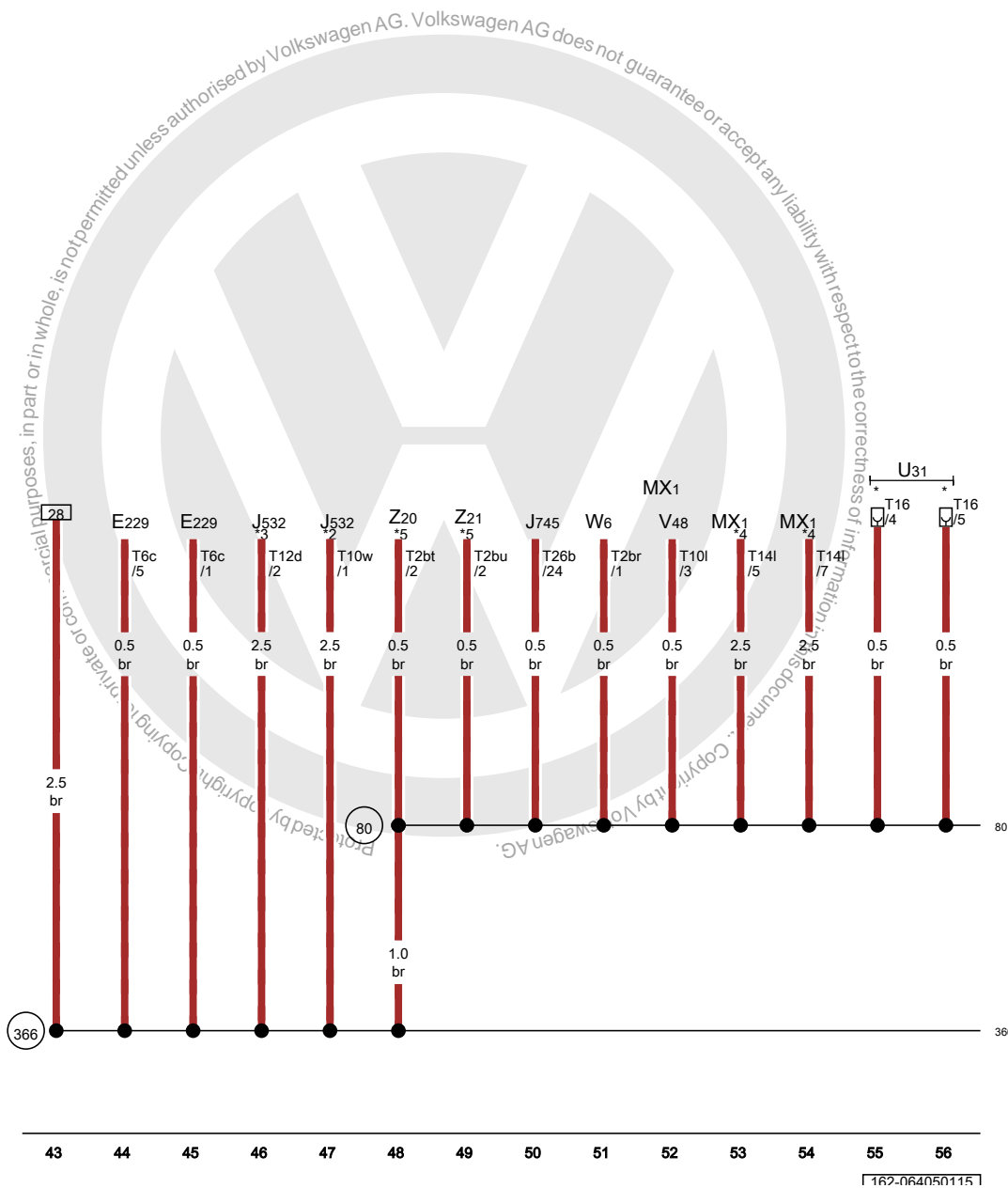
Diagnostic connection, Earth connection 1, in main wiring harness

- E229 Hazard warning lights button
- J532 Voltage stabiliser
- J745 Control unit for cornering light and headlight range control
- MX1 Front left headlight
- T2br 2-pin connector
- T2bt 2-pin connector
- T2bu 2-pin connector
- T6c 6-pin connector
- T10l 10-pin connector
- T10w 10-pin connector
- T12d 12-pin connector
- T14l 14-pin connector
- T16 16-pin connector
- T26b 26-pin connector
- U31 Diagnostic connection, near lower part of left A-pillar
- V48 Left headlight range control motor
- W6 Glove compartment light
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

80 Earth connection 1, in dash panel wiring harness

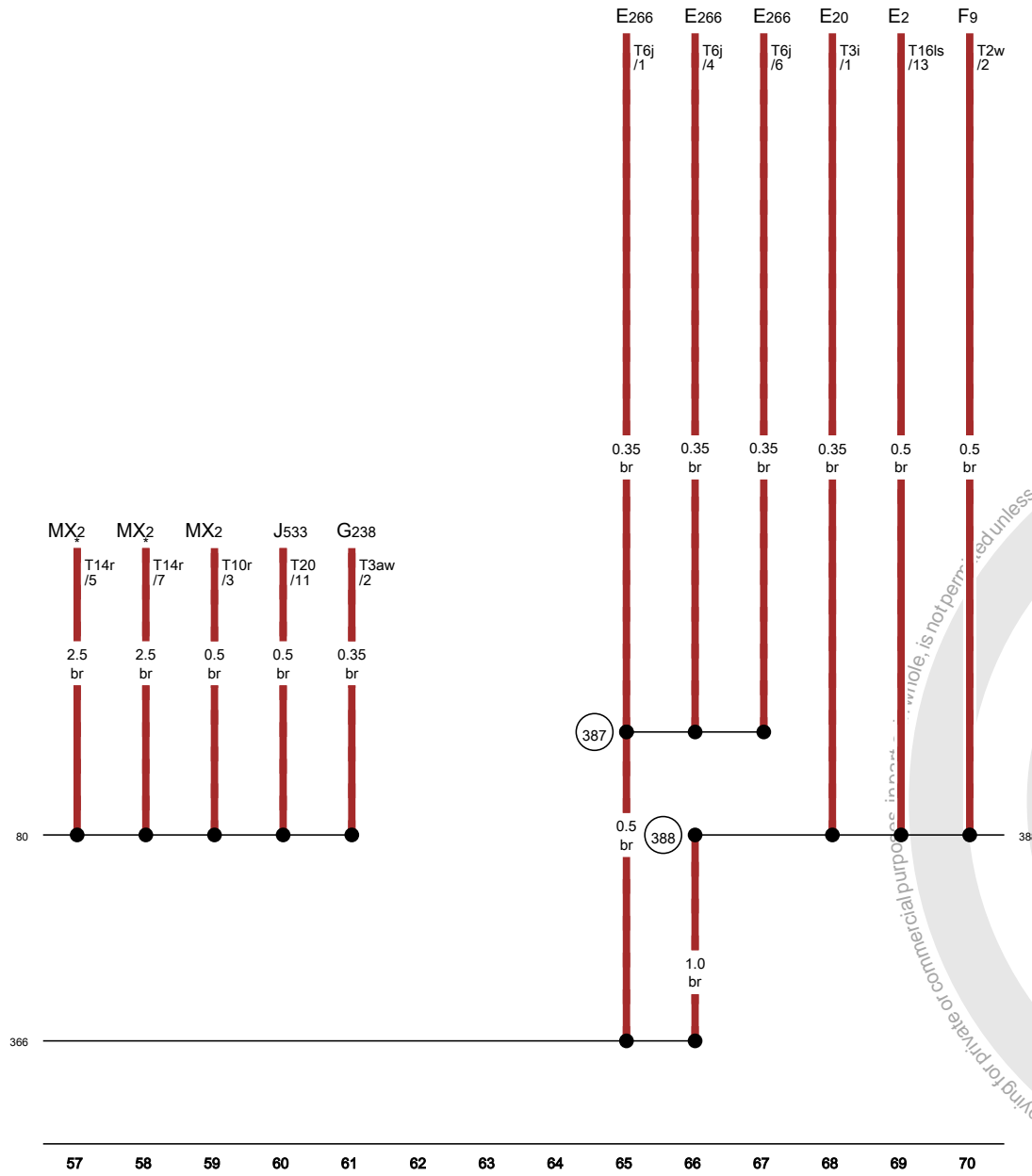
366 Earth connection 1, in main wiring harness

- * Diagnostic connection
- *2 Gradually discontinued
- *3 gradual introduction
- *4 Headlight with gas discharge light
- *5 From June 2013



[162-064050115]

Earth connection 1, in main wiring harness, Earth connection 23, in main wiring harness



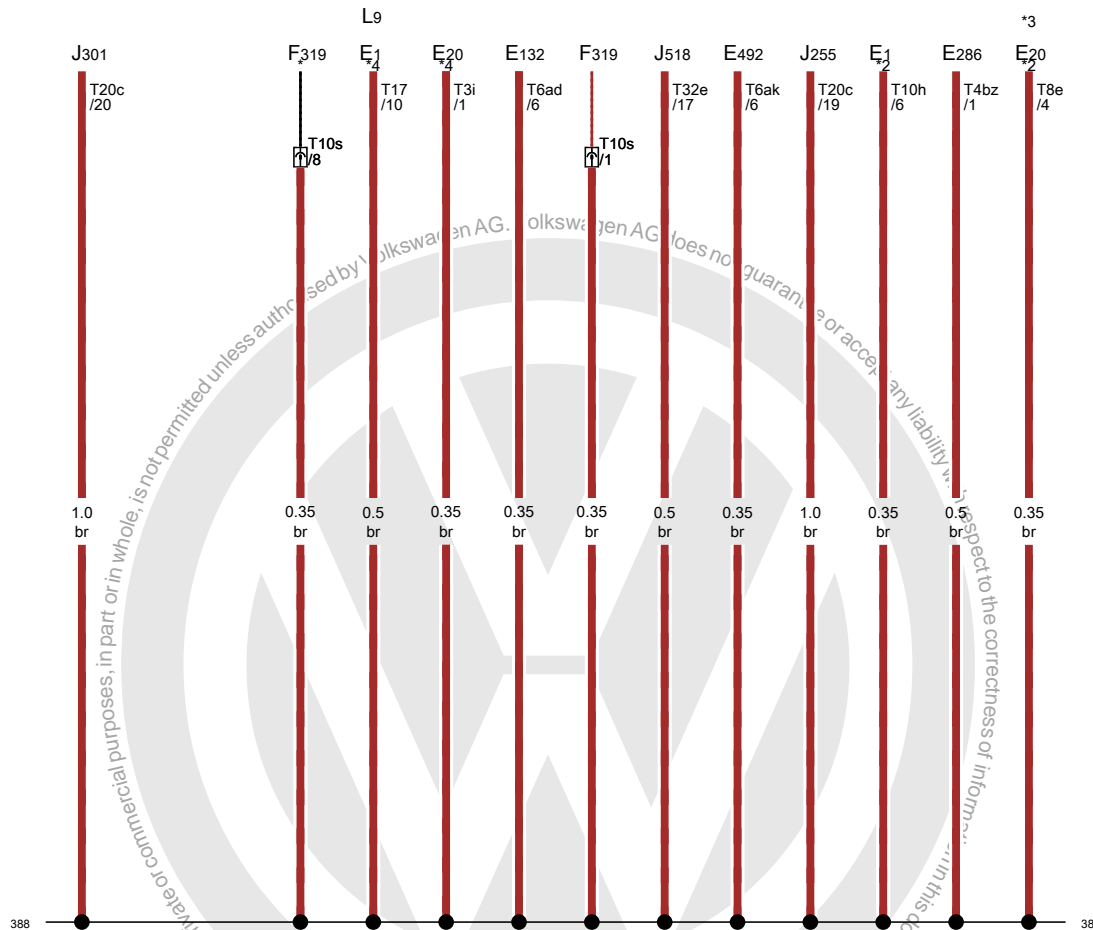
- E2 Turn signal switch
- E20 Switch and instrument illumination regulator
- E266 Parking aid button
- F9 Handbrake warning switch
- G238 Air quality sensor
- J533 Data bus diagnostic interface
- MX2 Front right headlight
- T2w 2-pin connector
- T3aw 3-pin connector
- T3i 3-pin connector
- T6j 6-pin connector
- T10r 10-pin connector
- T14r 14-pin connector
- T16ls 16-pin connector
- T20 20-pin connector

- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- * Headlight with gas discharge light

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- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-0640601151

Earth connection 23, in main wiring harness

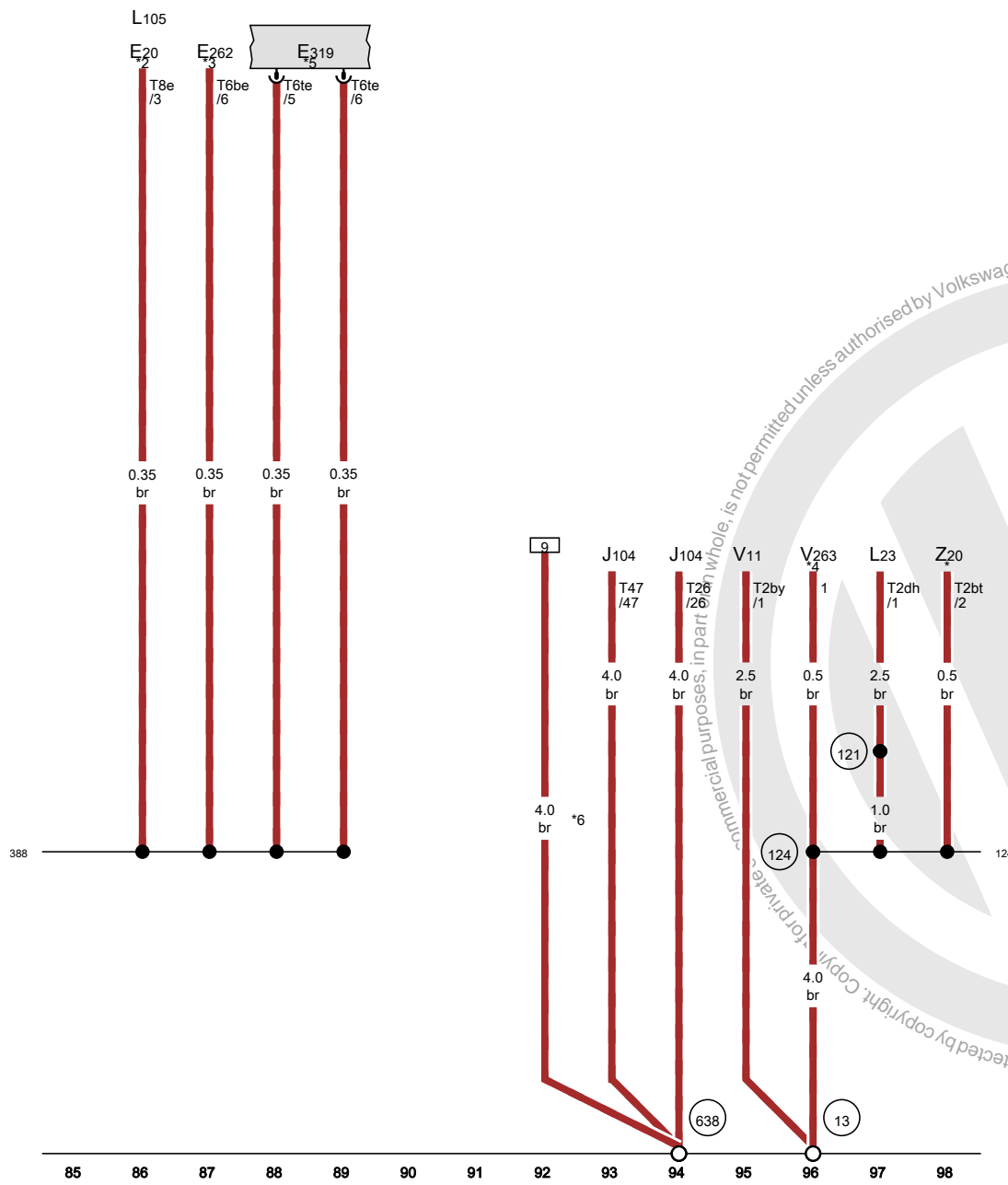


- E1 Light switch
- E20 Switch and instrument illumination regulator
- E132 Traction control system switch
- E286 Rear central switch for interior locking
- E492 Tyre Pressure Loss Indicator button
- F319 Selector lever locked in position P switch
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J518 Entry and start authorisation control unit
- L9 Light switch illumination bulb
- T3i 3-pin connector
- T4bz 4-pin connector
- T6ad 6-pin connector
- T6ak 6-pin connector
- T8e 8-pin connector
- T10h 10-pin connector
- T10s 10-pin connector
- T17 17-pin connector
- T20c 20-pin connector
- T32e 32-pin connector

388 Earth connection 23, in main wiring harness

- * Not for models with dual clutch gearbox
- *2 Only models with "High" equipment (AW1)
- *3 According to equipment
- *4 Only models with "Low" equipment (AW0)

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- ge = yellow
- or = orange
- rs = pink



Earth point, on right in engine compartment, Earth connection 23, in main wiring harness, Earth point, on right A-pillar

- E20 Switch and instrument illumination regulator
- E262 Start/Stop operation switch
- E319 Fuel tank flap release button
- J104 ABS control unit
- L23 Right fog light bulb
- L105 Illumination regulator illumination bulb
- T2bt 2-pin connector
- T2by 2-pin connector
- T2dh 2-pin connector
- T6be 6-pin connector
- T6te 6-pin connector
- T8e 8-pin connector
- T26 26-pin connector
- T47 47-pin connector
- V11 Headlight washer system pump
- V263 Fuel pump for cold start
- Z20 Left washer jet heater element

- 13 Earth point, on right in engine compartment
- 121 Earth connection 2, in front right wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 388 Earth connection 23, in main wiring harness
- 638 Earth point, on right A-pillar

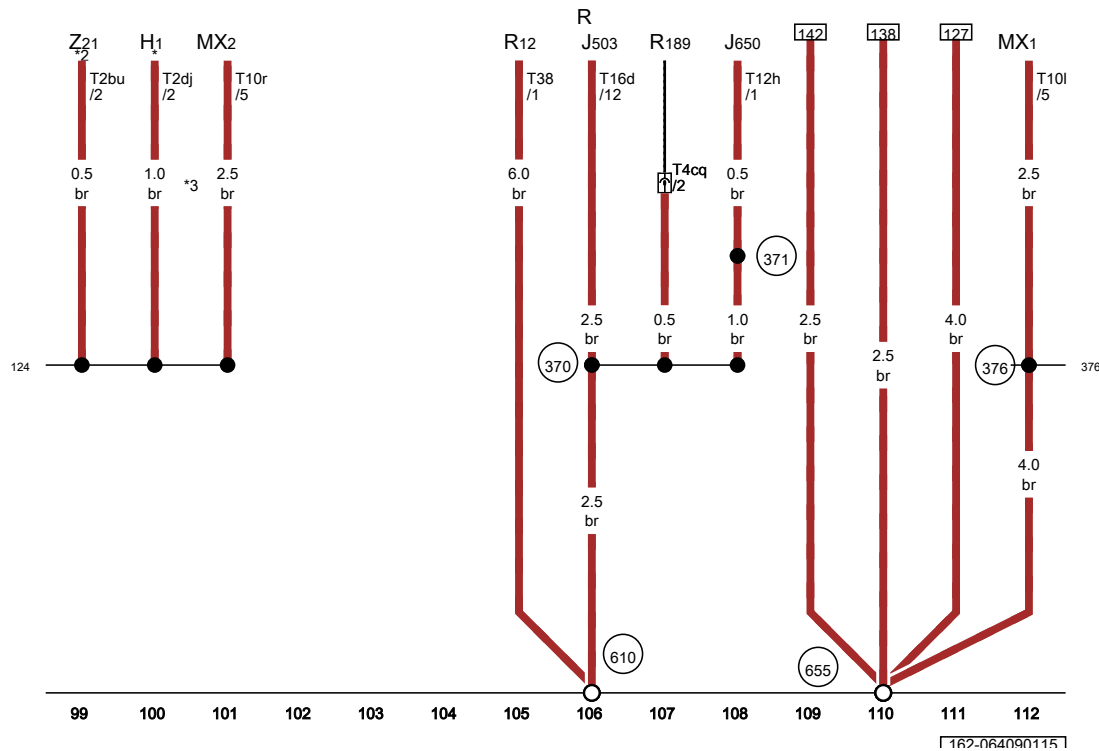
- * Up to May 2013
- *2 Only models with "High" equipment (AW1)
- *3 Only models with start/stop system
- *4 see applicable current flow diagram for engine
- *5 Only models with hybrid drive system
- *6 Only right-hand drive models

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162-064080115

Earth point (audio), front below centre console, Earth point, on left headlight

- H1 Horn or dual tone horn
- J503 Control unit with display for radio and navigation
- J650 Multimedia system control unit
- MX1 Front left headlight
- MX2 Front right headlight
- R Radio
- R12 Amplifier
- R189 Reversing camera
- T2bu 2-pin connector
- T2dj 2-pin connector
- T4cq 4-pin connector
- T10l 10-pin connector
- T10r 10-pin connector
- T12h 12-pin connector
- T16d 16-pin connector
- T38 38-pin connector
- Z21 Right washer jet heater element
- 124 Earth connection, in right side engine compartment wiring harness
- 370 Earth connection 5, in main wiring harness
- 371 Earth connection 6, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 610 Earth point (audio), front below centre console
- 655 Earth point, on left headlight
- * Only models with dual tone horn
- *2 Up to May 2013
- *3 Cross-section 1.5 possible



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- vi = purple
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- rs = pink

162-064090115

Earth connection 3, in engine compartment wiring harness

- AX1 Hybrid battery unit
- F34 Brake fluid level warning contact
- F266 Bonnet contact switch
- G266 Oil level and oil temperature sender
- J179 Automatic glow period control unit
- J400 Wiper motor control unit
- J842 Control unit for air conditioning compressor
- L22 Left fog light bulb
- N280 Air conditioner compressor regulating valve
- T2ap 2-pin connector
- T2dg 2-pin connector
- T2m 2-pin connector
- T2n 2-pin connector, on left in engine compartment near headlight
- T4p 4-pin connector
- T4t 4-pin connector, near starter
- T6z 6-pin connector, near E-box
- T8ay 8-pin connector
- T11a 11-pin connector
- T14ax 14-pin connector
- T14hy 14-pin connector, black

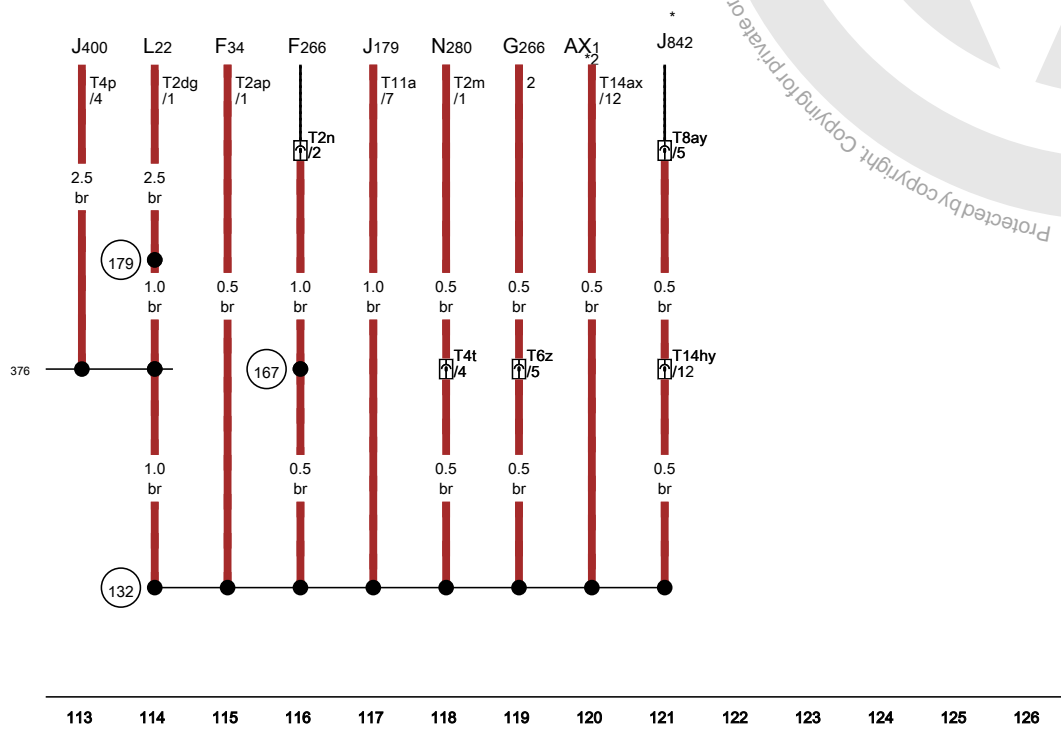
132 Earth connection 3, in engine compartment wiring harness

167 Earth connection 4, in engine compartment wiring harness

179 Earth connection, in left headlight wiring harness

376 Earth connection 11, in main wiring harness

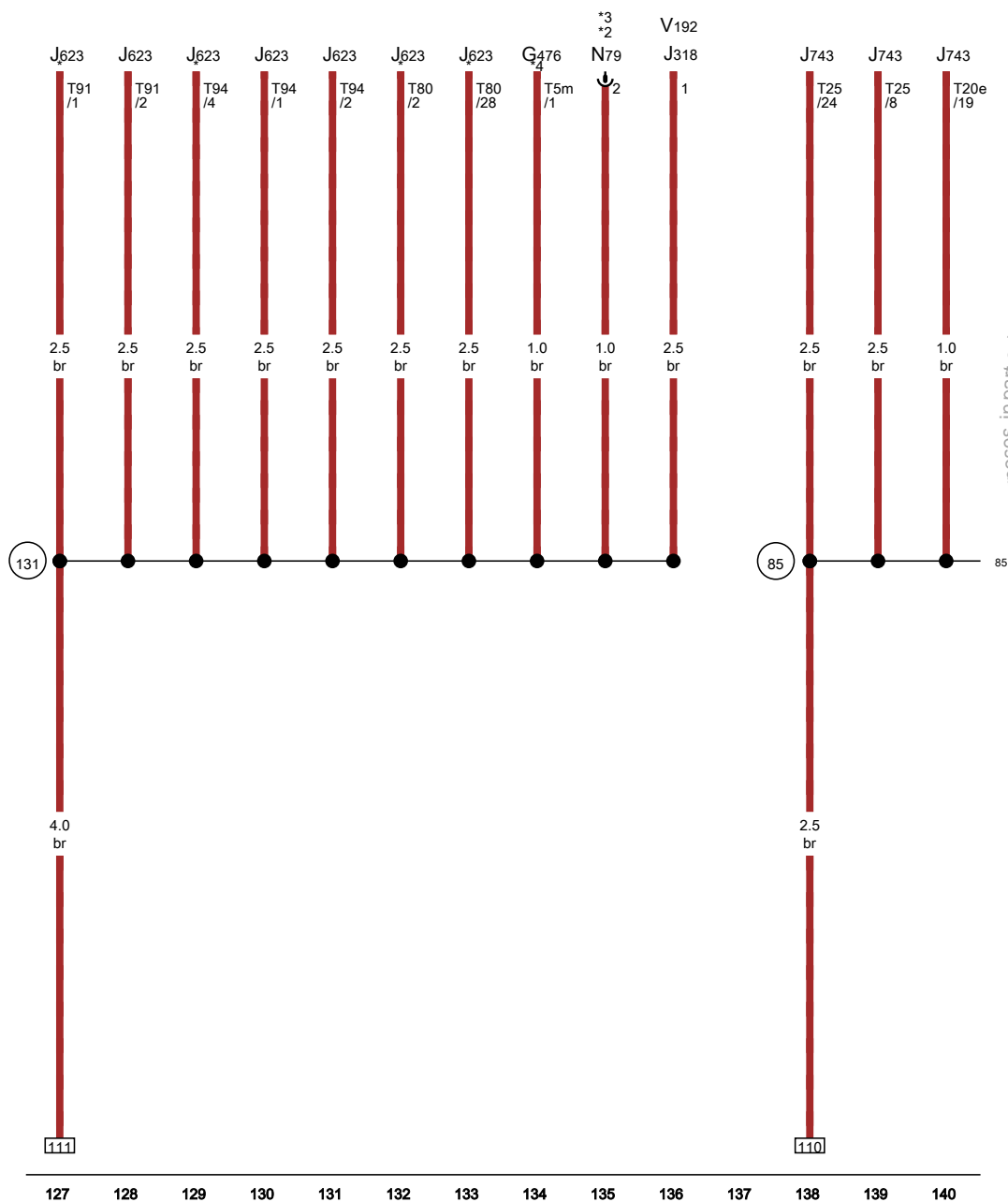
- * Only models with hybrid drive system
- *2 see applicable current flow diagram for engine



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

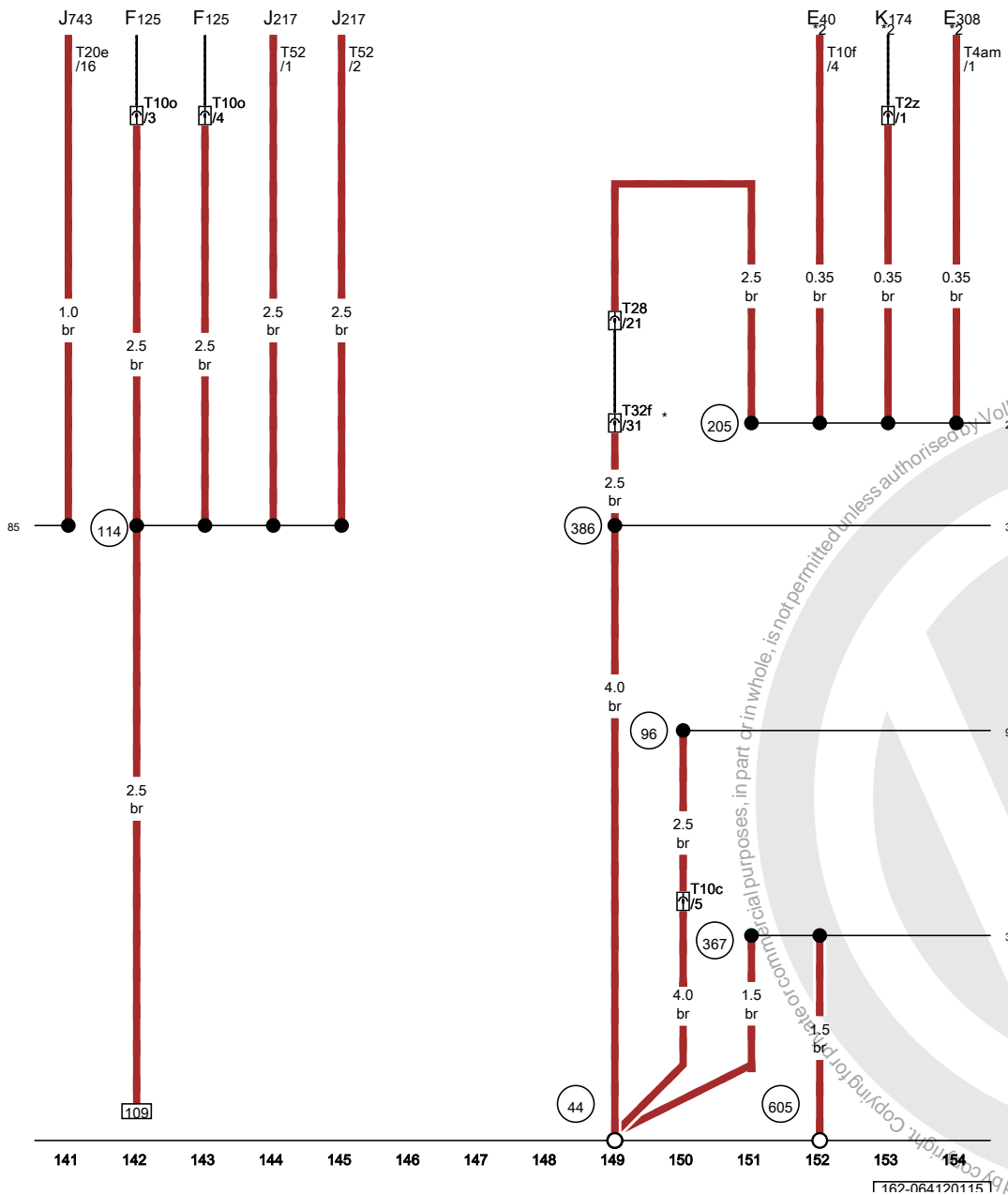
162-064100115

**Earth connection 1, in engine compartment wiring harness,
Earth connection 2, in engine compartment wiring harness**



- G476 Clutch position sender
 - J318 Vacuum pump relay
 - J623 Engine control unit
 - J743 Mechatronic unit for dual clutch gearbox
 - N79 Heater element for crankcase breather
 - T5m 5-pin connector
 - T20e 20-pin connector
 - T25 25-pin connector
 - T80 80-pin connector
 - T91 91-pin connector
 - T94 94-pin connector
 - V192 Vacuum pump for brakes
- 85 Earth connection 1, in engine compartment wiring harness
 - 131 Earth connection 2, in engine compartment wiring harness
- * see applicable current flow diagram for engine
 - *2 Only models with 1.6l engine
 - *3 Only models with diesel engine
 - *4 Only models with start/stop system

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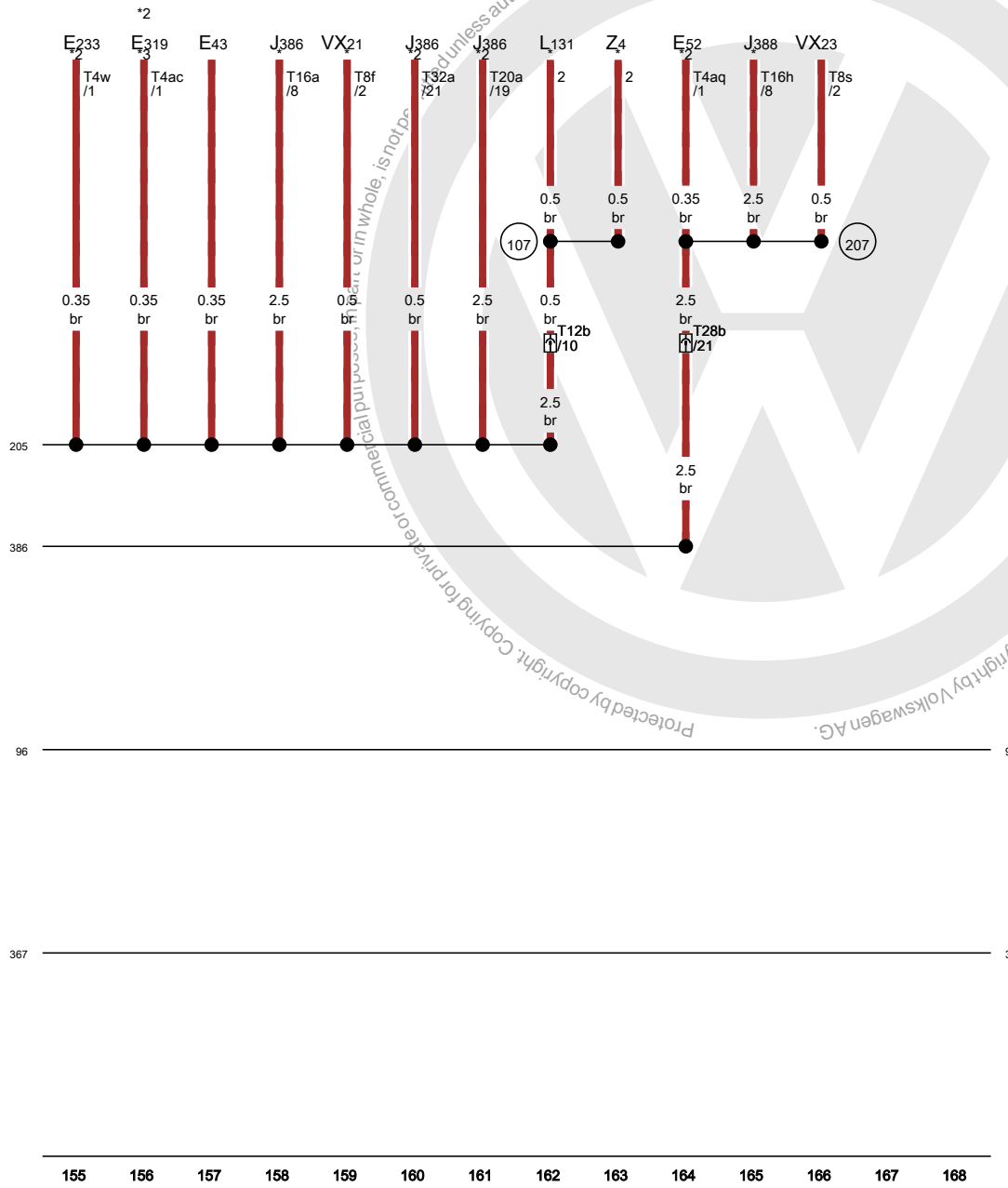
Earth point, lower part of left A-pillar, Earth connection 1, in engine compartment wiring harness, Earth connection 1, in seat heating wiring harness, Earth connection, in driver door wiring harness, Earth connection 2, in main wiring harness, Earth connection 21, in main wiring harness, Earth point, on top end of steering column

- E40 Front left window regulator switch
- E308 Driver side interior locking button for central locking system
- F125 Multifunction switch
- J217 Automatic gearbox control unit
- J743 Mechatronic unit for dual clutch gearbox
- K174 Driver side interior locking warning lamp
- T2z 2-pin connector
- T4am 4-pin connector
- T10c 10-pin connector, under seat on front left
- T10f 10-pin connector
- T10o 10-pin connector
- T20e 20-pin connector
- T28 28-pin connector, on lower section of left A-pillar
- T32f 32-pin connector, on lower section of left A-pillar
- T52 52-pin connector

- 44 Earth point, lower part of left A-pillar
- 85 Earth connection 1, in engine compartment wiring harness
- 96 Earth connection 1, in seat heating wiring harness
- 114 Earth connection, in automatic gearbox wiring harness
- 205 Earth connection, in driver door wiring harness
- 367 Earth connection 2, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column

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- ro = red
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- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

* Only models with "Low" equipment (AW0)
 *2 Only models with "High" equipment (AW1)



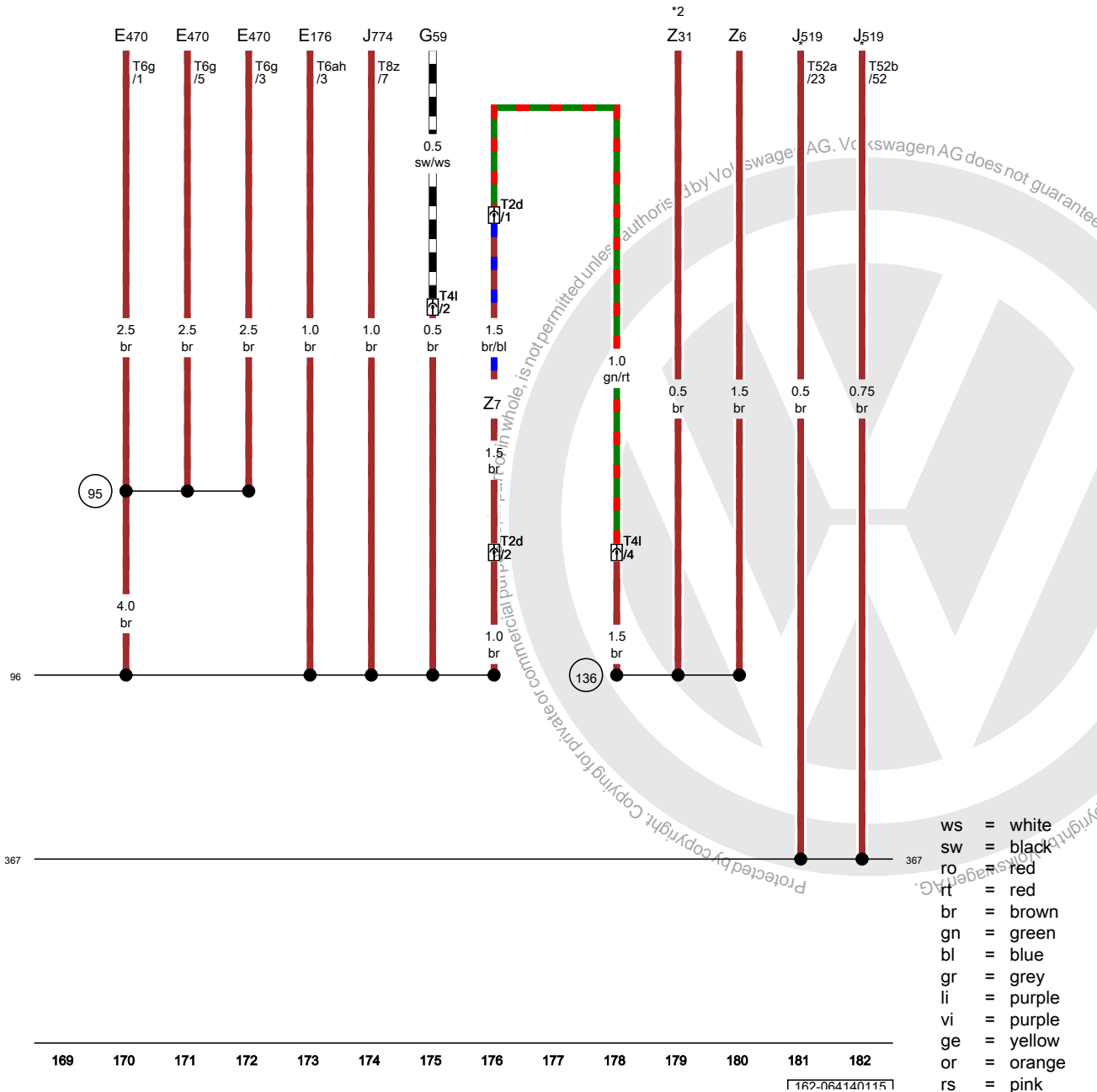
Earth connection 1, in seat heating wiring harness, Earth connection, in external mirror wiring harness, Earth connection, in driver door wiring harness, Earth connection 2, in main wiring harness, Earth connection 21, in main wiring harness

- E43 Mirror adjustment switch
- E52 Rear left window regulator switch, in door
- E233 Rear lid remote release button
- E319 Fuel tank flap release button
- J386 Driver door control unit
- J388 Rear left door control unit
- L131 Driver side turn signal repeater bulb
- T4ac 4-pin connector
- T4aq 4-pin connector
- T4w 4-pin connector
- T8f 8-pin connector
- T8s 8-pin connector
- T12b 12-pin connector, in driver door
- T16a 16-pin connector
- T16h 16-pin connector
- T20a 20-pin connector
- T28b 28-pin connector, on left B-pillar
- T32a 32-pin connector
- VX21 Driver door lock unit
- VX23 Rear left door lock unit
- Z4 Heated exterior mirror on driver side

- 96 Earth connection 1, in seat heating wiring harness
- 107 Earth connection, in external mirror wiring harness, in left door, near exterior mirror
- 205 Earth connection, in driver door wiring harness
- 207 Earth connection, in rear left door wiring harness
- 367 Earth connection 2, in main wiring harness
- 386 Earth connection 21, in main wiring harness

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

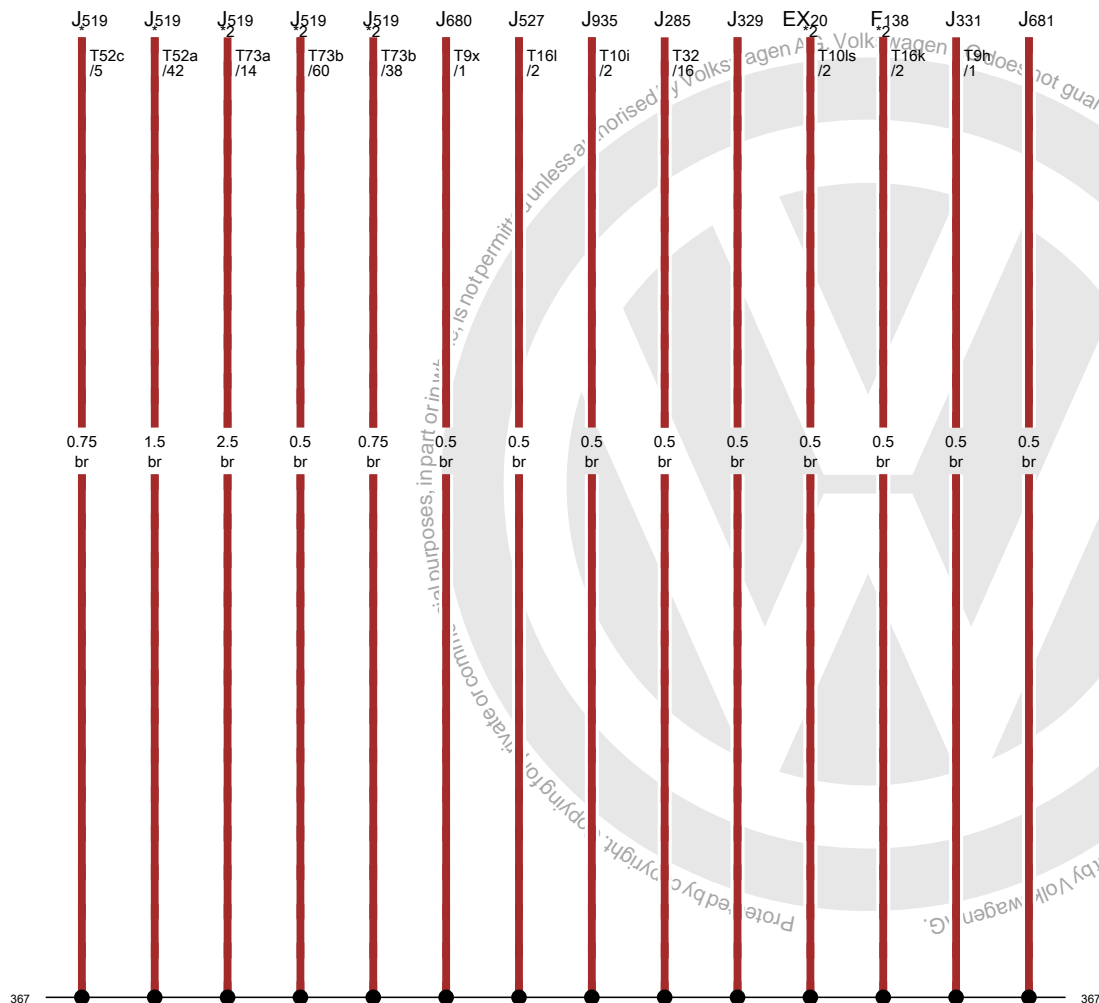
Earth connection 1, in seat adjustment wiring harness, Earth connection 1, in seat heating wiring harness, Earth connection 2, in main wiring harness



- E176 Driver seat lumbar support adjustment switch
- E470 Driver seat adjustment operating unit
- G59 Driver seat temperature sensor
- J519 Onboard supply control unit
- J774 Heated front seats control unit
- T2d 2-pin connector, in driver seat
- T4l 4-pin connector, in driver seat
- T6ah 6-pin connector
- T6g 6-pin connector
- T8z 8-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- Z31 Driver seat cushion lateral support heater
- 95 Earth connection 1, in seat adjustment wiring harness
- 96 Earth connection 1, in seat heating wiring harness
- 136 Earth connection 2, in seat heating wiring harness
- 367 Earth connection 2, in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Gradually discontinued

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Earth connection 2, in main wiring harness

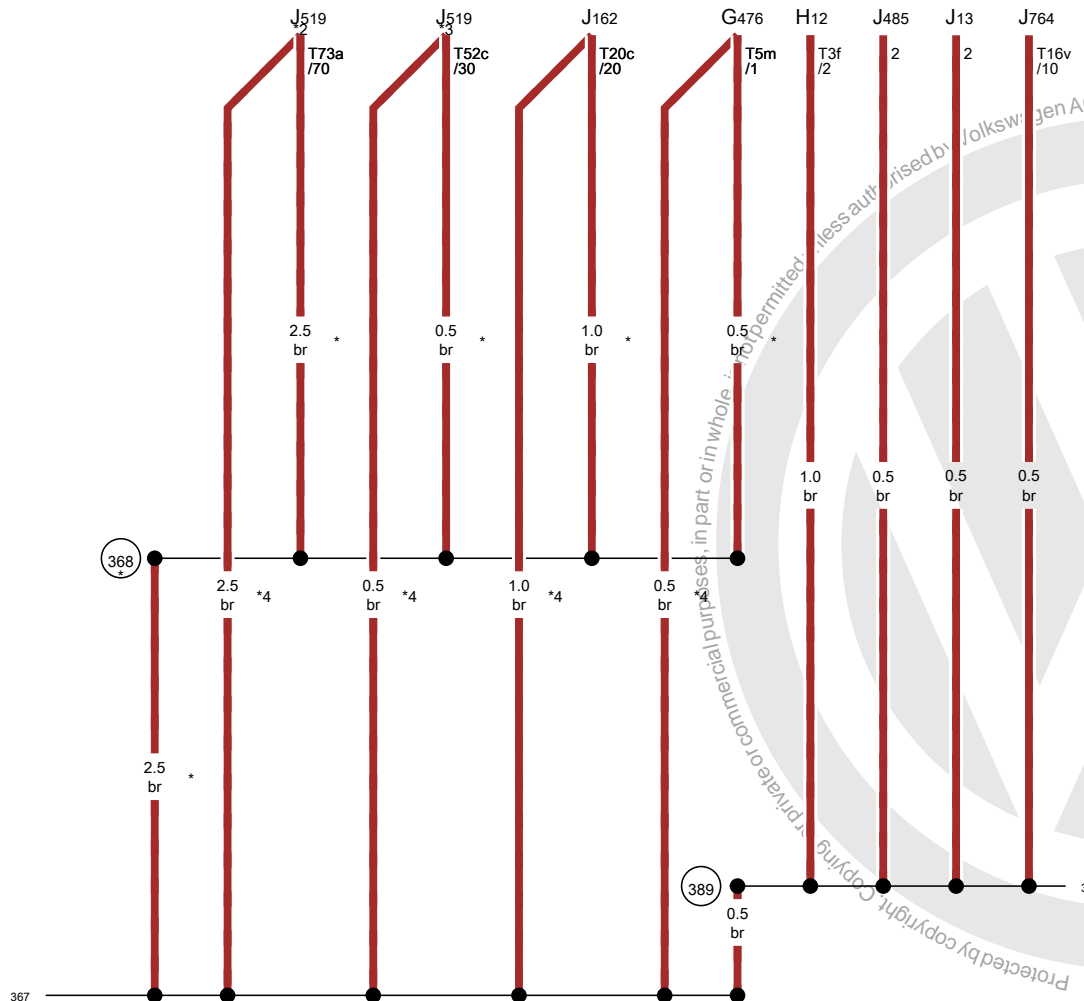


- EX20 Right steering column switch
- F138 Airbag coil connector and return ring with slip ring
- J285 Control unit in dash panel insert
- J329 Terminal 15 voltage supply relay
- J331 Dipped beam relay
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J935 Converter box
- T9h 9-pin connector
- T9x 9-pin connector
- T10i 10-pin connector
- T10ls 10-pin connector
- T16k 16-pin connector
- T16l 16-pin connector
- T32 32-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 367 Earth connection 2, in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
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- gn = green
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- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Earth connection 2, in main wiring harness, Earth connection 3, in main wiring harness, Earth connection 24, in main wiring harness



- G476 Clutch position sender
- H12 Alarm horn
- J13 Fresh air blower relay
- J162 Heater control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- J764 Control unit for electronic steering column lock
- T3f 3-pin connector
- T5m 5-pin connector
- T16v 16-pin connector
- T20c 20-pin connector
- T52c 52-pin connector
- T73a 73-pin connector

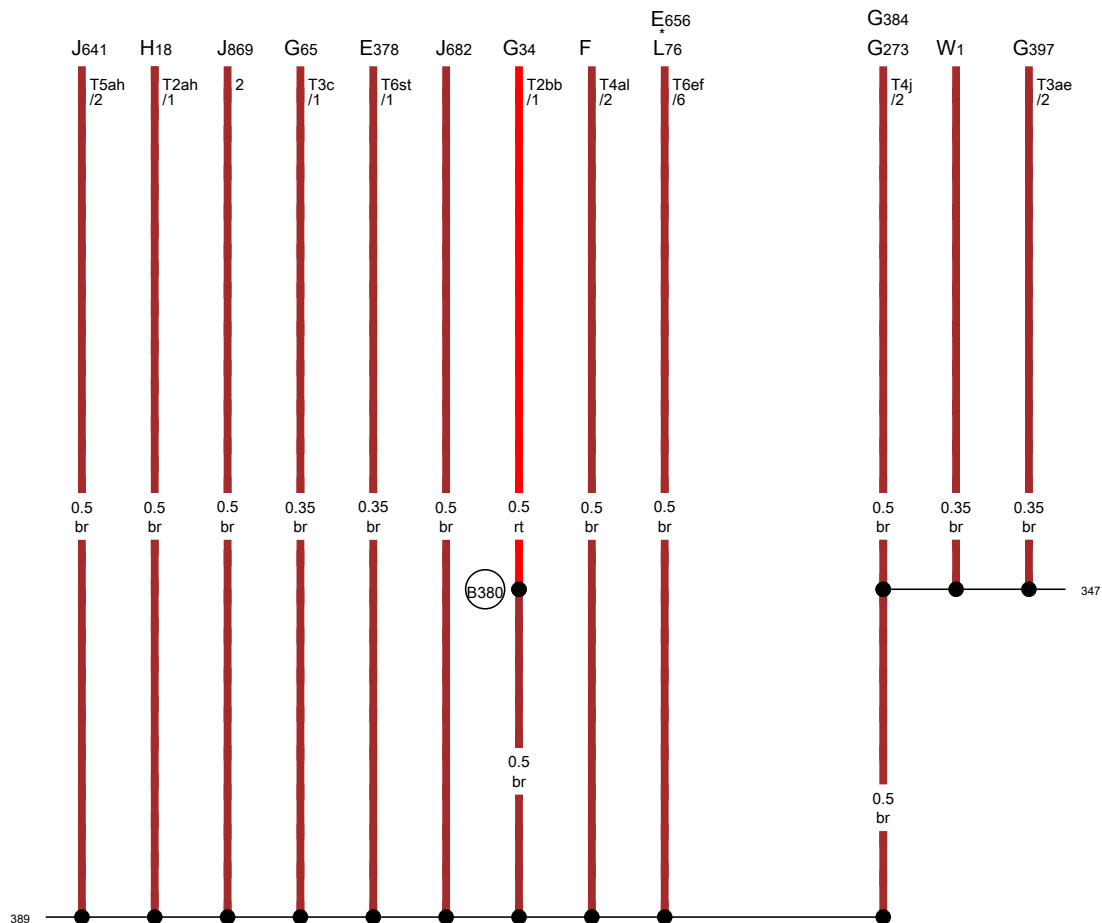
- 367 Earth connection 2, in main wiring harness
- 368 Earth connection 3, in main wiring harness
- 389 Earth connection 24, in main wiring harness

- * Gradually discontinued
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with "High" equipment (AW1)
- *4 gradual introduction

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- li = purple
- vi = purple
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- or = orange
- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210

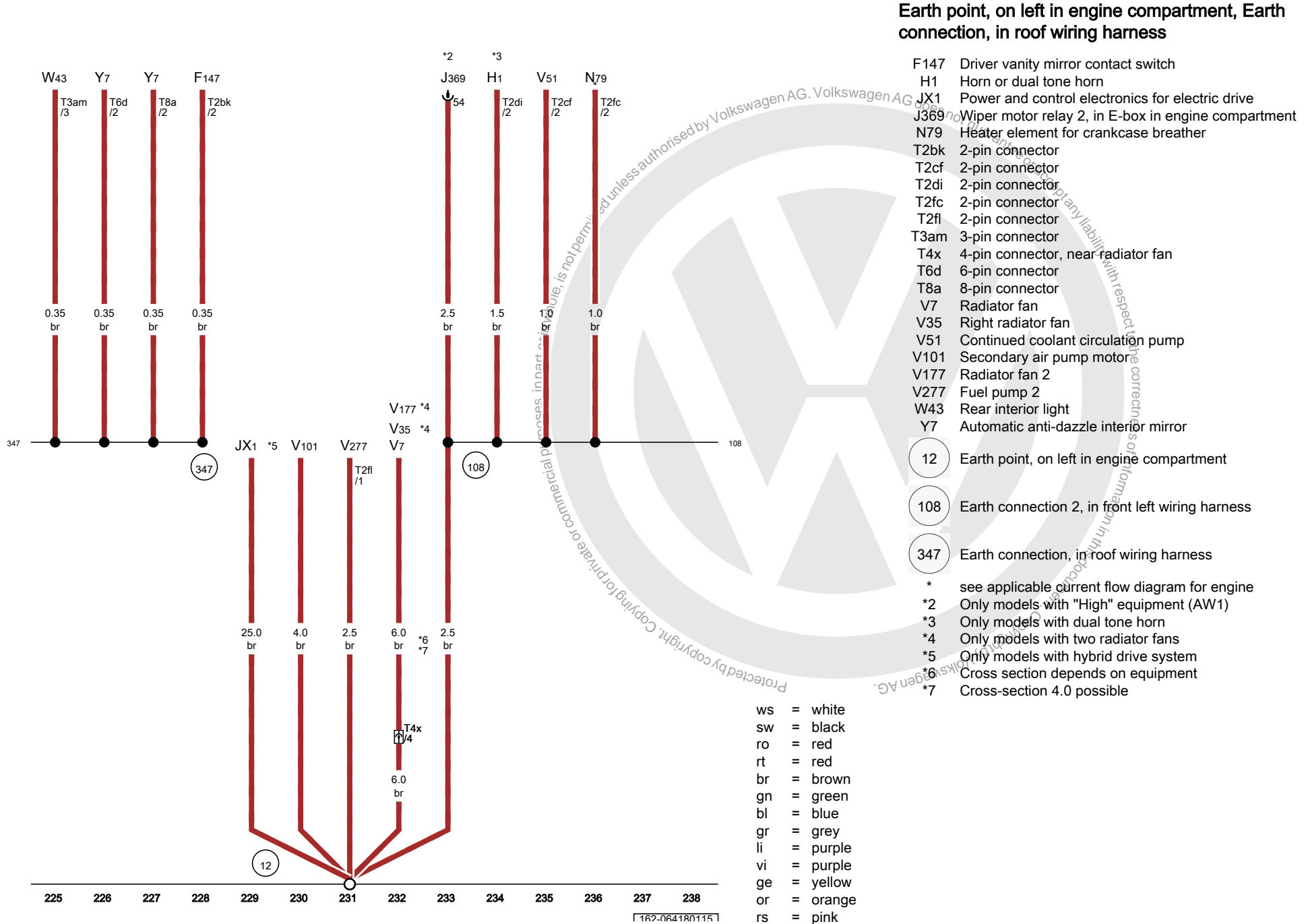
[162-064160115]



Earth connection, in roof wiring harness, Earth connection 24, in main wiring harness

- E378 Starter button
 - E656 Button for electric drive
 - F Brake light switch
 - G34 Front left brake pad wear sender
 - G65 High-pressure sender
 - G273 Interior monitoring sensor
 - G384 Vehicle inclination sender
 - G397 Rain and light sensor
 - H18 Alarm system horn
 - J641 Alarm horn relay
 - J682 Terminal 50 voltage supply relay
 - J869 Control unit for structure-borne sound
 - L76 Button illumination bulb
 - T2ah 2-pin connector
 - T2bb 2-pin connector
 - T3ae 3-pin connector
 - T3c 3-pin connector
 - T4al 4-pin connector
 - T4j 4-pin connector
 - T5ah 5-pin connector
 - T6ef 6-pin connector
 - T6st 6-pin connector
 - W1 Front interior light
- 347 Earth connection, in roof wiring harness
 - 389 Earth connection 24, in main wiring harness
 - B380 Connection 2 (brake pad wear indicator), in main wiring harness
- * Only models with hybrid drive system

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- ge = yellow
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- rs = pink



Earth point, on left in engine compartment, Earth connection, in roof wiring harness

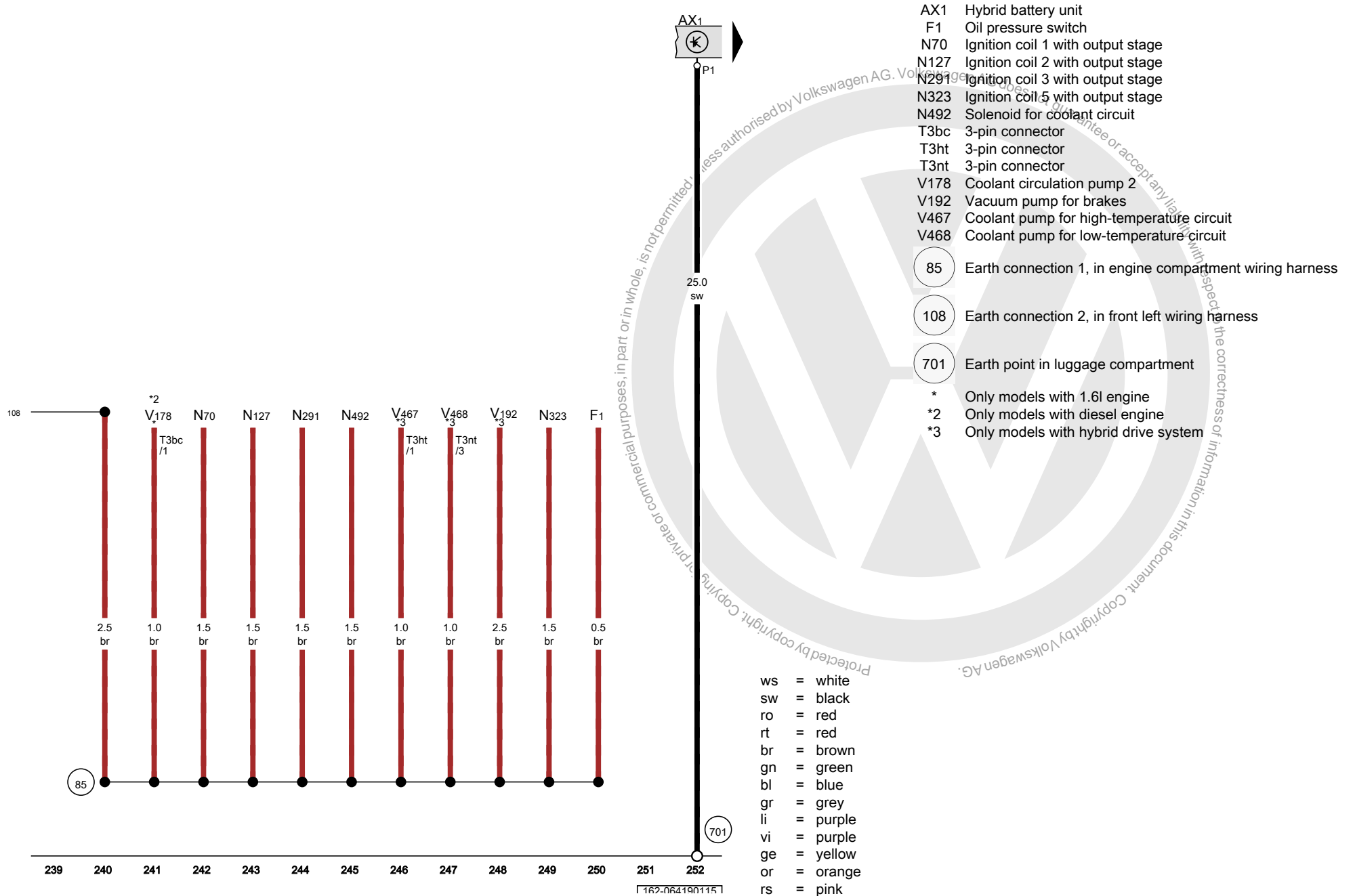
- F147 Driver vanity mirror contact switch
- H1 Horn or dual tone horn
- JX1 Power and control electronics for electric drive
- J369 Wiper motor relay 2, in E-box in engine compartment
- N79 Heater element for crankcase breather
- T2bk 2-pin connector
- T2cf 2-pin connector
- T2di 2-pin connector
- T2fc 2-pin connector
- T2fl 2-pin connector
- T3am 3-pin connector
- T4x 4-pin connector, near radiator fan
- T6d 6-pin connector
- T8a 8-pin connector
- V7 Radiator fan
- V35 Right radiator fan
- V51 Continued coolant circulation pump
- V101 Secondary air pump motor
- V177 Radiator fan 2
- V277 Fuel pump 2
- W43 Rear interior light
- Y7 Automatic anti-dazzle interior mirror

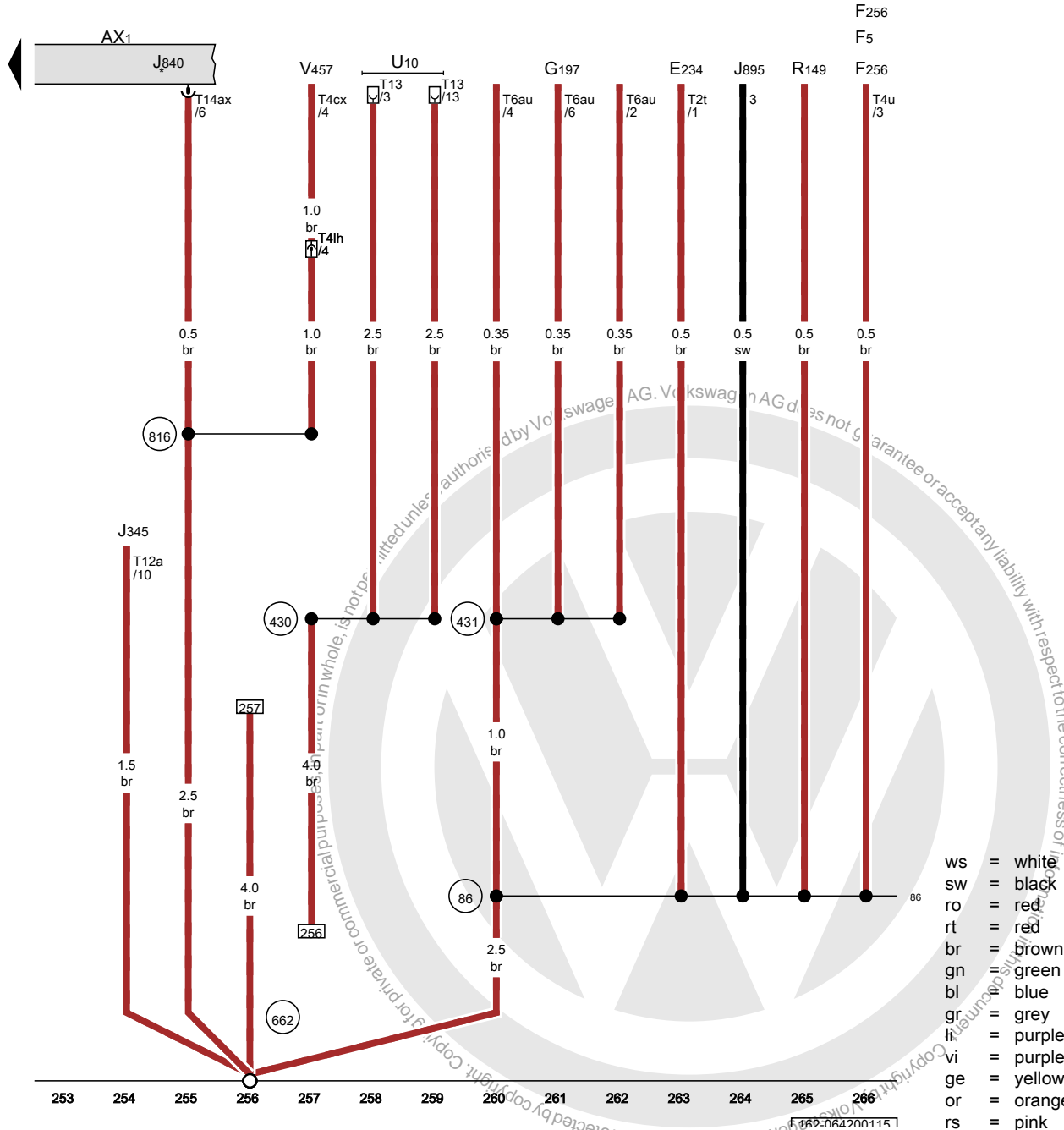
- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- 347 Earth connection, in roof wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with "High" equipment (AW1)
- *3 Only models with dual tone horn
- *4 Only models with two radiator fans
- *5 Only models with hybrid drive system
- *6 Cross section depends on equipment
- *7 Cross-section 4.0 possible

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- ge = yellow
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- rs = pink

Earth connection 1, in engine compartment wiring harness



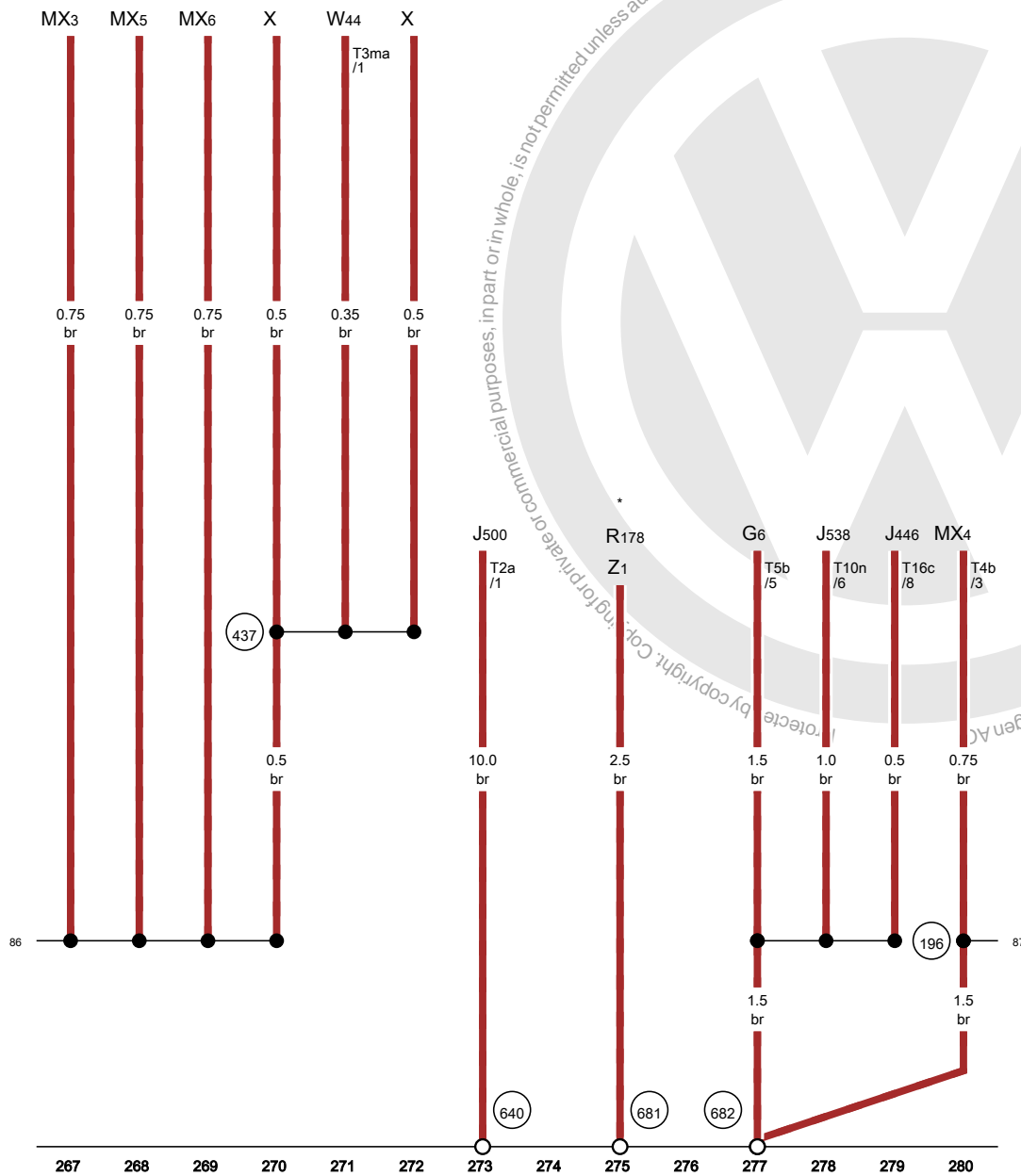


Earth connection 1, in rear wiring harness, Earth point, rear left side panel, Earth connection 1, in hybrid system wiring harness

- AX1 Hybrid battery unit
- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- G197 Magnetic field sender for compass
- J345 Trailer detector control unit
- J840 Battery regulation control unit
- J895 Control unit for vehicle location system
- R149 Remote control receiver for auxiliary coolant heater
- T2t 2-pin connector
- T4cx 4-pin connector
- T4lh 4-pin connector
- T4u 4-pin connector
- T6au 6-pin connector
- T12a 12-pin connector
- T13 13-pin connector
- T14ax 14-pin connector
- U10 Trailer socket
- V457 Battery fan 1

- 86 Earth connection 1, in rear wiring harness
- 430 Earth connection, in towing bracket wiring harness
- 431 Earth connection 2, in roof wiring harness
- 662 Earth point, rear left side panel
- 816 Earth connection 1, in hybrid system wiring harness
- * Only models with hybrid drive system

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- vi = purple
- ge = yellow
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Earth connection 1, in rear wiring harness, Earth connection 2, in rear wiring harness, Earth connection, in number plate wiring harness, Earth point 2, left in engine compartment, Earth point 1, in rear right side panel, Earth point 2, in rear right side panel

- G6 Fuel system pressurisation pump
- J446 Parking aid control unit
- J500 Power steering control unit
- J538 Fuel pump control unit
- MX3 Left tail light
- MX4 Right tail light
- MX5 Left tail light 2
- MX6 Right tail light 2
- R178 Frequency modulation (FM) frequency filter in negative wire
- T2a 2-pin connector
- T3ma 3-pin connector
- T4b 4-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- T16c 16-pin connector
- W44 Rear centre reading light
- X Number plate light
- Z1 Heated rear window

- 86 Earth connection 1, in rear wiring harness
- 87 Earth connection 2, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 640 Earth point 2, left in engine compartment
- 681 Earth point 1, in rear right side panel
- 682 Earth point 2, in rear right side panel

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

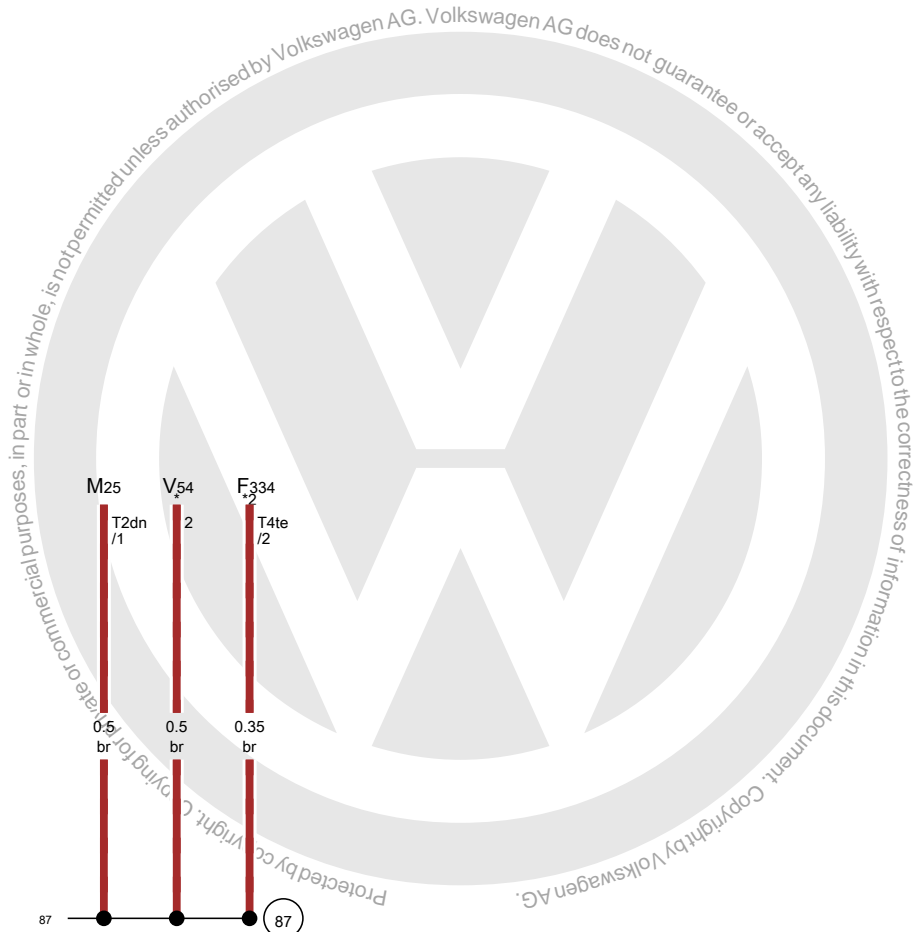
* If fitted

[162-064210115]

Earth connection 2, in rear wiring harness

- F334 Fuel tank cap detection switch
- M25 High-level brake light bulb
- T2dn 2-pin connector
- T4te 4-pin connector
- V54 Metering pump

- 87 Earth connection 2, in rear wiring harness
- * Only models with auxiliary coolant heater
- *2 Only models with hybrid drive system



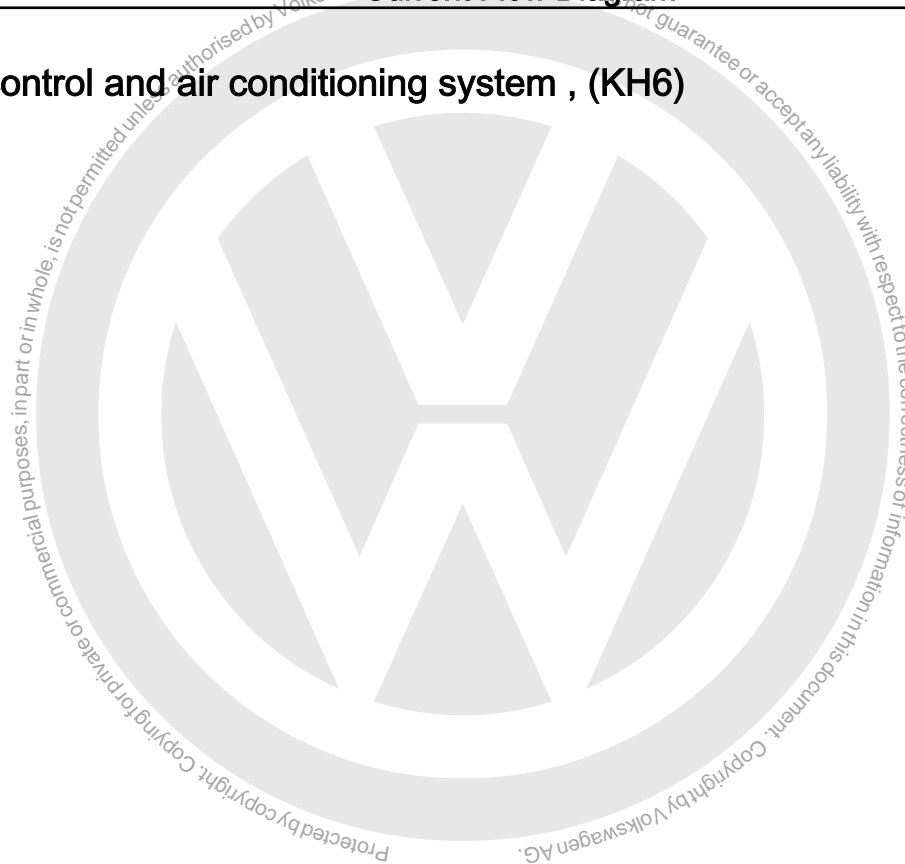
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- br = brown
- gn = green
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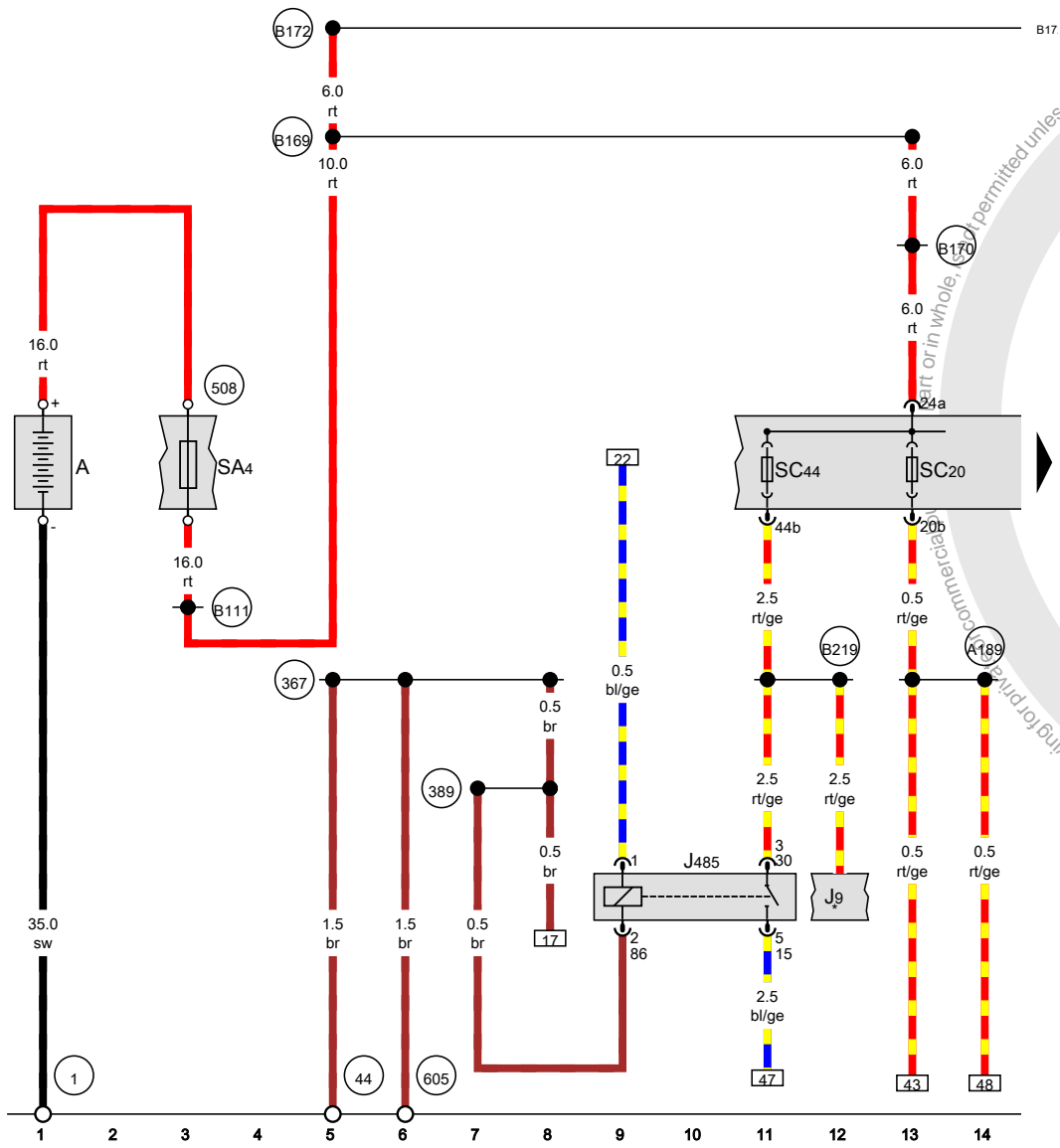
[162-064220115]

Auxiliary heater with remote control and air conditioning system , (KH6)

From June 2011



Battery, Heated rear window relay, Fuse 4 in fuse holder A

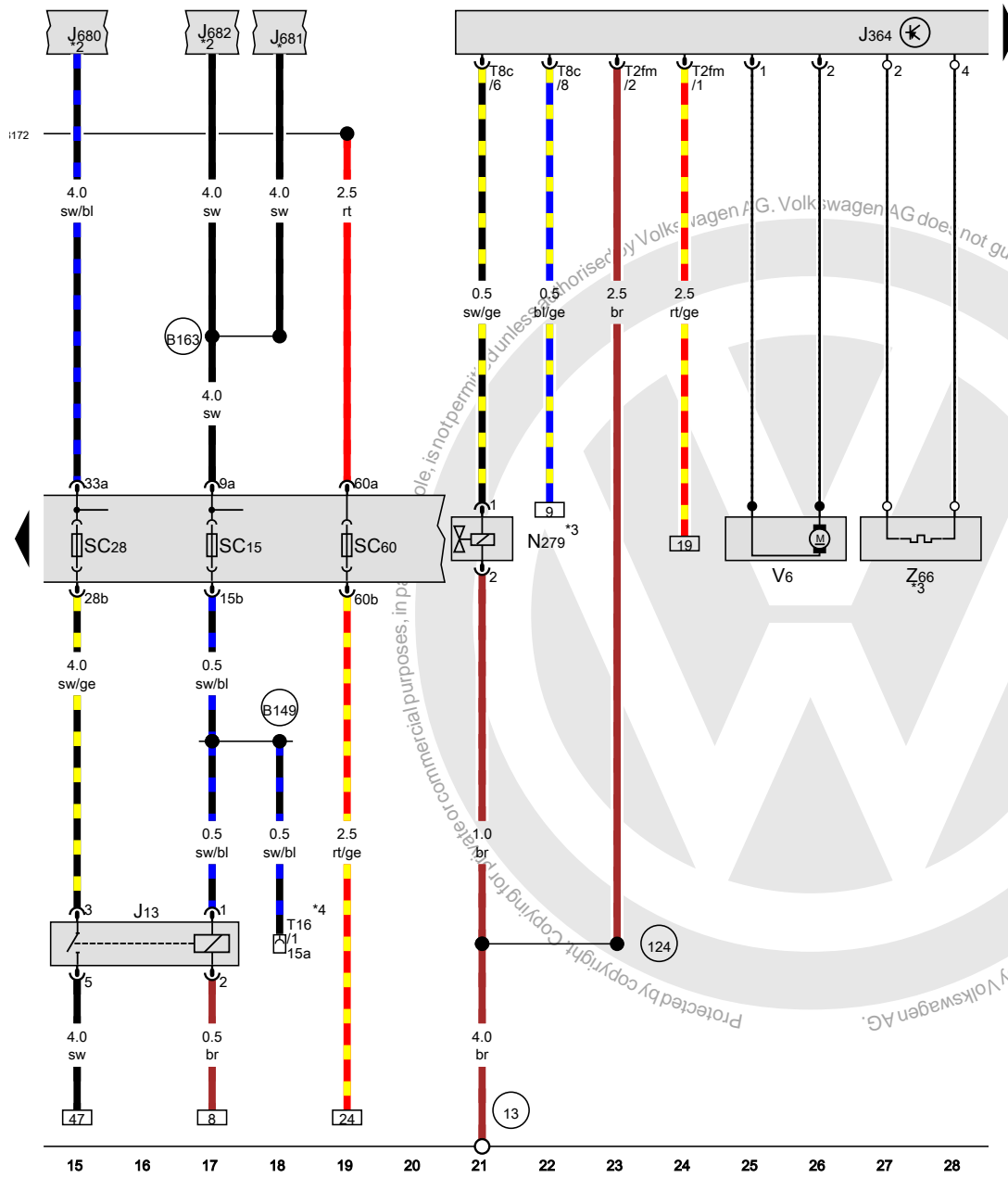


- A Battery
- J9 Heated rear window relay
- J485 Auxiliary heater operation relay
- SA4 Fuse 4 in fuse holder A
- SC20 Fuse 20 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- 1 Earth strap, battery body
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness

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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

* see applicable current flow diagram for basic equipment

162-065020415

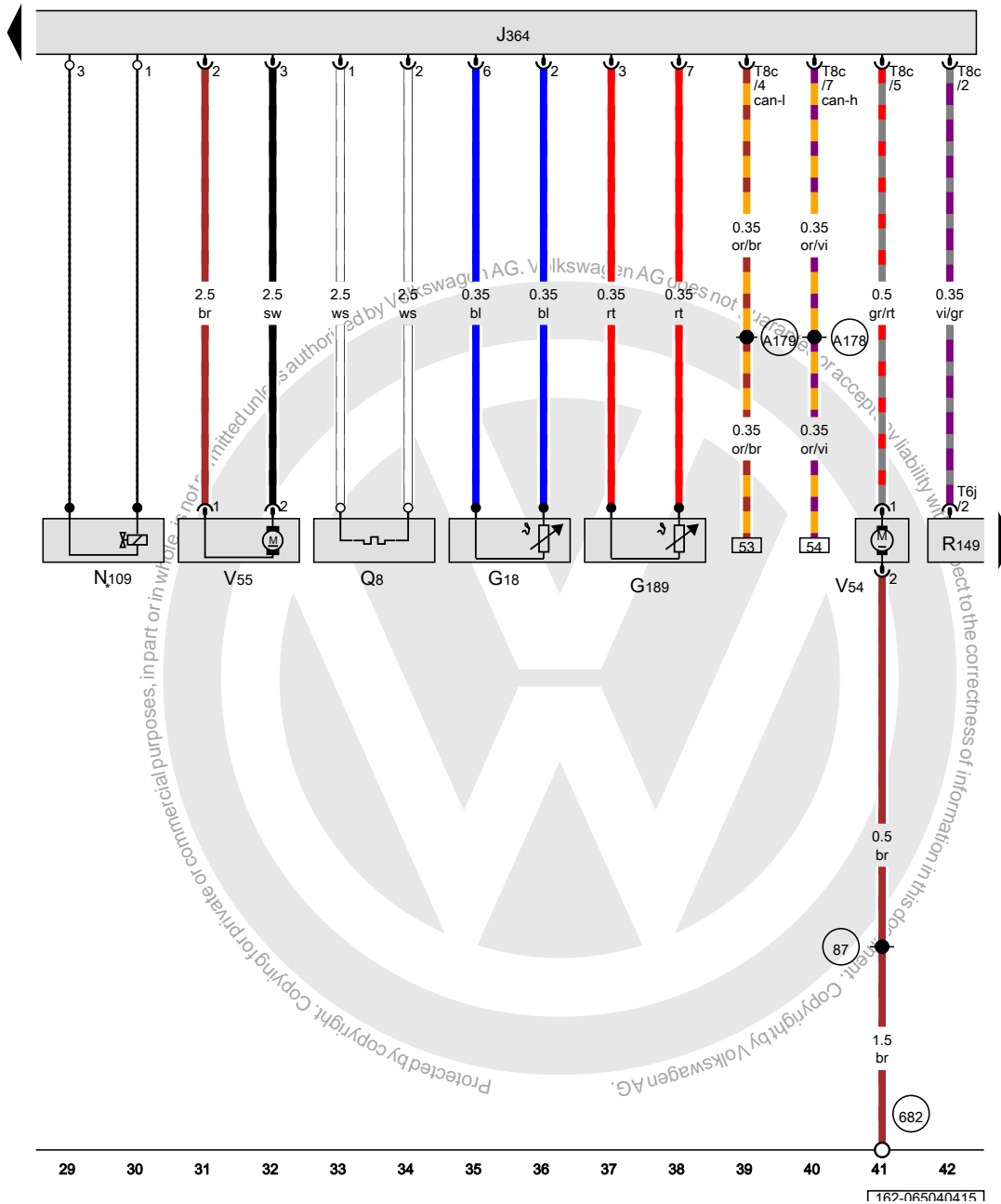


Fresh air blower relay, Auxiliary heater control unit, Terminal 75 voltage supply relay 1, Terminal 15 voltage supply relay 2, Heater coolant shut-off valve, Combustion air blower, Fuel pre-heating heater element

- J13 Fresh air blower relay
 - J364 Auxiliary heater control unit
 - J680 Terminal 75 voltage supply relay 1
 - J681 Terminal 15 voltage supply relay 2
 - J682 Terminal 50 voltage supply relay
 - N279 Heater coolant shut-off valve
 - SC15 Fuse 15 on fuse holder C
 - SC28 Fuse 28 on fuse holder C
 - SC60 Fuse 60 on fuse holder C
 - T2fm 2-pin connector
 - T8c 8-pin connector
 - T9b 9-pin connector
 - T9i 9-pin connector
 - T9x 9-pin connector
 - T16 16-pin connector
 - V6 Combustion air blower
 - Z66 Fuel pre-heating heater element
- 13 Earth point, on right in engine compartment
 - 124 Earth connection, in right side engine compartment wiring harness
 - B149 Positive connection 2 (15a), in interior wiring harness
 - B163 Positive connection 1 (15), in interior wiring harness
 - B172 Positive connection 4 (30), in interior wiring harness
- * Only models with basic equipment
 - *2 see applicable current flow diagram for basic equipment
 - *3 According to equipment
 - *4 Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-065030415

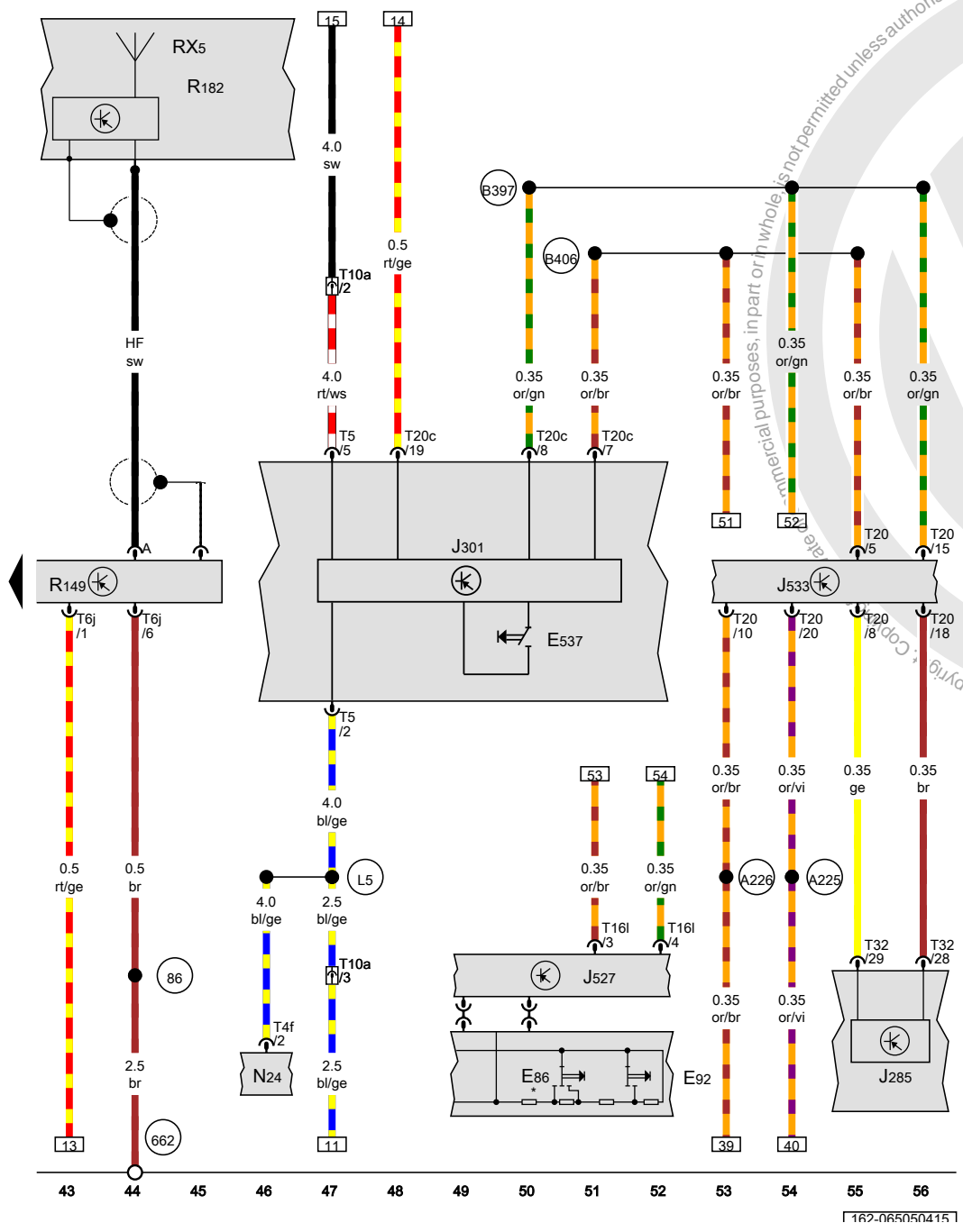


Temperature sensor, Overheating sensor, Auxiliary heater control unit, Fuel shut-off valve, Glow plug with flame monitor, Remote control receiver for auxiliary coolant heater, Metering pump, Circulation pump

- G18 Temperature sensor
- G189 Overheating sensor
- J364 Auxiliary heater control unit
- N109 Fuel shut-off valve
- Q8 Glow plug with flame monitor
- R149 Remote control receiver for auxiliary coolant heater
- T6j 6-pin connector
- T8c 8-pin connector
- V54 Metering pump
- V55 Circulation pump
- 87 Earth connection 2, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
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- gr = grey
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162-065040415



Multifunction display call-up button, Reset button, Control unit in dash panel insert, Air conditioning system control unit, Steering column electronics control unit, Data bus diagnostic interface, Roof aerial, Remote control receiver for auxiliary coolant heater, Auxiliary heater aerial

- E86 Multifunction display call-up button
- E92 Reset button
- E537 Instant heating button
- J285 Control unit in dash panel insert
- J301 Air conditioning system control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface, in left footwell, near centre console
- N24 Fresh air blower series resistor with overheating fuse
- RX5 Roof aerial
- R149 Remote control receiver for auxiliary coolant heater
- R182 Auxiliary heater aerial
- T4f 4-pin connector
- T5 5-pin connector
- T6j 6-pin connector
- T10a 10-pin connector
- T16l 16-pin connector
- T20 20-pin connector
- T20c 20-pin connector
- T32 32-pin connector

- 86 Earth connection 1, in rear wiring harness
- 662 Earth point, rear left side panel
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- L5 Connection 1, in evaporator housing unit wiring harness
- * Preselection clock call-up button for auxiliary heater operation

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Auxiliary heater with remote control and air conditioning system , (9AK)

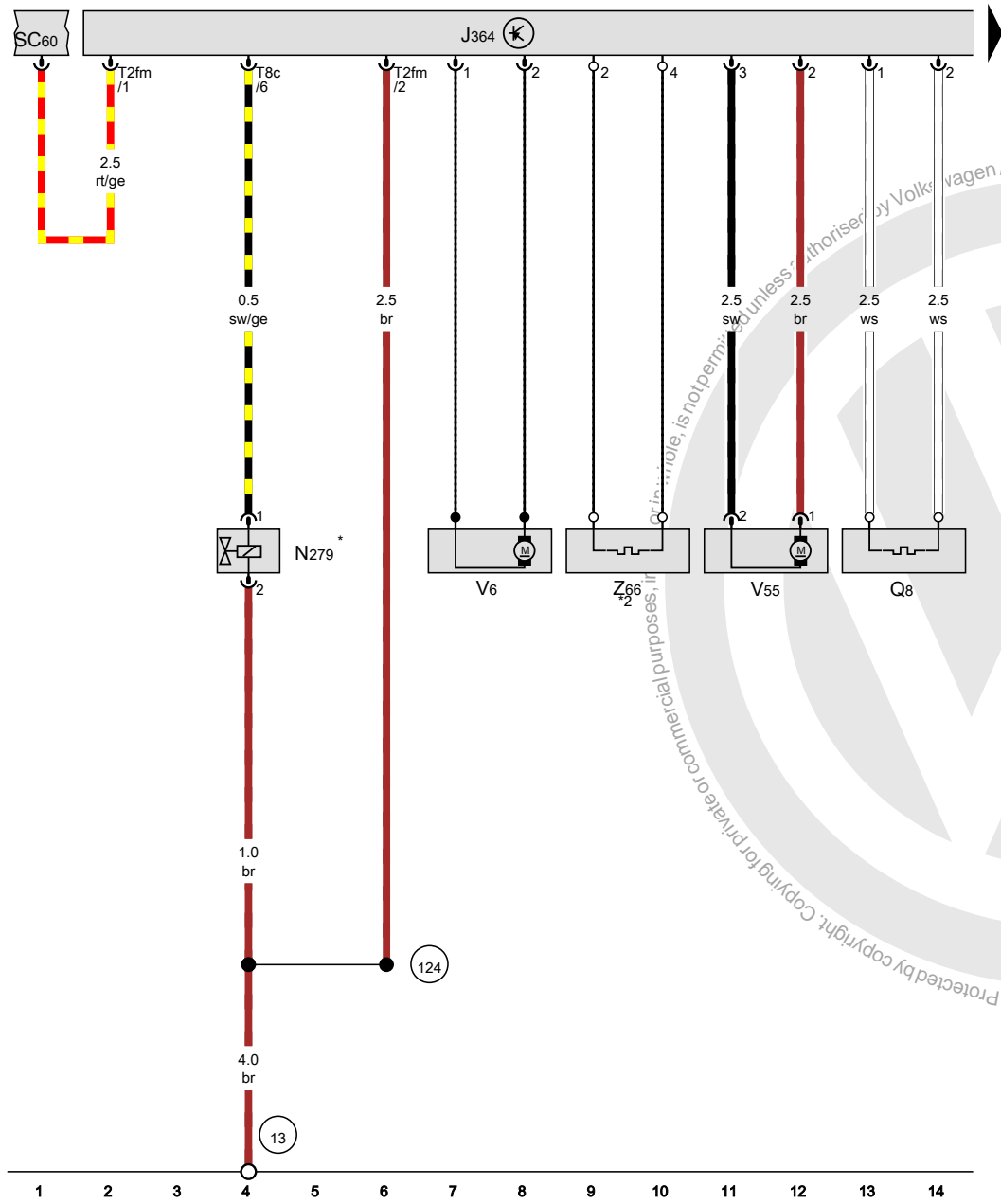
From June 2011



Auxiliary heater control unit, Heater coolant shut-off valve, Glow plug with flame monitor, Combustion air blower, Circulation pump, Fuel pre-heating heater element

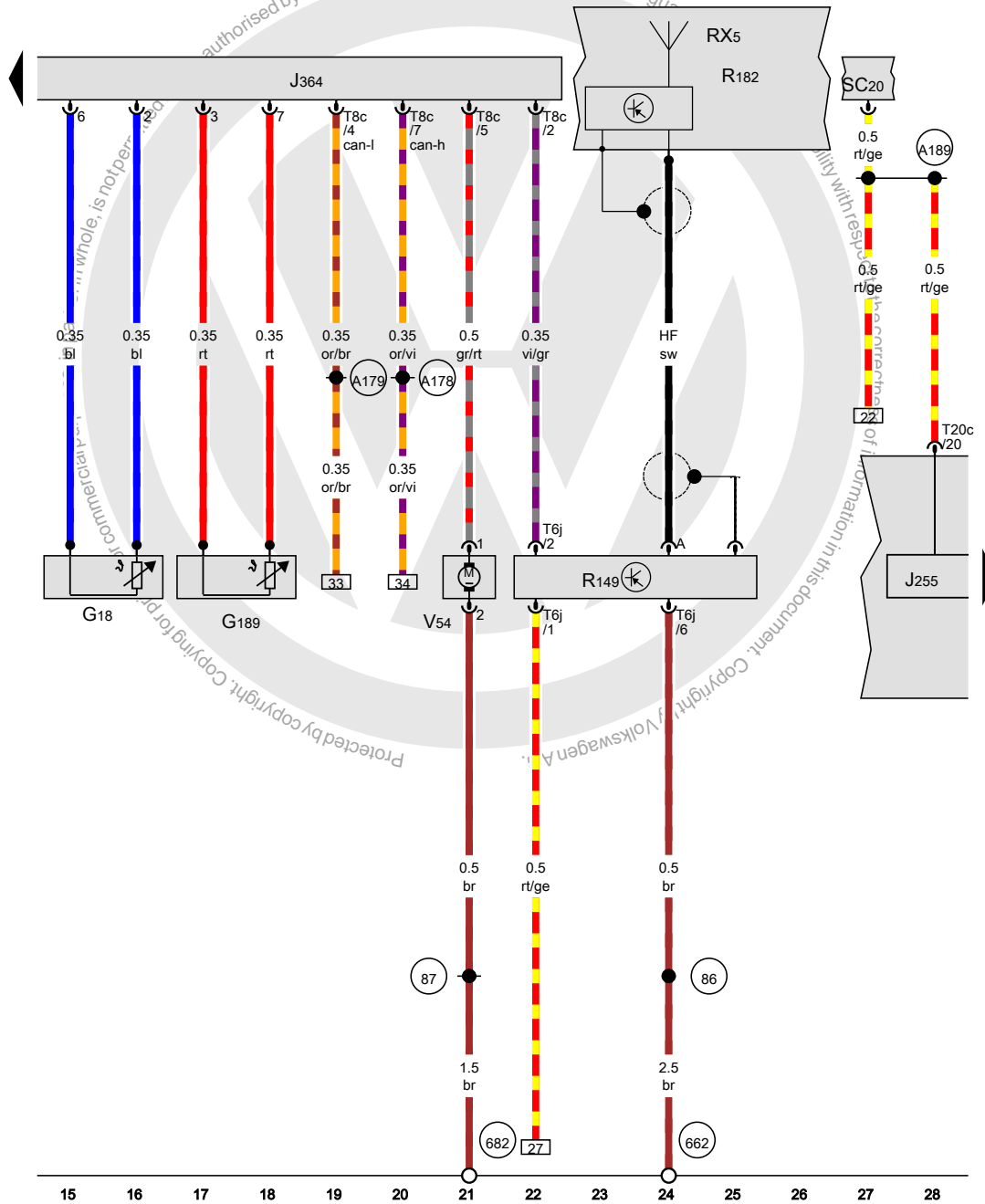
- J364 Auxiliary heater control unit
- N279 Heater coolant shut-off valve
- Q8 Glow plug with flame monitor
- SC60 Fuse 60 on fuse holder C
- T2fm 2-pin connector
- T8c 8-pin connector
- V6 Combustion air blower
- V55 Circulation pump
- Z66 Fuel pre-heating heater element

- 13 Earth point, on right in engine compartment
- 124 Earth connection, in right side engine compartment wiring harness
- * According to equipment
- *2 Only models with petrol engine



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- rs = pink

162-066020114



Temperature sensor, Overheating sensor, Climatronic control unit, Auxiliary heater control unit, Roof aerial, Remote control receiver for auxiliary coolant heater, Auxiliary heater aerial, Metering pump

- G18 Temperature sensor
- G189 Overheating sensor
- J255 Climatronic control unit
- J364 Auxiliary heater control unit
- RX5 Roof aerial
- R149 Remote control receiver for auxiliary coolant heater
- R182 Auxiliary heater aerial
- SC20 Fuse 20 on fuse holder C
- T6j 6-pin connector
- T8c 8-pin connector
- T20c 20-pin connector
- V54 Metering pump

- 86 Earth connection 1, in rear wiring harness
- 87 Earth connection 2, in rear wiring harness
- 662 Earth point, rear left side panel
- 682 Earth point 2, in rear right side panel
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness

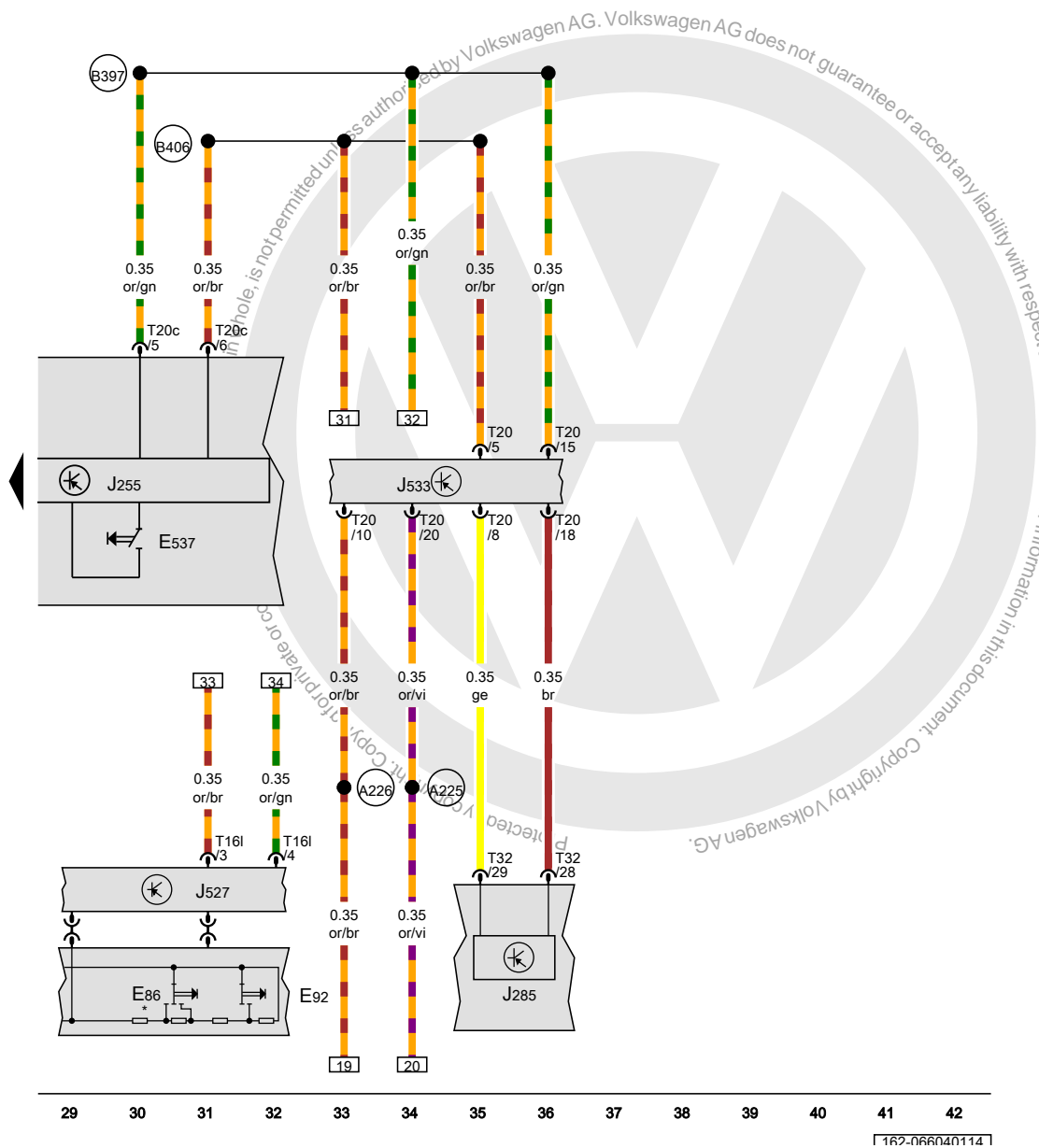
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-066030114

Multifunction display call-up button, Reset button, Climatronic control unit, Control unit in dash panel insert, Steering column electronics control unit, Data bus diagnostic interface

- E86 Multifunction display call-up button
- E92 Reset button
- E537 Instant heating button
- J255 Climatronic control unit
- J285 Control unit in dash panel insert
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface, in left footwell, near centre console
- T16l 16-pin connector
- T20 20-pin connector
- T20c 20-pin connector
- T32 32-pin connector

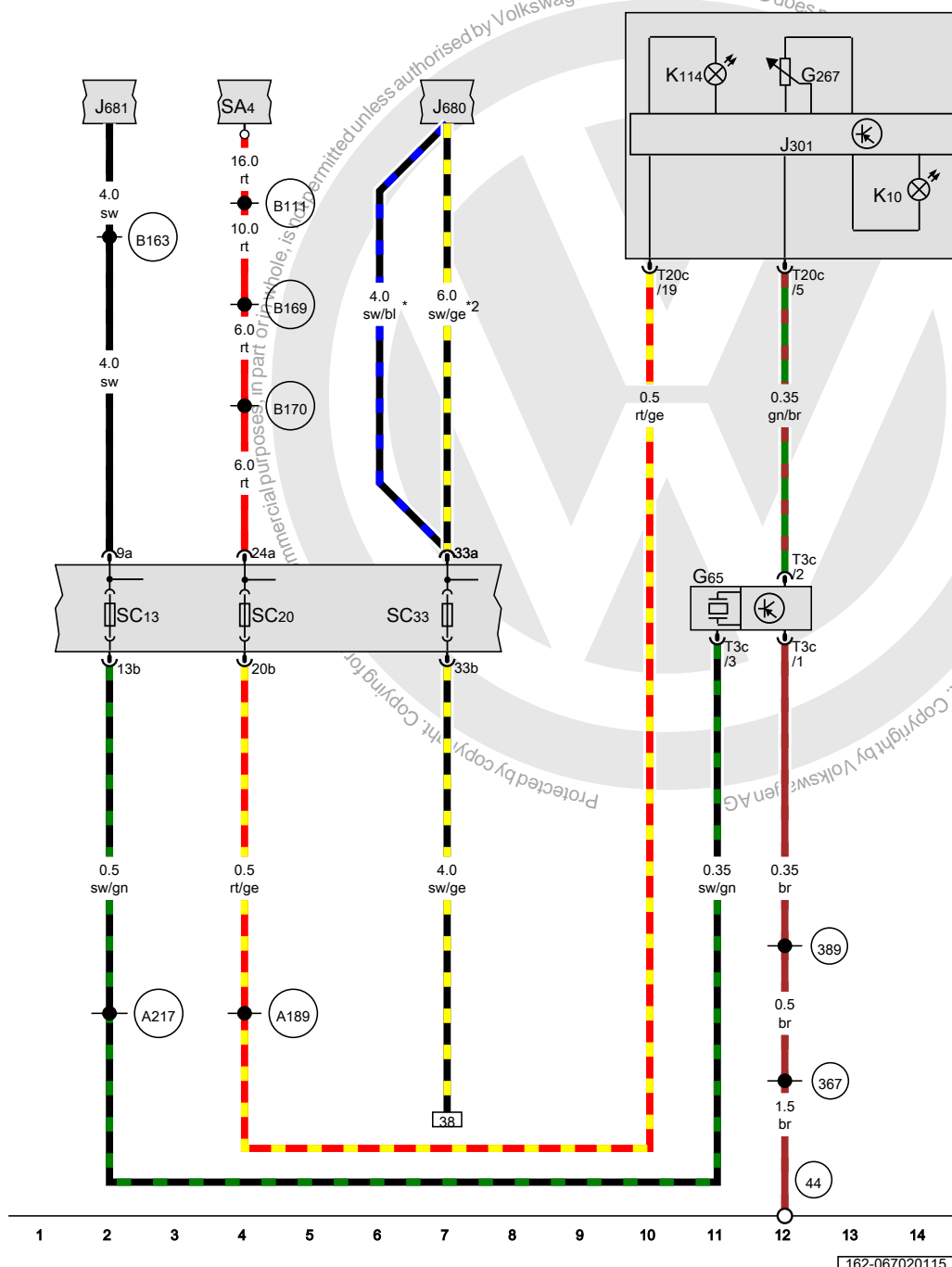
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Preselection clock call-up button for auxiliary heater operation



Air conditioning system with manual regulation , (9AB)

From April 2010





High-pressure sender, Air conditioning system control unit

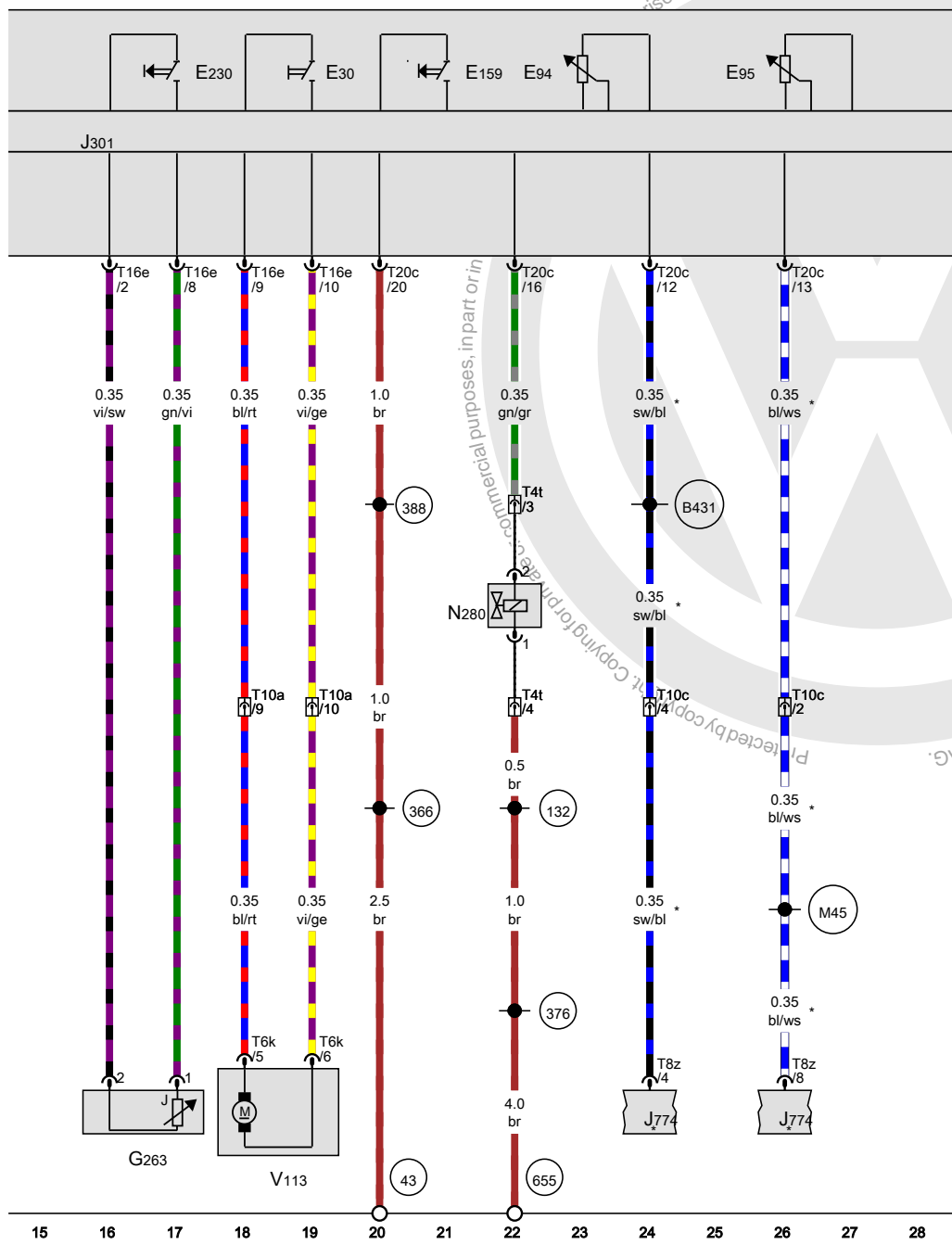
- G65 High-pressure sender
- G267 Potentiometer for temperature selection rotary knob
- J301 Air conditioning system control unit
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- SA4 Fuse 4 in fuse holder A
- SC13 Fuse 13 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T3c 3-pin connector
- T9f 9-pin connector
- T9x 9-pin connector
- T20c 20-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

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- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

* Up to June 2012
 *2 From July 2012

162-067020115



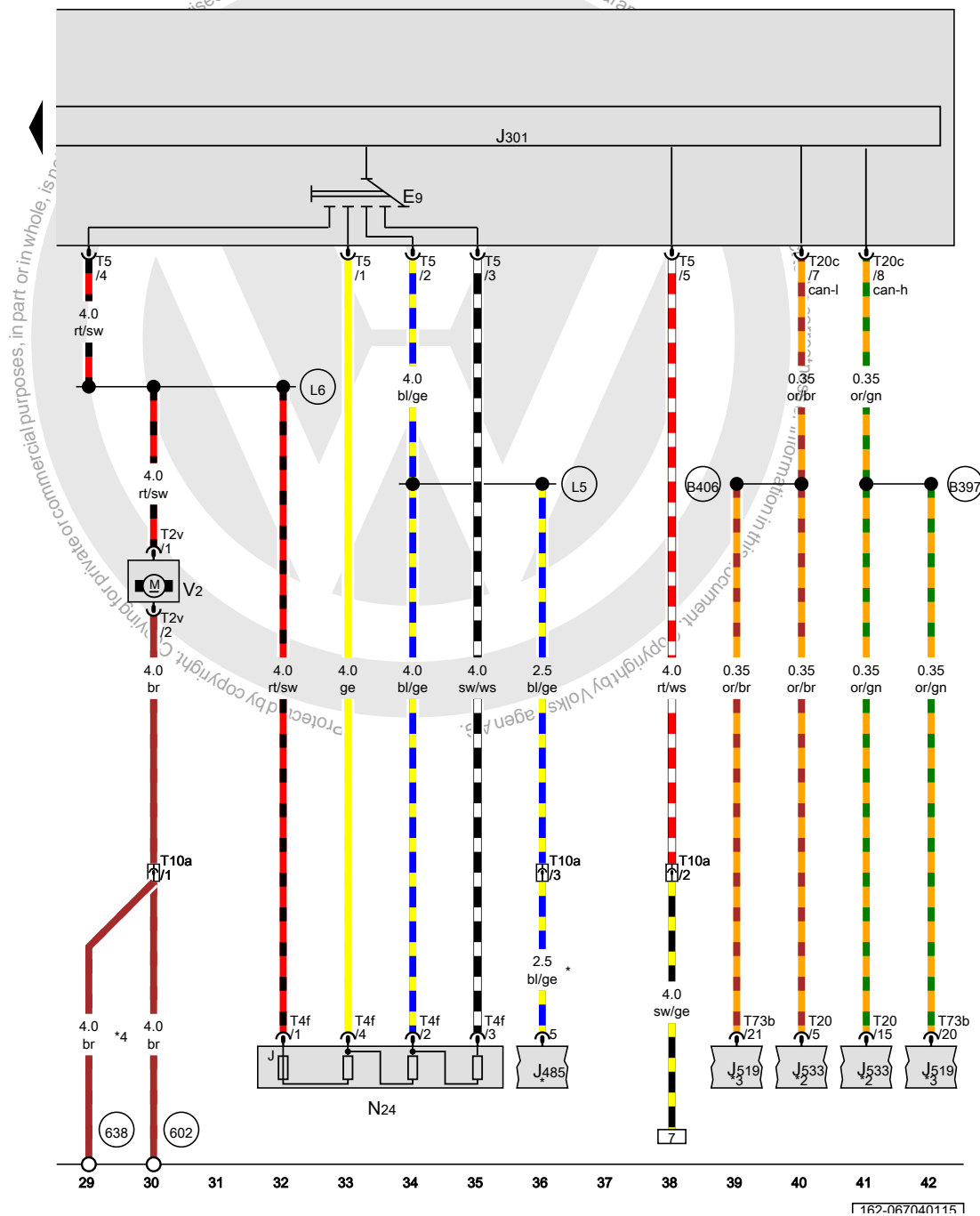
Air conditioning system control unit, Air conditioner compressor regulating valve

- E30 Air conditioning system switch
- E94 Heated driver seat regulator
- E95 Heated front passenger seat regulator
- E159 Fresh air and air recirculation flap switch
- E230 Heated rear window button
- G263 Evaporator output temperature sender
- J301 Air conditioning system control unit
- J774 Heated front seats control unit
- N280 Air conditioner compressor regulating valve
- T4t 4-pin connector
- T6k 6-pin connector
- T8z 8-pin connector
- T10a 10-pin connector, on heater unit
- T10c 10-pin connector, under driver seat
- T16e 16-pin connector
- T20c 20-pin connector
- V113 Air recirculation flap control motor

- 43 Earth point, lower part of right A-pillar
- 132 Earth connection 3, in engine compartment wiring harness
- 366 Earth connection 1, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 655 Earth point, on left headlight
- B431 Connection (seat heating), in main wiring harness
- M45 Connection 5, in driver seat wiring harness

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- vi = purple
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- or = orange
- rs = pink

* Only models with seat heating



Fresh air blower switch, Air conditioning system control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower

- E9 Fresh air blower switch
- J301 Air conditioning system control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- N24 Fresh air blower series resistor with overheating fuse
- T2v 2-pin connector
- T4f 4-pin connector
- T5 5-pin connector
- T10a 10-pin connector, on heater unit
- T20 20-pin connector
- T20c 20-pin connector
- T73b 73-pin connector
- V2 Fresh air blower

- 602 Earth point, in front left footwell
- 638 Earth point, on right A-pillar
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- L5 Connection 1, in evaporator housing unit wiring harness
- L6 Connection 2, in evaporator housing unit wiring harness
- * Only models with auxiliary coolant heater
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)
- *4 Only right-hand drive models

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- li = purple
- vi = purple
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- or = orange
- rs = pink

162-067040115

Manually controlled heater , (9AA)

From June 2010



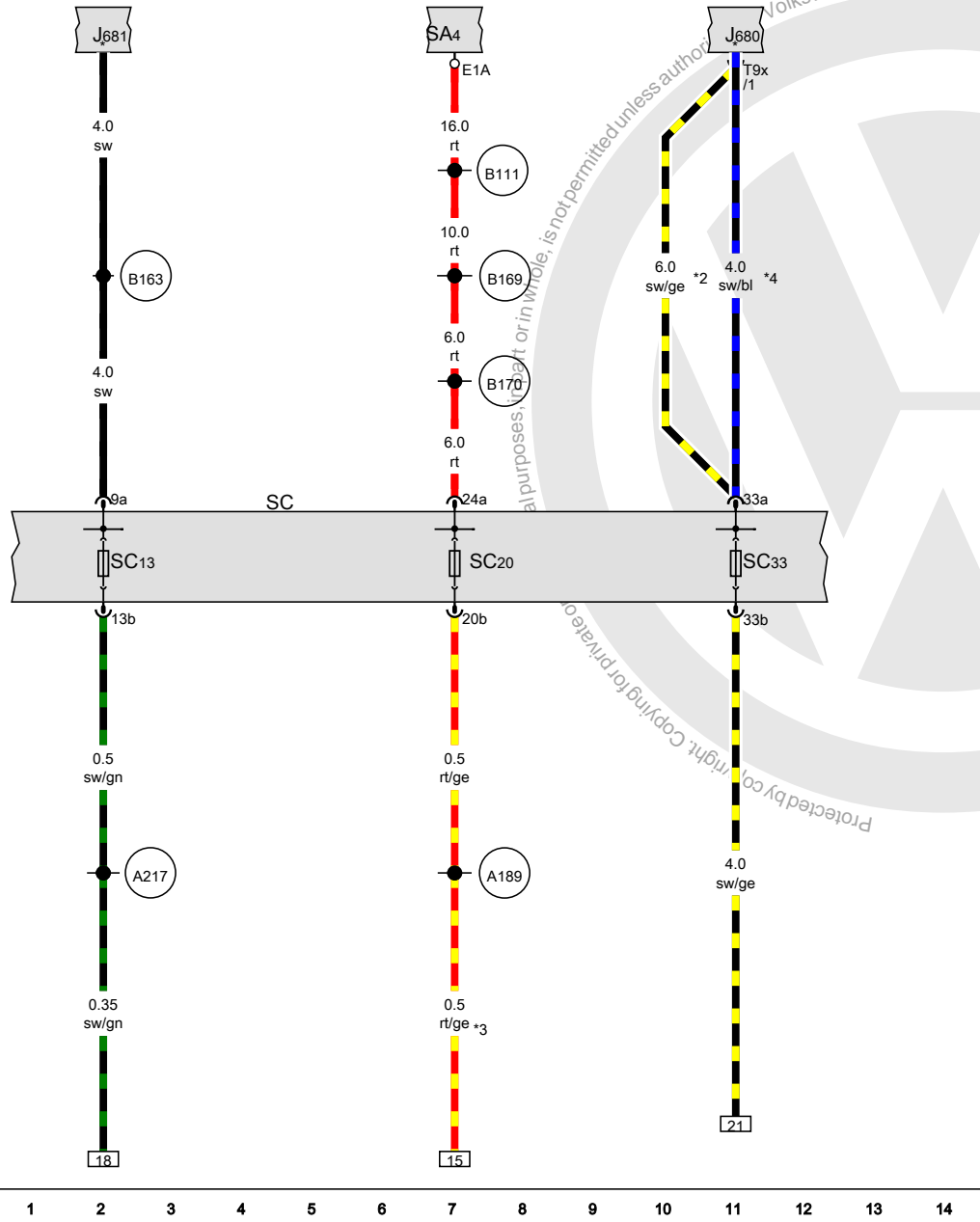
Fuse 4 in fuse holder A, Fuse holder C

- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T1 Single connector
- T9x 9-pin connector

- (A189) Positive connection 5 (30a) in dash panel wiring harness
- (A217) Positive connection 8 (15a) in dash panel wiring harness
- (B111) Positive connection 1 (30a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B169) Positive connection 1 (30), in interior wiring harness
- (B170) Positive connection 2 (30), in interior wiring harness

- * see applicable current flow diagram for basic equipment
- *2 From July 2012
- *3 Only models with auxiliary coolant heater
- *4 Up to June 2012

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

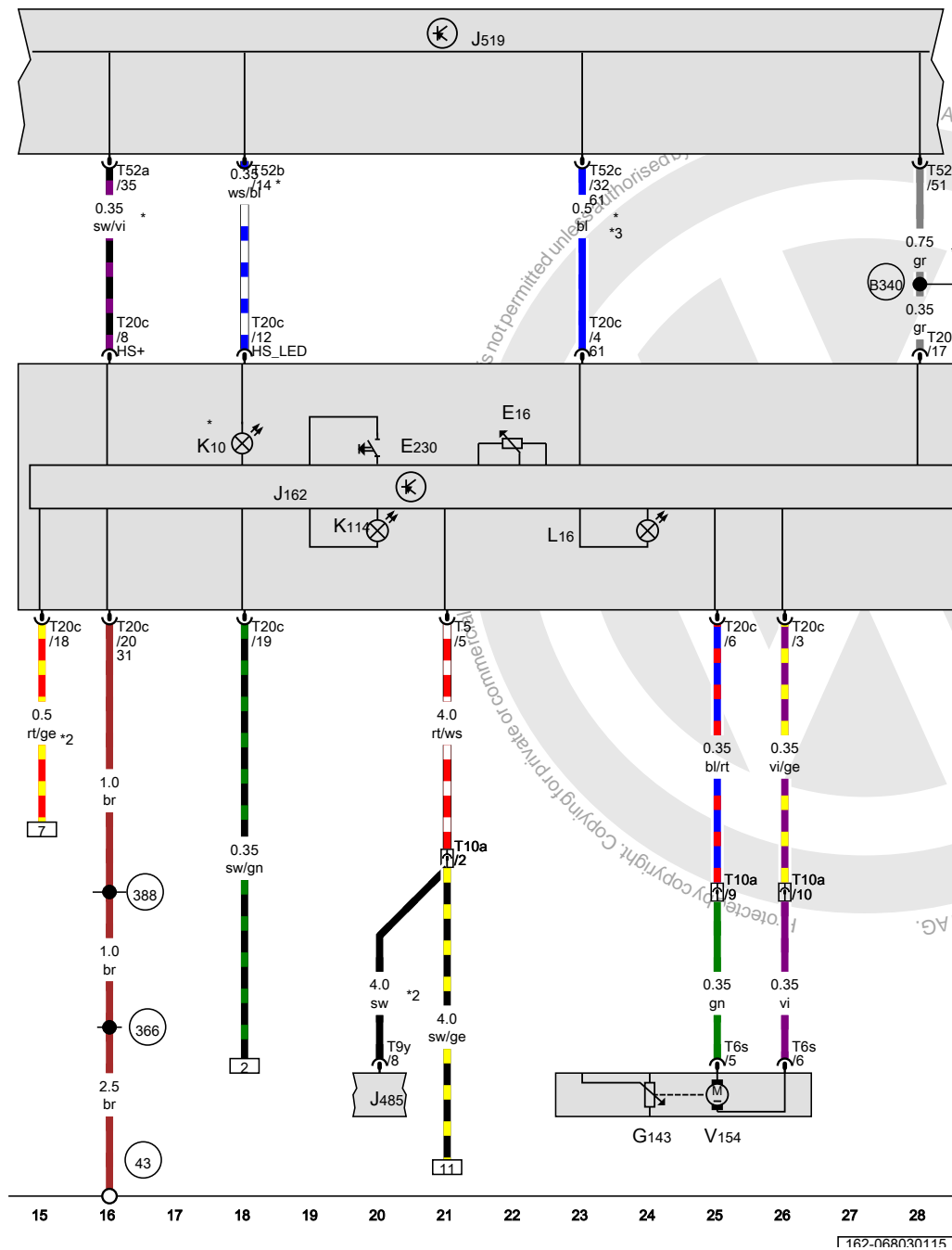


162-068020115

Heater control unit, Onboard supply control unit, Fresh air and air recirculation flap control motor

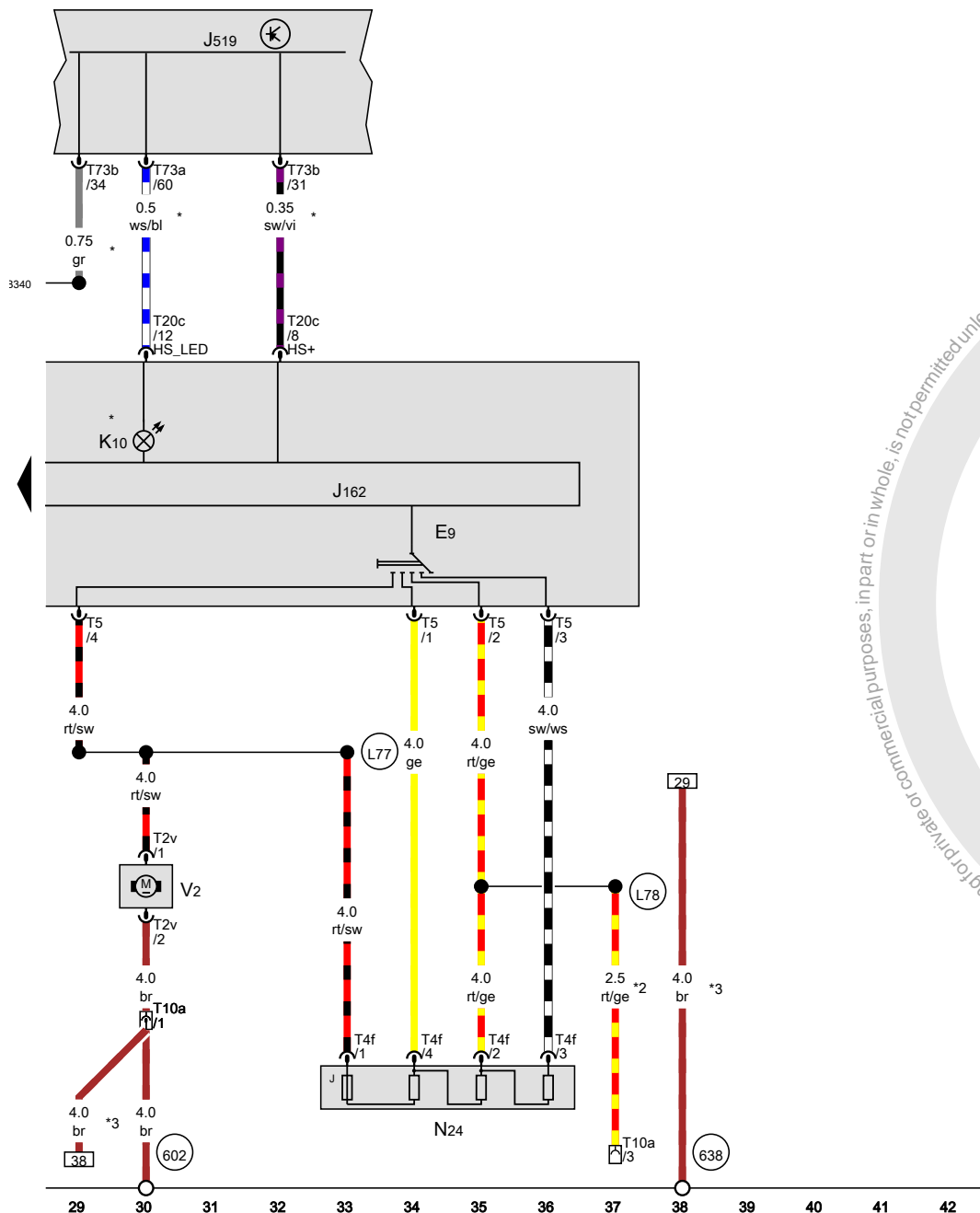
- E16 Heater/heat output switch
- E230 Heated rear window button
- G143 Potentiometer for air recirculation flap control motor
- J162 Heater control unit
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- L16 Fresh air regulator illumination bulb
- T5 5-pin connector
- T6s 6-pin connector
- T9y 9-pin connector
- T10a 10-pin connector
- T20c 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V154 Fresh air and air recirculation flap control motor

- 43 Earth point, lower part of right A-pillar
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with auxiliary coolant heater
- *3 Only models with start/stop system



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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-068030115



Fresh air blower switch, Heater control unit, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower

- E9 Fresh air blower switch
- J162 Heater control unit
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- N24 Fresh air blower series resistor with overheating fuse
- T2v 2-pin connector
- T4f 4-pin connector
- T5 5-pin connector
- T10a 10-pin connector, on heater and air conditioner unit
- T20c 20-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V2 Fresh air blower

- 602 Earth point, in front left footwell
- 638 Earth point, on right A-pillar
- B340 Connection 1 (58d), in main wiring harness
- L77 Connection, in fresh air blower wiring harness
- L78 Connection 1, in fresh air blower wiring harness
- * Only models with "Low" equipment (AWD)
- *2 Only models with auxiliary coolant heater
- *3 Only right-hand drive models

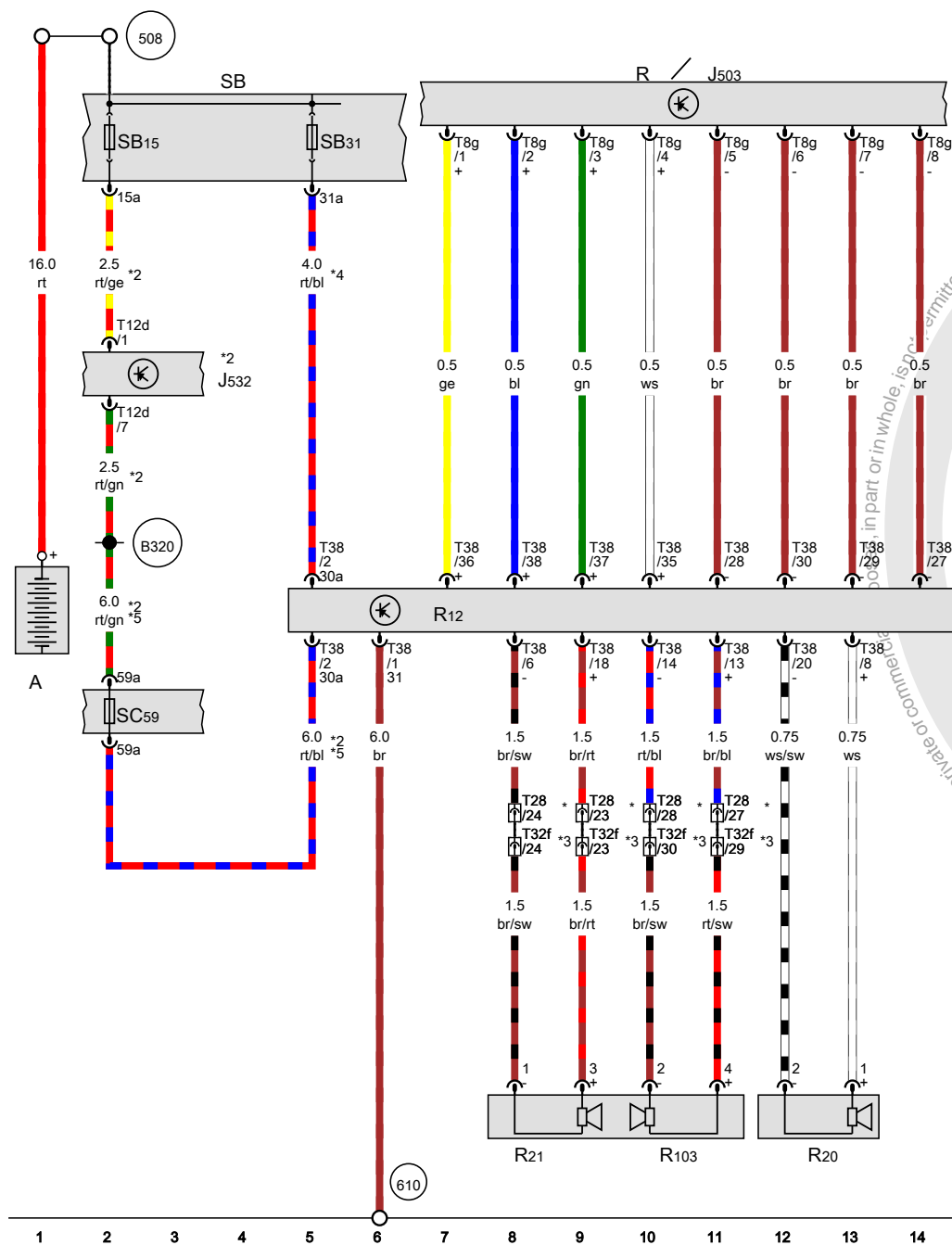
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-068040115

"Volkswagen Sound" sound system , (8RB),(8RU)

From June 2011





Control unit with display for radio and navigation, Voltage stabiliser, Radio, Amplifier, Front left treble loudspeaker, Front left bass loudspeaker, Front left mid-range loudspeaker, Fuse holder B

- A Battery
- J503 Control unit with display for radio and navigation
- J532 Voltage stabiliser
- R Radio
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R103 Front left mid-range loudspeaker
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB31 Fuse 31 on fuse holder B
- SC59 Fuse 59 on fuse holder C
- T8g 8-pin connector
- T12d 12-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T38 38-pin connector

- 508 Threaded connection (30) on E-box
- 610 Earth point (audio), front below centre console
- B320 Positive connection 6 (30a) in main wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with stop/start system
- *3 Only models with "Low" equipment (AW0)
- *4 According to equipment
- *5 Up to June 2012

- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-069021214

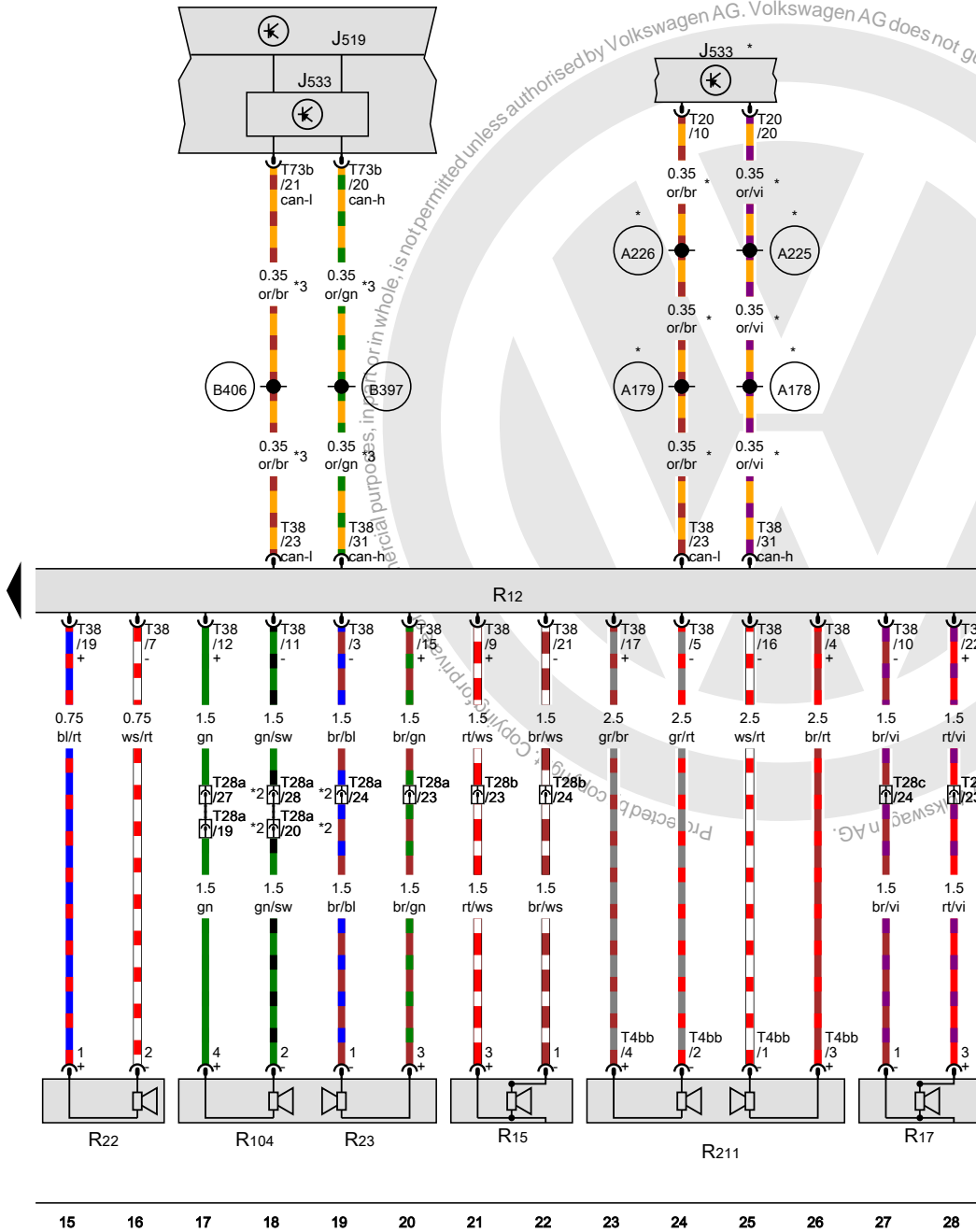
Onboard supply control unit, Data bus diagnostic interface, Amplifier, Rear left bass loudspeaker, Rear right bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker, Front right mid-range loudspeaker, Subwoofer

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R12 Amplifier
- R15 Rear left bass loudspeaker
- R17 Rear right bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R104 Front right mid-range loudspeaker
- R211 Subwoofer
- T4bb 4-pin connector
- T20 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T28b 28-pin connector, on left B-pillar
- T28c 28-pin connector, on right B-pillar
- T38 38-pin connector
- T73b 73-pin connector

- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

- * Only models with "High" equipment (AW1)
- *2 According to equipment
- *3 Only models with "Low" equipment (AW0)

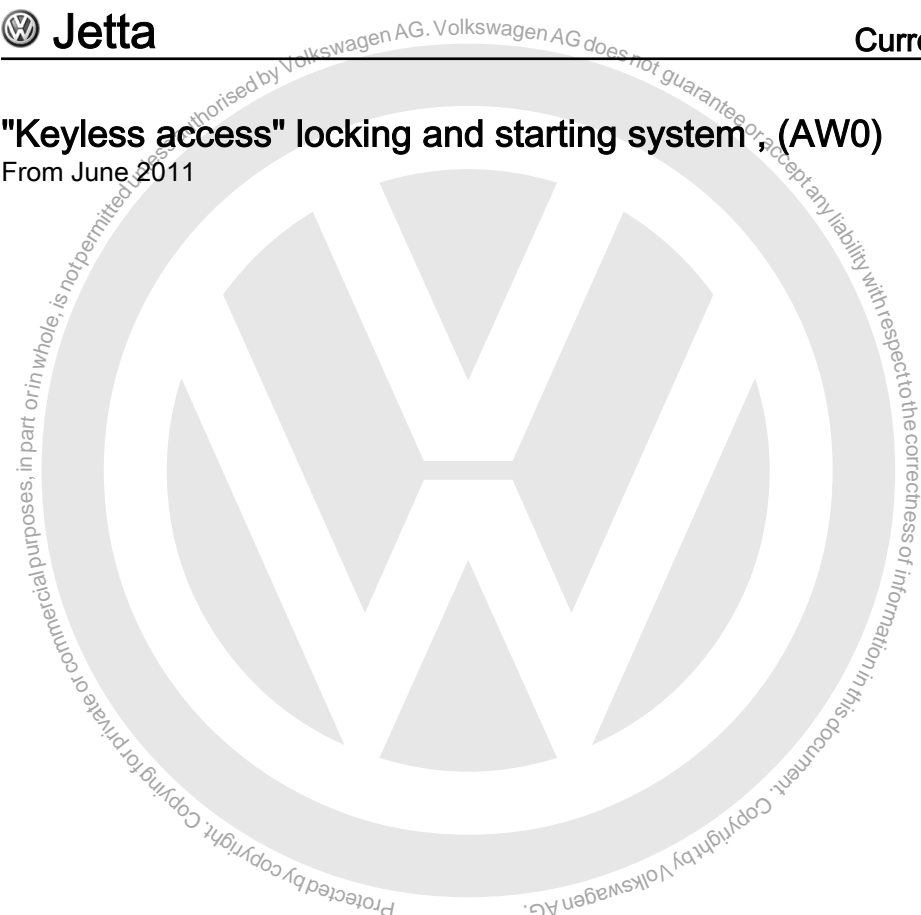
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- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

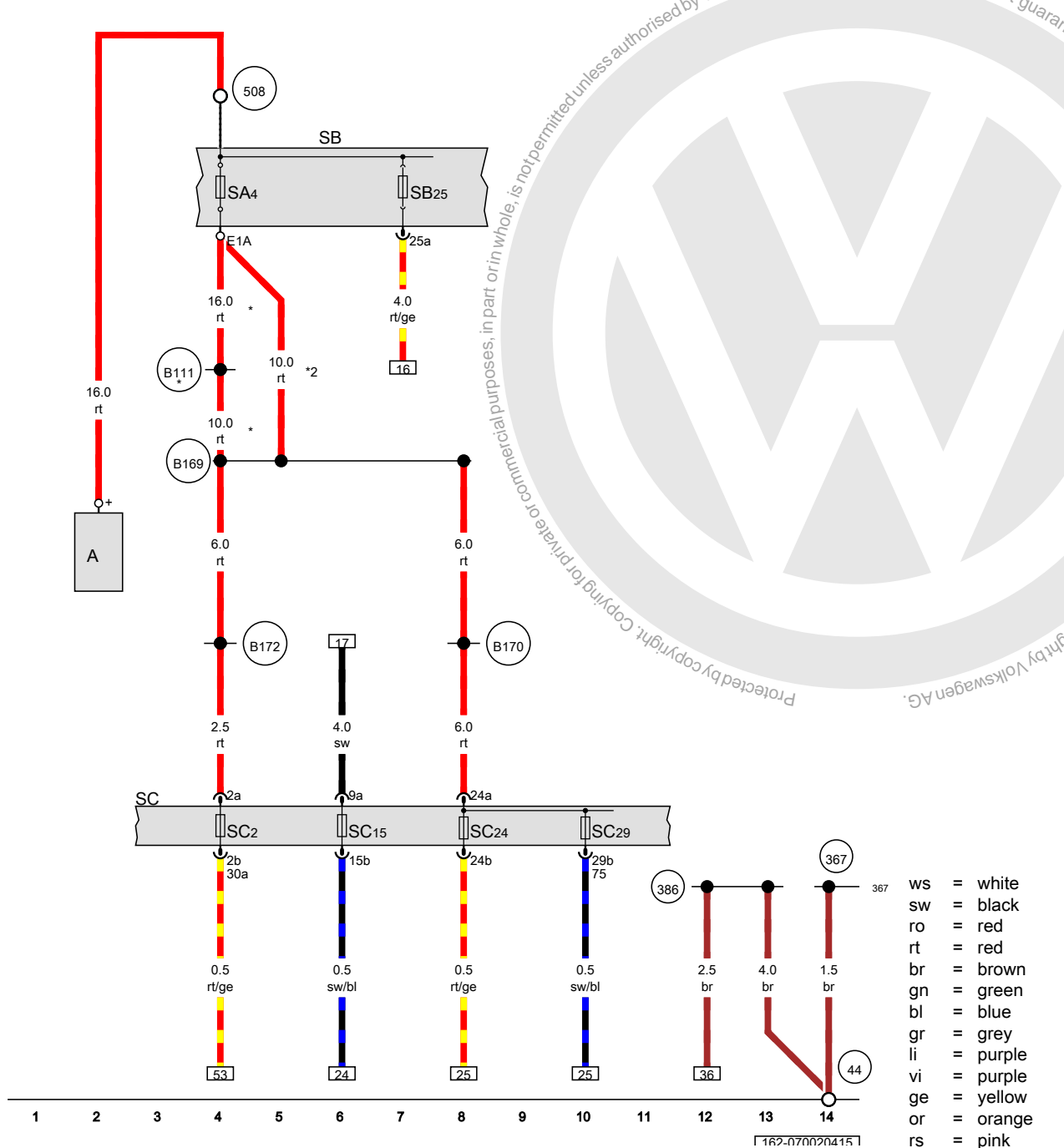


162-069031214

"Keyless access" locking and starting system, (AW0)

From June 2011

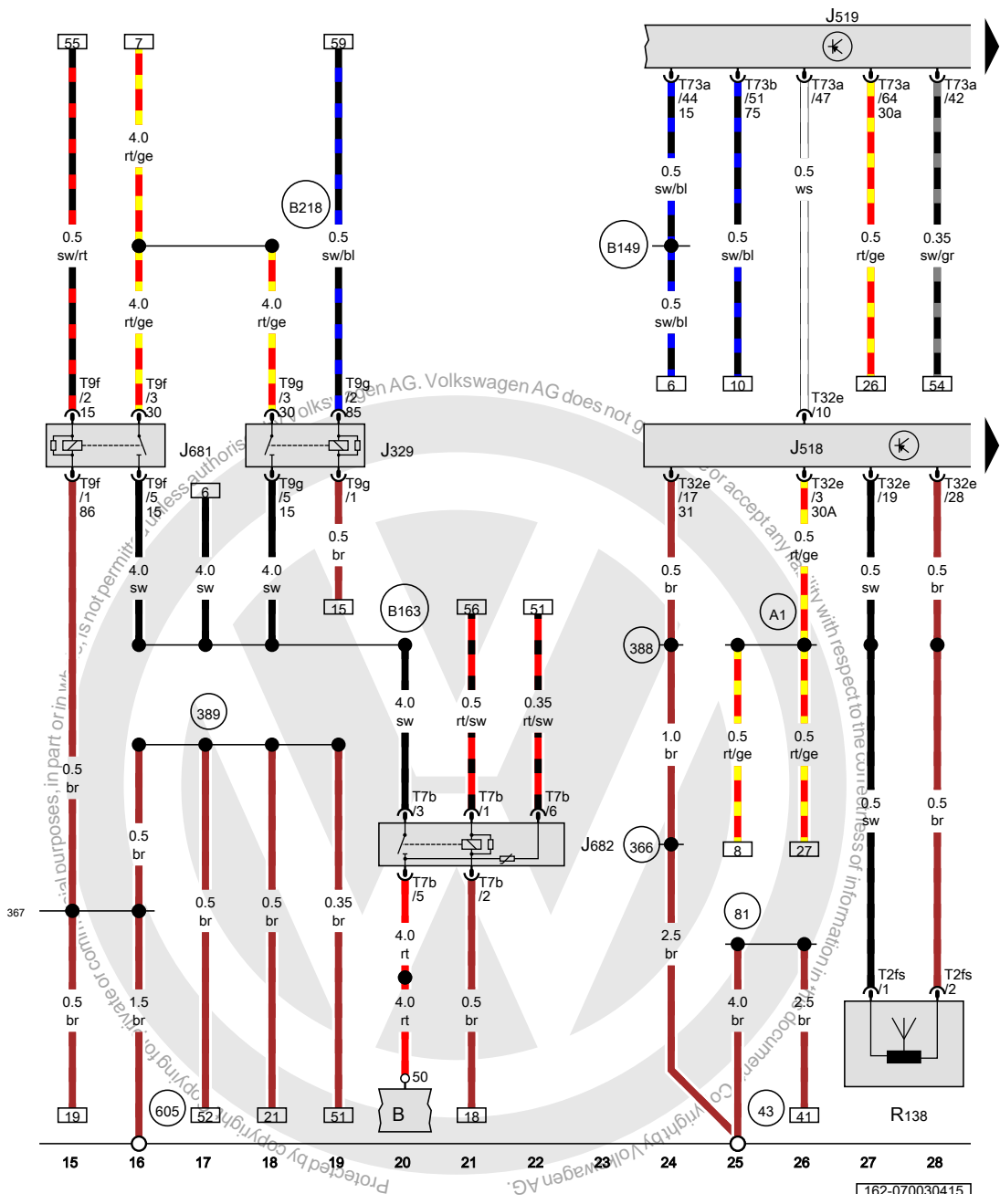




Fuse holder B, Fuse holder C

- A Battery
 - SA4 Fuse 4 in fuse holder A
 - SB Fuse holder B
 - SC Fuse holder C
 - SC2 Fuse 2 on fuse holder C
 - SC15 Fuse 15 on fuse holder C
 - SC24 Fuse 24 on fuse holder C
 - SB25 Fuse 25 on fuse holder B
 - SC29 Fuse 29 on fuse holder C
-
- (44) Earth point, lower part of left A-pillar
 - (367) Earth connection 2, in main wiring harness
 - (386) Earth connection 21, in main wiring harness
 - (508) Threaded connection (30) on E-box
 - (B111) Positive connection 1 (30a), in interior wiring harness
 - (B169) Positive connection 1 (30), in interior wiring harness
 - (B170) Positive connection 2 (30), in interior wiring harness
 - (B172) Positive connection 4 (30), in interior wiring harness
- * Gradually discontinued
 *2 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

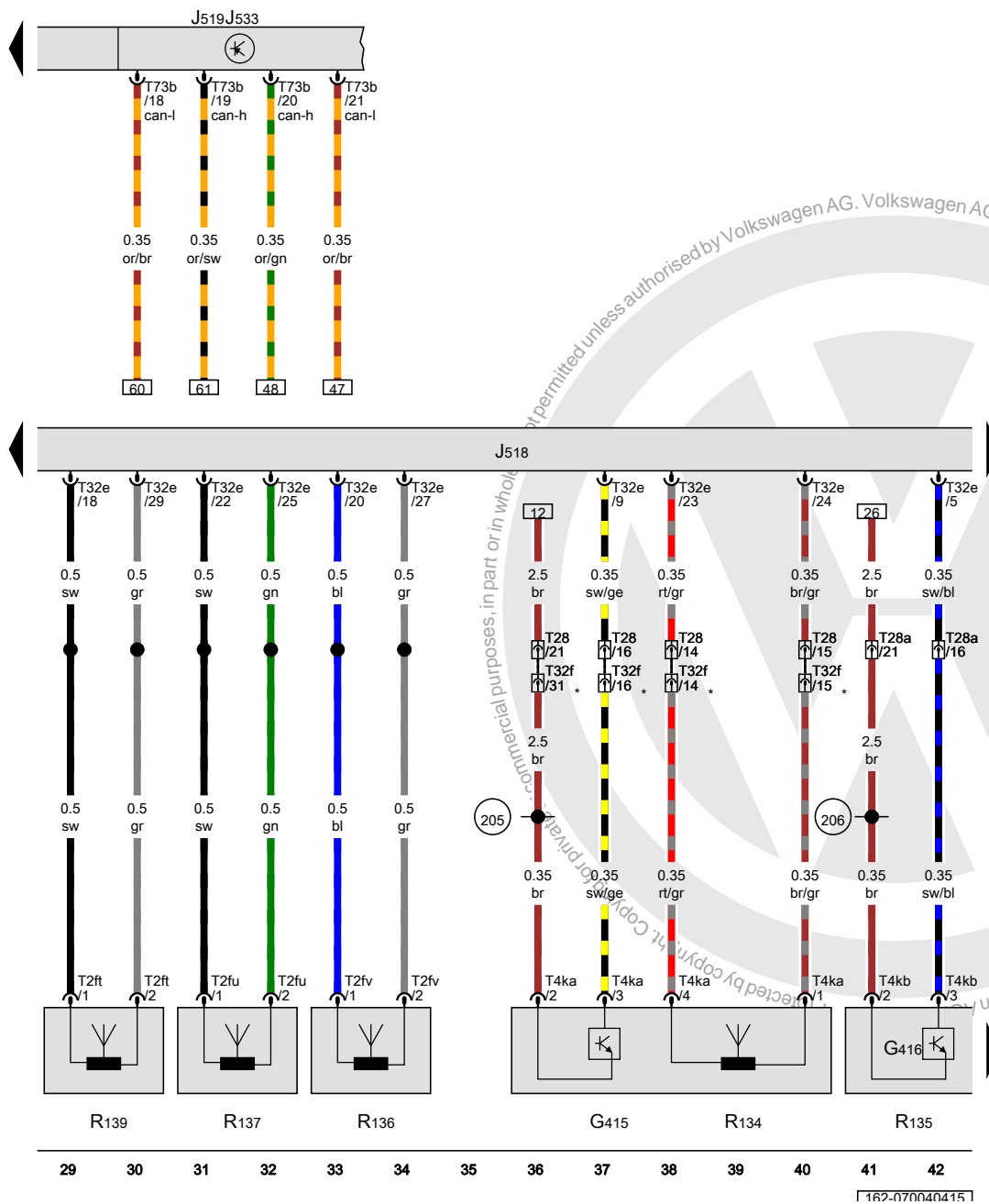


Entry and start authorisation control unit, Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Interior aerial 1 for entry and start system

- B Starter
- J329 Terminal 15 voltage supply relay
- J518 Entry and start authorisation control unit
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- R138 Interior aerial 1 for entry and start system, under centre console
- T2fs 2-pin connector
- T7b 7-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T32e 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 367 Earth connection 2, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- A1 Positive connection (30a), in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



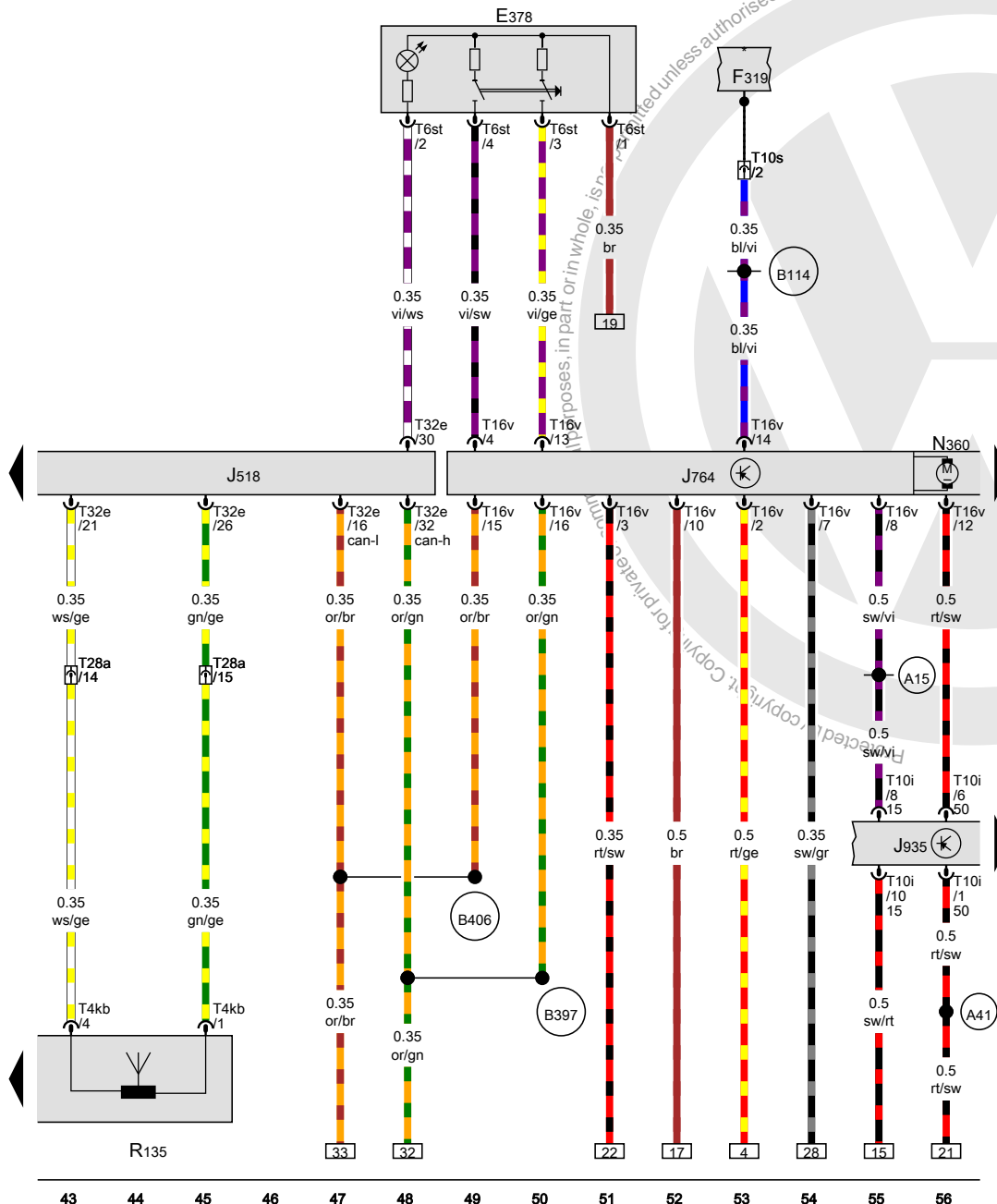
Driver door exterior handle contact sensor, Front passenger door exterior handle contact sensor, Entry and start authorisation control unit, Onboard supply control unit, Driver side aerial for entry and start system, Passenger side aerial for entry and start system, Rear bumper aerial for entry and start system, Luggage compartment aerial for entry and start system, Interior aerial 2 for entry and start system

- G415 Driver door exterior handle contact sensor
- G416 Front passenger door exterior handle contact sensor
- J518 Entry and start authorisation control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R134 Driver side aerial for entry and start system
- R135 Passenger side aerial for entry and start system
- R136 Rear bumper aerial for entry and start system
- R137 Luggage compartment aerial for entry and start system
- R139 Interior aerial 2 for entry and start system, in interior
- T2ft 2-pin connector
- T2fu 2-pin connector
- T2fv 2-pin connector
- T4ka 4-pin connector
- T4kb 4-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32e 32-pin connector
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73b 73-pin connector

- 205 Earth connection, in driver door wiring harness
 - 206 Earth connection, in front passenger door wiring harness
- Only models with sound system

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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Starter button, Entry and start authorisation control unit, Control unit for electronic steering column lock, Converter box, Passenger side aerial for entry and start system

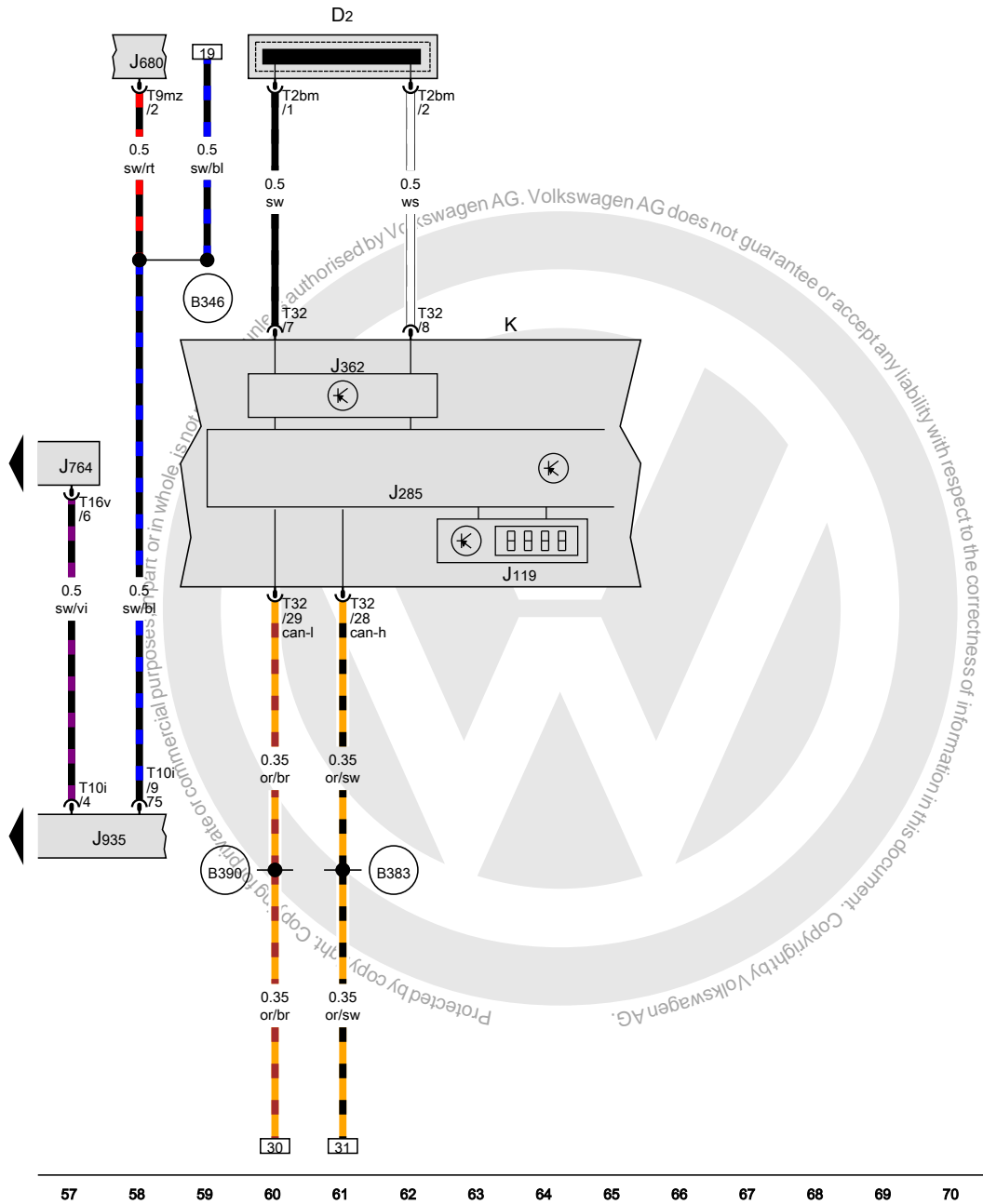


- E378 Starter button
- F319 Selector lever locked in position P switch
- J518 Entry and start authorisation control unit
- J764 Control unit for electronic steering column lock
- J935 Converter box
- N360 Steering column lock control element
- R135 Passenger side aerial for entry and start system
- T4kb 4-pin connector
- T6st 6-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T16v 16-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32e 32-pin connector
- (A15) Positive connection (15), in instrument wiring harness
- (A41) Positive connection (50), in dash panel wiring harness
- (B114) Connection (inhibitor switch), in interior wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with automatic gearbox

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- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-070050415

Immobiliser reader coil, Multifunction indicator, Immobiliser control unit, Control unit for electronic steering column lock, Converter box, Dash panel insert

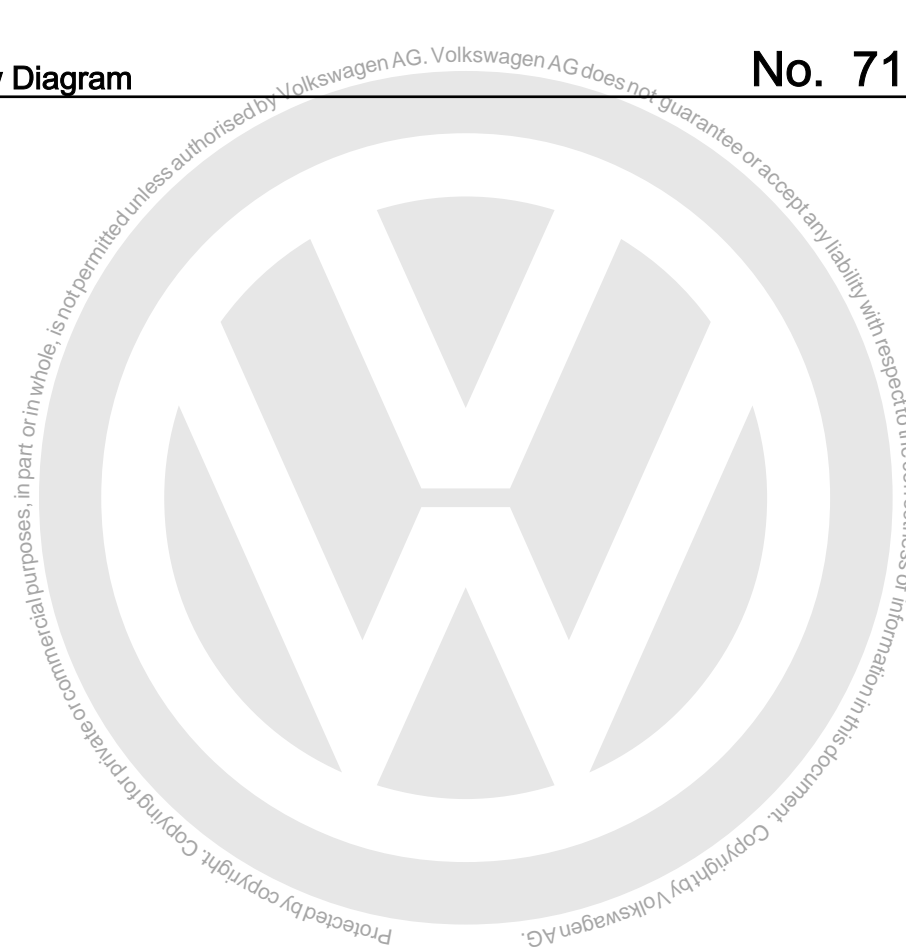


- D2 Immobiliser reader coil
 - J119 Multifunction indicator
 - J285 Control unit in dash panel insert
 - J362 Immobiliser control unit
 - J680 Terminal 75 voltage supply relay 1
 - J764 Control unit for electronic steering column lock
 - J935 Converter box
 - K Dash panel insert
 - T2bm 2-pin connector
 - T9mz 9-pin connector
 - T10i 10-pin connector
 - T16v 16-pin connector
 - T32 32-pin connector
- (B346) Connection 1 (75), in main wiring harness
 - (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
 - (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness

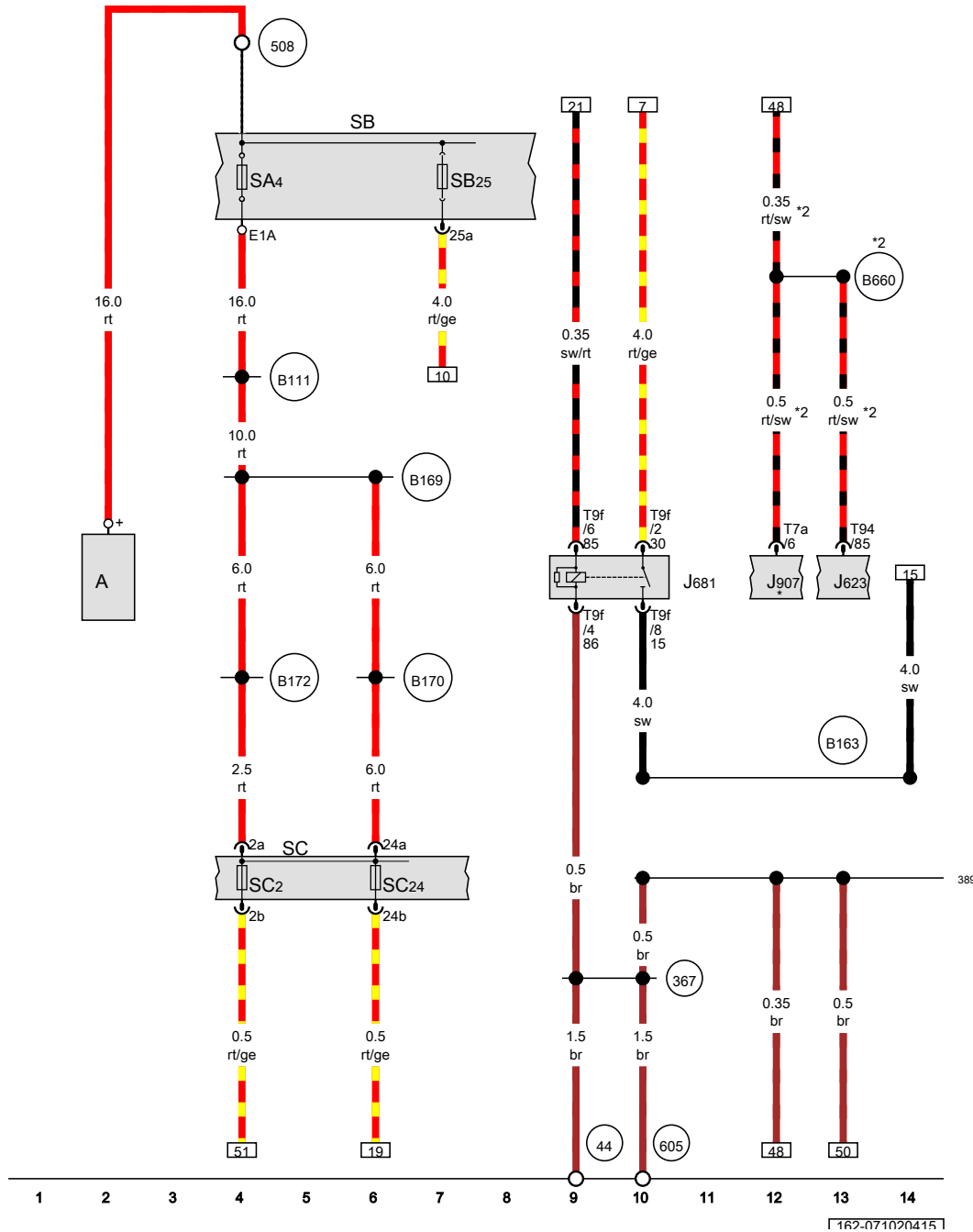
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

"Keyless access" locking and starting system , (AW1)

From April 2010

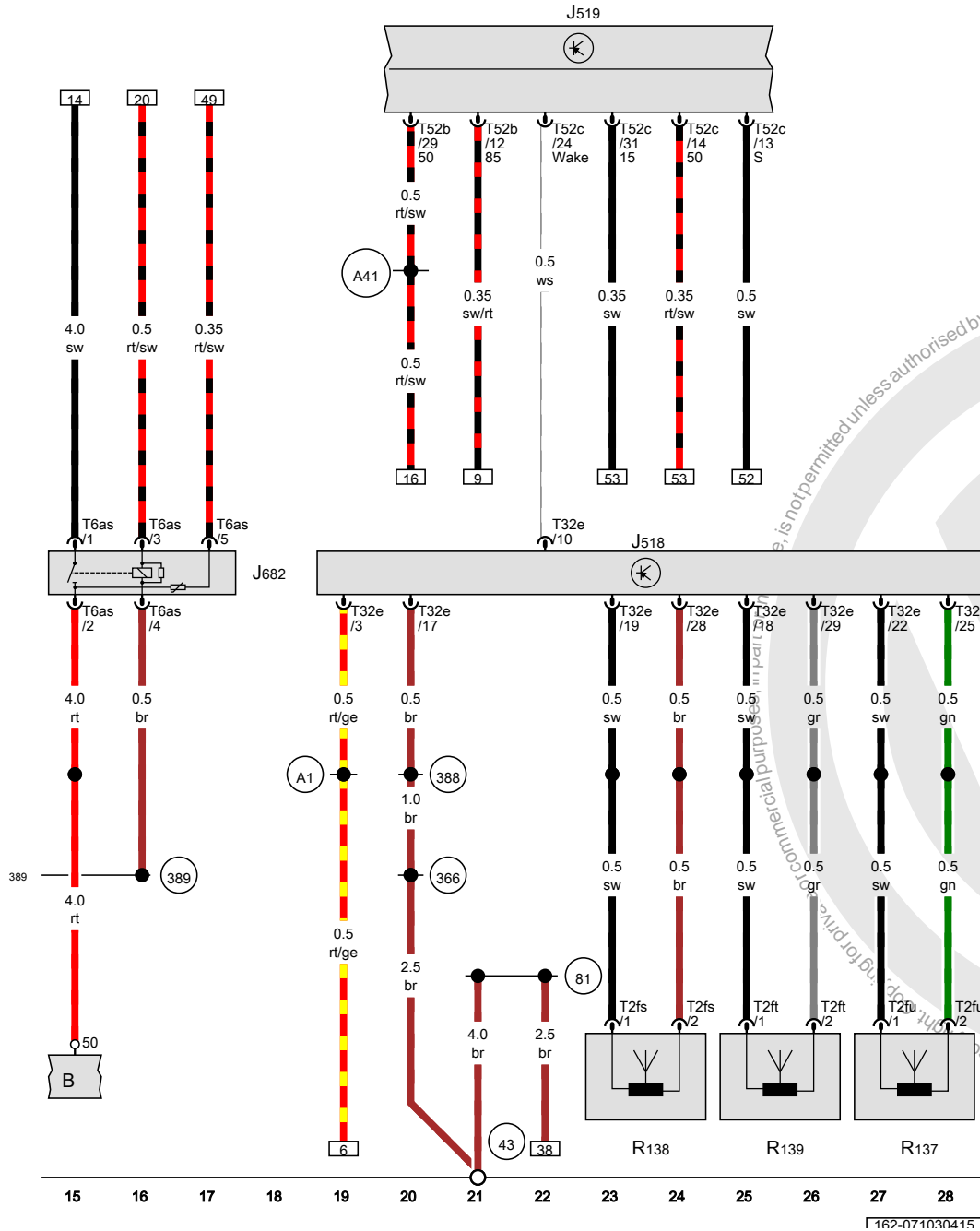


Terminal 15 voltage supply relay 2, Fuse holder B, Fuse holder C



- A Battery
- J623 Engine control unit
- J681 Terminal 15 voltage supply relay 2
- J907 Starter relay 2
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SB25 Fuse 25 on fuse holder B
- T7a 7-pin connector
- T9f 9-pin connector
- T94 94-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- * See applicable current flow diagram for start/stop system
- *2 Only models with stop/start system



Entry and start authorisation control unit, Onboard supply control unit, Terminal 50 voltage supply relay, Luggage compartment aerial for entry and start system, Interior aerial 1 for entry and start system, Interior aerial 2 for entry and start system

- B Starter
- J518 Entry and start authorisation control unit
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- R137 Luggage compartment aerial for entry and start system
- R138 Interior aerial 1 for entry and start system, under centre console
- R139 Interior aerial 2 for entry and start system, in interior
- T2fs 2-pin connector
- T2ft 2-pin connector
- T2fu 2-pin connector
- T6as 6-pin connector, red
- T32e 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

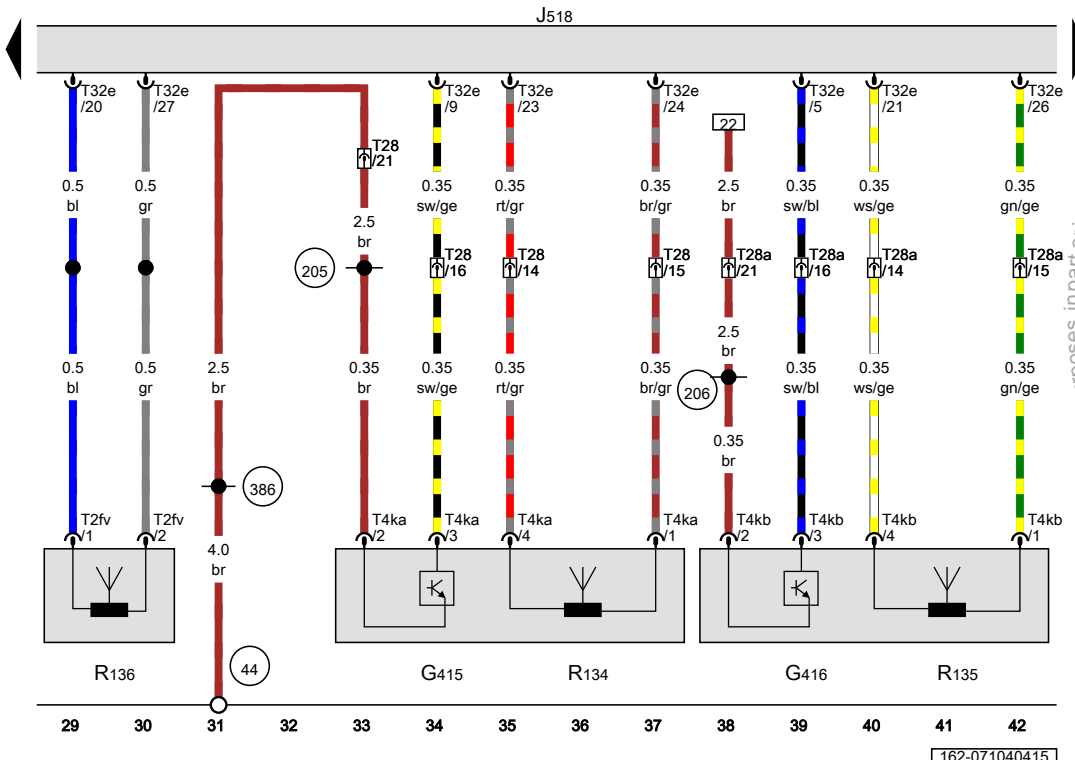
- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver door exterior handle contact sensor, Front passenger door exterior handle contact sensor, Entry and start authorisation control unit, Driver side aerial for entry and start system, Passenger side aerial for entry and start system, Rear bumper aerial for entry and start system

- G415 Driver door exterior handle contact sensor
- G416 Front passenger door exterior handle contact sensor
- J518 Entry and start authorisation control unit
- R134 Driver side aerial for entry and start system
- R135 Passenger side aerial for entry and start system
- R136 Rear bumper aerial for entry and start system
- T2fv 2-pin connector
- T4ka 4-pin connector
- T4kb 4-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32e 32-pin connector

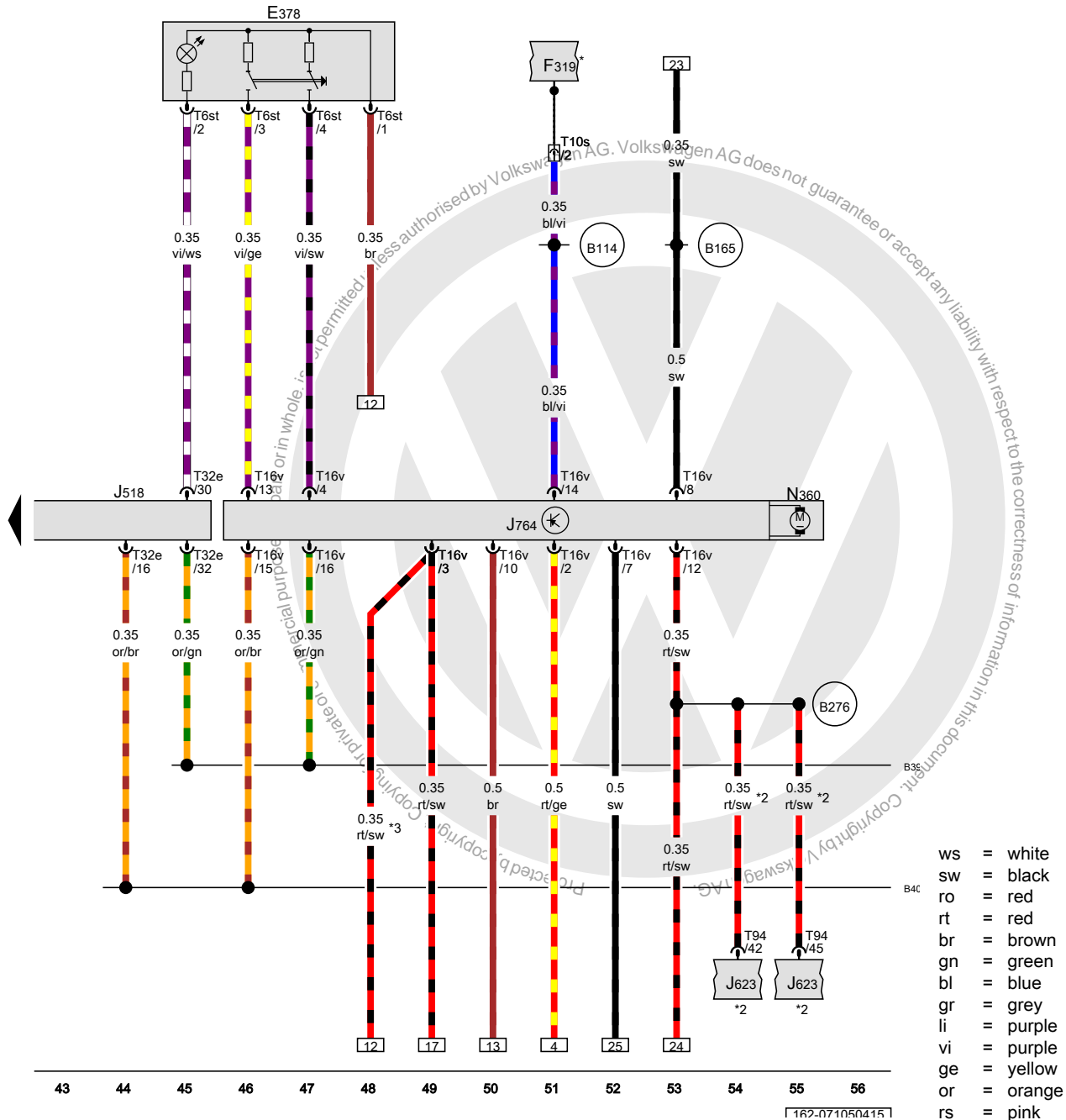
- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 386 Earth connection 21, in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
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- ge = yellow
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- rs = pink

162-0710404151

Starter button, Entry and start authorisation control unit, Control unit for electronic steering column lock

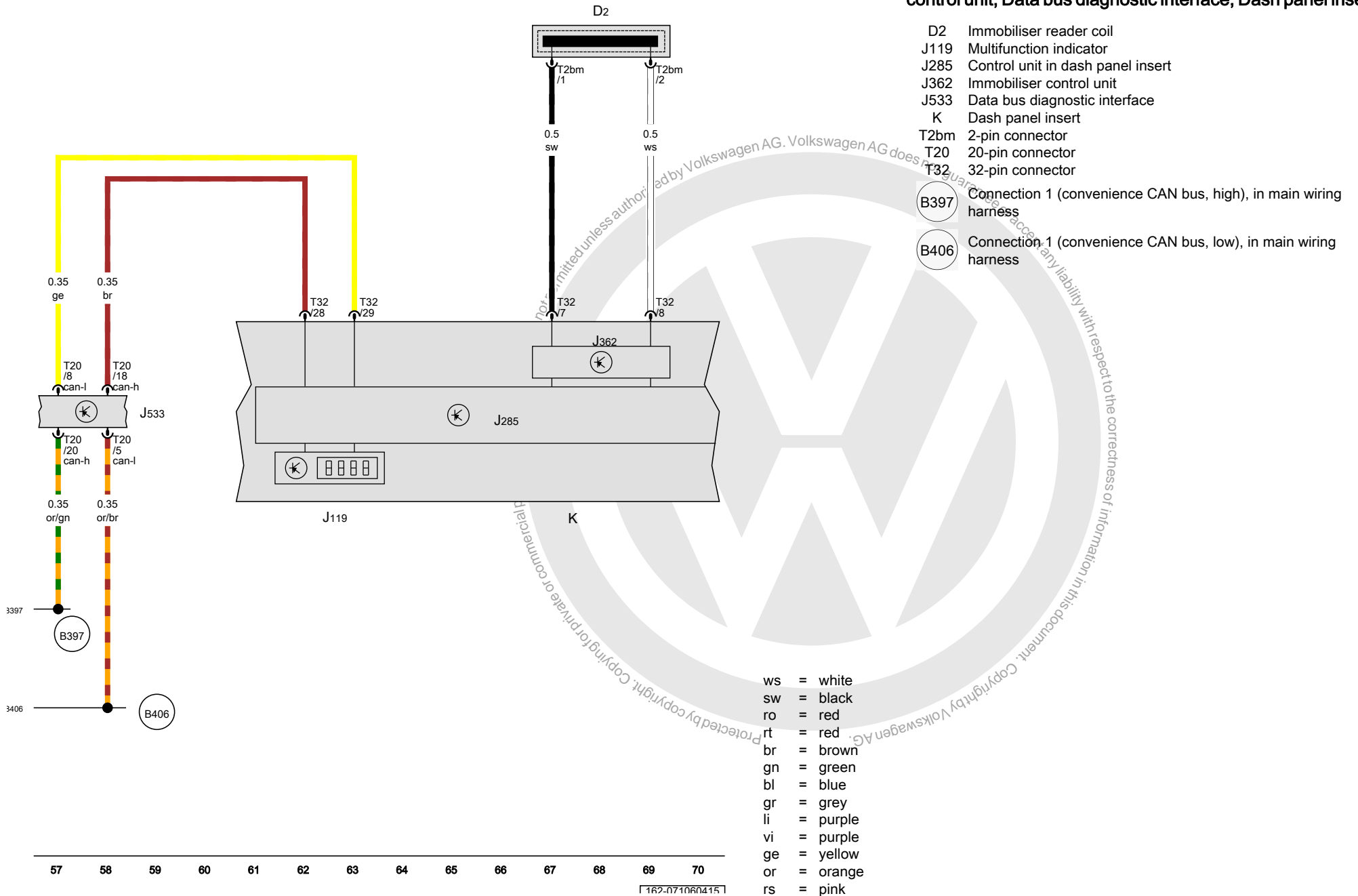


- E378 Starter button
- F319 Selector lever locked in position P switch
- J518 Entry and start authorisation control unit
- J623 Engine control unit
- J764 Control unit for electronic steering column lock
- N360 Steering column lock control element
- T6st 6-pin connector
- T10s 10-pin connector
- T16v 16-pin connector
- T32e 32-pin connector
- T94 94-pin connector
- B114 Connection (inhibitor switch), in interior wiring harness
- B165 Positive connection 2 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with automatic gearbox
- *2 see applicable current flow diagram for engine
- *3 Only models with stop/start system

43 44 45 46 47 48 49 50 51 52 53 54 55 56

[162-071050415]

Immobiliser reader coil, Multifunction indicator, Immobiliser control unit, Data bus diagnostic interface, Dash panel insert



- D2 Immobiliser reader coil
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- T2bm 2-pin connector
- T20 20-pin connector
- T32 32-pin connector
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

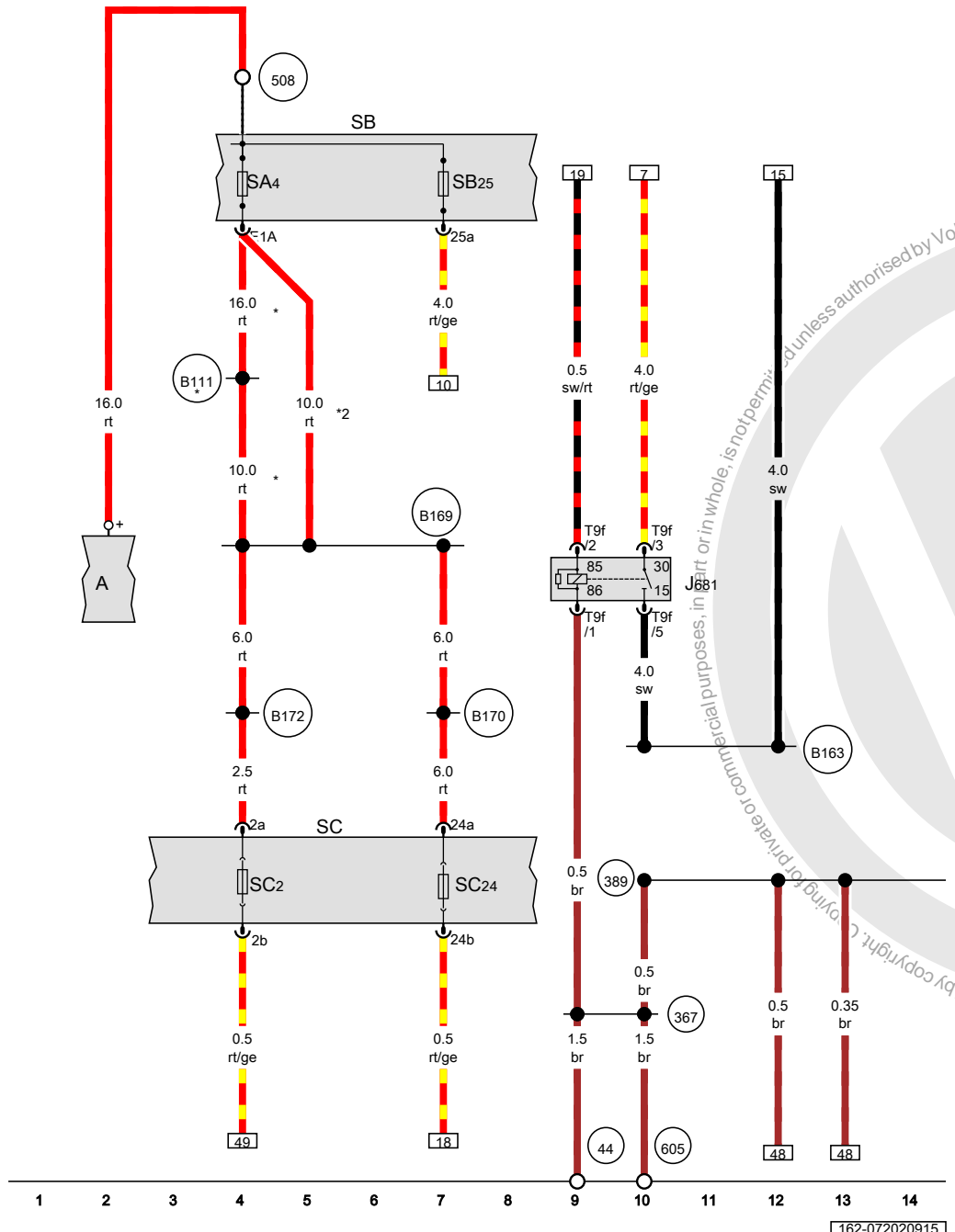
- ws = white
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"Keyless access" locking and starting system , (AW1)

From June 2011



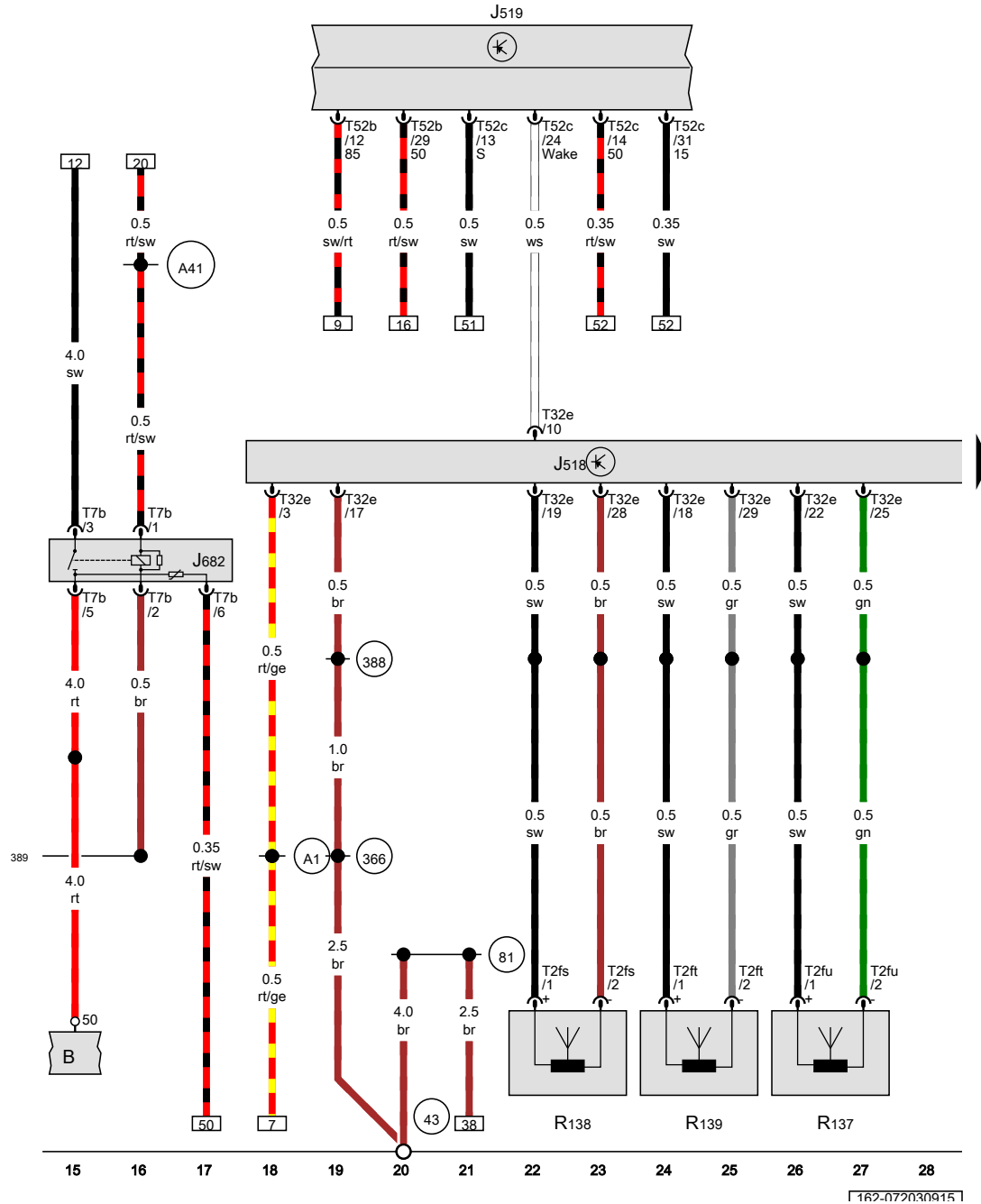
Terminal 15 voltage supply relay 2, Fuse holder B, Fuse holder C



- A Battery
- J681 Terminal 15 voltage supply relay 2
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SB25 Fuse 25 on fuse holder B
- T9f 9-pin connector
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness

* Gradually discontinued
*2 gradual introduction

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Entry and start authorisation control unit, Onboard supply control unit, Terminal 50 voltage supply relay, Luggage compartment aerial for entry and start system, Interior aerial 1 for entry and start system, Interior aerial 2 for entry and start system

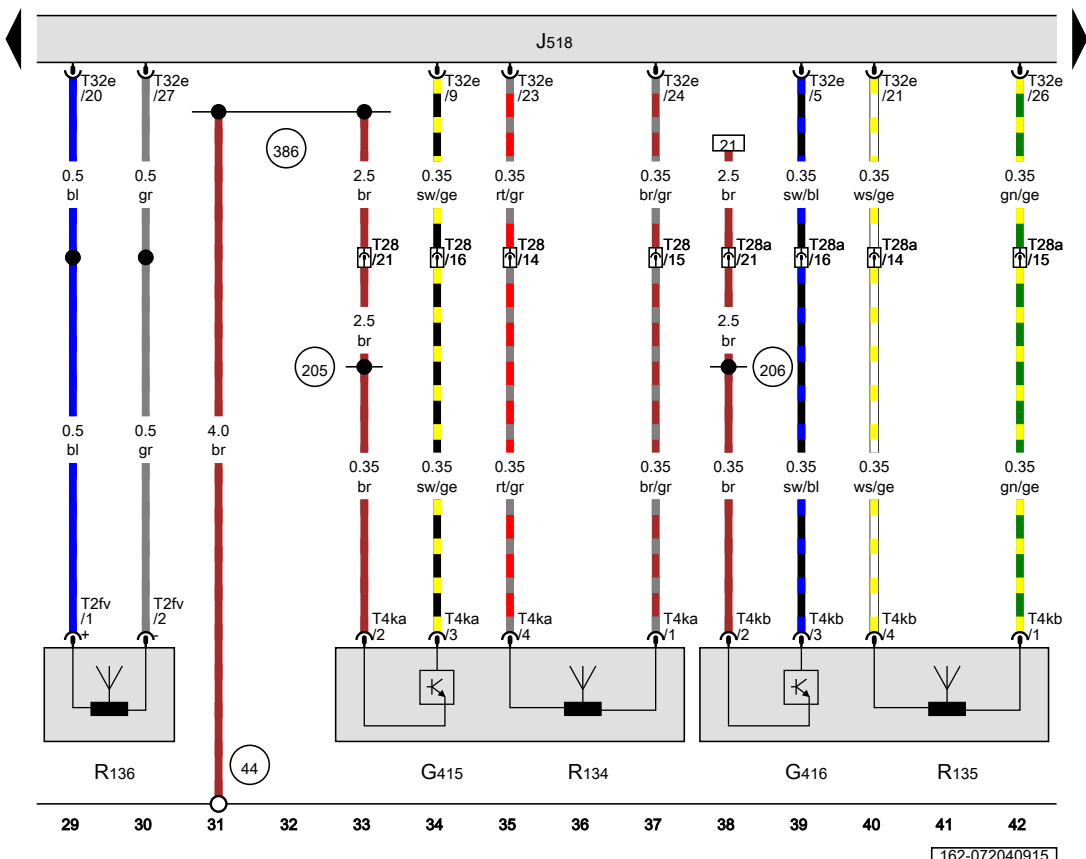
- B Starter
- J518 Entry and start authorisation control unit
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- R137 Luggage compartment aerial for entry and start system
- R138 Interior aerial 1 for entry and start system, under centre console
- R139 Interior aerial 2 for entry and start system, in interior
- T2fs 2-pin connector
- T2ft 2-pin connector
- T2fu 2-pin connector
- T7b 7-pin connector
- T32e 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness

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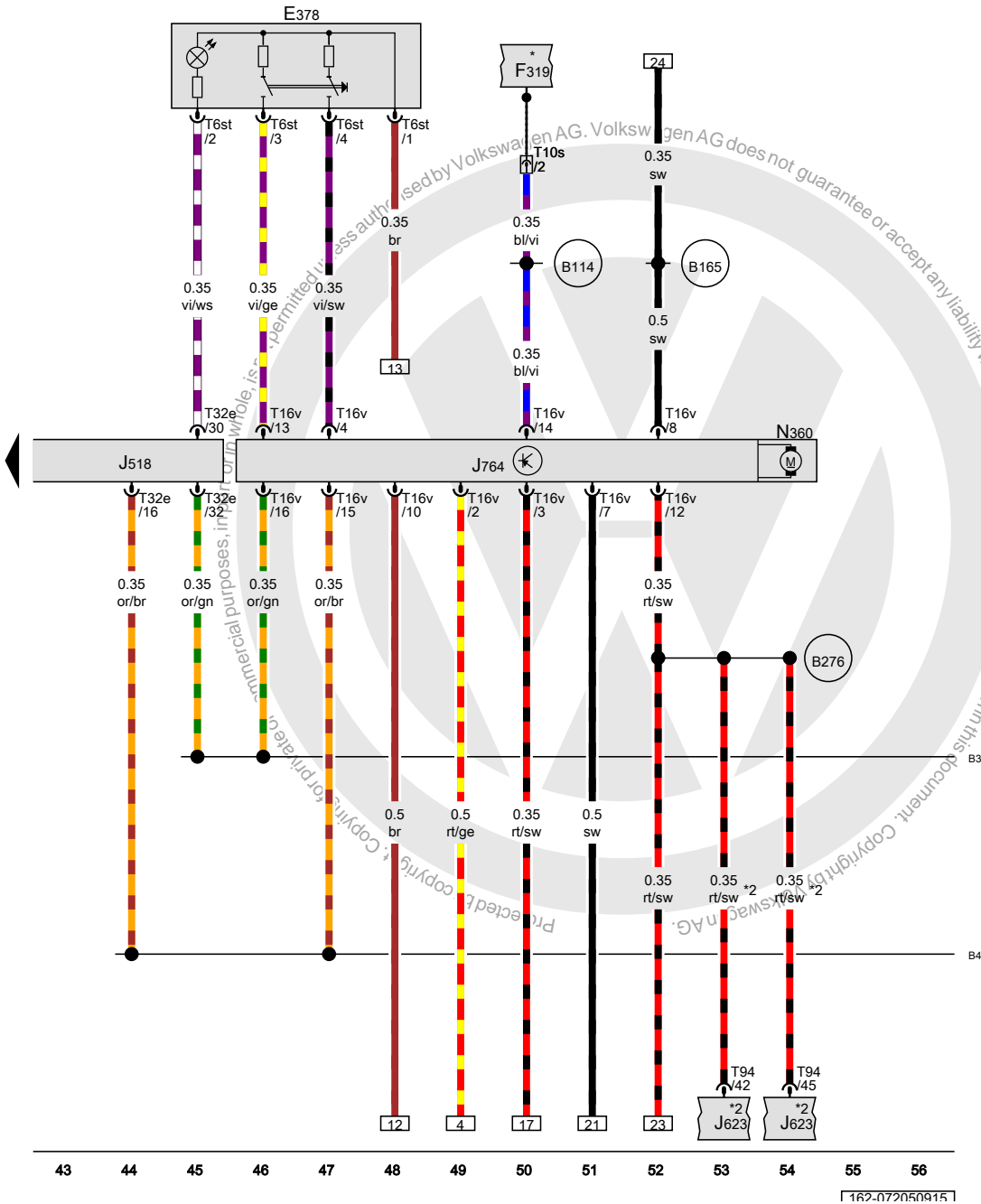
Driver door exterior handle contact sensor, Front passenger door exterior handle contact sensor, Entry and start authorisation control unit, Driver side aerial for entry and start system, Passenger side aerial for entry and start system, Rear bumper aerial for entry and start system

- G415 Driver door exterior handle contact sensor
- G416 Front passenger door exterior handle contact sensor
- J518 Entry and start authorisation control unit
- R134 Driver side aerial for entry and start system
- R135 Passenger side aerial for entry and start system
- R136 Rear bumper aerial for entry and start system
- T2fv 2-pin connector
- T4ka 4-pin connector
- T4kb 4-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32e 32-pin connector



- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 386 Earth connection 21, in main wiring harness

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- rt = red
- br = brown
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



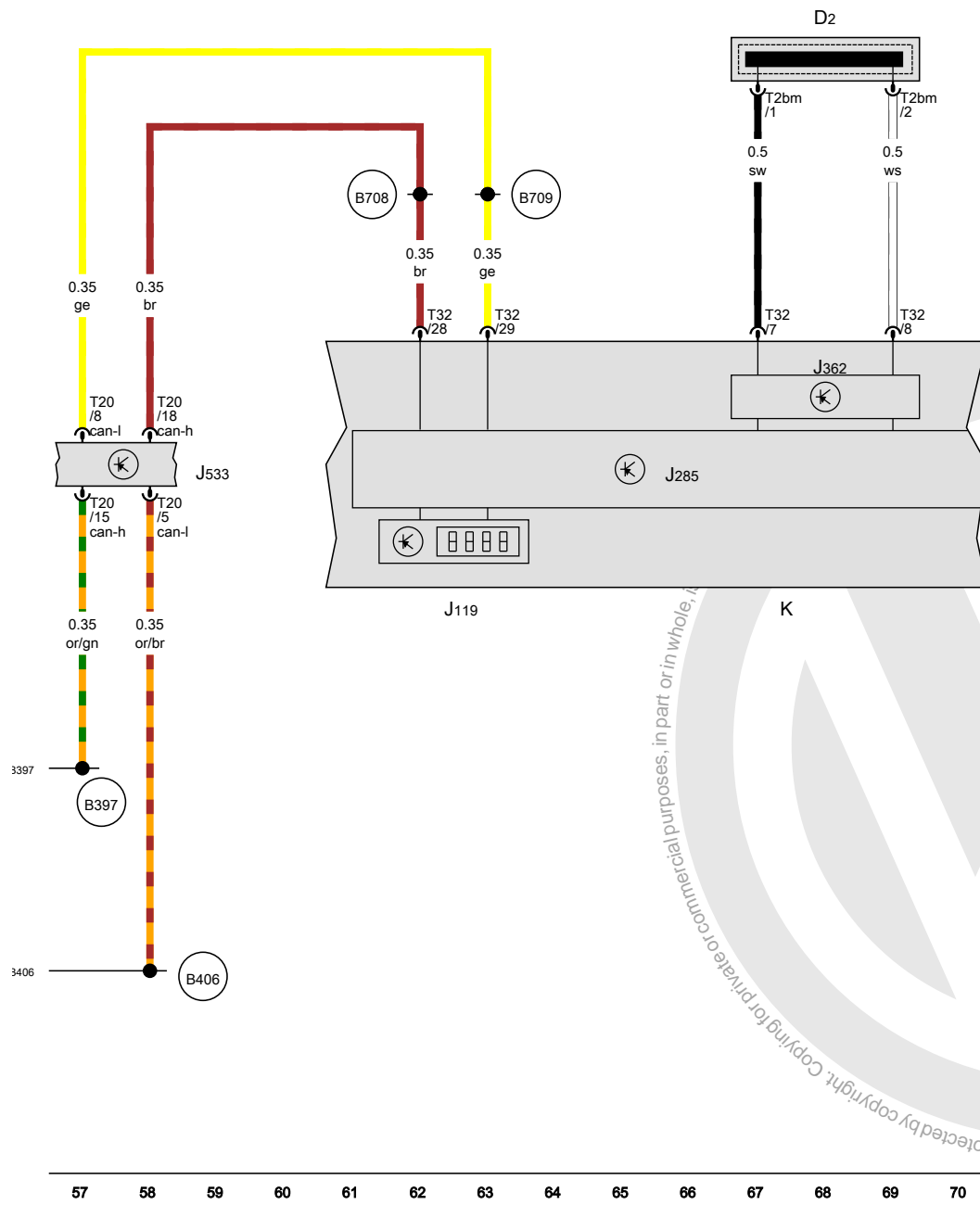
Starter button, Entry and start authorisation control unit, Control unit for electronic steering column lock

- E378 Starter button
- F319 Selector lever locked in position P switch
- J518 Entry and start authorisation control unit
- J623 Engine control unit
- J764 Control unit for electronic steering column lock
- N360 Steering column lock control element
- T6st 6-pin connector
- T10s 10-pin connector
- T16v 16-pin connector
- T32e 32-pin connector
- T94 94-pin connector

- (B114) Connection (inhibitor switch), in interior wiring harness
- (B165) Positive connection 2 (15), in interior wiring harness
- (B276) Positive connection (50), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with automatic gearbox
- *2 see applicable current flow diagram for engine

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Immobiliser reader coil, Multifunction indicator, Immobiliser control unit, Data bus diagnostic interface, Dash panel insert



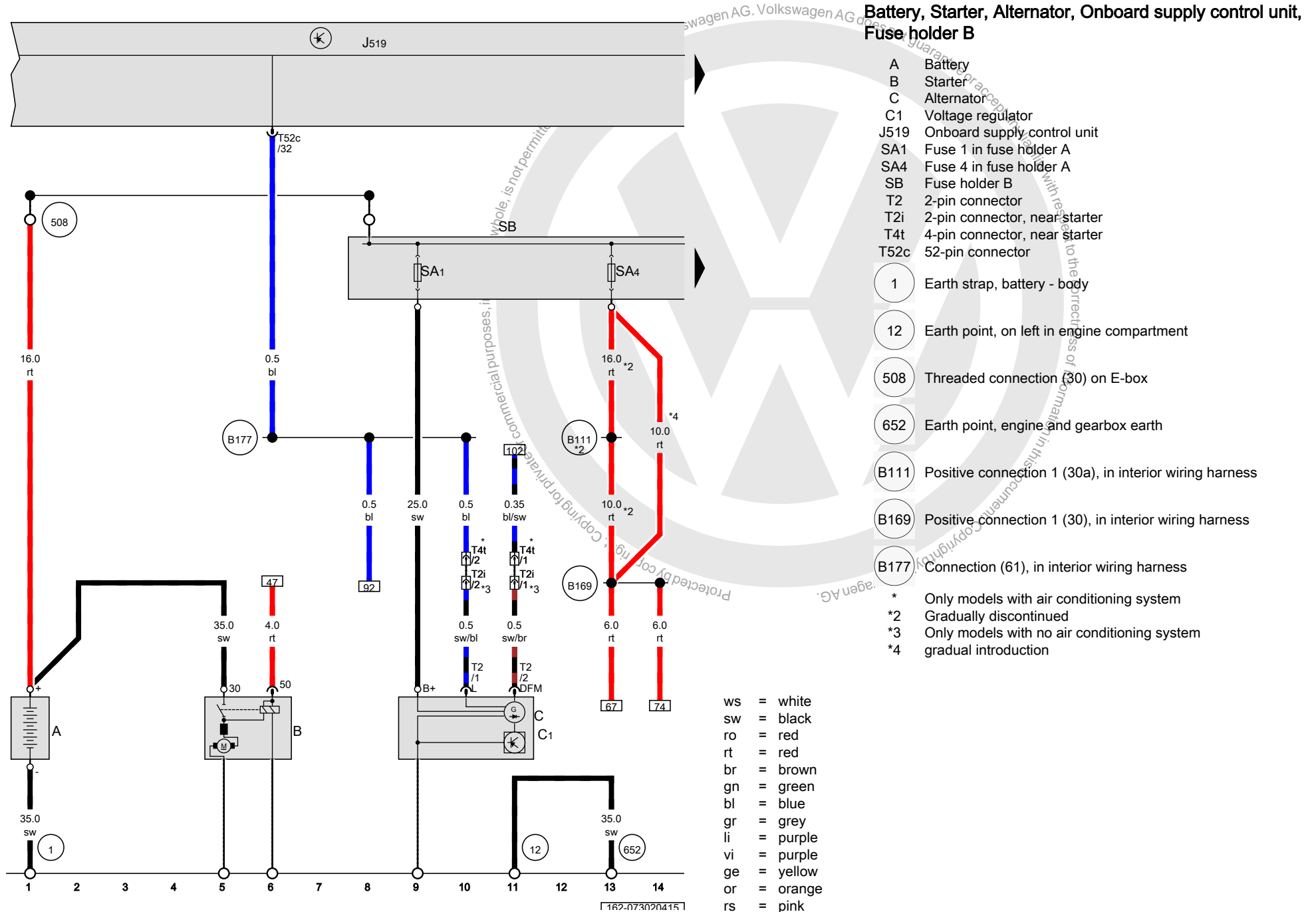
- D2 Immobiliser reader coil
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- T2bm 2-pin connector
- T20 20-pin connector
- T32 32-pin connector
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness

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- gn = green
- bl = blue
- gr = grey
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- ge = yellow
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- rs = pink

2.0l diesel engine , CFFB

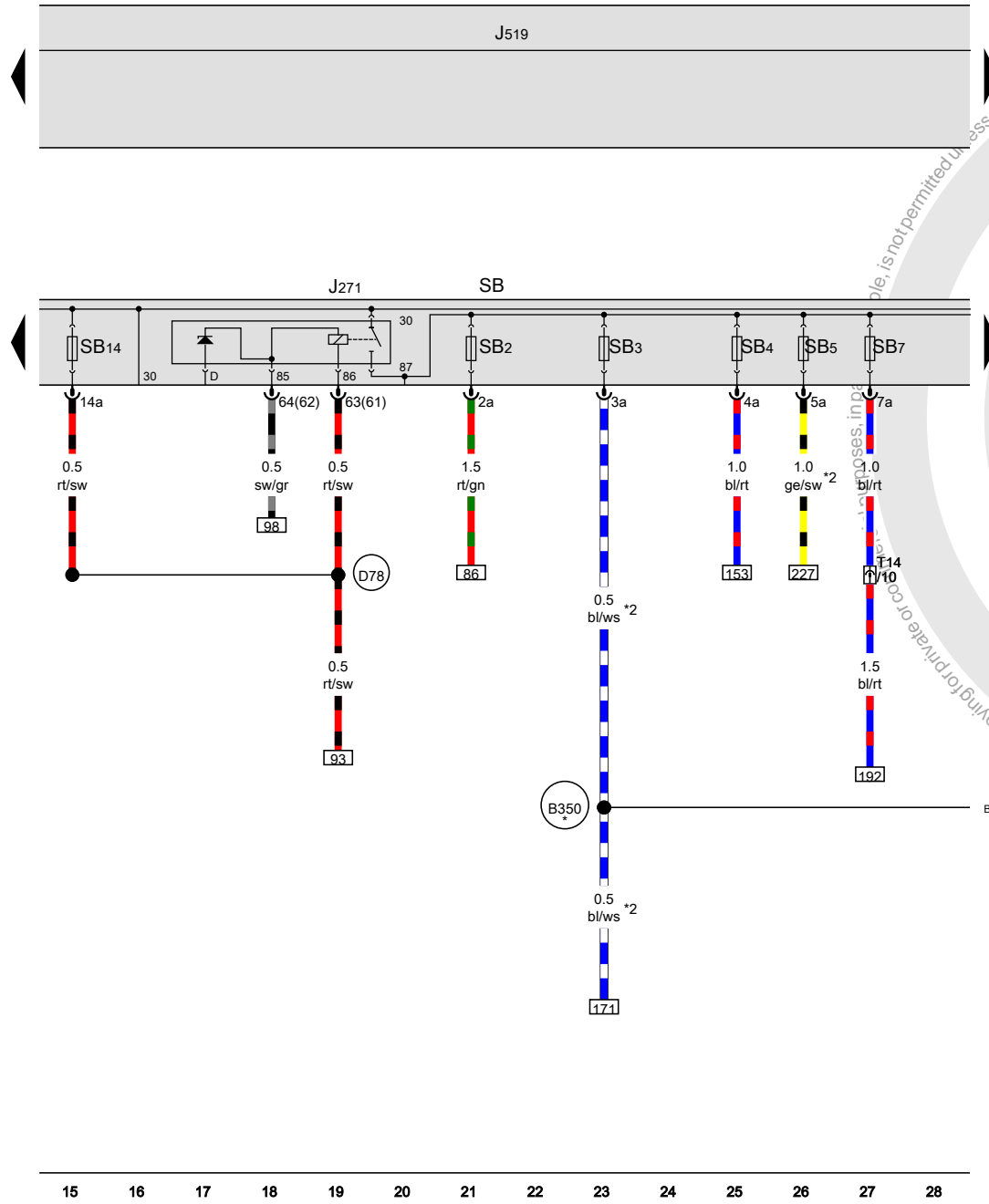
From October 2010





162-073020415

Main relay, Onboard supply control unit, Fuse holder B



- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector, near battery
- (B350) Positive connection 1 (87a) in main wiring harness
- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- * gradual introduction
- *2 Wiring colour depends on equipment

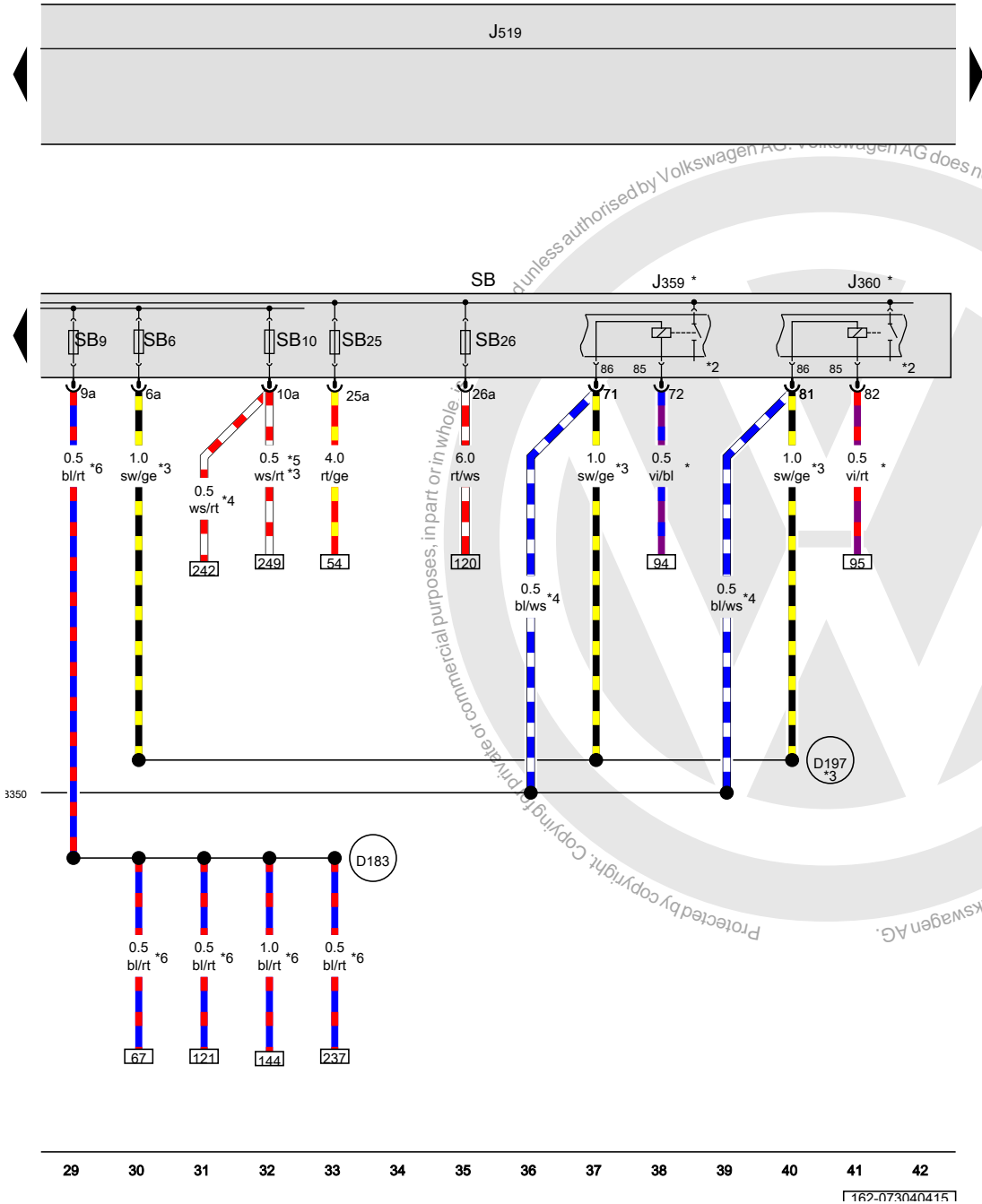
ws = white
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Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B

- (B350) Positive connection 1 (87a) in main wiring harness
- (D183) Connection 4 (87a) in engine compartment wiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness

- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Gradually discontinued
- *4 gradual introduction
- *5 Only models with manual gearbox
- *6 Wiring colour depends on equipment

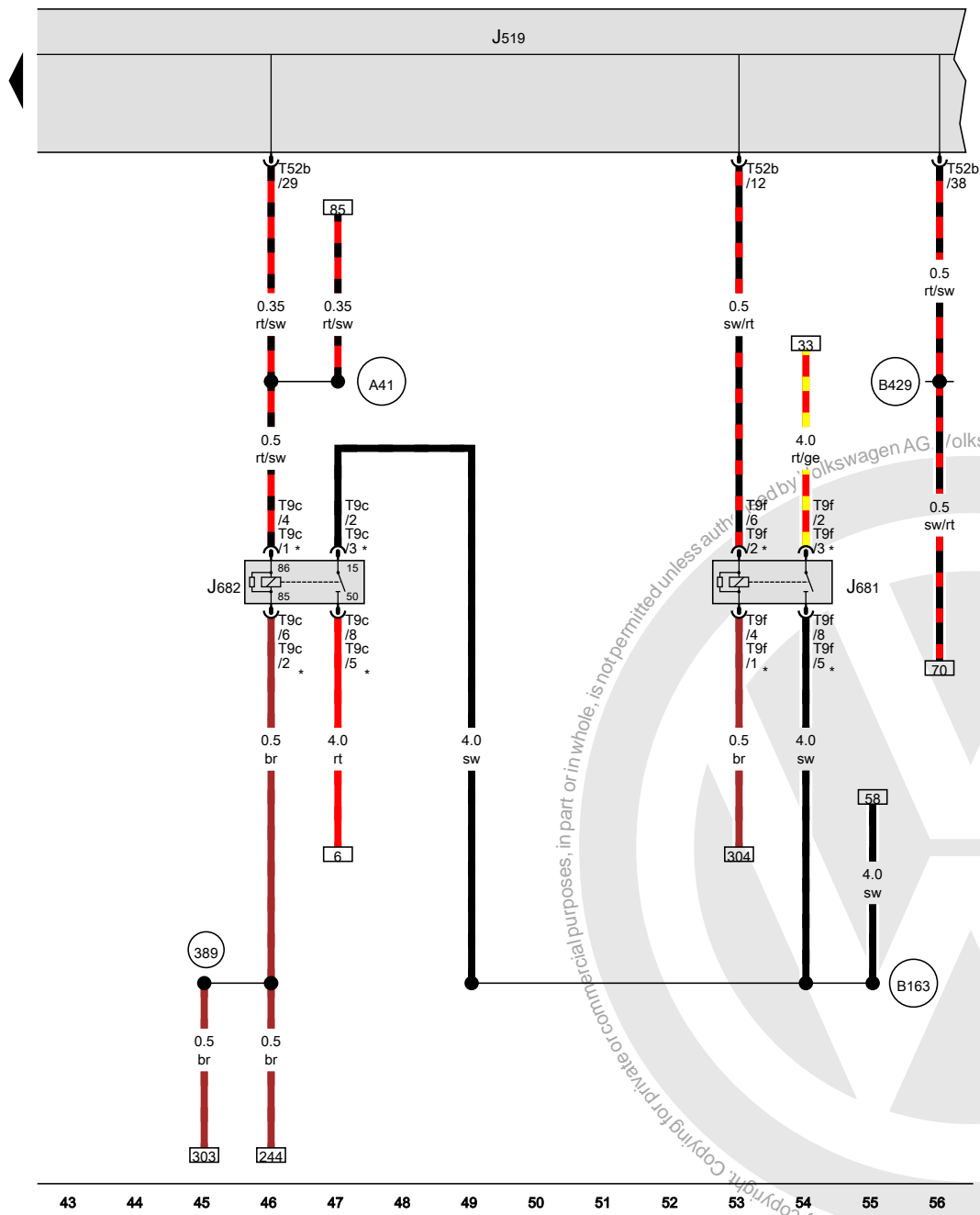


- ws = white
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Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B429 Connection (EFPR), in main wiring harness
- * gradual introduction



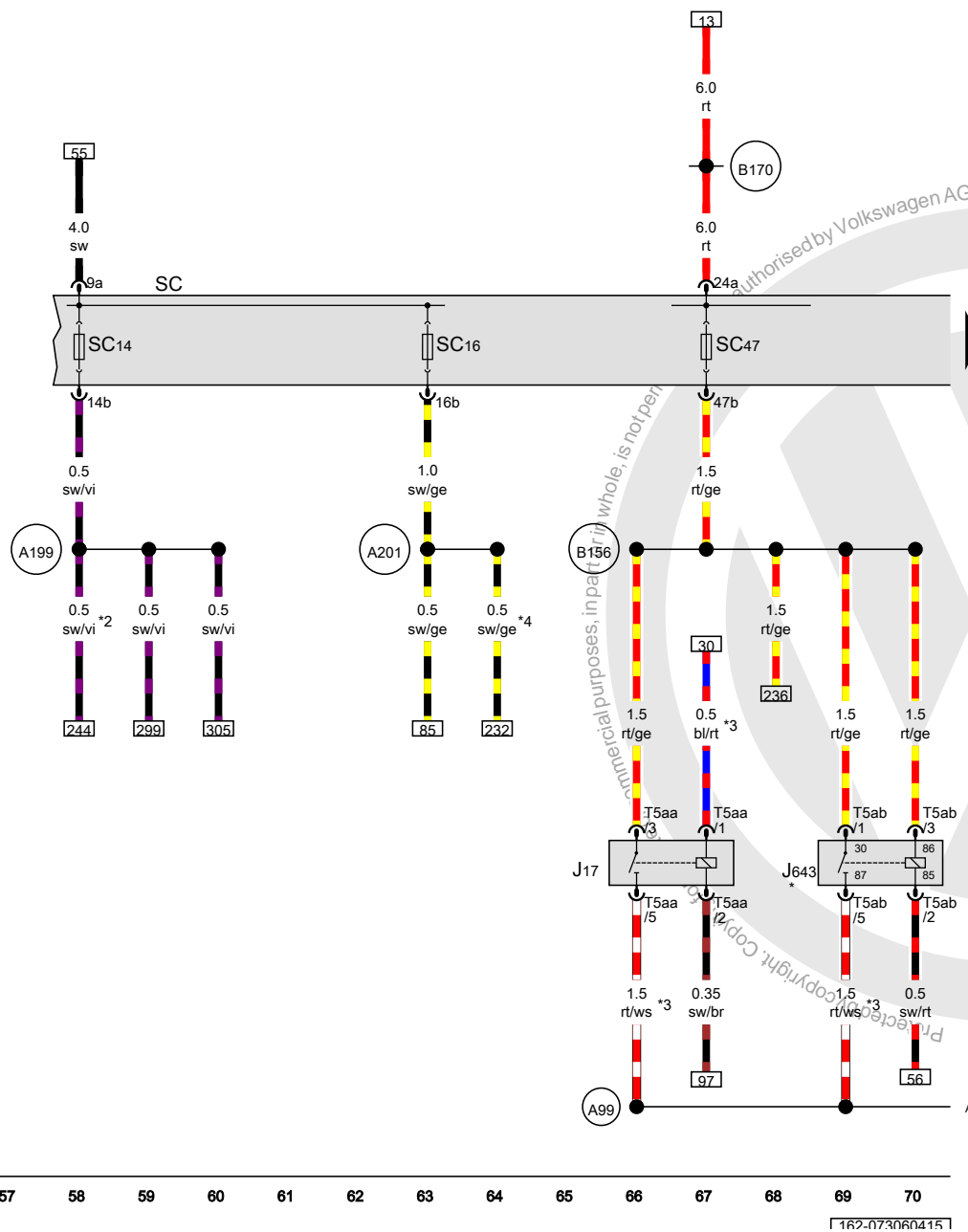
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162-073050415

Fuel pump relay, Fuel supply relay, Fuse holder C

- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector

- A99 Connection 1 (87) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with auxiliary coolant heater
- *2 Gradually discontinued
- *3 Wiring colour depends on equipment
- *4 Only models with crankcase breather heater element



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- or = orange
- rs = pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

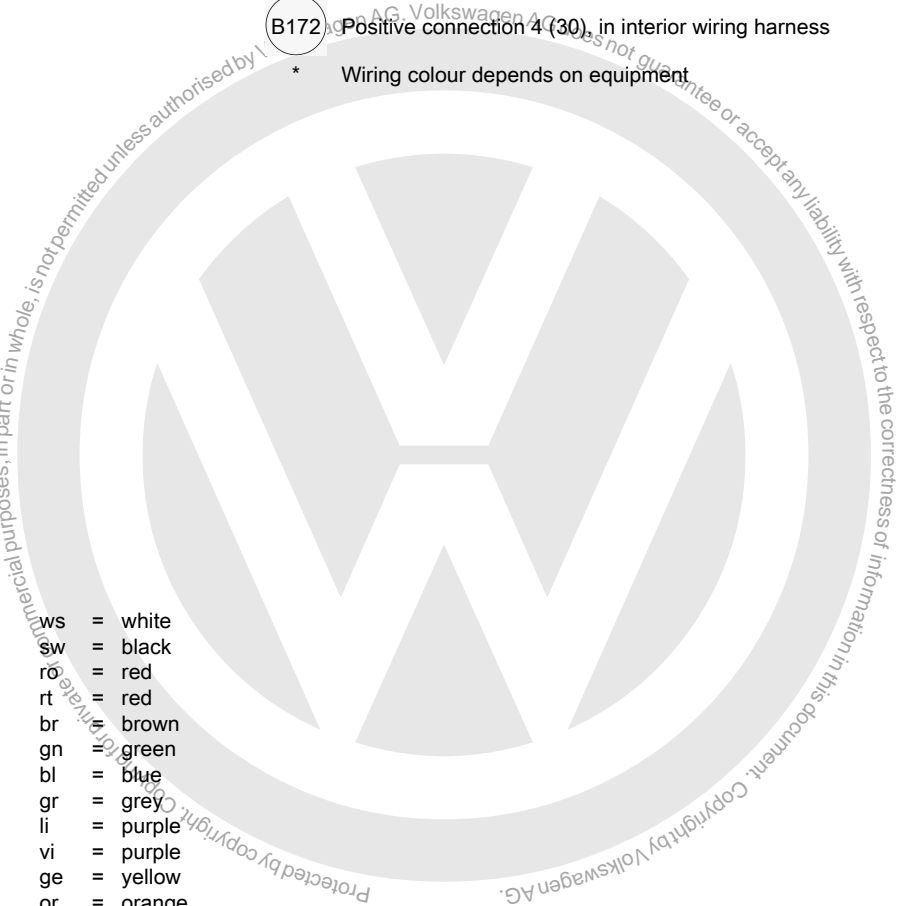
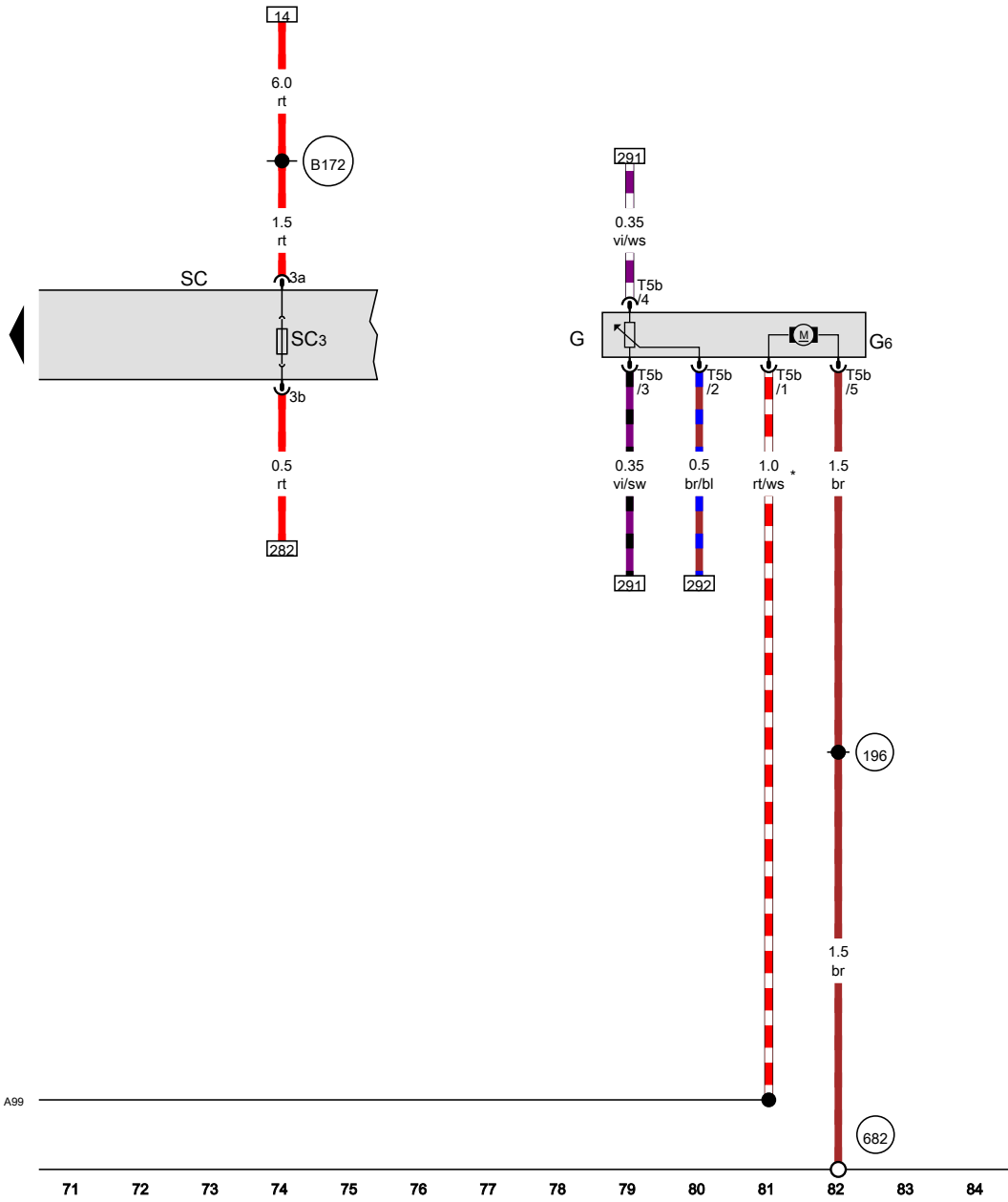
162-073060415

Fuel gauge sender, Fuel system pressurisation pump, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness

* Wiring colour depends on equipment



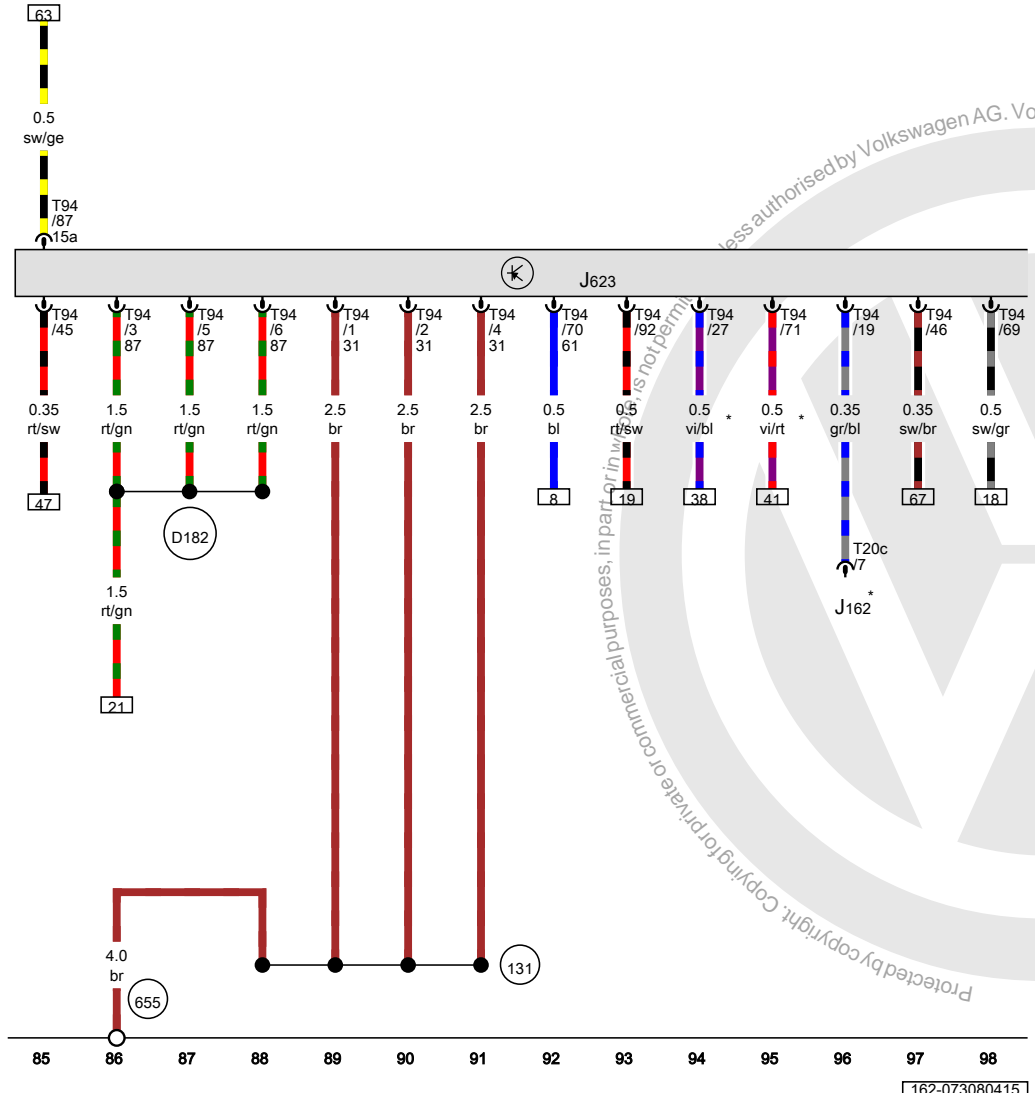
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- rs = pink

162-073070415

Heater control unit, Engine control unit

- J162 Heater control unit
- J623 Engine control unit
- T20c 20-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with auxiliary air heating



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162-073080415

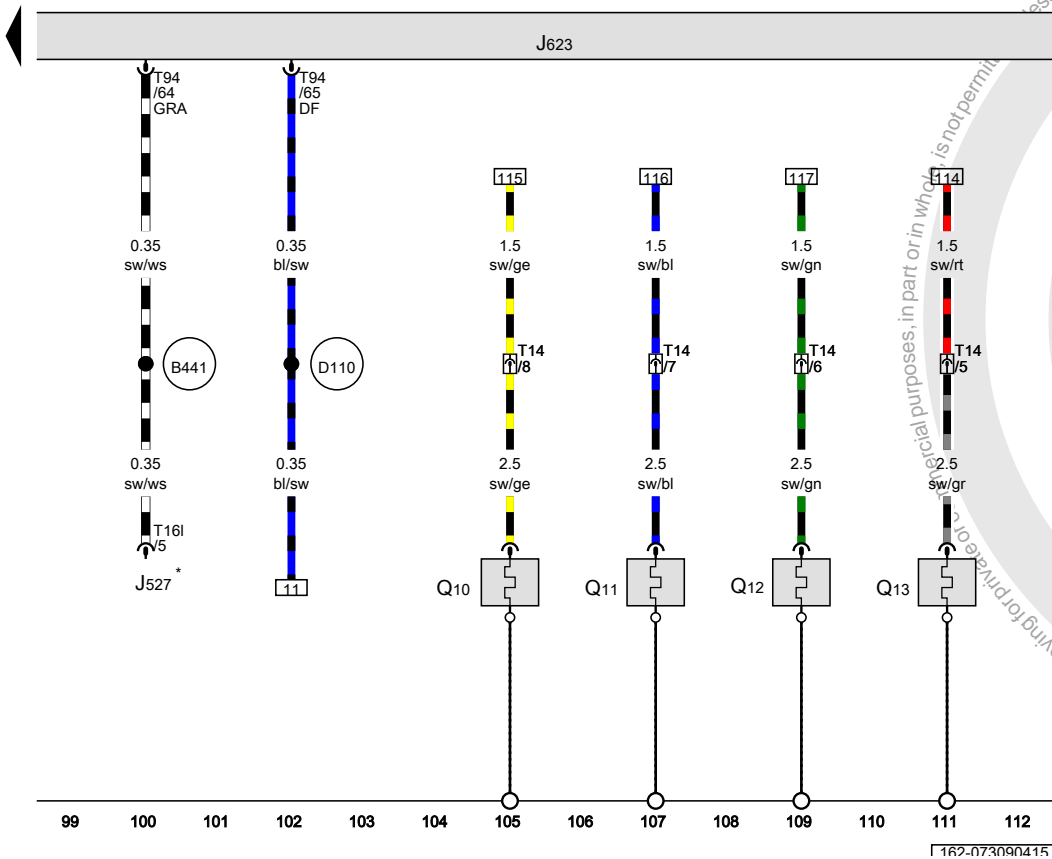
Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J527 Steering column electronics control unit
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T14 14-pin connector, near battery
- T16l 16-pin connector
- T94 94-pin connector

B441 Connection (CCS), in main wiring harness

D110 Connection, 8 in engine compartment wiring harness

* Only models with cruise control system (CCS)



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162-073090415

Automatic glow period control unit, Engine control unit

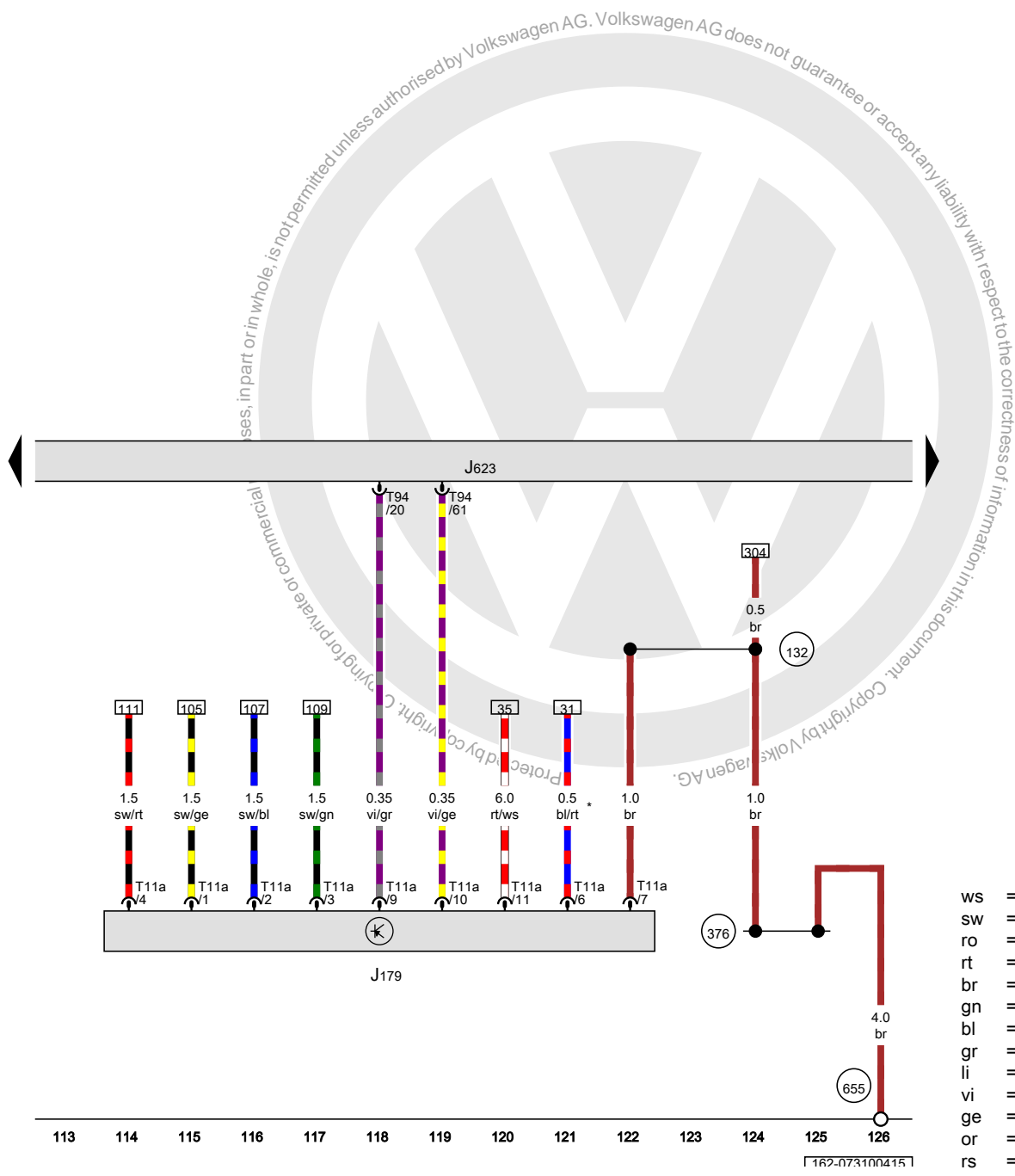
- J179 Automatic glow period control unit
- J623 Engine control unit
- T11a 11-pin connector
- T94 94-pin connector

132 Earth connection 3, in engine compartment wiring harness

376 Earth connection 11, in main wiring harness

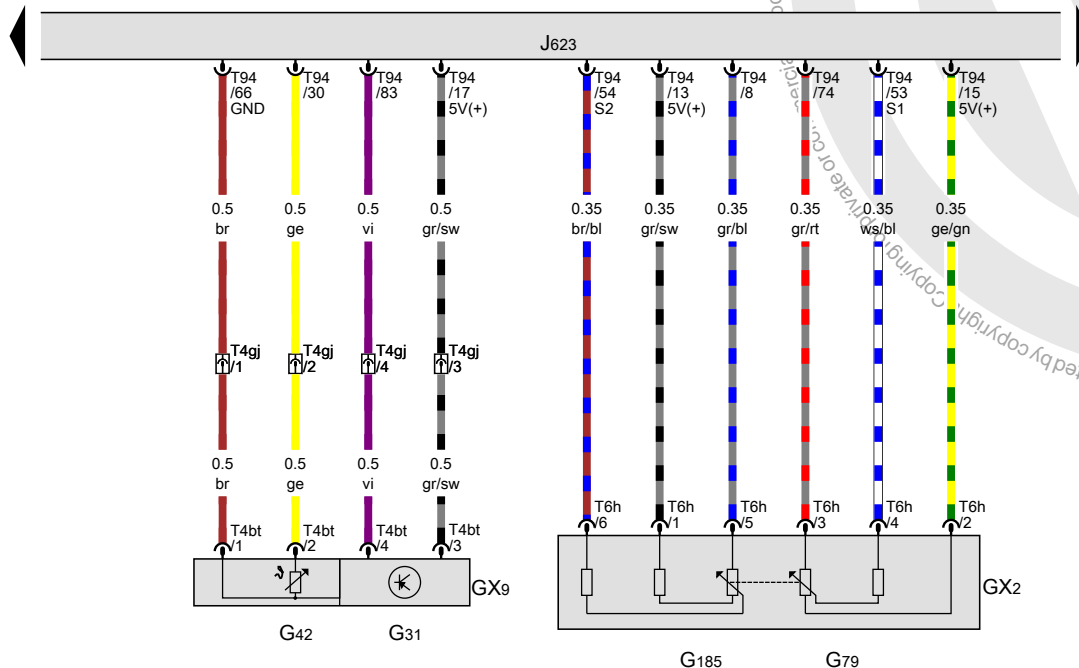
655 Earth point, on left headlight

* Wiring colour depends on equipment



Accelerator pedal module, Intake manifold sender, Charge pressure sender, Intake air temperature sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector



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127 128 129 130 131 132 133 134 135 136 137 138 139 140

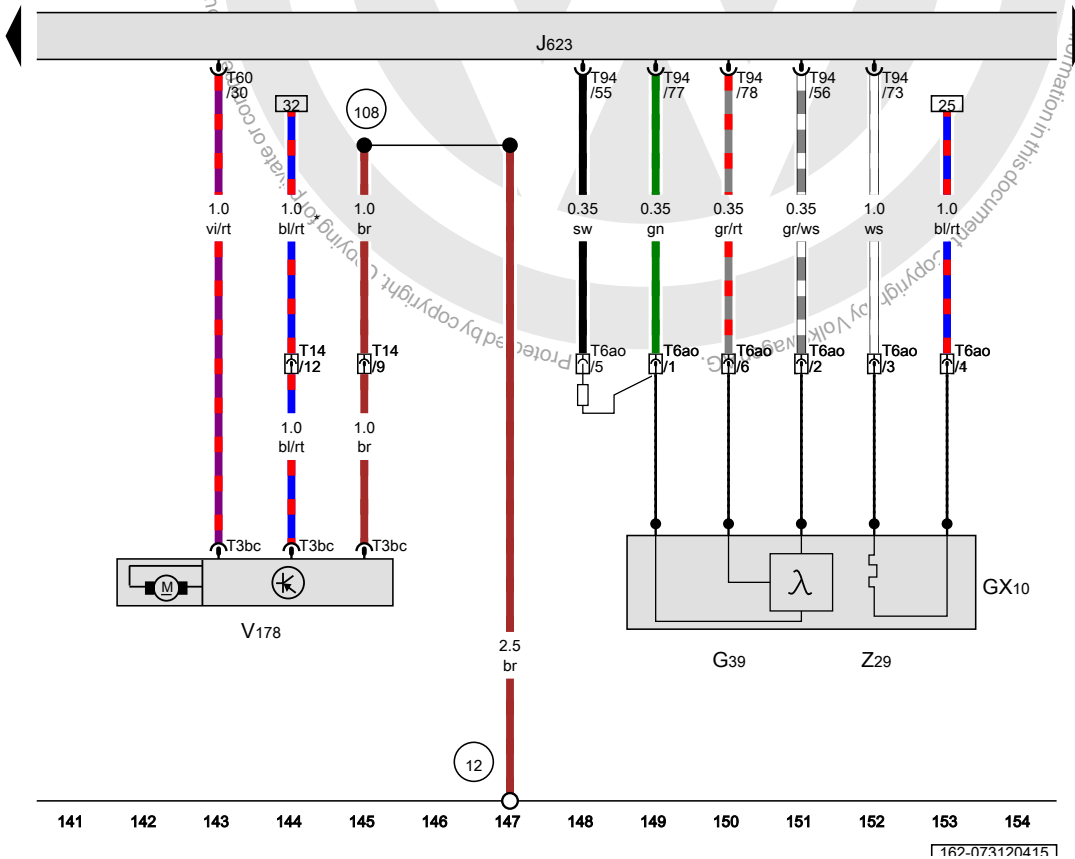
[162-073110415]

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Lambda probe 1 before catalytic converter, Lambda probe, Engine control unit, Coolant circulation pump 2, Lambda probe 1 heater after catalytic converter

- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- T3bc 3-pin connector
- T6ao 6-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2
- Z29 Lambda probe 1 heater after catalytic converter

- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- * Wiring colour depends on equipment

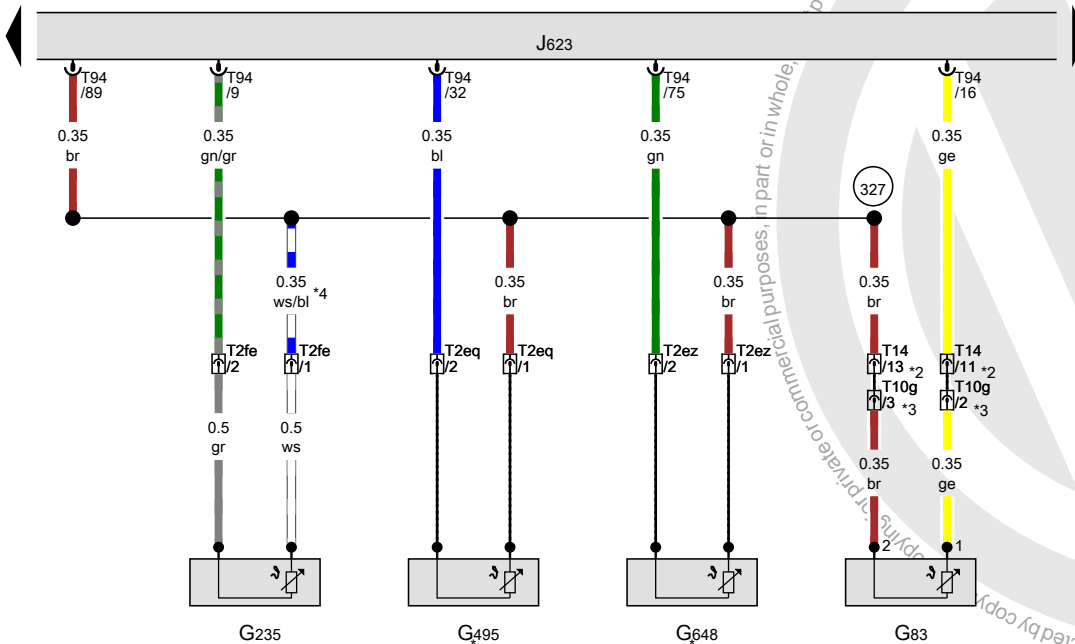


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- rs = pink

[162-073120415]

Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

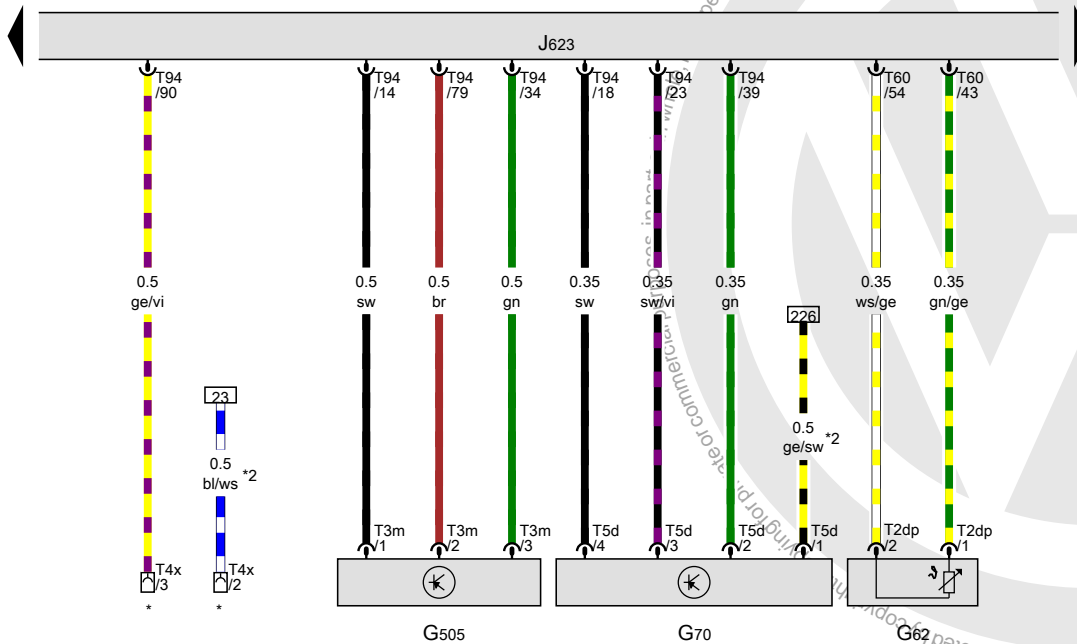
- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2eq 2-pin connector
- T2ez 2-pin connector
- T2fe 2-pin connector
- T10g 10-pin connector
- T14 14-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness
- * According to equipment
- *2 gradual introduction
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment



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- vi = purple
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- or = orange
- rs = pink

Coolant temperature sender, Air mass meter, Pressure differential sender, Engine control unit

- G62 Coolant temperature sender
- G70 Air mass meter
- G505 Pressure differential sender
- J623 Engine control unit
- T2dp 2-pin connector
- T3m 3-pin connector
- T4x 4-pin connector
- T5d 5-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Radiator fan connection
- *2 Wiring colour depends on equipment

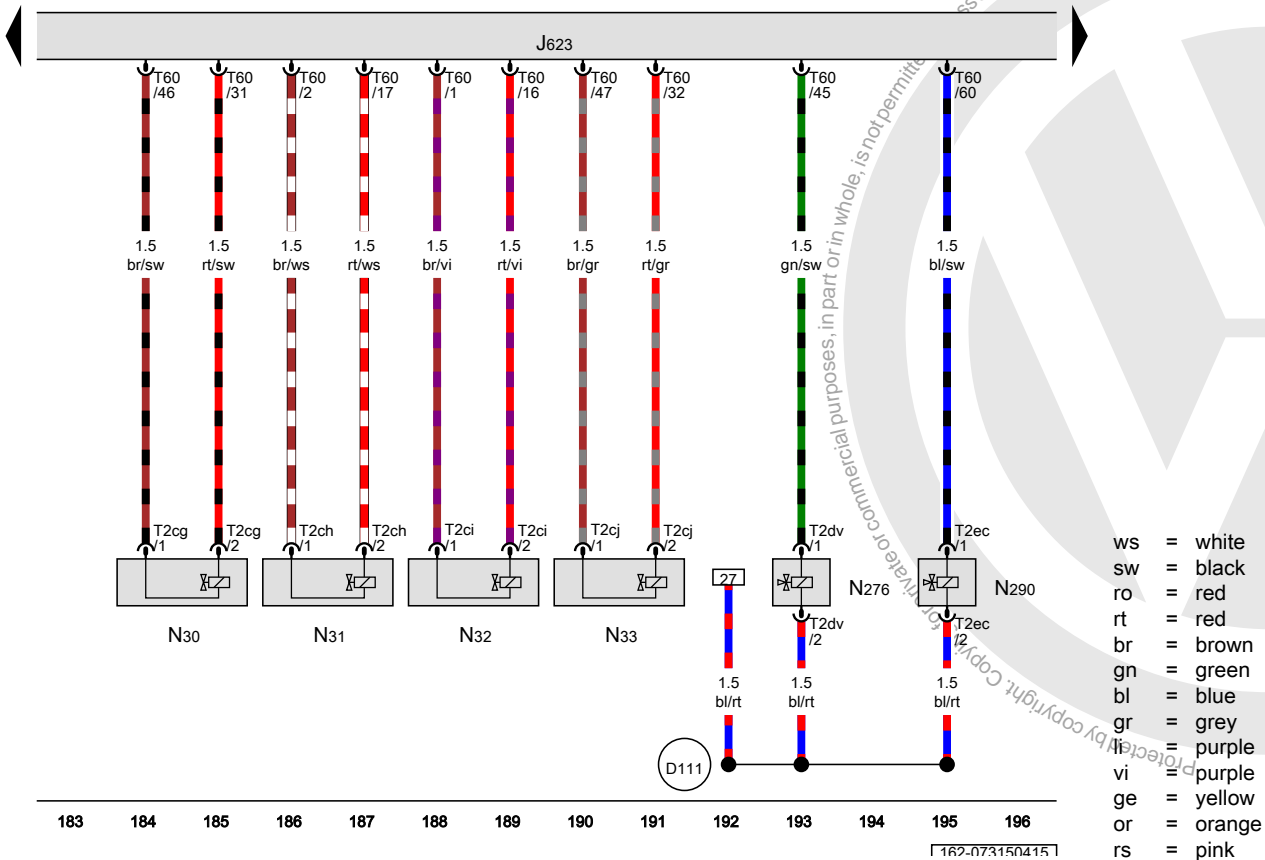


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Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T60 60-pin connector

D111 Connection 9 in engine compartment wiring harness



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- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-073150415]

Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Engine control unit

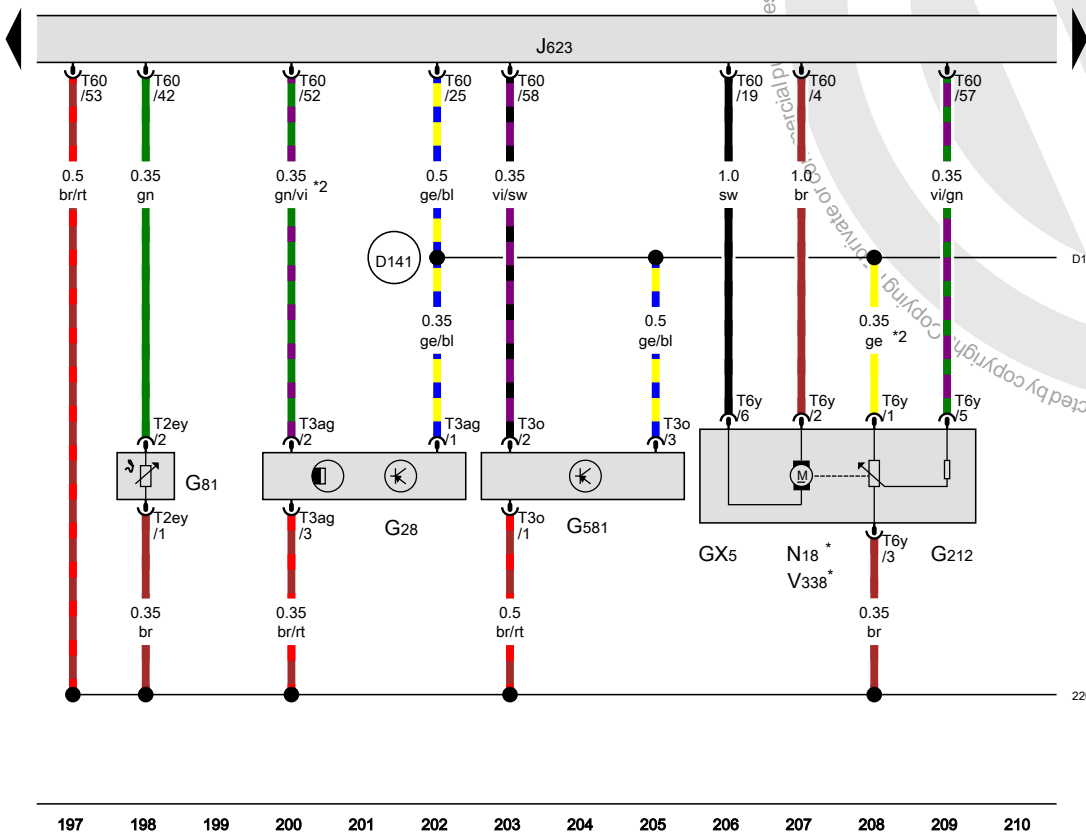
- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N18 Exhaust gas recirculation valve
- T2ey 2-pin connector
- T3ag 3-pin connector
- T3o 3-pin connector
- T6y 6-pin connector
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

* According to equipment

*2 Wiring colour depends on equipment



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162-073160415

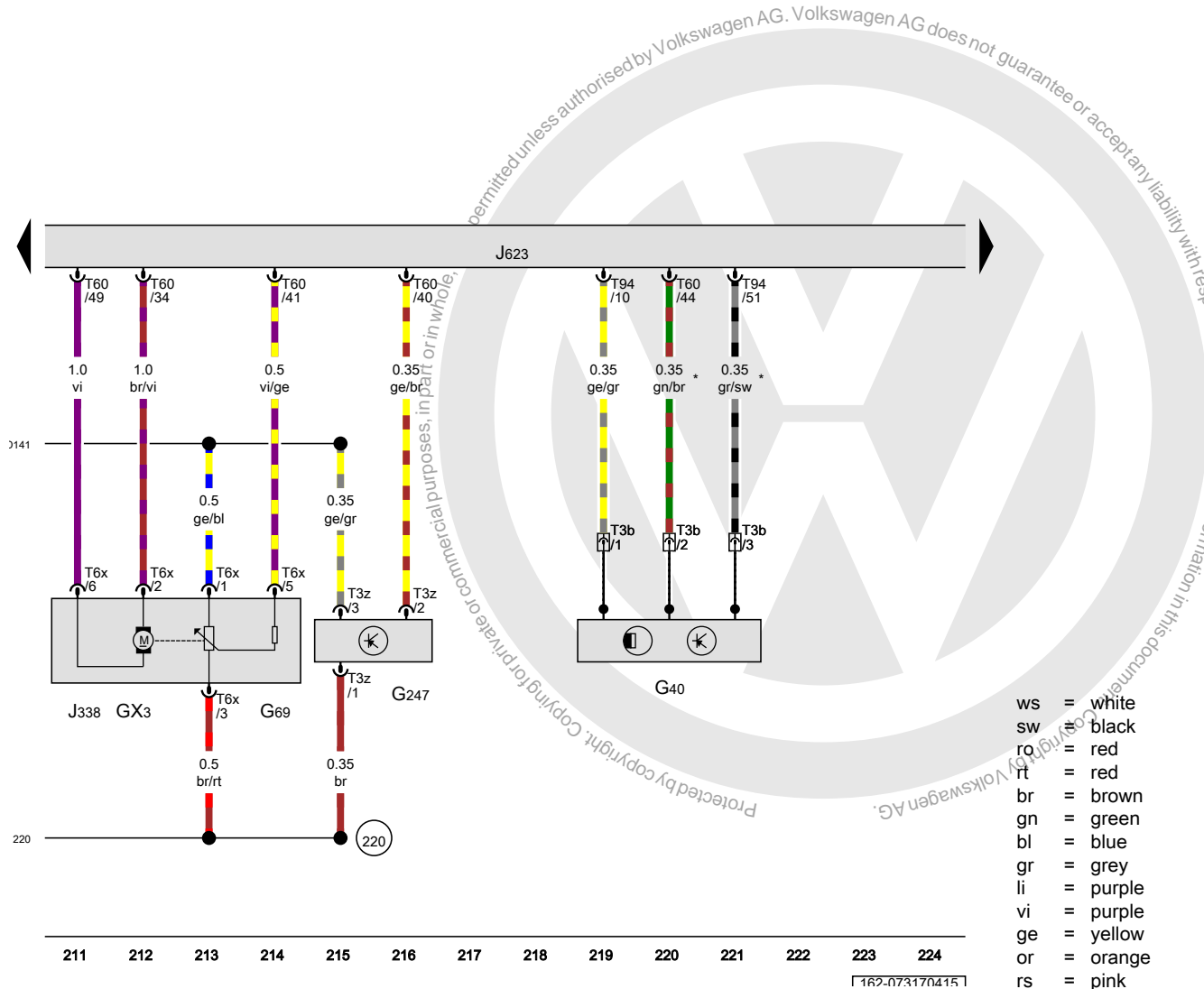
Throttle valve module, Hall sender, Throttle valve potentiometer, Fuel pressure sender, Engine control unit

- GX3 Throttle valve module
- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J623 Engine control unit
- T3b 3-pin connector
- T3z 3-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

* Wiring colour depends on equipment



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- gr = grey
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- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

[162-073170415]

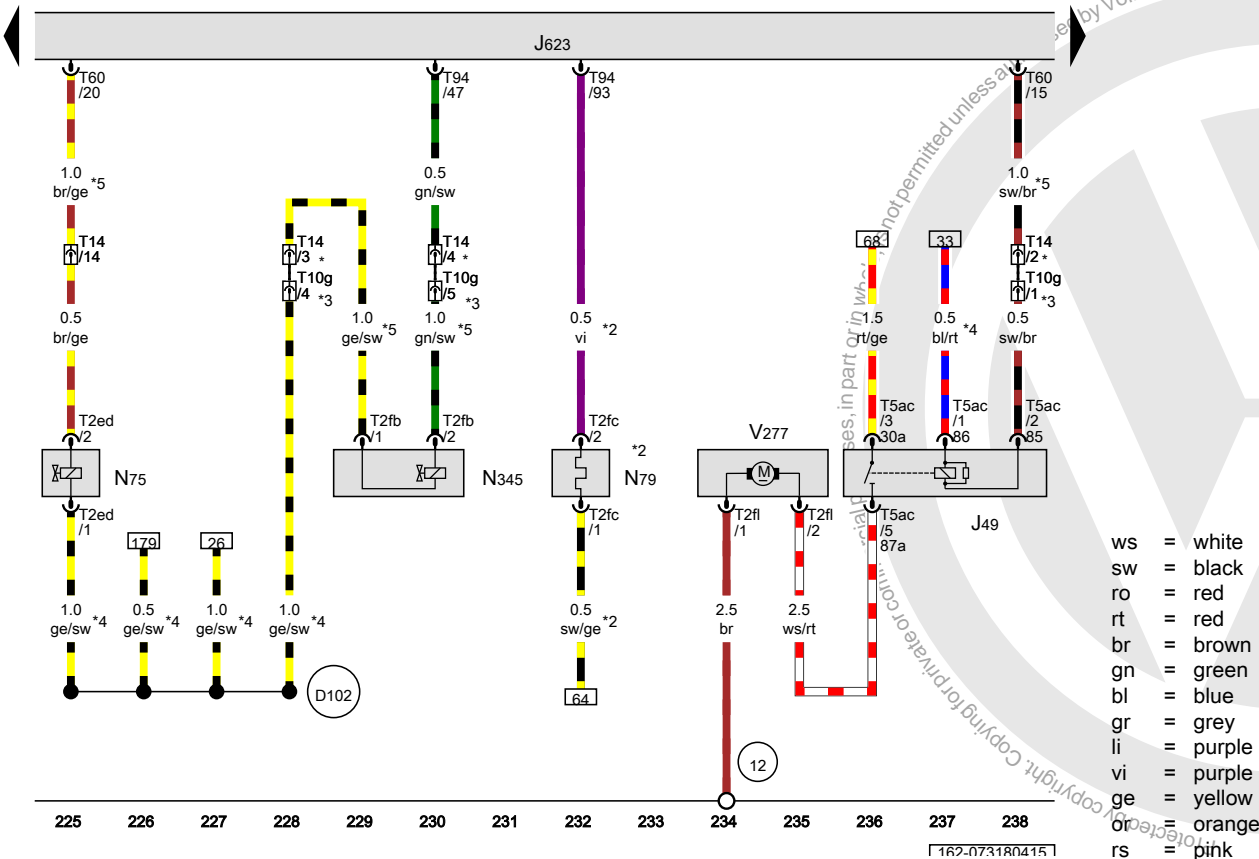
Electric fuel pump 2 relay, Engine control unit, Charge pressure control solenoid valve, Heater element for crankcase breather, Exhaust gas recirculation cooler changeover valve, Fuel pump 2

- J49 Electric fuel pump 2 relay
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N79 Heater element for crankcase breather
- N345 Exhaust gas recirculation cooler changeover valve
- T2ed 2-pin connector
- T2fb 2-pin connector
- T2fc 2-pin connector
- T2fl 2-pin connector
- T5ac 5-pin connector
- T10g 10-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- V277 Fuel pump 2

12 Earth point, on left in engine compartment

D102 Connection 2 in engine compartment wiring harness

- * gradual introduction
- *2 Only models with crankcase breather heater element
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment
- *5 Cross section depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

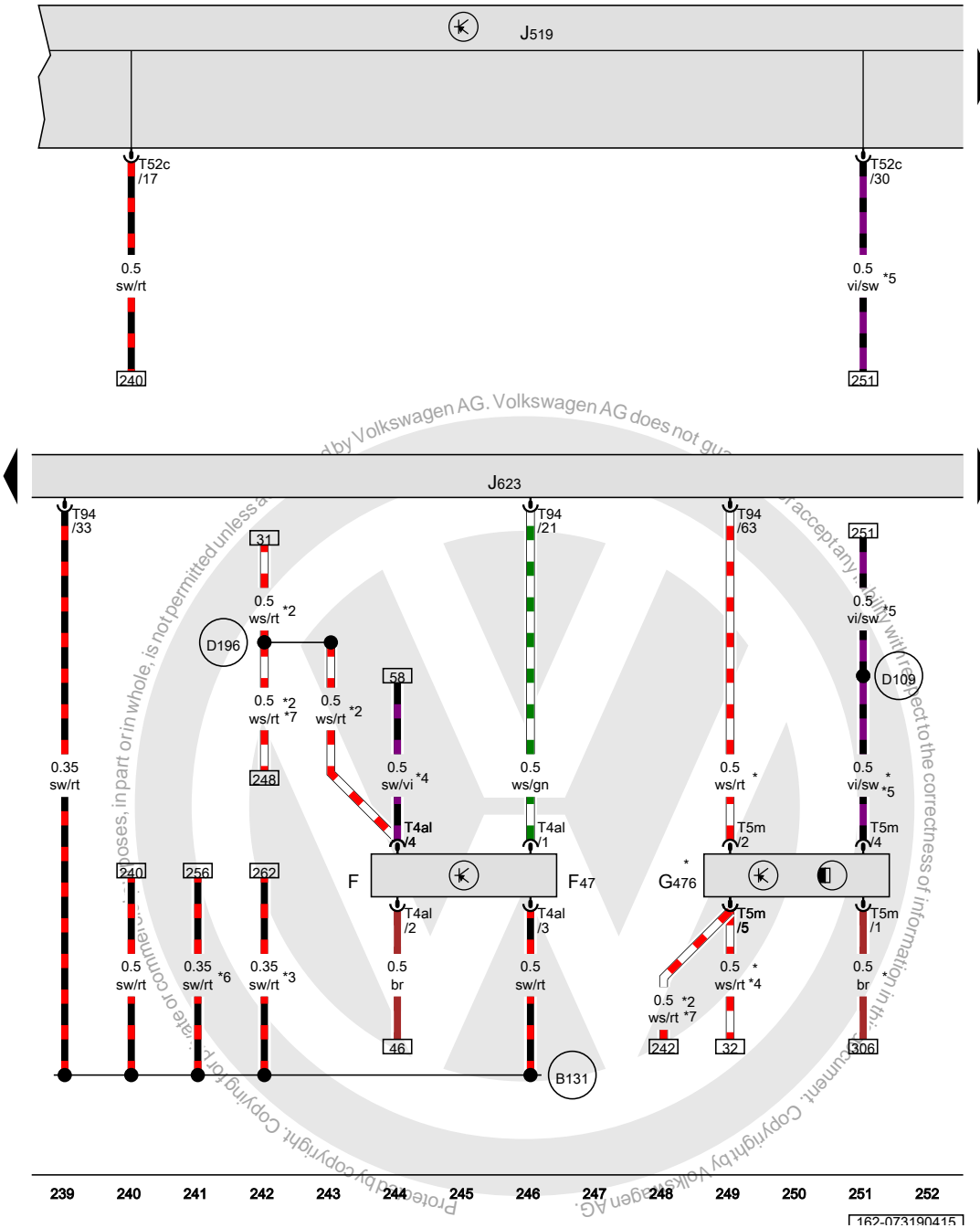
- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

D109 Connection 7 in engine compartment wiring harness

D196 Connection 2 (87a) in engine prewiring harness

- * Only models with manual gearbox
- *2 gradual introduction
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Gradually discontinued
- *5 Wiring colour depends on equipment
- *6 Only models with ABS and no ESP
- *7 According to equipment



- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- ge = yellow
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- rs = pink

ABS control unit, Onboard supply control unit, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

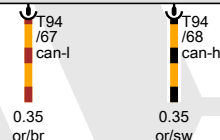
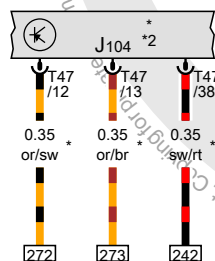
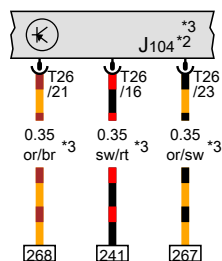
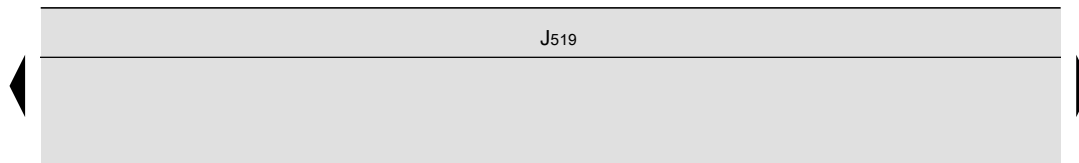
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

*1 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 According to equipment

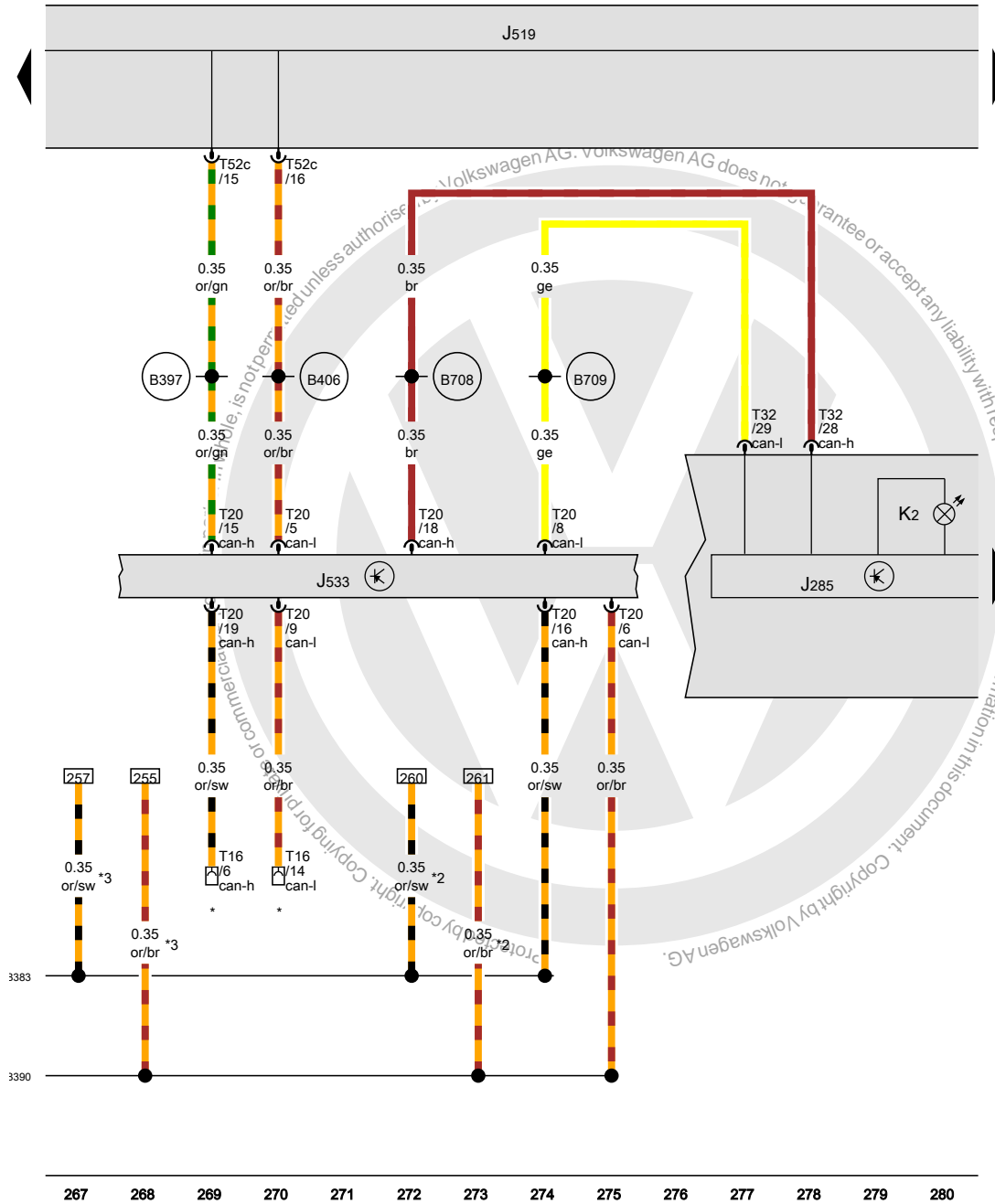
*3 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

253 254 255 256 257 258 259 260 261 262 263 264 265 266

[162-073200415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp

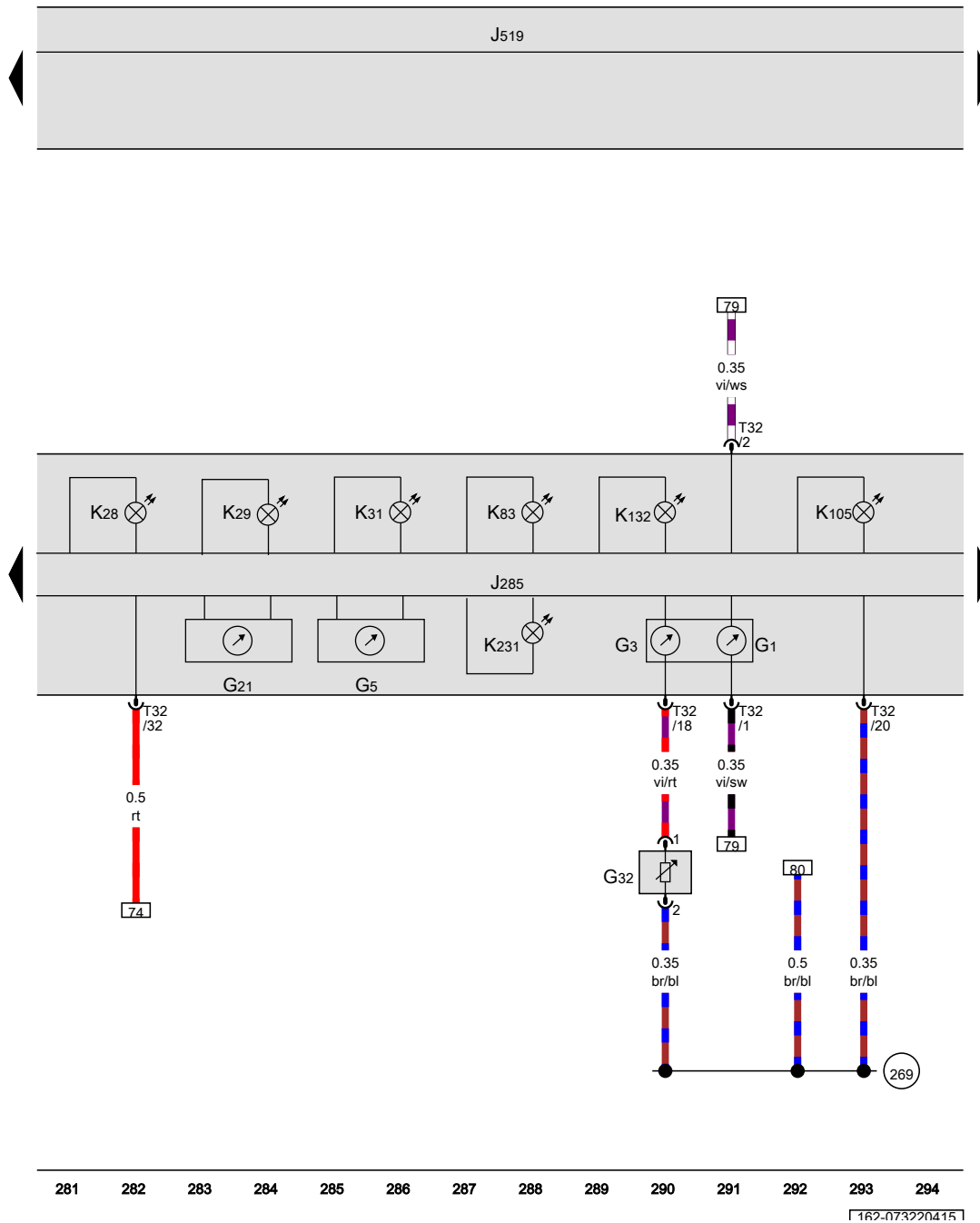
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

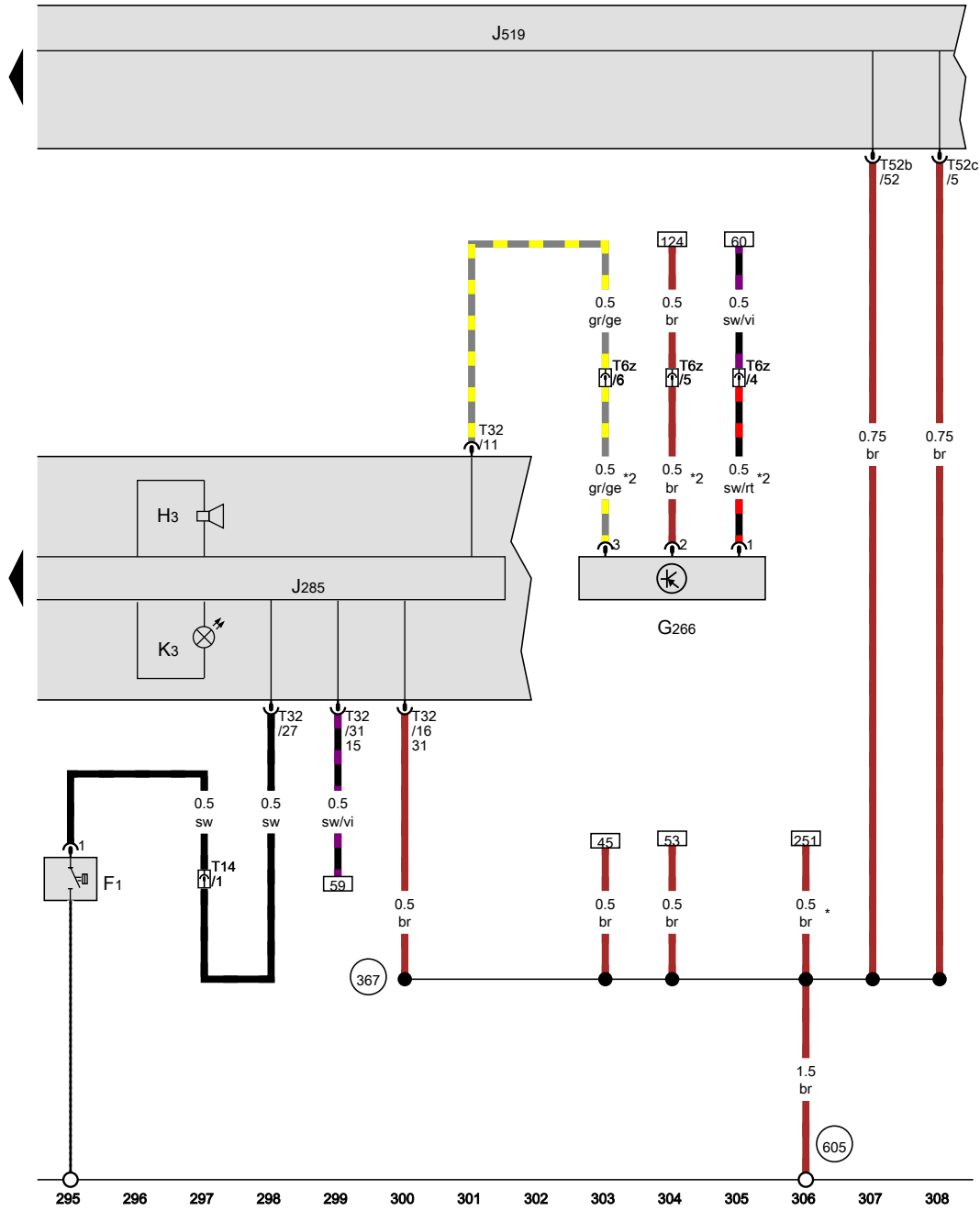
- ws = white
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- ro = red
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- ge = yellow
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- rs = pink

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Cruise control system warning lamp, Electronic power control fault lamp, Diesel particulate filter warning lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- K231 Diesel particulate filter warning lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness

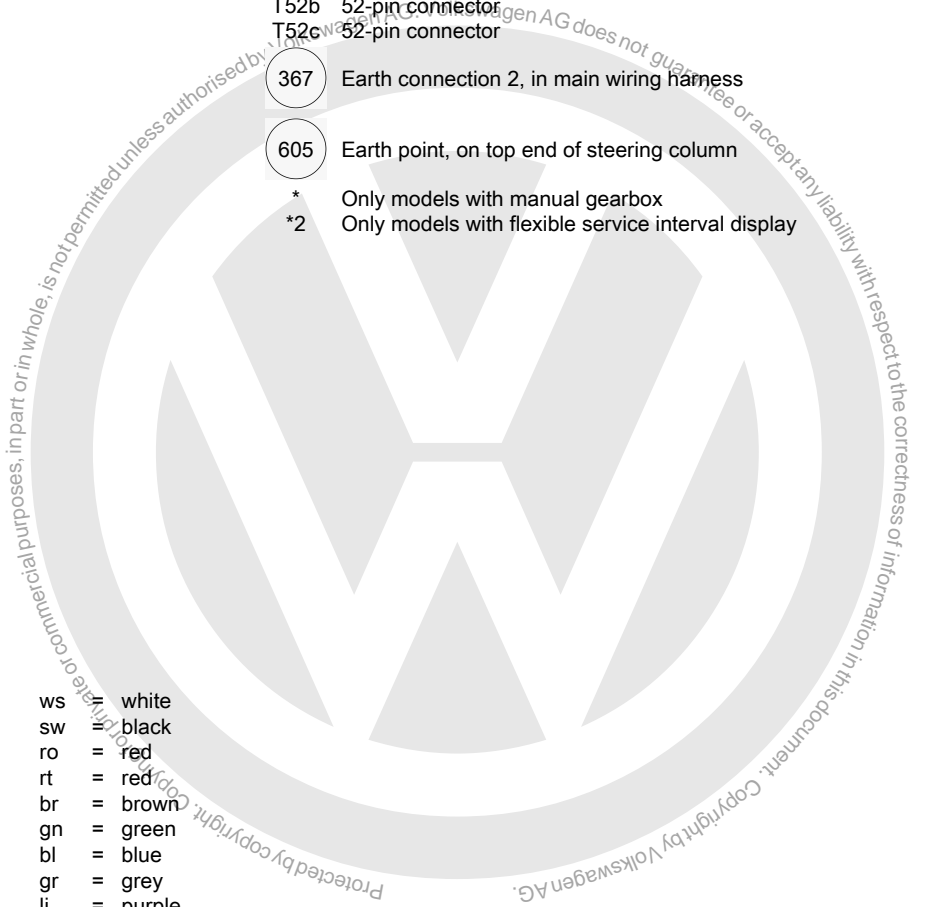


- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with manual gearbox
- *2 Only models with flexible service interval display



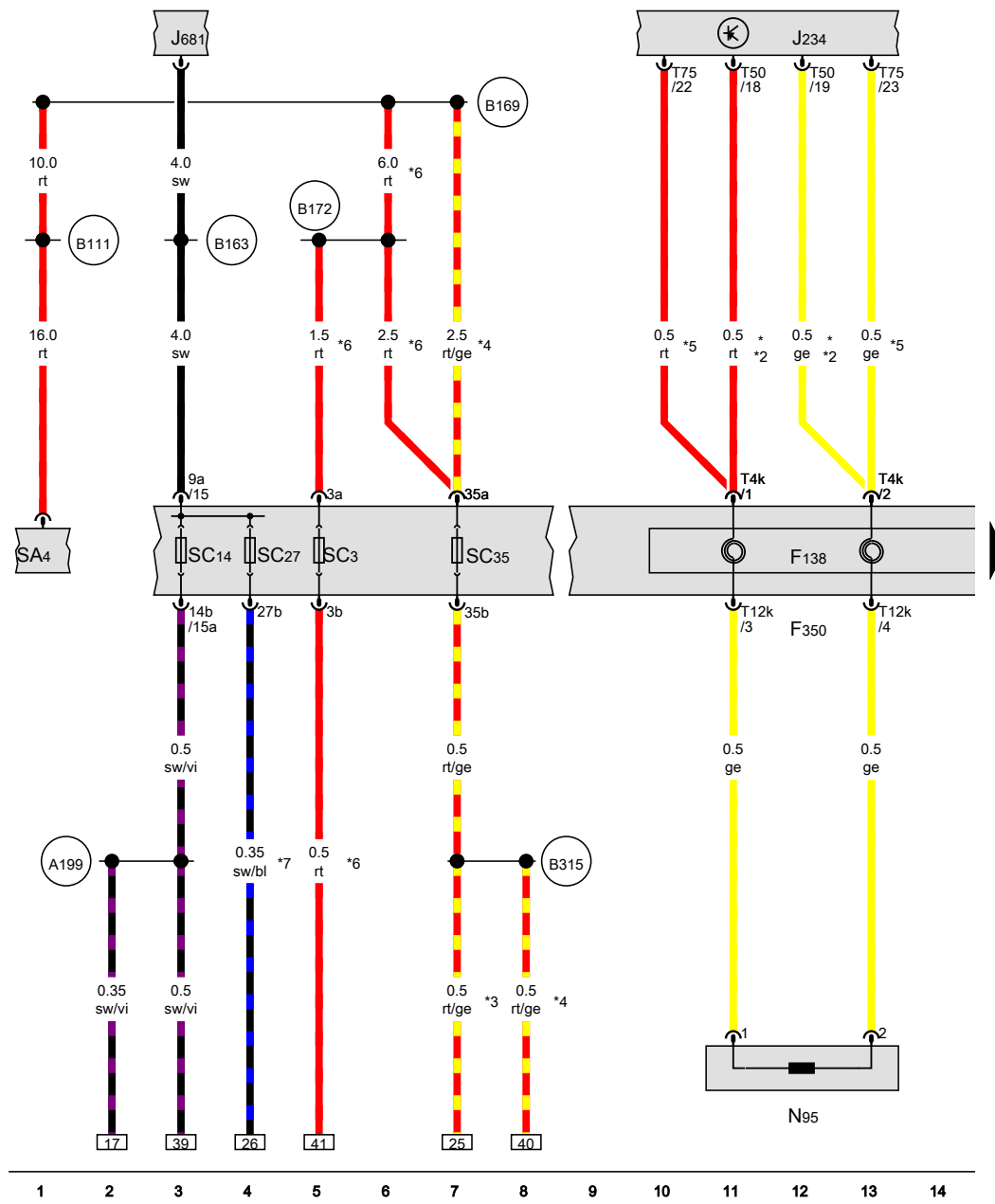
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-073230415

Multifunction steering wheel , (AW0)

From May 2010





Airbag coil connector and return ring with slip ring, Airbag control unit, Driver side airbag igniter, Fuse 35 on fuse holder C

- F138 Airbag coil connector and return ring with slip ring
- F350 Coil connector
- J234 Airbag control unit
- J681 Terminal 15 voltage supply relay 2
- N95 Driver side airbag igniter
- SC3 Fuse 3 on fuse holder C
- SA4 Fuse 4 in fuse holder A
- SC14 Fuse 14 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T4k 4-pin connector
- T12k 12-pin connector
- T50 50-pin connector
- T75 75-pin connector

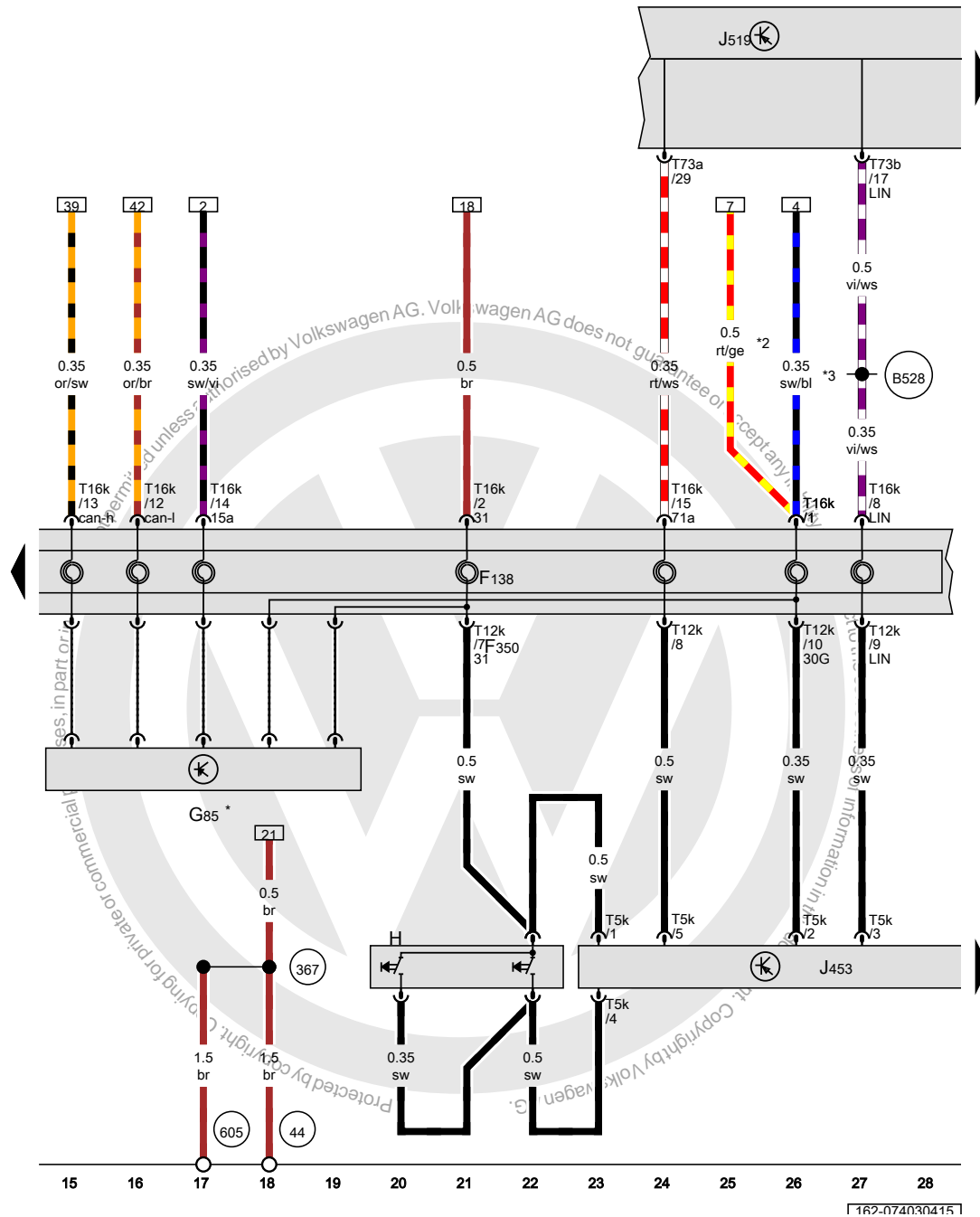
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (B111) Positive connection 1 (30a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B169) Positive connection 1 (30), in interior wiring harness
- (B172) Positive connection 4 (30), in interior wiring harness
- (B315) Positive connection 1 (30a) in main wiring harness

- * Only models with equipment for China
- *2 Only for Mexico
- *3 Up to May 2011
- *4 Gradually discontinued
- *5 According to equipment
- *6 gradual introduction
- *7 From June 2011

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- ro = red
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- br = brown
- gn = green
- bl = blue
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- rs = pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

162-074020415



Airbag coil connector and return ring with slip ring, Horn plate, Multifunction steering wheel control unit, Onboard supply control unit

- F138 Airbag coil connector and return ring with slip ring
- F350 Coil connector
- G85 Steering angle sender
- H Horn plate
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- T5k 5-pin connector
- T12k 12-pin connector
- T16k 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B528 Connection 1 (LIN bus) in main wiring harness

- * According to equipment
- *2 Up to May 2011
- *3 From June 2011

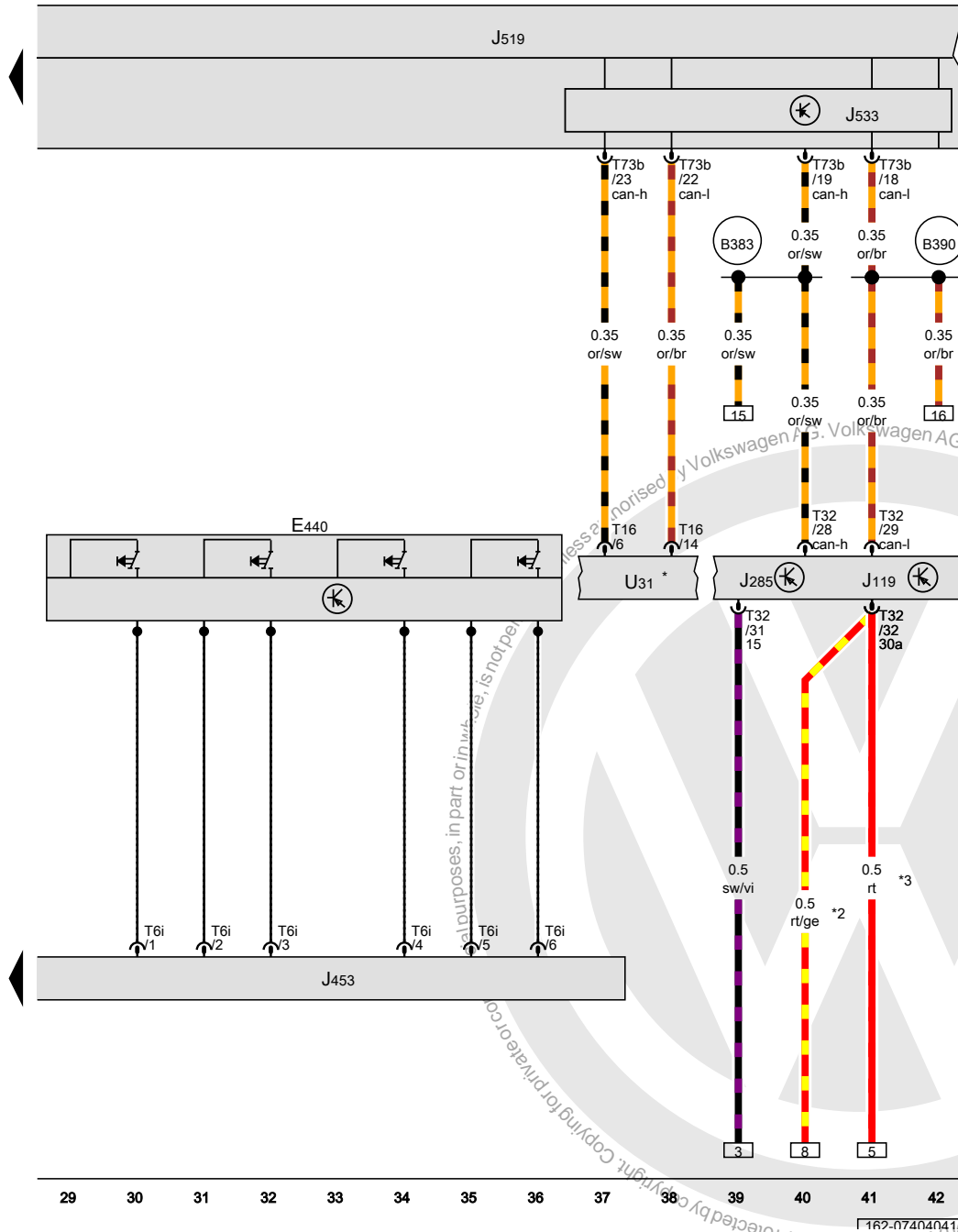
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-074030415

Multifunction buttons on left in steering wheel, Multifunction indicator, Control unit in dash panel insert, Multifunction steering wheel control unit, Onboard supply control unit, Data bus diagnostic interface, Diagnostic connection

- E440 Multifunction buttons on left in steering wheel
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T6i 6-pin connector
- T16 16-pin connector
- T32 32-pin connector
- T73b 73-pin connector
- U31 Diagnostic connection

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Gradually discontinued
- *3 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

29 30 31 32 33 34 35 36 37 38 39 40 41 42

Multifunction steering wheel , (AW1)

From May 2010



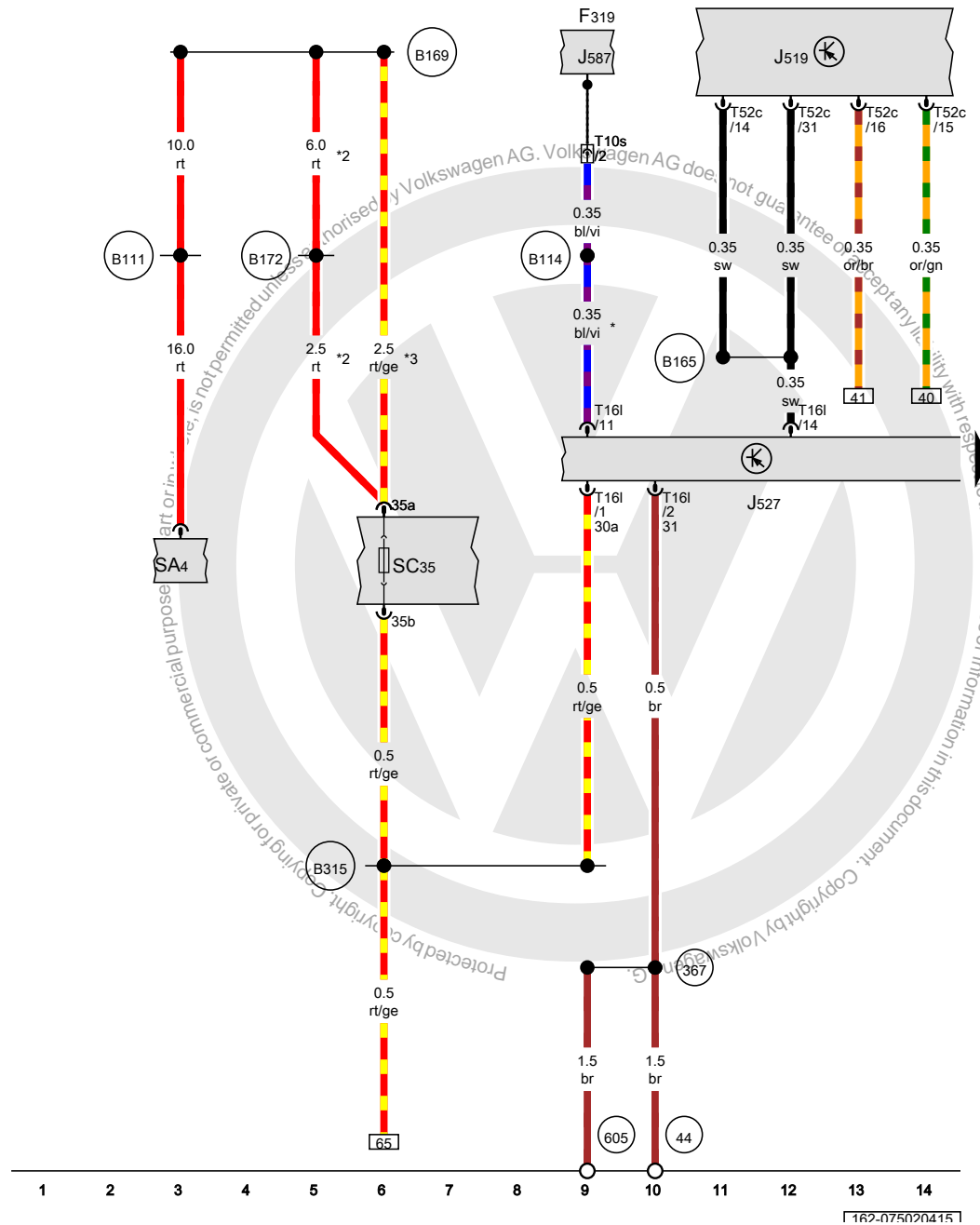
Steering column electronics control unit

- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J587 Selector lever sensors control unit
- SA4 Fuse 4 in fuse holder A
- SC35 Fuse 35 on fuse holder C
- T10s 10-pin connector
- T16l 16-pin connector
- T52c 52-pin connector

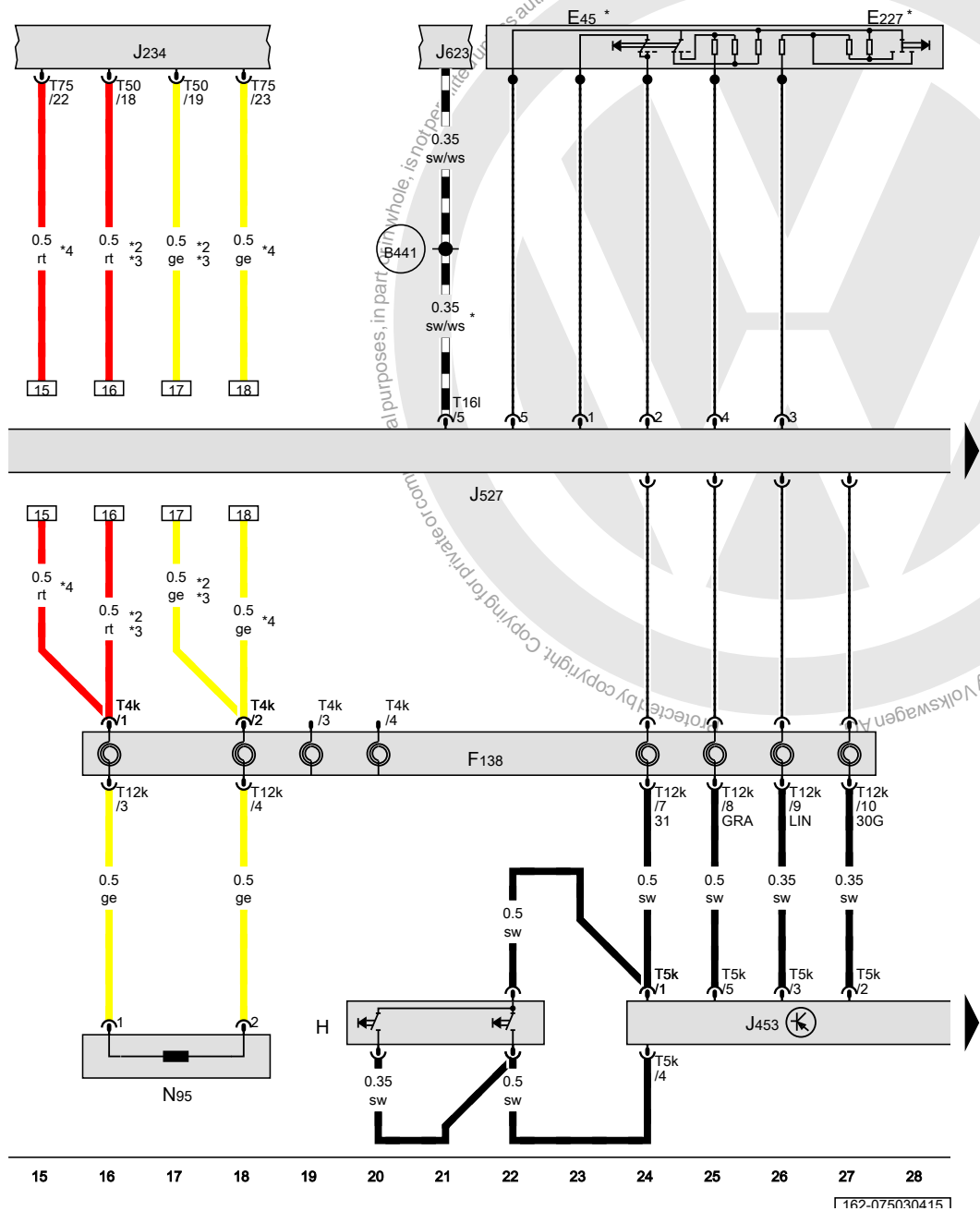
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B111 Positive connection 1 (30a), in interior wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B165 Positive connection 2 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

- * Only models with dual clutch gearbox (DSG)
- *2 gradual introduction
- *3 Gradually discontinued

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-075020415



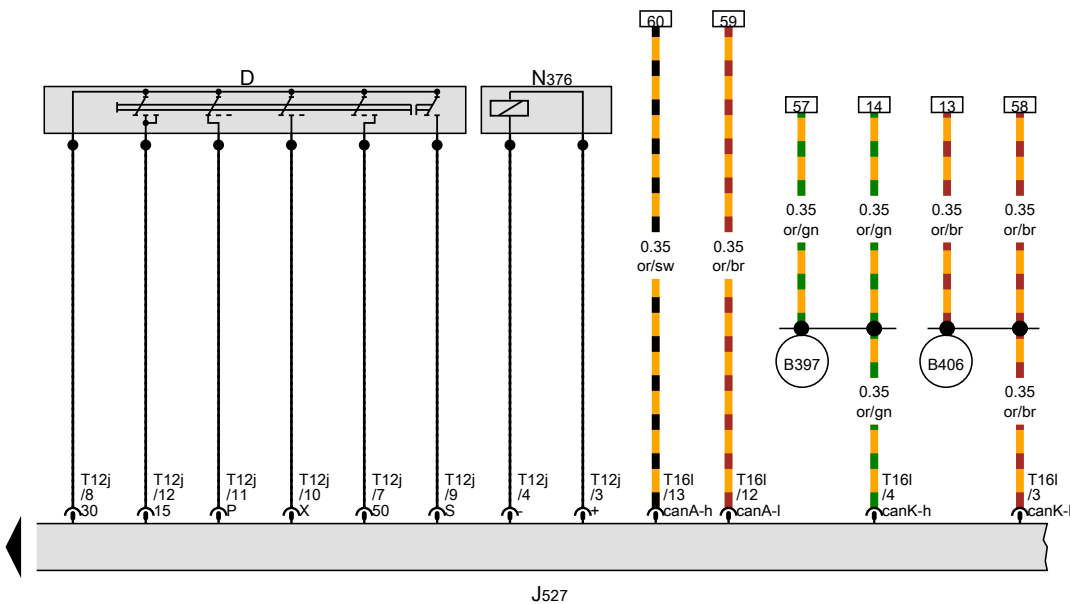
Cruise control system switch, Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit, Multifunction steering wheel control unit, Steering column electronics control unit, Driver side airbag igniter

- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector
- T5k 5-pin connector
- T12k 12-pin connector
- T16l 16-pin connector
- T50 50-pin connector
- T75 75-pin connector
- T94a 94-pin connector

B441 Connection (CCS), in main wiring harness

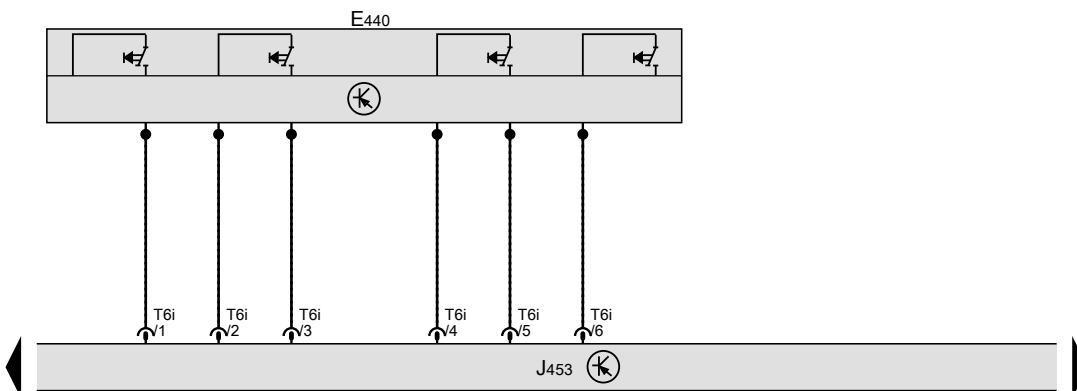
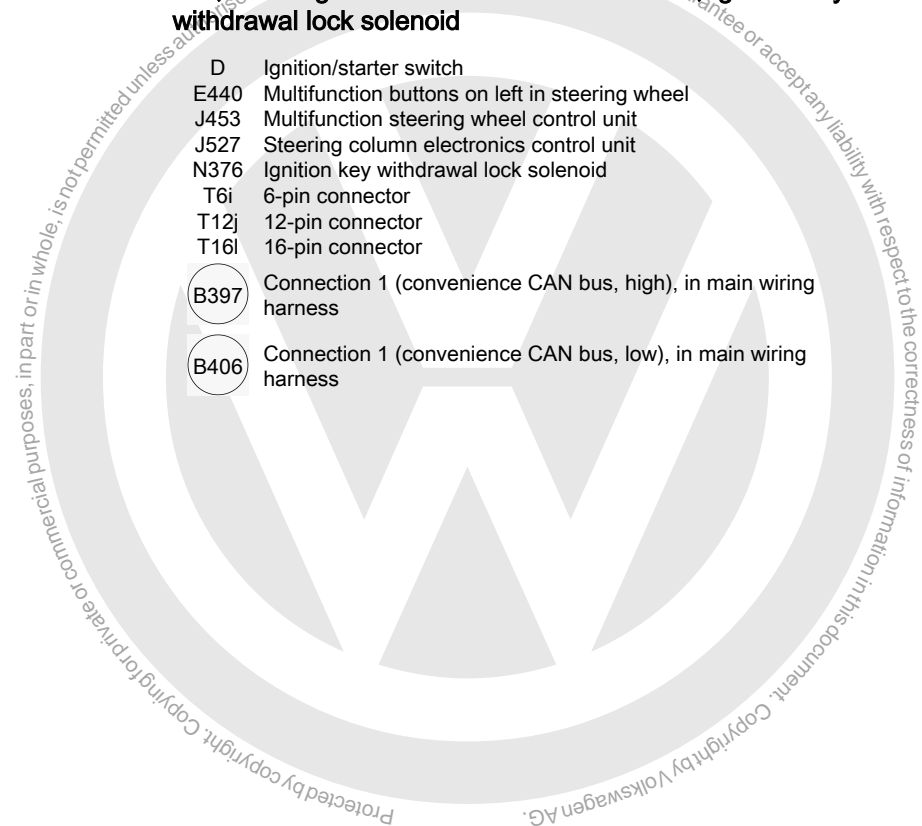
- * Only models with cruise control system (CCS)
- *2 Only models with equipment for China
- *3 Only for Mexico
- *4 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Ignition/starter switch, Multifunction steering wheel control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid

- D Ignition/starter switch
- E440 Multifunction buttons on left in steering wheel
- J453 Multifunction steering wheel control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid
- T6i 6-pin connector
- T12j 12-pin connector
- T16i 16-pin connector
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness



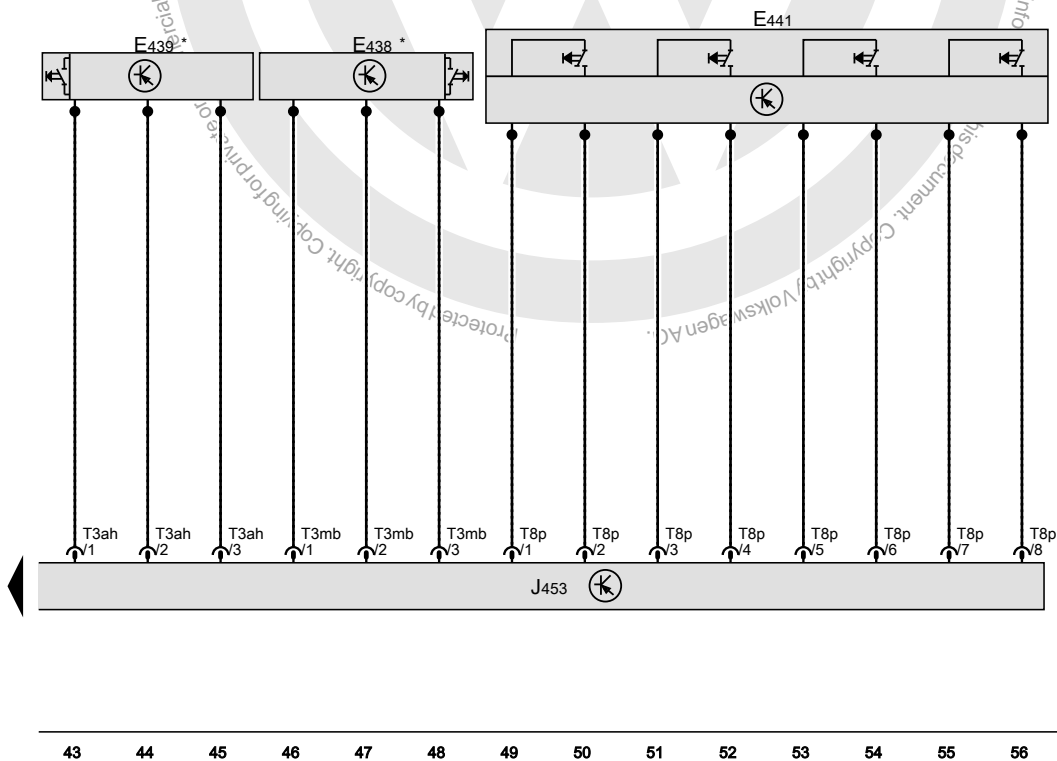
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

29 30 31 32 33 34 35 36 37 38 39 40 41 42

162-075040415

Multifunction steering wheel control unit

- E438 Tiptronic switch in steering wheel to shift up
- E439 Tiptronic switch in steering wheel to shift down
- E441 Multifunction buttons on right in steering wheel
- J453 Multifunction steering wheel control unit
- T3ah 3-pin connector
- T3mb 3-pin connector
- T8p 8-pin connector
- * Only models with dual clutch gearbox (DSG)



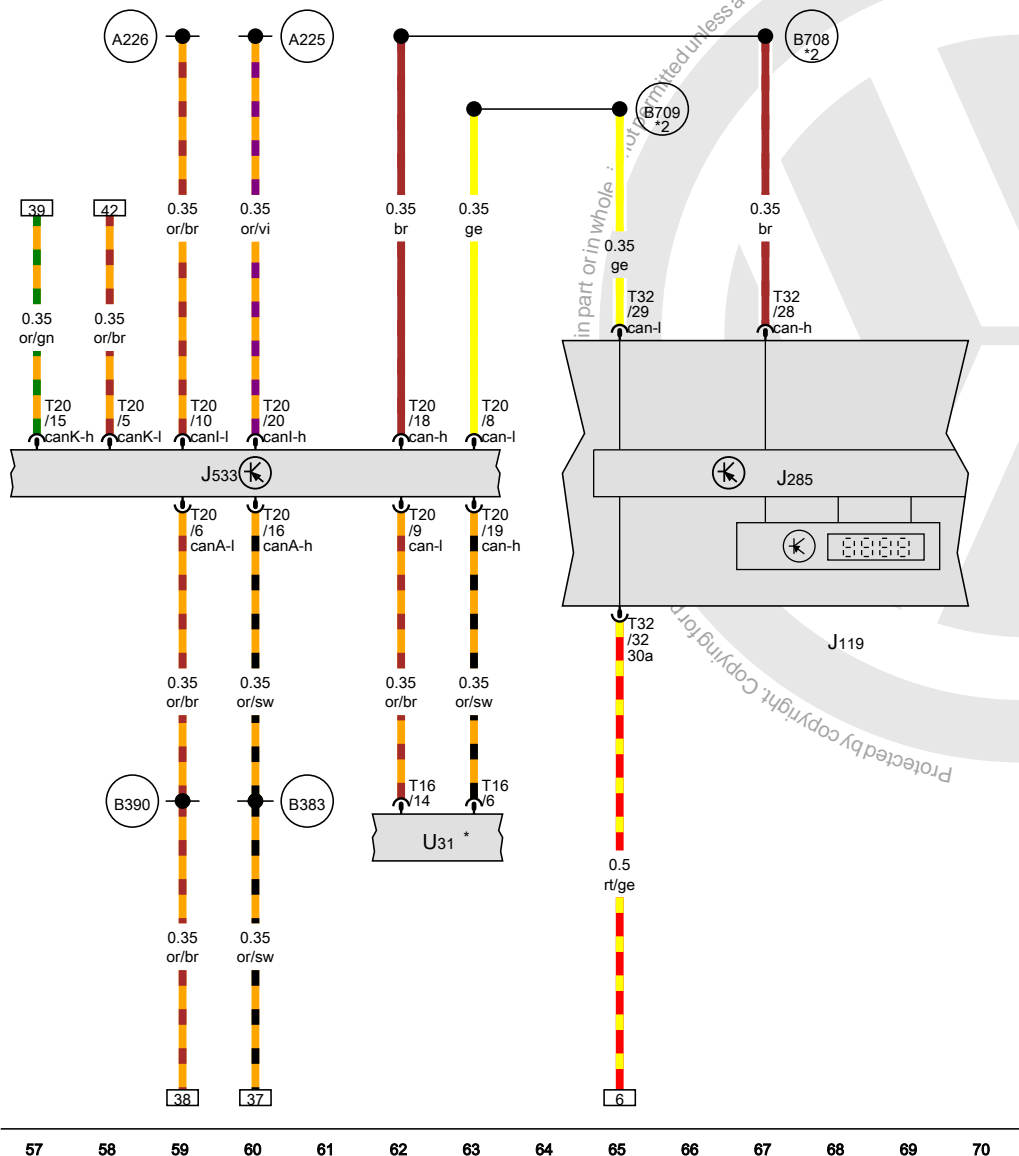
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-075050415]

Multifunction indicator, Control unit in dash panel insert, Data bus diagnostic interface

- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- U31 Diagnostic connection

- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 From June 2013



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-075060415

Basic equipment, Low (AW0) , (B1P),(8Q1)

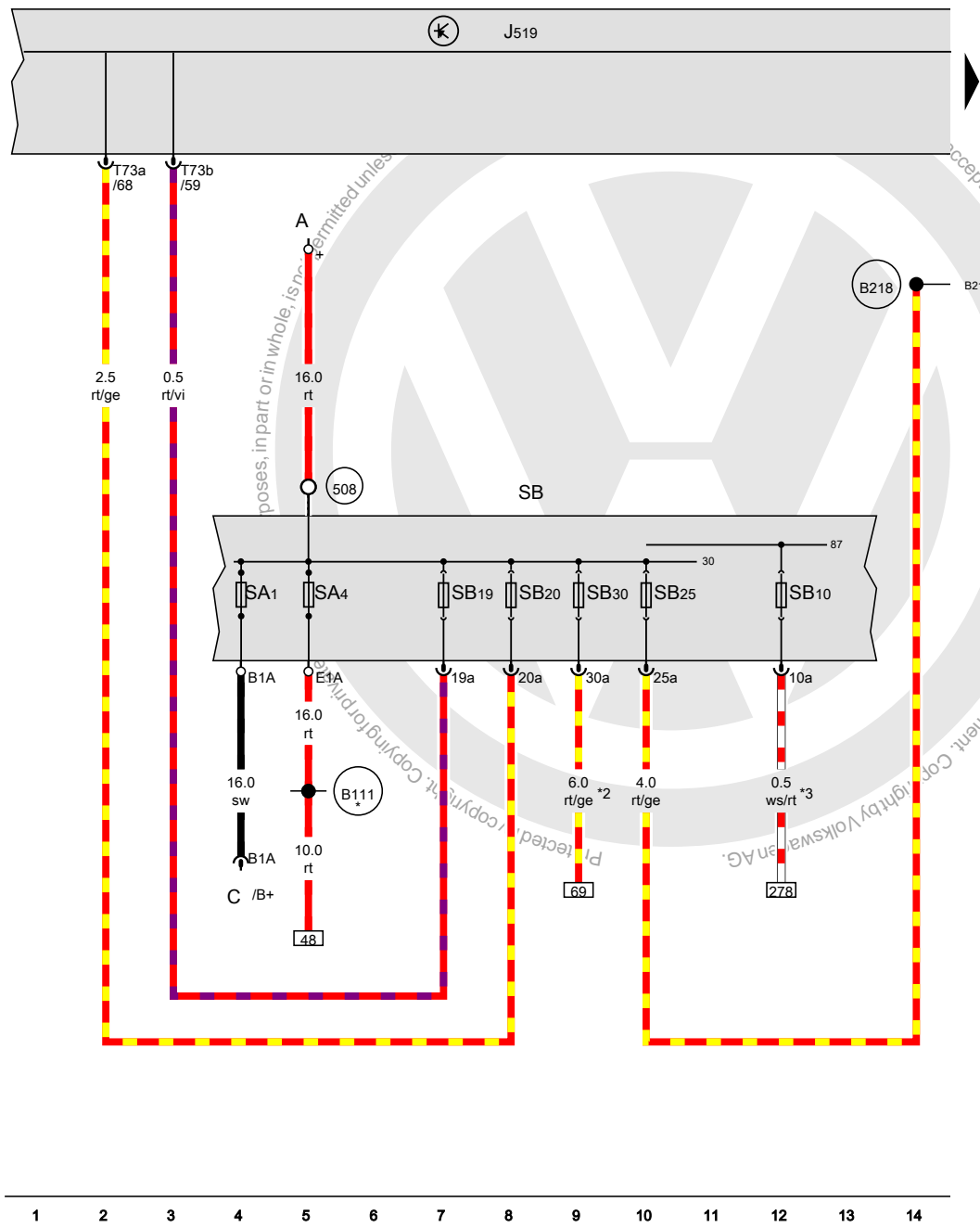
From January 2011



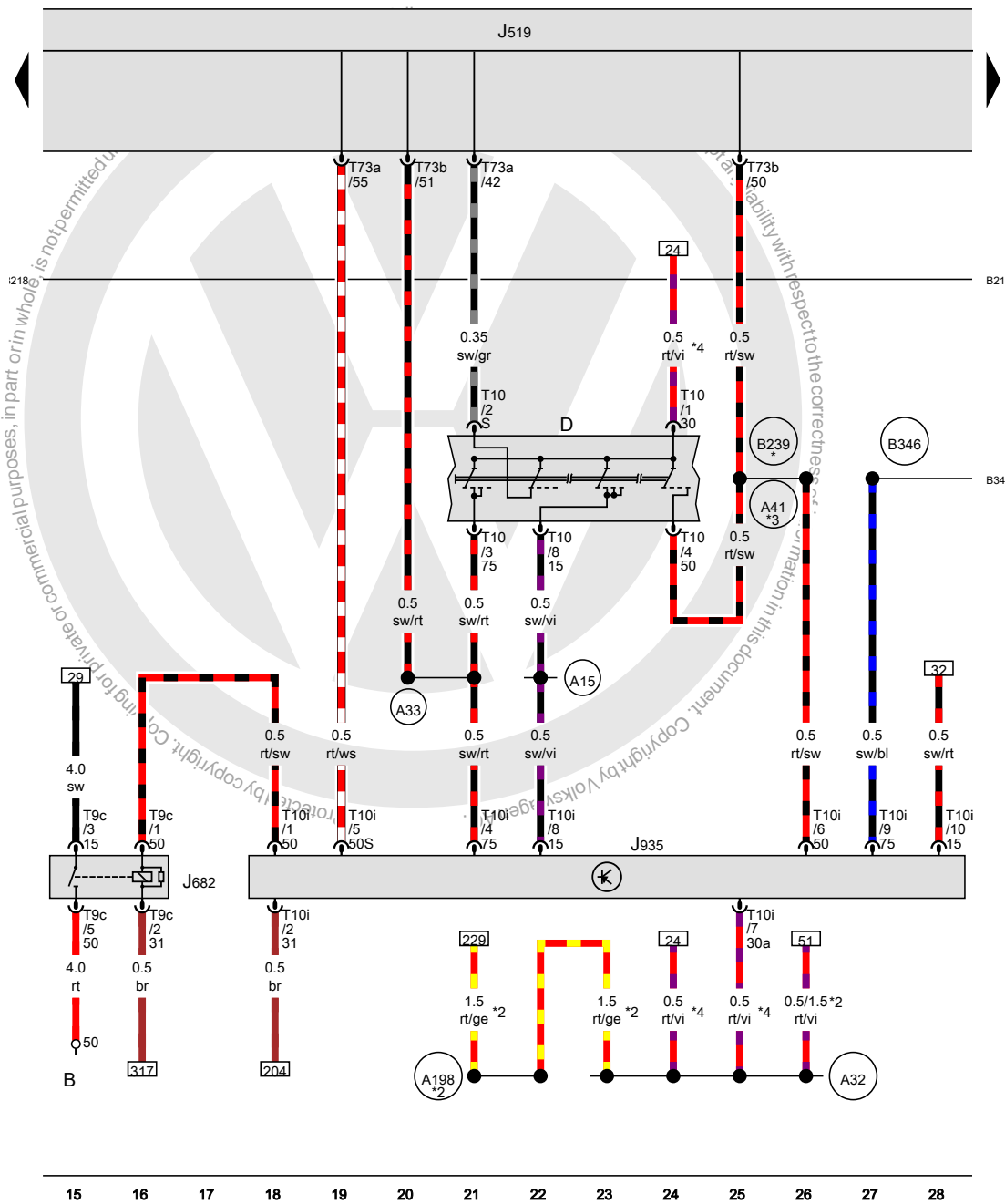
Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- C Alternator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- T73a 73-pin connector
- T73b 73-pin connector

- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- * Up to May 2013
- *2 Cross-section 4.0 possible
- *3 According to equipment



- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Ignition/starter switch, Onboard supply control unit, Terminal 50 voltage supply relay, Converter box

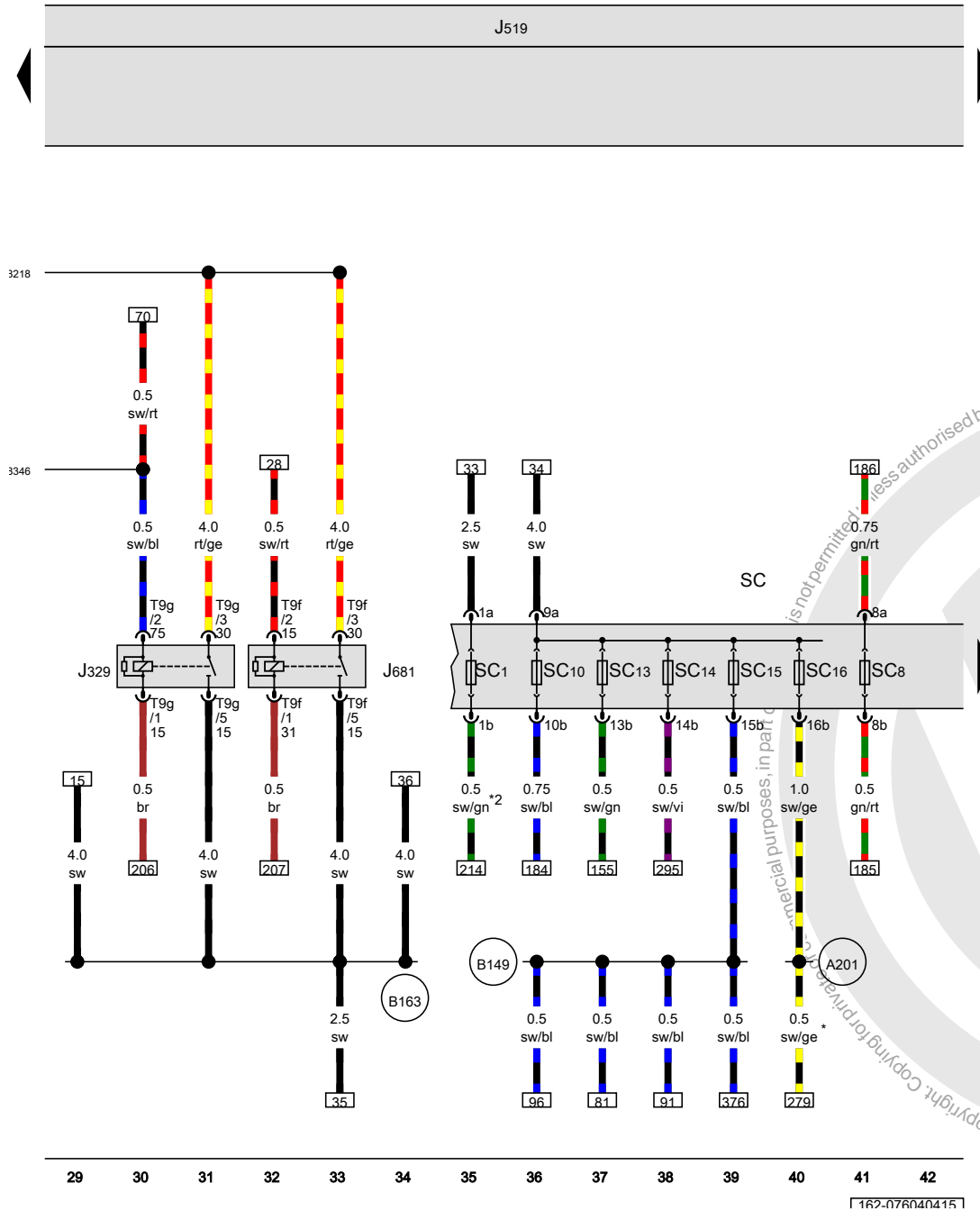
- B Starter
- D Ignition/starter switch
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- J935 Converter box
- T9c 9-pin connector
- T10 10-pin connector
- T10i 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- A198 Positive connection 6 (30a) in dash panel wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness

- * Gradually discontinued
- *2 Up to June 2012
- *3 gradual introduction
- *4 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9f 9-pin connector
- T9g 9-pin connector

- A201 Positive connection 6 (15a) in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * Gradually discontinued
- *2 From June 2013

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

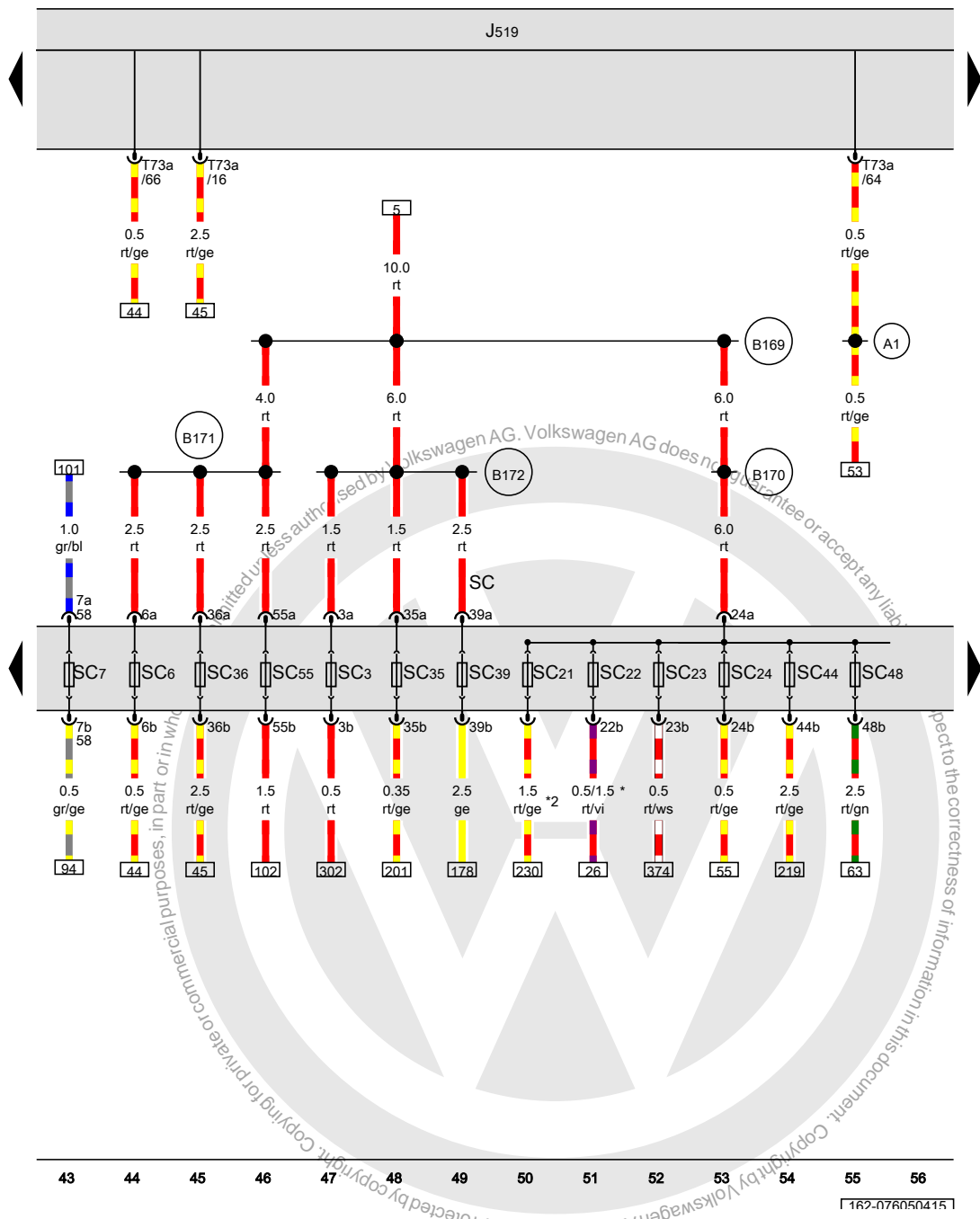
162-076040415

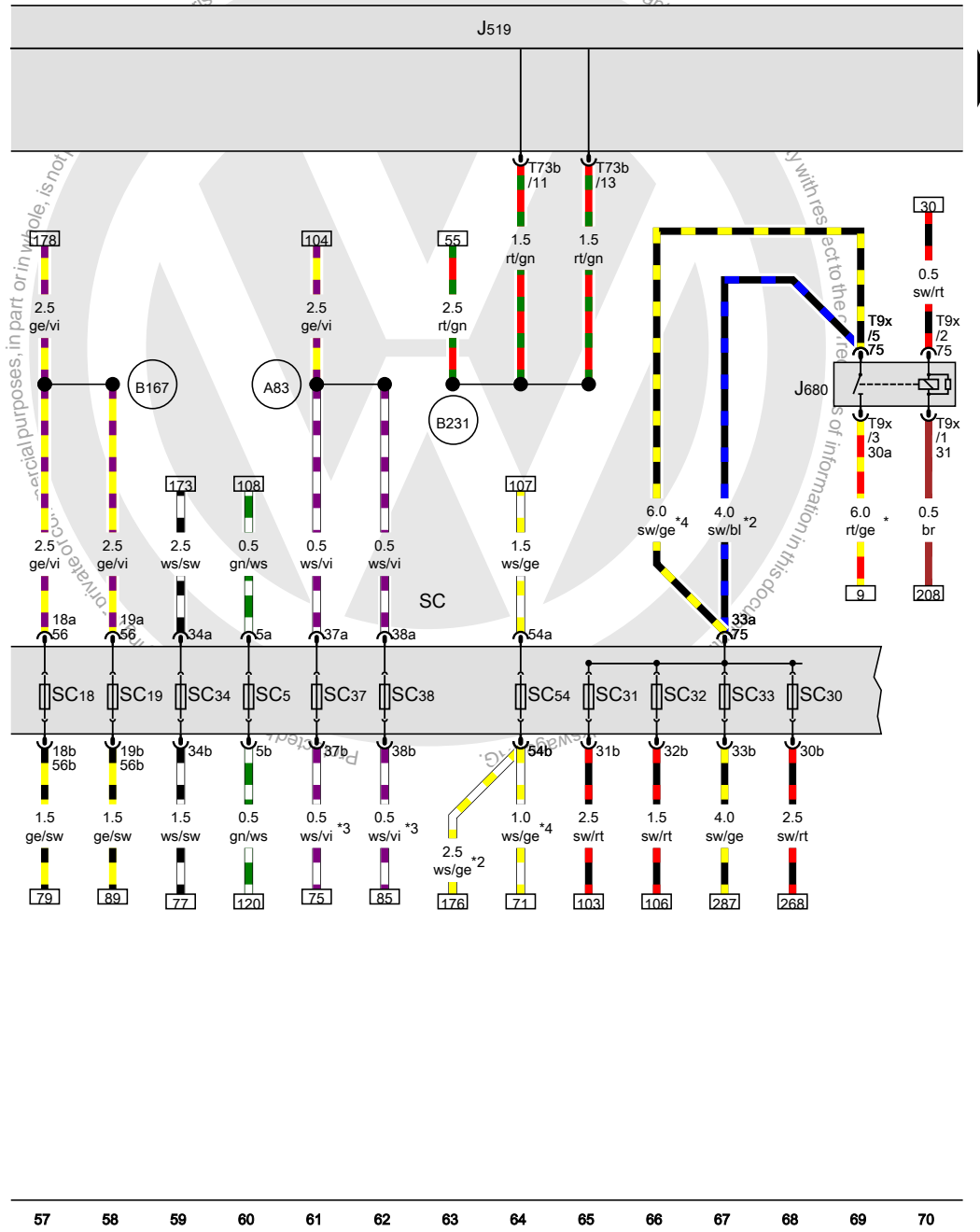
Onboard supply control unit, Fuse holder C

- J519 Onboard supply control unit
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T73a 73-pin connector

- A1 Positive connection (30a), in dash panel wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- * Up to June 2012
- *2 From July 2012

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- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink





57 58 59 60 61 62 63 64 65 66 67 68 69 70

162-076060415

Onboard supply control unit, Terminal 75 voltage supply relay 1, Fuse holder C

- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- SC Fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- T9x 9-pin connector
- T73b 73-pin connector

- A83 Connection (daytime running lights), in dash panel wiring harness
- B167 Connection (56b), in interior wiring harness
- B231 Positive connection 5 (30a), in interior wiring harness

- * Cross-section 4.0 possible
- *2 Up to June 2012
- *3 Only models with daytime running lights
- *4 From July 2012

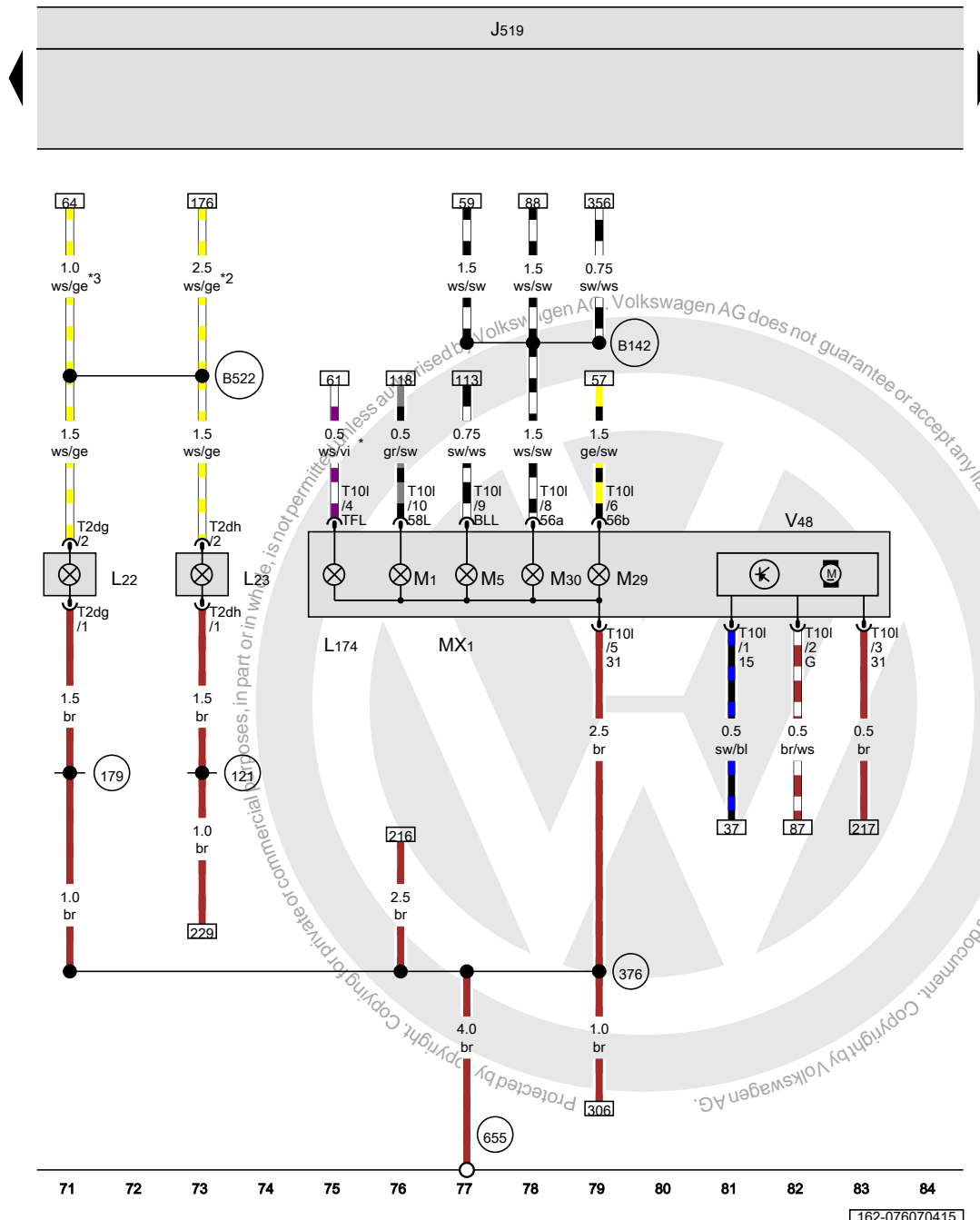
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

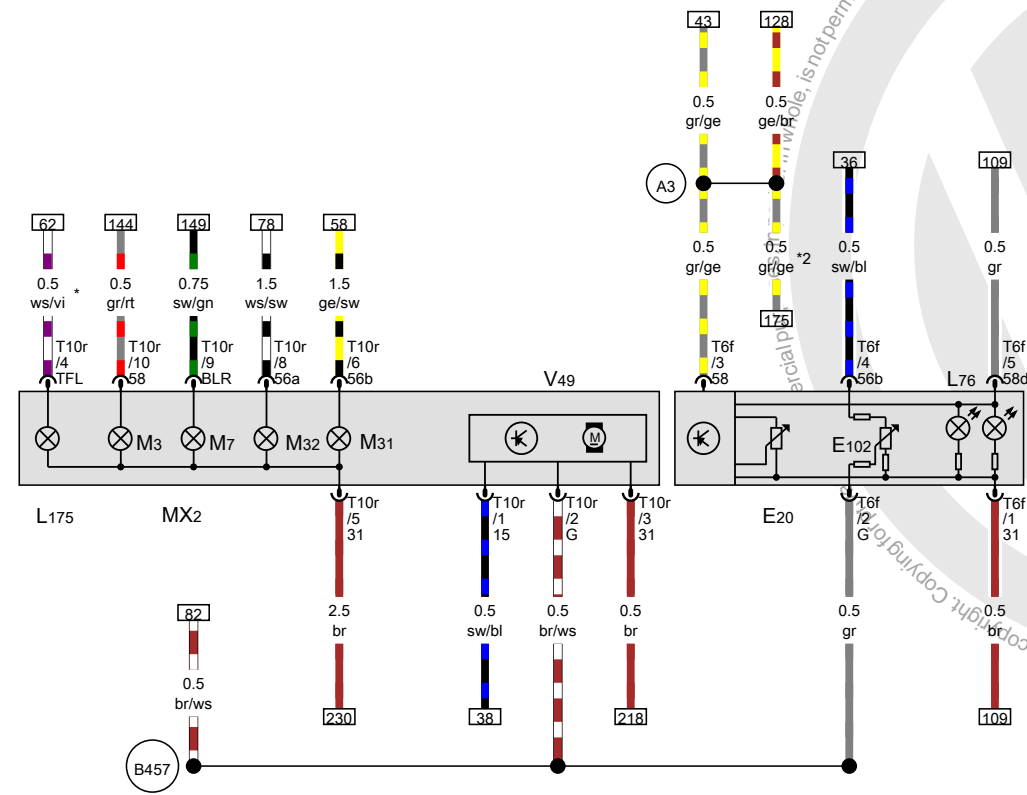
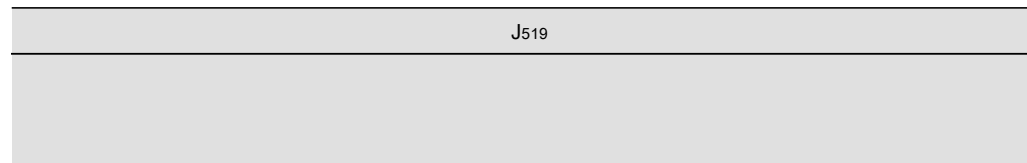
Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2dg 2-pin connector
- T2dh 2-pin connector
- T10l 10-pin connector
- V48 Left headlight range control motor

- 121 Earth connection 2, in front right wiring harness
- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B142 Positive connection 2 (56a), in interior wiring harness
- B522 Connection (FL), in main wiring harness
- * Only models with daytime running lights
- *2 Up to June 2012
- *3 From July 2012

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Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight range control motor

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L76 Button illumination bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T6f 6-pin connector
- T10r 10-pin connector
- V49 Right headlight range control motor

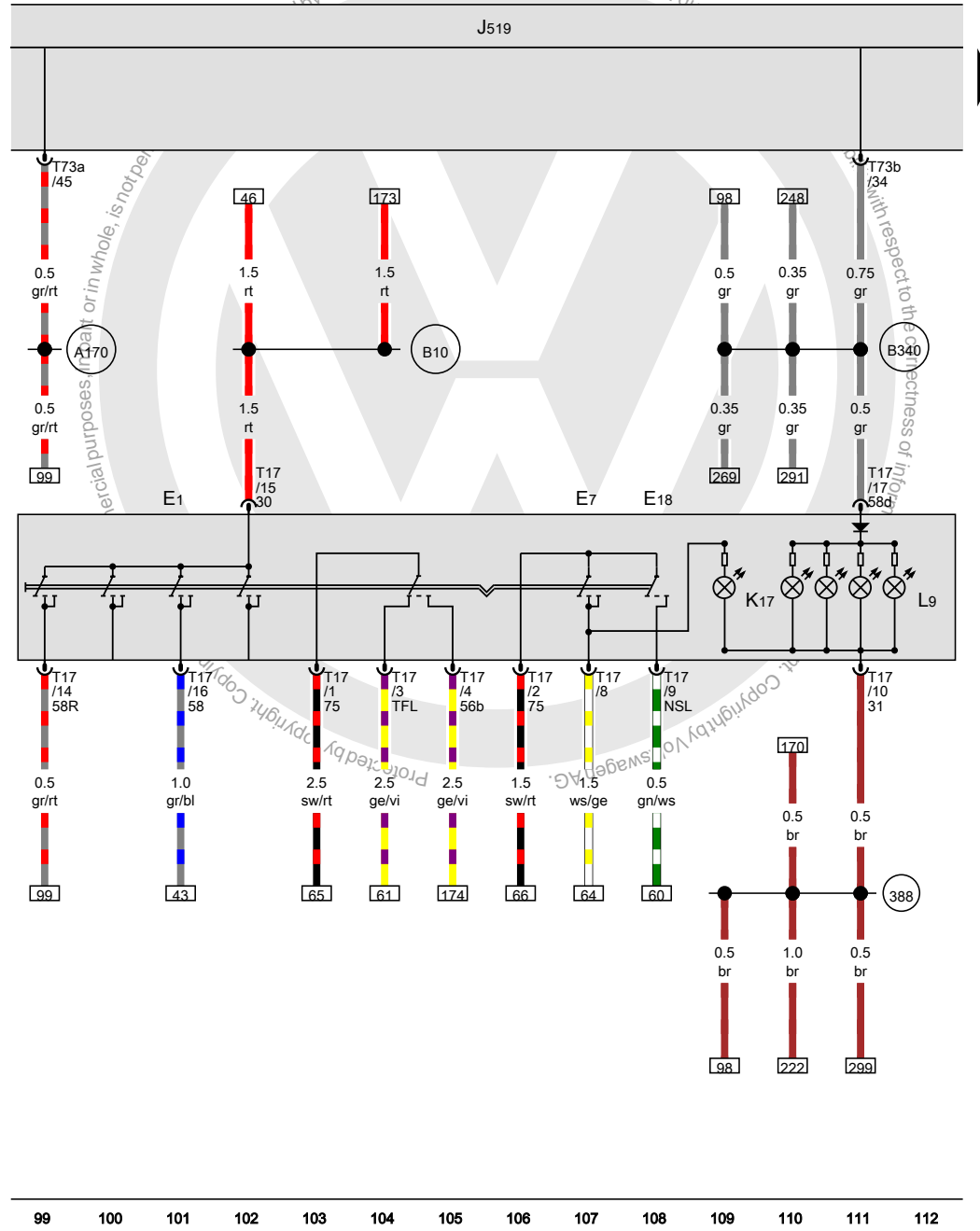
A3 Positive connection (58), in dash panel wiring harness

B457 Connection 1 (potentiometer), in main wiring harness

* Only models with daytime running lights

*2 Up to June 2012

- ws = white
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Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit, Fog light warning lamp

- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- K17 Fog light warning lamp
- L9 Light switch illumination bulb
- T17 17-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 388 Earth connection 23, in main wiring harness
- A170 Connection 2 (58R), in dash panel wiring harness
- B10 Positive connection (30), in light switch wiring harness
- B340 Connection 1 (58d), in main wiring harness

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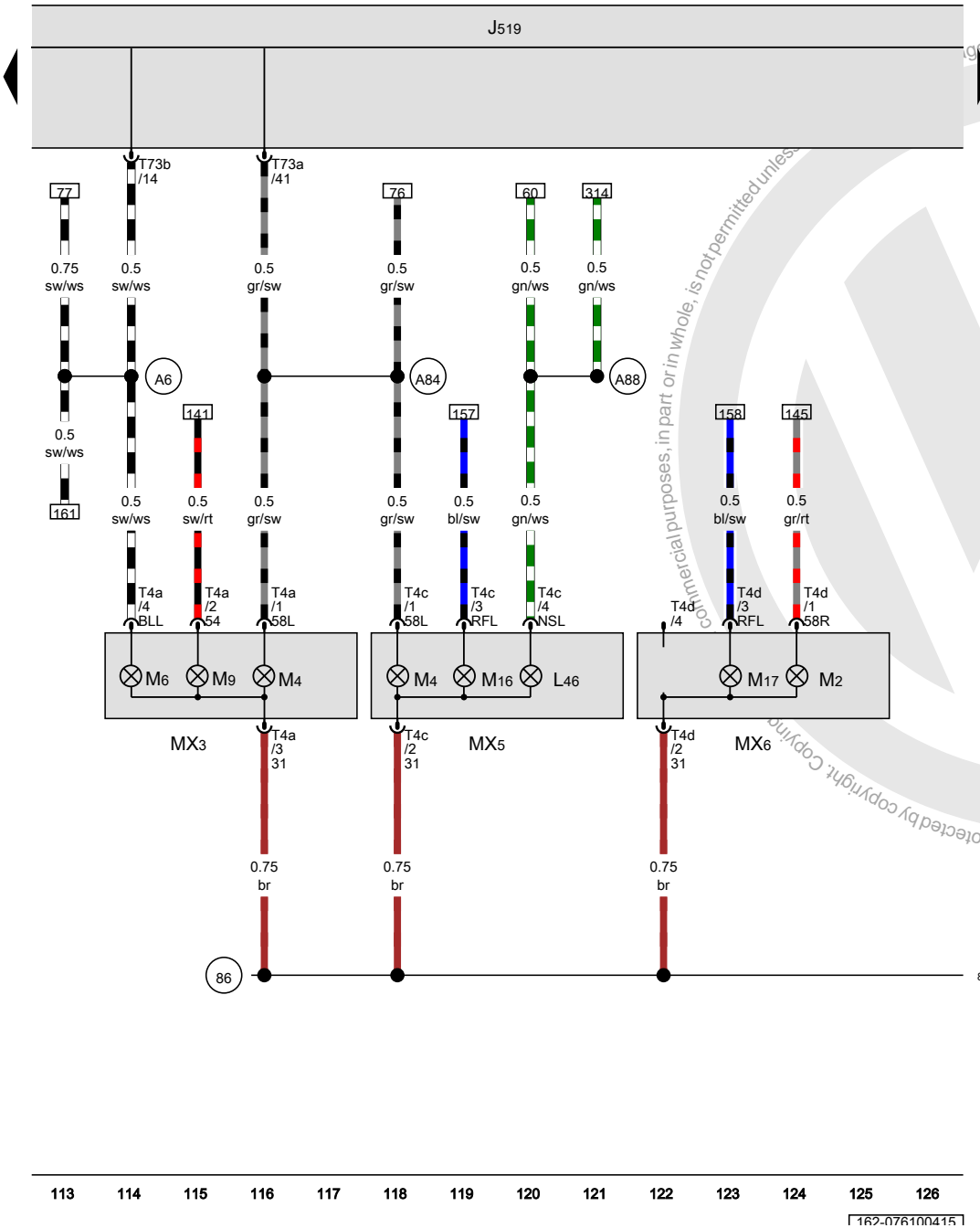
99 100 101 102 103 104 105 106 107 108 109 110 111 112

162-076090415

Onboard supply control unit, Rear left fog light bulb, Left tail light, Rear left turn signal bulb, Left brake light bulb, Left reversing light bulb, Right reversing light bulb

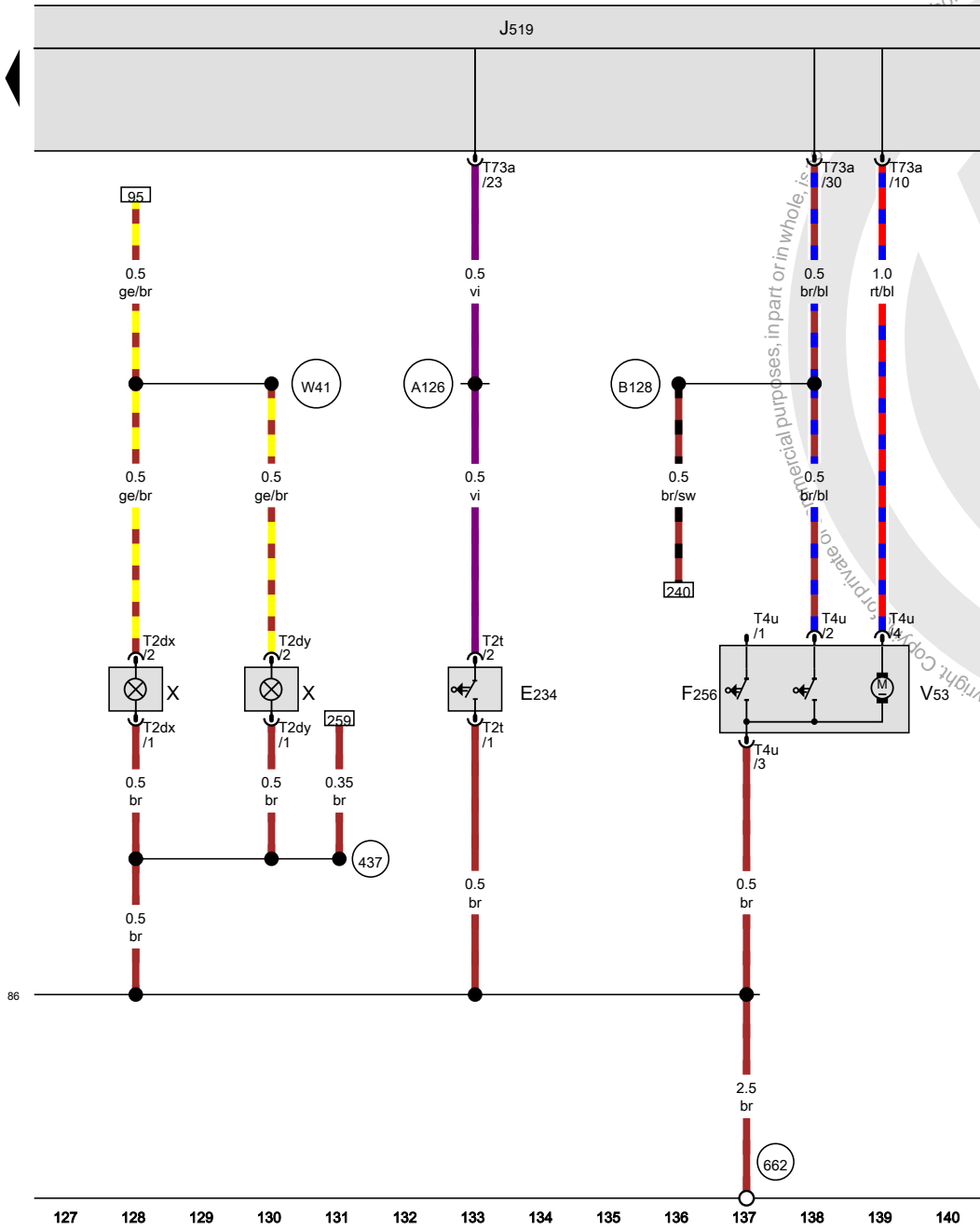
- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- M6 Rear left turn signal bulb
- MX6 Right tail light 2
- M9 Left brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T4a 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 86 Earth connection 1, in rear wiring harness
- A6 Positive connection (left turn signal), in dash panel wiring harness
- A84 Connection (58L), in dash panel wiring harness
- A88 Connection (RFL), in dash panel wiring harness



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Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, Rear lid central locking motor, Number plate light



- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2dx 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4u 4-pin connector
- T73a 73-pin connector
- V53 Rear lid central locking motor
- X Number plate light
- 86 Earth connection 1, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 662 Earth point, rear left side panel
- A126 Connection (rear lid contact switch), in dash panel wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- W41 Positive connection (58), in number plate lights wiring harness

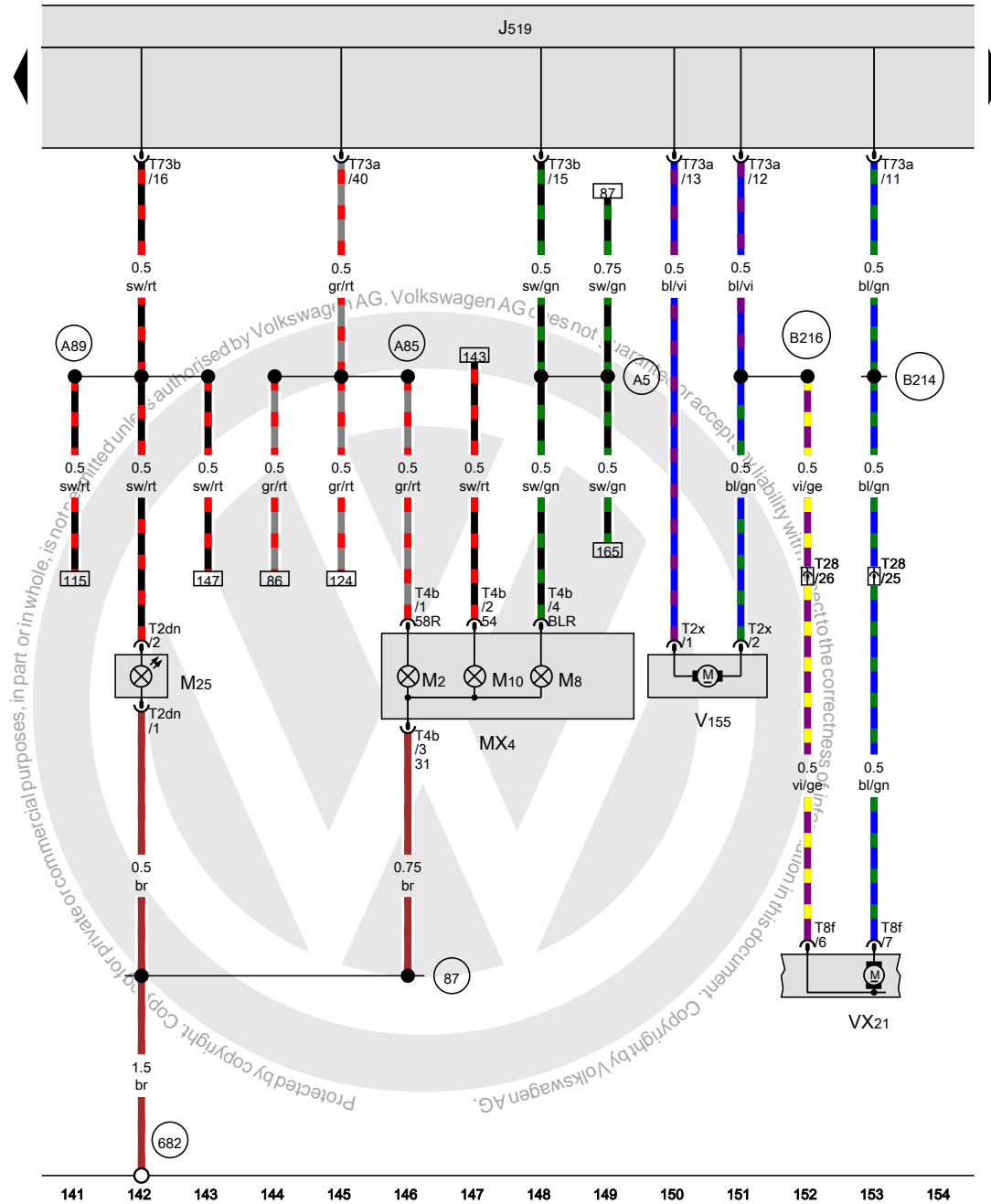
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Right tail light, Rear right turn signal bulb, Right brake light bulb, High-level brake light bulb, Tank filler flap locking motor

- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M25 High-level brake light bulb
- T2dn 2-pin connector
- T2x 2-pin connector
- T4b 4-pin connector
- T8f 8-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T73a 73-pin connector
- T73b 73-pin connector
- VX21 Driver door lock unit
- V155 Tank filler flap locking motor

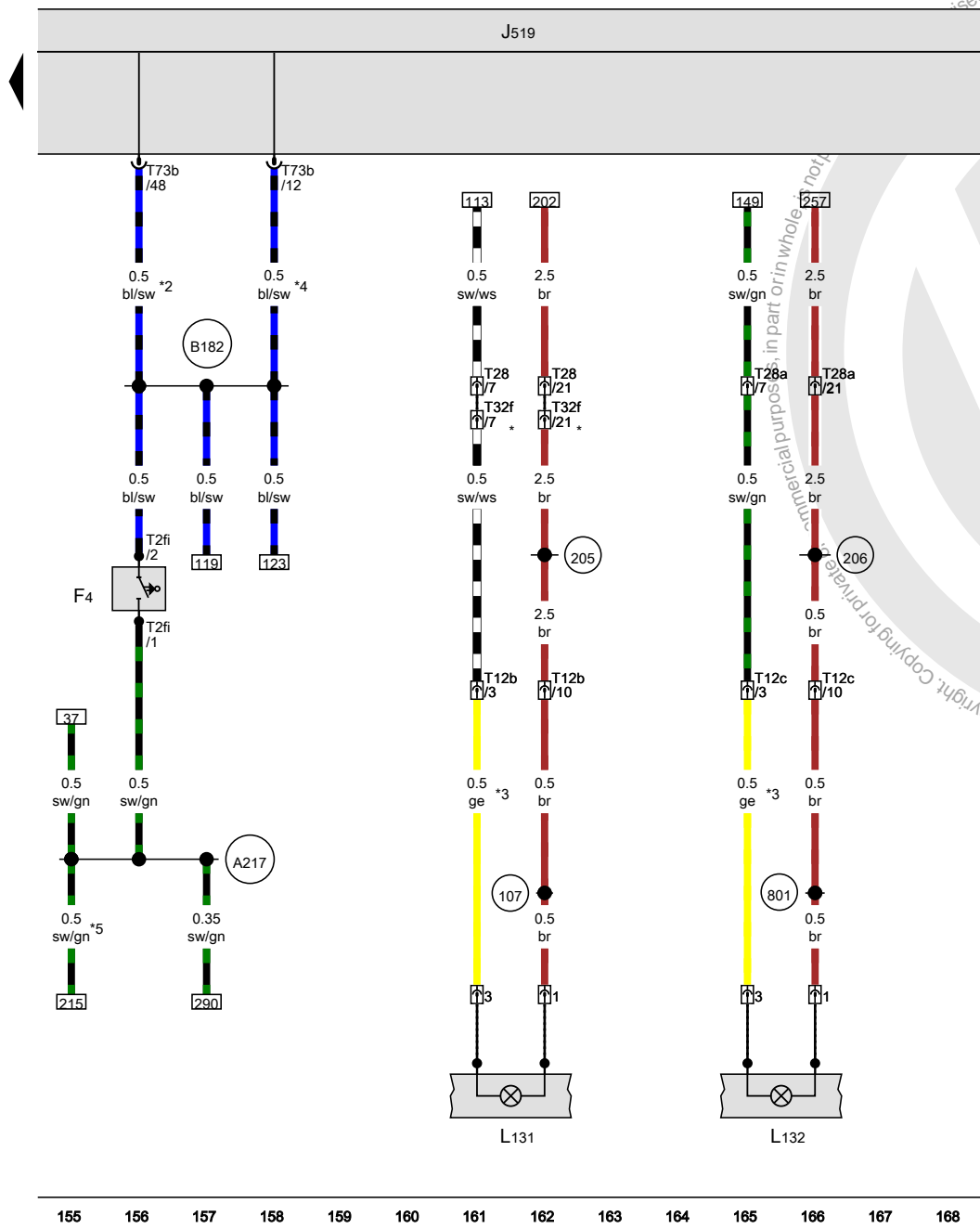
- 87 Earth connection 2, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A85 Connection (58R), in dash panel wiring harness
- A89 Connection 2 (54) in dash panel wiring harness
- B214 Connection 1 (central locking), in interior wiring harness
- B216 Connection 3 (central locking), in interior wiring harness

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- rs = pink



162-076120415

Reversing light switch, Onboard supply control unit, Driver side turn signal repeater bulb, Front passenger side turn signal repeater bulb



- F4 Reversing light switch
- J519 Onboard supply control unit
- L131 Driver side turn signal repeater bulb
- L132 Front passenger side turn signal repeater bulb
- T2fi 2-pin connector
- T2sl 2-pin connector, in driver side exterior mirror housing
- T2sr 2-pin connector
- T12b 12-pin connector, in driver door
- T12c 12-pin connector, in front passenger door
- T28 28-pin connector, lower part of A-pillar, driver side
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32f 32-pin connector, lower part of A-pillar, driver side
- T73b 73-pin connector

- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 801 Earth connection 2, in external mirror wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B182 Connection (RL), in interior wiring harness

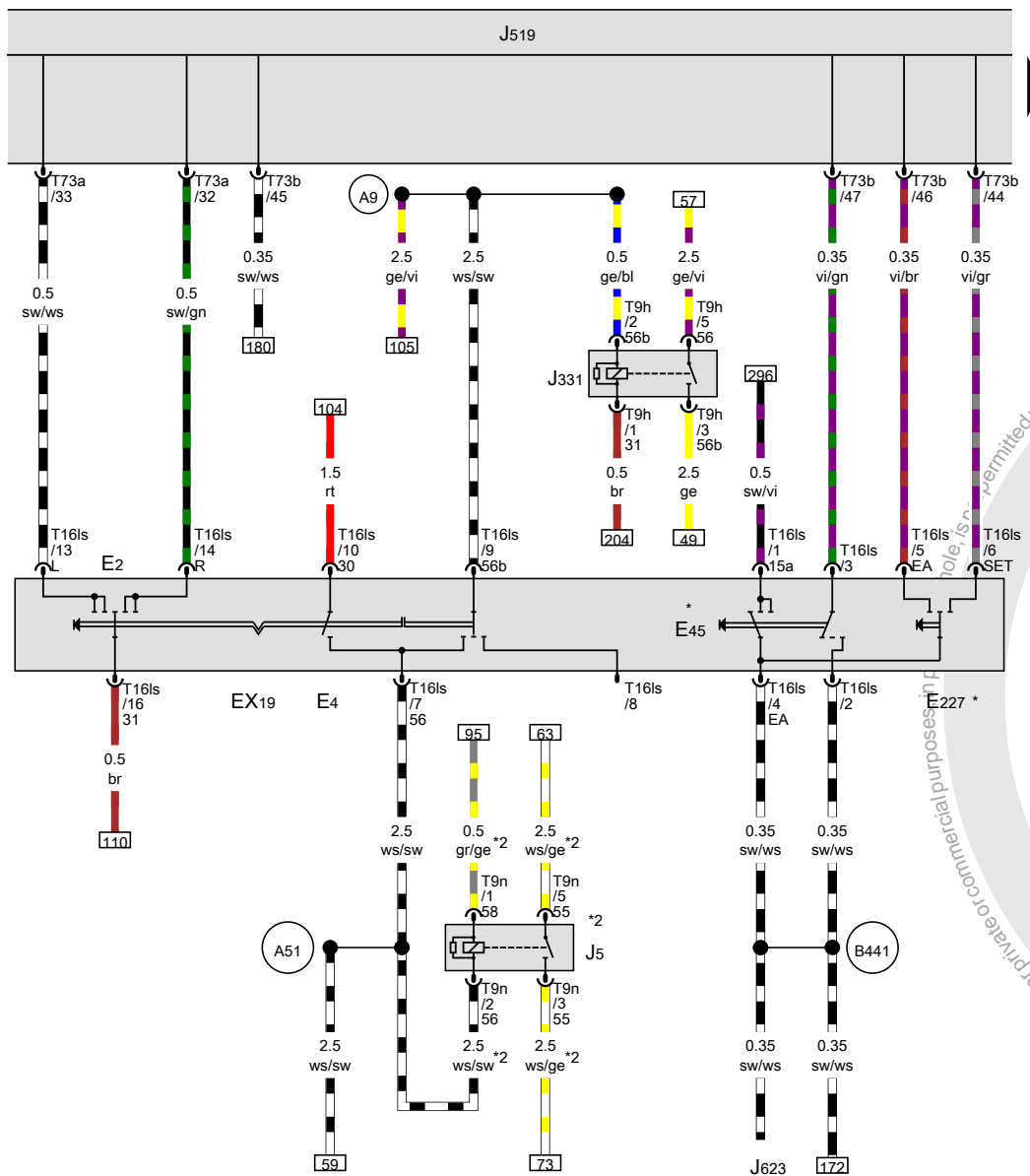
- * According to equipment
- *2 Only models with manual gearbox
- *3 Wiring colour depends on equipment
- *4 Only models with automatic gearbox
- *5 Up to May 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- li = purple
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Turn signal switch, Headlight dipper and flasher switch, Left steering column switch, Cruise control system switch, Cruise control system (CCS) SET button, Onboard supply control unit

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- EX19 Left steering column switch
- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- J5 Fog light relay
- J331 Dipped beam relay
- J519 Onboard supply control unit
- J623 Engine control unit
- T9h 9-pin connector
- T9n 9-pin connector
- T16ls 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

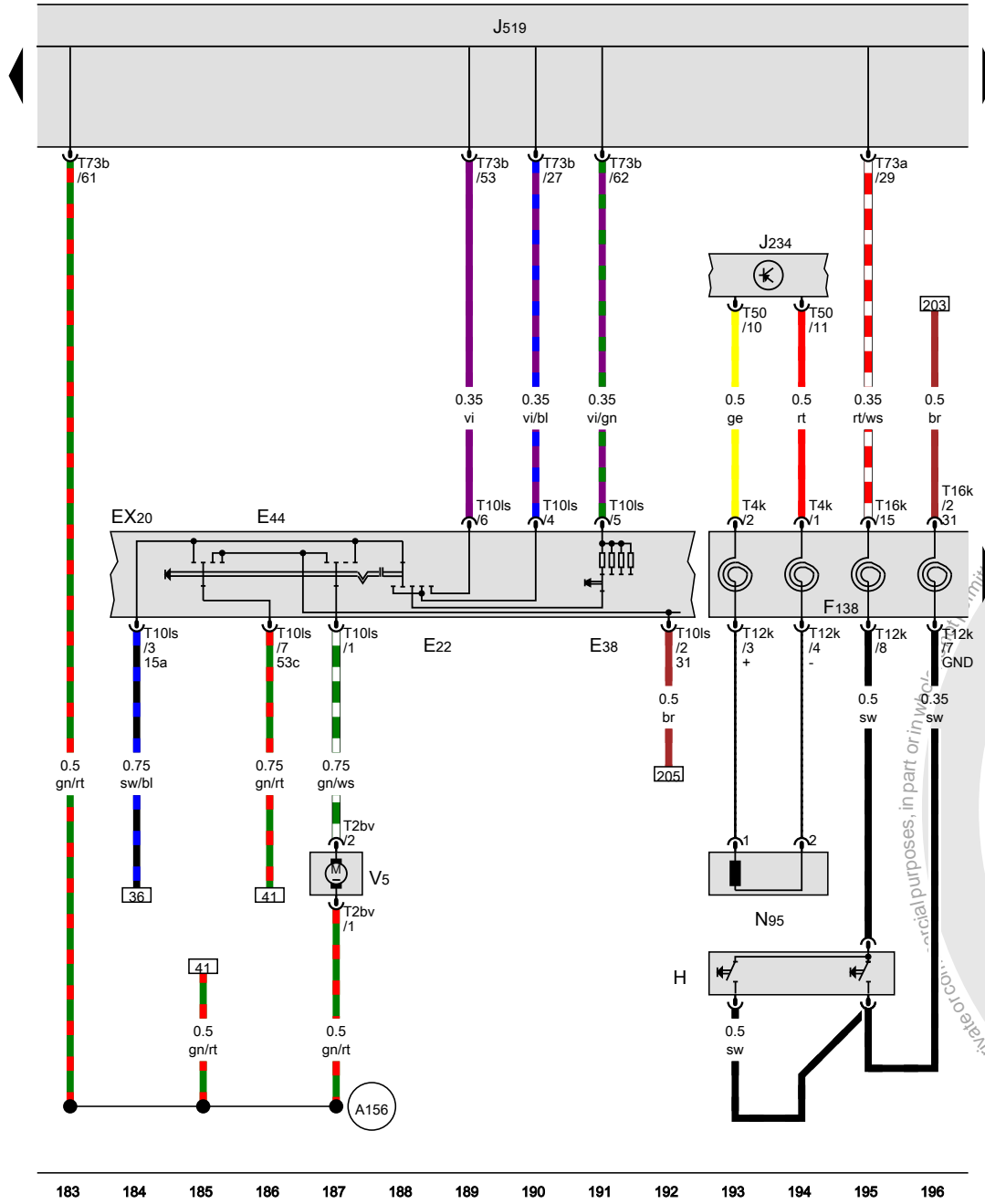
- A9 Positive connection (56b), in instruments wiring harness
- A51 Connection (56), in dash panel wiring harness
- B441 Connection (CCS), in main wiring harness
- * Only models with cruise control system (CCS)
- *2 Up to June 2012



- ws = white
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Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Airbag coil connector and return ring with slip ring, Onboard supply control unit

- EX20 Right steering column switch
- E22 Intermittent wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- N95 Driver side airbag igniter
- T2bv 2-pin connector
- T4k 4-pin connector
- T10ls 10-pin connector
- T12k 12-pin connector
- T16k 16-pin connector
- T50 50-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V5 Washer pump
- A156 Connection (53c), in dash panel wiring harness



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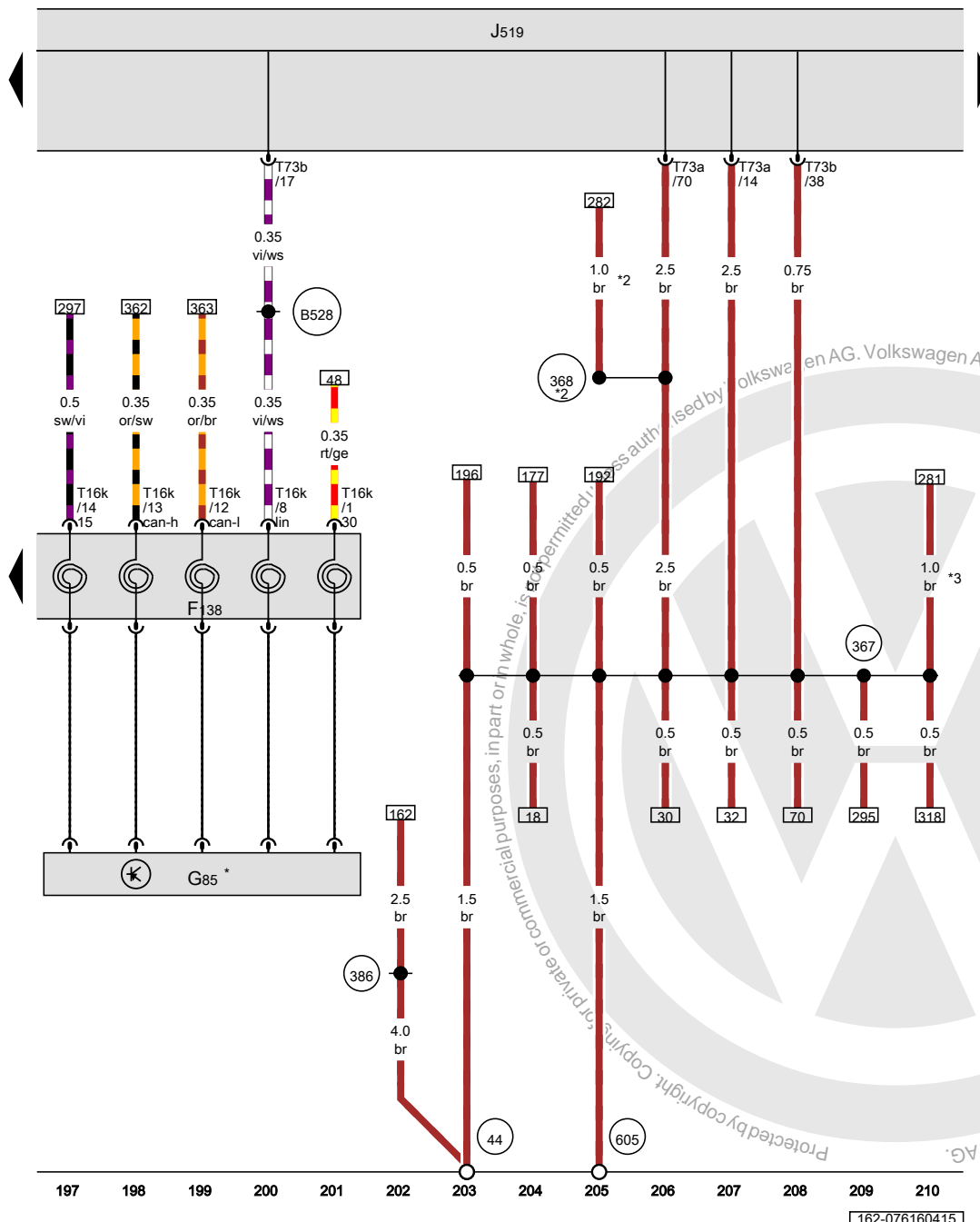
183 184 185 186 187 188 189 190 191 192 193 194 195 196
 162-076150415

Airbag coil connector and return ring with slip ring, Steering angle sender, Onboard supply control unit

- F138 Airbag coil connector and return ring with slip ring
- G85 Steering angle sender
- J519 Onboard supply control unit
- T16k 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 368 Earth connection 3, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- B528 Connection 1 (LIN bus) in main wiring harness

* with respect to the correctness of information in this document, Copying for private or commercial purposes, in part or in whole, is not permitted.
 * according to equipment
 *2 Up to May 2013
 *3 From June 2013

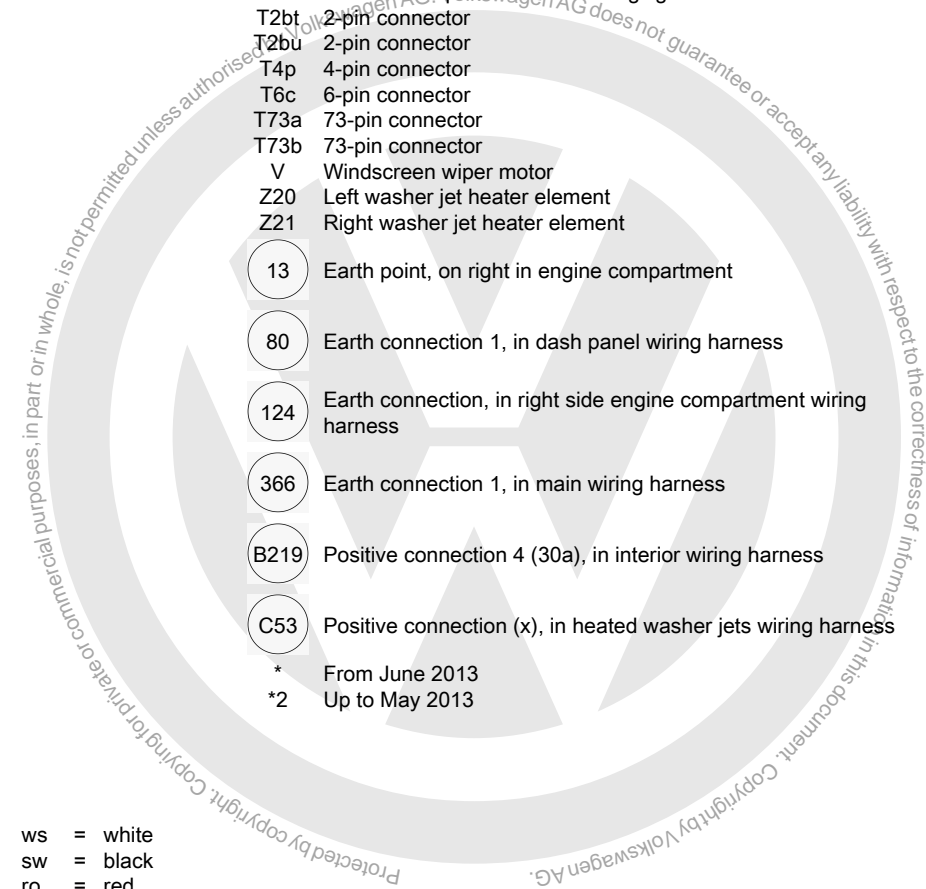


162-076160415

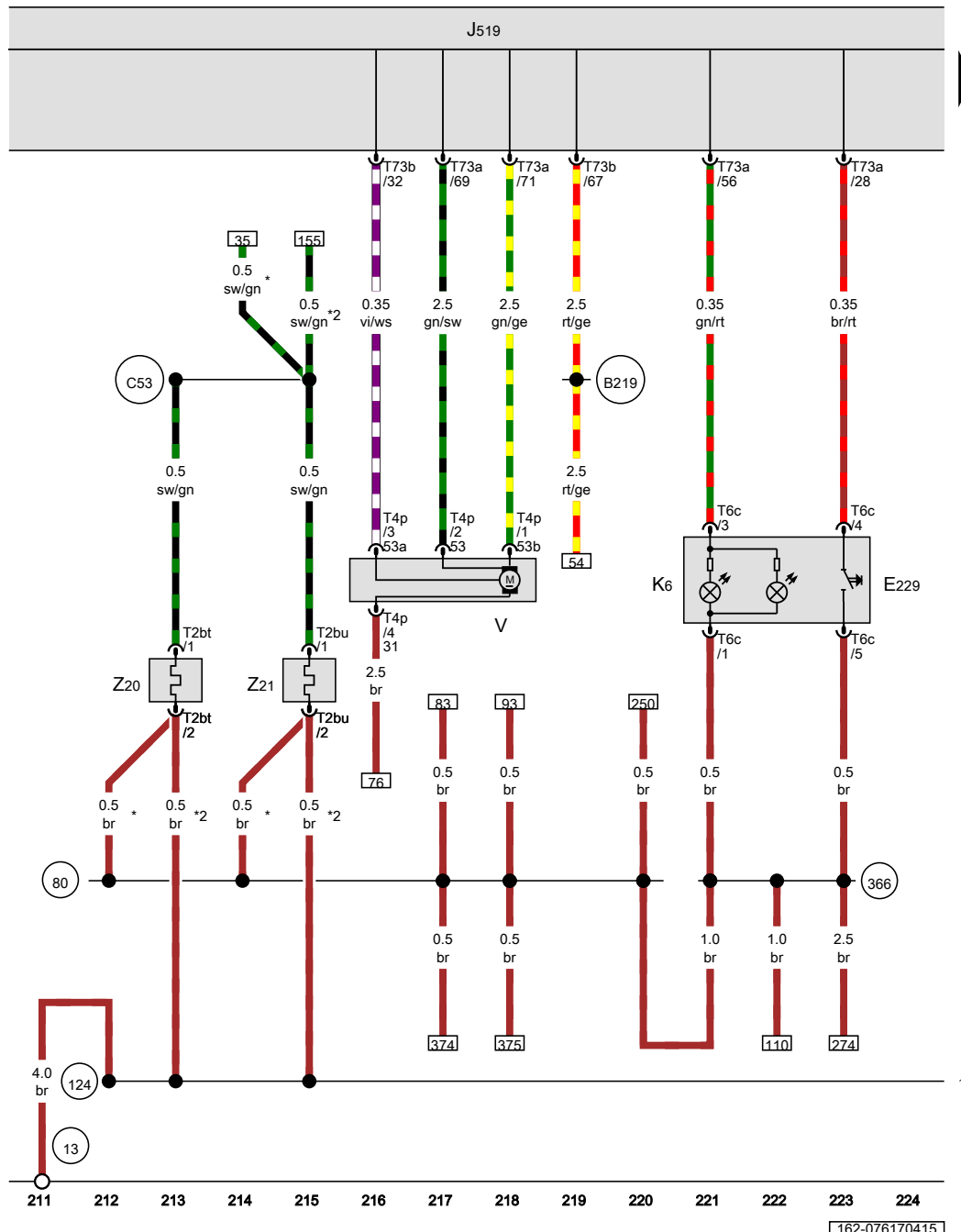
Hazard warning lights button, Onboard supply control unit, Indicator lamp for hazard warning light, Windscreen wiper motor, Left washer jet heater element, Right washer jet heater element

- E229 Hazard warning lights button
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2bt 2-pin connector
- T2bu 2-pin connector
- T4p 4-pin connector
- T6c 6-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V Windscreen wiper motor
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 13 Earth point, on right in engine compartment
- 80 Earth connection 1, in dash panel wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 366 Earth connection 1, in main wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness
- * From June 2013
- *2 Up to May 2013

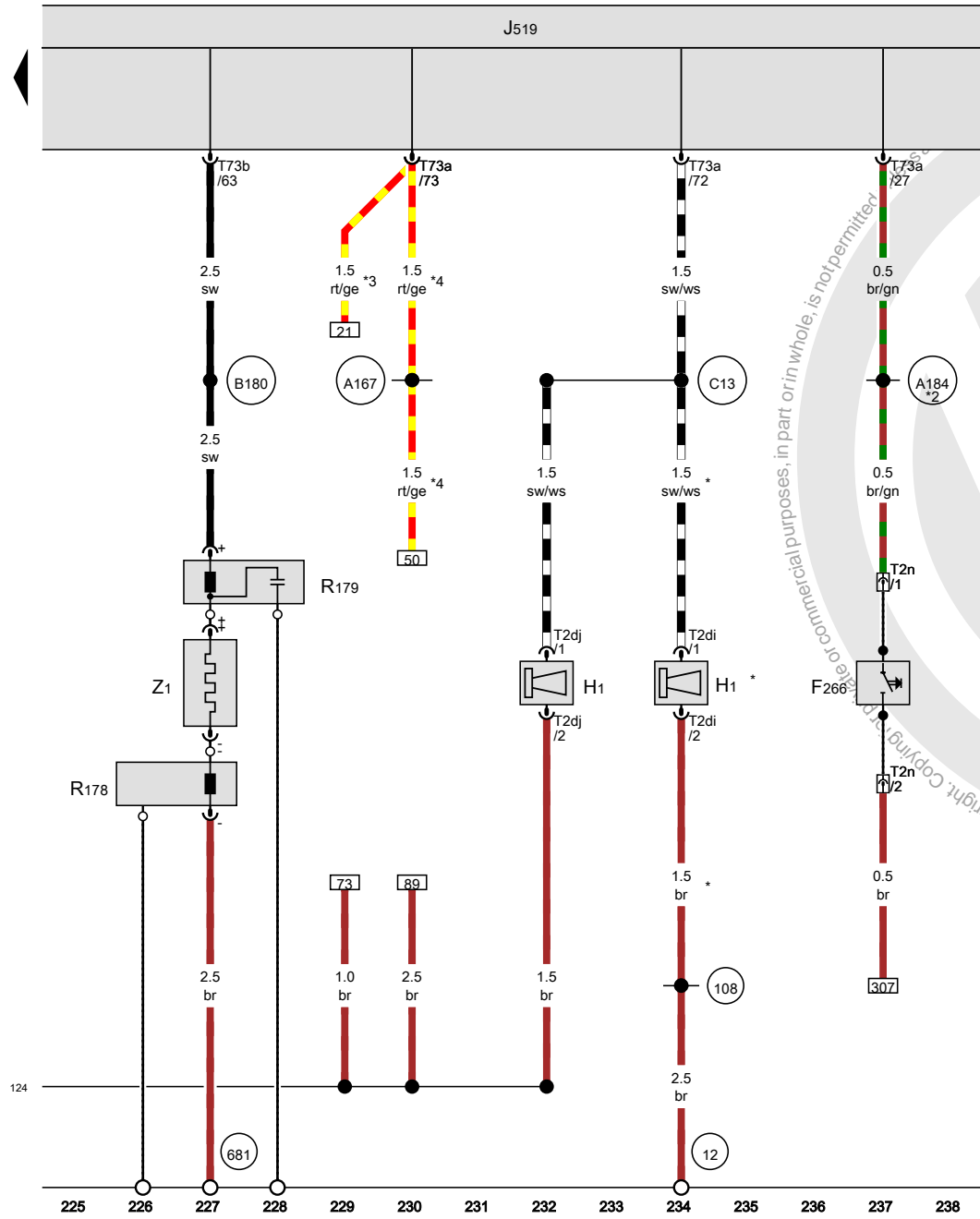


- ws = white
- sw = black
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- ge = yellow
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162-076170415

Bonnet contact switch, Horn or dual tone horn, Onboard supply control unit, Heated rear window



- F266 Bonnet contact switch
- H1 Horn or dual tone horn
- J519 Onboard supply control unit
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T2di 2-pin connector
- T2dj 2-pin connector
- T2n 2-pin connector, near headlight
- T73a 73-pin connector
- T73b 73-pin connector
- Z1 Heated rear window
- 12 Earth point, on left in engine compartment
- 108 Earth connection 2, in front left wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 681 Earth point 1, in rear right side panel
- A167 Positive connection 3 (30a) in dash panel wiring harness
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- C13 Positive connection in dual tone horn wiring harness
- * Only models with dual tone horn
- *2 Up to May 2013
- *3 Up to June 2012
- *4 From July 2012

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 sw = black
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162-076180415

Glove compartment light switch, Onboard supply control unit, Front interior light, Luggage compartment light, Glove compartment light, Left centre reading light, Right centre reading light

- E26 Glove compartment light switch
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2bp 2-pin connector
- T2br 2-pin connector
- T6b 6-pin connector
- T73a 73-pin connector
- W1 Front interior light
- W3 Luggage compartment light
- W6 Glove compartment light
- W39 Left centre reading light
- W40 Right centre reading light

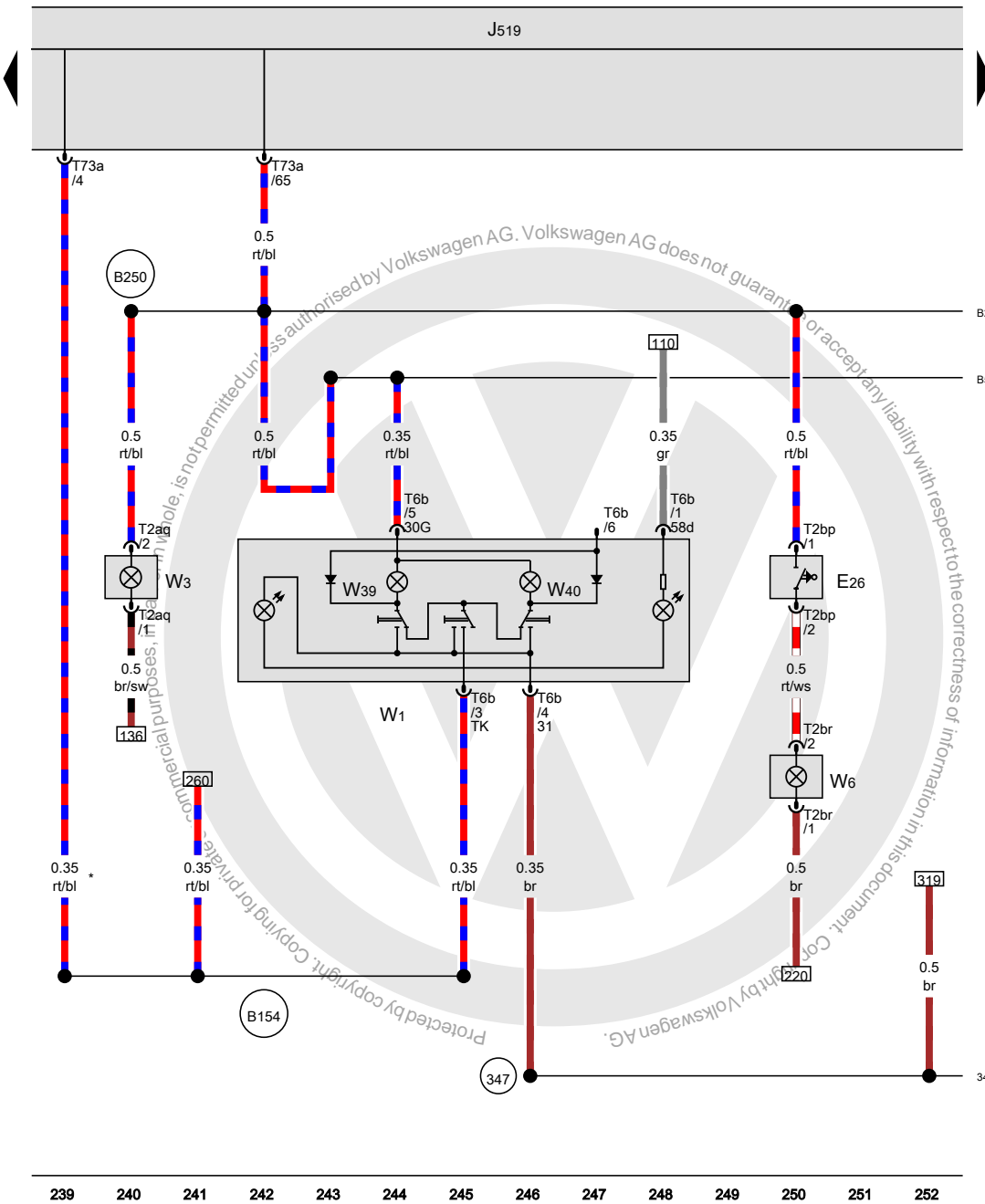
347 Earth connection, in roof wiring harness

B154 Connection 1 (DCt), in interior wiring harness

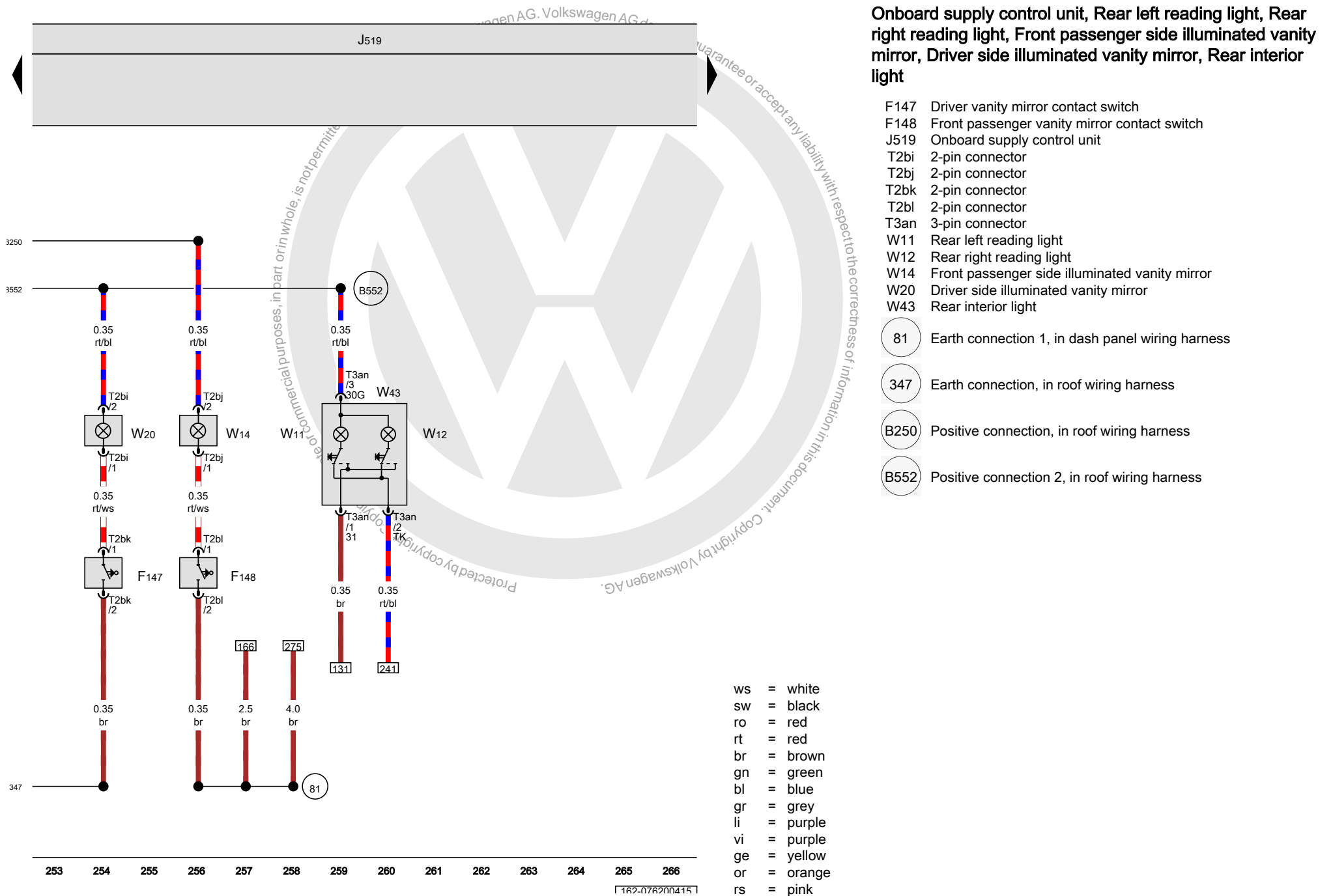
B250 Positive connection, in roof wiring harness

B552 Positive connection 2, in roof wiring harness

* According to equipment



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Onboard supply control unit, Rear left reading light, Rear right reading light, Front passenger side illuminated vanity mirror, Driver side illuminated vanity mirror, Rear interior light

- F147 Driver vanity mirror contact switch
- F148 Front passenger vanity mirror contact switch
- J519 Onboard supply control unit
- T2bi 2-pin connector
- T2bj 2-pin connector
- T2bk 2-pin connector
- T2bl 2-pin connector
- T3an 3-pin connector
- W11 Rear left reading light
- W12 Rear right reading light
- W20 Front passenger side illuminated vanity mirror
- W14 Driver side illuminated vanity mirror
- W43 Rear interior light

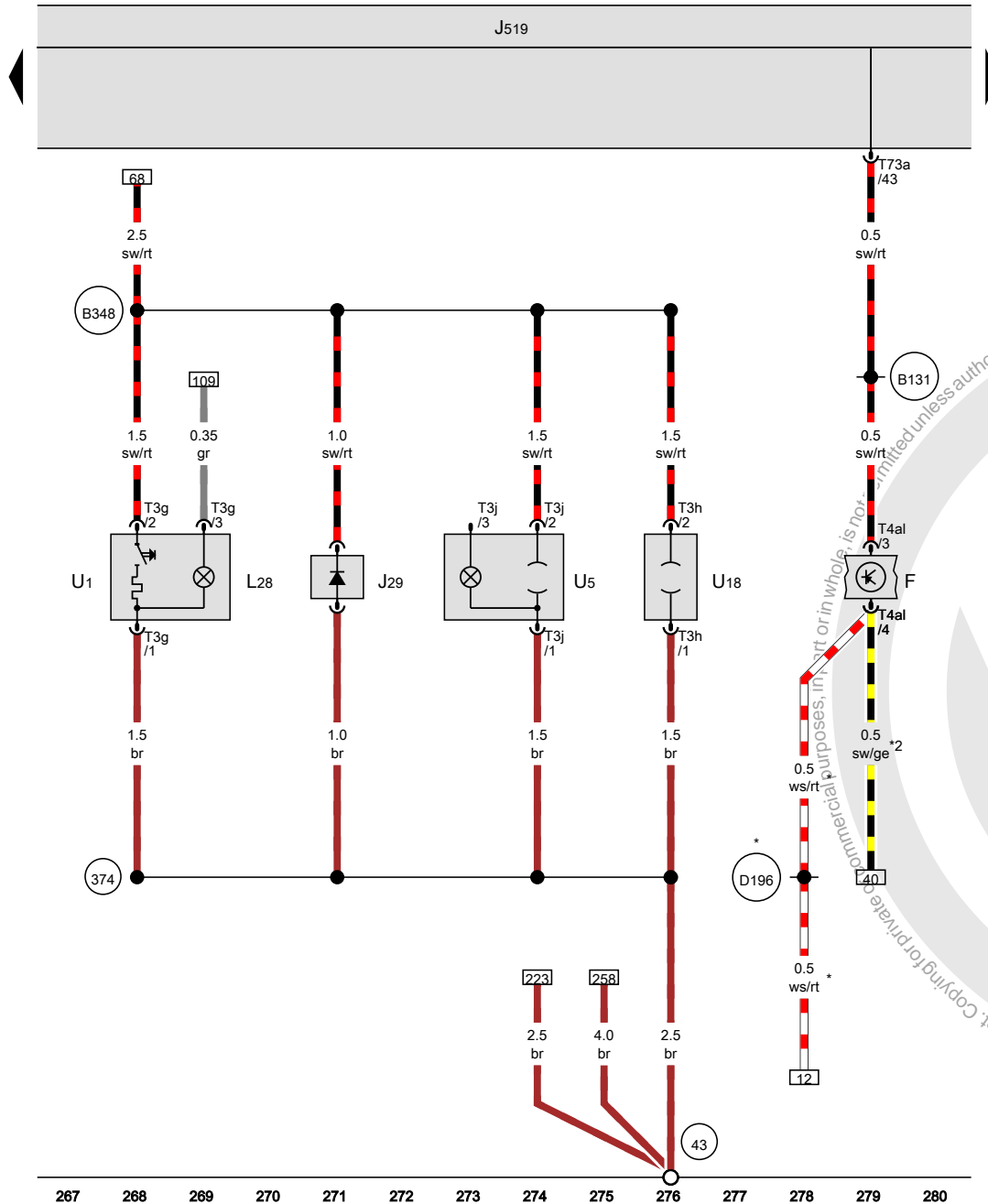
- 81 Earth connection 1, in dash panel wiring harness
- 347 Earth connection, in roof wiring harness
- B250 Positive connection, in roof wiring harness
- B552 Positive connection 2, in roof wiring harness

- ws = white
- sw = black
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253 254 255 256 257 258 259 260 261 262 263 264 265 266

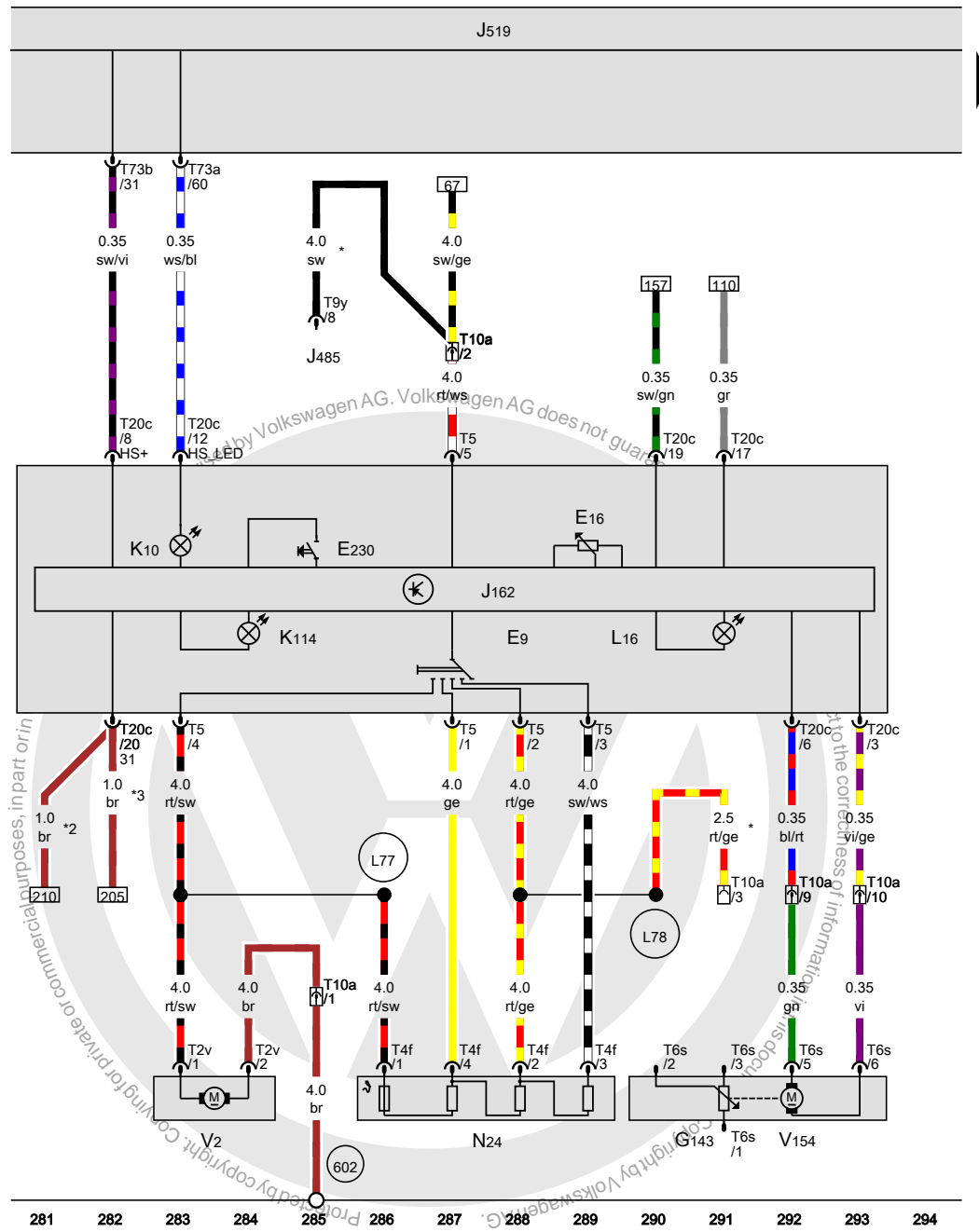
[162-076200415]

Brake light switch, Blocking diode, Onboard supply control unit, Cigarette lighter illumination bulb, Cigarette lighter, 12 V socket



- F Brake light switch
- J29 Blocking diode, in interior wiring harness
- J519 Onboard supply control unit
- L28 Cigarette lighter illumination bulb
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T4al 4-pin connector
- T73a 73-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- 43 Earth point, lower part of right A-pillar
- 374 Earth connection 9, in main wiring harness
- B131 Connection (54), in interior wiring harness
- B348 Connection 1 (75a), in main wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * According to equipment
- *2 Gradually discontinued

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Fresh air blower switch, Heater control unit, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower, Fresh air and air recirculation flap control motor

- E9 Fresh air blower switch
 - E16 Heater/heat output switch
 - E230 Heated rear window button
 - G143 Potentiometer for air recirculation flap control motor
 - J162 Heater control unit
 - J485 Auxiliary heater operation relay
 - J519 Onboard supply control unit
 - K10 Heated rear window warning lamp
 - K114 Fresh air and air recirculation warning lamp
 - L16 Fresh air regulator illumination bulb
 - N24 Fresh air blower series resistor with overheating fuse
 - T2v 2-pin connector
 - T4f 4-pin connector
 - T5 5-pin connector
 - T6s 6-pin connector
 - T9y 9-pin connector
 - T10a 10-pin connector, on heater and air conditioner unit
 - T20c 20-pin connector
 - T73a 73-pin connector
 - T73b 73-pin connector
 - V2 Fresh air blower
 - V154 Fresh air and air recirculation flap control motor
- (602) Earth point, in front left footwell
 - (L77) Connection, in fresh air blower wiring harness
 - (L78) Connection 1, in fresh air blower wiring harness
- * Only models with auxiliary coolant heater
 - *2 From June 2013
 - *3 Up to May 2013

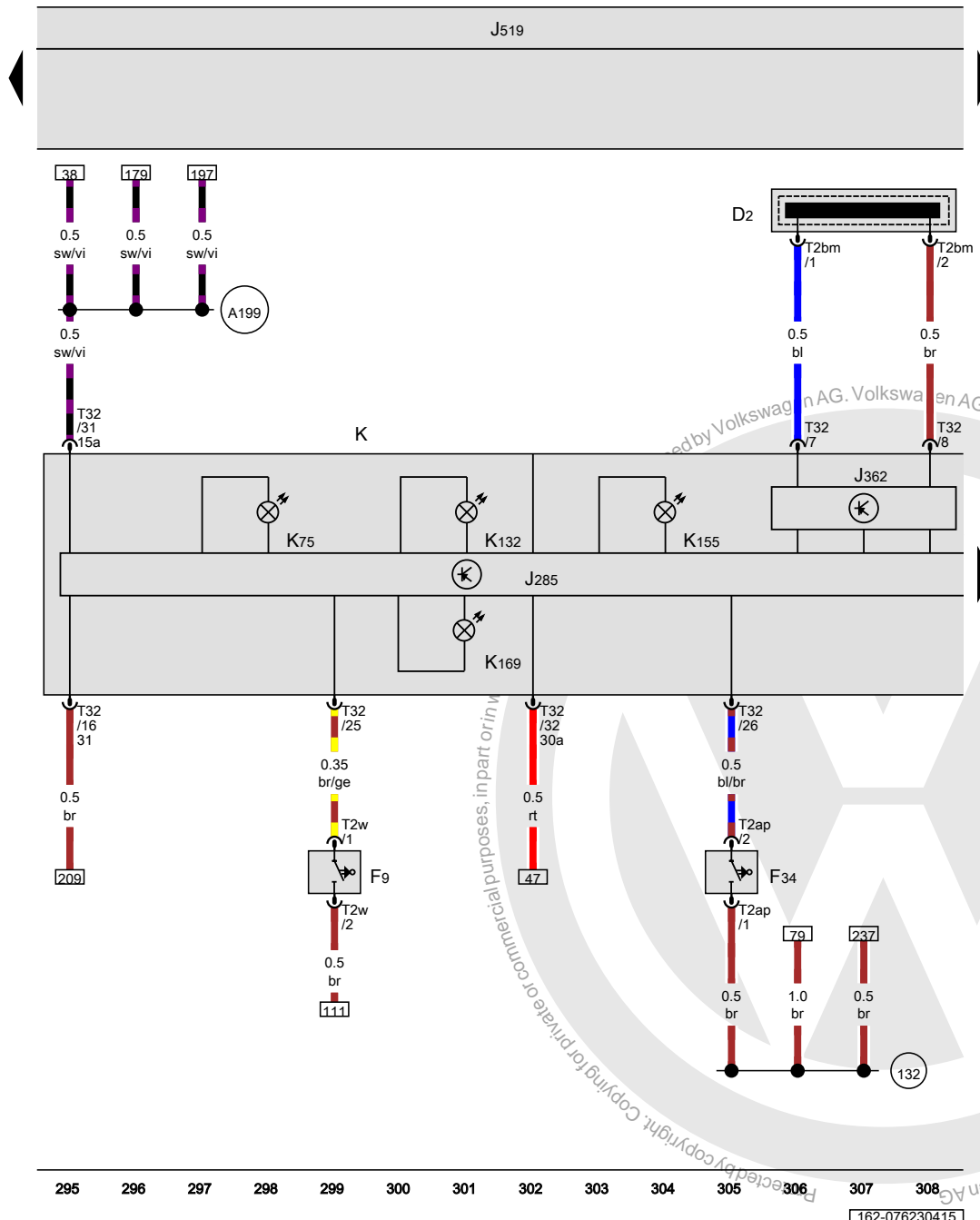
- ws = white
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Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Immobiliser control unit, Onboard supply control unit, Dash panel insert

- D2 Immobiliser reader coil
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K75 Airbag warning lamp
- K132 Electronic power control fault lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K169 Selector lever lock warning lamp
- T2ap 2-pin connector
- T2bm 2-pin connector
- T2w 2-pin connector
- T32 32-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness

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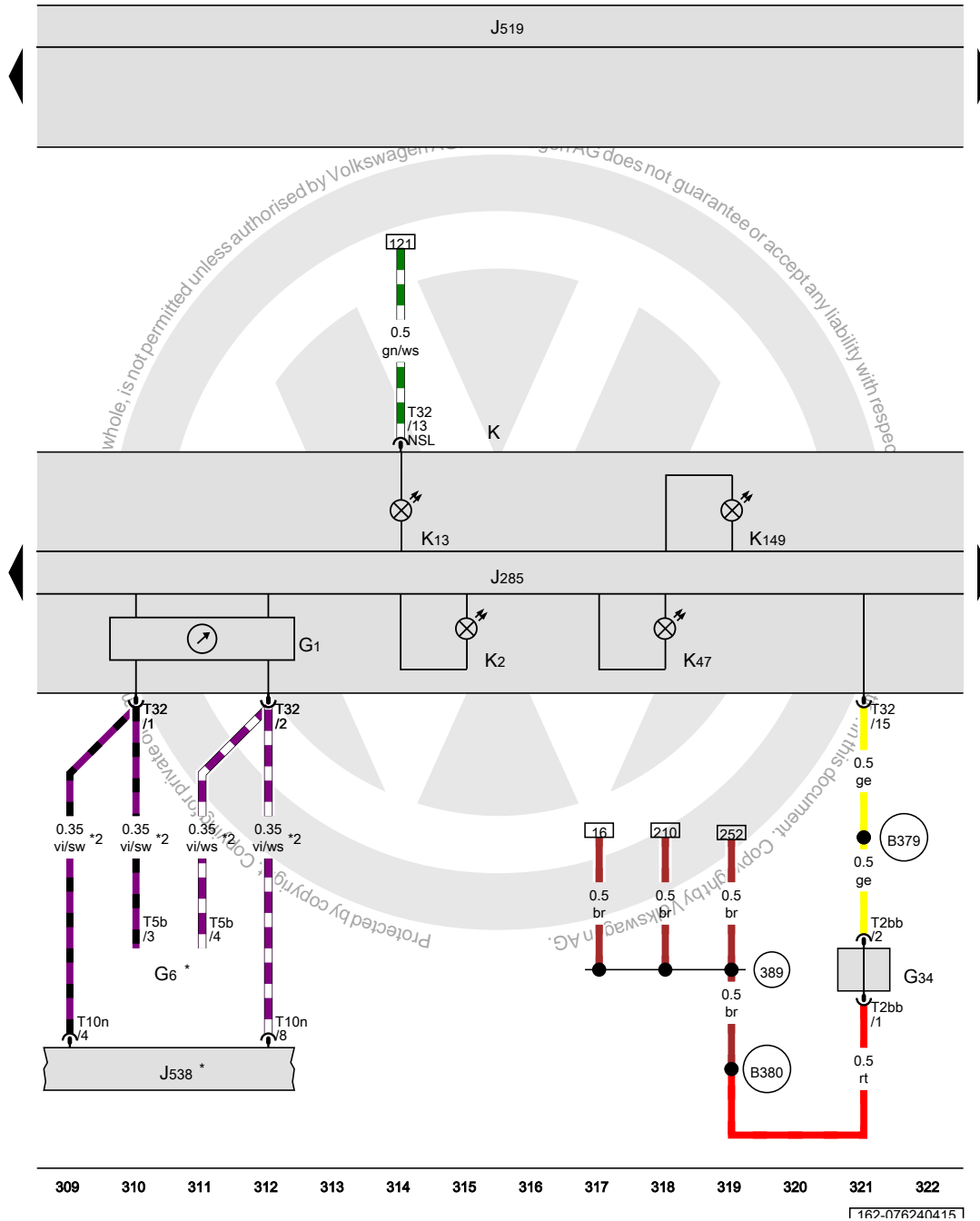
[162-076230415]

Front left brake pad wear sender, Onboard supply control unit, Fuel pump control unit, Dash panel insert, Rear fog light warning lamp

- G1 Fuel gauge
- G6 Fuel system pressurisation pump
- G34 Front left brake pad wear sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K13 Rear fog light warning lamp
- K47 ABS warning lamp
- K149 Engine electronics warning lamp
- T2bb 2-pin connector
- T5b 5-pin connector
- T10n 10-pin connector
- T32 32-pin connector

- 389 Earth connection 24, in main wiring harness
- B379 Connection 1 (brake pad wear indicator), in main wiring harness
- B380 Connection 2 (brake pad wear indicator), in main wiring harness

* see applicable current flow diagram for engine
 *2 According to equipment

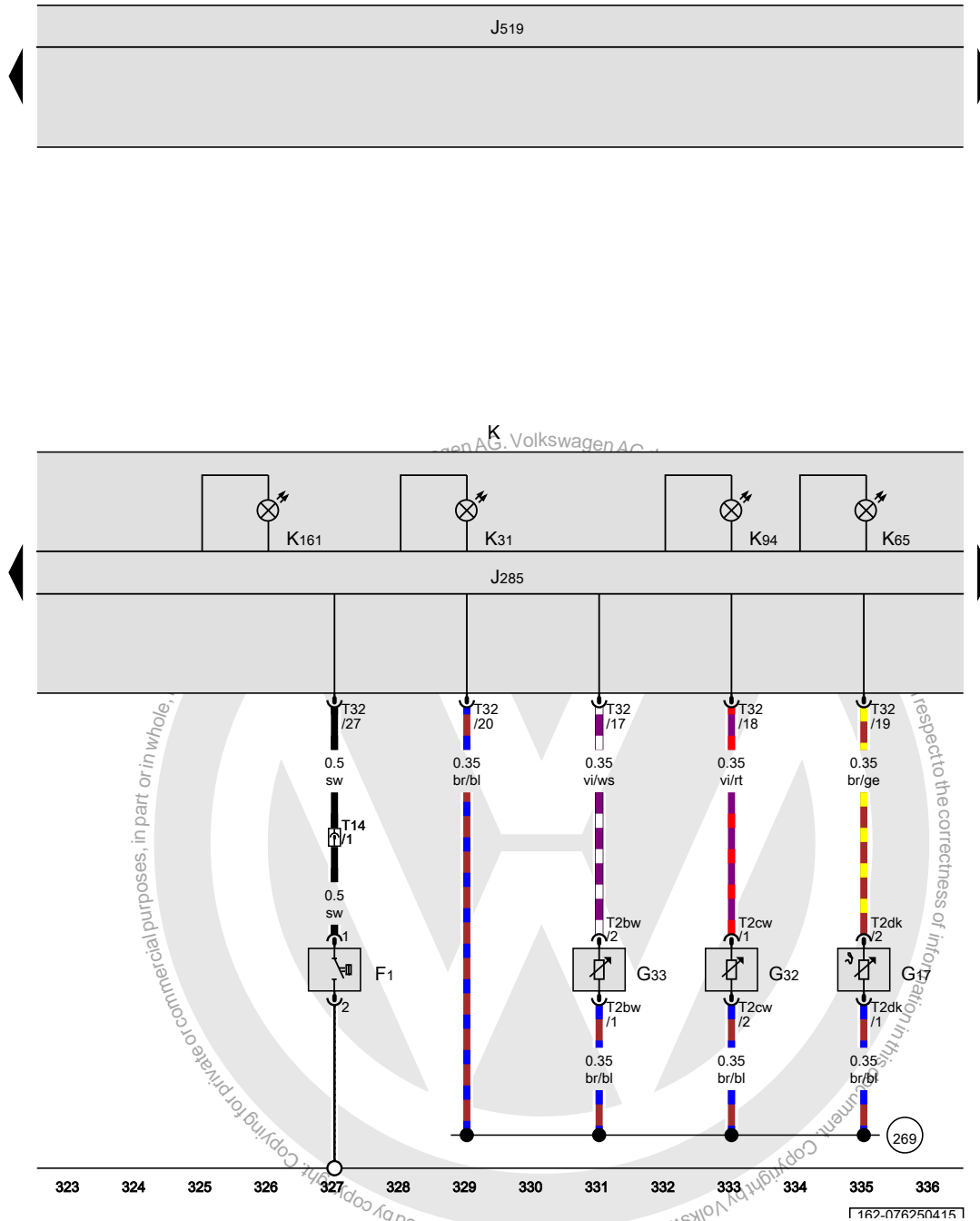


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- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Onboard supply control unit, Dash panel insert

- F1 Oil pressure switch
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K31 Cruise control system warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K161 Electromechanical power steering warning lamp
- T2bw 2-pin connector
- T2cw 2-pin connector
- T2dk 2-pin connector
- T14 14-pin connector
- T32 32-pin connector

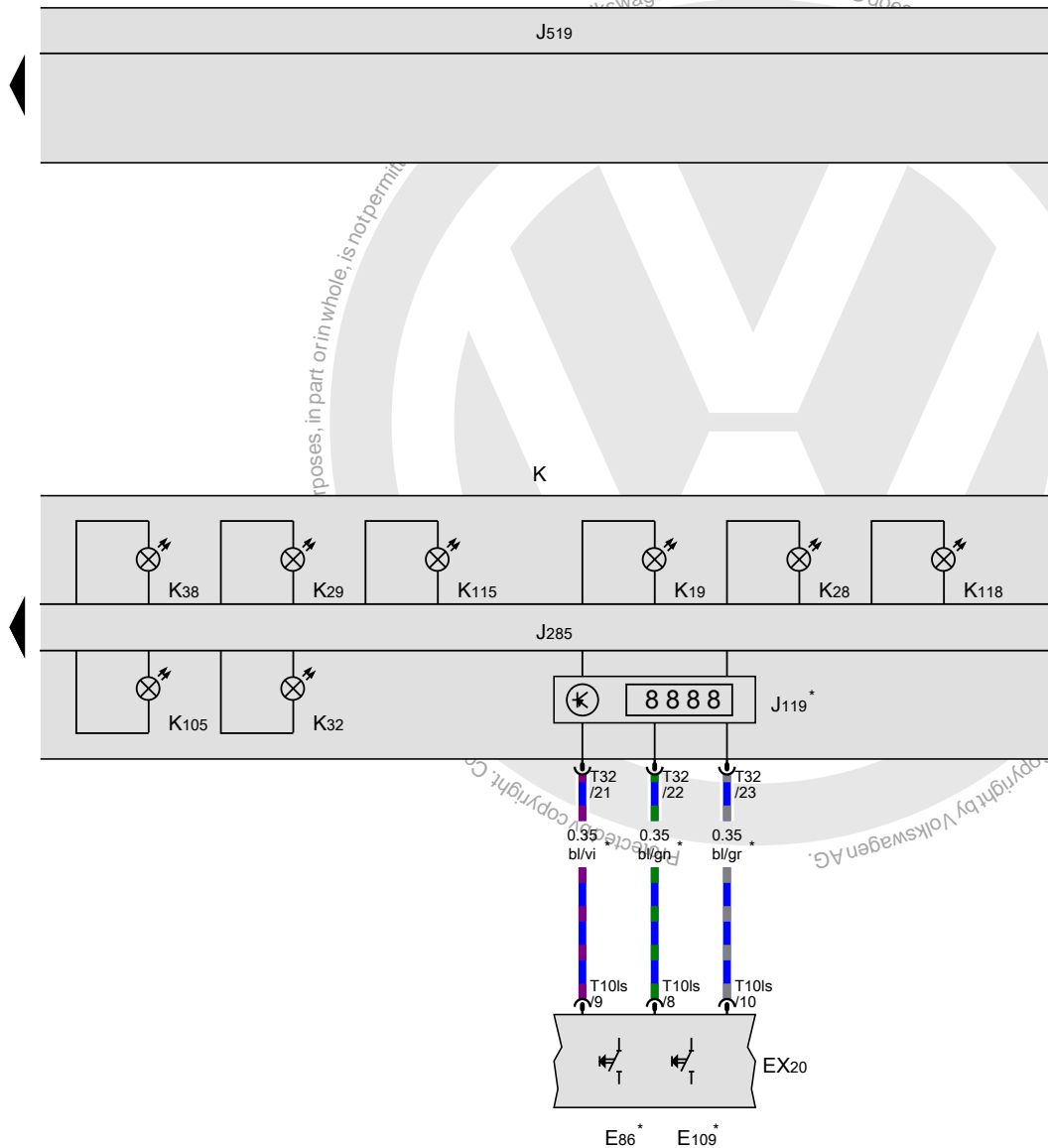
269 Earth connection (sender earth) 1, in dash panel wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Right steering column switch, Multifunction display call-up button, Multifunction display memory switch, Multifunction indicator, Onboard supply control unit, Dash panel insert

- EX20 Right steering column switch
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K32 Brake pad warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K115 Immobiliser warning lamp
- K118 Brake system warning lamp
- T10Is 10-pin connector
- T32 32-pin connector
- * Only models with multifunction display

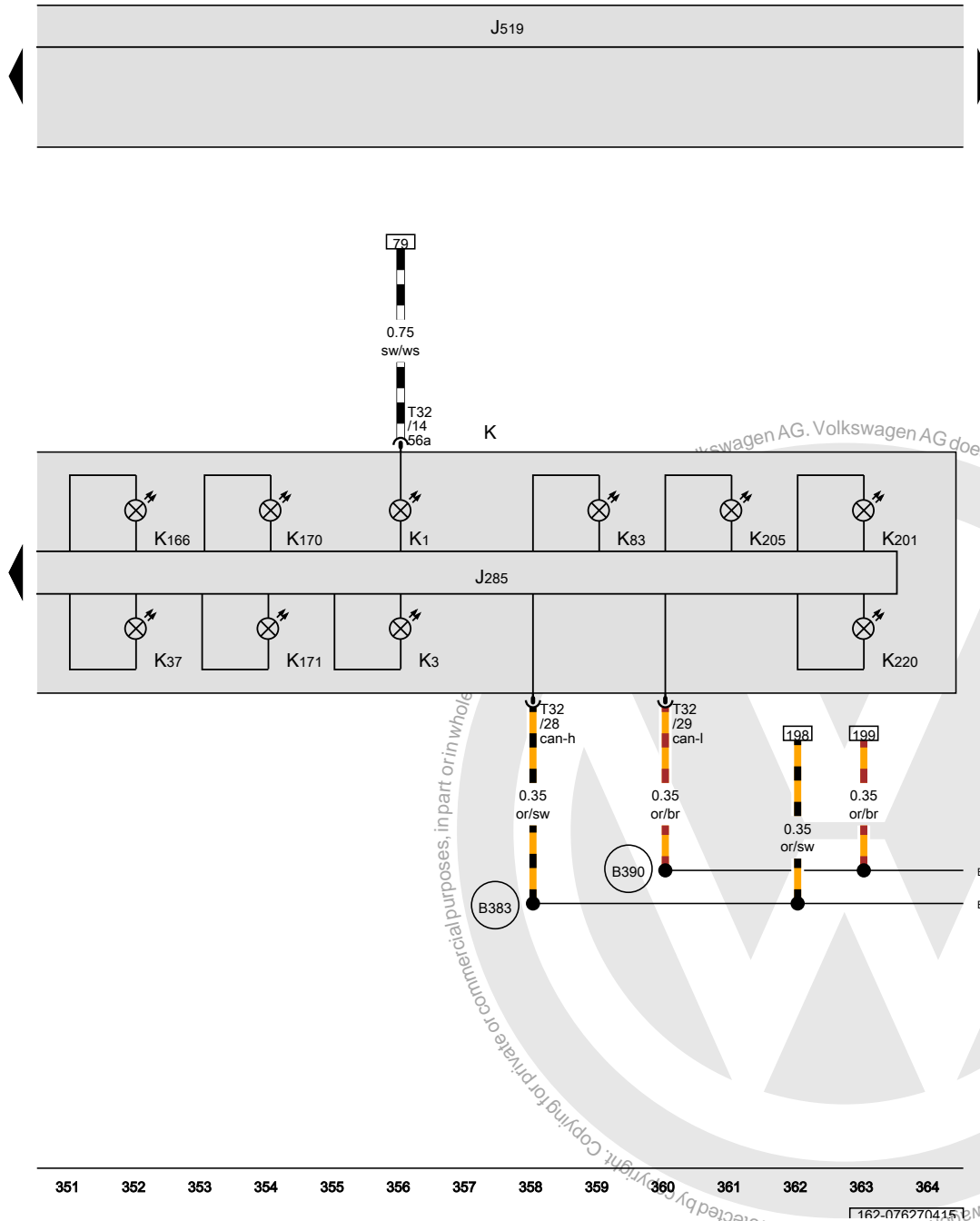


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Dash panel insert

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K1 Main beam warning lamp
- K3 Oil pressure warning lamp
- K37 Washer fluid level warning lamp
- K83 Exhaust emissions warning lamp
- K166 Door open warning lamp
- K170 Bulb failure warning lamp
- K171 Bonnet open warning lamp
- K201 Fuel tank flap lock warning lamp
- K205 Warning lamp for daytime running lights
- K220 Tyre Pressure Loss Indicator warning lamp
- T32 32-pin connector

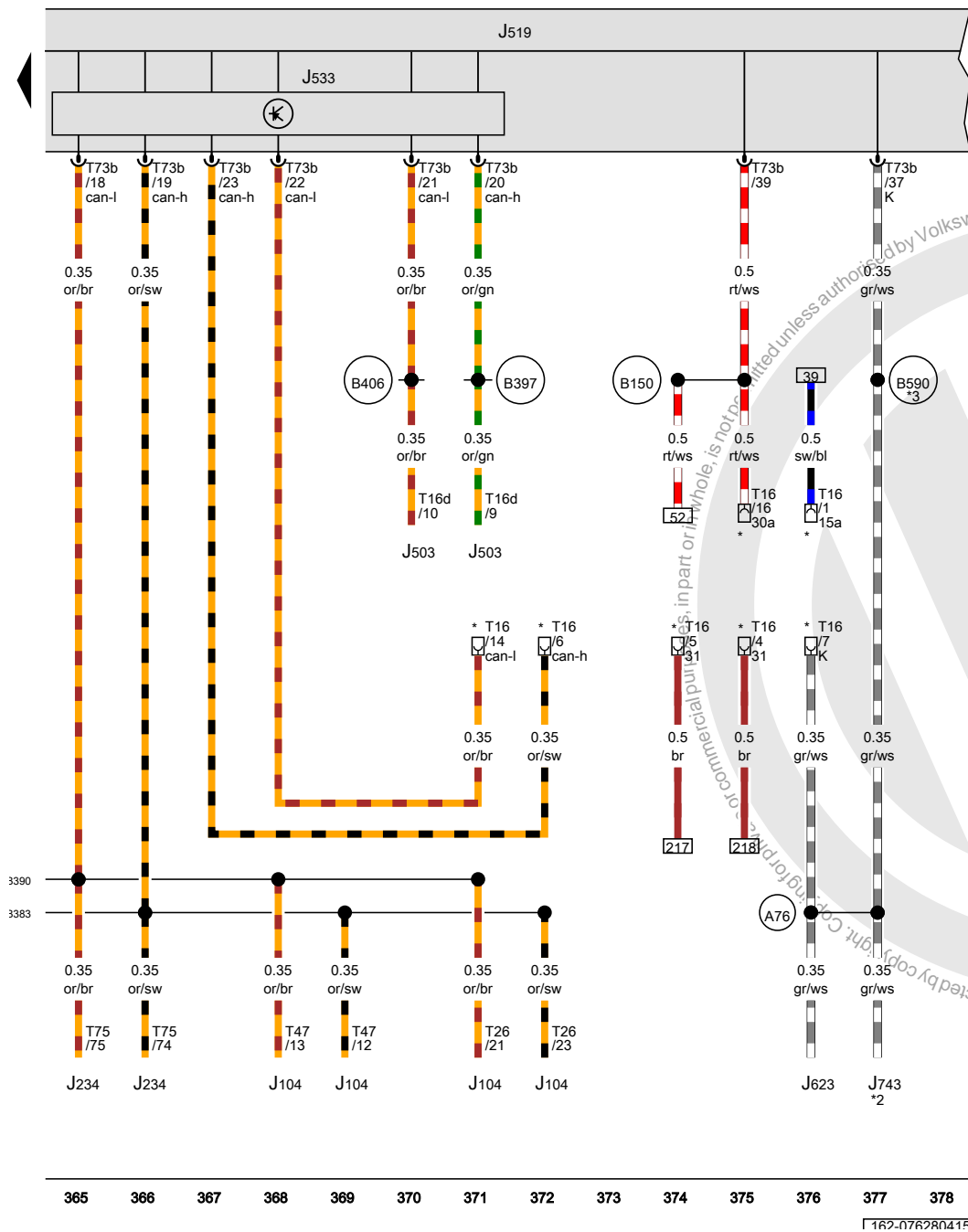
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness



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351 352 353 354 355 356 357 358 359 360 361 362 363 364

162-076270415



Onboard supply control unit

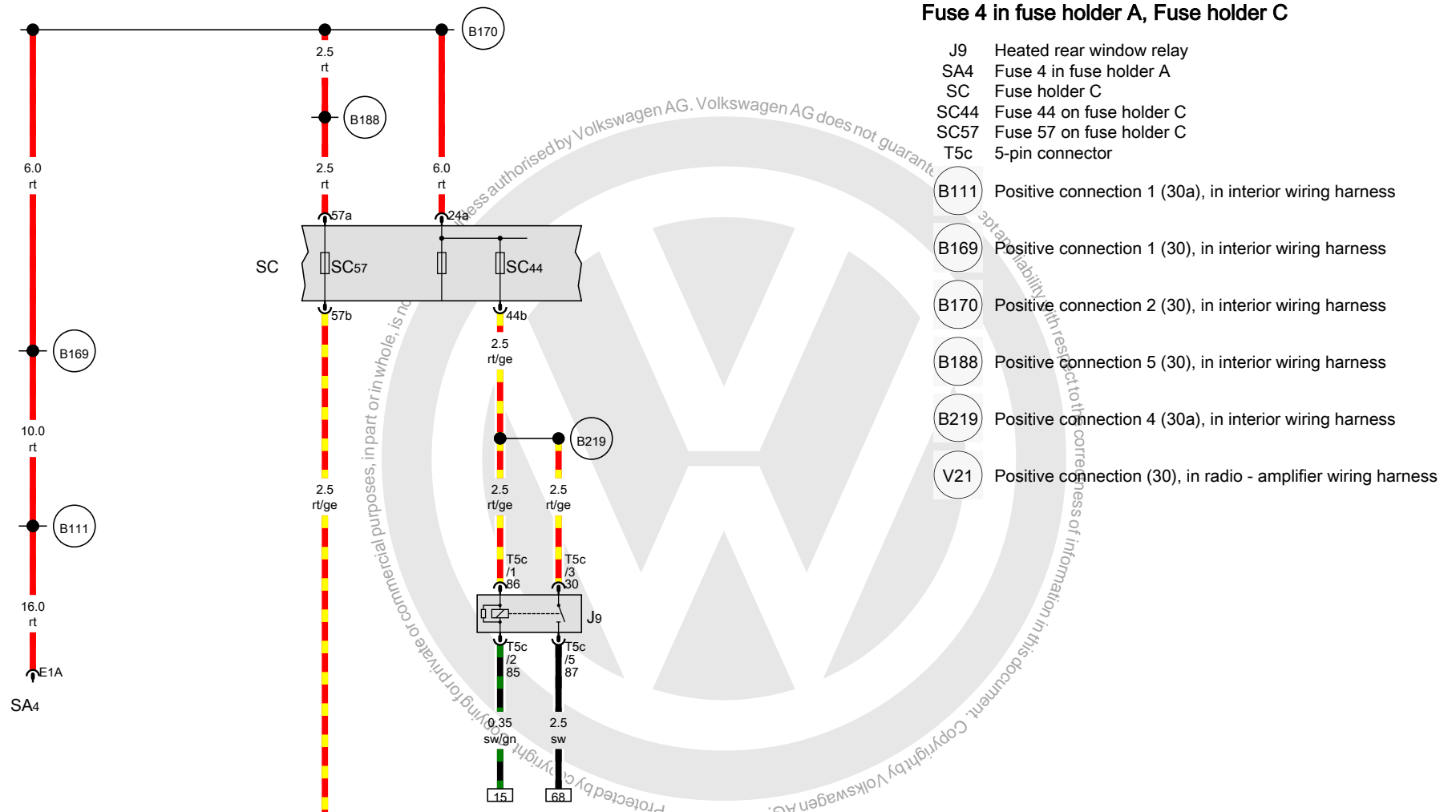
- J104 ABS control unit
- J234 Airbag control unit
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T16d 16-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T73b 73-pin connector
- T75 75-pin connector
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B590 K-diagnosis wire connection, in interior wiring harness
- * Diagnostic connection
- *2 Only models with automatic gearbox
- *3 Up to May 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- li = purple
- vi = purple
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- or = orange
- rs = pink

Radio system , (8UP)

From January 2011





Fuse 4 in fuse holder A, Fuse holder C

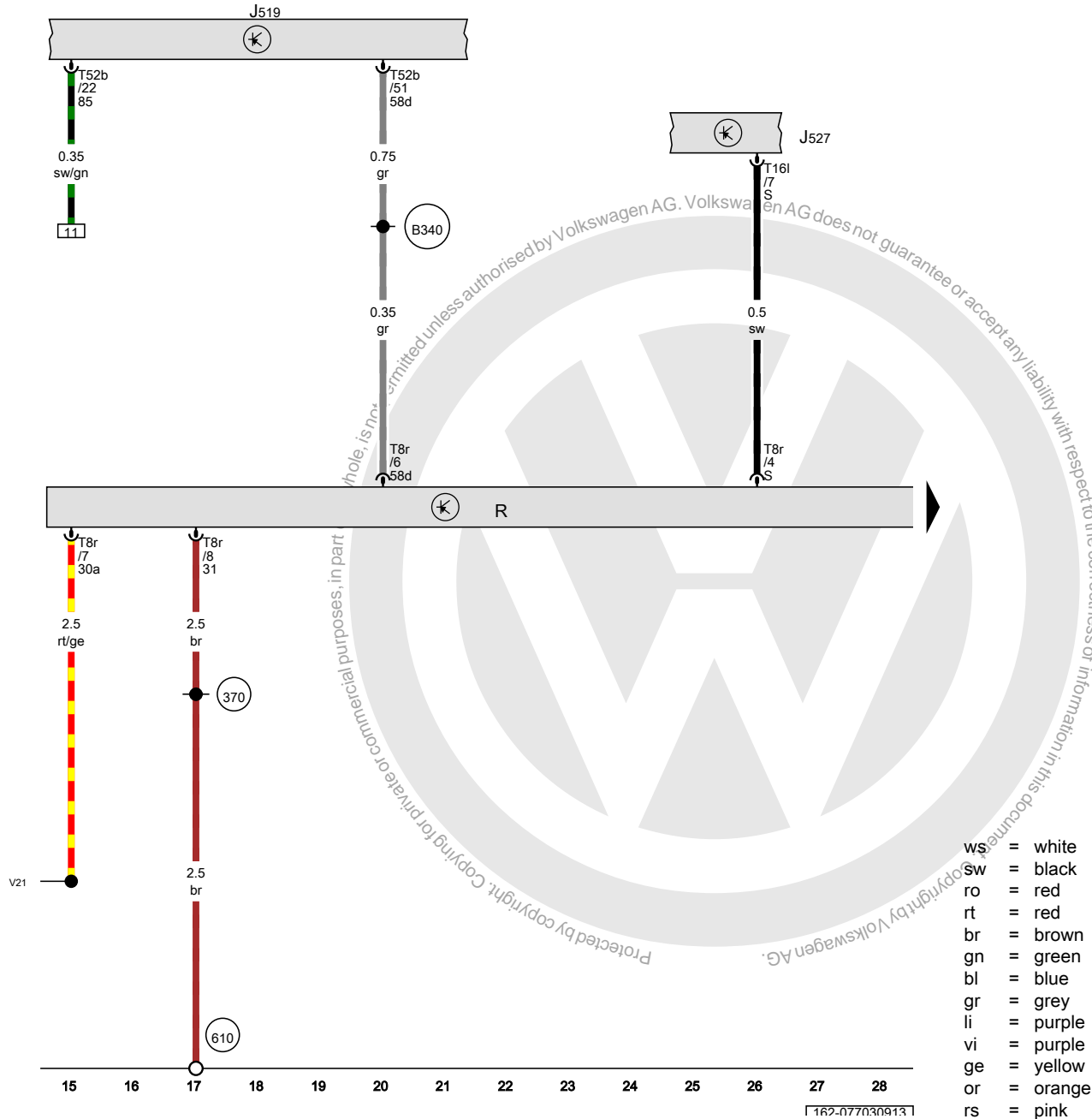
- J9 Heated rear window relay
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T5c 5-pin connector
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B188 Positive connection 5 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness

- ws = white
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- ro = red
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- bl = blue
- gr = grey
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Onboard supply control unit, Steering column electronics control unit, Radio

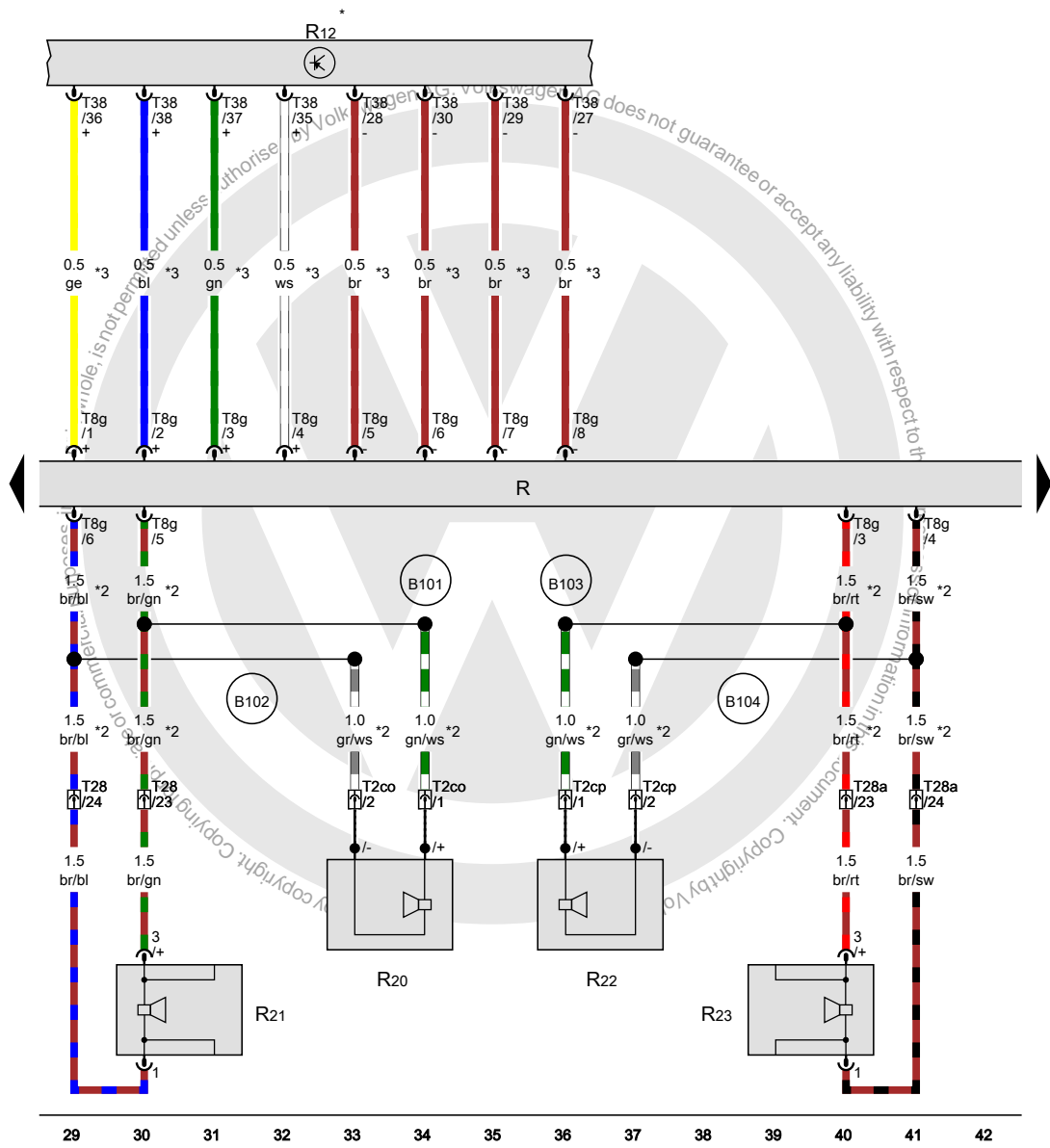
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- R Radio
- T8r 8-pin connector
- T16l 16-pin connector
- T52b 52-pin connector

- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- B340 Connection 1 (58d), in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness



[162-077030913]

Radio, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker



- R Radio
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T2co 2-pin connector, Interface for front loudspeaker, on left in dash panel
- T2cp 2-pin connector, Interface for front loudspeaker, on right in dash panel
- T8g 8-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T38 38-pin connector

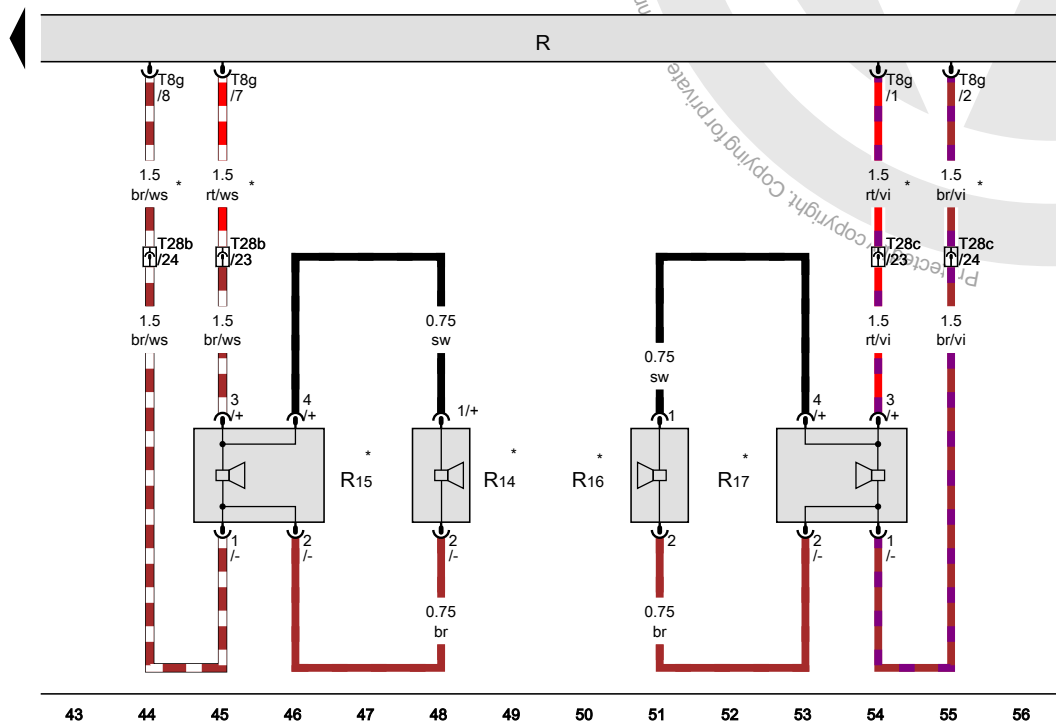
- (B101) Connection (positive, front left speaker), in main wiring harness
- (B102) Connection (negative, front left speaker), in main wiring harness
- (B103) Connection (positive, front right speaker), in main wiring harness
- (B104) Connection (negative, front right speaker), in main wiring harness

* see applicable current flow diagram for sound system
 *2 Only models with no sound system
 *3 Only models with sound system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radio, Rear left treble loudspeaker, Rear left bass loudspeaker, Rear right treble loudspeaker, Rear right bass loudspeaker

- R Radio
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- T8g 8-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

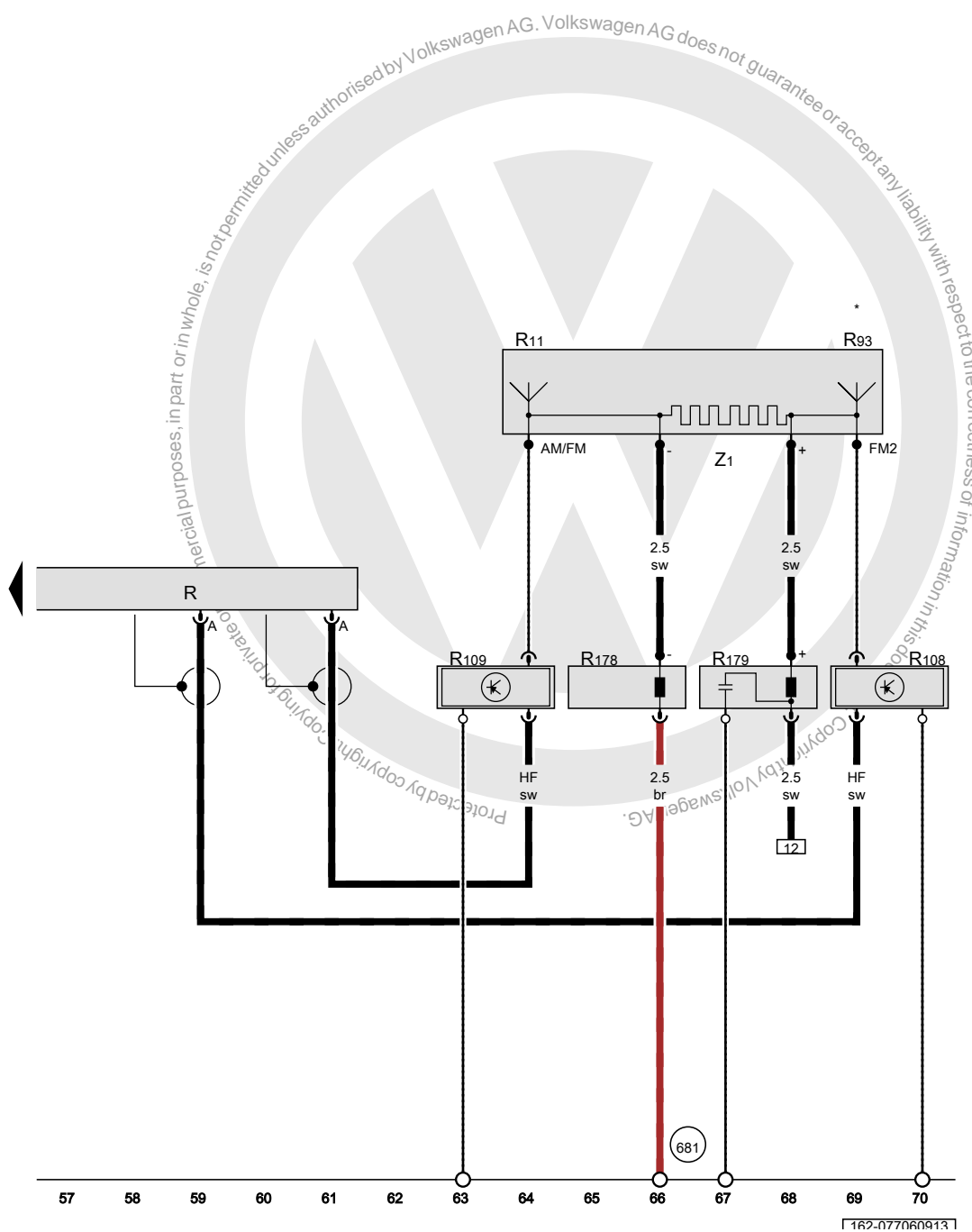
162-077050913

Radio, Aerial, Radio aerial 2, Left aerial module, Right aerial module, Heated rear window

- R Radio
- R11 Aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- Z1 Heated rear window

681 Earth point 1, in rear right side panel

* According to equipment



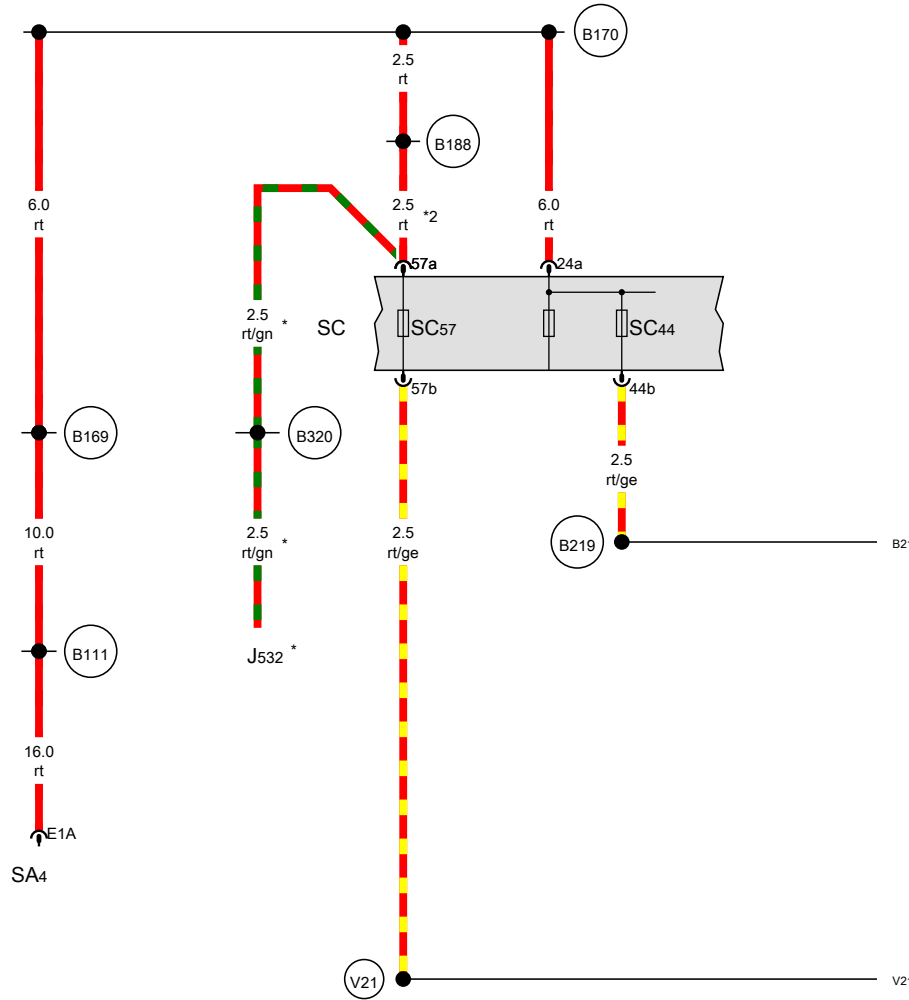
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-077060913

Radio system , (8DM),(8UY)

From January 2011





Fuse 4 in fuse holder A, Fuse holder C

- J532 Voltage stabiliser
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C

B111 Positive connection 1 (30a), in interior wiring harness

B169 Positive connection 1 (30), in interior wiring harness

B170 Positive connection 2 (30), in interior wiring harness

B188 Positive connection 5 (30), in interior wiring harness

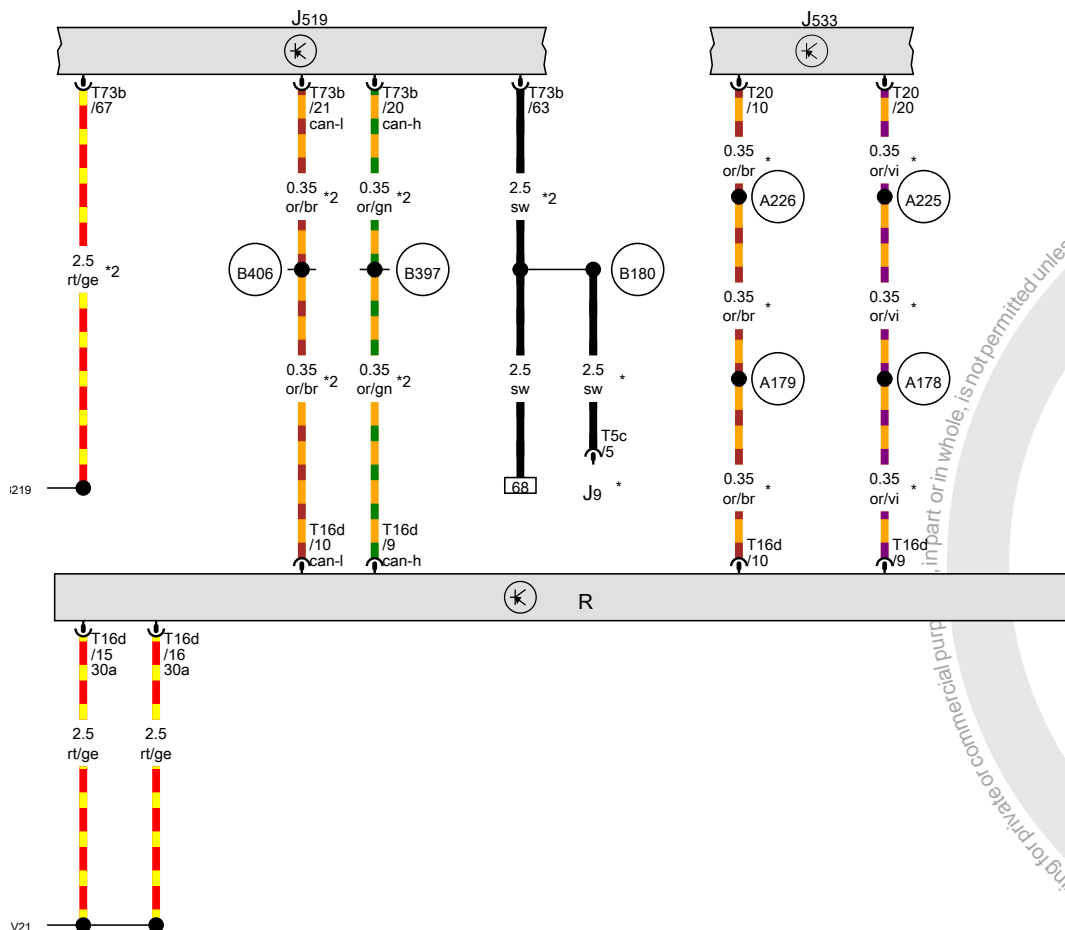
B219 Positive connection 4 (30a), in interior wiring harness

B320 Positive connection 6 (30a) in main wiring harness

V21 Positive connection (30), in radio - amplifier wiring harness

- * Only models with stop/start system
- *2 Only models with no start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Data bus diagnostic interface, Radio

- J9 Heated rear window relay
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R Radio
- T5c 5-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T73b 73-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

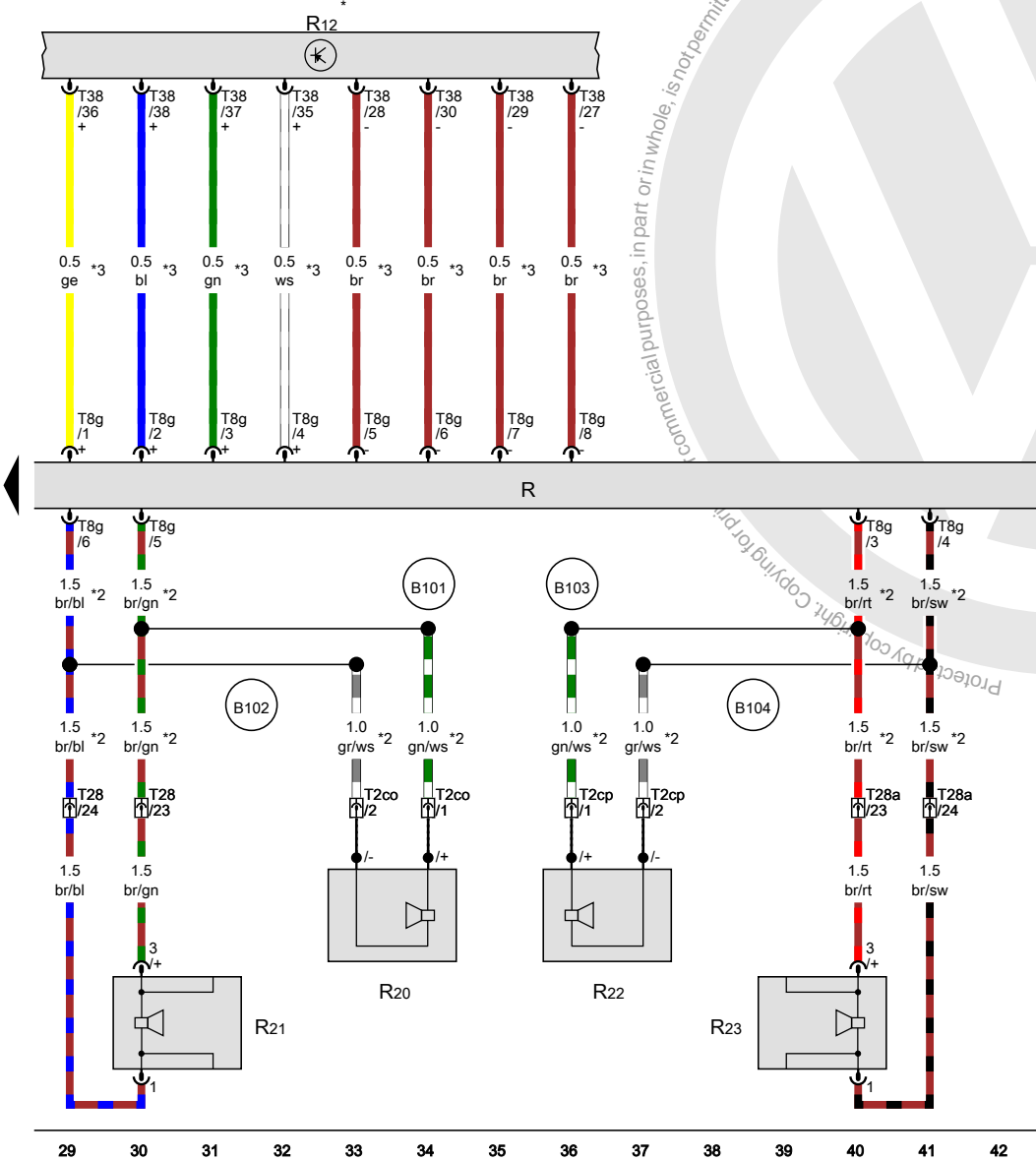
[162-078030913]

Radio, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- R Radio
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R23 Front right bass loudspeaker
- T2co 2-pin connector, Interface for front loudspeaker, on left in dash panel
- T2cp 2-pin connector, Interface for front loudspeaker, on right in dash panel
- T8g 8-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T38 38-pin connector

- B101 Connection (positive, front left speaker), in main wiring harness
- B102 Connection (negative, front left speaker), in main wiring harness
- B103 Connection (positive, front right speaker), in main wiring harness
- B104 Connection (negative, front right speaker), in main wiring harness

* see applicable current flow diagram for sound system
 *2 Only models with no sound system
 *3 Only models with sound system

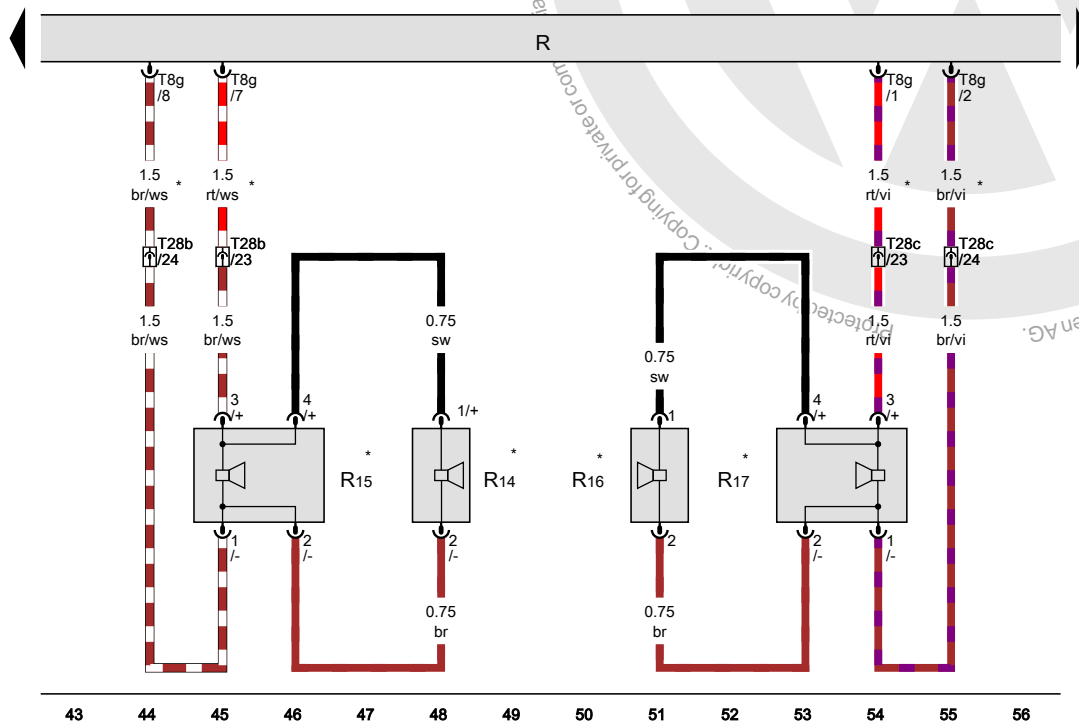


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-078040913

Radio, Rear left treble loudspeaker, Rear left bass loudspeaker, Rear right treble loudspeaker, Rear right bass loudspeaker

- R Radio
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- T8g 8-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

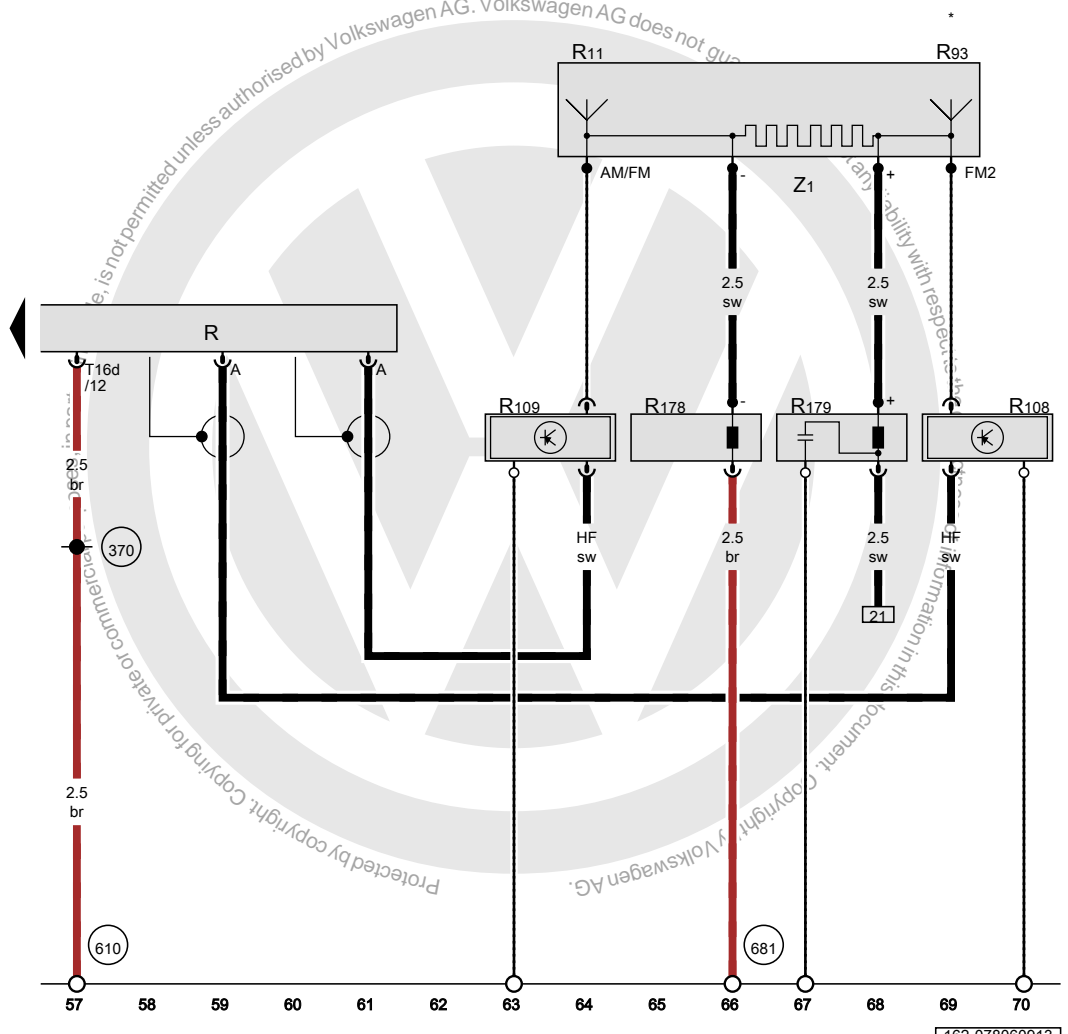
162-078050913

Radio, Aerial, Radio aerial 2, Left aerial module, Right aerial module, Heated rear window

- R Radio
- R11 Aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T16d 16-pin connector
- Z1 Heated rear window

- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- 681 Earth point 1, in rear right side panel

* According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-078060913]

Radio navigation system RNS 510 , (7T6),(7UL)

From January 2011

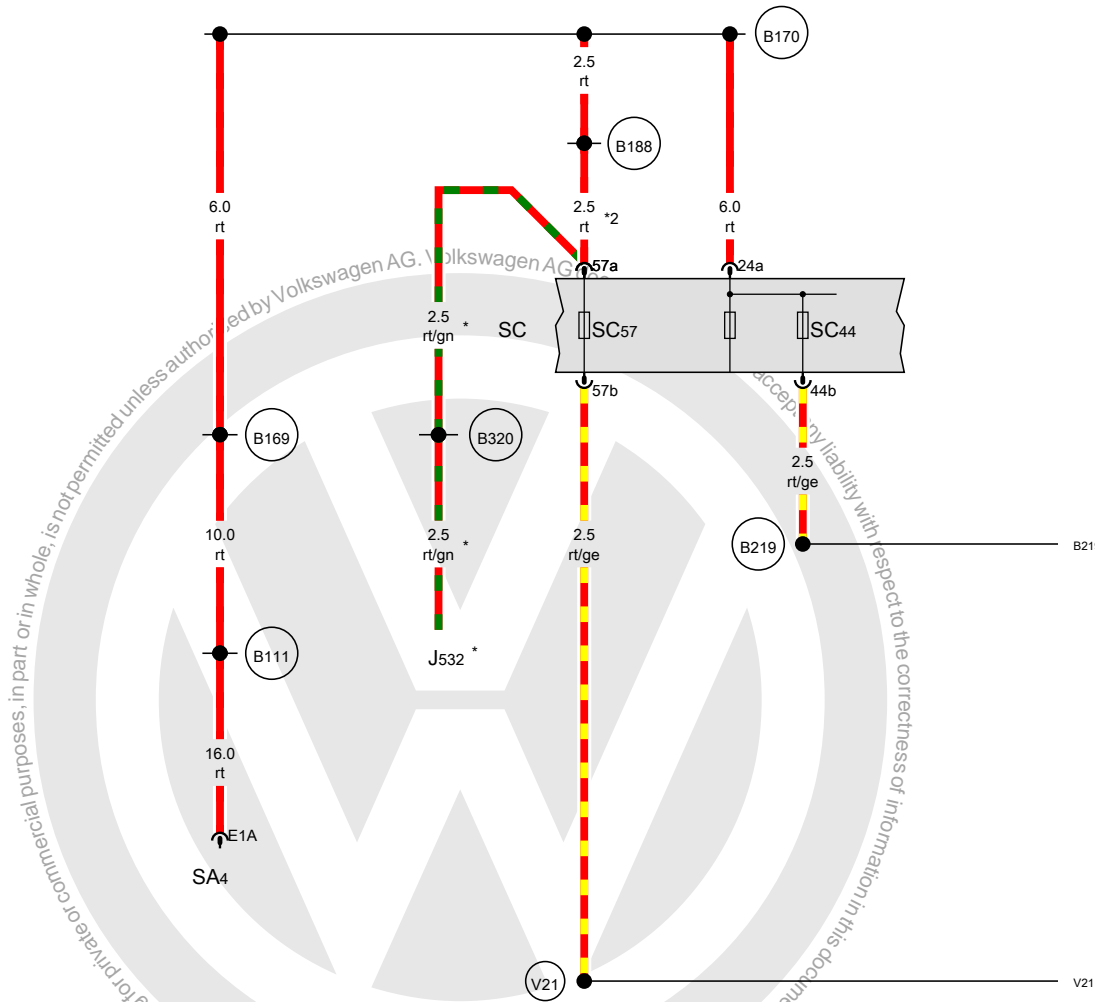


Fuse 4 in fuse holder A, Fuse holder C

- J532 Voltage stabiliser
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C

- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B188 Positive connection 5 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness

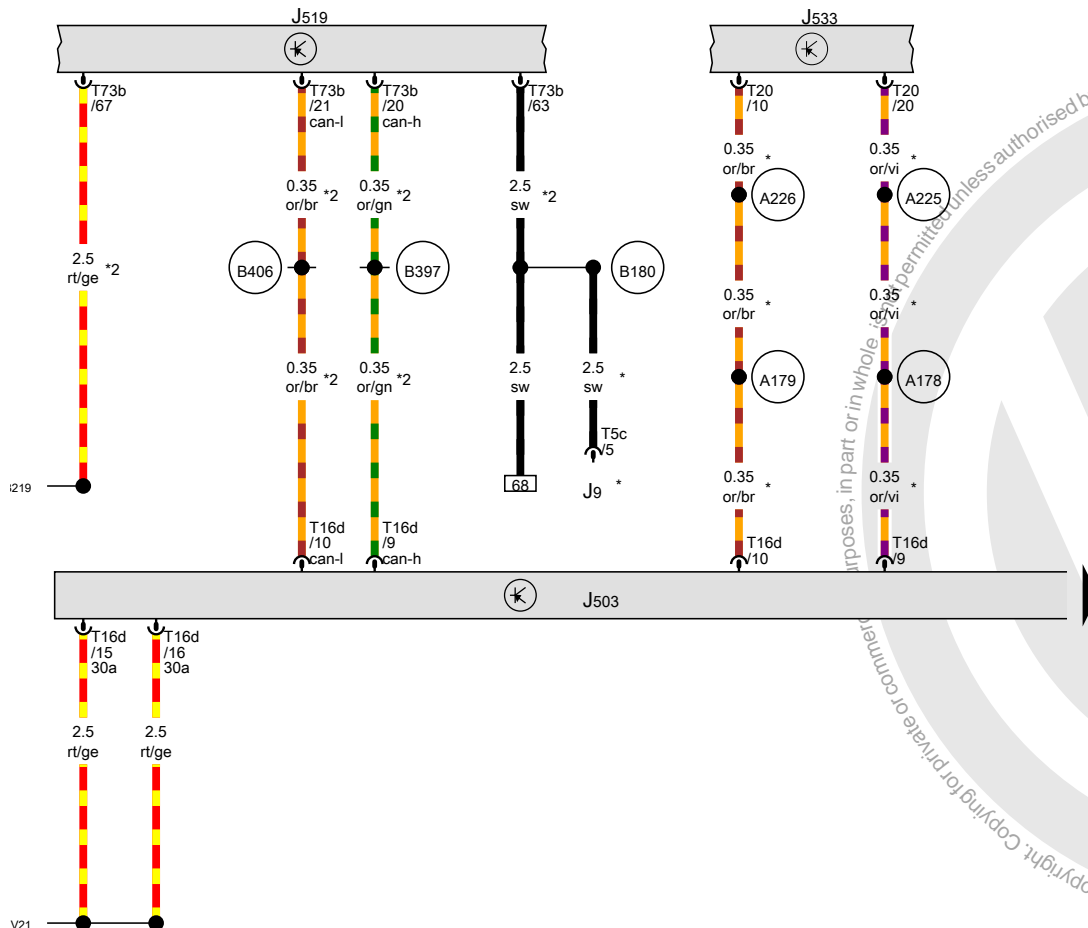
* Only models with stop/start system
 *2 Only models with no start/stop system



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- gr = grey
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- or = orange
- rs = pink

Control unit with display for radio and navigation, Onboard supply control unit, Data bus diagnostic interface



- J9 Heated rear window relay
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T5c 5-pin connector
- T16d 16-pin connector
- T20 20-pin connector
- T73b 73-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness
- A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-079031214

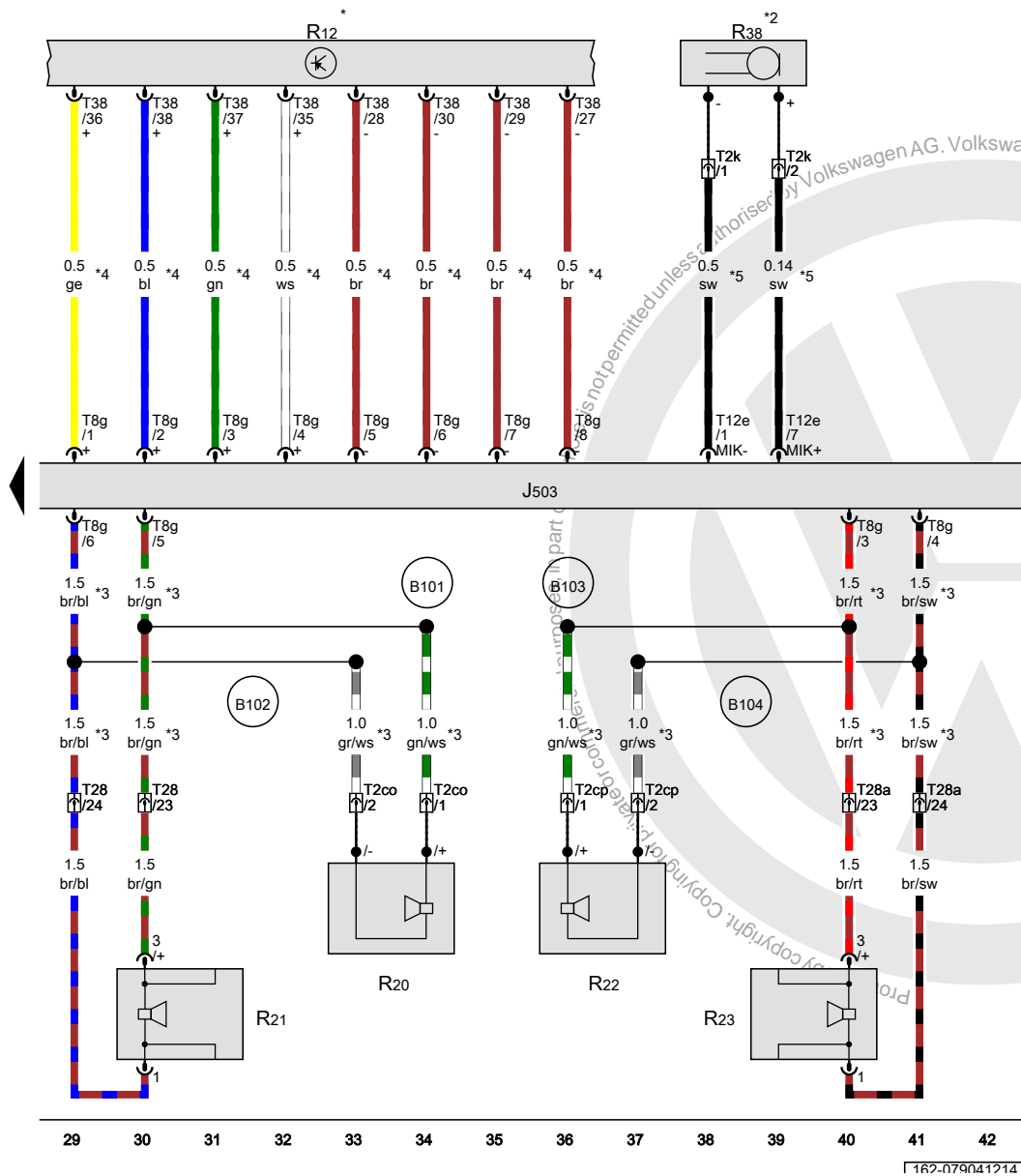
Control unit with display for radio and navigation, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R38 Telephone microphone
- T2co 2-pin connector, Interface for front loudspeaker, on left in dash panel
- T2cp 2-pin connector, Interface for front loudspeaker, on right in dash panel
- T2k 2-pin connector
- T8g 8-pin connector
- T12e 12-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T38 38-pin connector

- (B101) Connection (positive, front left speaker), in main wiring harness
- (B102) Connection (negative, front left speaker), in main wiring harness
- (B103) Connection (positive, front right speaker), in main wiring harness
- (B104) Connection (negative, front right speaker), in main wiring harness

- * see applicable current flow diagram for sound system
- *2 see applicable current flow diagram for telephone systems
- *3 Only models with no sound system
- *4 Only models with sound system
- *5 According to equipment

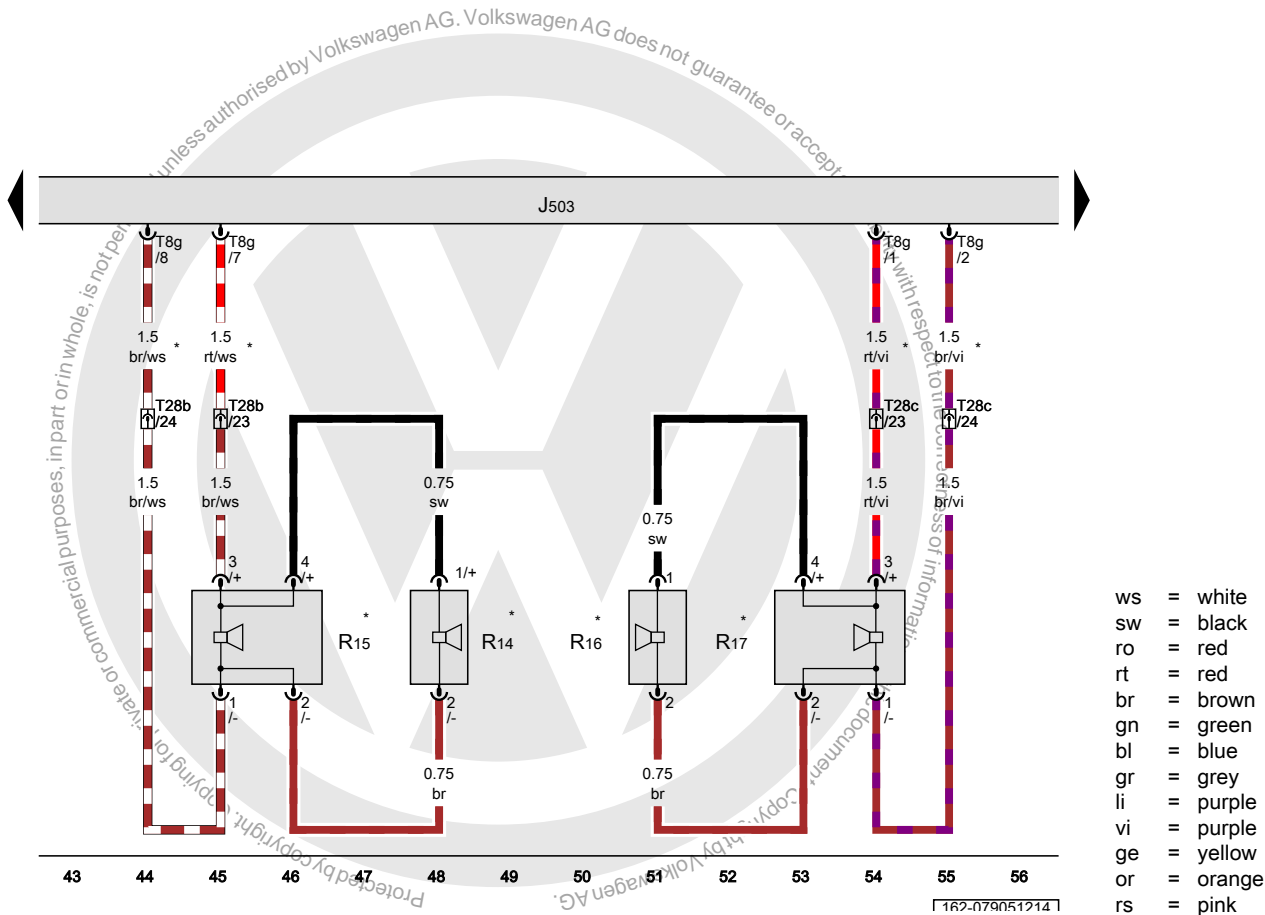
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-079041214

Control unit with display for radio and navigation, Rear left treble loudspeaker, Rear left bass loudspeaker, Rear right treble loudspeaker, Rear right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- T8g 8-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- * According to equipment



Control unit with display for radio and navigation, Roof aerial, Aerial, GPS aerial, Radio aerial 2, Left aerial module, Right aerial module, Heated rear window

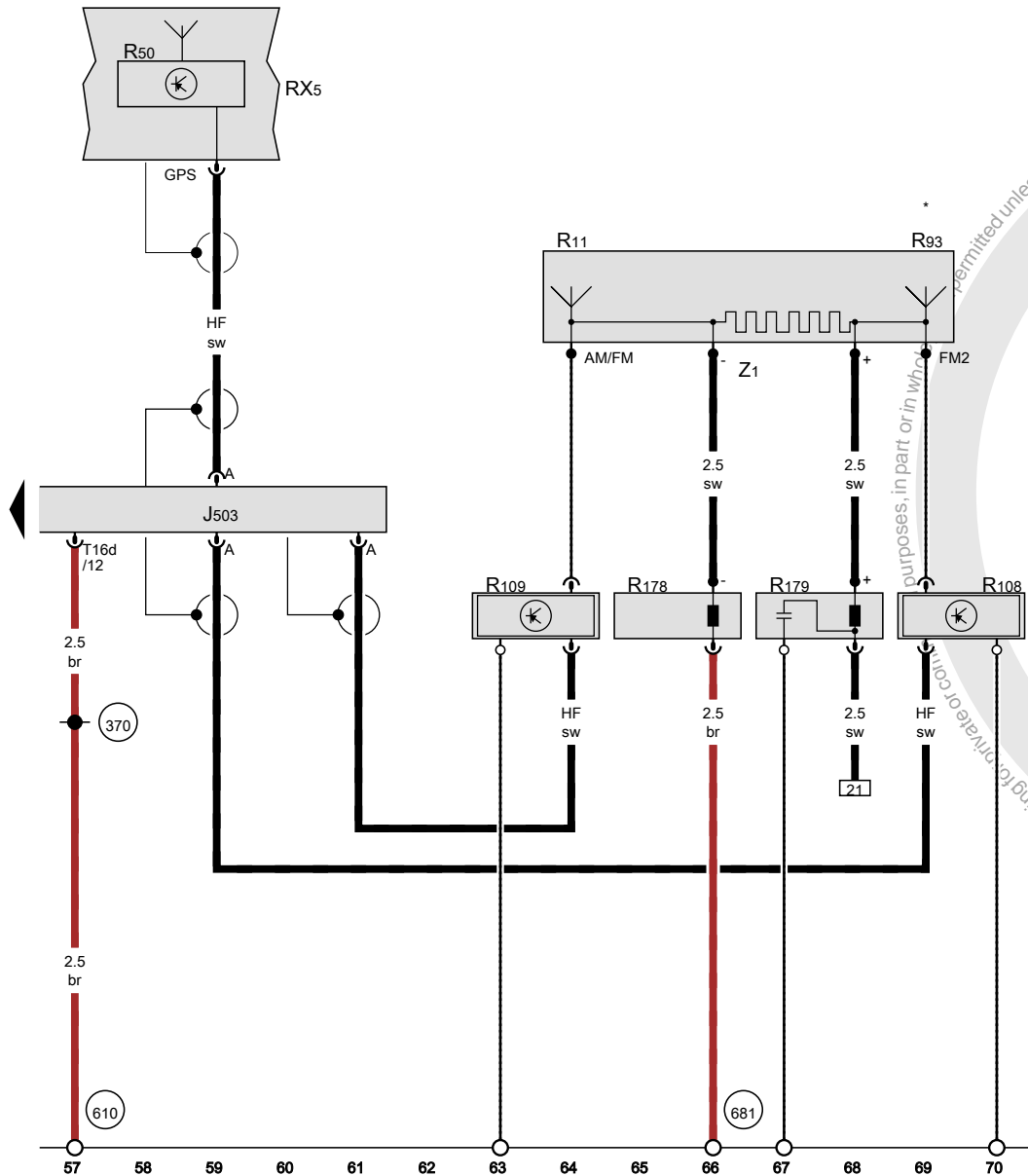
- J503 Control unit with display for radio and navigation
- RX5 Roof aerial
- R11 Aerial
- R50 GPS aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- T16d 16-pin connector
- Z1 Heated rear window

370 Earth connection 5, in main wiring harness

610 Earth point (audio), front below centre console

681 Earth point 1, in rear right side panel

* According to equipment

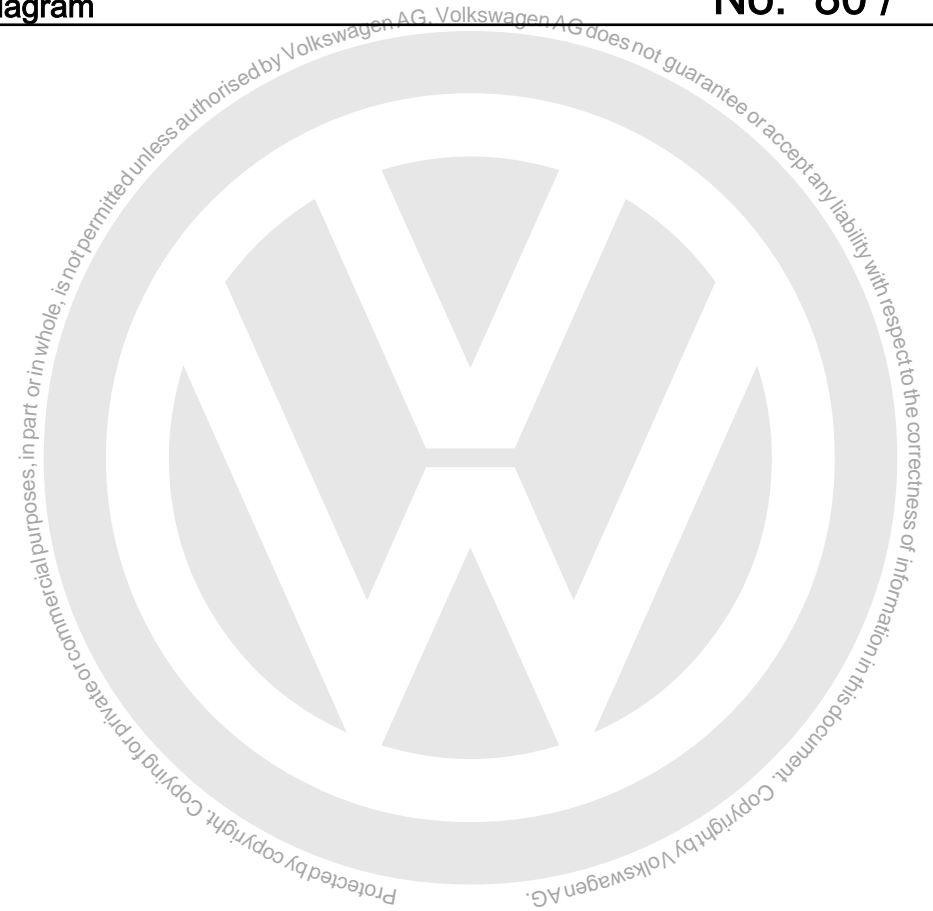


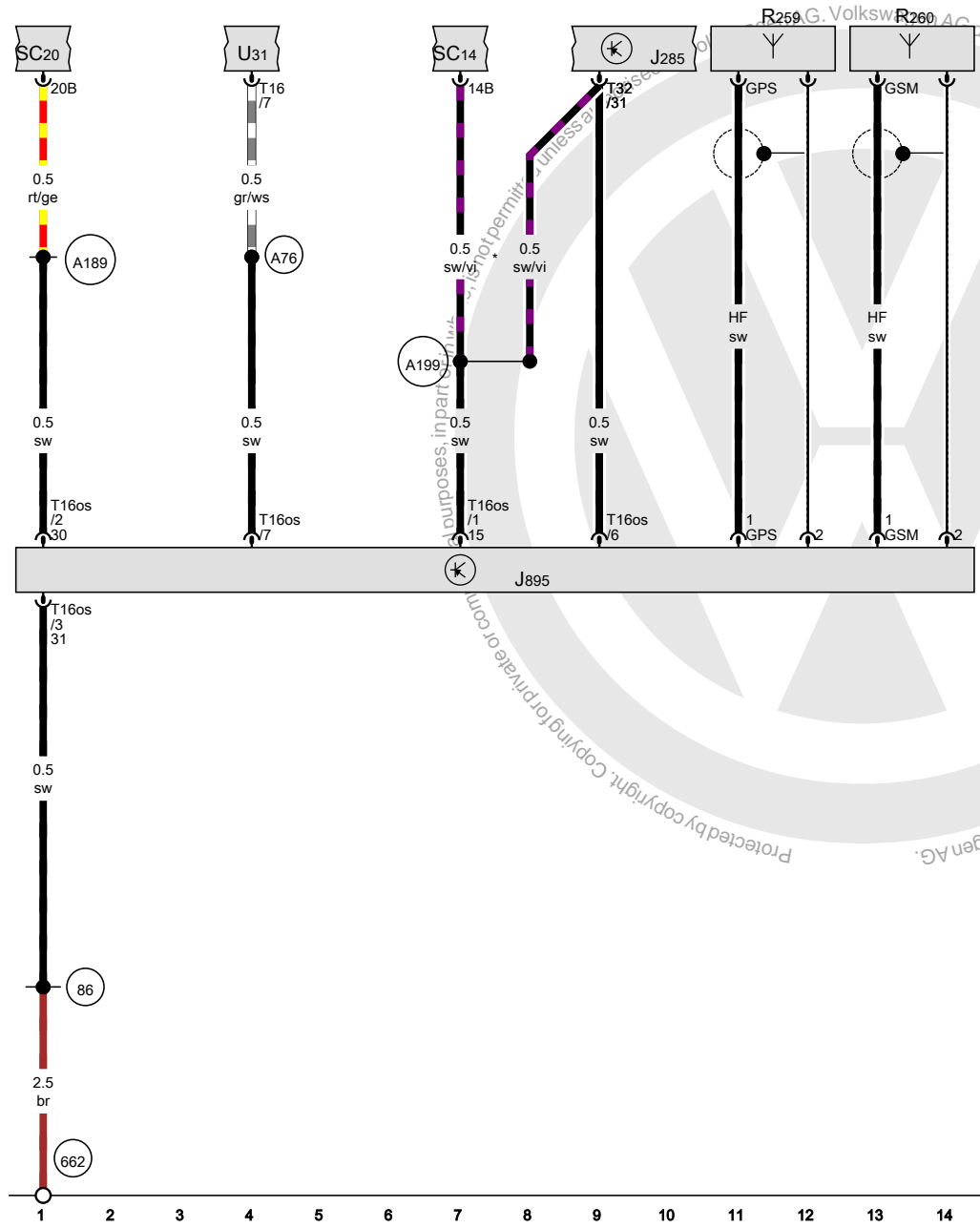
- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-079061214

Vehicle location system , (711)

From January 2011





Control unit in dash panel insert, Control unit for vehicle location system, Fuse 14 on fuse holder C, Fuse 20 on fuse holder C

- J285 Control unit in dash panel insert
- J895 Control unit for vehicle location system
- R259 Vehicle location system aerial 1
- R260 Vehicle location system aerial 2
- SC14 Fuse 14 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T16 16-pin connector
- T16os 16-pin connector
- T32 32-pin connector
- U31 Diagnostic connection

- 86 Earth connection 1, in rear wiring harness
- 662 Earth point, rear left side panel
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness

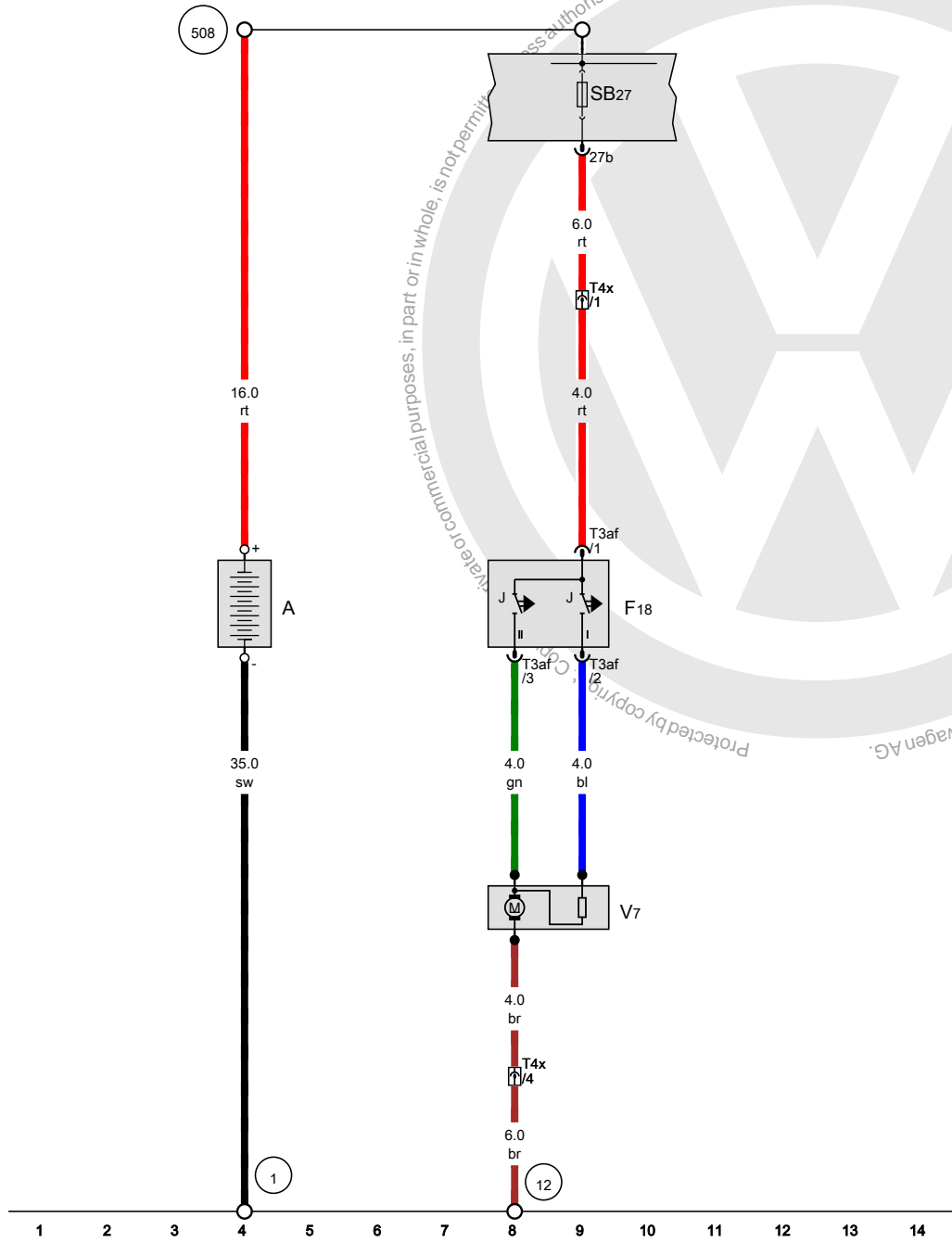
* According to equipment

- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radiator fan with no air conditioning system , (9AA)

From April 2010





Radiator fan thermal switch, Fuse 27 on fuse holder B, Radiator fan

- A Battery
- F18 Radiator fan thermal switch
- SB27 Fuse 27 on fuse holder B
- T3af 3-pin connector
- T4x 4-pin connector
- V7 Radiator fan

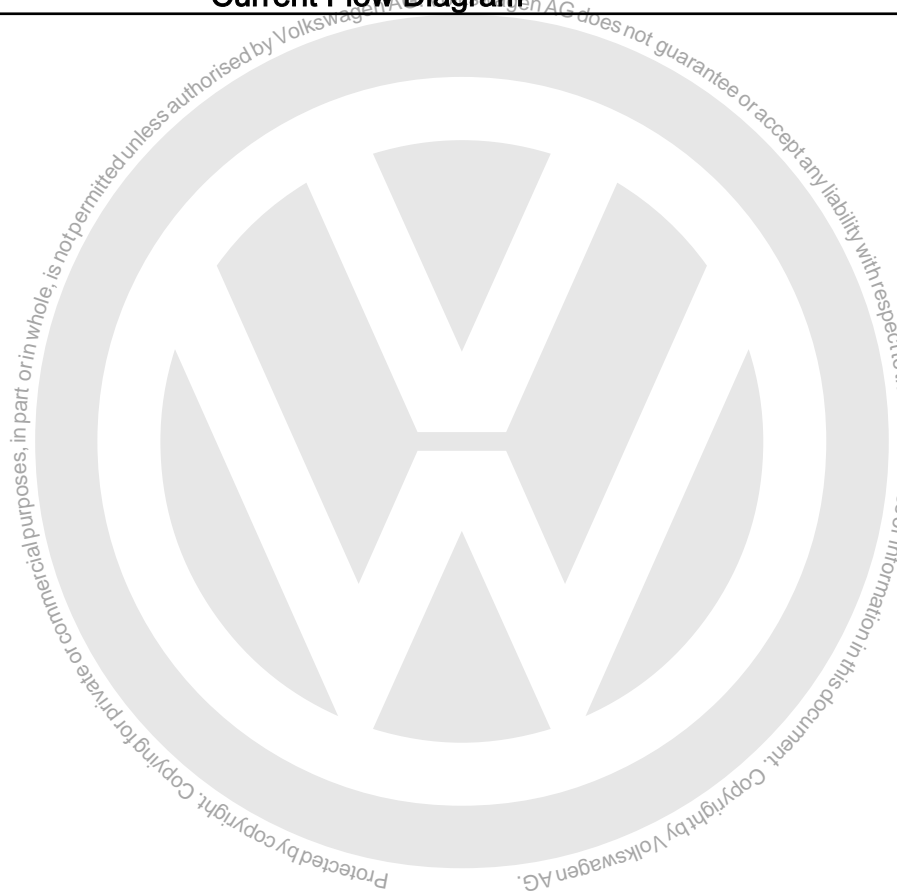
- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-081020415

1.6l petrol engine , CFNA,CFNB,CLRA

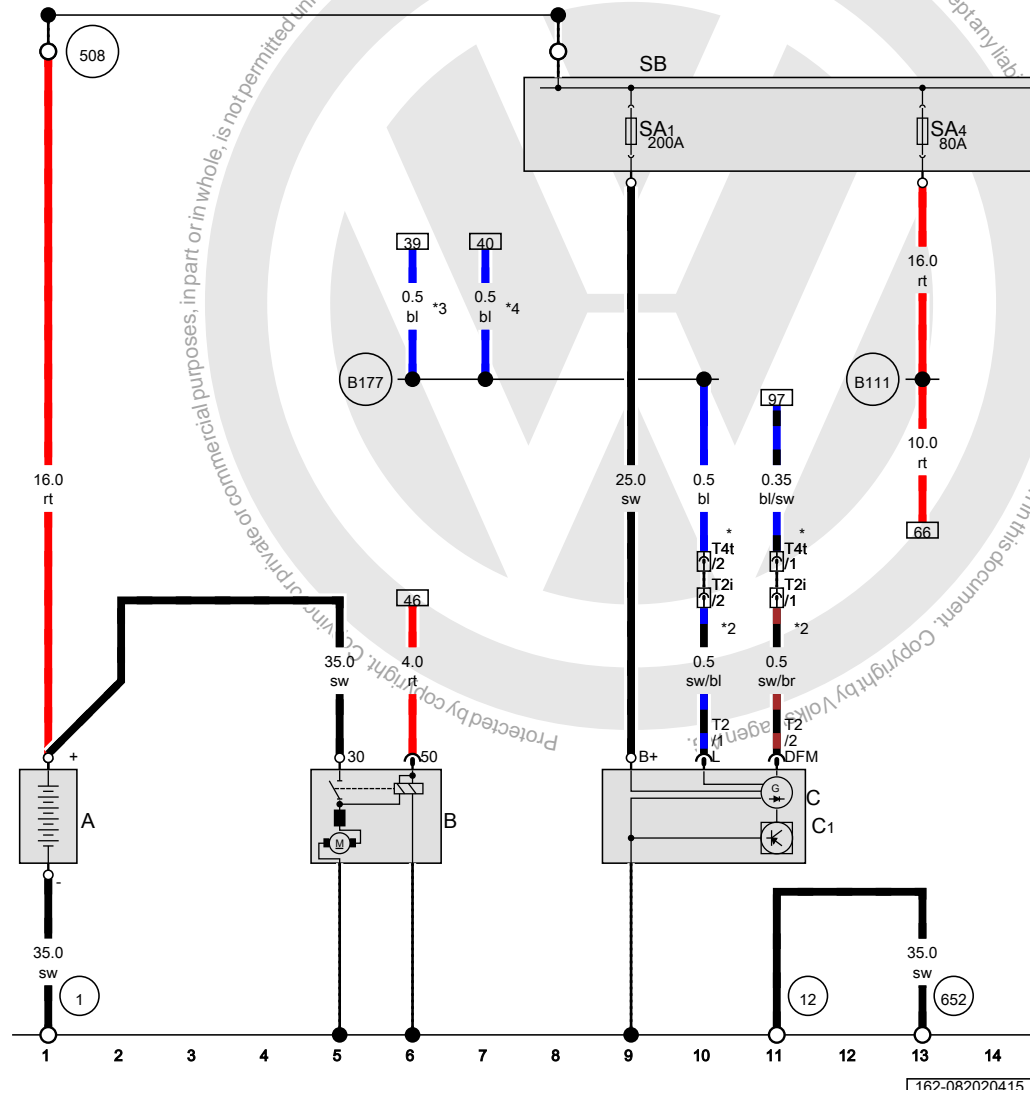
From September 2011



Battery, Starter, Alternator, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 Only models with "High" equipment (AW1)
- *4 Only models with "Low" equipment (AW0)

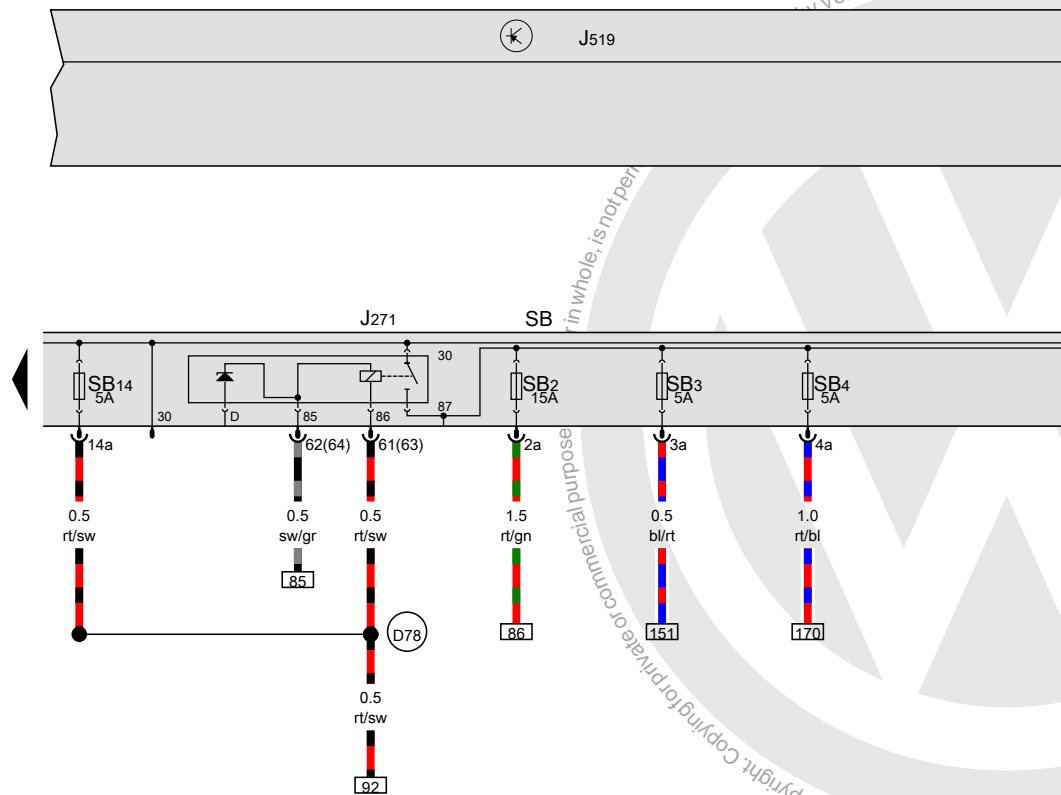


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-082020415

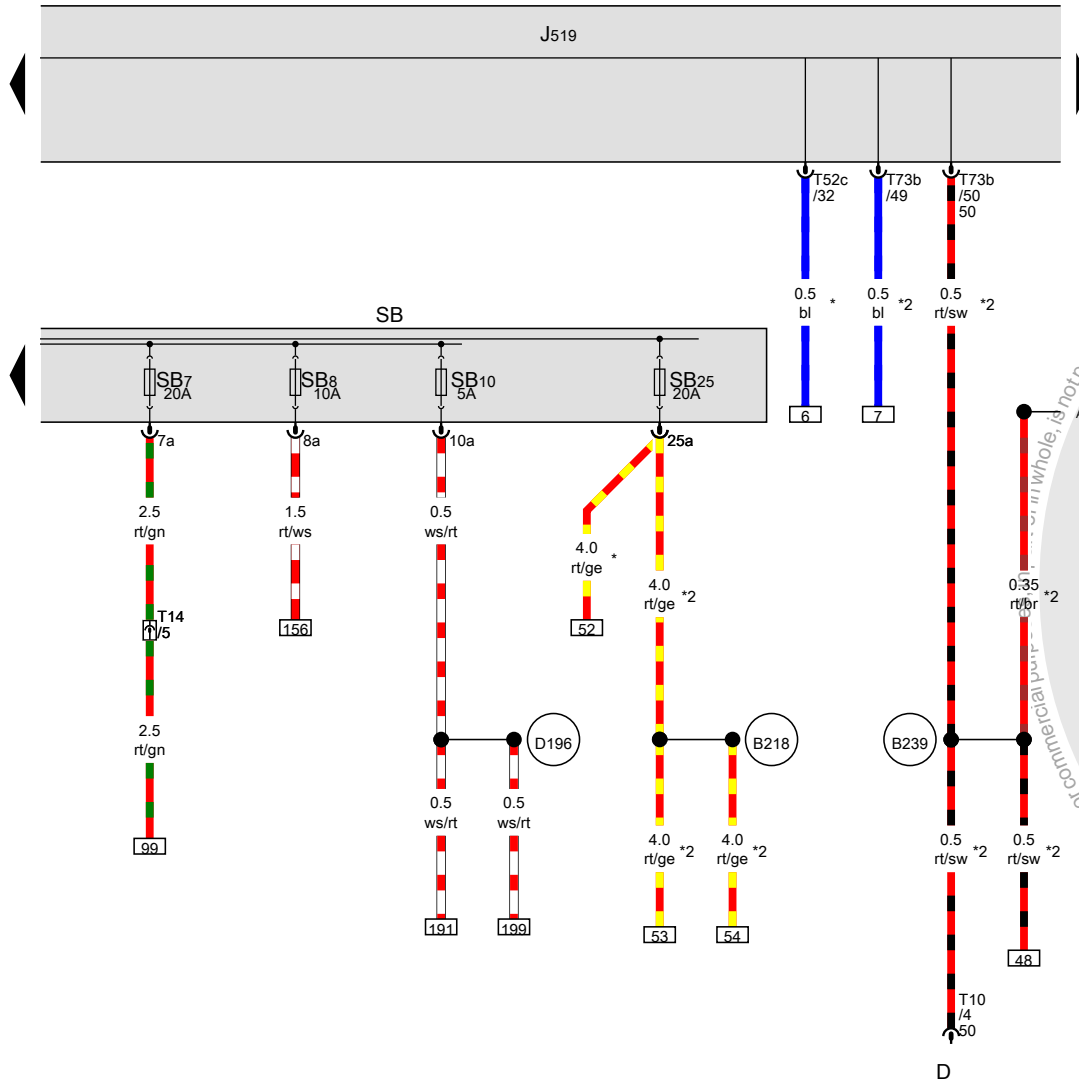
Main relay, Onboard supply control unit, Fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- D78 Positive connection 1 (30a), in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Fuse holder B

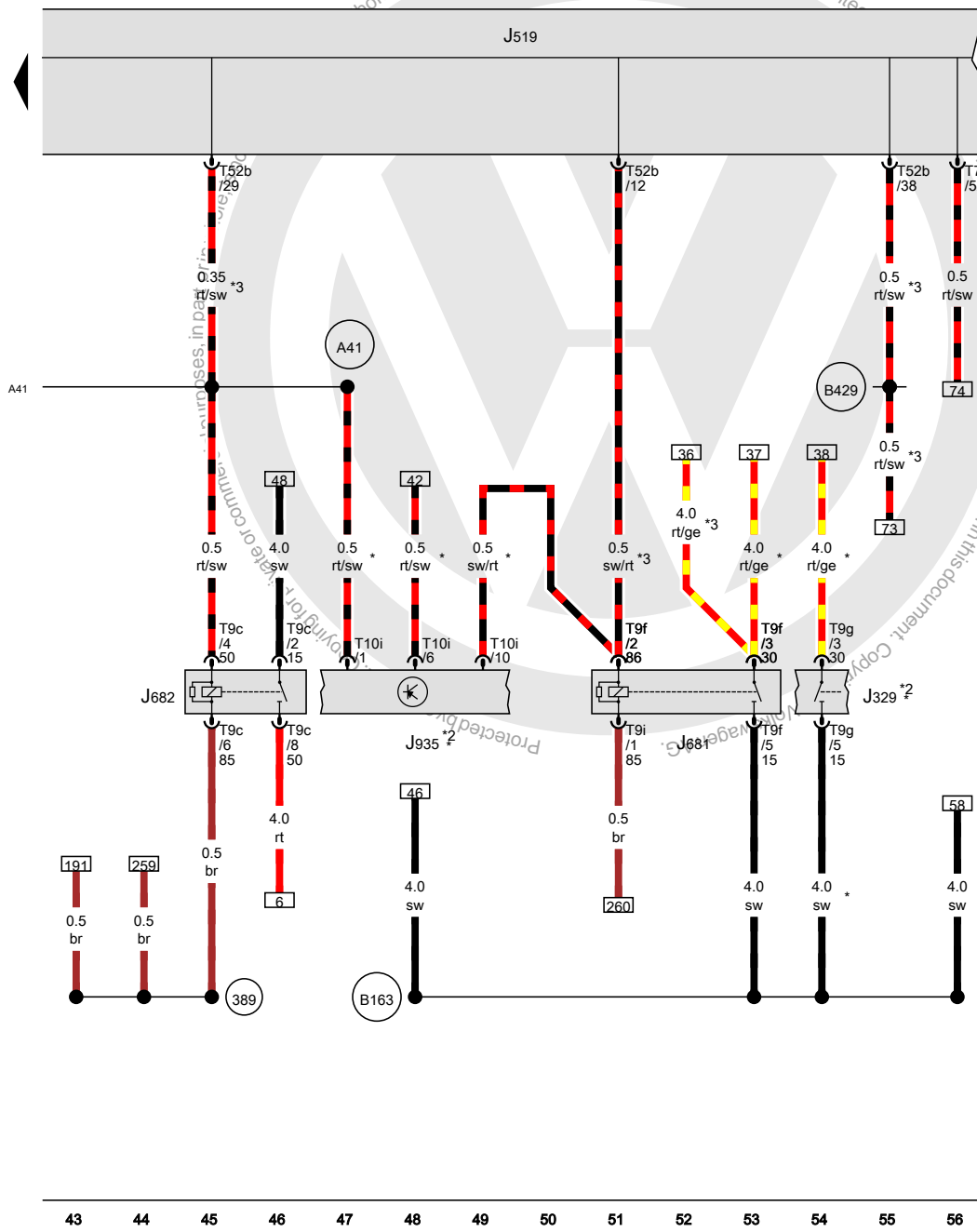


- D Ignition/starter switch
- J519 Onboard supply control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T10 10-pin connector
- T14 14-pin connector, near battery
- T52c 52-pin connector
- T73b 73-pin connector

- (A41) Positive connection (50), in dash panel wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B239) Positive connection 1 (50), in interior wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness

- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

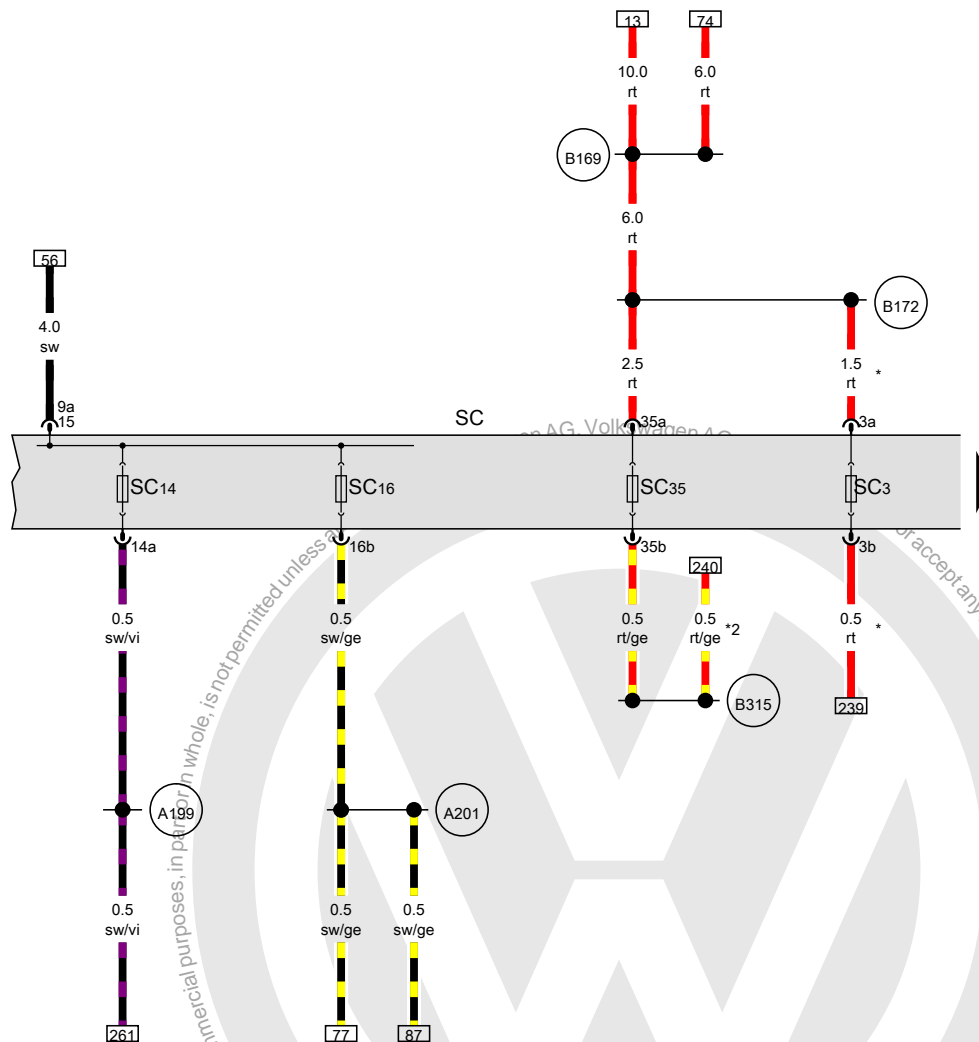
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- J935 Converter box
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9i 9-pin connector
- T10i 10-pin connector
- T52b 52-pin connector
- T73a 73-pin connector
- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B429 Connection (EFPR), in main wiring harness
- * Only models with "Low" equipment (AW0)
- *2 see applicable current flow diagram for basic equipment
- *3 Only models with "High" equipment (AW1)

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

162-082050415

Fuse holder C

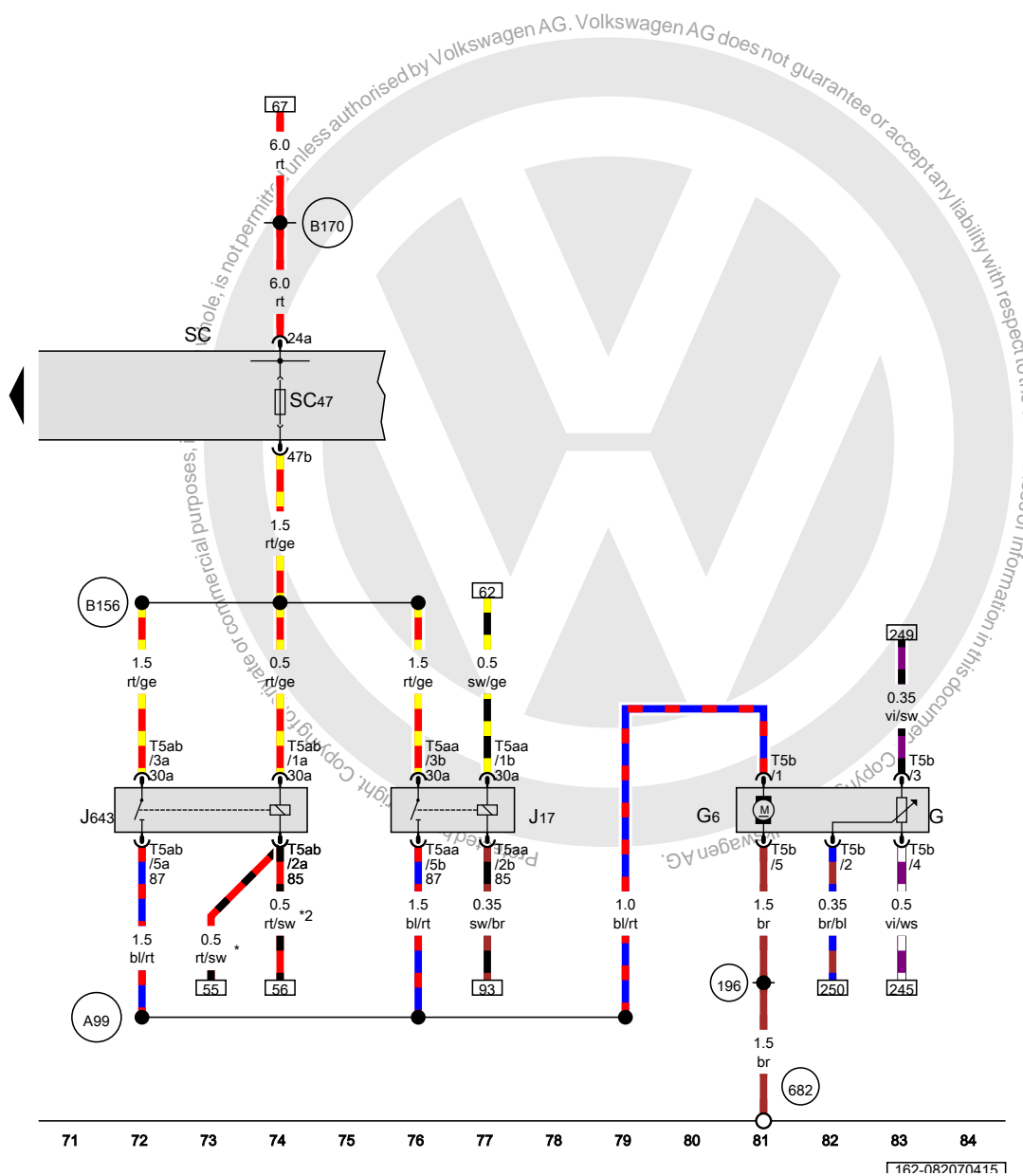
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * gradual introduction
- *2 Gradually discontinued



Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuel supply relay, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J643 Fuel supply relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)



- ws = white
- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

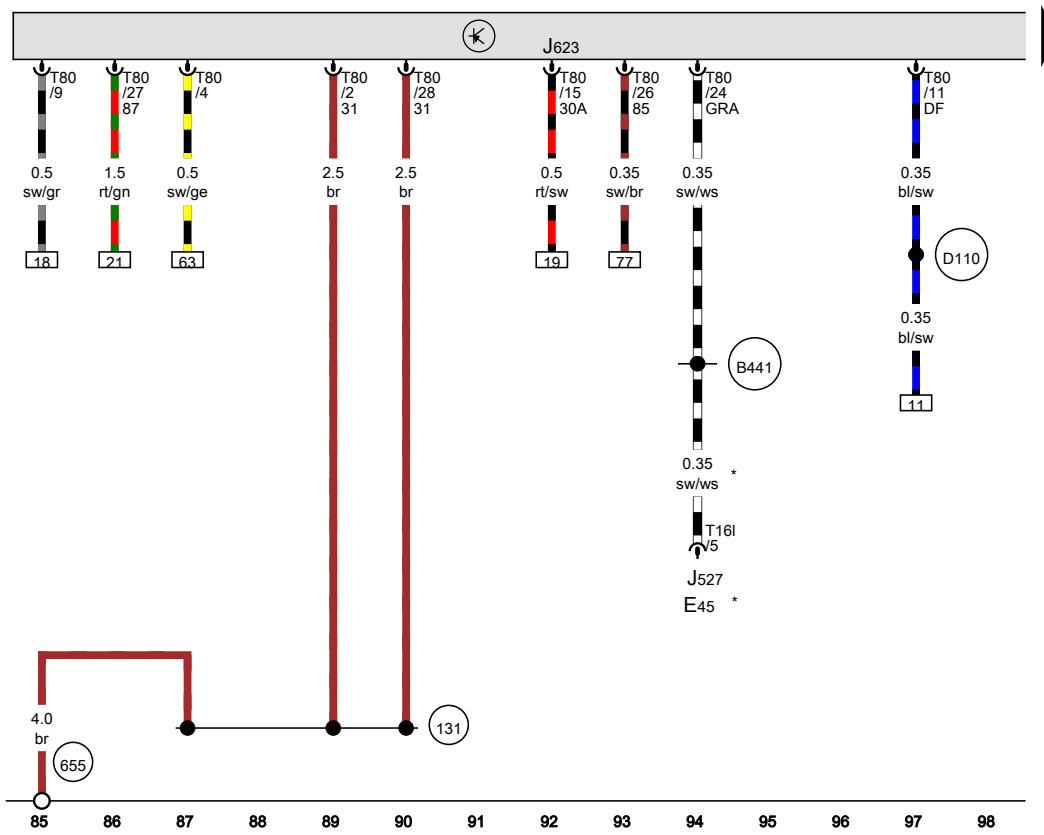
162-082070415

Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- T161 16-pin connector
- T80 80-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness

* Only models with cruise control system (CCS)



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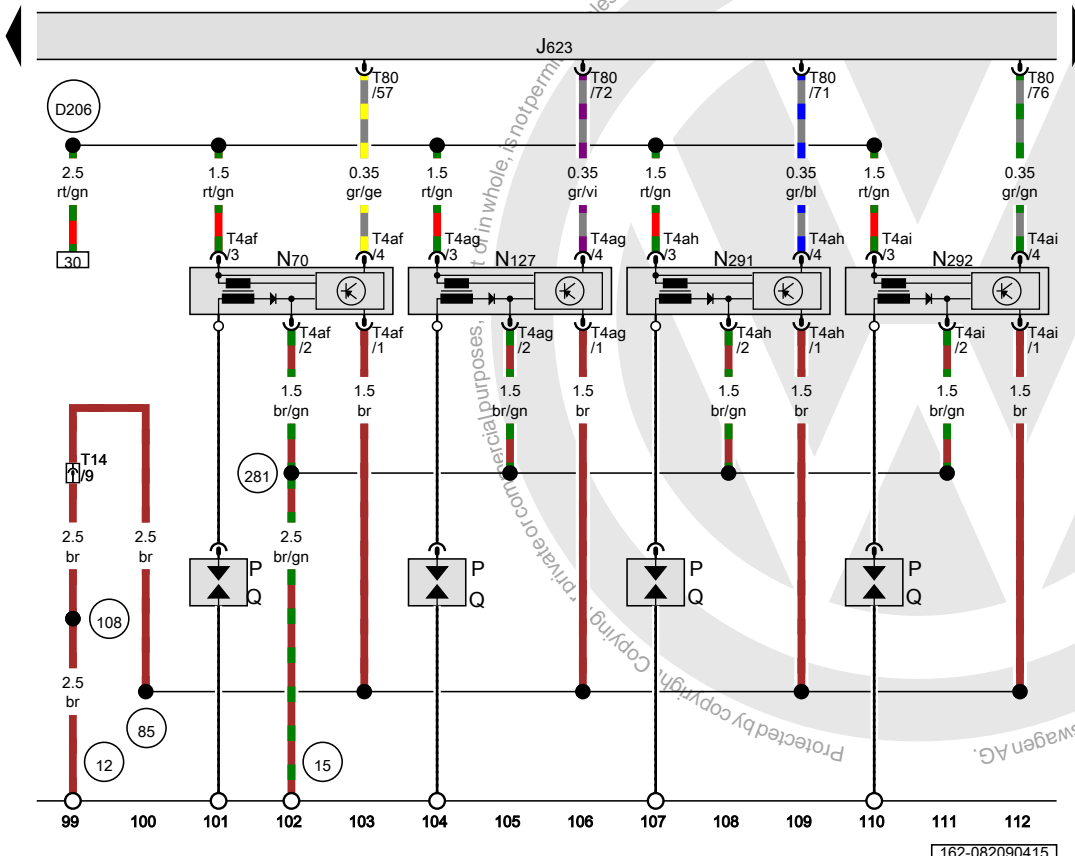
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

162-082080415

Engine control unit, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T80 80-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

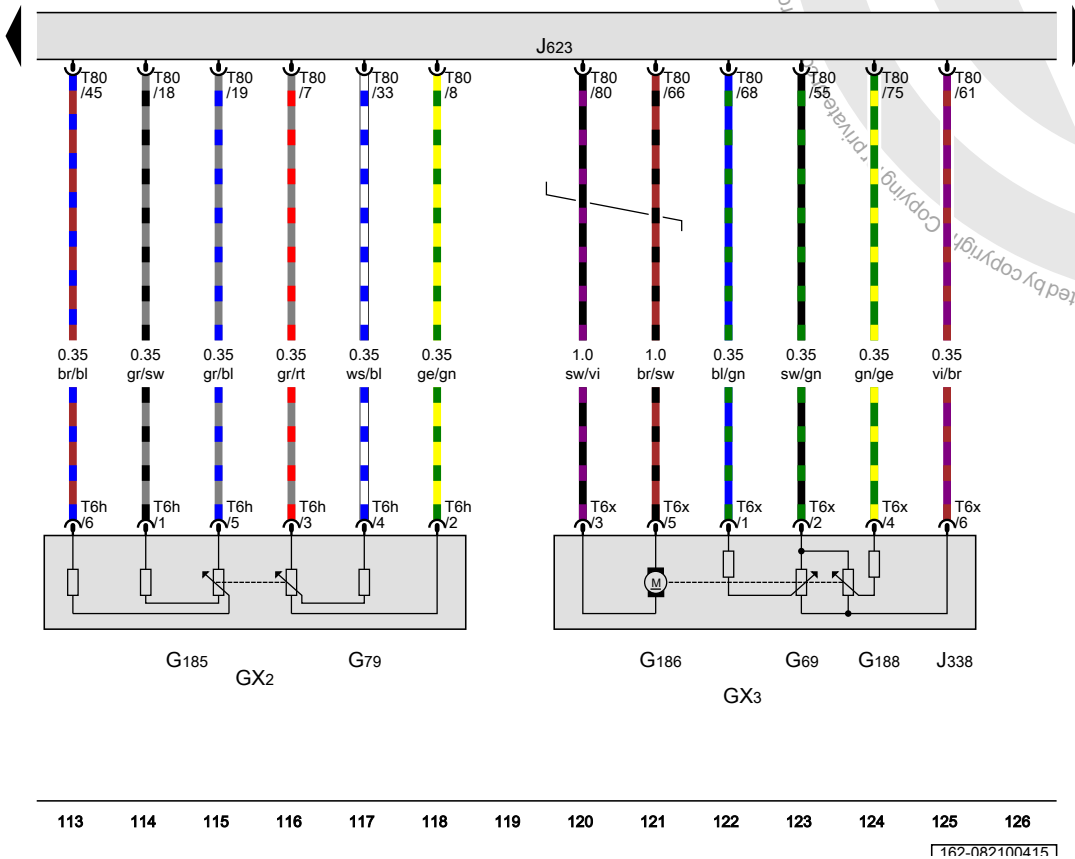


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-082090415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Throttle valve drive for electric throttle, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G69 Throttle valve potentiometer
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T6h 6-pin connector
- T6x 6-pin connector
- T80 80-pin connector

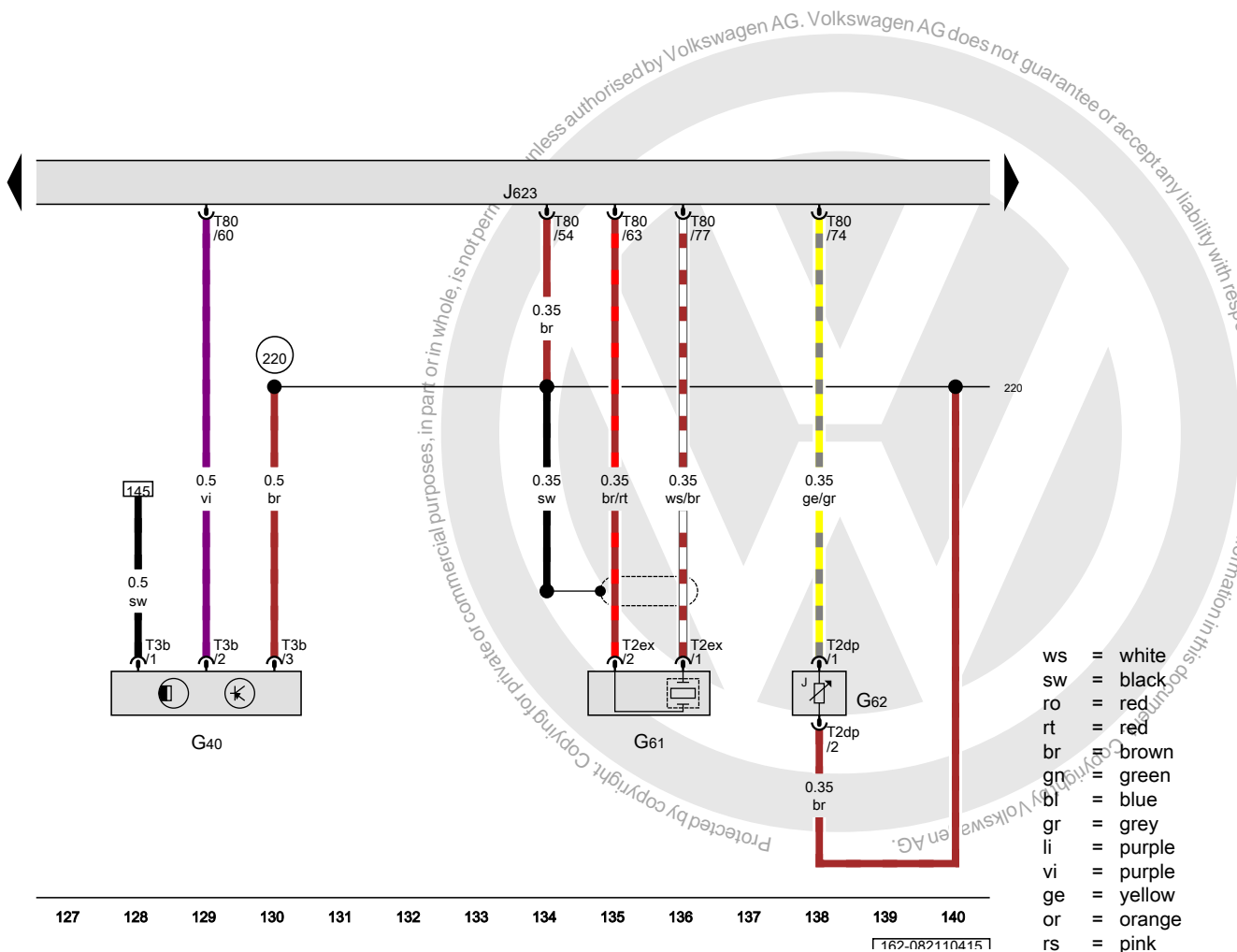


[162-082100415]

Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3b 3-pin connector
- T80 80-pin connector

220 Earth connection (sender earth), in engine wiring harness

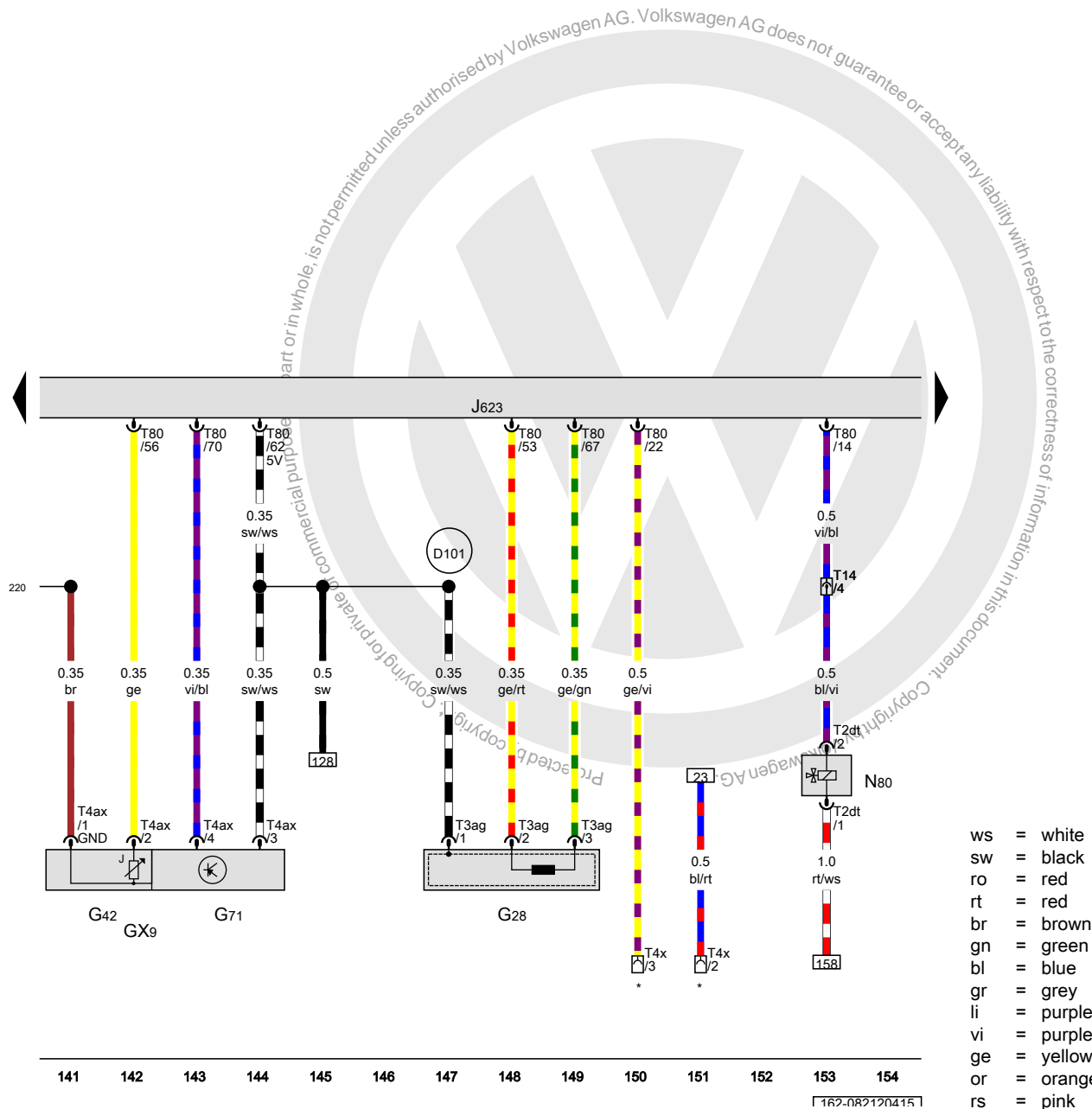


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Intake manifold sender, Engine speed sender, Intake air temperature sender, Engine control unit, Activated charcoal filter solenoid valve 1

- GX9 Intake manifold sender
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- T2dt 2-pin connector
- T3ag 3-pin connector
- T4ax 4-pin connector
- T4x 4-pin connector
- T14 14-pin connector, near battery
- T80 80-pin connector

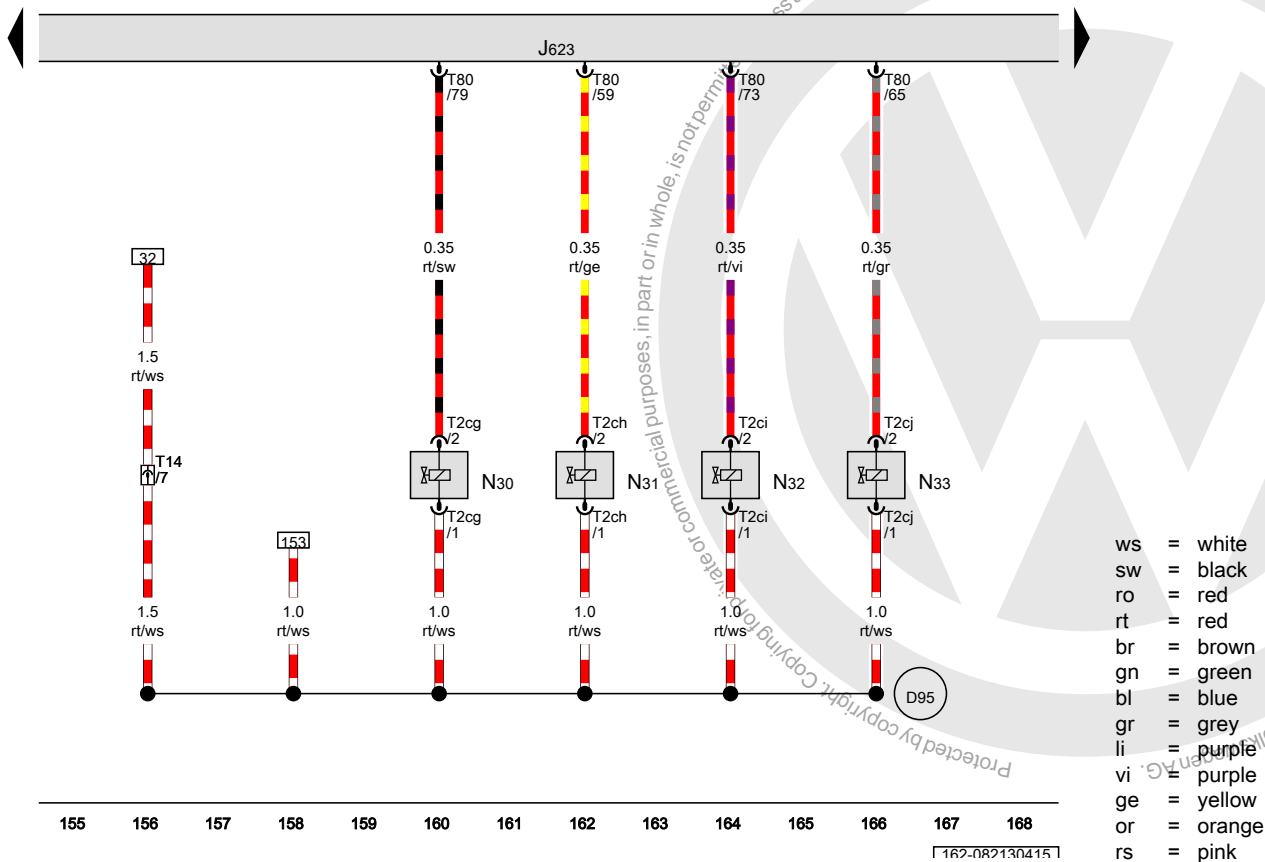
- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * Radiator fan connection



162-082120415

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T14 14-pin connector, near battery
- T80 80-pin connector
- D95 Connection (injectors), in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

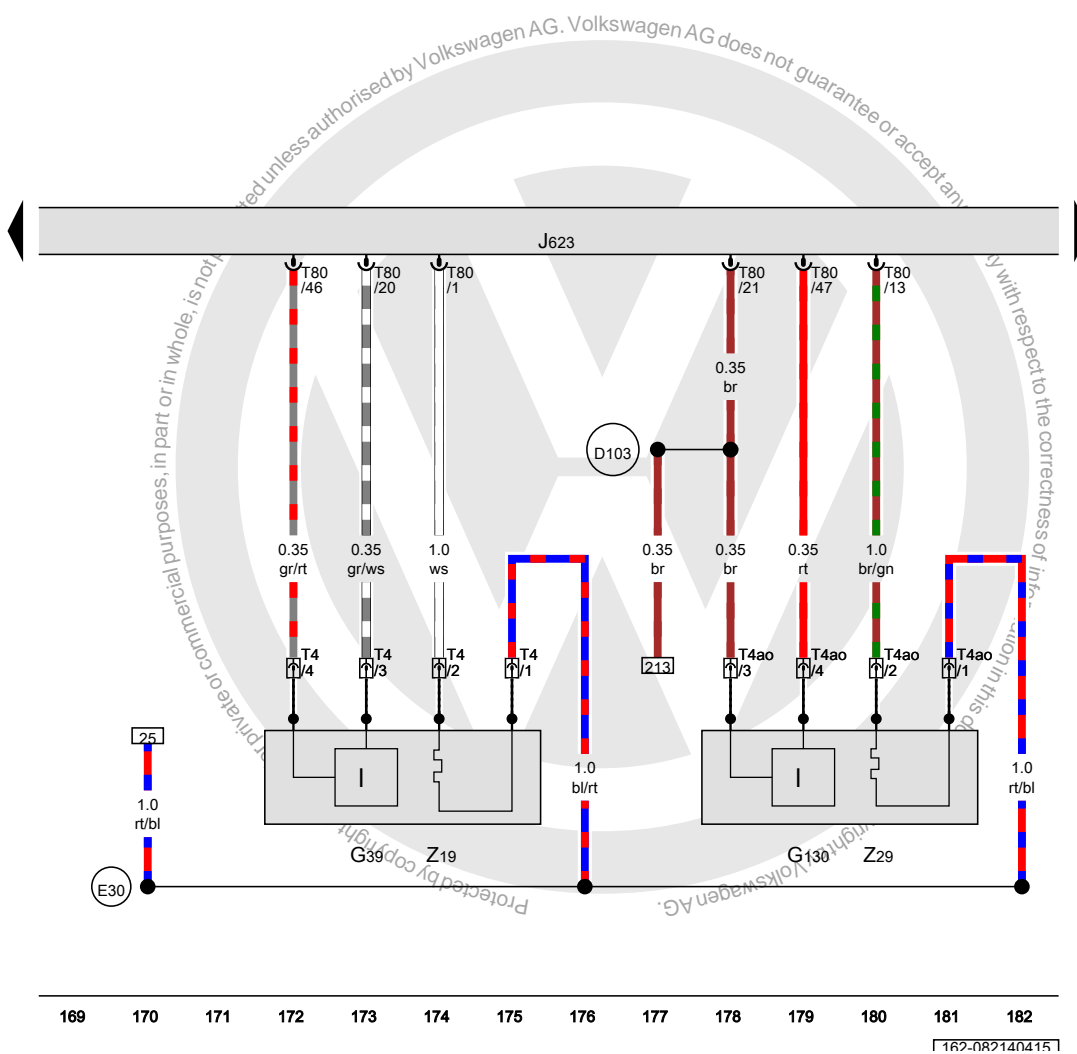
162-082130415

Lambda probe, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

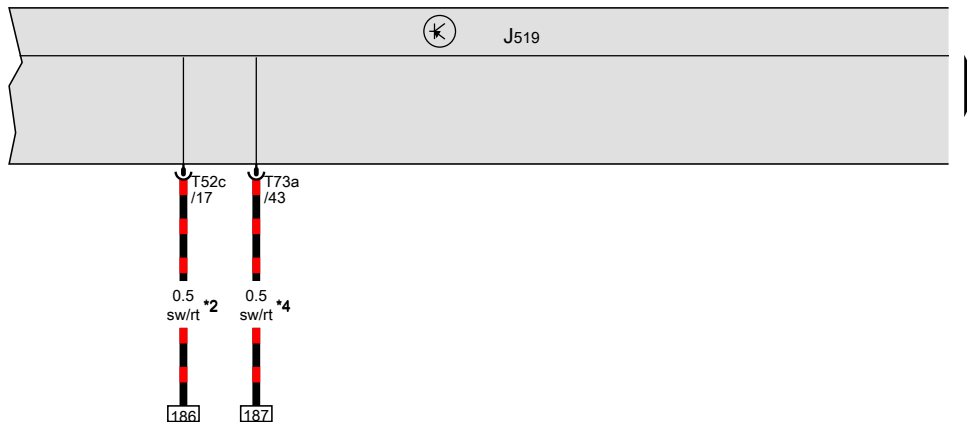
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4 4-pin connector
- T4ao 4-pin connector
- T80 80-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

D103 Connection 3 in engine compartment wiring harness

E30 Connection (87a), in engine wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

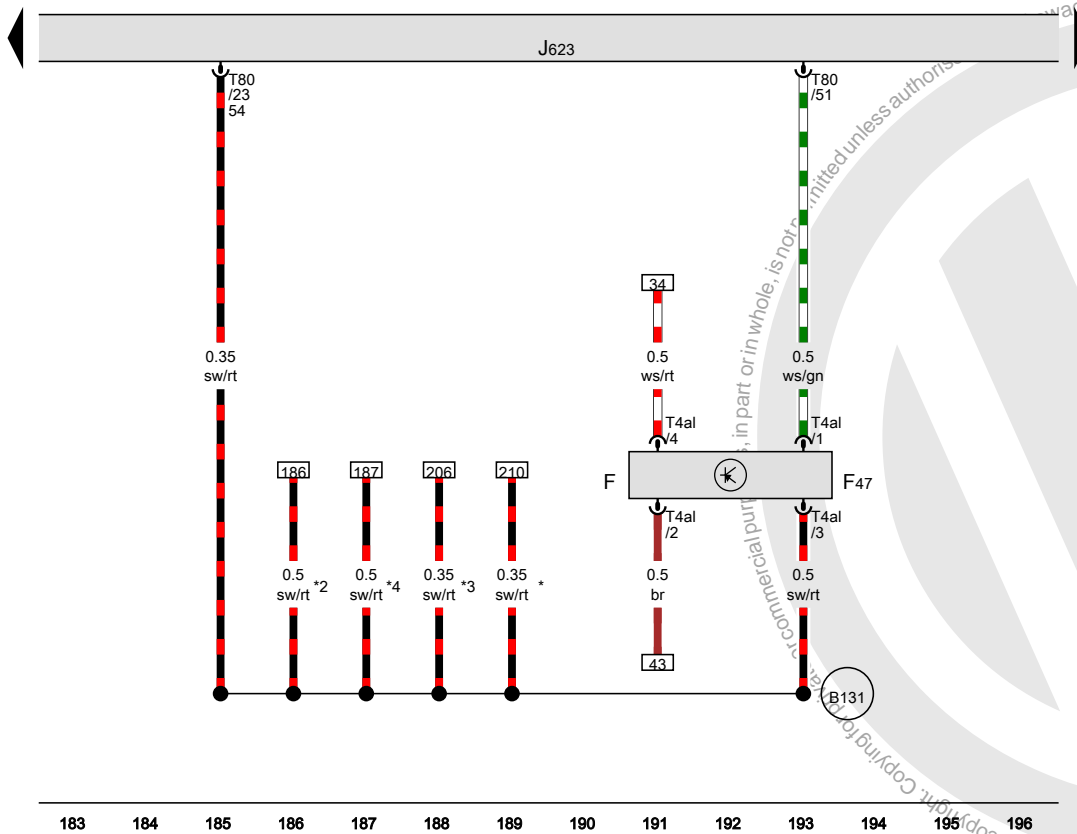


Brake light switch, Brake pedal switch, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T52c 52-pin connector
- T73a 73-pin connector
- T80 80-pin connector

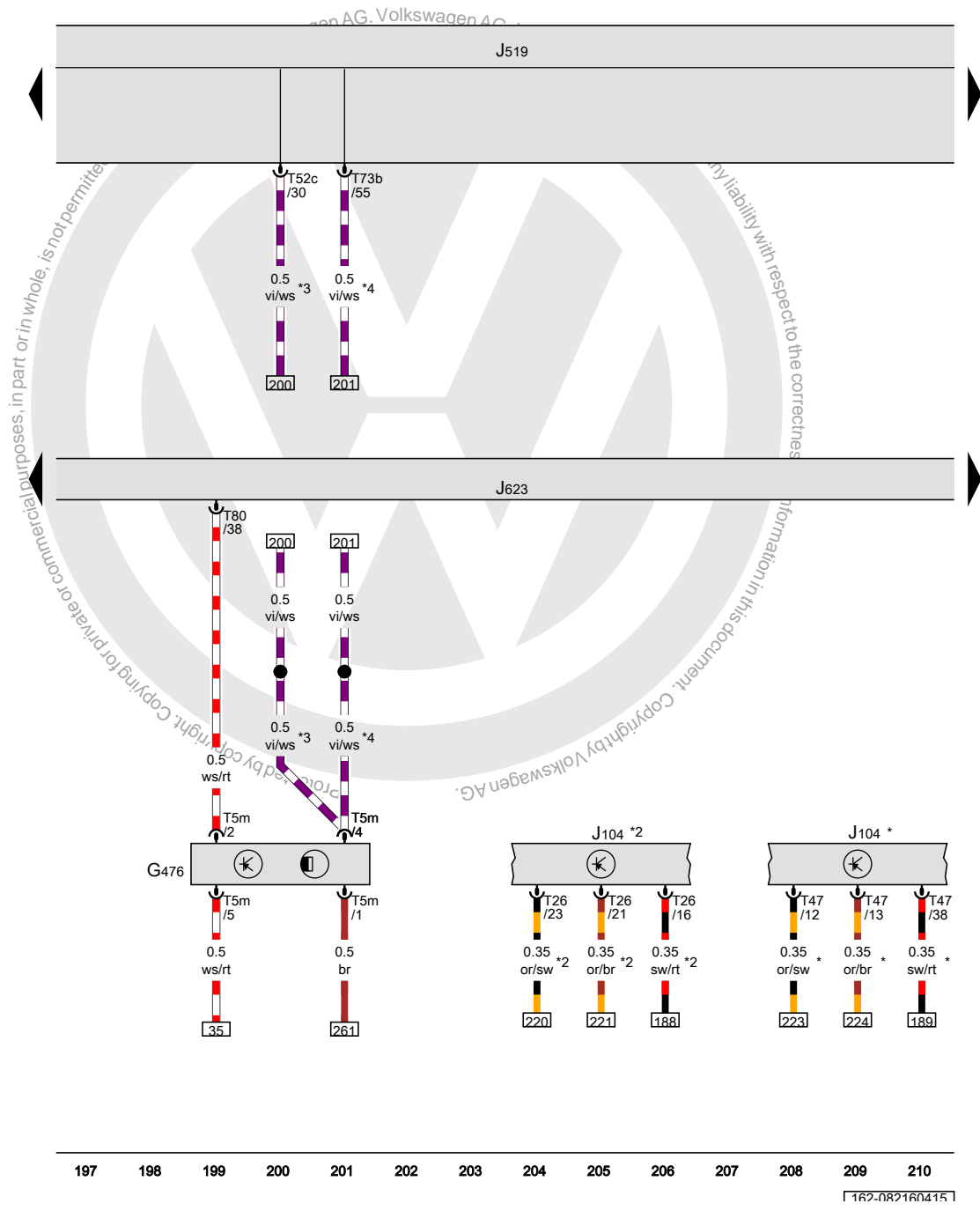
B131 Connection (54), in interior wiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with "High" equipment (AW1)
- *3 Only models with ABS and no ESP
- *4 Only models with "Low" equipment (AW0)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-082150415



Clutch position sender, Onboard supply control unit, Engine control unit

- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T5m 5-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T52c 52-pin connector
- T73b 73-pin connector
- T80 80-pin connector
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with ABS and no ESP
- *3 Only models with "High" equipment (AW1)
- *4 Only models with "Low" equipment (AW0)

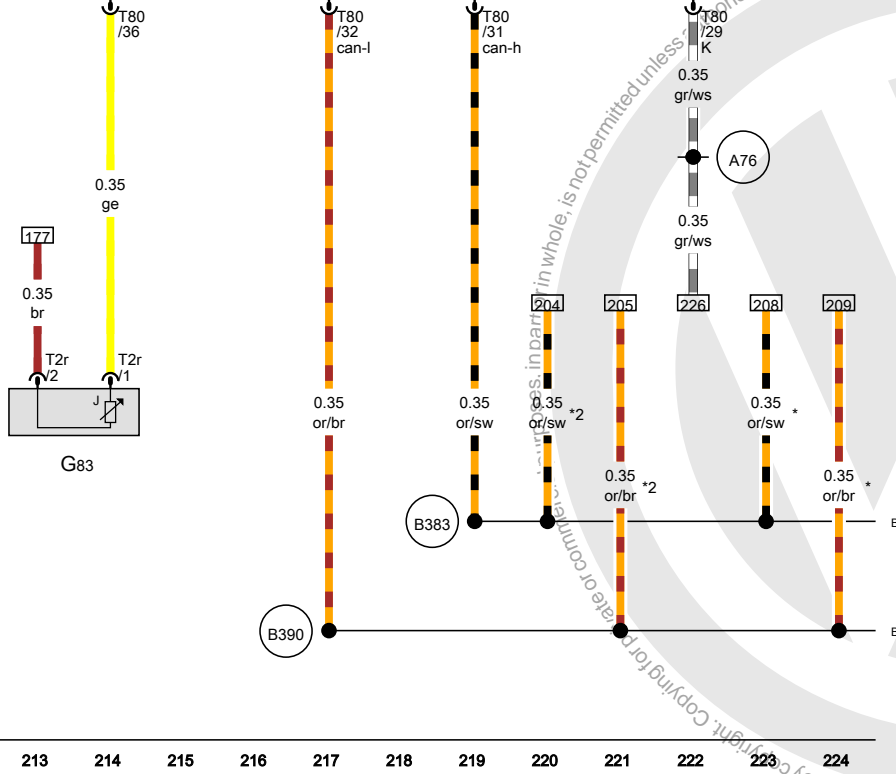
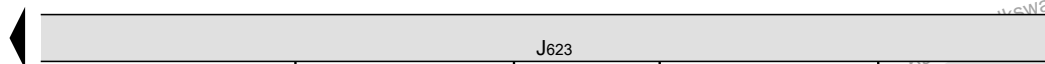
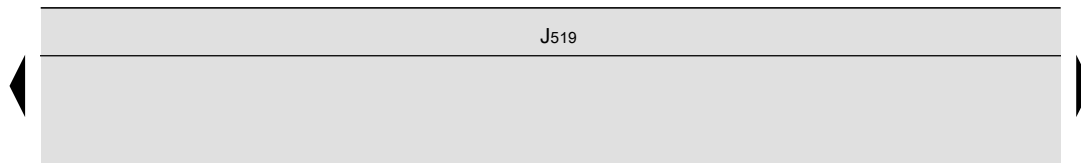
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-082160415

Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit

- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T2r 2-pin connector
- T80 80-pin connector

- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with ABS and no ESP

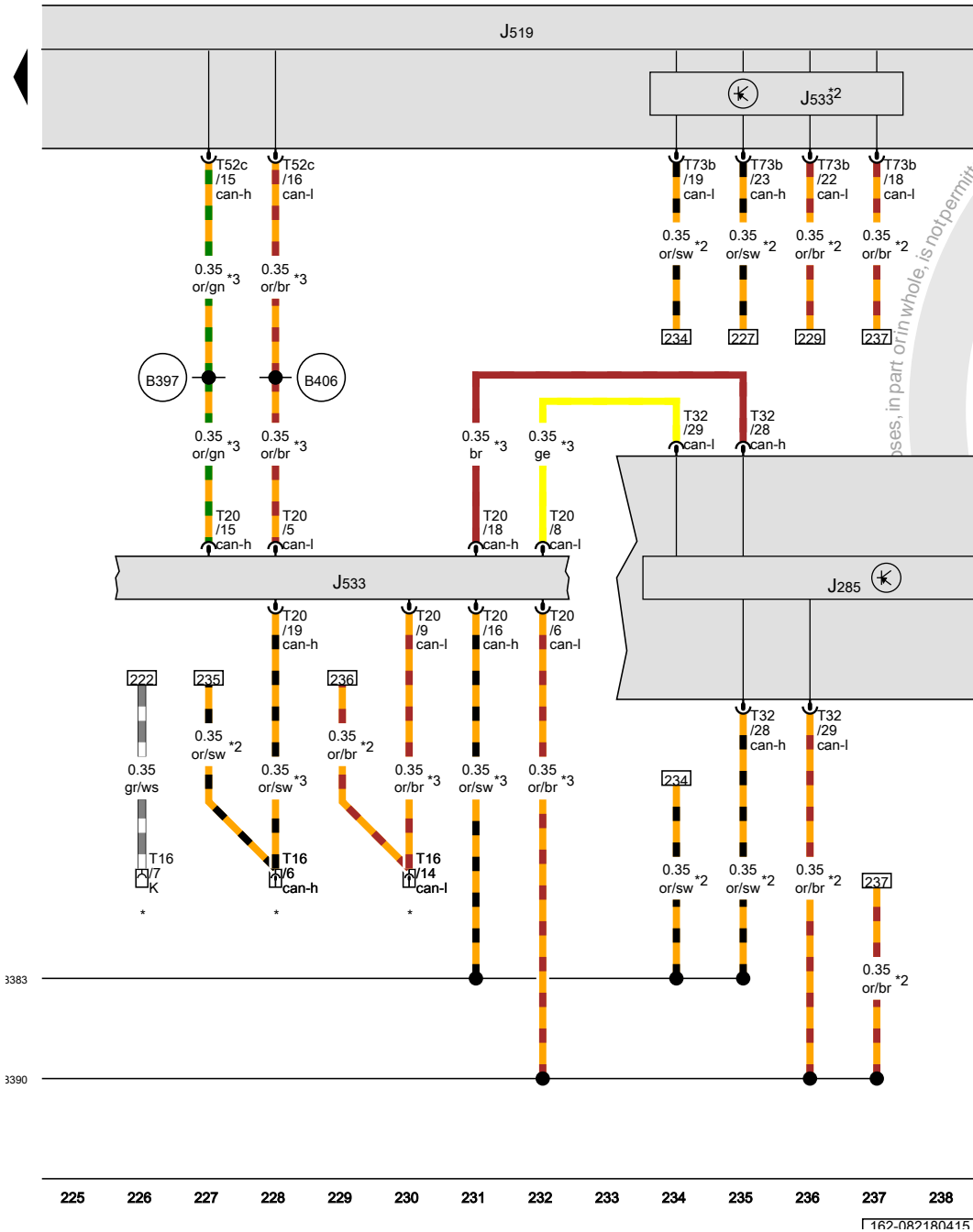


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

[162-082170415]

Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface



- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T73b 73-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-082180415]

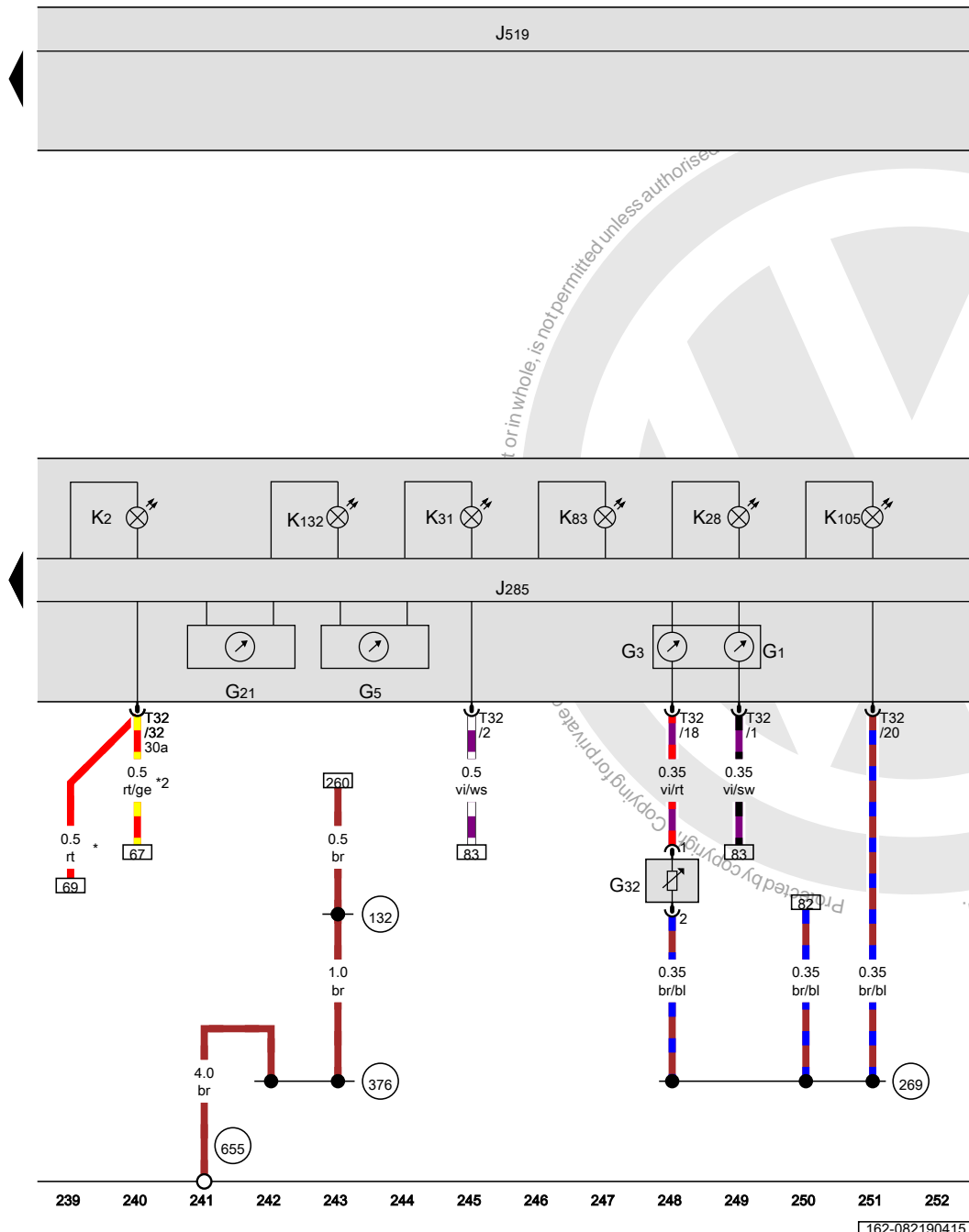
Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector

- (132) Earth connection 3, in engine compartment wiring harness
- (269) Earth connection (sender earth) 1, in dash panel wiring harness
- (376) Earth connection 11, in main wiring harness
- (655) Earth point, on left headlight

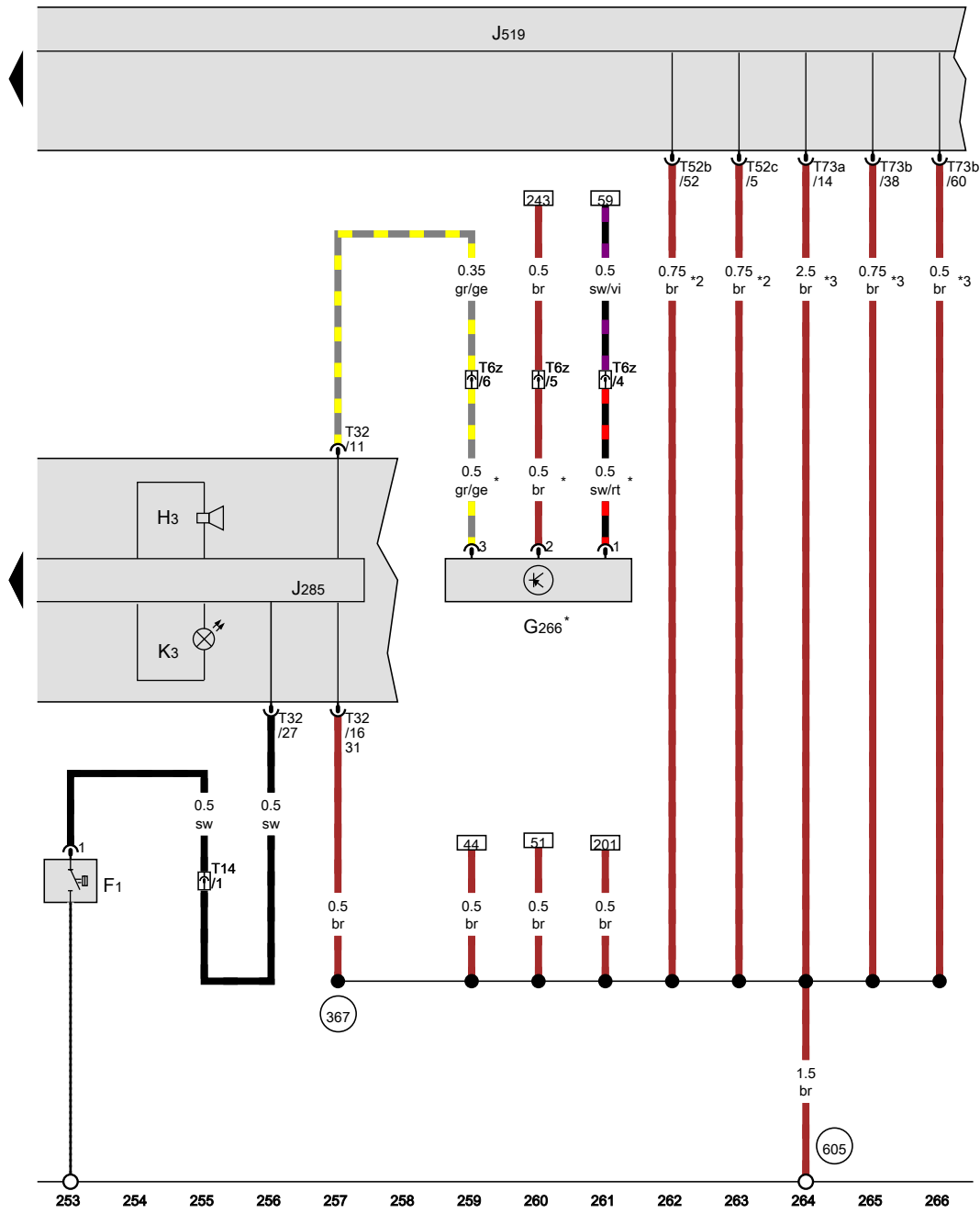
- * gradual introduction
- *2 Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-082190415

Oil pressure switch, Control unit in dash panel insert, Onboard supply control unit



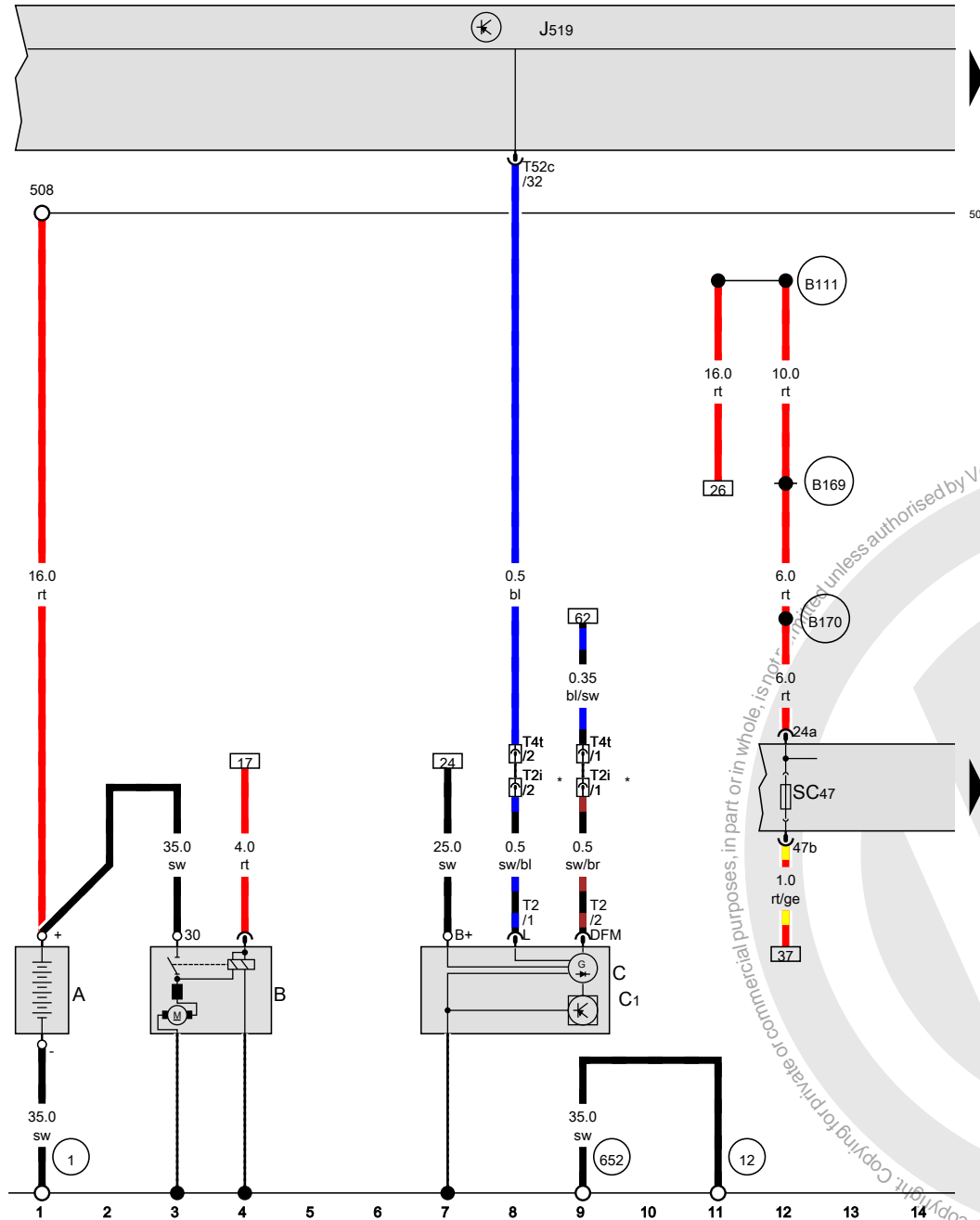
- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with extended servicing intervals (ESI)
- *2 Only models with "High" equipment (AW1)
- *3 Only models with "Low" equipment (AW0)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-082200415

1.8l petrol engine , CEEA
From November 2011





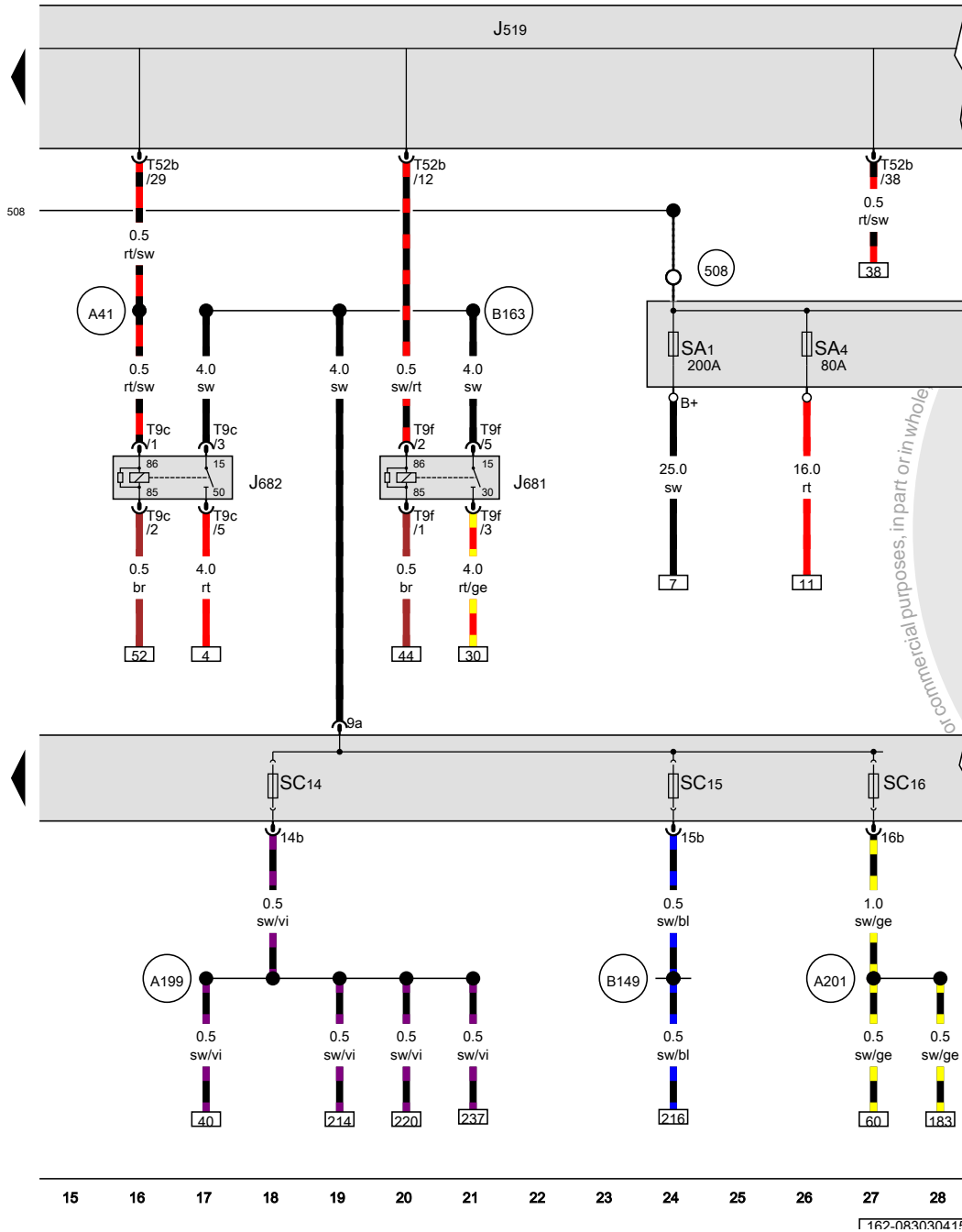
Battery, Starter, Alternator, Voltage regulator, Onboard supply control unit, Fuse 47 on fuse holder C

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SC47 Fuse 47 on fuse holder C
- T2 2-pin connector
- T2i 2-pin connector
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Only models with no air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-0830204151



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- (508) Threaded connection (30) on E-box
- (A41) Positive connection (50), in dash panel wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B149) Positive connection 2 (15a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

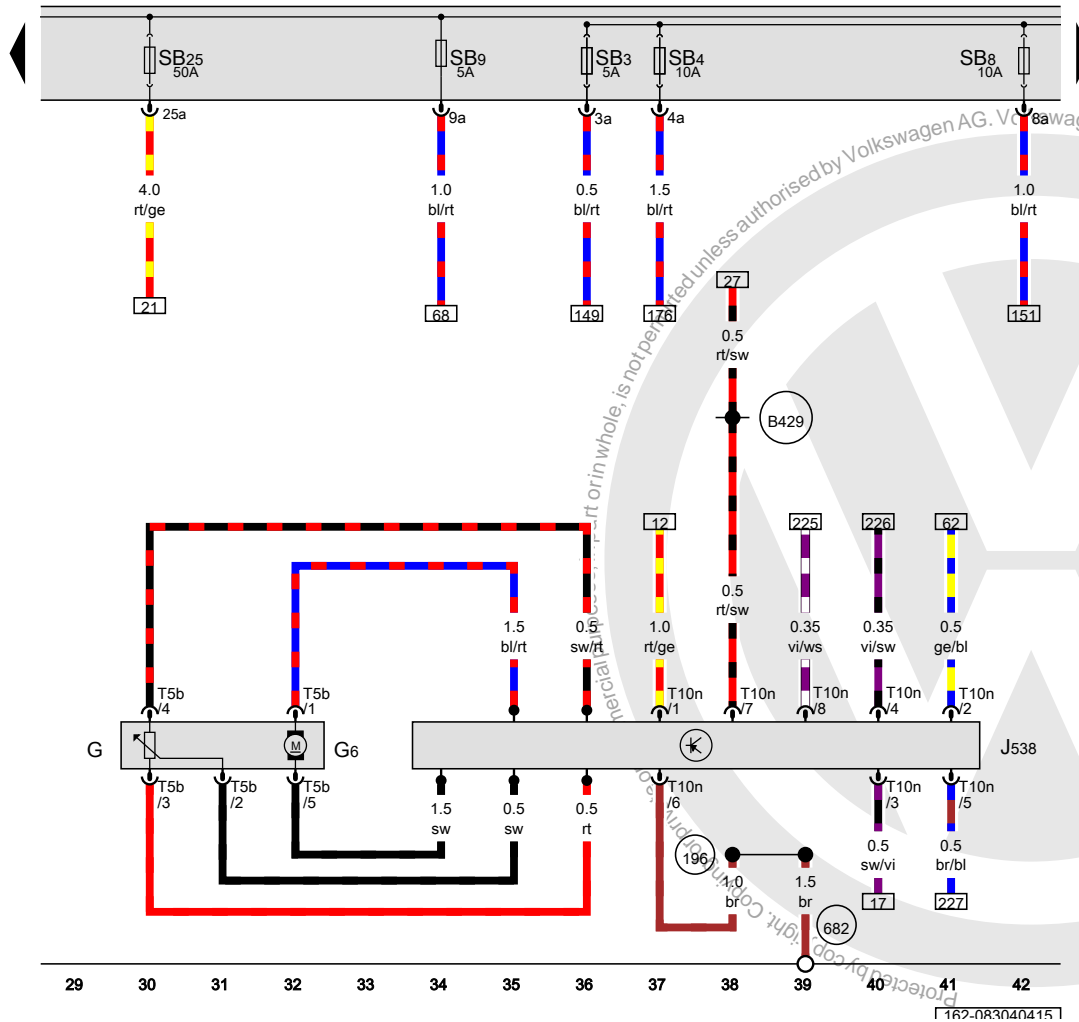
15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-083030415

Fuel gauge sender, Fuel system pressurisation pump, Fuse 25 on fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B429 Connection (EFPR), in main wiring harness

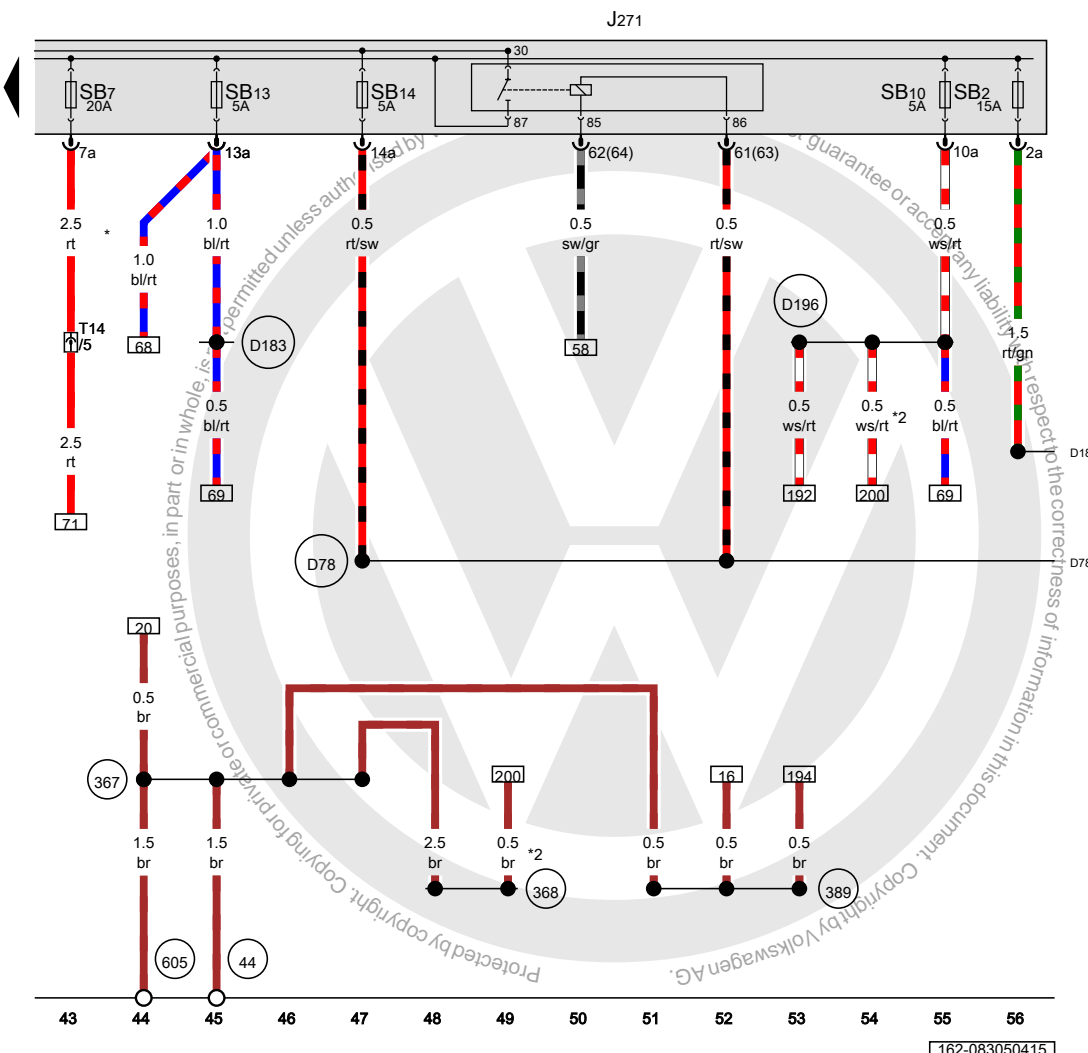


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

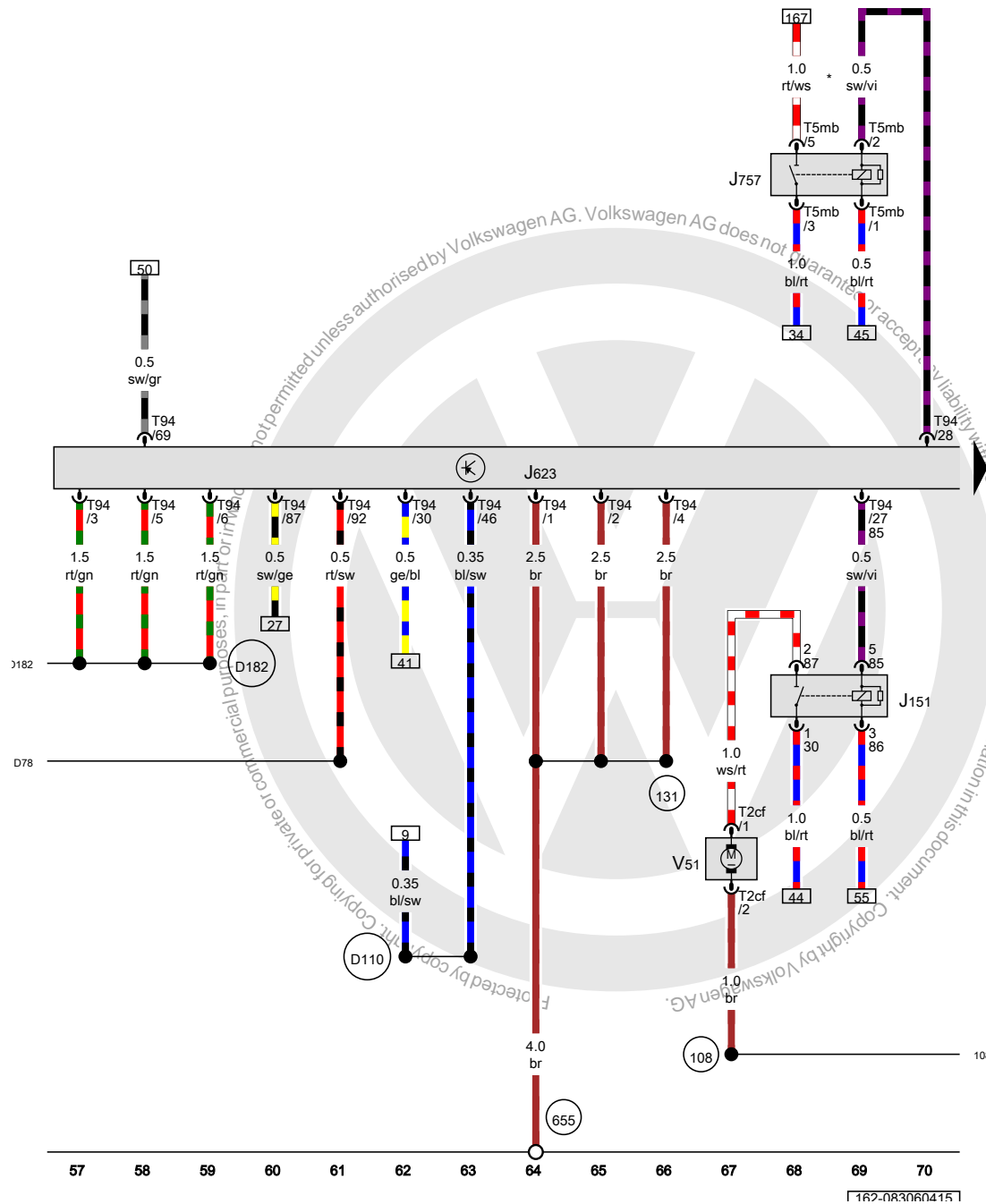
Main relay

- J271 Main relay
- SB2 Fuse 2 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector

- 44 Earth point, lower part of left A-pillar
 - 367 Earth connection 2, in main wiring harness
 - 368 Earth connection 3, in main wiring harness
 - 389 Earth connection 24, in main wiring harness
 - 605 Earth point, on top end of steering column
 - D78 Positive connection 1 (30a), in engine compartment wiring harness
 - D182 Connection 3 (87a) in engine compartment wiring harness
 - D183 Connection 4 (87a) in engine compartment wiring harness
 - D196 Connection 2 (87a) in engine prewiring harness
- * Wiring colour depends on equipment
 *2 Only models with manual gearbox



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Engine control unit, Engine component current supply relay, Continued coolant circulation pump

- J151 Continued coolant circulation relay
- J623 Engine control unit
- J757 Engine component current supply relay
- T2cf 2-pin connector
- T5mb 5-pin connector
- T94 94-pin connector
- V51 Continued coolant circulation pump

- 108 Earth connection 2, in front left wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Wiring colour depends on equipment

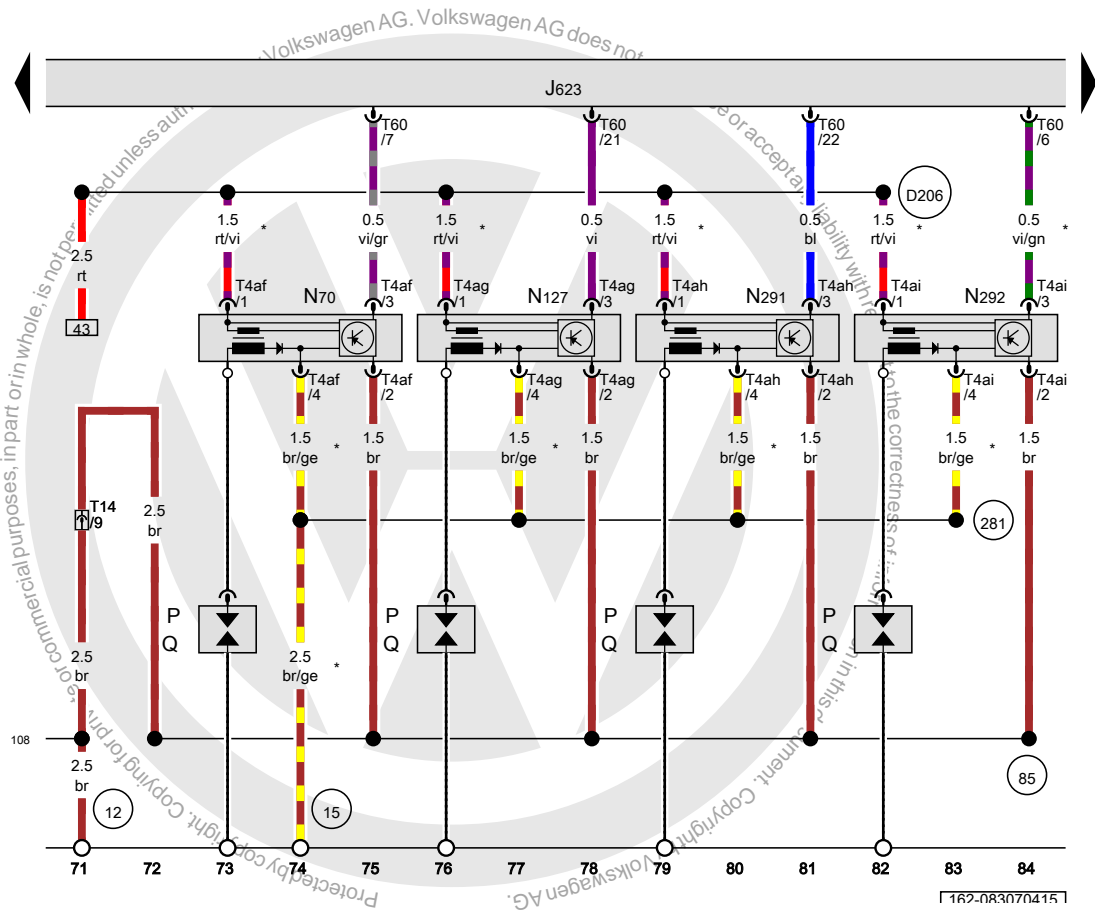
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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

162-083060415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness
- * Wiring colour depends on equipment

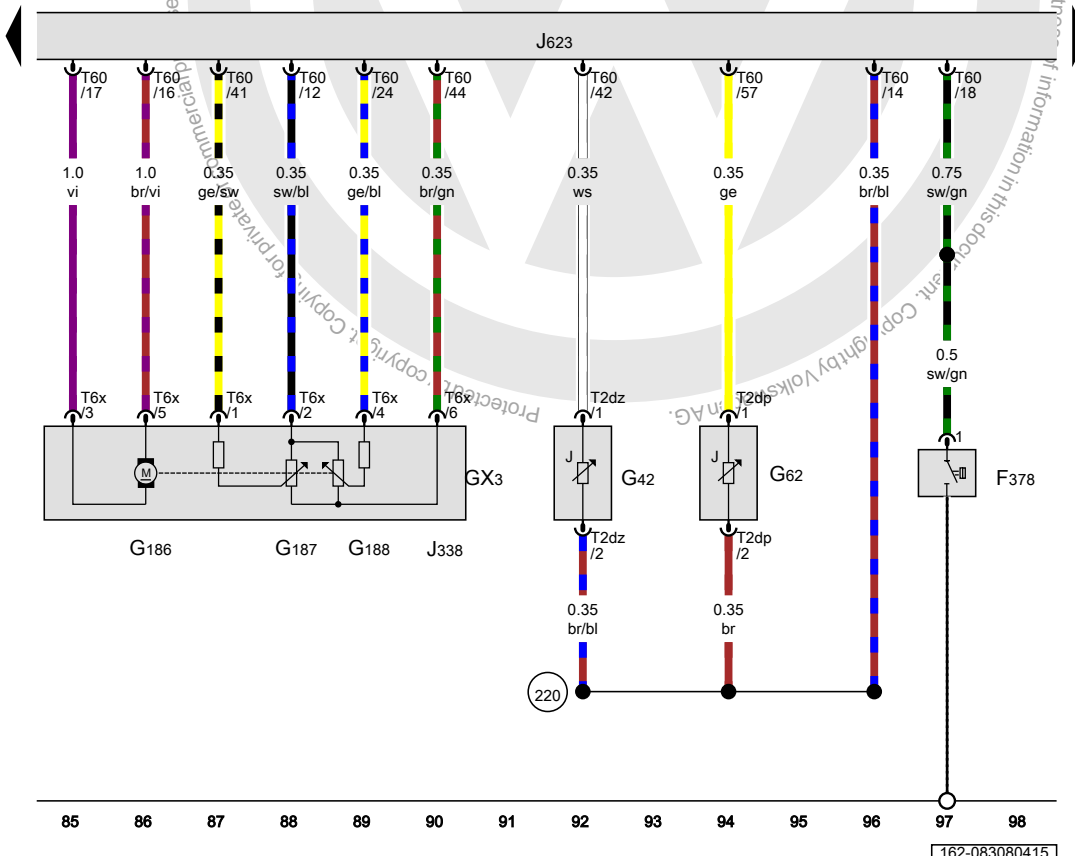


- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Throttle valve module, Intake air temperature sender, Coolant temperature sender, Throttle valve drive for electric throttle, Throttle valve drive angle sender 1 for electric throttle, Throttle valve drive angle sender 2 for electric throttle, Engine control unit

- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T2dp 2-pin connector
- T2dz 2-pin connector
- T6x 6-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

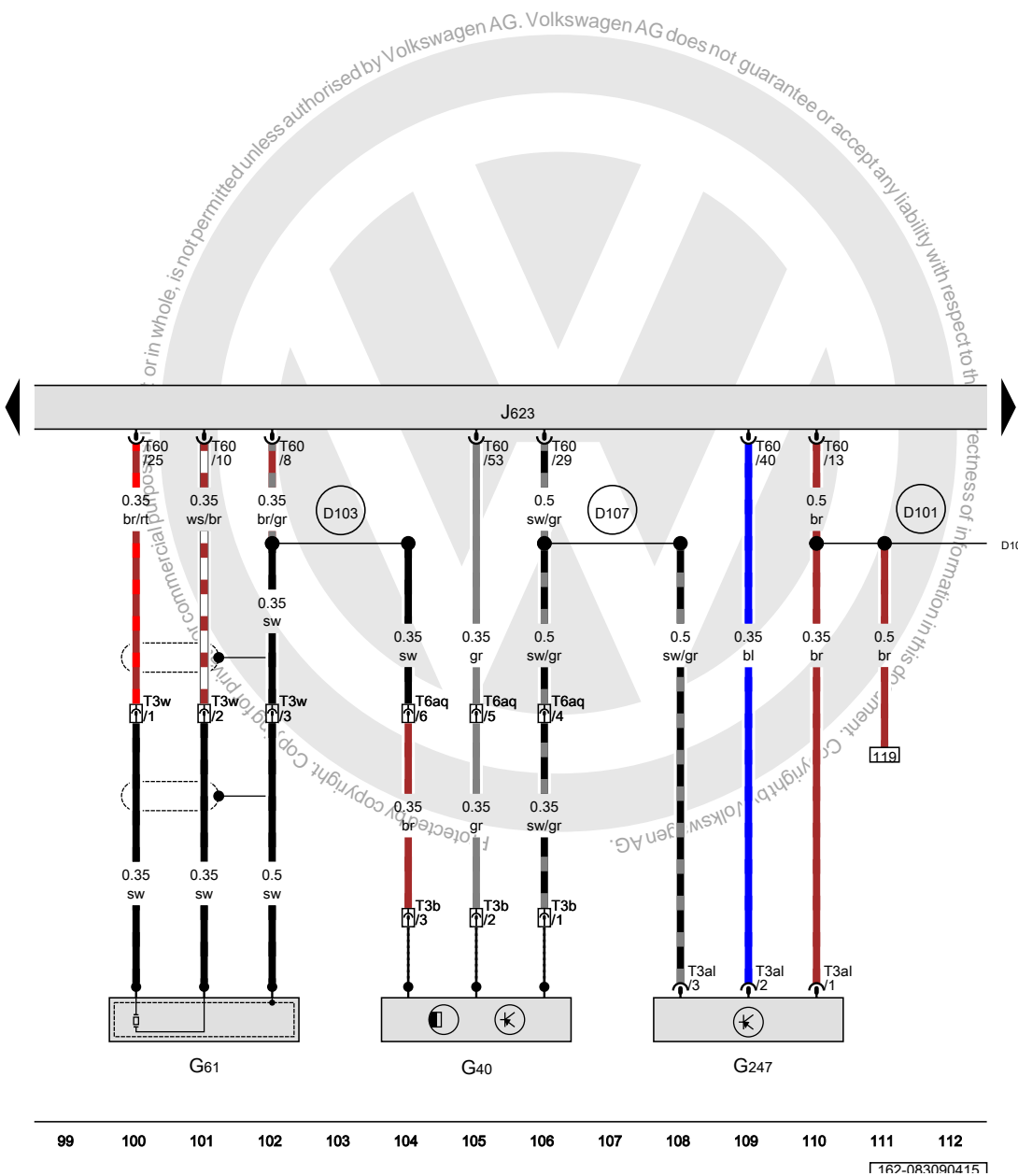


162-083080415

Hall sender, Knock sensor 1, Engine control unit

- G40 Hall sender
- G61 Knock sensor 1
- G247 Fuel pressure sender
- J623 Engine control unit
- T3al 3-pin connector
- T3b 3-pin connector
- T3w 3-pin connector
- T6aq 6-pin connector
- T60 60-pin connector

- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness



- ws = white
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- rt = red
- br = brown
- gn = green
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- gr = grey
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- ge = yellow
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- rs = pink

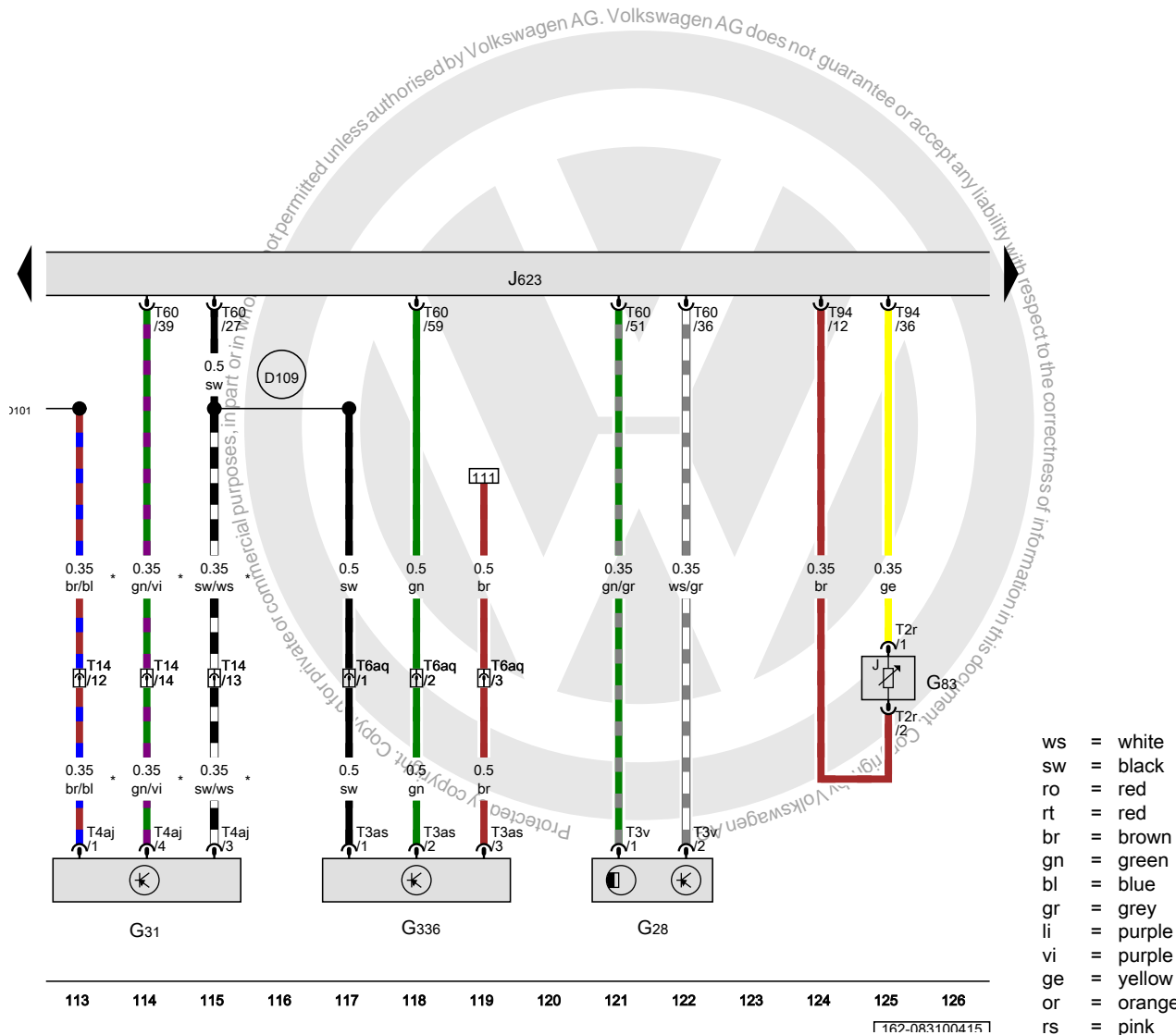
Engine speed sender, Charge pressure sender, Radiator outlet coolant temperature sender, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T2r 2-pin connector
- T3as 3-pin connector
- T3v 3-pin connector
- T4aj 4-pin connector
- T6aq 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

D101 Connection 1 in engine compartment wiring harness

D109 Connection 7 in engine compartment wiring harness

* Wiring colour depends on equipment

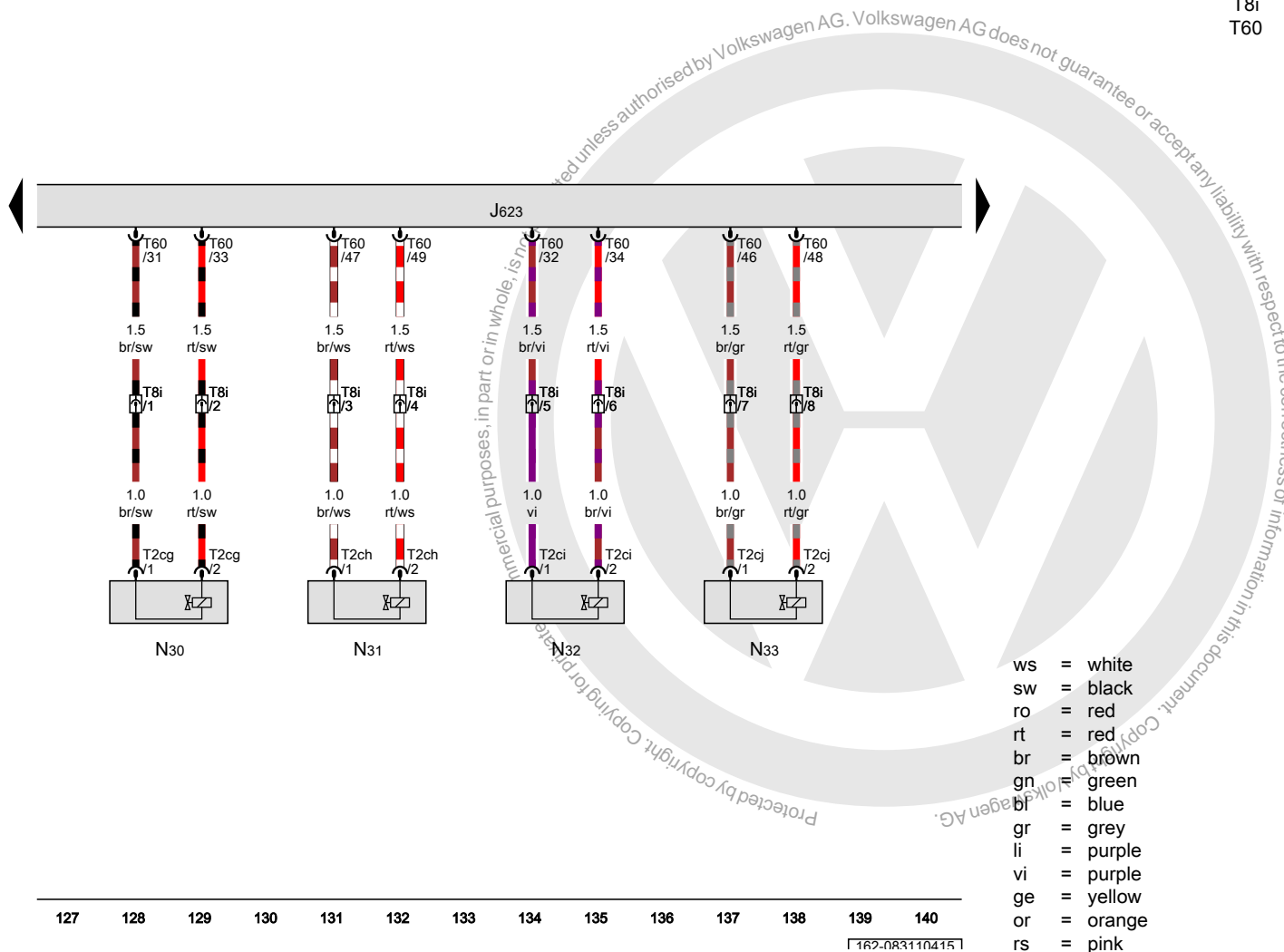


- ws = white
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- or = orange
- rs = pink

162-083100415

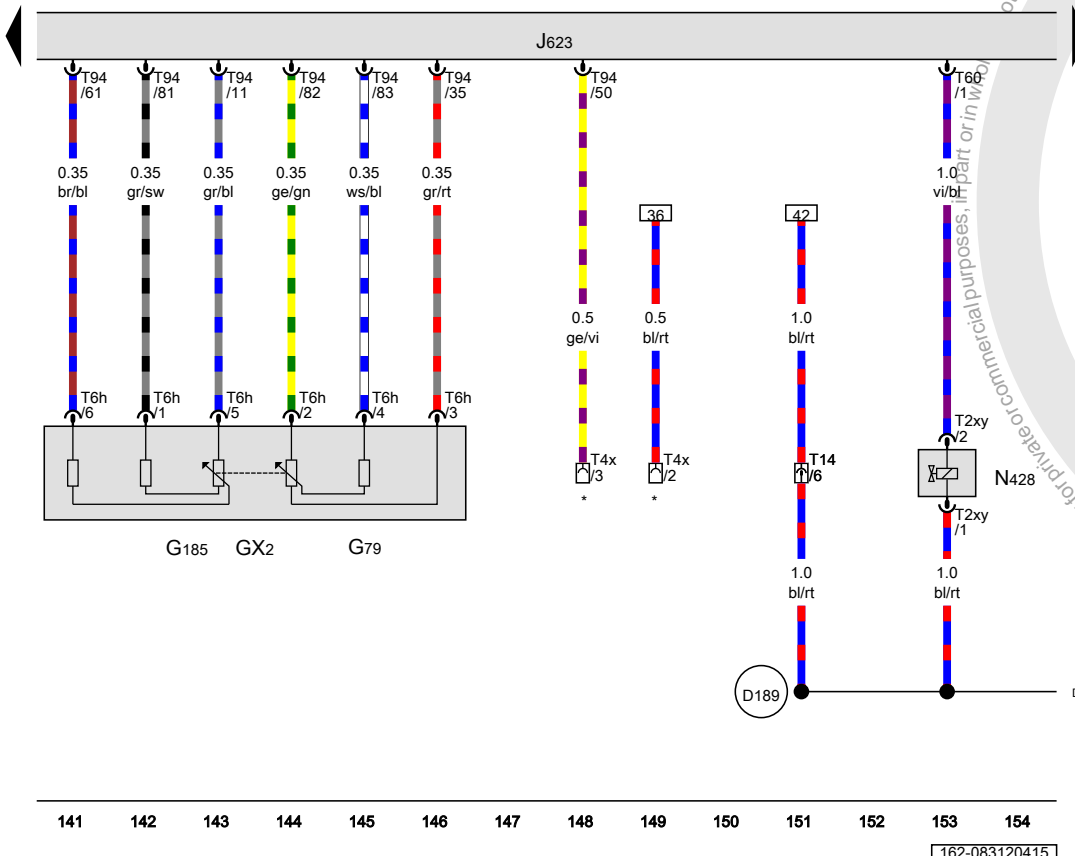
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T8i 8-pin connector
- T60 60-pin connector



Accelerator pedal module, Accelerator position sender 2, Engine control unit, Valve for oil pressure control

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N428 Valve for oil pressure control
- T2xy 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- D189 Connection (87a) in engine prewiring harness
- * Radiator fan connection



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- rs = pink

141	142	143	144	145	146	147	148	149	150	151	152	153	154
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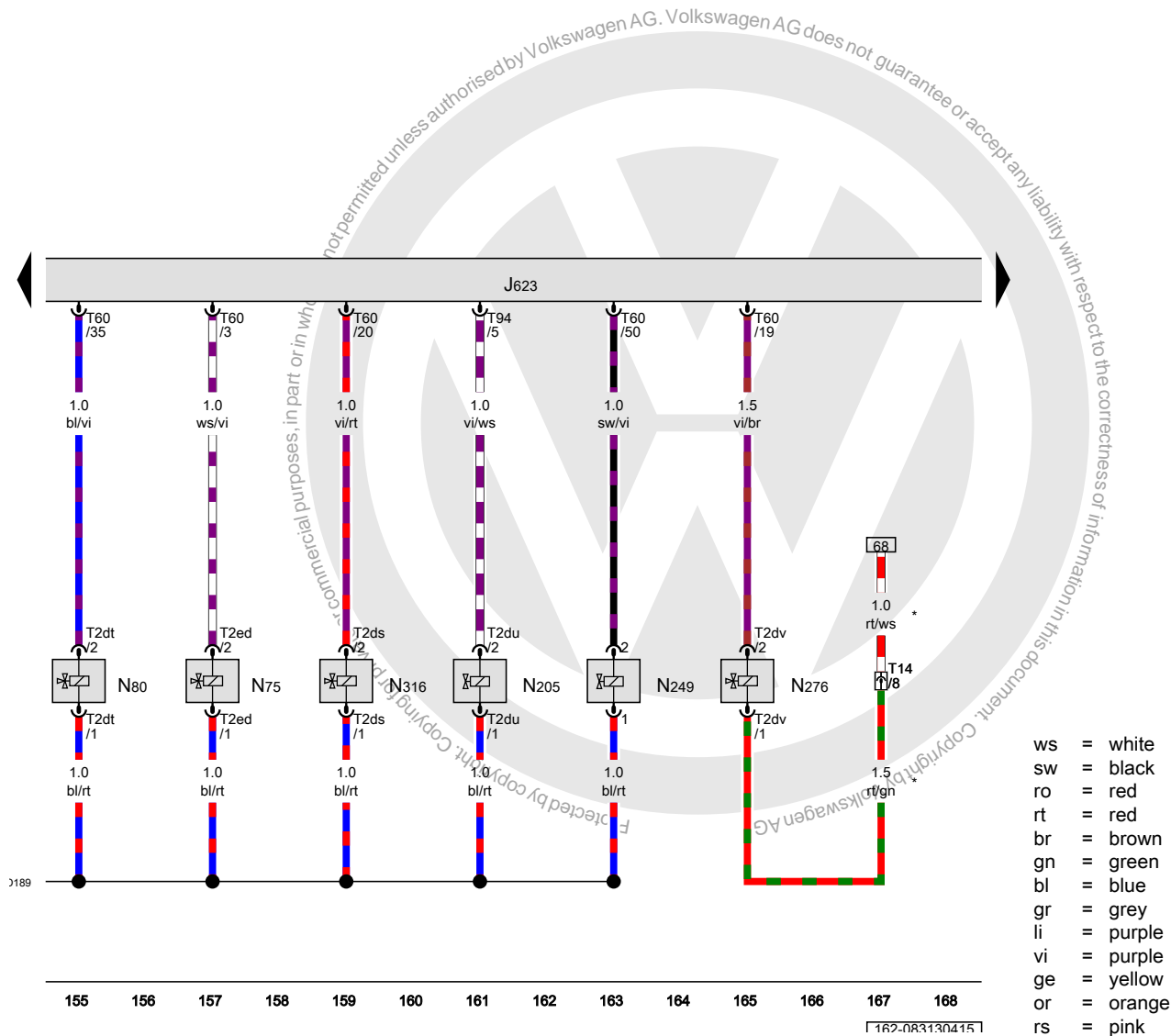
[162-083120415]

Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Intake manifold flap valve

- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

D189 Connection (87a) in engine prewiring harness

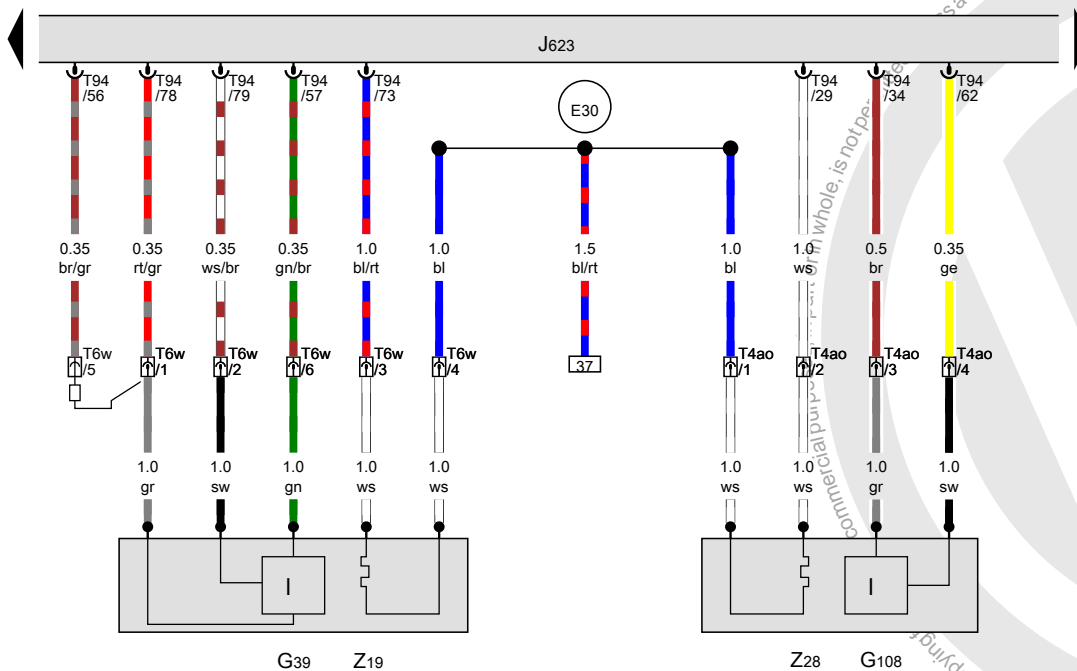
* Wiring colour depends on equipment



Lambda probe 2, Engine control unit, Lambda probe heater, Lambda probe heater 2

- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z28 Lambda probe heater 2

E30 Connection (87a), in engine wiring harness



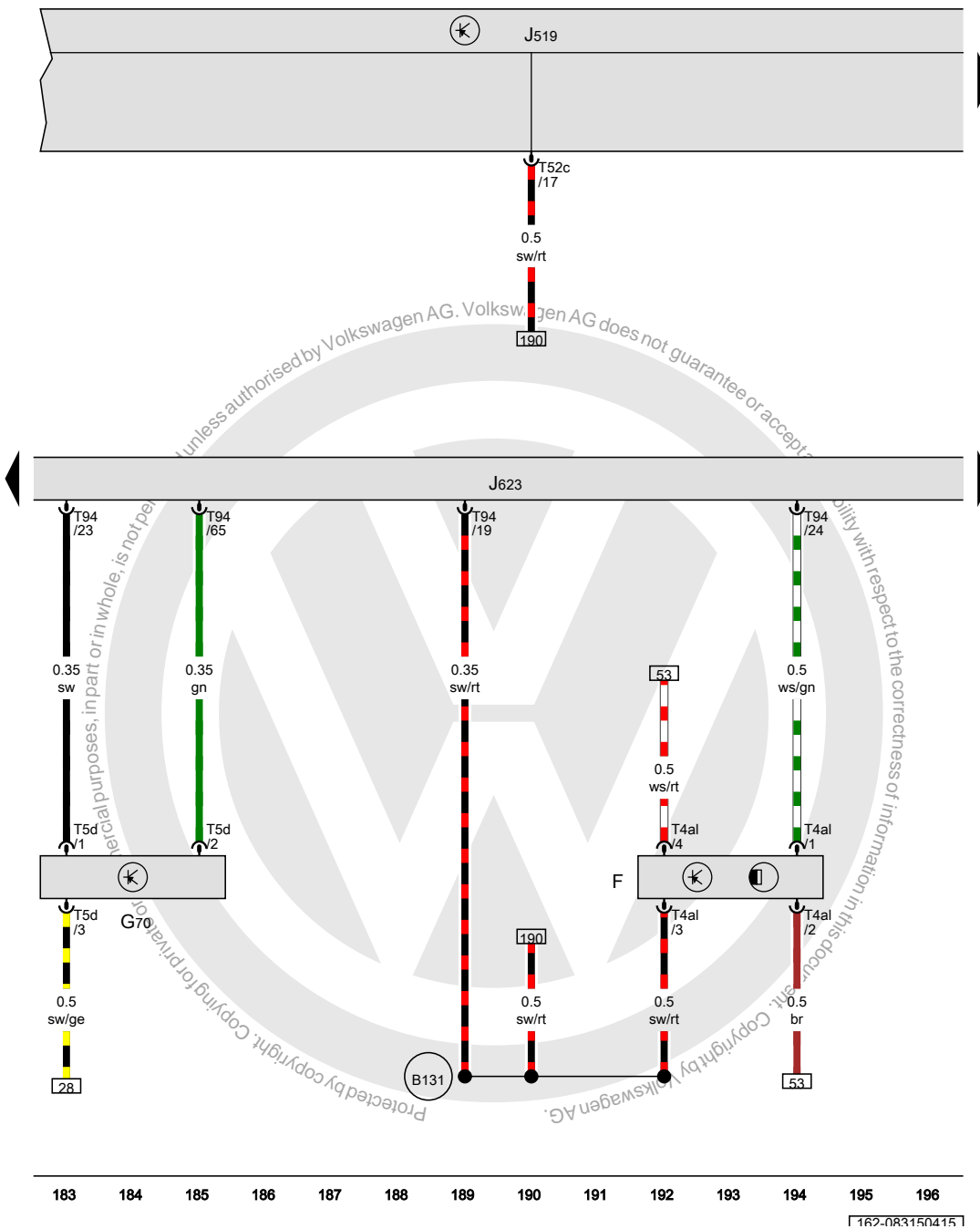
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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

[162-083140415]

Brake light switch, Air mass meter, Engine control unit

- F Brake light switch
- G70 Air mass meter
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5d 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector
- B131 Connection (54), in interior wiring harness



- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-083150415

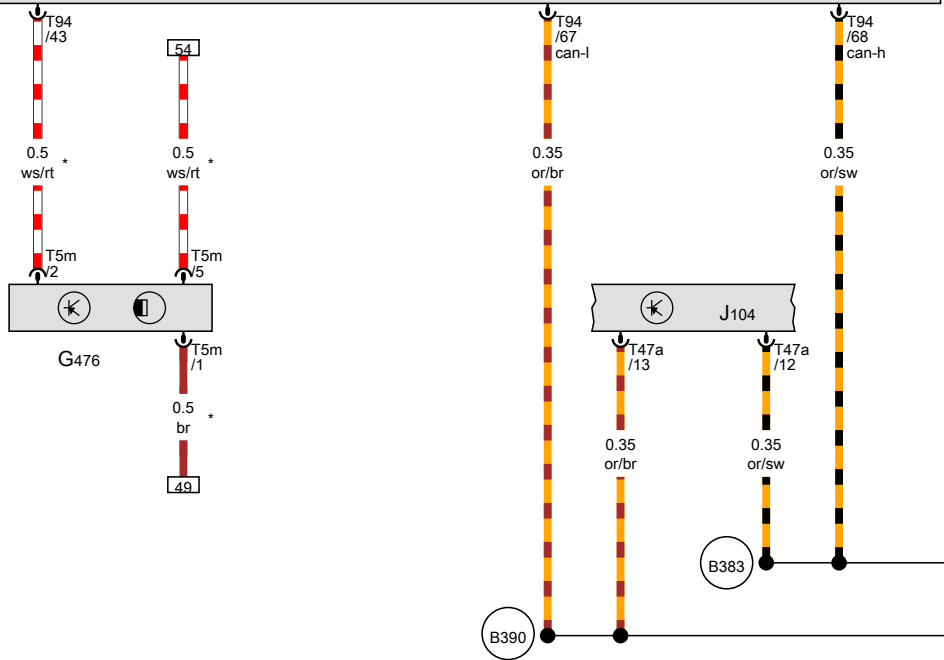
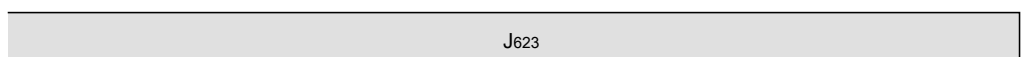
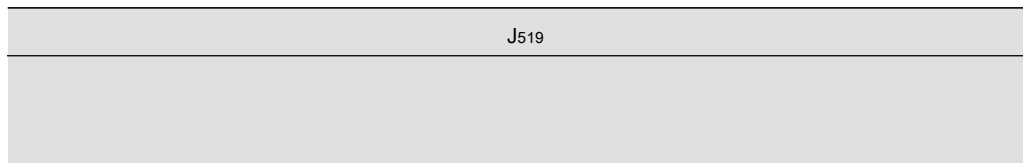
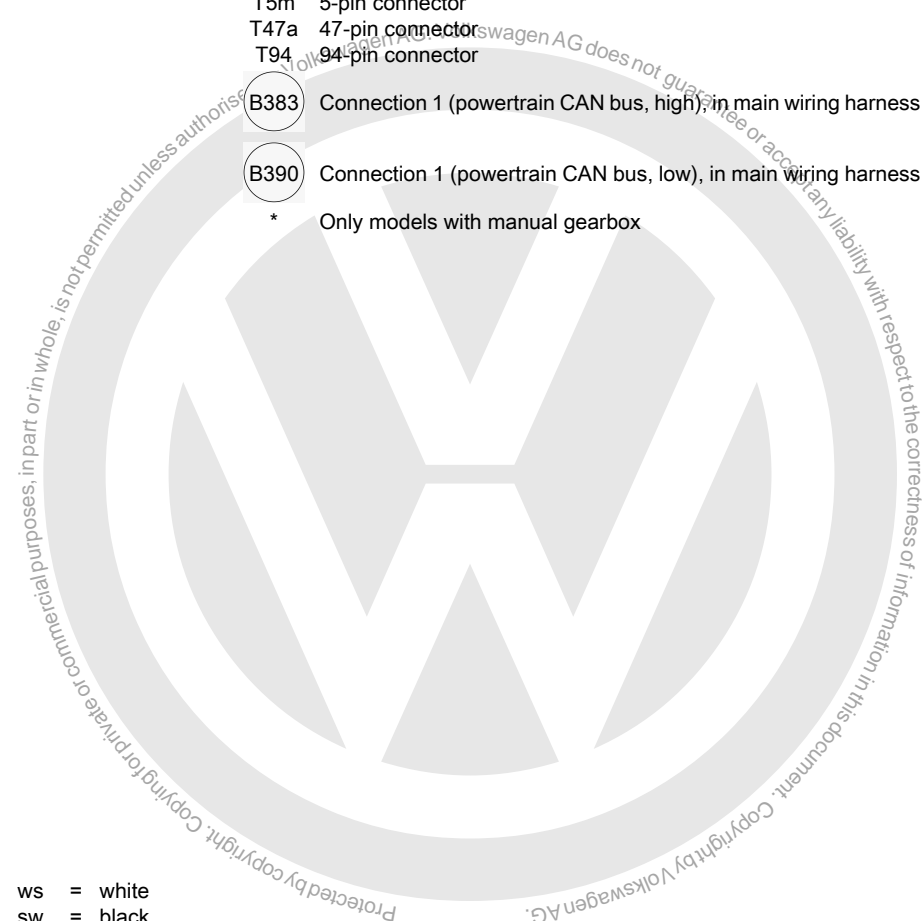
Clutch position sender, Engine control unit

- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T5m 5-pin connector
- T47a 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high) in main wiring harness

B390 Connection 1 (powertrain CAN bus, low) in main wiring harness

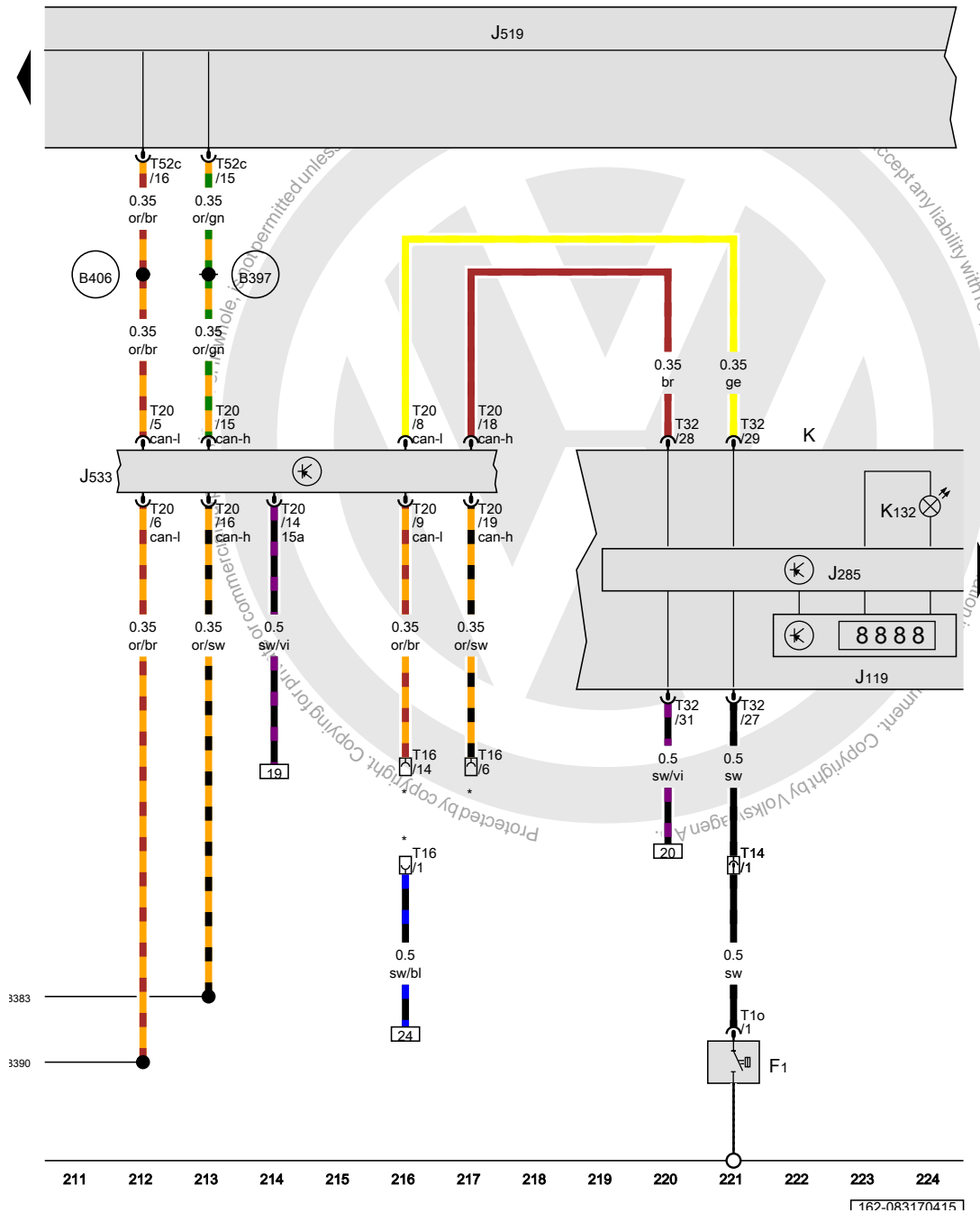
* Only models with manual gearbox



- ws = white
- sw = black
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210

[162-083160415]



Oil pressure switch, Data bus diagnostic interface, Dash panel insert, Electronic power control fault lamp

- F1 Oil pressure switch
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K132 Electronic power control fault lamp
- T1o Single connector
- T14 14-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397** Connection 1 (convenience CAN bus, high), in main wiring harness
- B406** Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

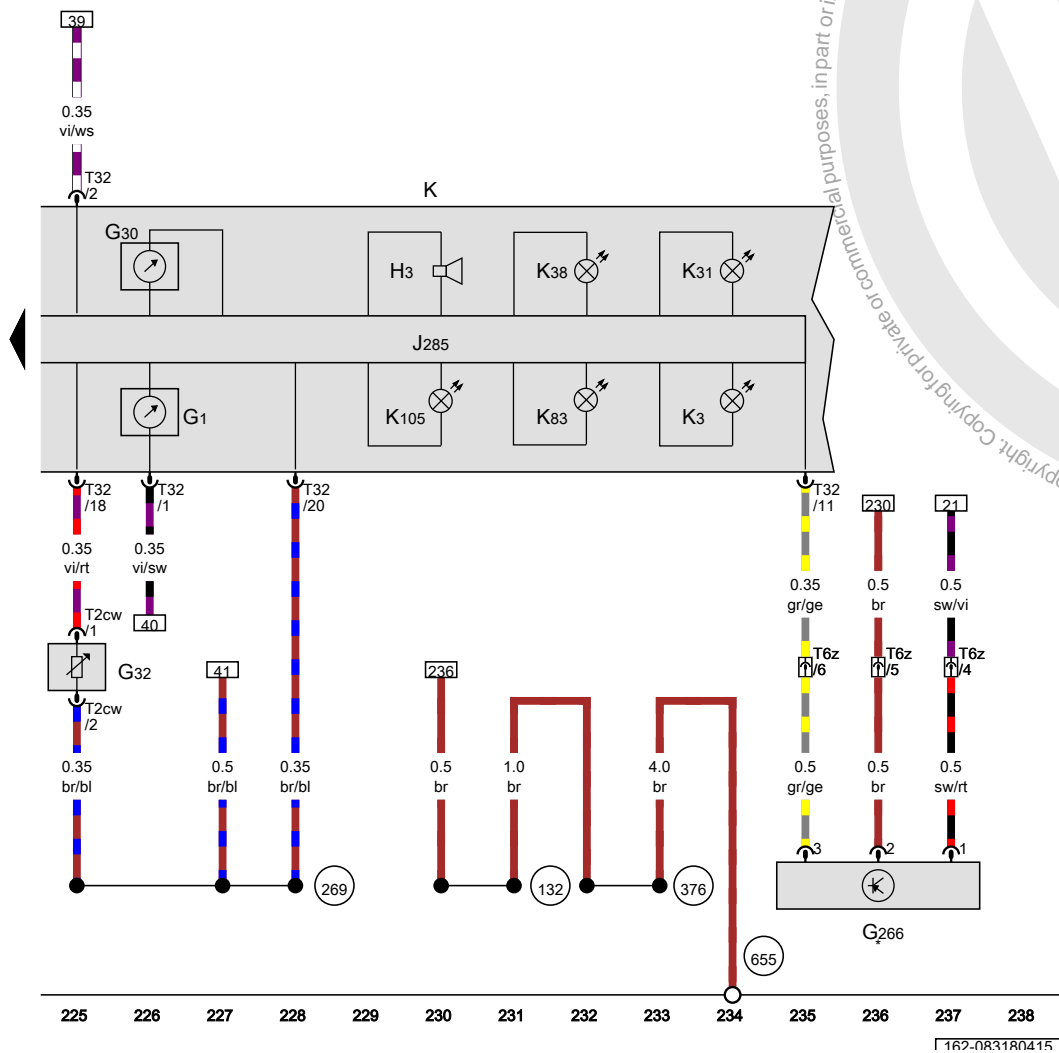
[162-083170415]

Fuel gauge, Charge air pressure gauge, Buzzer and gong, Dash panel insert, Oil pressure warning lamp, Cruise control system warning lamp, Oil level warning lamp, Exhaust emissions warning lamp, Reserve fuel warning lamp

- G1 Fuel gauge
- G30 Charge air pressure gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T2cw 2-pin connector
- T6z 6-pin connector
- T32 32-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 376 Earth connection 41, in main wiring harness
- 655 Earth point, on left headlight

* Only models with flexible service interval display

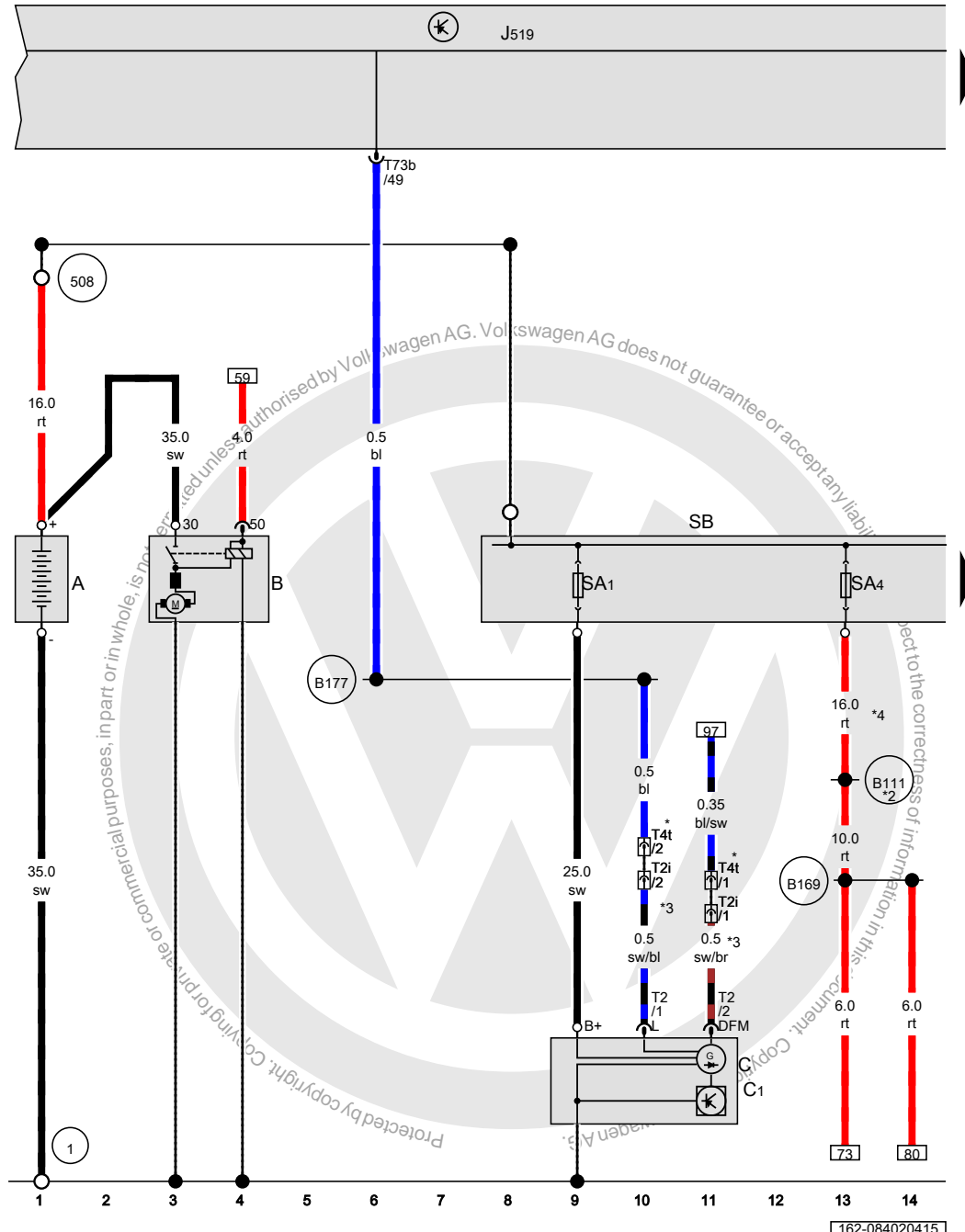


- ws = white
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- ro = red
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- bl = blue
- gr = grey
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2.5l petrol engine , CBTA,CBUA,(AW0)

From December 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 Cross section depends on equipment

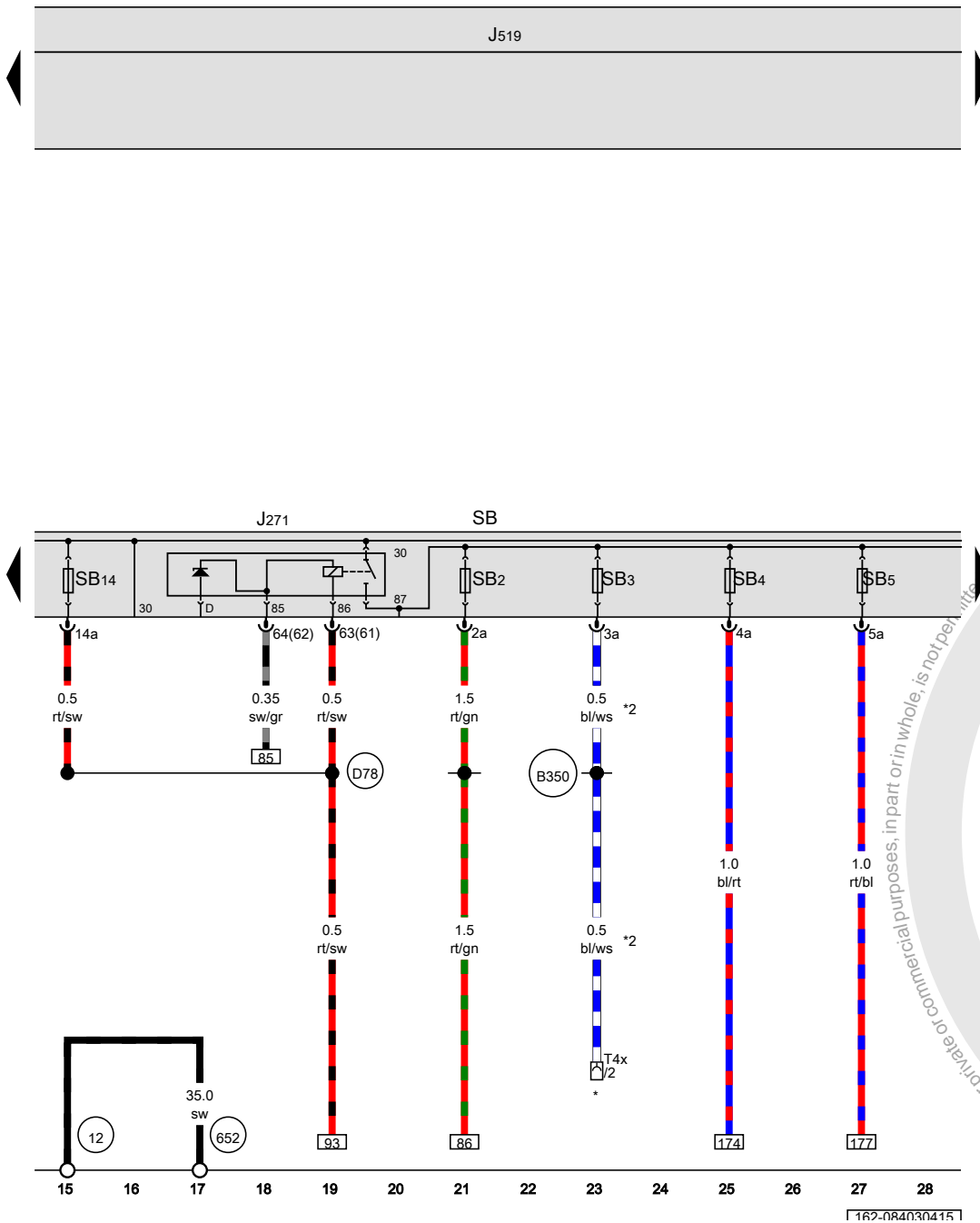
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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162-084020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T4x 4-pin connector

- 12 Earth point, on left in engine compartment
- 652 Earth point, engine and gearbox earth
- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Radiator fan connection
- *2 Wiring colour depends on equipment



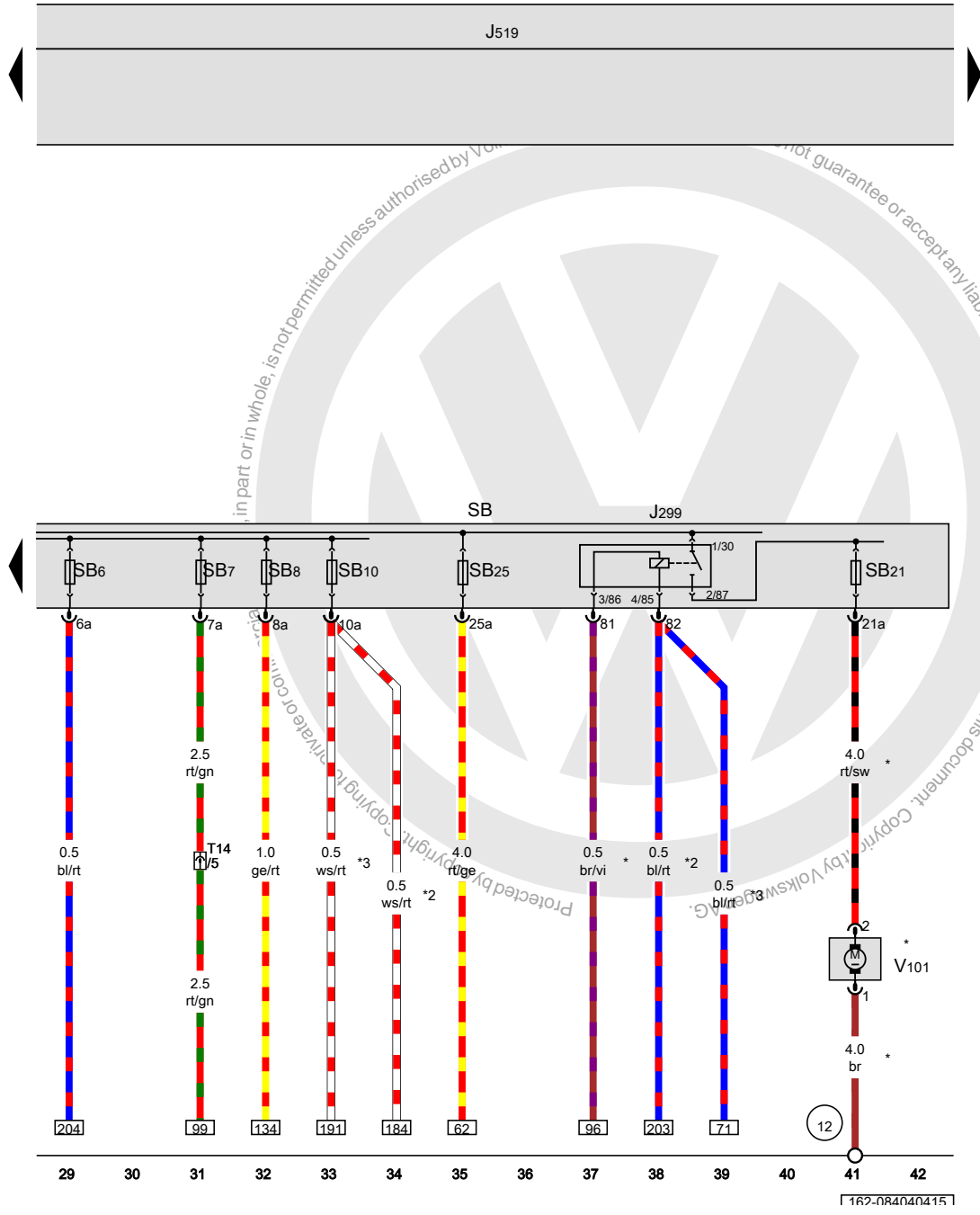
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- sw = black
- ro = red
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- gr = grey
- vi = purple
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Secondary air pump relay, Onboard supply control unit, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector, near battery
- V101 Secondary air pump motor

12 Earth point, on left in engine compartment

- * According to equipment
- *2 gradual introduction
- *3 Gradually discontinued



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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

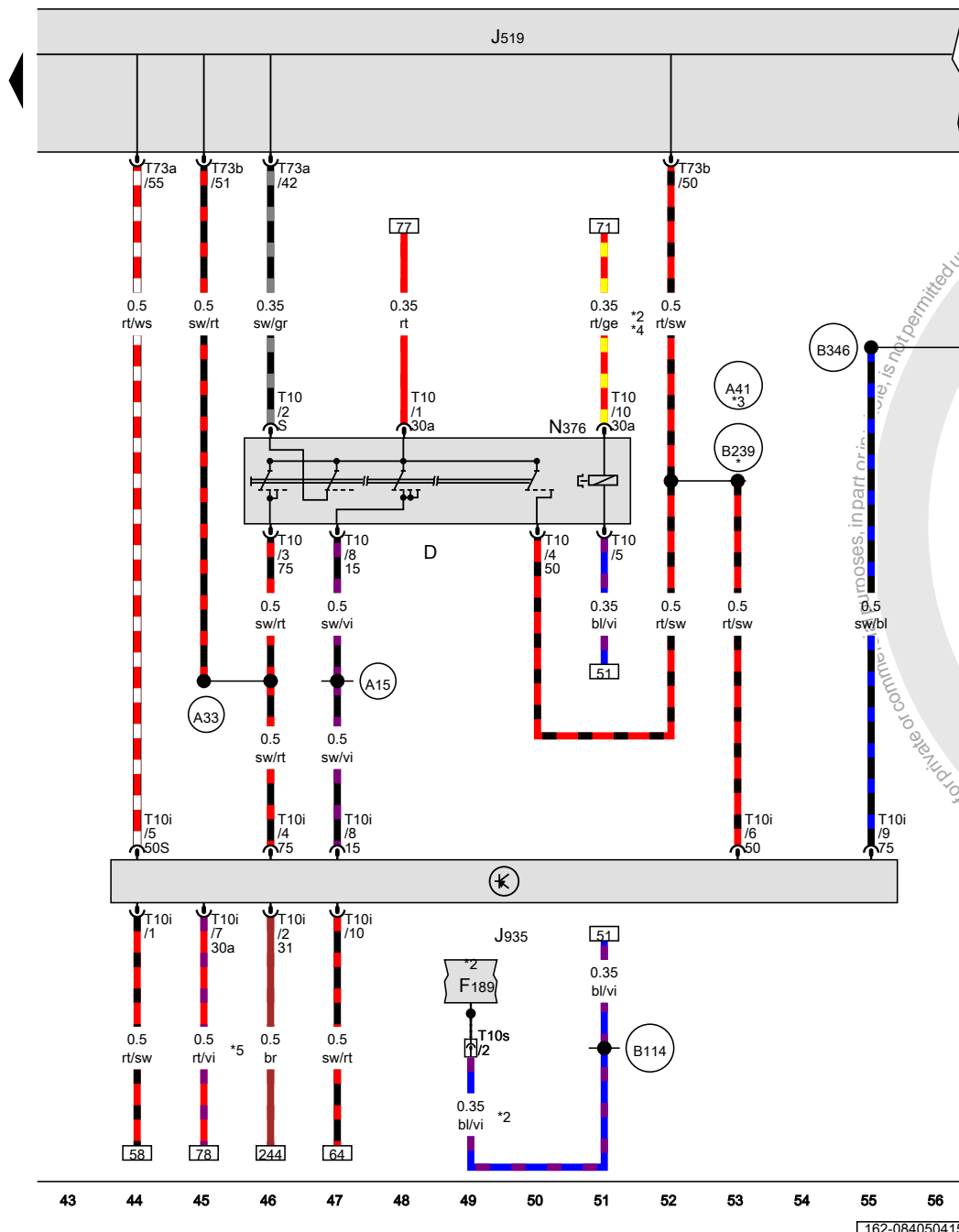
Ignition/starter switch, Onboard supply control unit, Converter box

- D Ignition/starter switch
- F189 Tiptronic switch
- J519 Onboard supply control unit
- J935 Converter box
- N376 Ignition key with drawal lock solenoid
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

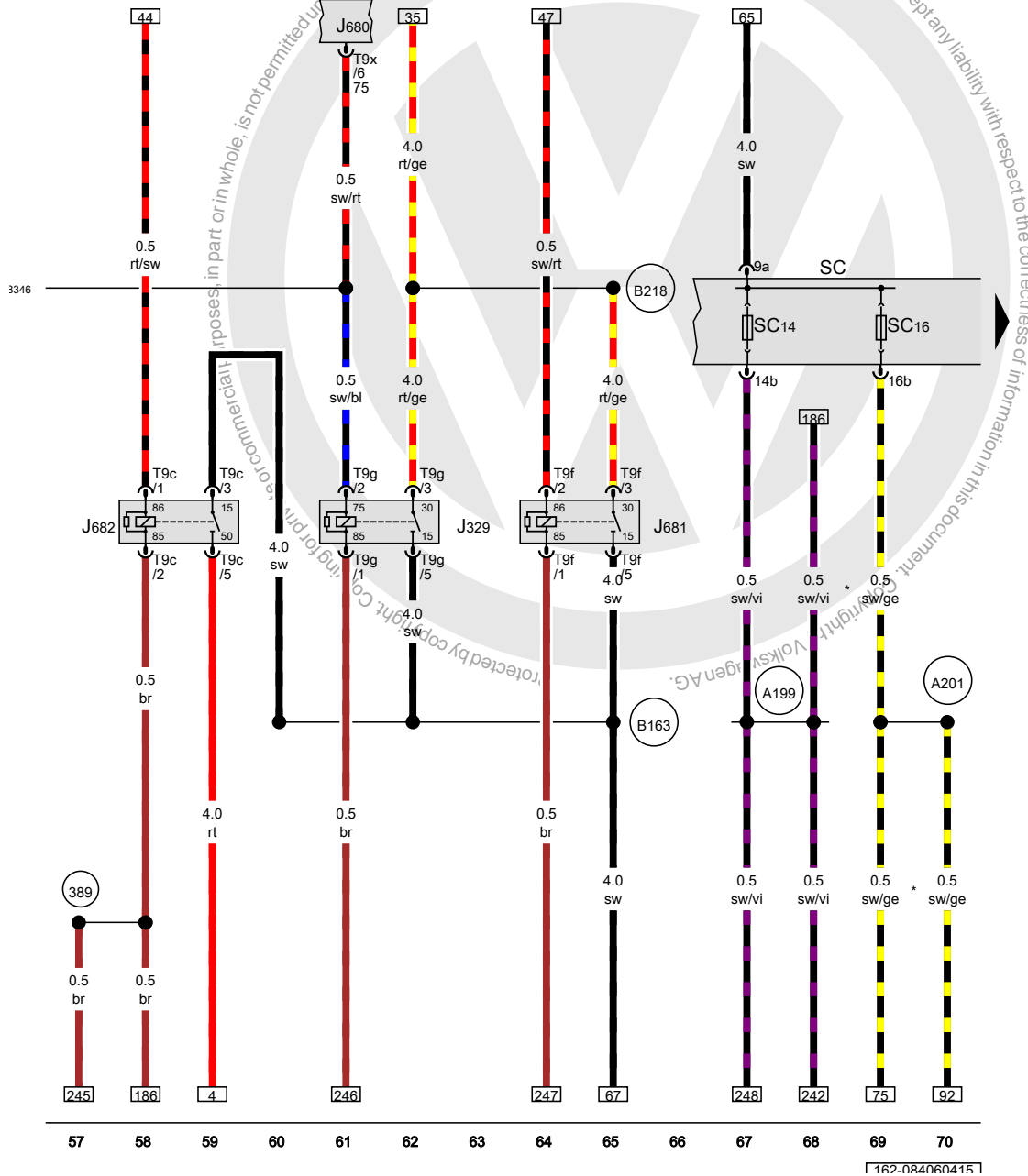
- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness

- * Up to May 2013
- *2 Only models with automatic gearbox
- *3 From June 2013
- *4 Cross section depends on equipment
- *5 Wiring colour depends on equipment

- ws = white
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- gn = green
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-084050415



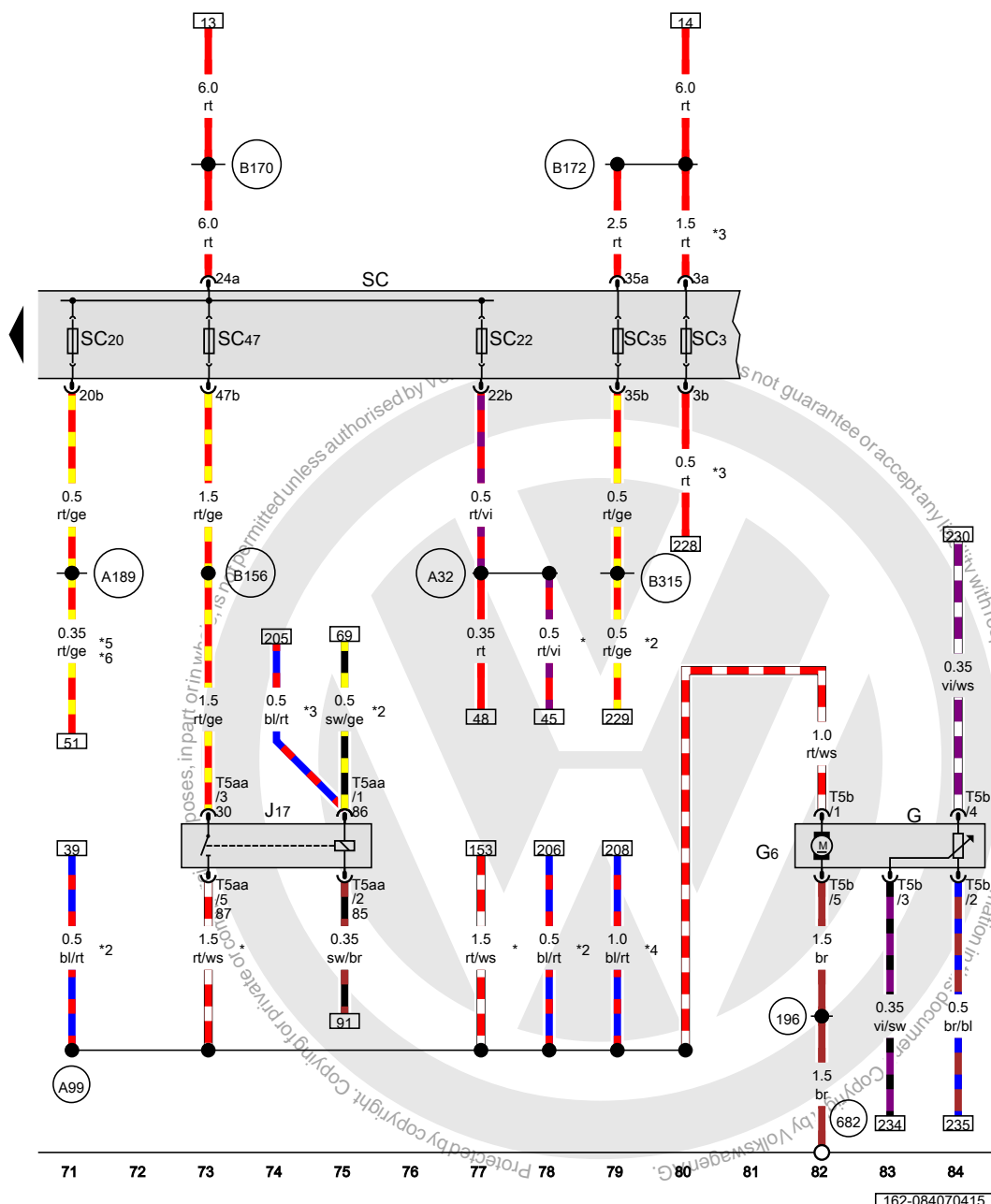
Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector

- 389 Earth connection 24, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * Gradually discontinued

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Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A99 Connection 1 (87) in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

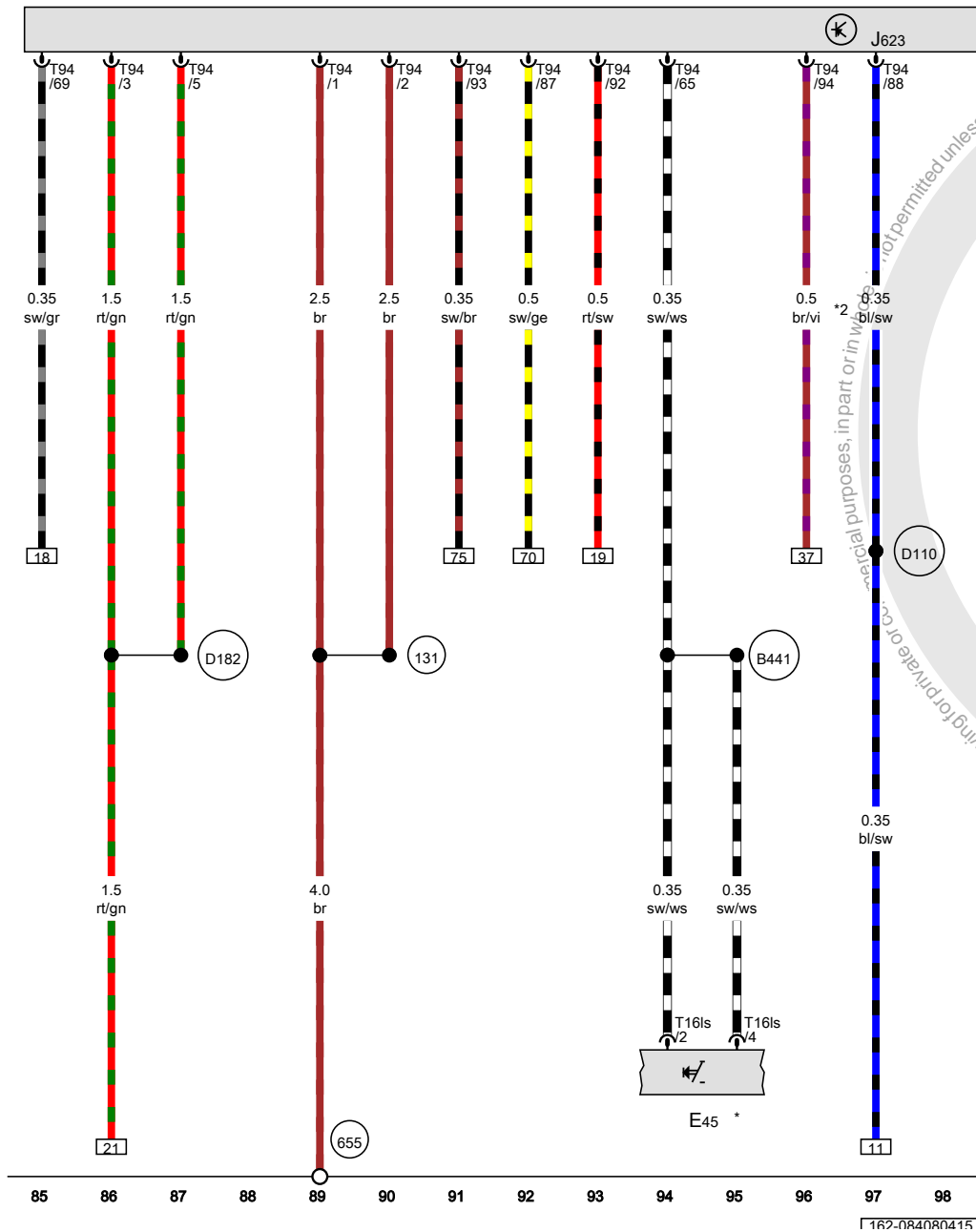
- * Wiring colour depends on equipment
- *2 Gradually discontinued
- *3 gradual introduction
- *4 According to equipment
- *5 Only models with automatic gearbox
- *6 Cross section depends on equipment

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Engine control unit

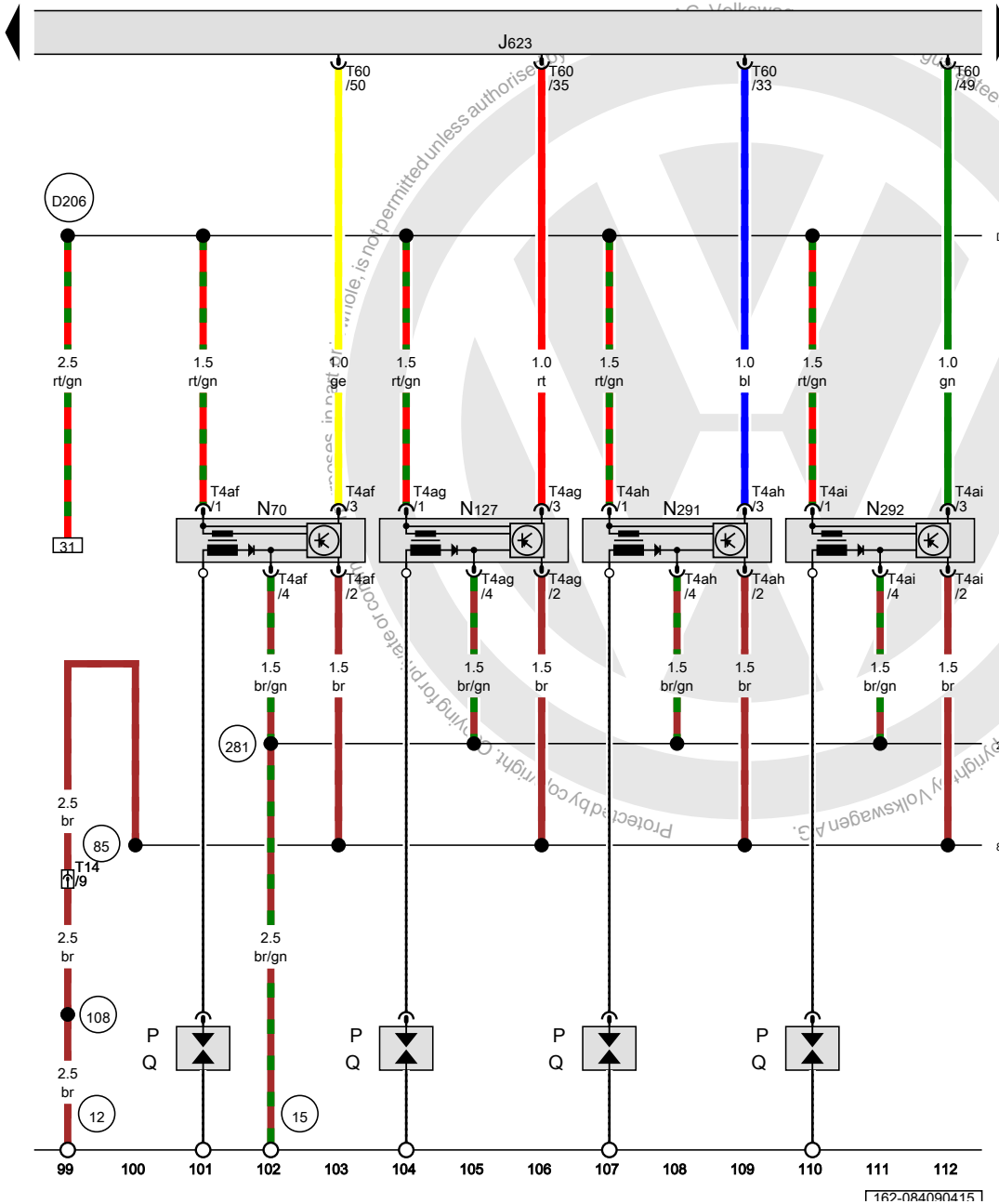
- E45 Cruise control system switch
- J623 Engine control unit
- T161s 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment



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162-084080415



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

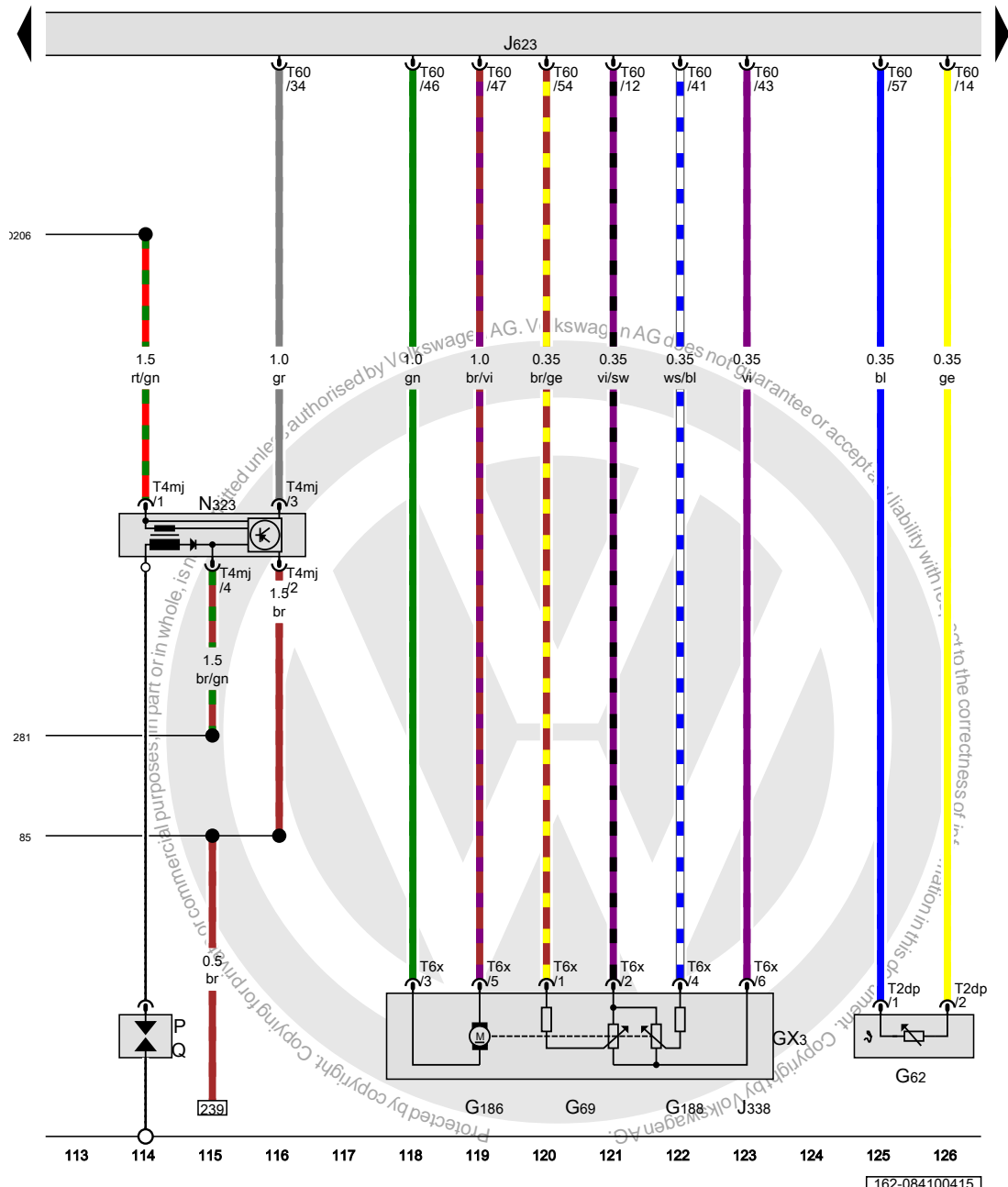
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

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162-084090415

Throttle valve module, Coolant temperature sender, Throttle valve drive for electric throttle, Engine control unit, Ignition coil 5 with output stage, Spark plug connector



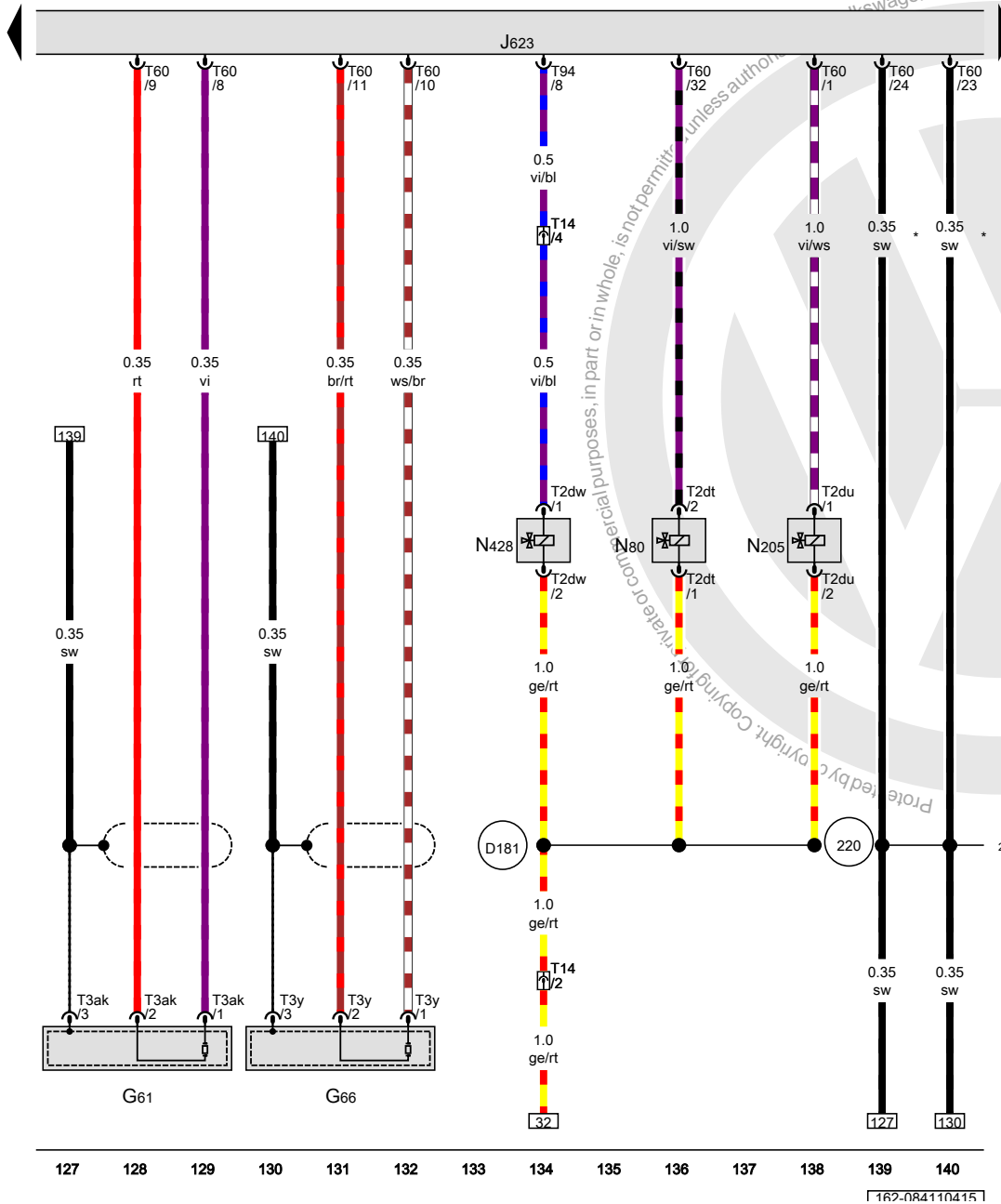
- GX3 Throttle valve module
- G62 Coolant temperature sender
- G69 Throttle valve potentiometer
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N323 Ignition coil 5 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dp 2-pin connector
- T4mj 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- (85) Earth connection 1, in engine compartment wiring harness
- (281) Earth point 1, engine prewiring harness
- (D206) Connection 4 (87a) in engine prewiring harness

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- gn = green
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- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink

162-084100415

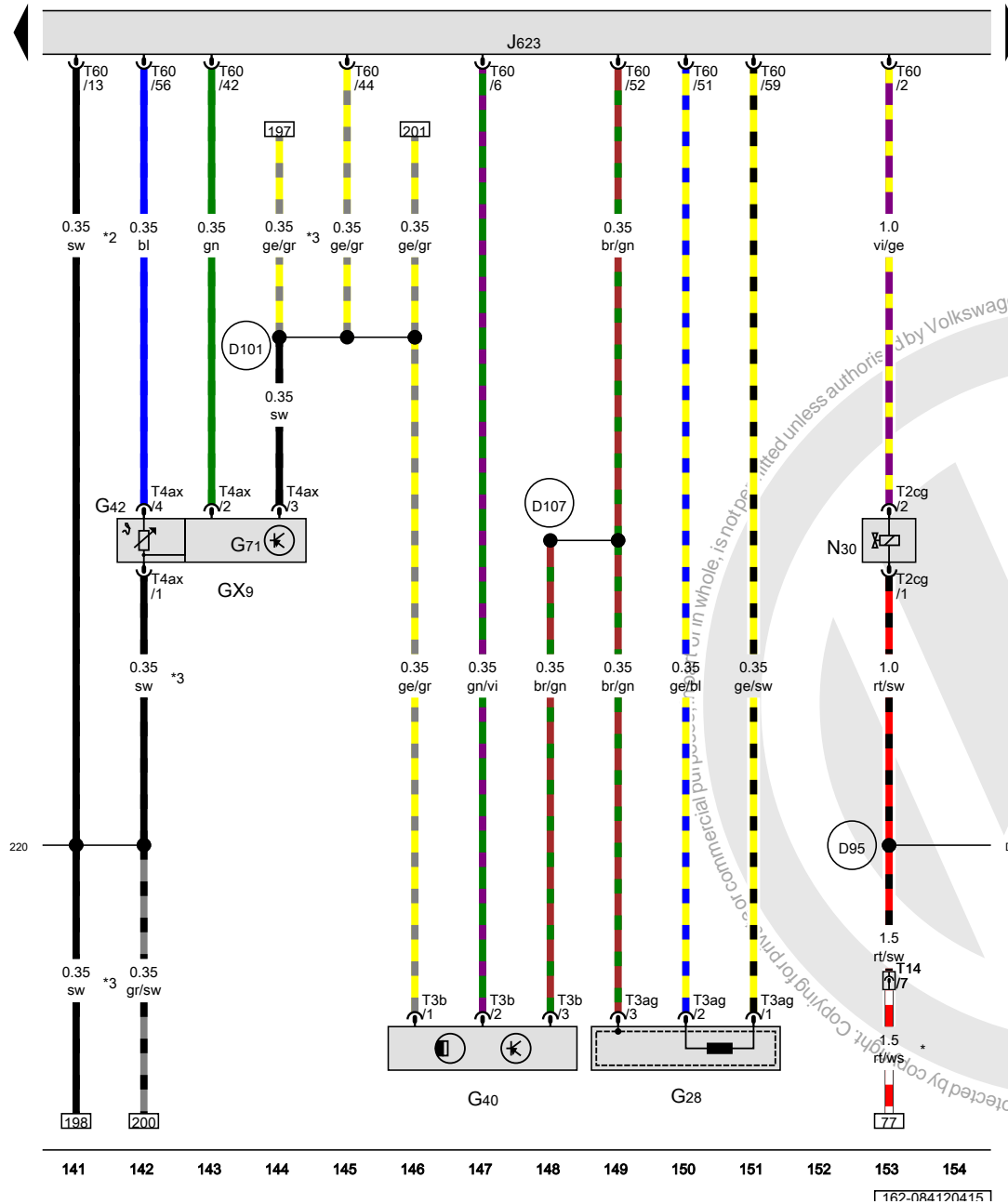
Knock sensor 1, Knock sensor 2, Engine control unit,
Activated charcoal filter solenoid valve 1, Camshaft control valve 1



- G61 Knock sensor 1
- G66 Knock sensor 2
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T3ak 3-pin connector
- T3y 3-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Estate

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Intake manifold sender, Engine speed sender, Hall sender, Intake air temperature sender, Engine control unit, Injector, cylinder 1



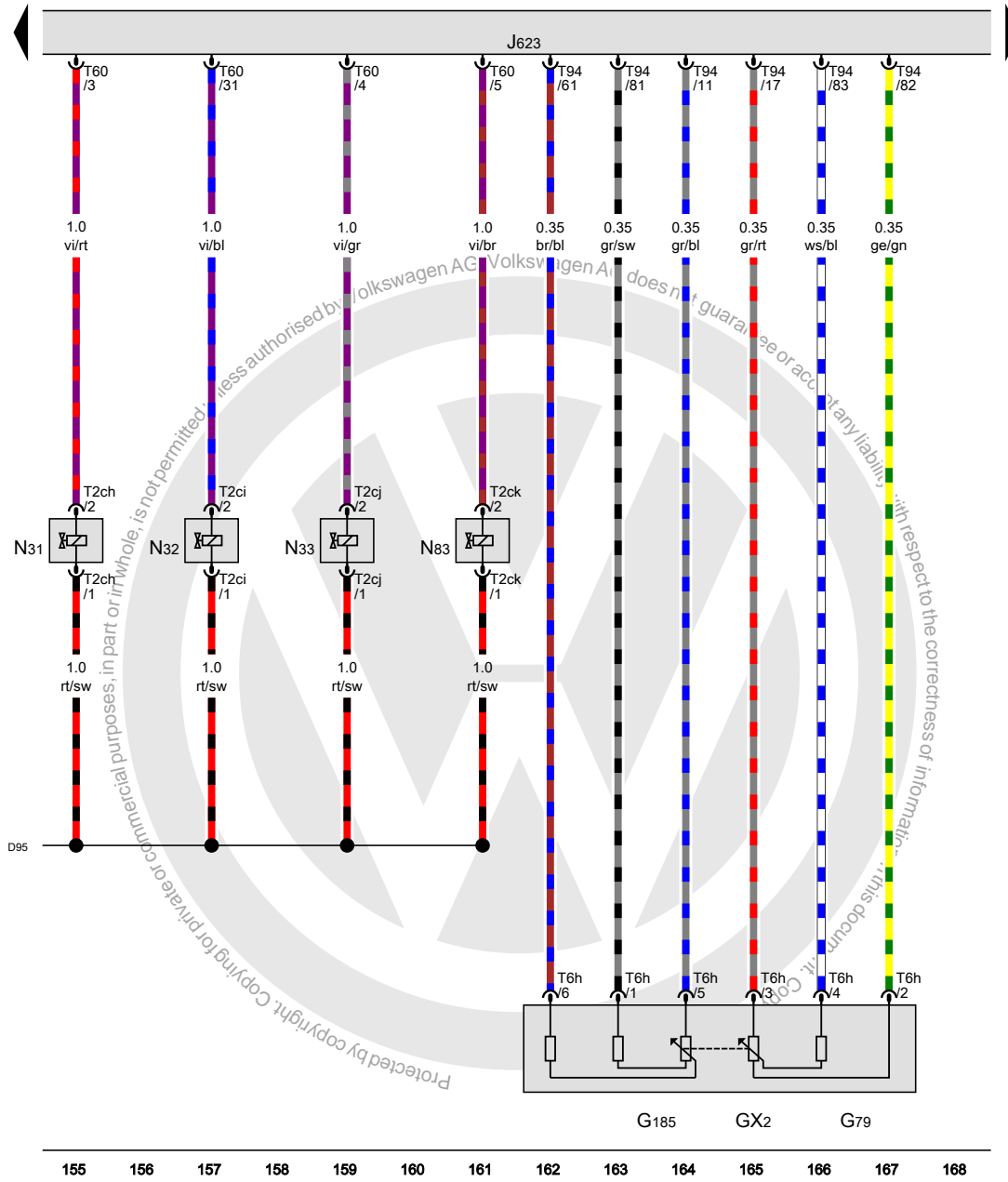
- GX9 Intake manifold sender
- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit
- N30 Injector, cylinder 1
- T2cg 2-pin connector
- T3ag 3-pin connector
- T3b 3-pin connector
- T4ax 4-pin connector
- T14 14-pin connector
- T60 60-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D95) Connection (injectors), in engine compartment wiring harness
- (D101) Connection 1 in engine compartment wiring harness
- (D107) Connection 5 in engine compartment wiring harness

- * Wiring colour depends on equipment
- *2 Only for American markets
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal module, Accelerator position sender 2, Engine control unit, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5

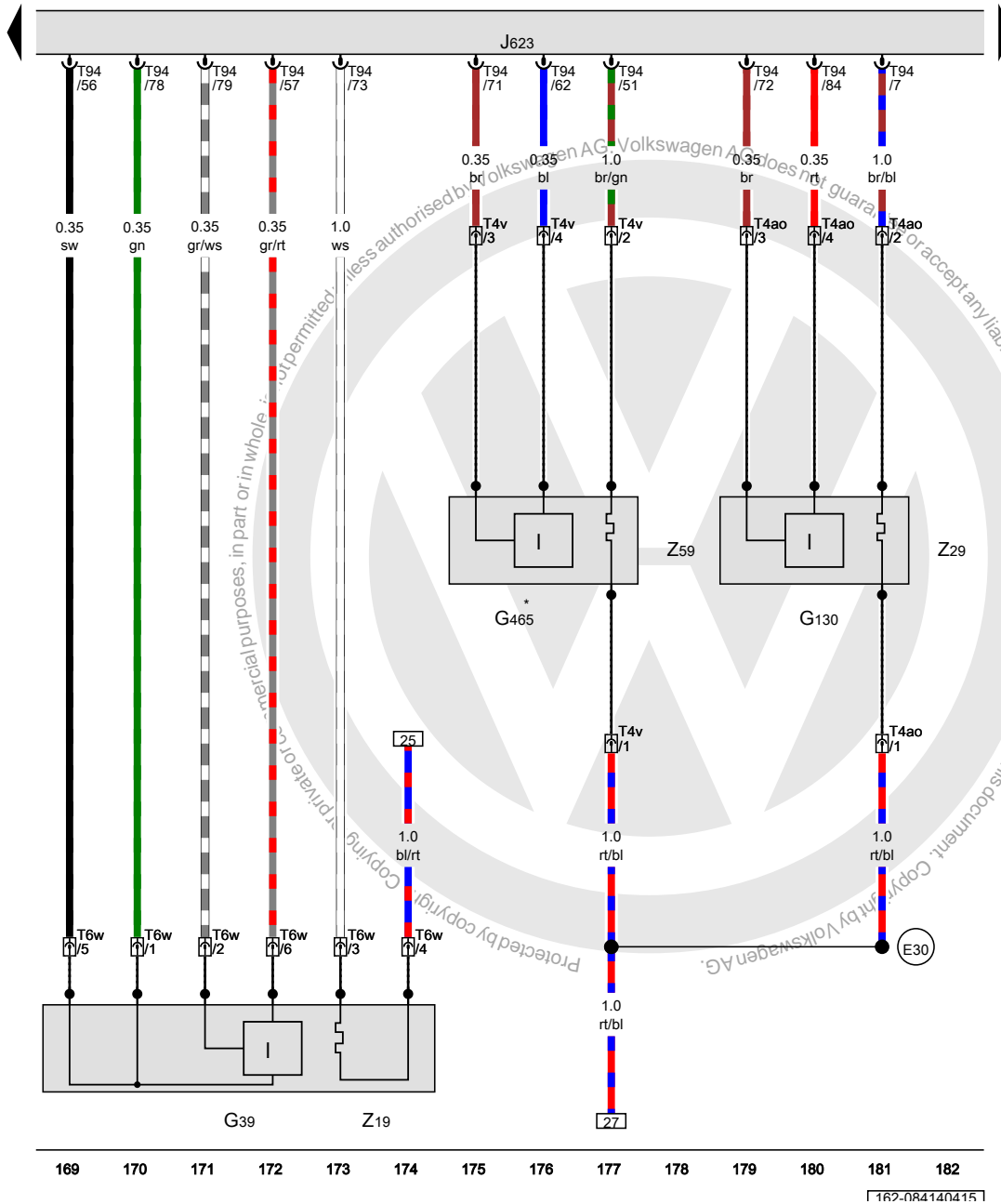


- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ck 2-pin connector
- T6h 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- D95 Connection (injectors), in engine compartment wiring harness

- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-084130415



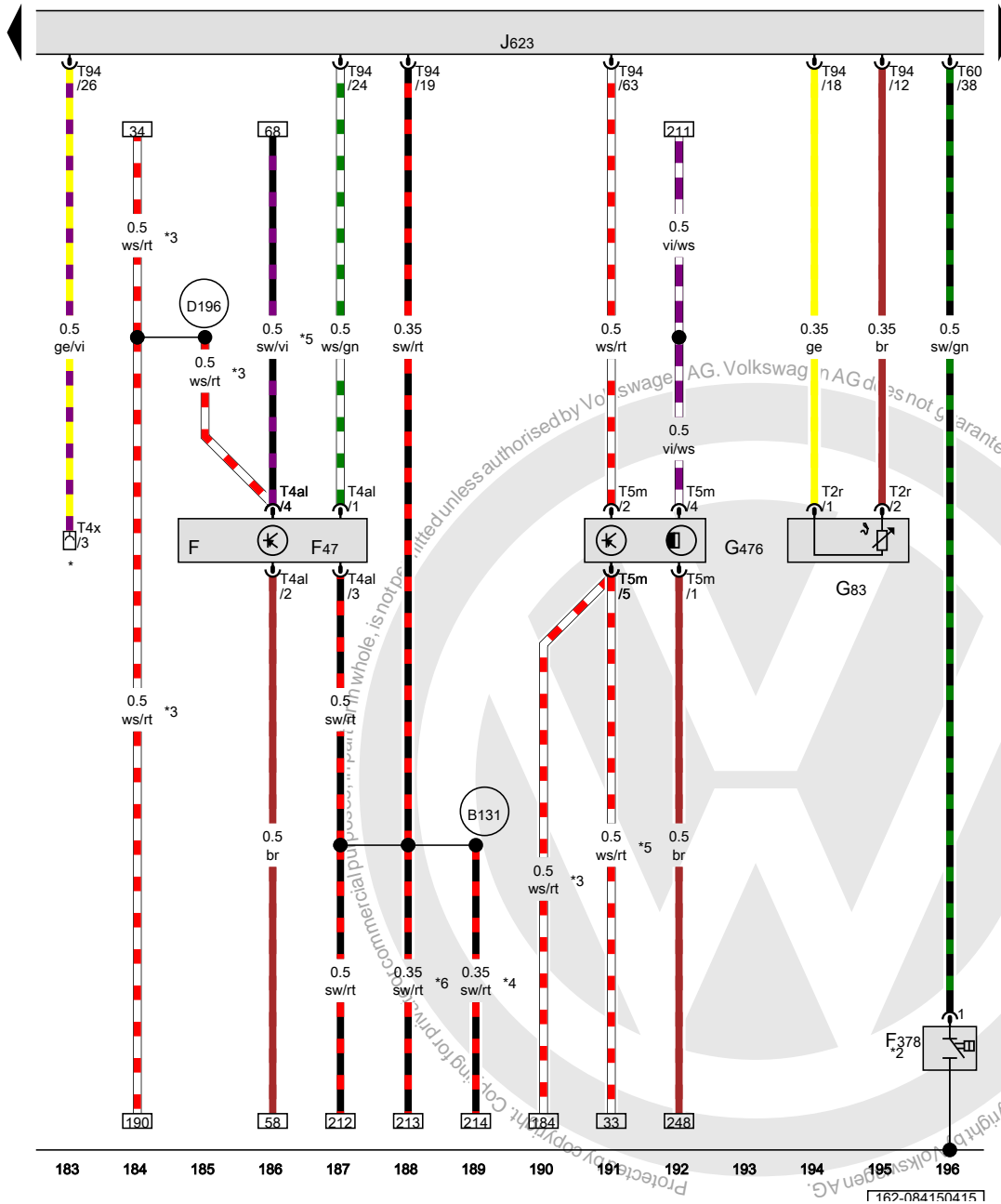
Lambda probe, Lambda probe after catalytic converter, Centre Lambda probe for bank 1 catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter, Centre Lambda probe heater for catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- G465 Centre Lambda probe for bank 1 catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T4v 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- Z59 Centre Lambda probe heater for catalytic converter

E30 Connection (87a), in engine wiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Brake light switch, Brake pedal switch, Oil pressure switch for reduced oil pressure, Radiator outlet coolant temperature sender, Clutch position sender, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- F378 Oil pressure switch for reduced oil pressure
- G83 Radiator outlet coolant temperature sender
- G476 Clutch position sender
- J623 Engine control unit
- T2r 2-pin connector
- T4al 4-pin connector
- T4x 4-pin connector
- T5m 5-pin connector
- T60 60-pin connector
- T94 94-pin connector

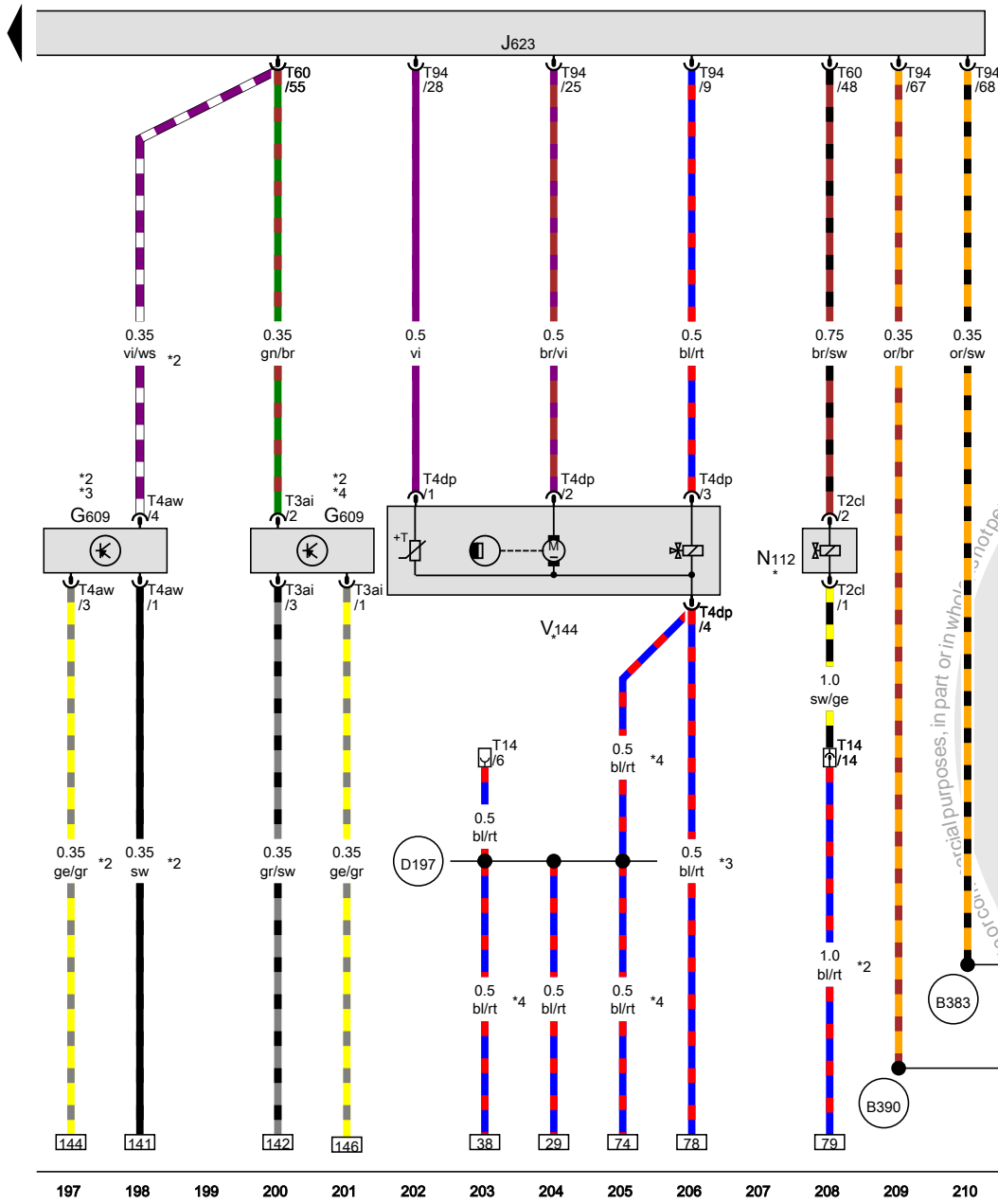
(B131) Connection (54), in interior wiring harness

(D196) Connection 2 (87a) in engine prewiring harness

- * Radiator fan connection
- *2 According to equipment
- *3 gradual introduction
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *5 Gradually discontinued
- *6 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Sender 1 for secondary air pressure, Engine control unit, Secondary air inlet valve, Fuel system diagnostic pump

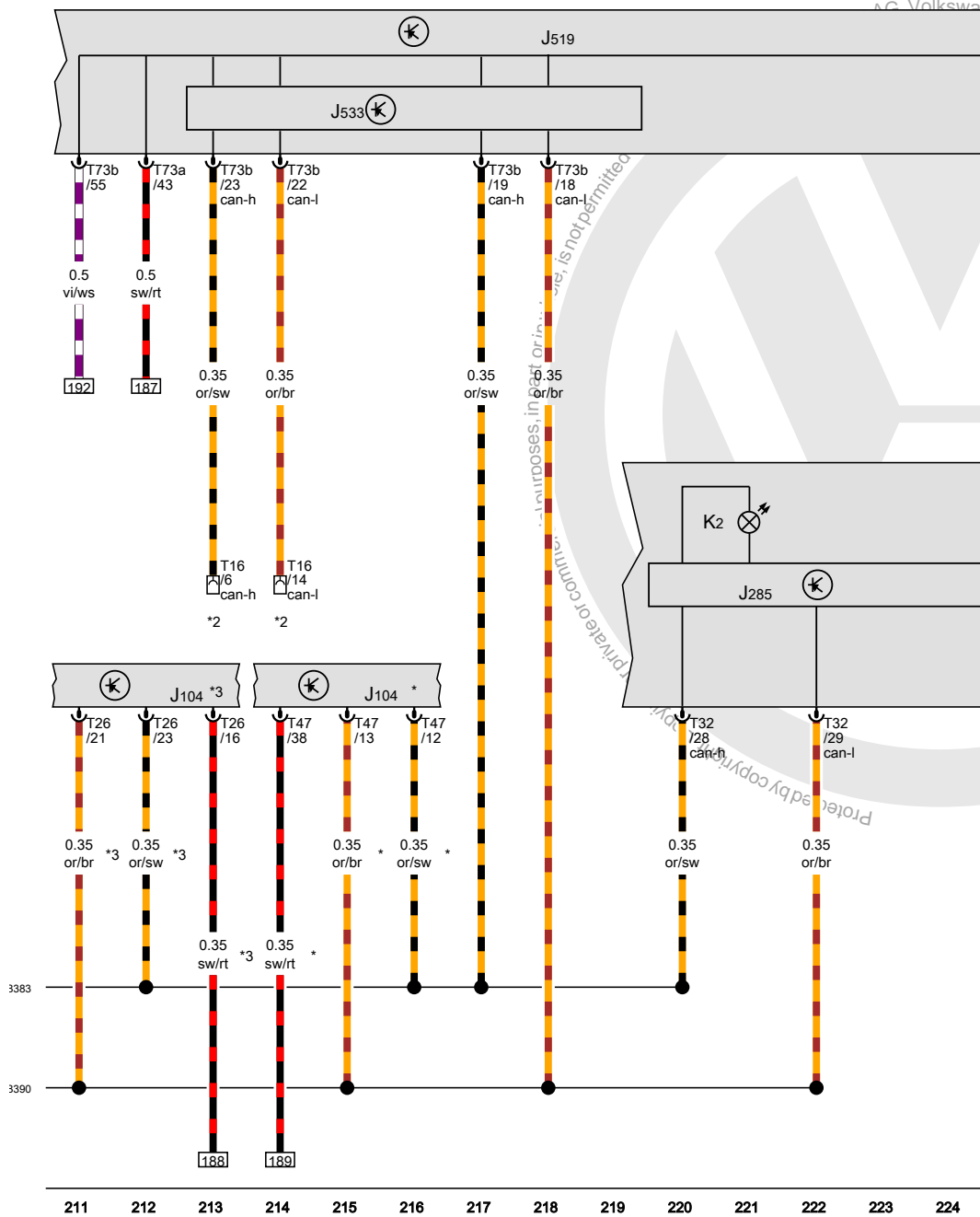


- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T2cl 2-pin connector
- T3ai 3-pin connector
- T4aw 4-pin connector
- T4dp 4-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness
- * If fitted
- *2 According to equipment
- *3 Gradually discontinued
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-084160415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp

- J104 ABS control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- T16 16-pin connector
- T26 26-pin connector
- T32 32-pin connector
- T47 47-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 Diagnostic connection

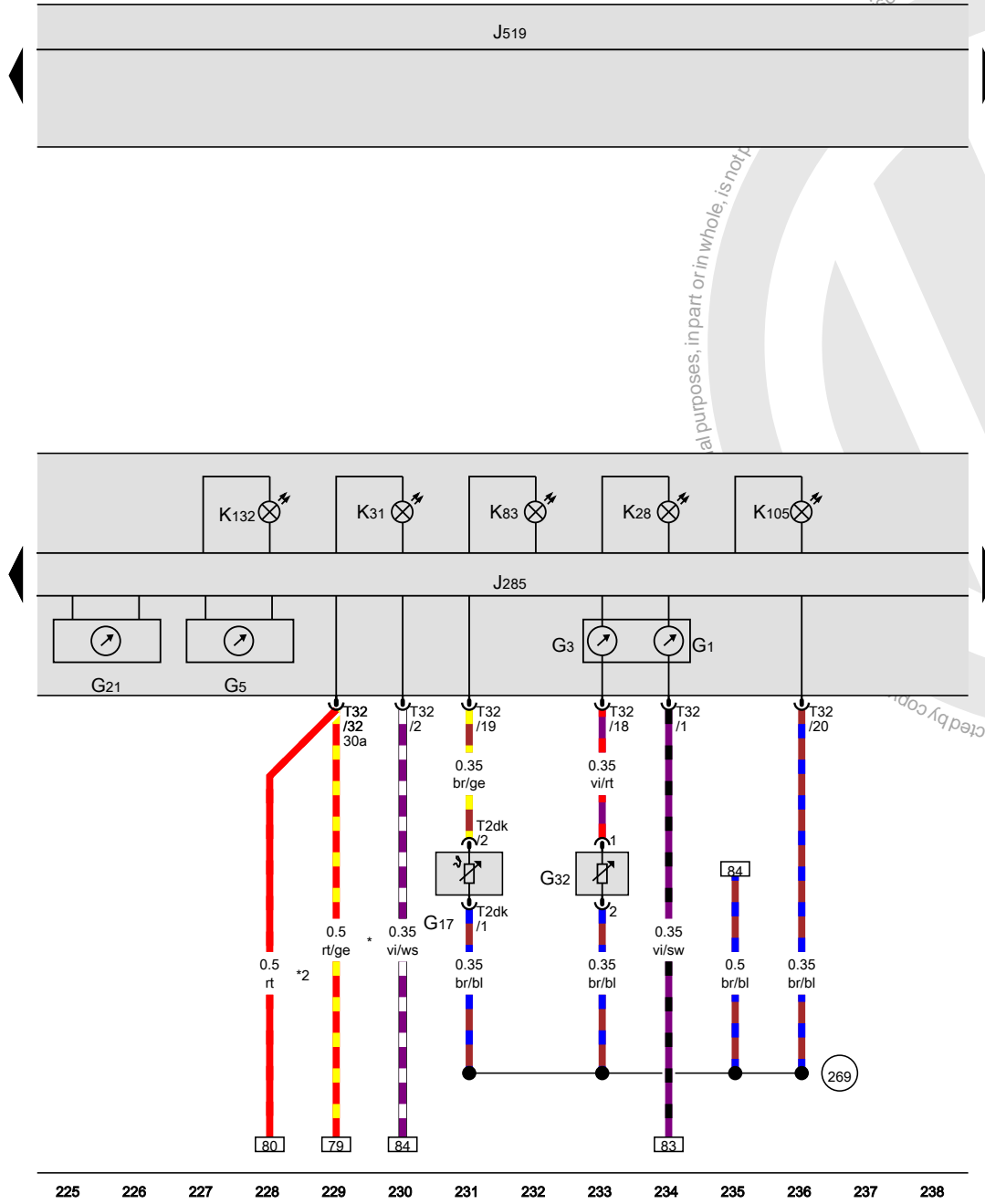
*3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G17 Ambient temperature sensor
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T2dk 2-pin connector
- T32 32-pin connector

- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- * Gradually discontinued
- *2 gradual introduction



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- vi = purple
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- or = orange
- rs = pink

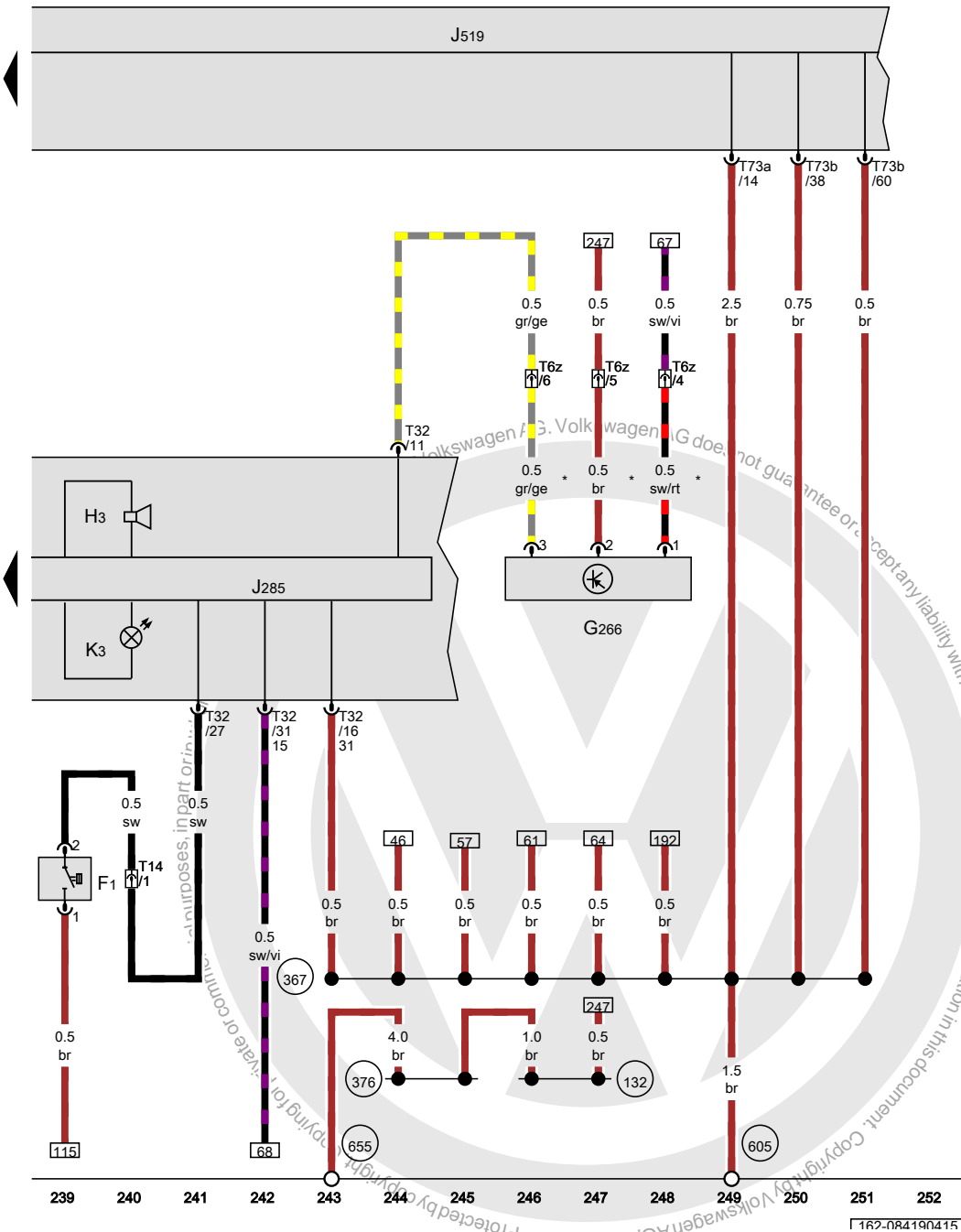
225 226 227 228 229 230 231 232 233 234 235 236 237 238

162-084180415

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- * Only models with flexible service interval display



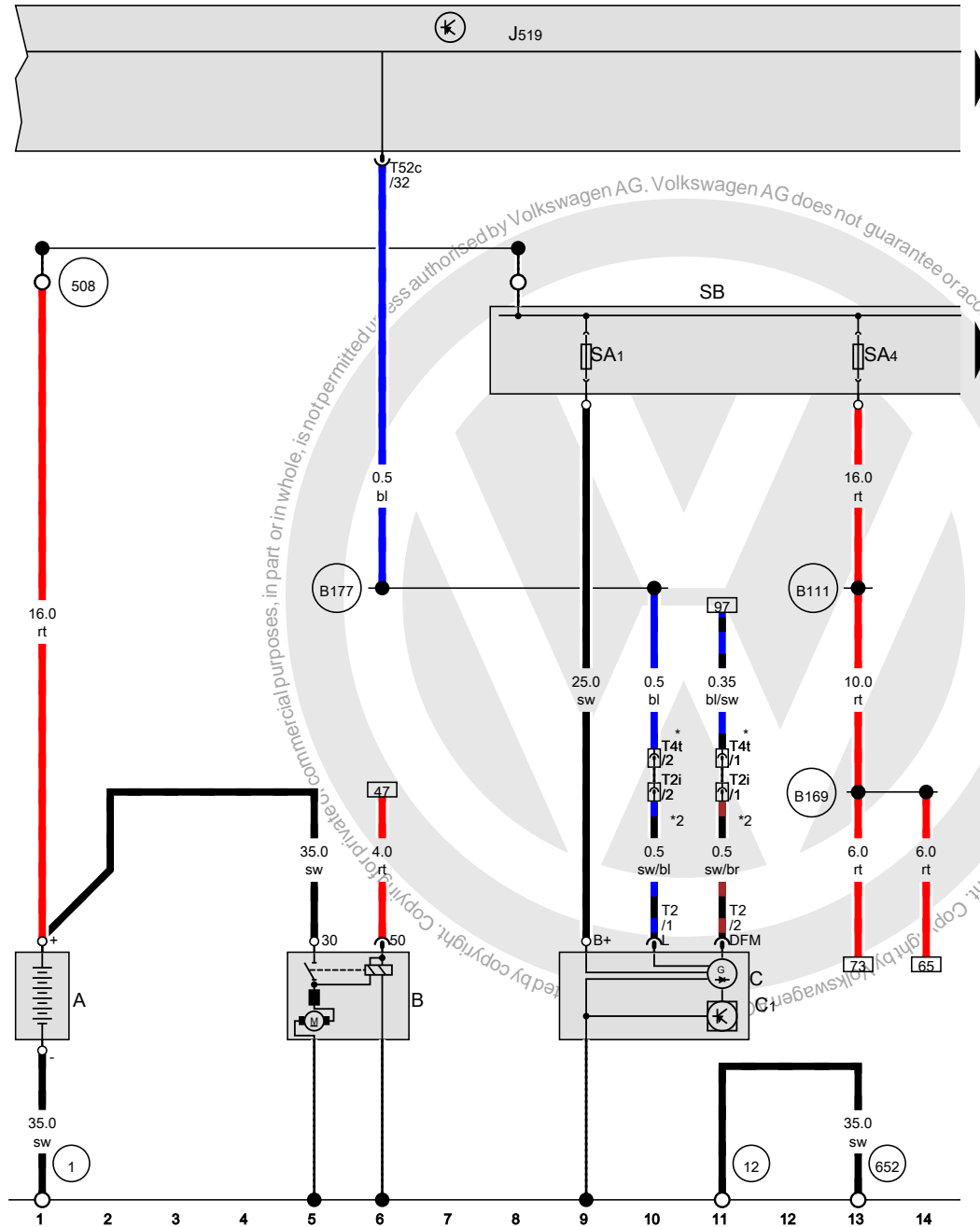
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- gn = green
- bl = blue
- gr = grey
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- ge = yellow
- or = orange
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2.5l petrol engine, High (AW1) , CBTA

From June 2011



Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

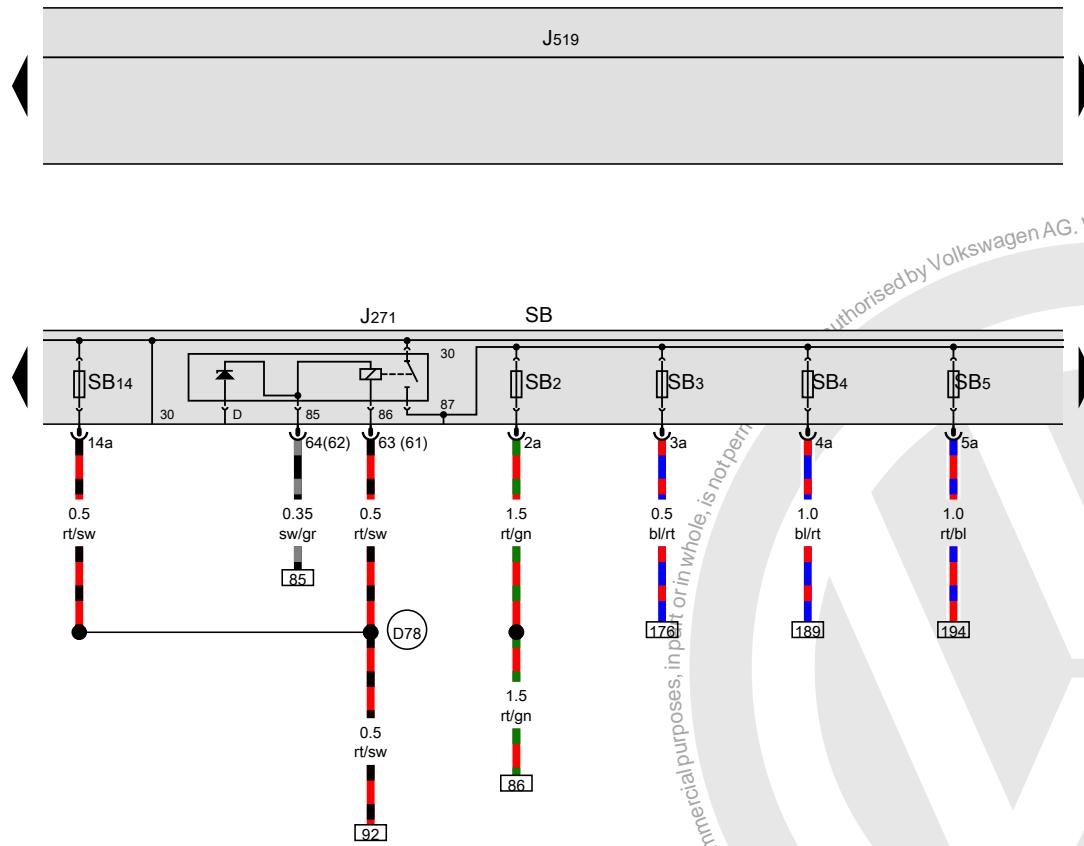
* Only models with air conditioning system
 *2 Only models with no air conditioning system

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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-085020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- (D78) Positive connection 1 (30a), in engine compartment wiring harness



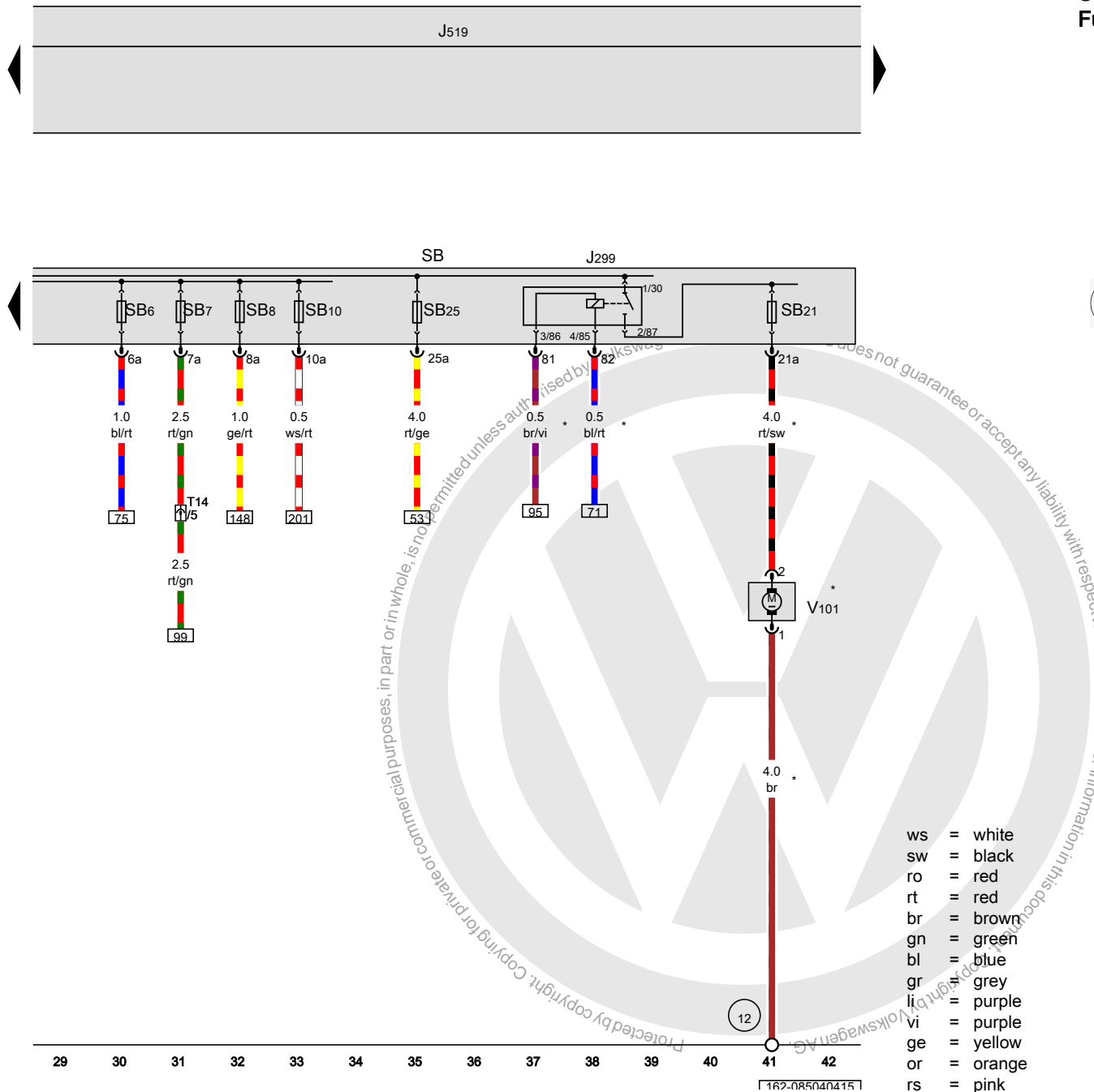
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

[162-085030415]

Secondary air pump relay, Onboard supply control unit, Fuse holder B, Secondary air pump motor

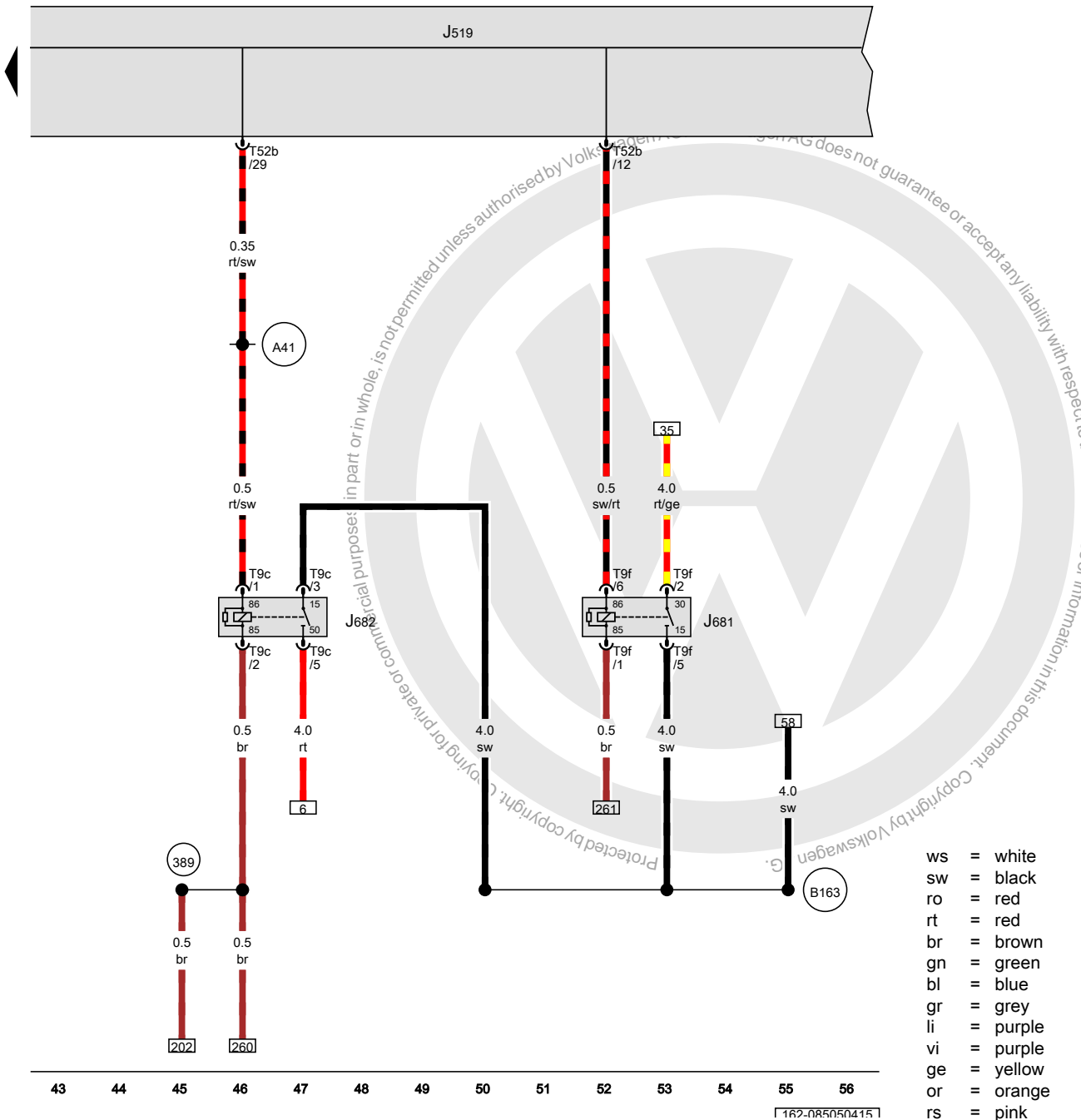
- J299 Secondary air pump relay
 - J519 Onboard supply control unit
 - SB Fuse holder B
 - SB6 Fuse 6 on fuse holder B
 - SB7 Fuse 7 on fuse holder B
 - SB8 Fuse 8 on fuse holder B
 - SB10 Fuse 10 on fuse holder B
 - SB21 Fuse 21 on fuse holder B
 - SB25 Fuse 25 on fuse holder B
 - T14 14-pin connector
 - V101 Secondary air pump motor
- 12 Earth point, on left in engine compartment
- * According to equipment



Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- (389) Earth connection 24, in main wiring harness
- (A41) Positive connection (50), in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness



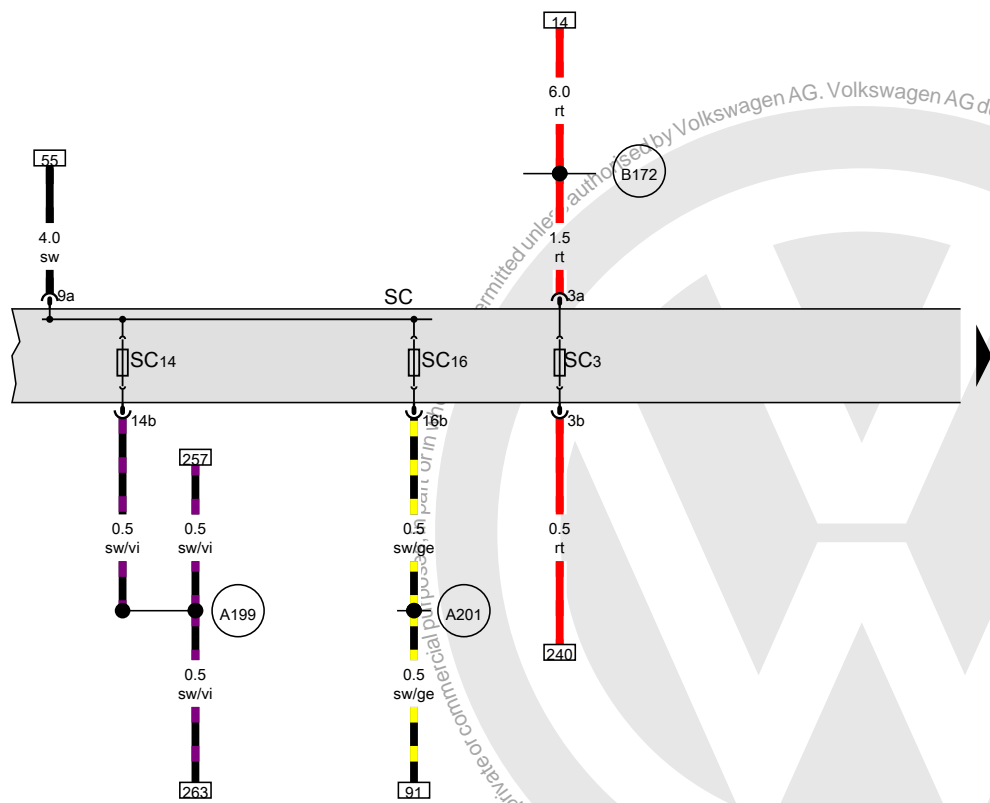
43 44 45 46 47 48 49 50 51 52 53 54 55 56

[162-085050415]

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C

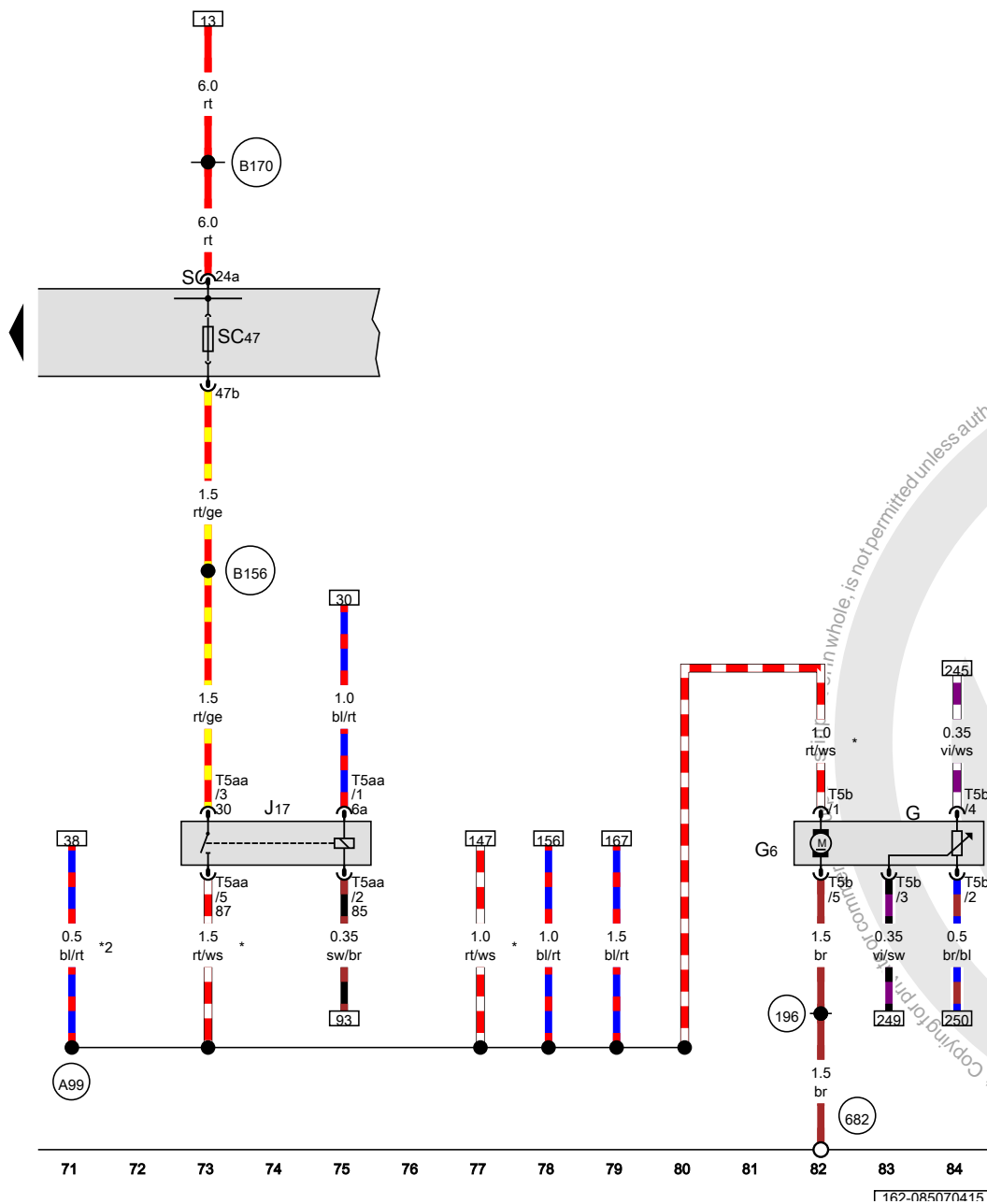
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness



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- gr = grey
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- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector
- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A99 Connection 1 (87) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- * Wiring colour depends on equipment
- *2 According to equipment

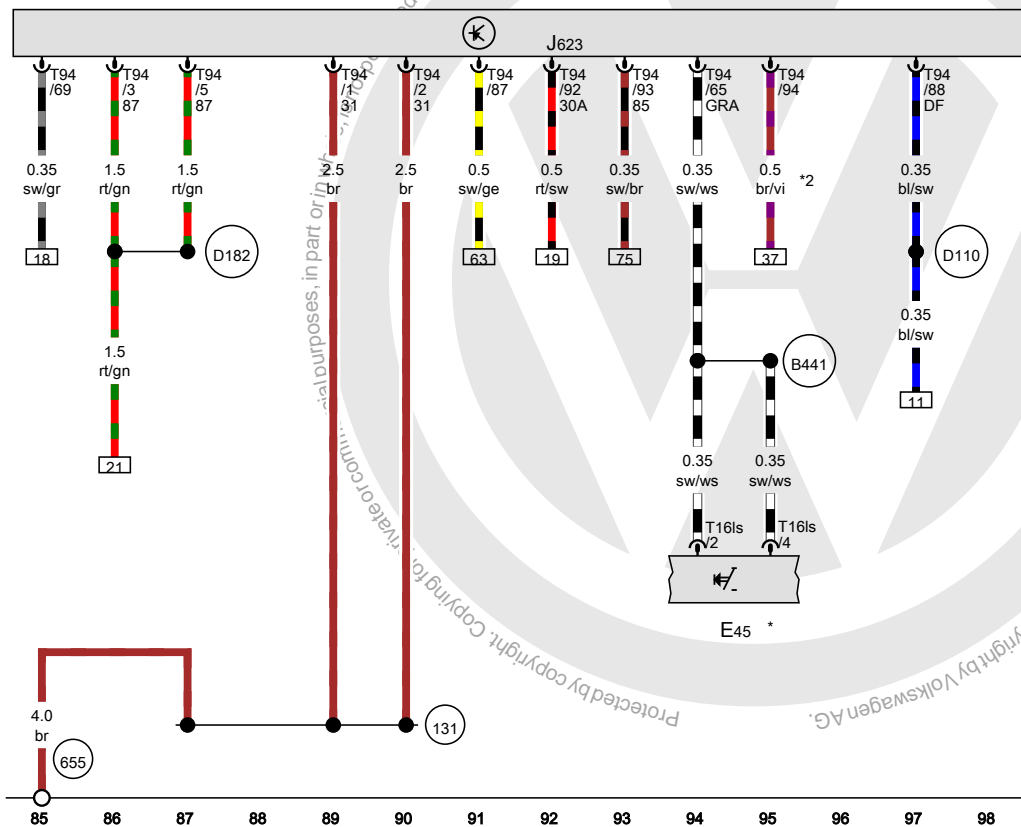
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit

- E45 Cruise control system switch
- J623 Engine control unit
- T161s 16-pin connector
- T94 94-pin connector

- (131) Earth connection 2, in engine compartment wiring harness
- (655) Earth point, on left headlight
- (B441) Connection (CCS), in main wiring harness
- (D110) Connection 8 in engine compartment wiring harness
- (D182) Connection 3 (87a) in engine compartment wiring harness

* Only models with cruise control system (CCS)
 *2 According to equipment



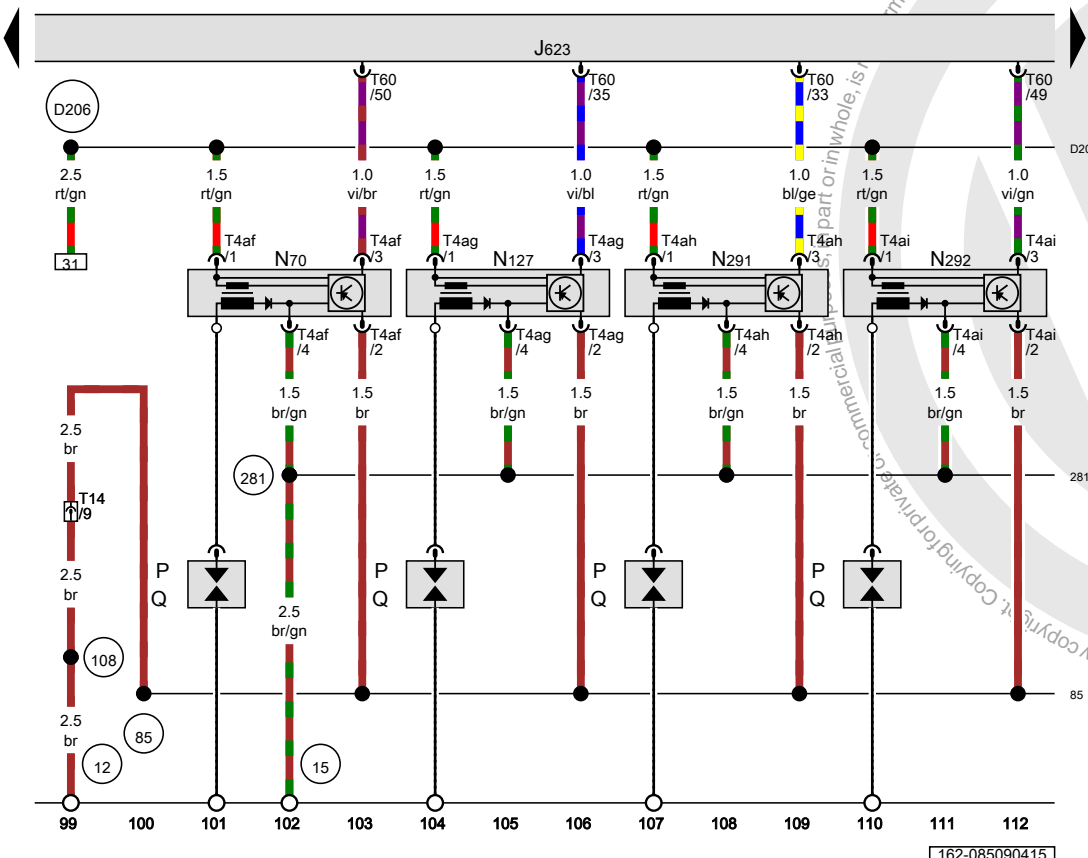
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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

[162-085080415]

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



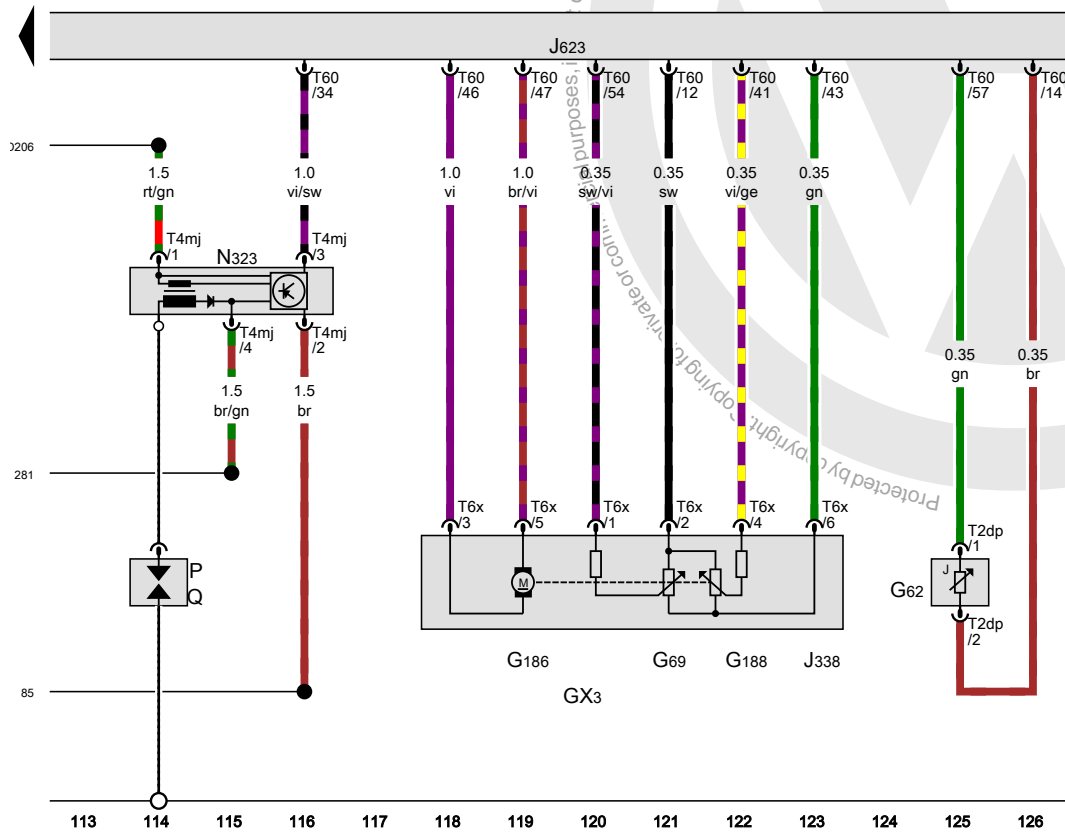
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-085090415

Throttle valve module, Coolant temperature sender, Throttle valve drive for electric throttle, Engine control unit, Ignition coil 5 with output stage, Spark plug connector

- GX3 Throttle valve module
- G62 Coolant temperature sender
- G69 Throttle valve potentiometer
- G186 Throttle valve drive for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N323 Ignition coil 5 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dp 2-pin connector
- T4mj 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



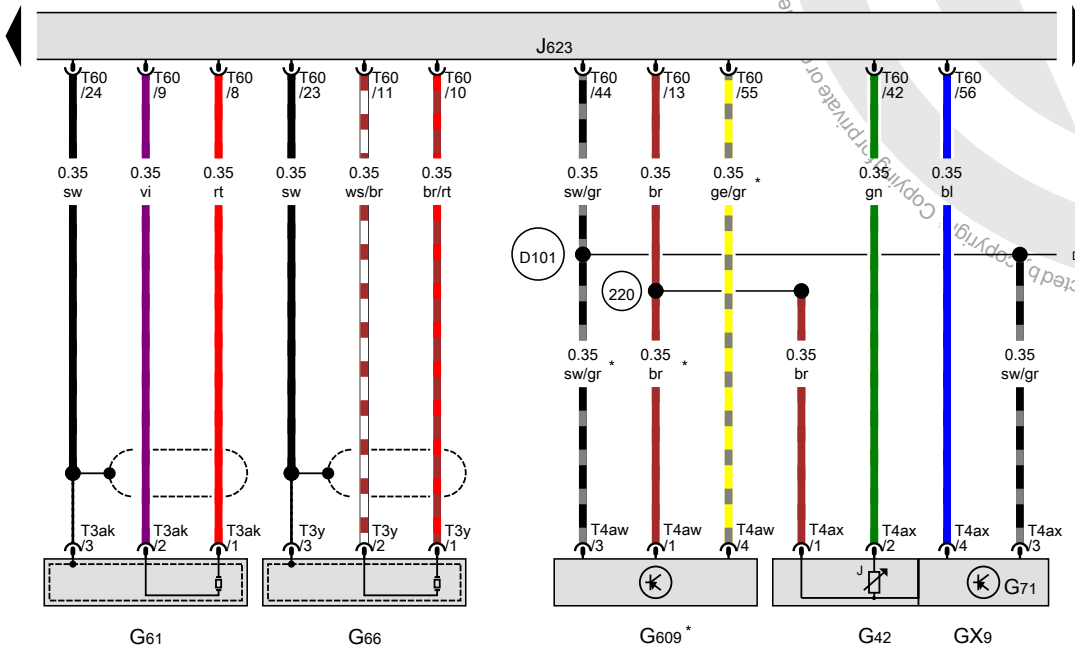
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-085100415

Intake manifold sender, Intake air temperature sender, Knock sensor 1, Knock sensor 2, Sender 1 for secondary air pressure, Engine control unit

- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G66 Knock sensor 2
- G71 Intake manifold pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- T3ak 3-pin connector
- T3y 3-pin connector
- T4aw 4-pin connector
- T4ax 4-pin connector
- T60 60-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

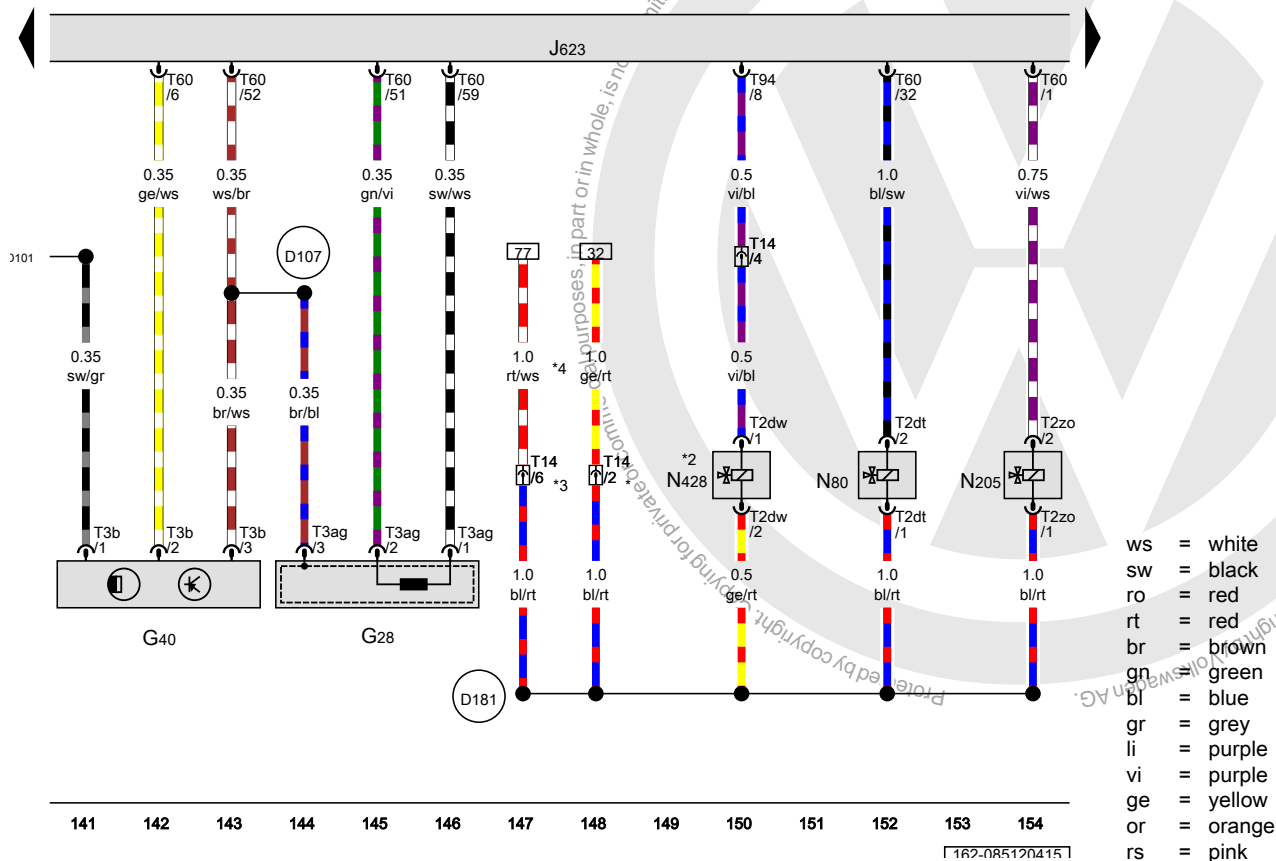
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[162-085110415]

Engine speed sender, Hall sender, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Valve for oil pressure control

- G28 Engine speed sender
- G40 Hall sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2dw 2-pin connector
- T2zo 2-pin connector
- T3ag 3-pin connector, grey
- T3b 3-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- * gradual introduction
- *2 According to equipment
- *3 Gradually discontinued
- *4 Wiring colour depends on equipment



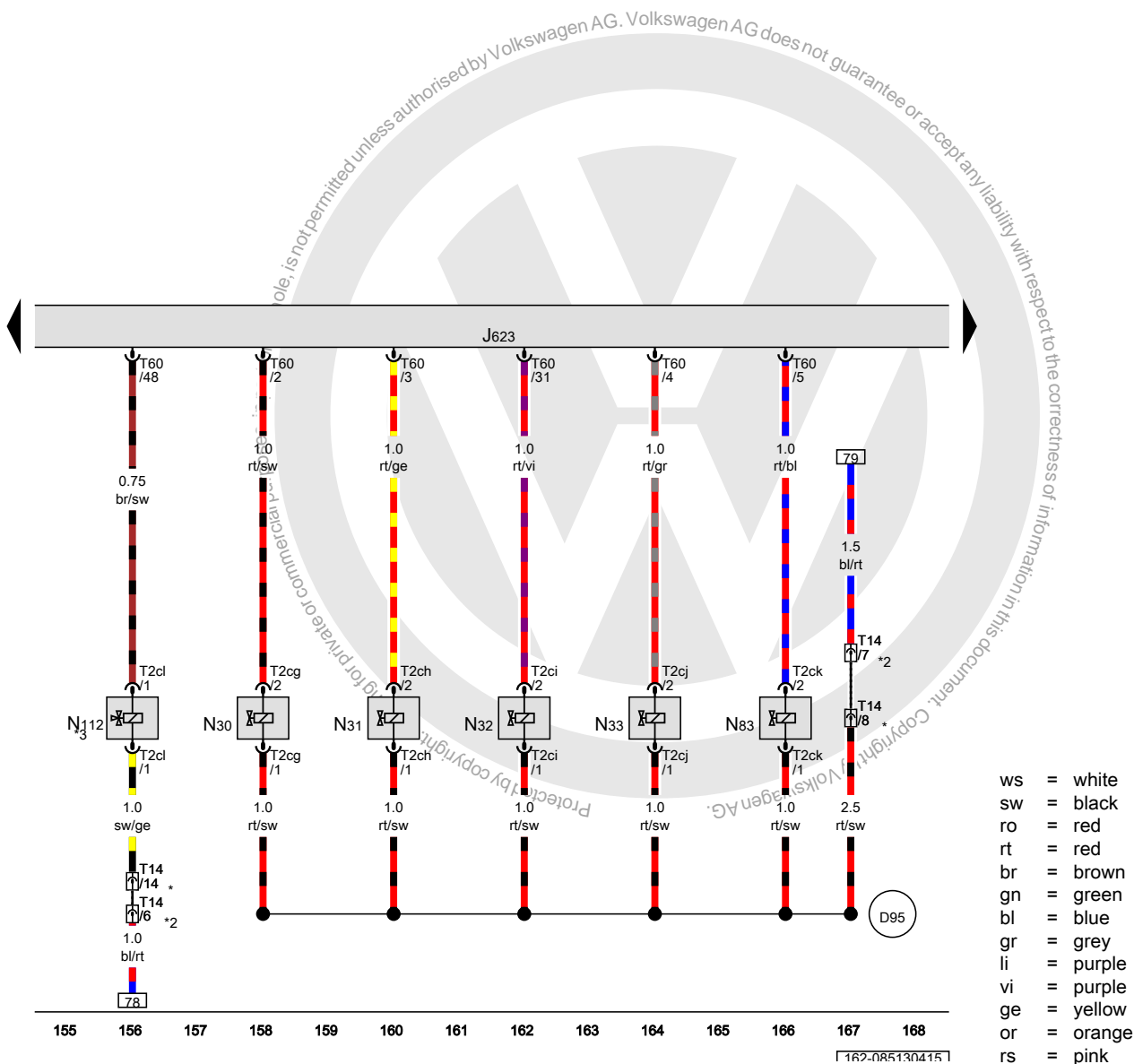
162-085120415

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5, Secondary air inlet valve

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- N112 Secondary air inlet valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ck 2-pin connector
- T2cl 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

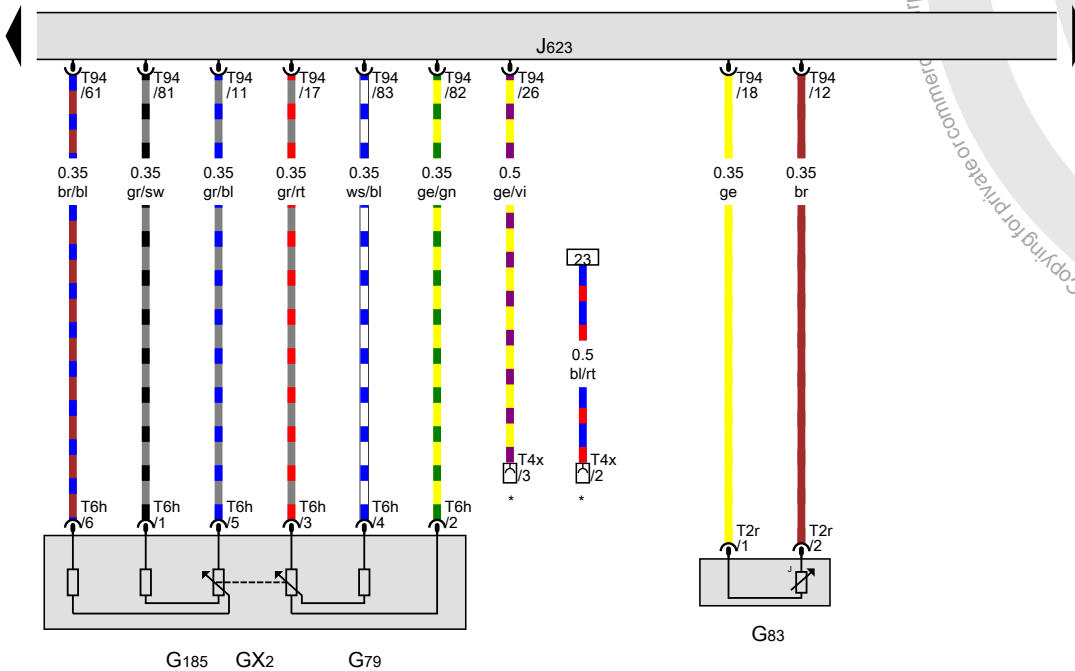
D95 Connection (injectors), in engine compartment wiring harness

- * Gradually discontinued
- *2 gradual introduction
- *3 According to equipment



Accelerator pedal module, Radiator outlet coolant temperature sender, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T2r 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector
- * Radiator fan connection



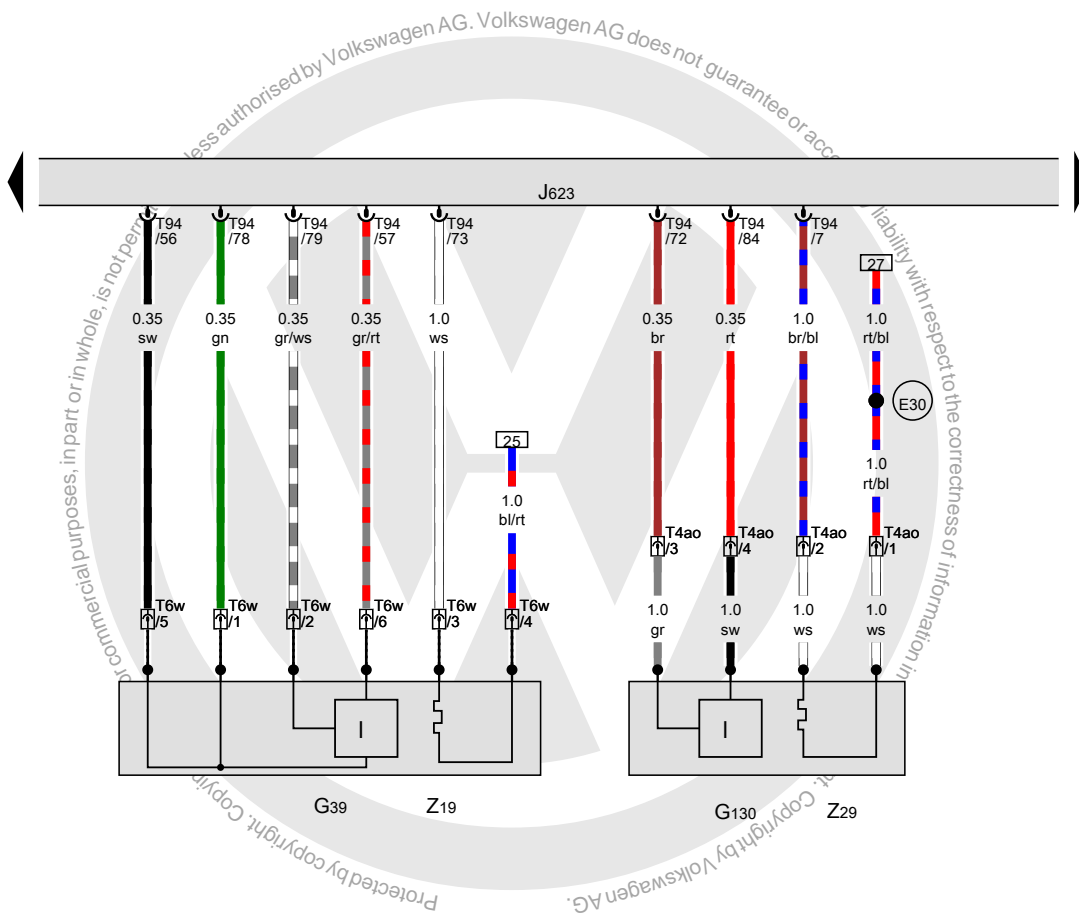
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- rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

169-085140415

Lambda probe, Lambda probe after catalytic converter, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-085150415]

Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

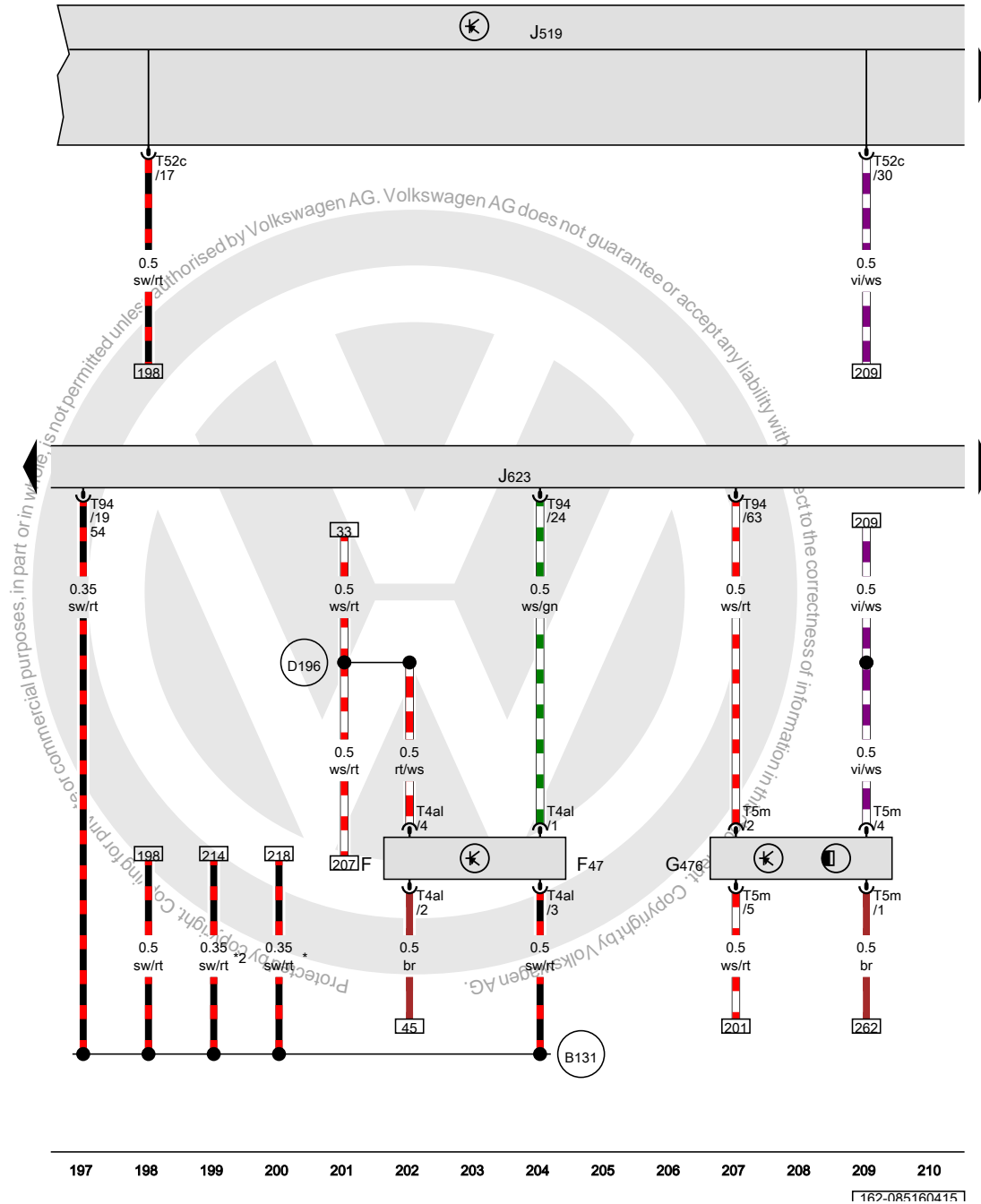
- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

D196 Connection 2 (87a) in engine prewiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 Only models with ABS and no ESP



[162-085160415]

Onboard supply control unit, Engine control unit

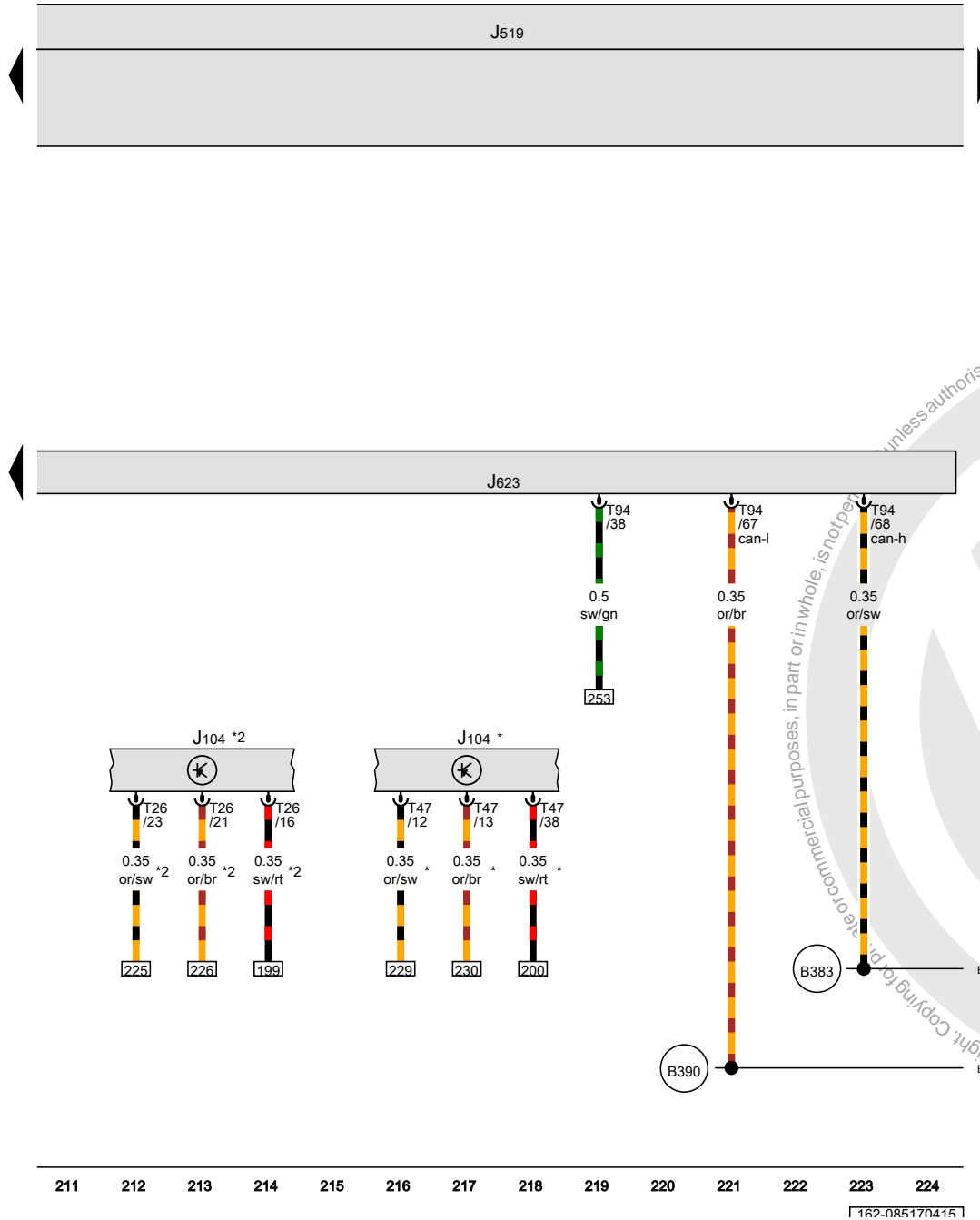
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

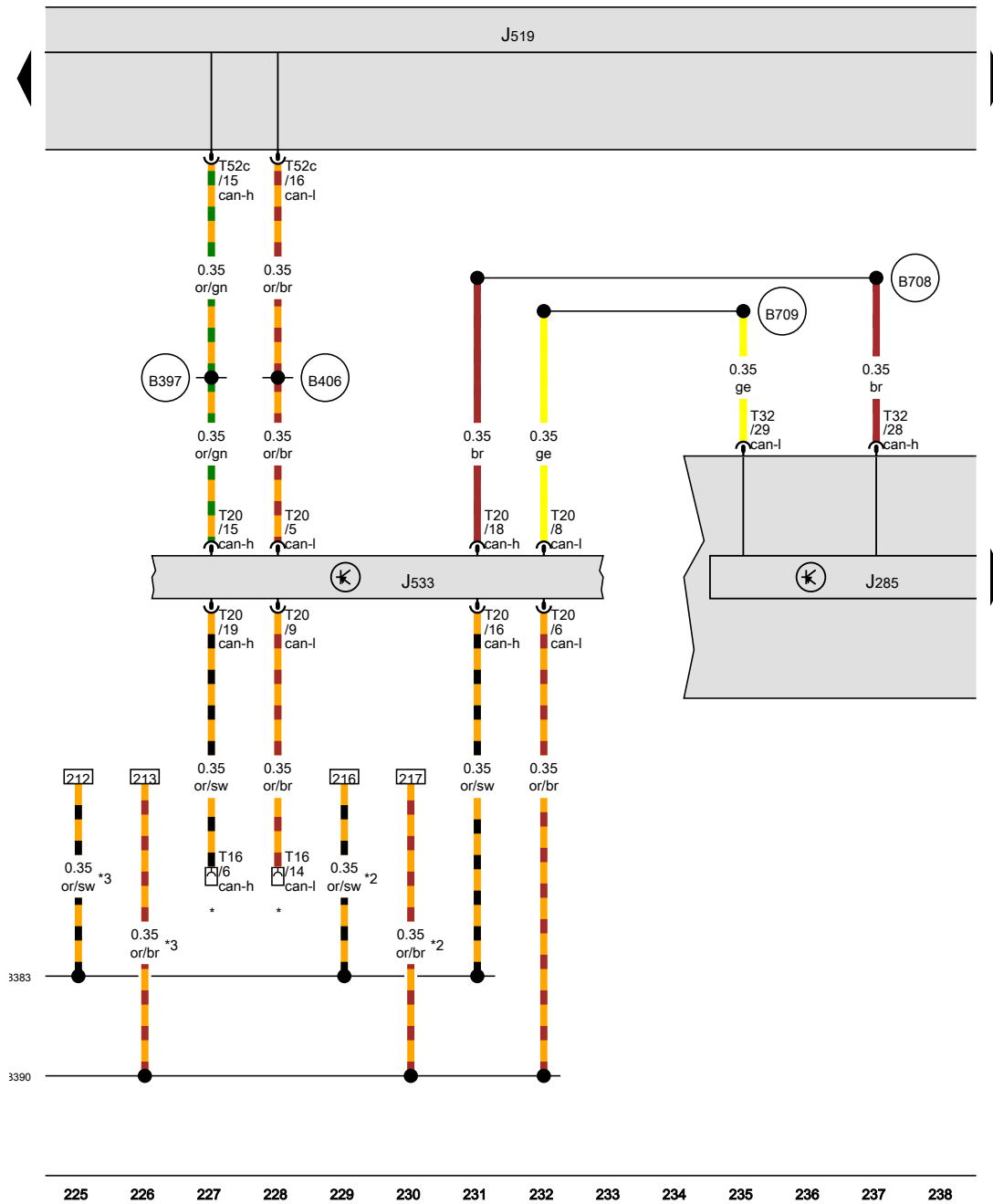
*2 Only models with ABS and no ESP



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

[162-085170415]



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

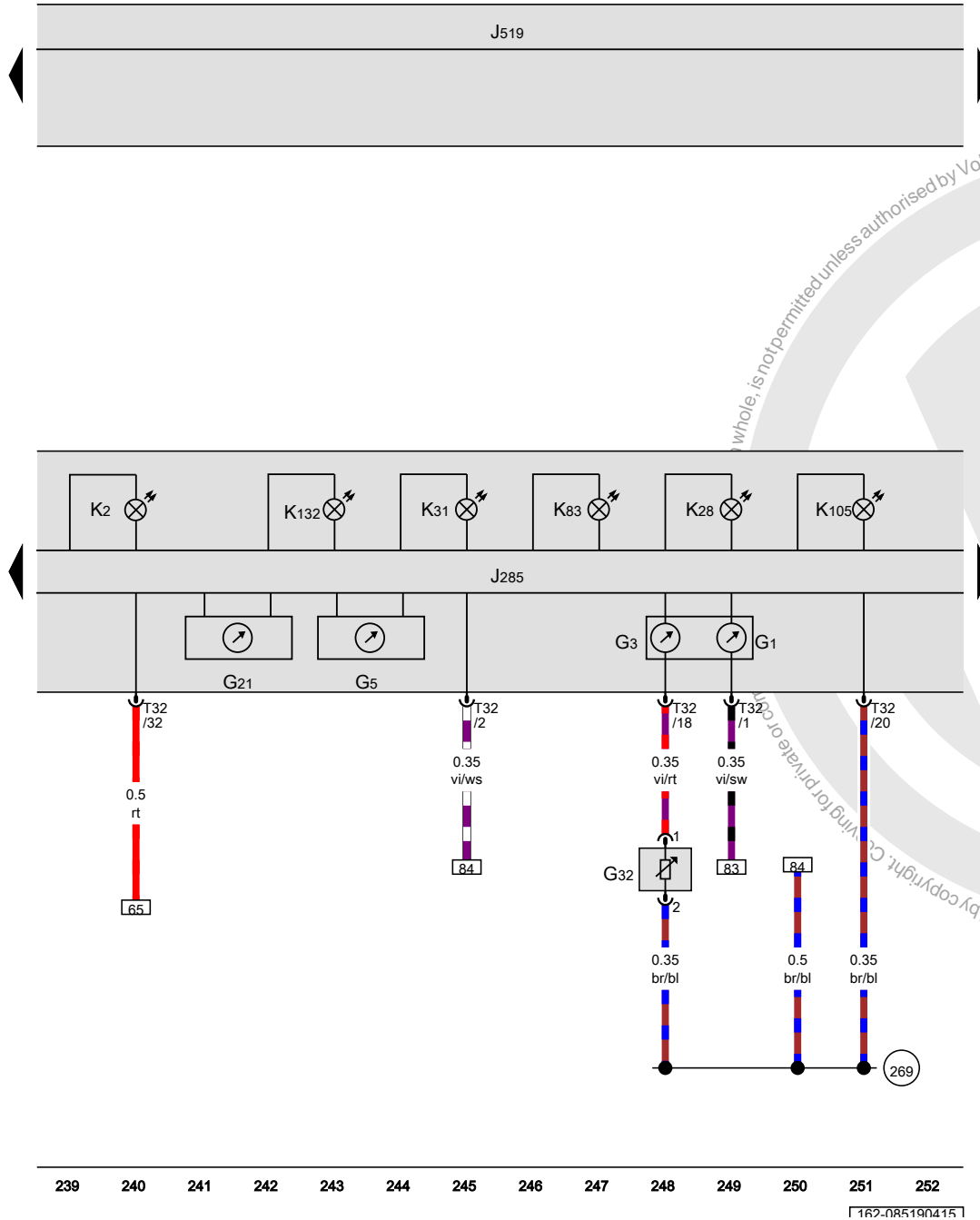
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

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- sw = black
- ro = red
- rt = red
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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162-085180415

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

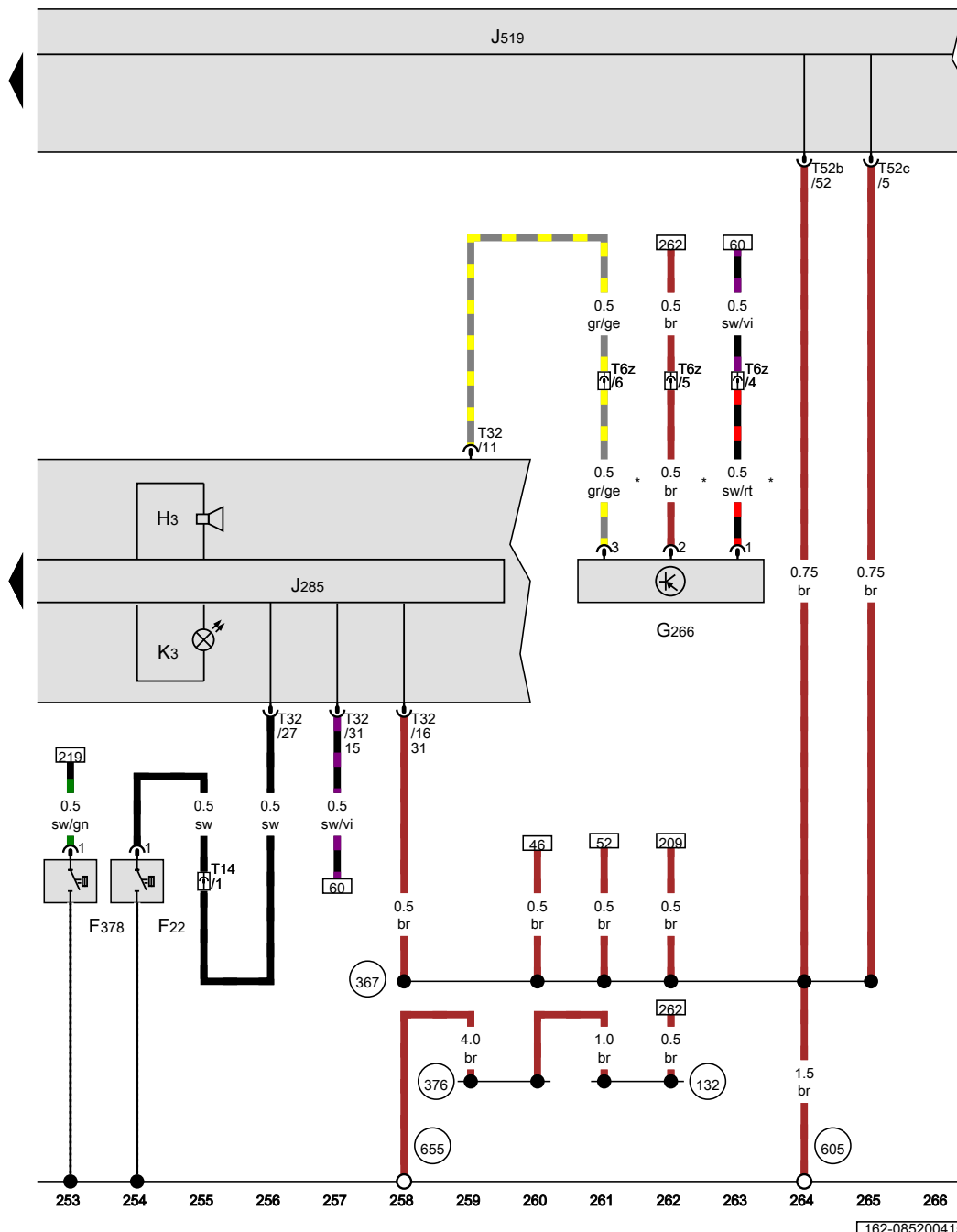
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness



- ws = white
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- br = brown
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239 240 241 242 243 244 245 246 247 248 249 250 251 252

[162-085190415]



Oil pressure switch, Oil pressure switch for reduced oil pressure, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F22 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
 - 367 Earth connection 2, in main wiring harness
 - 376 Earth connection 11, in main wiring harness
 - 605 Earth point, on top end of steering column
 - 655 Earth point, on left headlight
- * Only models with flexible service interval display

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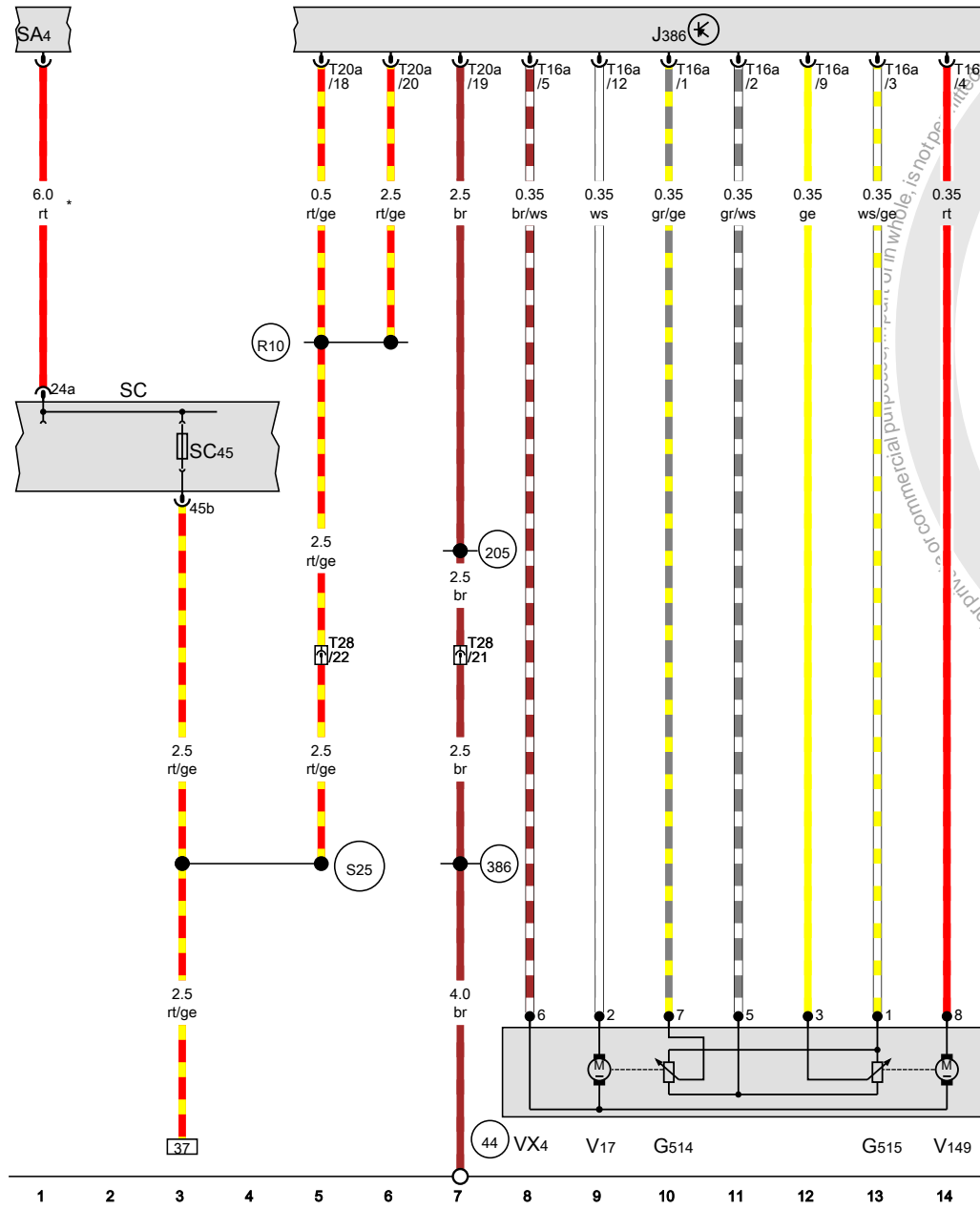
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-085200415

Electrically adjustable and heated exterior mirror, (6XG),(6XN),(6XP)

From June 2010





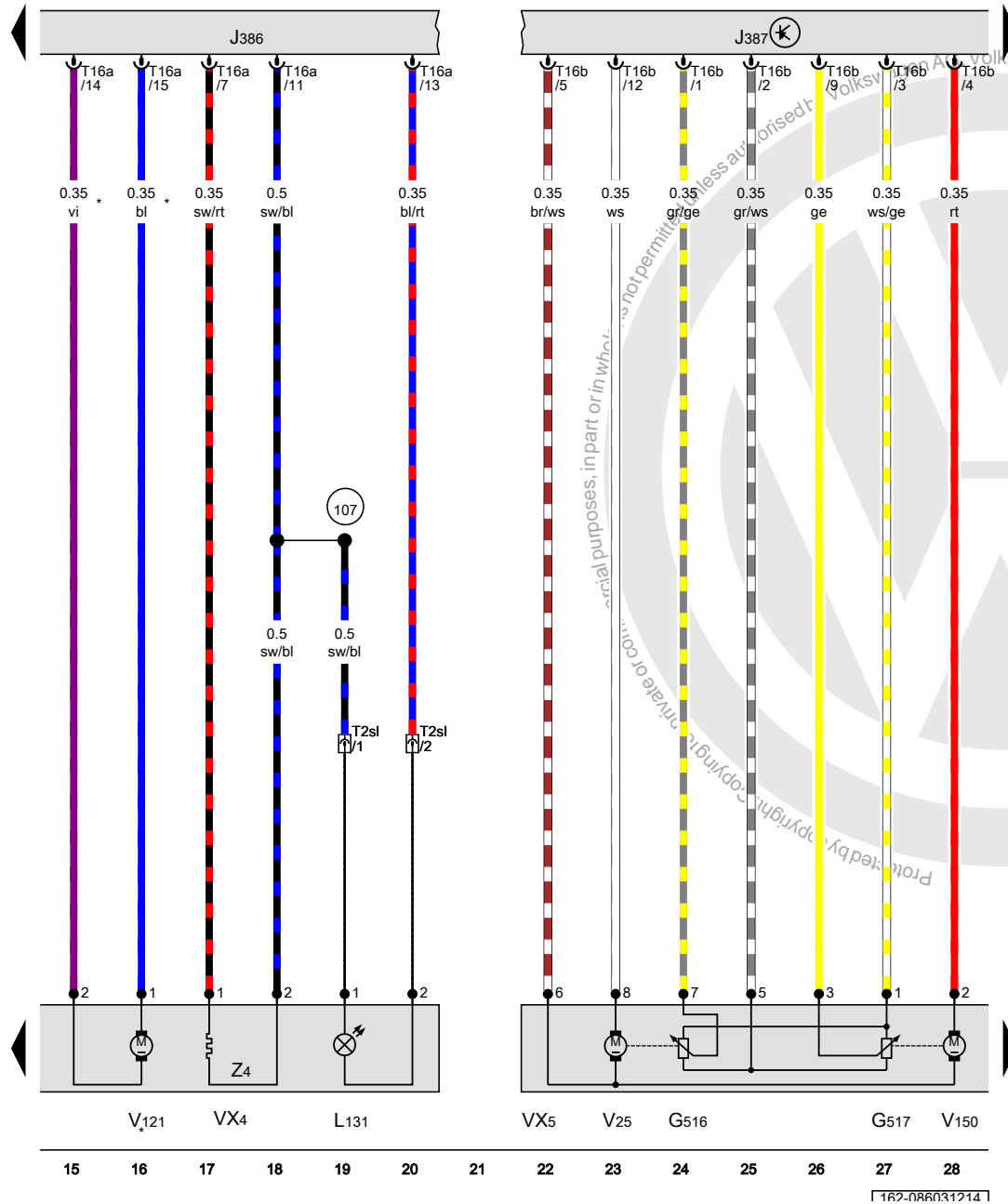
Driver door control unit, Fuse holder C, Driver side exterior mirror

- G514 Potentiometer for horizontal adjustment of driver side mirror
- G515 Potentiometer for vertical adjustment of driver side mirror
- J386 Driver door control unit
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC45 Fuse 45 on fuse holder C
- T16a 16-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V149 Driver side mirror adjustment motor

- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- R10 Positive connection 1 (30), in driver door wiring harness
- S25 Positive connection (30a), in central locking wiring harness
- * see applicable current flow diagram for basic equipment

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-086021214



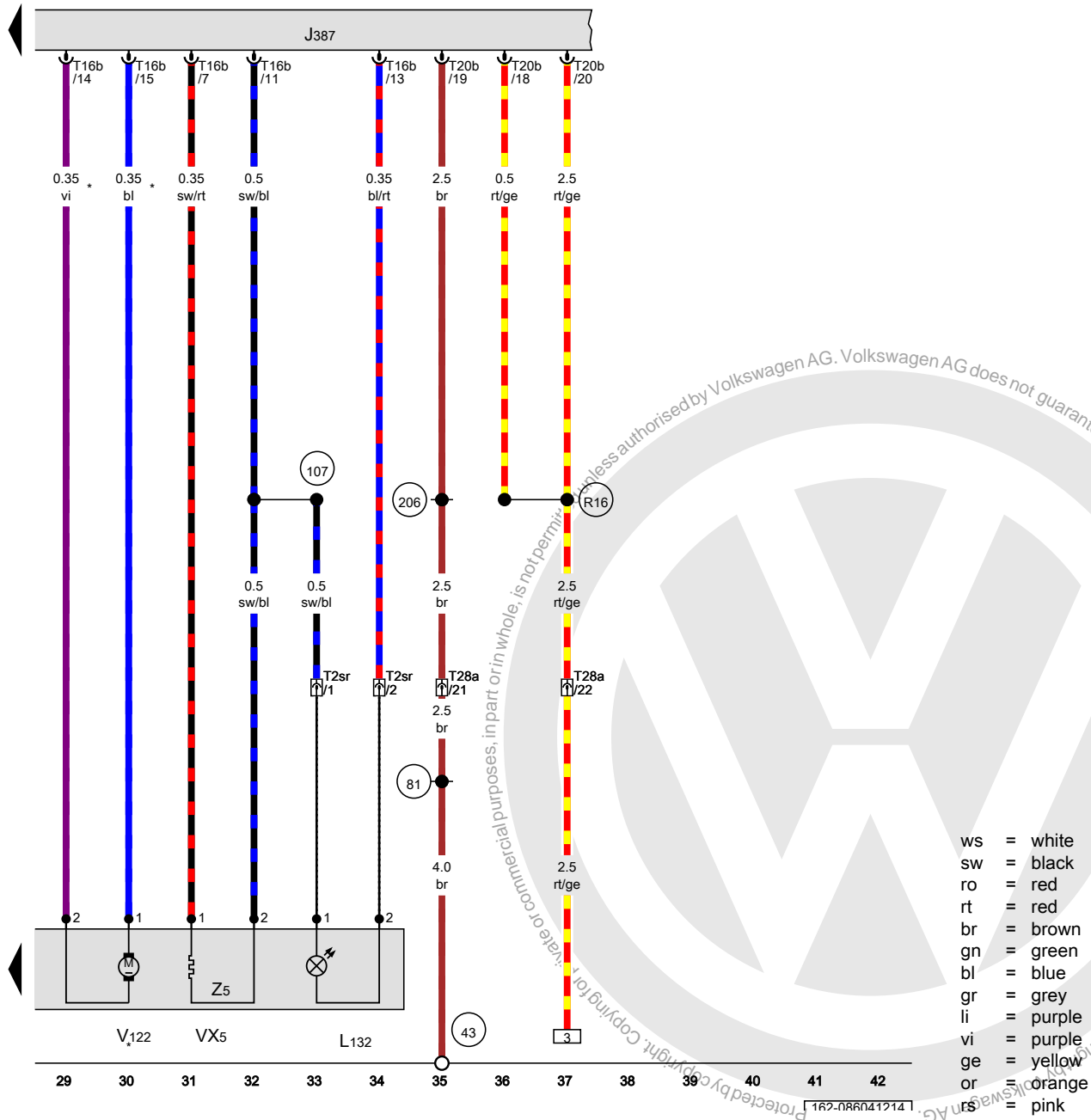
Driver door control unit, Front passenger door control unit, Driver side exterior mirror, Front passenger side exterior mirror

- G516 Potentiometer for horizontal adjustment of front passenger side mirror
- G517 Potentiometer for vertical adjustment of front passenger side mirror
- J386 Driver door control unit
- J387 Front passenger door control unit
- L131 Driver side turn signal repeater bulb
- T2sl 2-pin connector, in driver side exterior mirror housing
- T16a 16-pin connector
- T16b 16-pin connector
- VX4 Driver side exterior mirror
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z4 Heated exterior mirror on driver side
- 107 Earth connection, in external mirror wiring harness, in left door, near exterior mirror
- * According to equipment

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- sw = black
- ro = red
- rt = red
- br = brown
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- bl = blue
- gr = grey
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162-086031214

Front passenger door control unit, Front passenger side exterior mirror



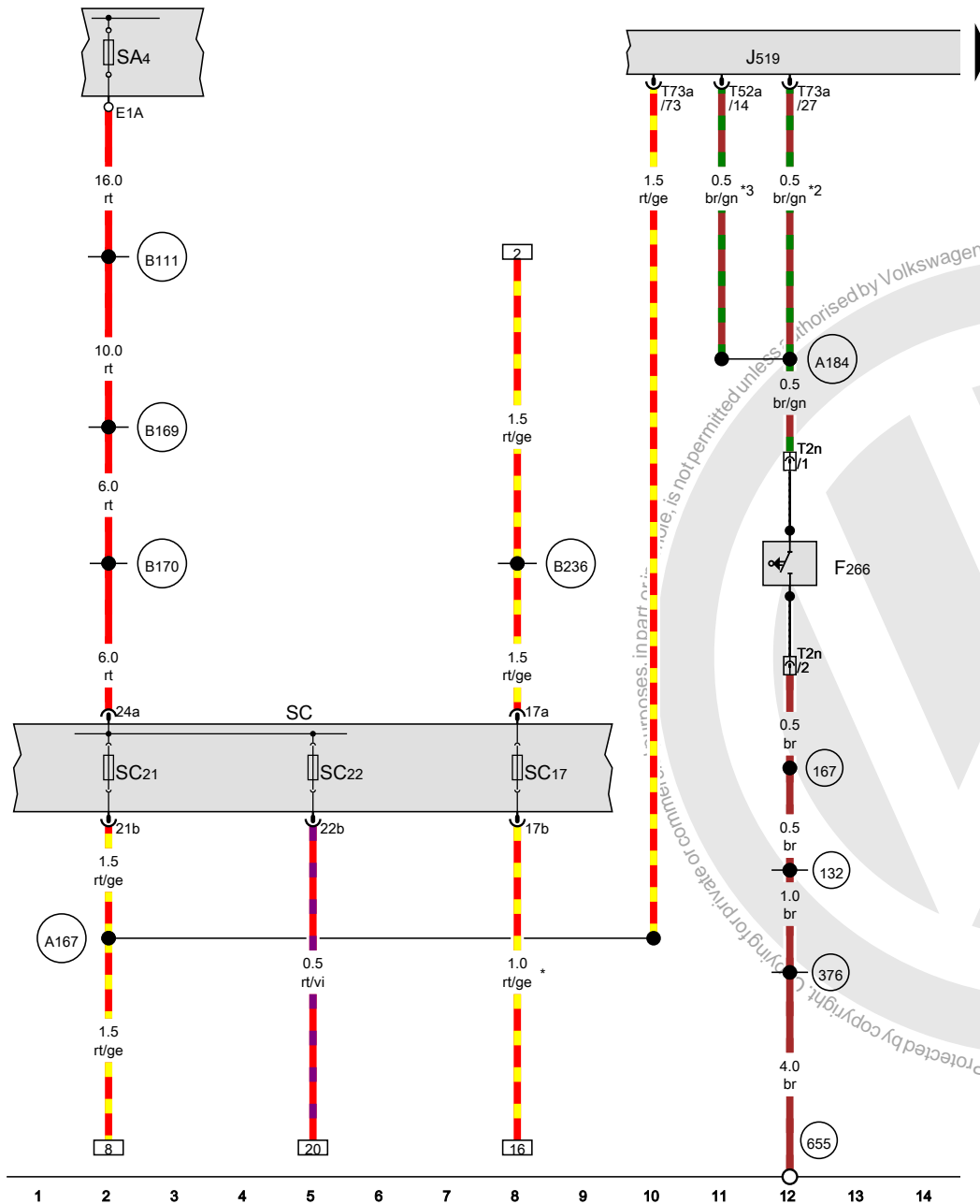
- J387 Front passenger door control unit
 - L132 Front passenger side turn signal repeater bulb
 - T2sr 2-pin connector, in front passenger side exterior mirror housing
 - T16b 16-pin connector
 - T20b 20-pin connector
 - T28a 28-pin connector, lower part of A-pillar, front passenger side
 - VX5 Front passenger side exterior mirror
 - V122 Front passenger side fold-in mirror motor
 - Z5 Heated exterior mirror on front passenger side
 - 43 Earth point, lower part of right A-pillar
 - 81 Earth connection 1, in dash panel wiring harness
 - 107 Earth connection, in external mirror wiring harness, in right door, near exterior mirror
 - 206 Earth connection, in front passenger door wiring harness
 - R16 Positive connection 1 (30), in front passenger door wiring harness
- According to equipment

Anti-theft alarm system , (7AG),(7AZ),(9V5)

From January 2011

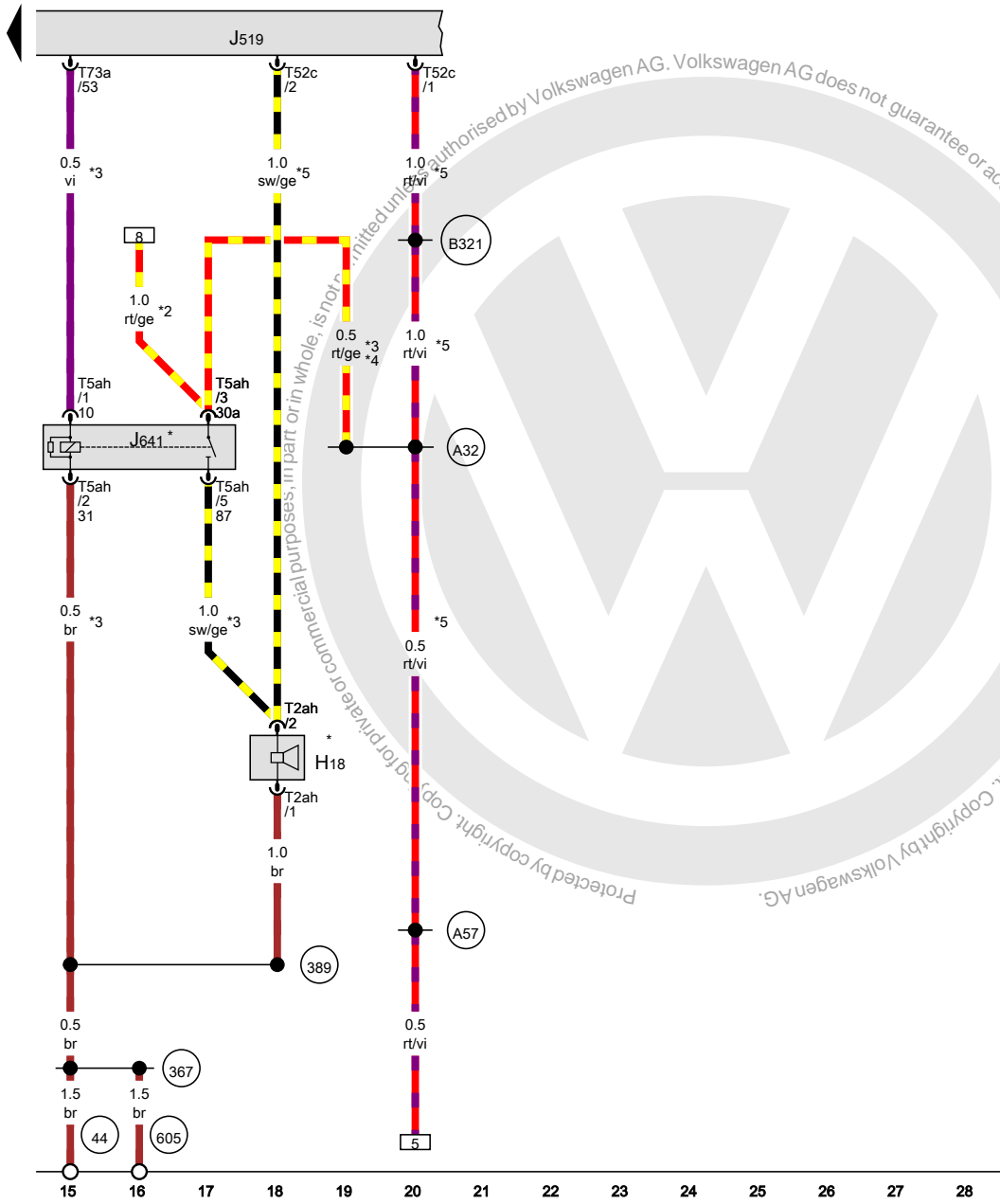


Onboard supply control unit, Fuse holder C



- F266 Bonnet contact switch
- J519 Onboard supply control unit
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- T2n 2-pin connector
- T52a 52-pin connector
- T73a 73-pin connector
- 132 Earth connection 3, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- A167 Positive connection 3 (30a) in dash panel wiring harness
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B236 Positive connection 6 (30a), in interior wiring harness

- * gradual introduction
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with "High" equipment (AW1)
- ws = white
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Onboard supply control unit

- H18 Alarm system horn
- J519 Onboard supply control unit
- J641 Alarm horn relay
- T2ah 2-pin connector
- T5ah 5-pin connector
- T52c 52-pin connector
- T73a 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- A32 Positive connection (30), in dash panel wiring harness
- A57 Positive connection 3 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness

- * Not included in preparation for system/component gradual introduction
- *2 Only models with "Low" equipment (AW0)
- *3 Gradually discontinued
- *4 Only models with "High" equipment (AW1)

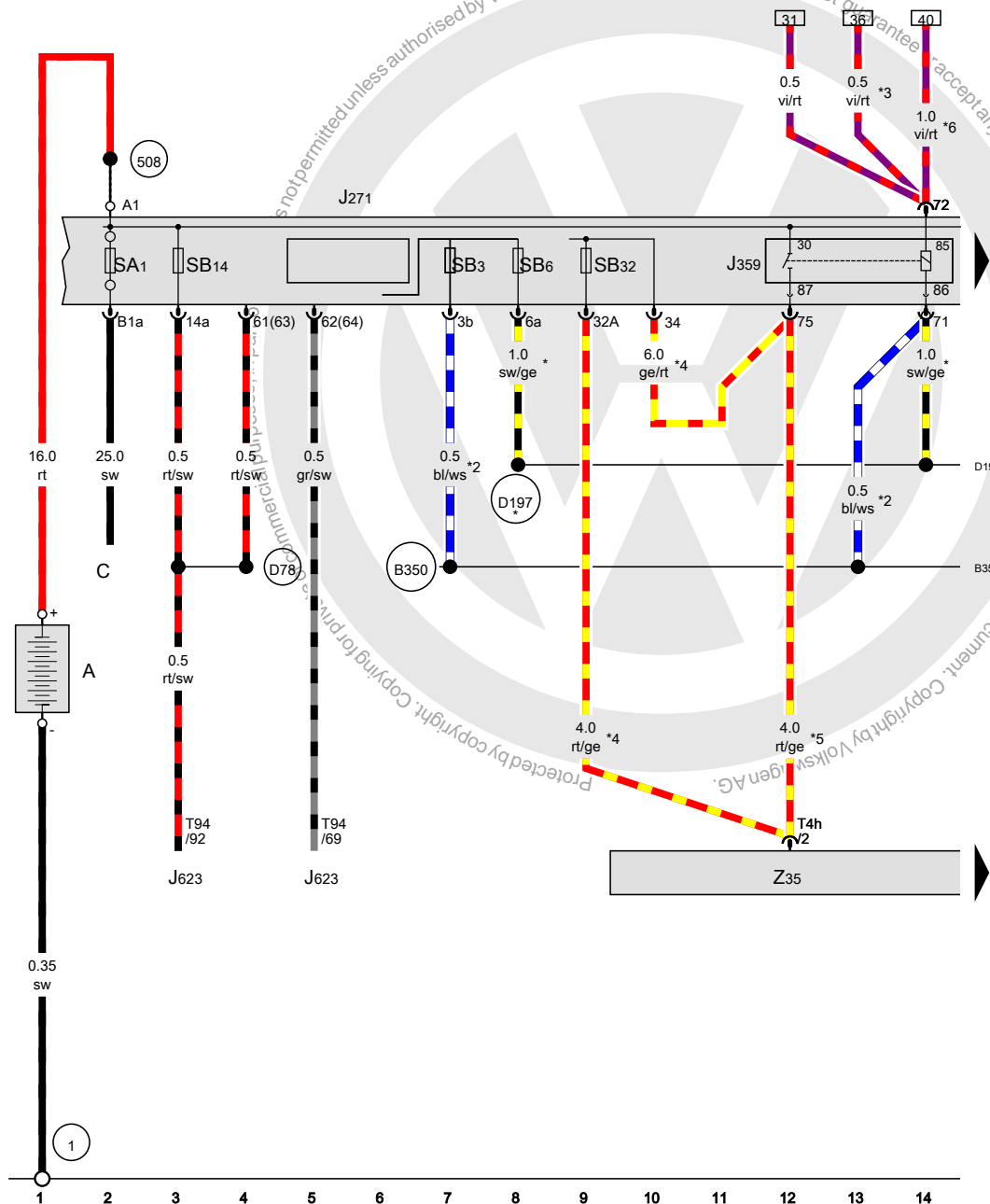
- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-087030115

Auxiliary air heater (PTC) , CAVA,CAVD,CAXA,CBZB,CMSB,CTHA,CTHD

From April 2010





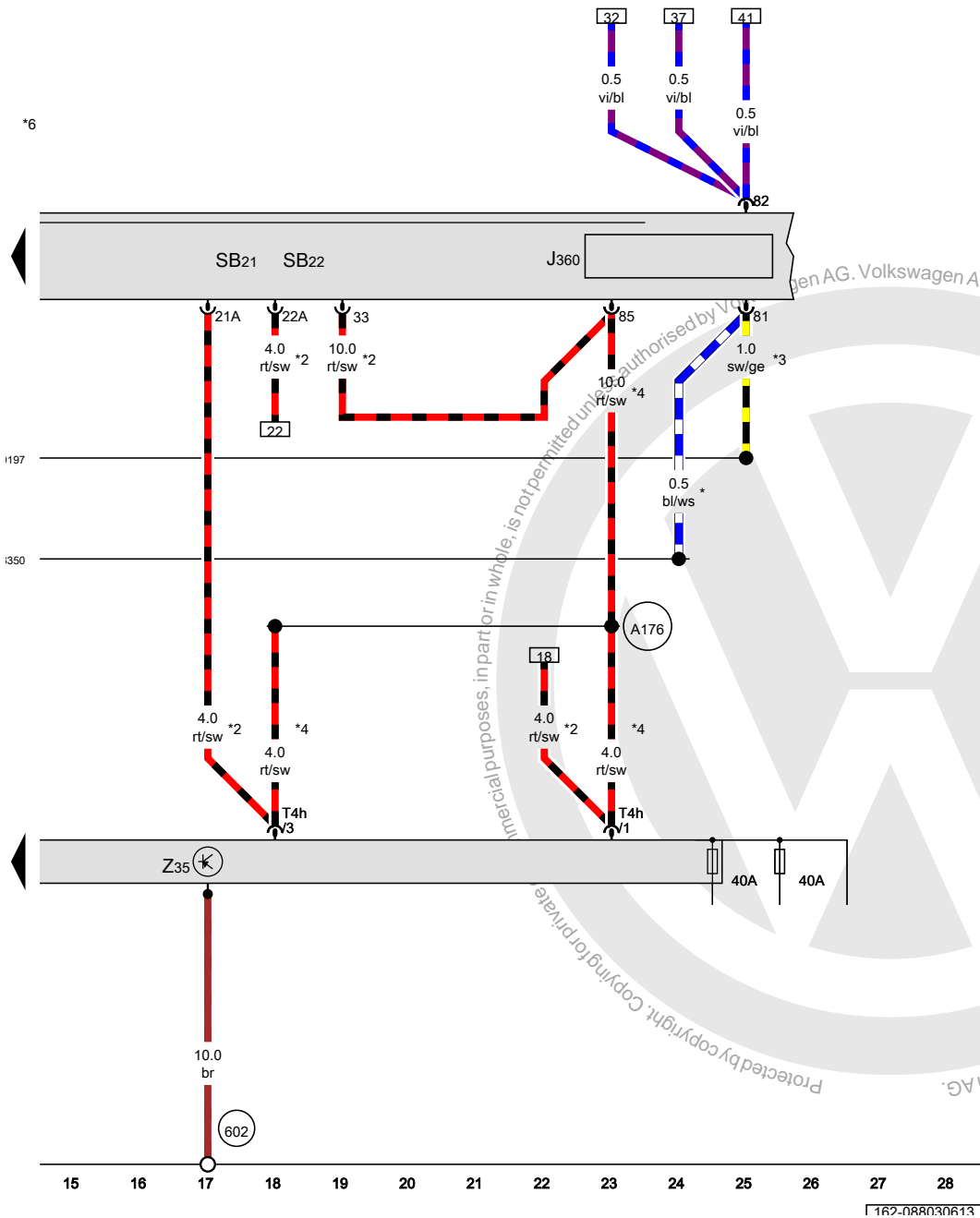
Main relay, Low heat output relay, Auxiliary air heater element

- A Battery
 - C Alternator
 - J271 Main relay
 - J359 Low heat output relay
 - J623 Engine control unit
 - SA1 Fuse 1 in fuse holder A
 - SB3 Fuse 3 on fuse holder B
 - SB6 Fuse 6 on fuse holder B
 - SB14 Fuse 14 on fuse holder B
 - SB32 Fuse 32 on fuse holder B
 - T4h 4-pin connector
 - T94 94-pin connector
 - Z35 Auxiliary air heater element
- 1 Earth strap, battery - body
 - 508 Threaded connection (30) on E-box
 - B350 Positive connection 1 (87a) in main wiring harness
 - D78 Positive connection 1 (30a), in engine compartment wiring harness
 - D197 Connection 5 (87a) in engine compartment wiring harness
 - * Up to May 2013
 - *2 From June 2013
 - *3 Wiring colour depends on equipment
 - *4 gradual introduction
 - *5 Gradually discontinued
 - *6 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

162-088020613

High heat output relay, Auxiliary air heater element



- J360 High heat output relay
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T4h 4-pin connector
- Z35 Auxiliary air heater element

- 602 Earth point, in front left footwell
- A176 Connection (auxiliary heater), in dash panel wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness

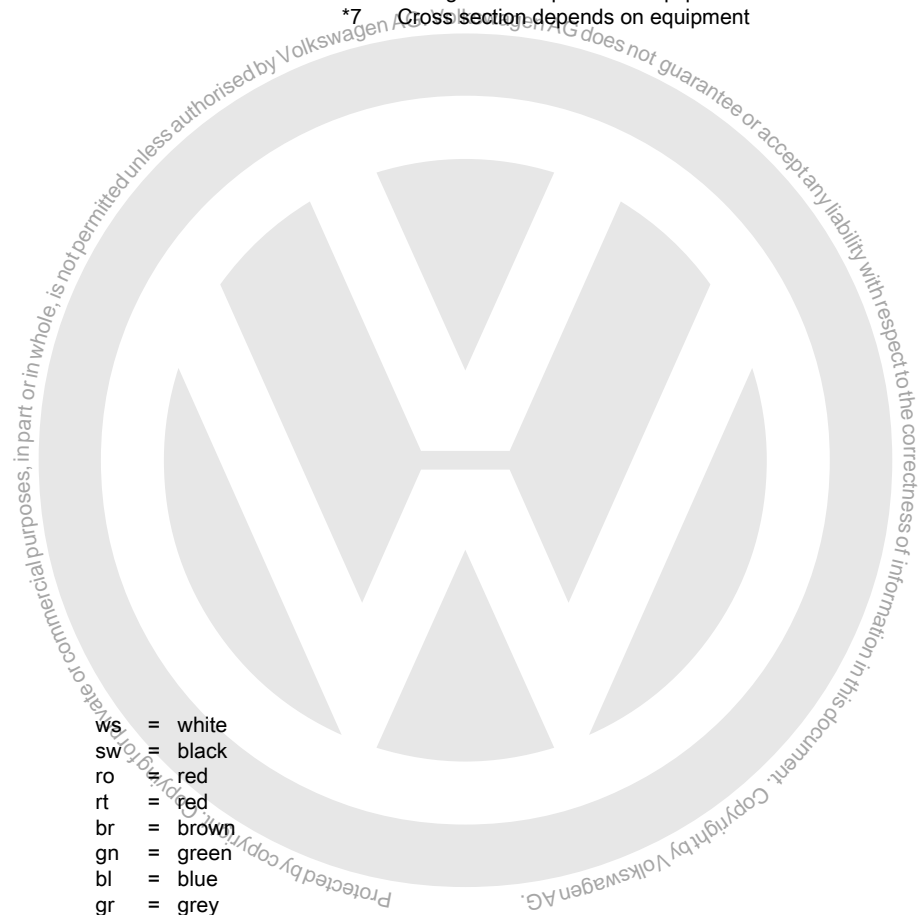
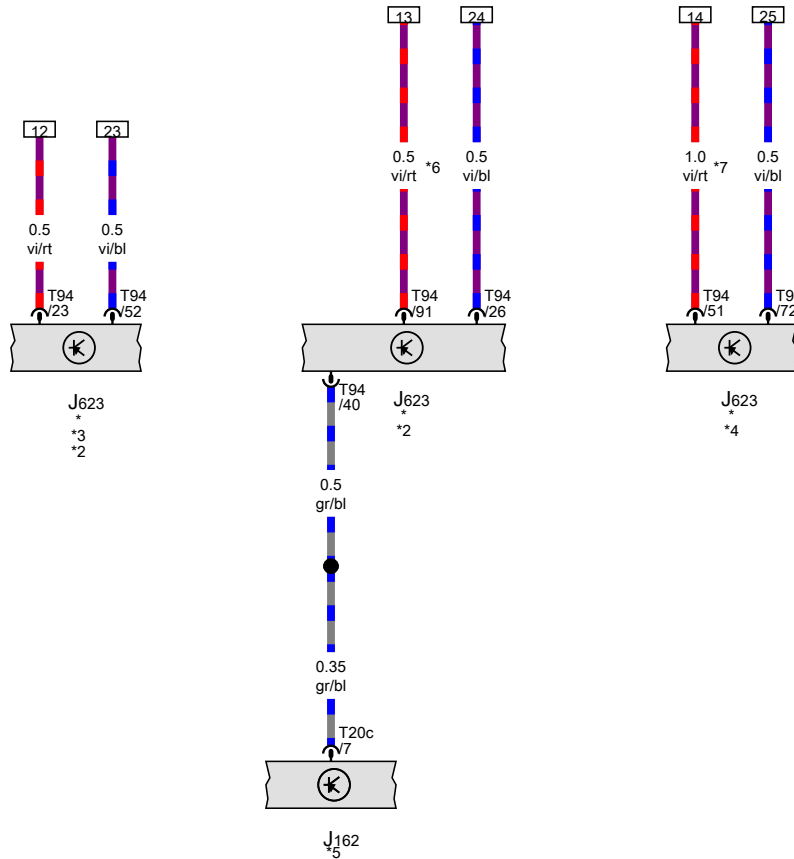
- * From June 2013
- *2 gradual introduction
- *3 Up to May 2013
- *4 Gradually discontinued

- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink

162-088030613

Engine control unit

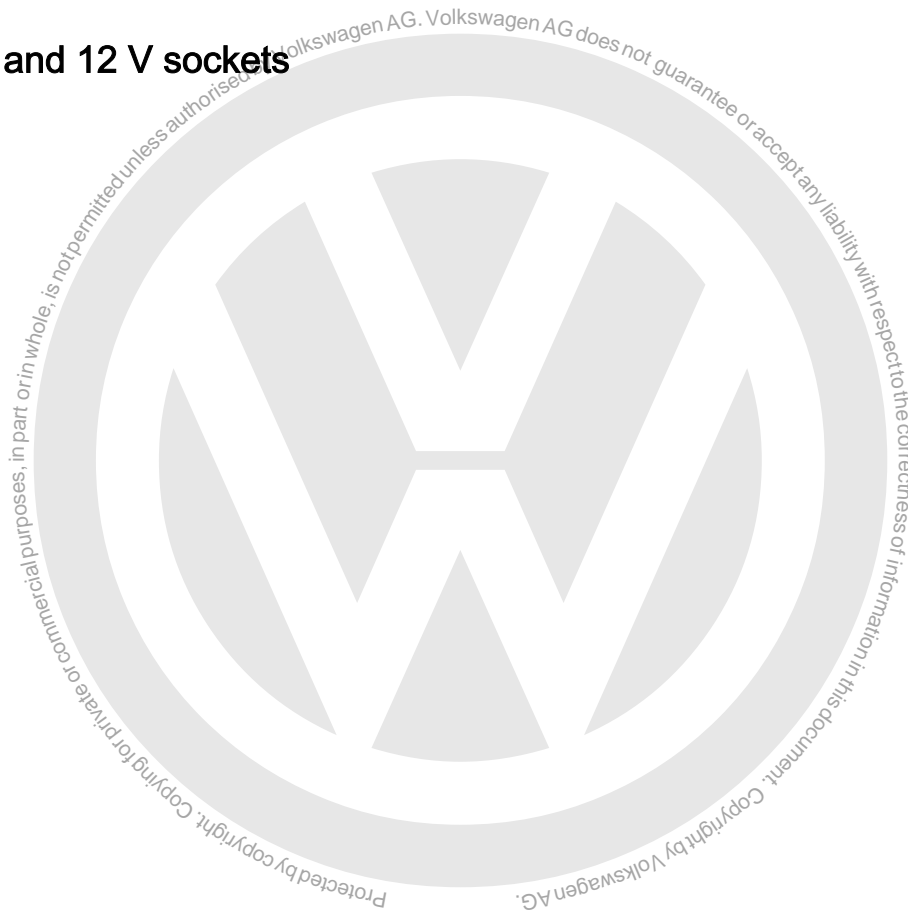
- J162 Heater control unit
- J623 Engine control unit
- T20c 20-pin connector
- T94 94-pin connector
- * see applicable current flow diagram for engine
- *2 Only models with 1.4l engine
- *3 Only models with Euro 6 emission standard
- *4 Only models with 1.2l engine
- *5 see applicable current flow diagram for manually controlled heater
- *6 Wiring colour depends on equipment
- *7 Cross section depends on equipment



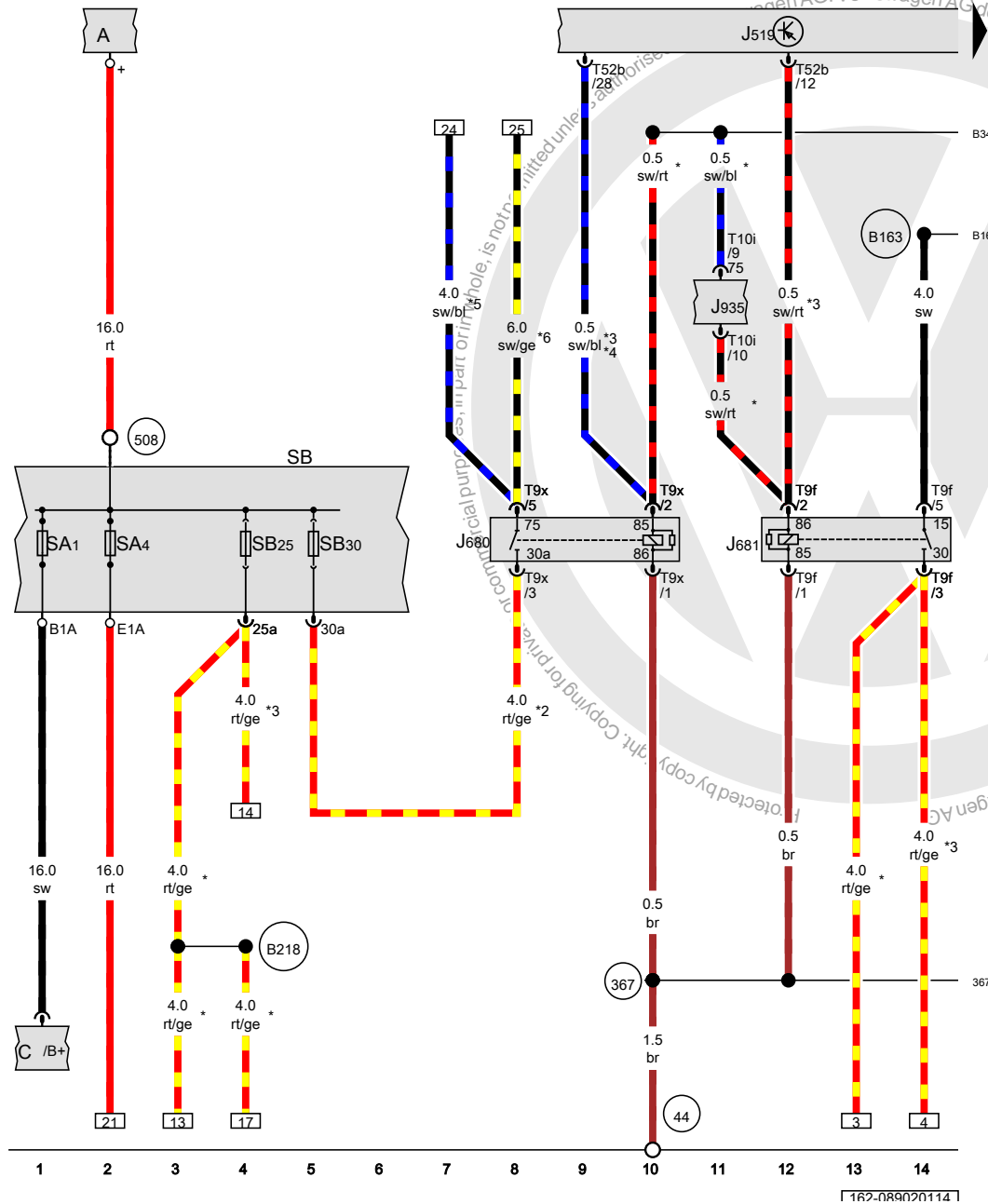
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Cigarette lighter and 12 V sockets

From June 2011



Terminal 75 voltage supply relay 1, Terminal 15 voltage supply relay 2, Fuse holder B



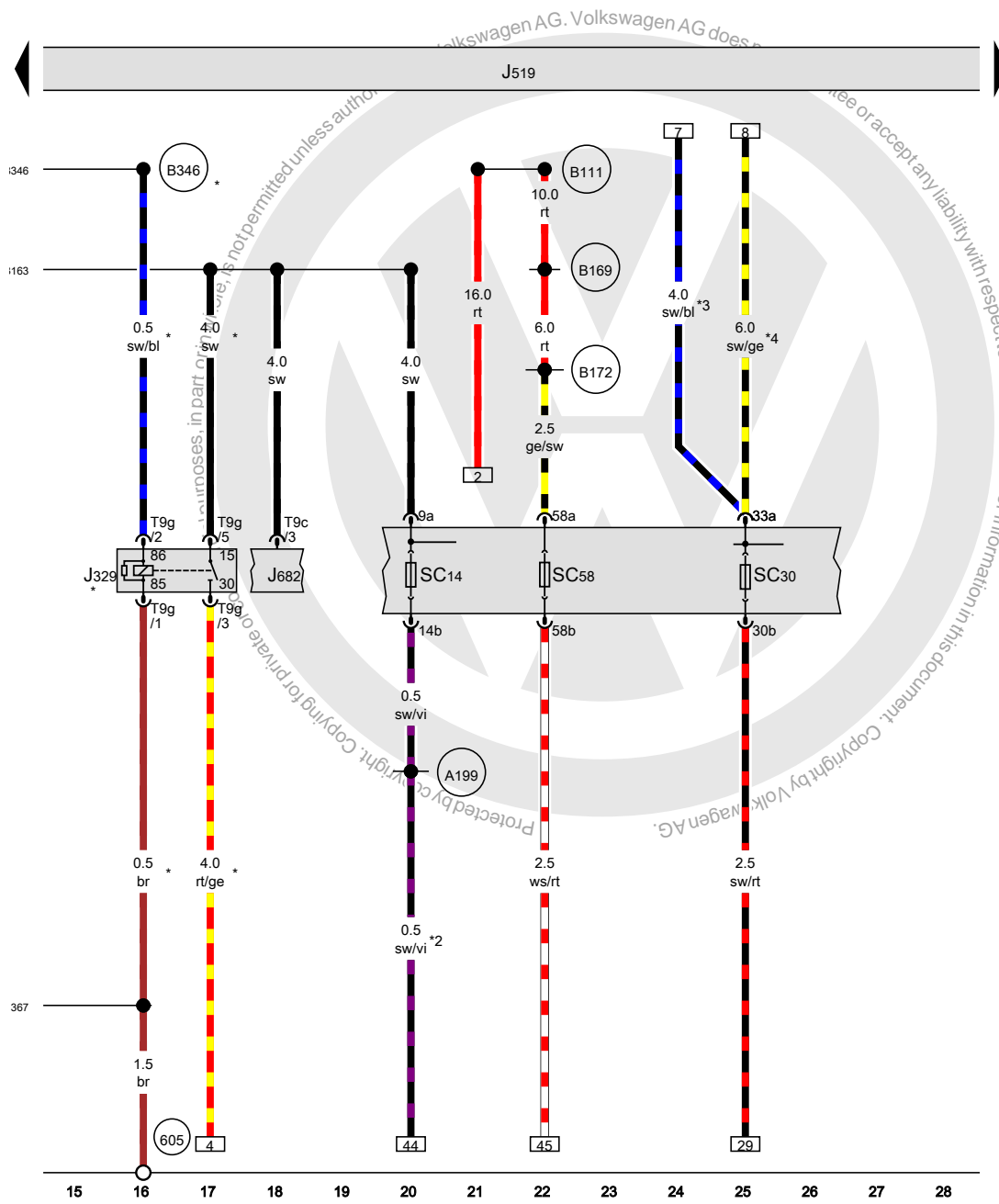
- A Battery
- C Alternator
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J935 Converter box
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- T9f 9-pin connector
- T9x 9-pin connector
- T10i 10-pin connector
- T52b 52-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 508 Threaded connection (30) on E-box
- B163 Positive connection 1 (15), in interior wiring harness
- B218 Positive connection 6 (30), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness

- * Only models with "Low" equipment (AW0)
- *2 Cross-section 6.0 possible
- *3 Only models with "High" equipment (AW1)
- *4 Cross section depends on equipment
- *5 Gradually discontinued
- *6 gradual introduction

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- rt = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-089020114



Terminal 15 voltage supply relay

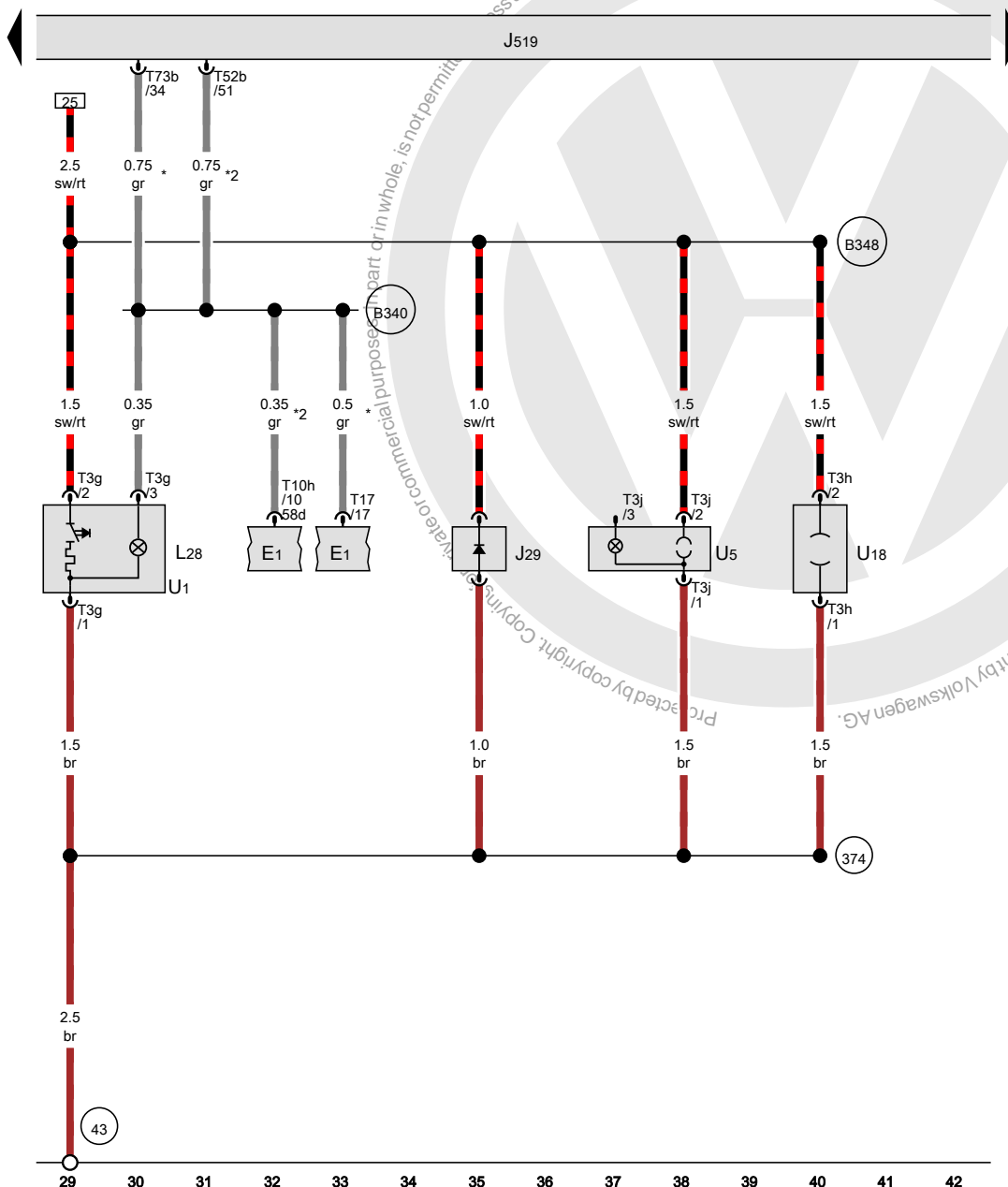
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SC14 Fuse 14 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T9c 9-pin connector
- T9g 9-pin connector

- (367) Earth connection 2, in main wiring harness
- (605) Earth point, on top end of steering column
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (B111) Positive connection 1 (30a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B169) Positive connection 1 (30), in interior wiring harness
- (B172) Positive connection 4 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness

- * Only models with "Low" equipment (AW0)
- *2 Only models with start/stop system
- *3 Gradually discontinued
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-089030114



Blocking diode, Cigarette lighter, 12 V socket, 12 V socket 2

- E1 Light switch
- J29 Blocking diode, in interior wiring harness
- J519 Onboard supply control unit
- L28 Cigarette lighter illumination bulb
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T10h 10-pin connector
- T17 17-pin connector
- T52b 52-pin connector
- T73b 73-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2

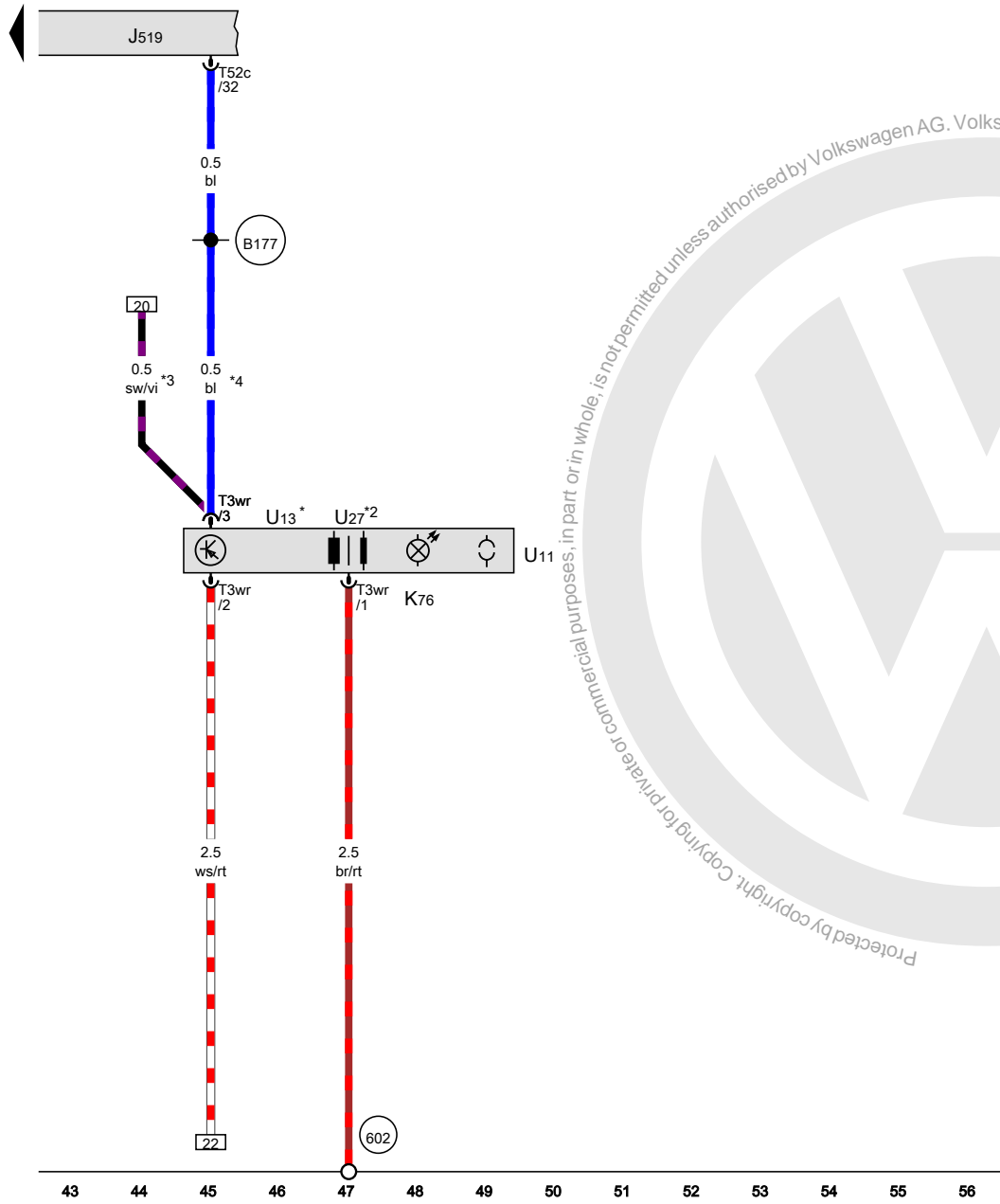
- 43 Earth point, lower part of right A-pillar
- 374 Earth connection 9, in main wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B348 Connection 1 (75a), in main wiring harness

- * Only models with "Low" equipment (AW0)
- *2 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-089040114

Electric socket warning lamp, DC/AC converter with socket, 12 V - 230 V, DC/AC converter with socket, 12 V - 115 V



- J519 Onboard supply control unit
- K76 Electric socket warning lamp
- T3wr 3-pin connector
- T52c 52-pin connector
- U11 Interior socket, 230 V, 110 V
- U13 DC/AC converter with socket, 12 V - 230 V
- U27 DC/AC converter with socket, 12 V - 115 V

- 602 Earth point, in front left footwell
- B177 Connection (61), in interior wiring harness

- * Not for American markets
- *2 Only for American markets
- *3 Only models with start/stop system
- *4 Only models with no start/stop system

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

[162-089050114]

Tail light cluster with LED , (8SL)

From June 2012



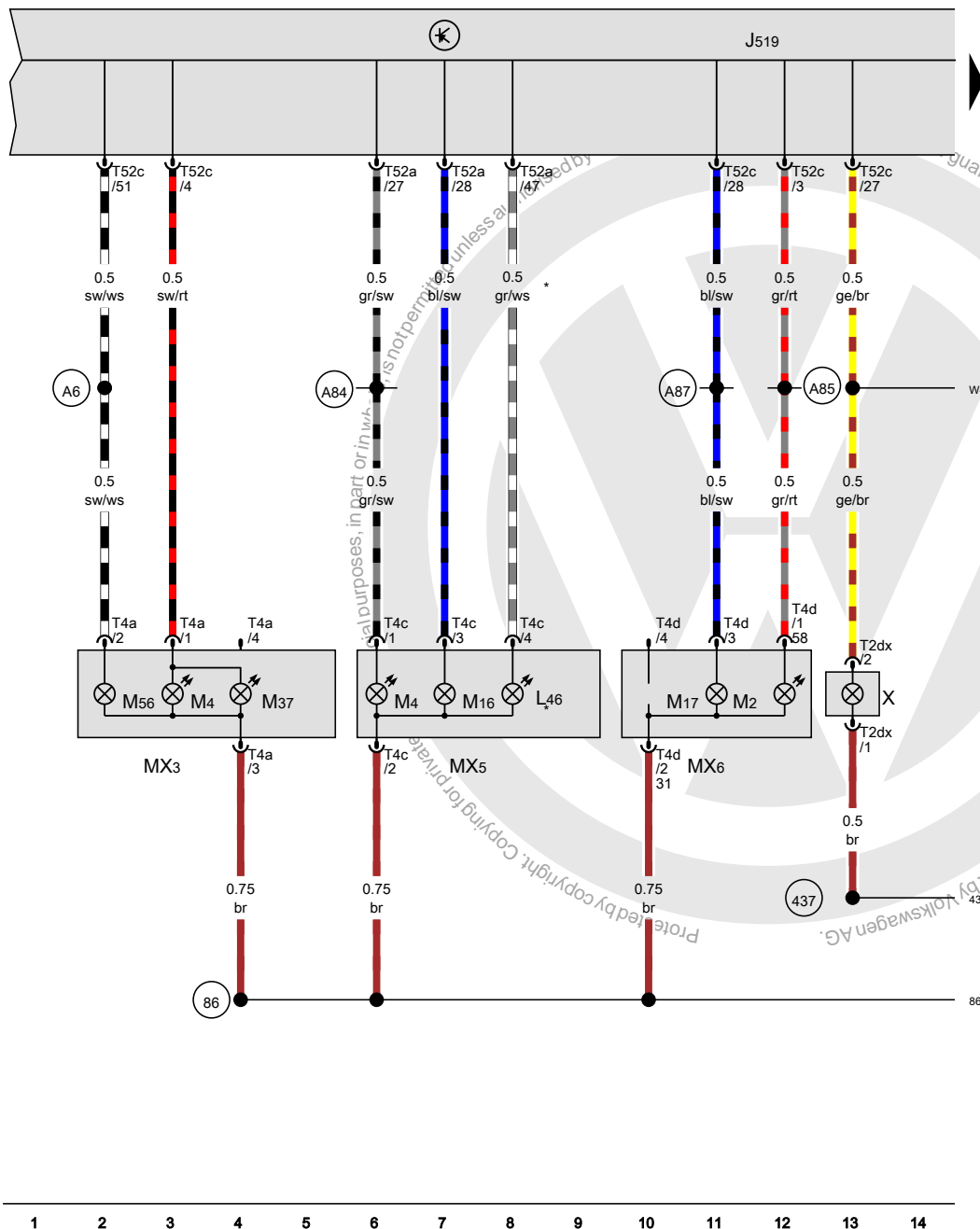
Onboard supply control unit, Rear left fog light bulb, Right tail light bulb, Left tail light, Left tail light bulb, Left tail light 2, Right tail light 2, Left reversing light bulb, Right reversing light bulb, Rear left side marker bulb, Left brake and turn signal bulb, Number plate light

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- MX6 Right tail light 2
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- M37 Rear left side marker bulb
- M56 Left brake and turn signal bulb
- T2dx 2-pin connector
- T4a 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- X Number plate light

- (86) Earth connection 1, in rear wiring harness
- (437) Earth connection, in number plate wiring harness
- (A6) Positive connection (left turn signal), in dash panel wiring harness
- (A84) Connection (58L), in dash panel wiring harness
- (A85) Connection (58R), in dash panel wiring harness
- (A87) Connection (RL), in dash panel wiring harness
- (W41) Positive connection (58), in number plate lights wiring harness

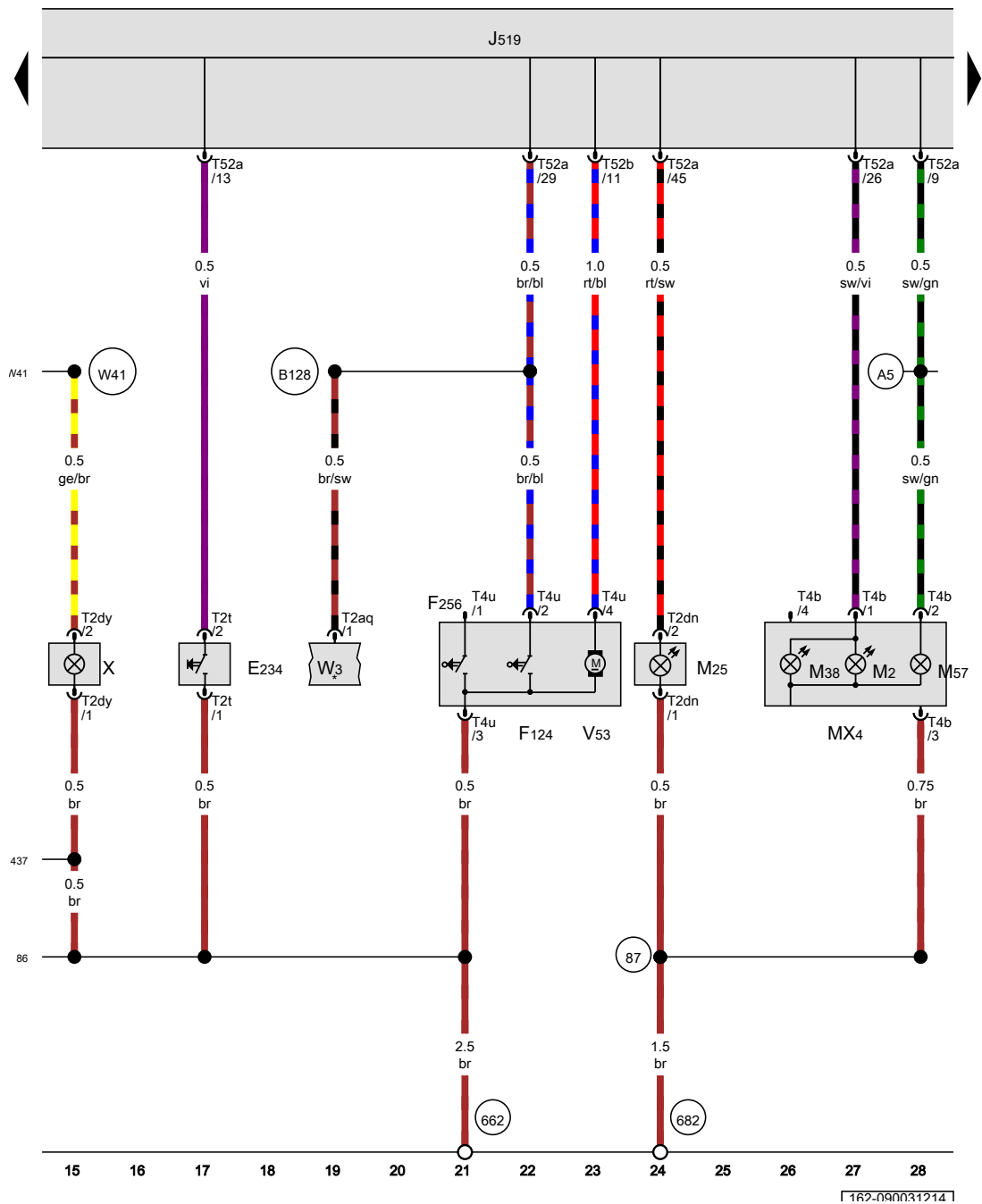
* According to equipment

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- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink



1 2 3 4 5 6 7 8 9 10 11 12 13 14

162-090021214

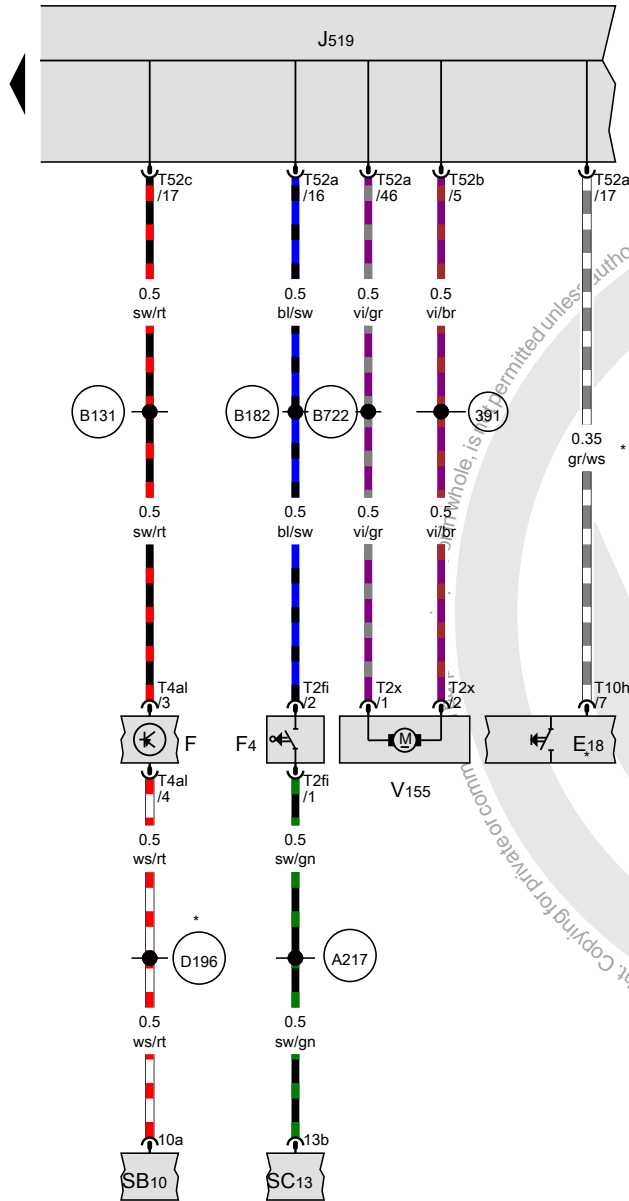


Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, Right tail light bulb, Right tail light, High-level brake light bulb, Rear right side marker bulb, Right brake and turn signal bulb, Rear lid central locking motor, Number plate light

- E234 Rear lid handle release button
- F124 Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX4 Right tail light
- M25 High-level brake light bulb
- M38 Rear right side marker bulb
- M57 Right brake and turn signal bulb
- T2aq 2-pin connector
- T2dn 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4b 4-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V53 Rear lid central locking motor
- W3 Luggage compartment light
- X Number plate light

- 86 Earth connection 1, in rear wiring harness
- 87 Earth connection 2, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 662 Earth point, rear left side panel
- 682 Earth point 2, in rear right side panel
- A5 Positive connection (right turn signal), in dash panel wiring harness
- B128 Connection (luggage compartment light), in interior wiring harness
- W41 Positive connection (58), in number plate lights wiring harness
- * see applicable current flow diagram for basic equipment

Light switch, Brake light switch, Onboard supply control unit



- E1 Light switch
- E18 Rear fog light switch
- F Brake light switch
- F4 Reversing light switch
- J519 Onboard supply control unit
- SB10 Fuse 10 on fuse holder B
- SC13 Fuse 13 on fuse holder C
- T2fi 2-pin connector
- T2x 2-pin connector
- T4al 4-pin connector
- T10h 10-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V155 Tank filler flap locking motor

- 391 Earth connection 26, in main wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B182 Connection (RL), in interior wiring harness
- B722 Connection 3 (central locking), in main wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * According to equipment

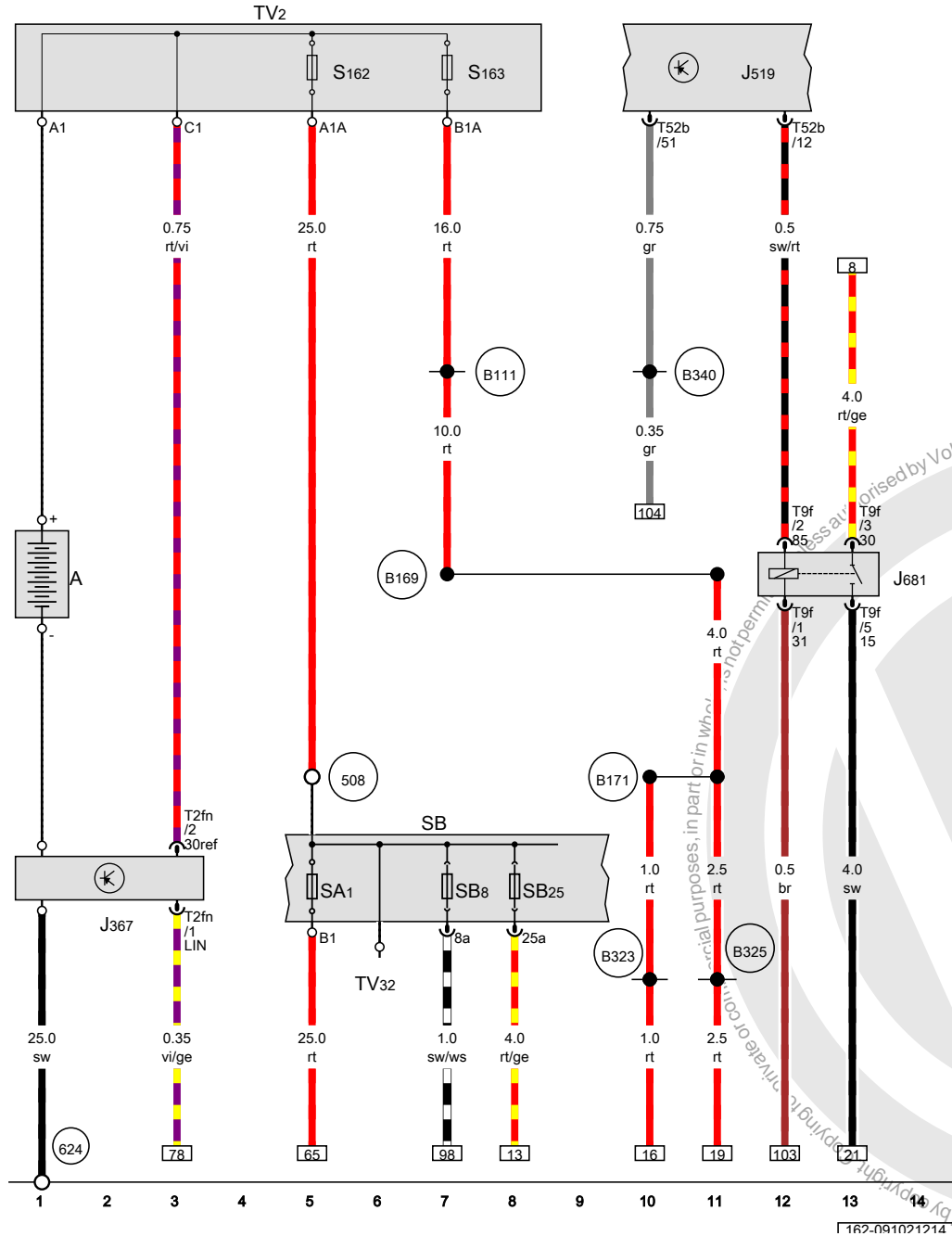
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High voltage system , CNLA,CRJA,(0K1)

From June 2012



Battery, Battery monitor control unit, Onboard supply control unit, Fuse holder B, Jump start connection

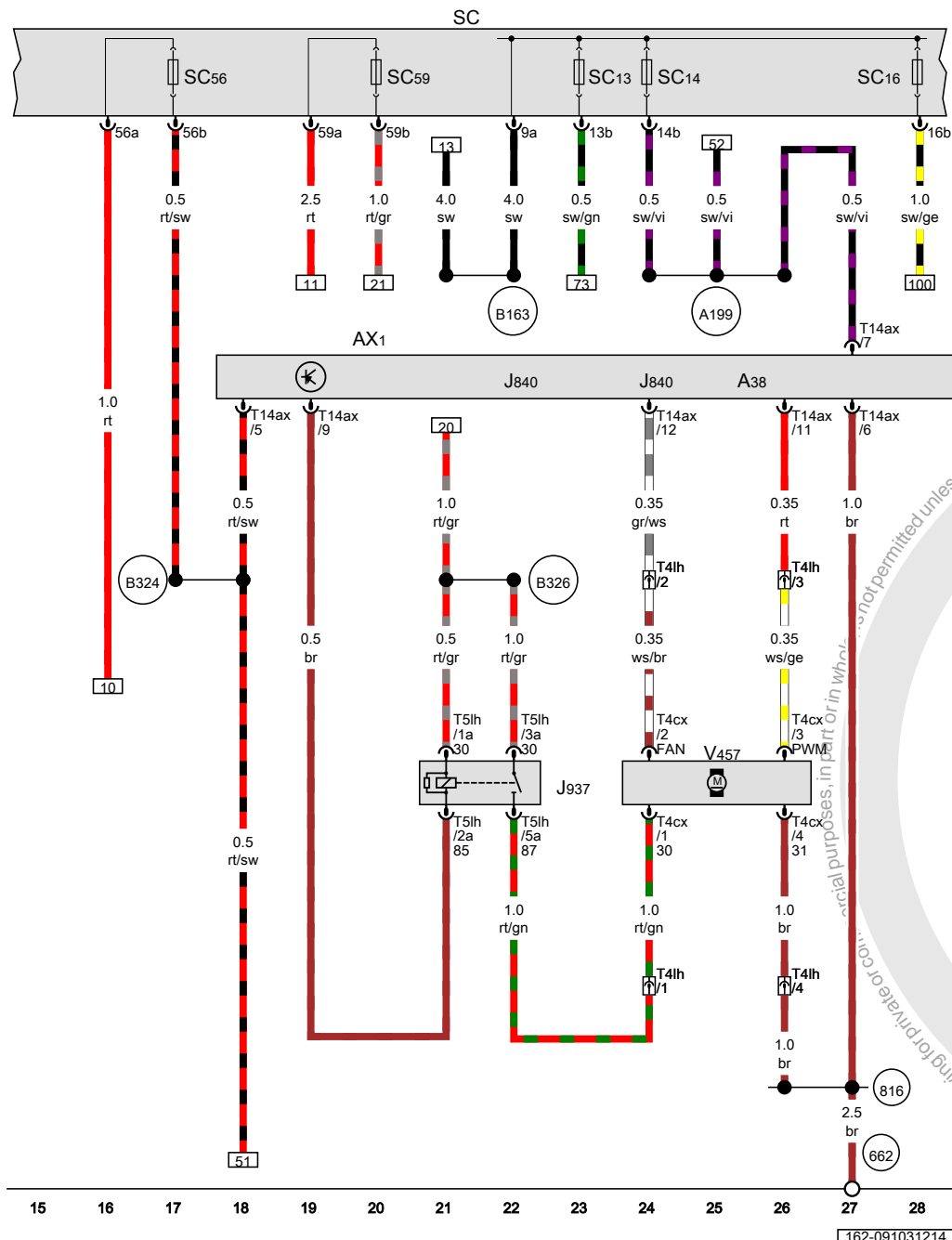


- A Battery, on left in luggage compartment
- J367 Battery monitor control unit, on earth cable battery clamp
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SA1 Fuse 1 in fuse holder A, on E-box in engine compartment
- SB Fuse holder B, in E-box
- SB8 Fuse 8 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- S162 Fuse 1 (30), in battery fuse holder
- S163 Fuse 2 (30), in battery fuse holder
- T2fn 2-pin connector
- T9f 9-pin connector
- T52b 52-pin connector
- TV2 Terminal 30 wiring junction, on fuse holder, battery
- TV32 Jump start connection, on E-box in engine compartment

- 508 Threaded connection (30) on E-box
- 624 Earth point, starter battery
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B323 Positive connection 9 (30a) in main wiring harness
- B325 Positive connection 11 (30a) in main wiring harness
- B340 Connection 1 (58d), in main wiring harness

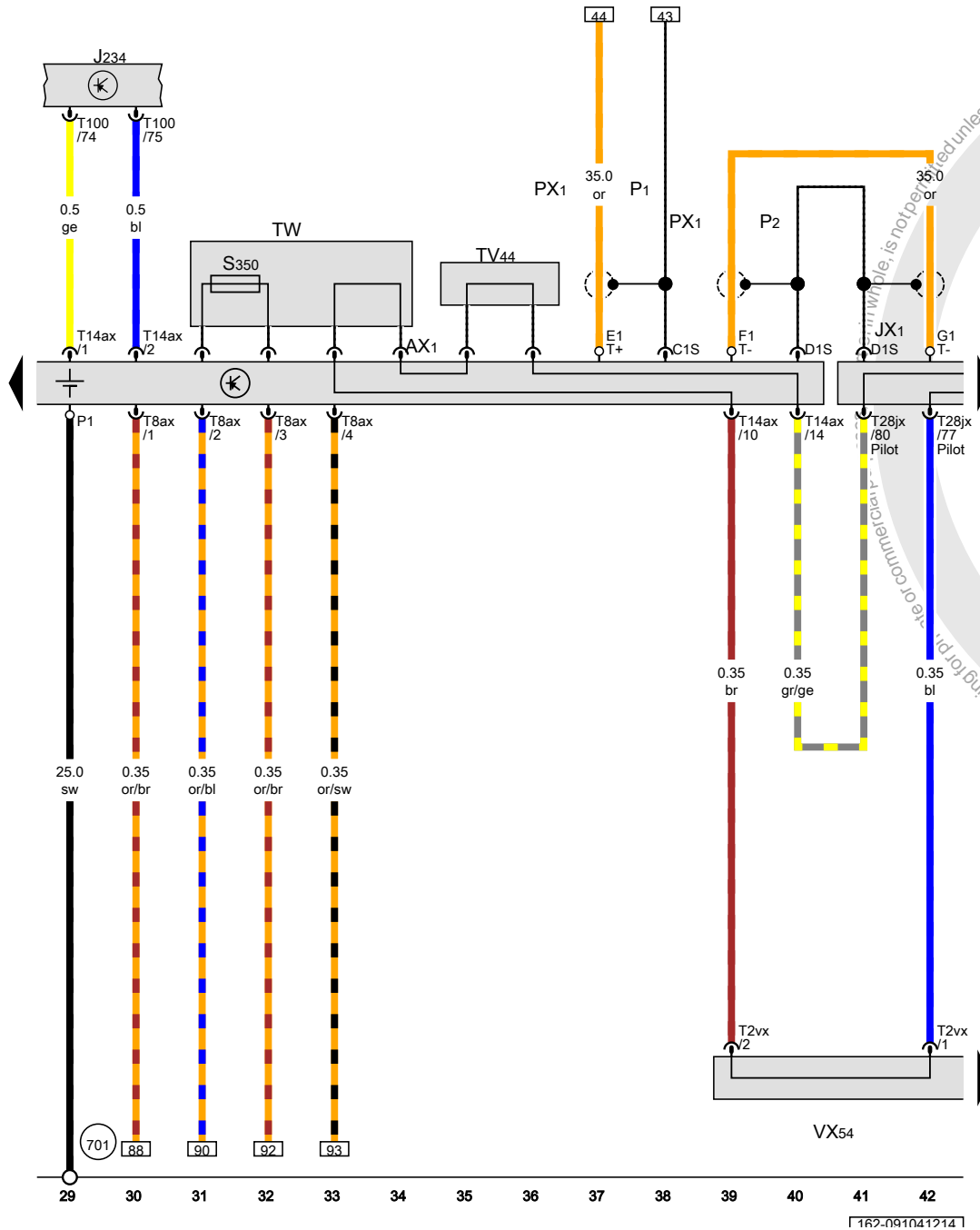
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 ps = pink

Hybrid battery unit, Hybrid battery, Battery regulation control unit, Fan enabling relay, Fuse holder C, Battery fan 1



- AX1 Hybrid battery unit
- A38 Hybrid battery
- J840 Battery regulation control unit
- J937 Fan enabling relay
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC56 Fuse 56 on fuse holder C
- SC59 Fuse 59 on fuse holder C
- T4cx 4-pin connector, brown
- T4lh 4-pin connector, brown
- T5lh 5-pin connector
- T14ax 14-pin connector
- V457 Battery fan 1
- 662 Earth point, rear left side panel
- 816 Earth connection 1, in hybrid system wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B324 Positive connection 10 (30a) in main wiring harness
- B326 Positive connection 12 (30a) in main wiring harness

- ws = white
- sw = black
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- rs = pink



Hybrid battery unit, Power and control electronics for electric drive, High-voltage wiring harness for high-voltage battery, Pilot line connector 1, Maintenance connector for high-voltage system, Three-phase current drive

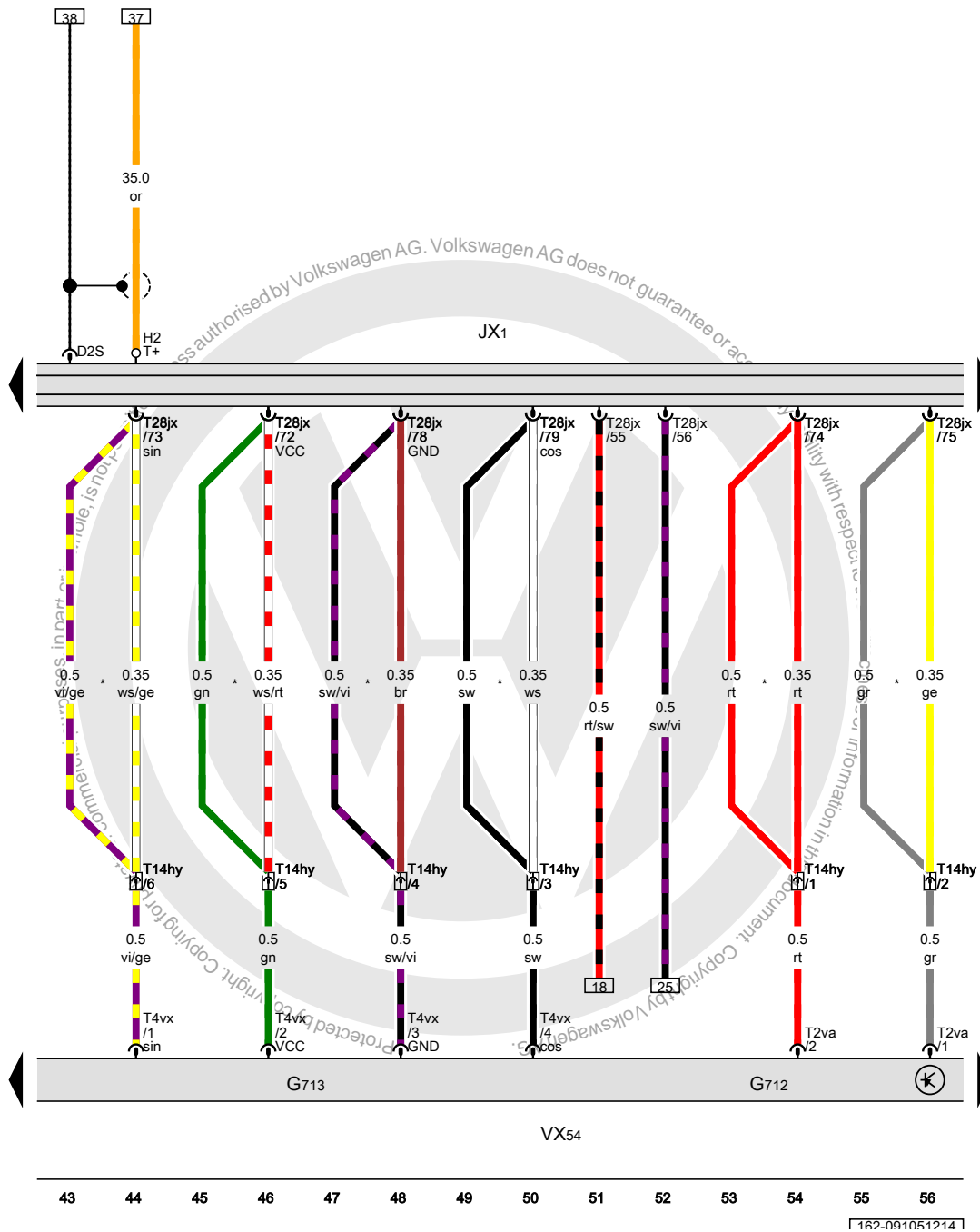
- AX1 Hybrid battery unit
- JX1 Power and control electronics for electric drive
- J234 Airbag control unit
- PX1 High-voltage wiring harness for high-voltage battery
- P1 High-voltage wire for hybrid battery, positive terminal
- P2 High-voltage wire for hybrid battery, negative terminal
- S350 High-voltage system fuse 1
- T2vx 2-pin connector
- T8ax 8-pin connector
- T14ax 14-pin connector
- T28jx 28-pin connector
- TV44 Pilot line connector 1
- T100 100-pin connector
- TW Maintenance connector for high-voltage system
- VX54 Three-phase current drive
- 701 Earth point in luggage compartment

- ws = white
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- bl = blue
- gr = grey
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- ge = yellow
- or = orange
- rs = pink

162-091041214

Drive motor temperature sender, Power and control electronics for electric drive, Three-phase current drive

- G712 Drive motor temperature sender
- G713 Drive motor rotor position sender 1
- JX1 Power and control electronics for electric drive
- T2va 2-pin connector
- T4vx 4-pin connector
- T14hy 14-pin connector, black
- T28jx 28-pin connector
- VX54 Three-phase current drive
- * From December 2012



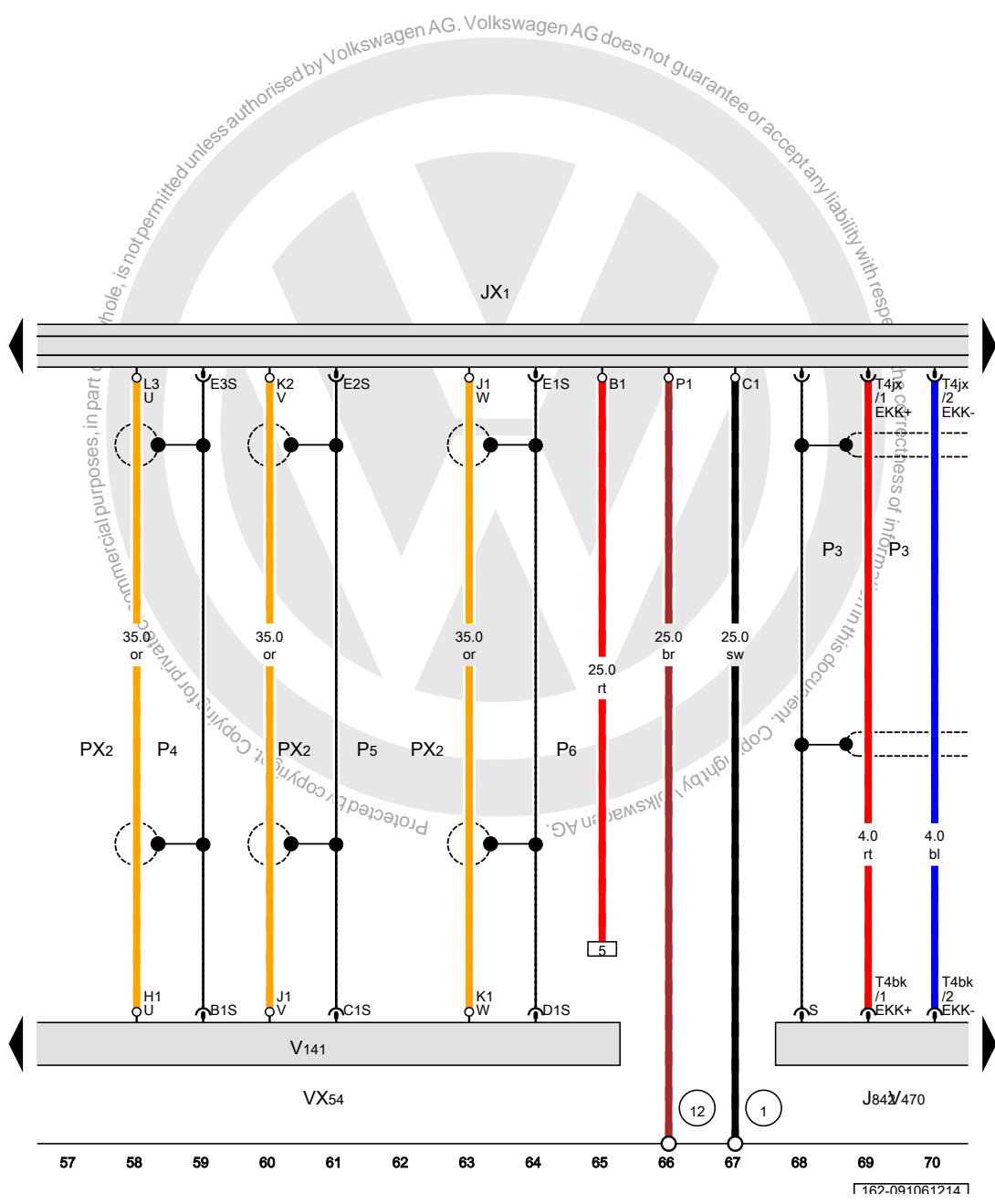
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- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-091051214

Power and control electronics for electric drive, Control unit for air conditioning compressor, High-voltage wiring harness for drive motor, High-voltage wire for electrical air conditioner compressor, Three-phase current drive, Electric drive motor, Electrical air conditioner compressor

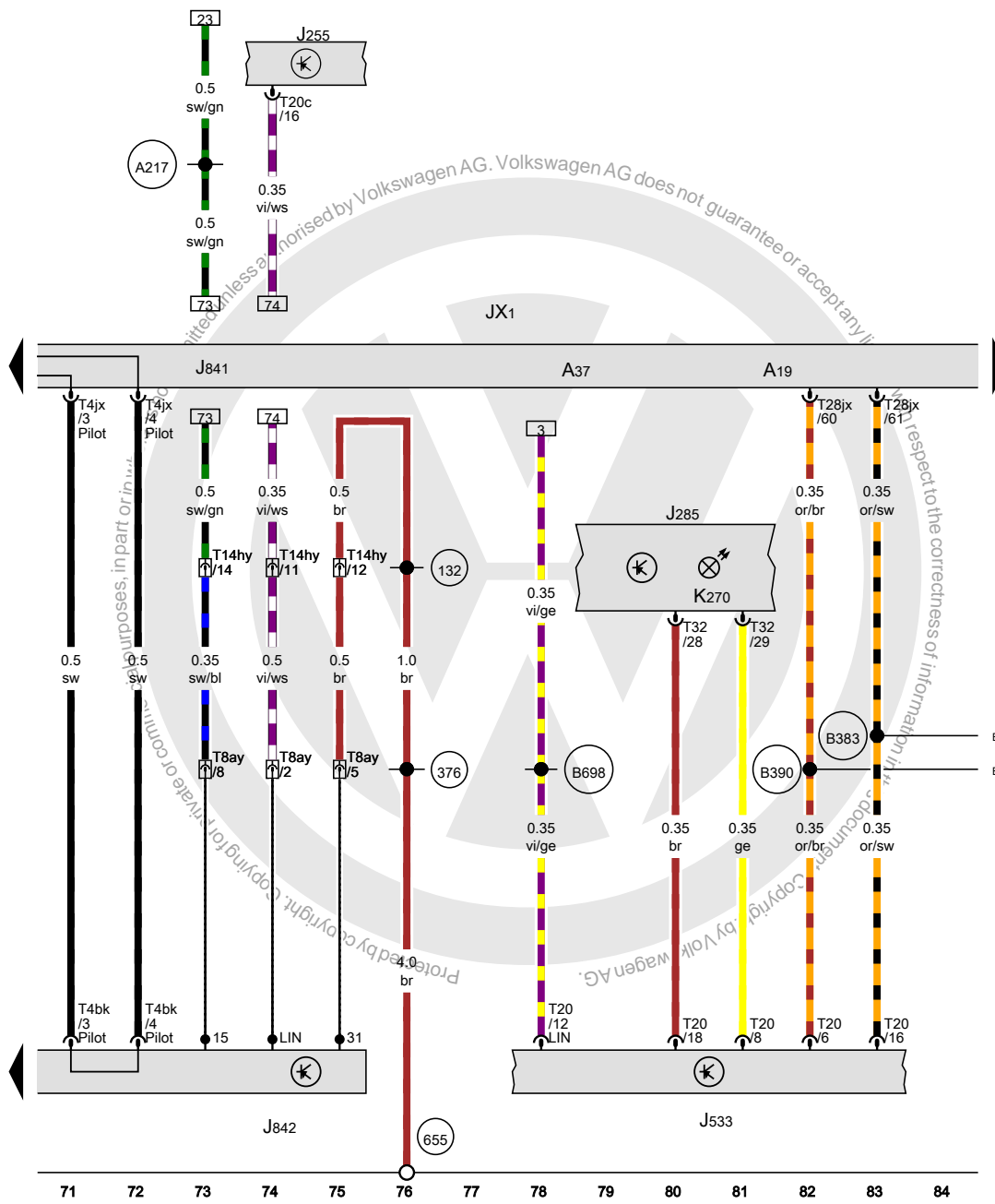
- JX1 Power and control electronics for electric drive
- J842 Control unit for air conditioning compressor
- PX2 High-voltage wiring harness for drive motor
- P3 High-voltage wire for electrical air conditioner compressor
- P4 High-voltage wire 1 for drive motor
- P5 High-voltage wire 2 for drive motor
- P6 High-voltage wire 3 for drive motor
- T4bk 4-pin connector
- T4jx 4-pin connector
- VX54 Three-phase current drive
- V141 Electric drive motor
- V470 Electrical air conditioner compressor

- 1 Earth strap, battery - body, on left on bulkhead
- 12 Earth point, on left in engine compartment



- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
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162-091061214



Voltage converter, DC/AC converter for drive motor, Power and control electronics for electric drive, Control unit in dash panel insert, Data bus diagnostic interface, Electric drive control unit, Control unit for air conditioning compressor, Electric drive warning lamp

- A19 Voltage converter
- A37 DC/AC converter for drive motor
- JX1 Power and control electronics for electric drive
- J255 Climatronic control unit
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- J841 Electric drive control unit
- J842 Control unit for air conditioning compressor
- K270 Electric drive warning lamp
- T4bk 4-pin connector
- T4jx 4-pin connector
- T8ay 8-pin connector
- T14hy 14-pin connector, black
- T20 20-pin connector
- T20c 20-pin connector
- T28jx 28-pin connector
- T32 32-pin connector

- (132) Earth connection 3, in engine compartment wiring harness
- (376) Earth connection 11, in main wiring harness
- (655) Earth point, on left headlight
- (A217) Positive connection 8 (15a) in dash panel wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B698) Connection 3 (LIN bus) in main wiring harness

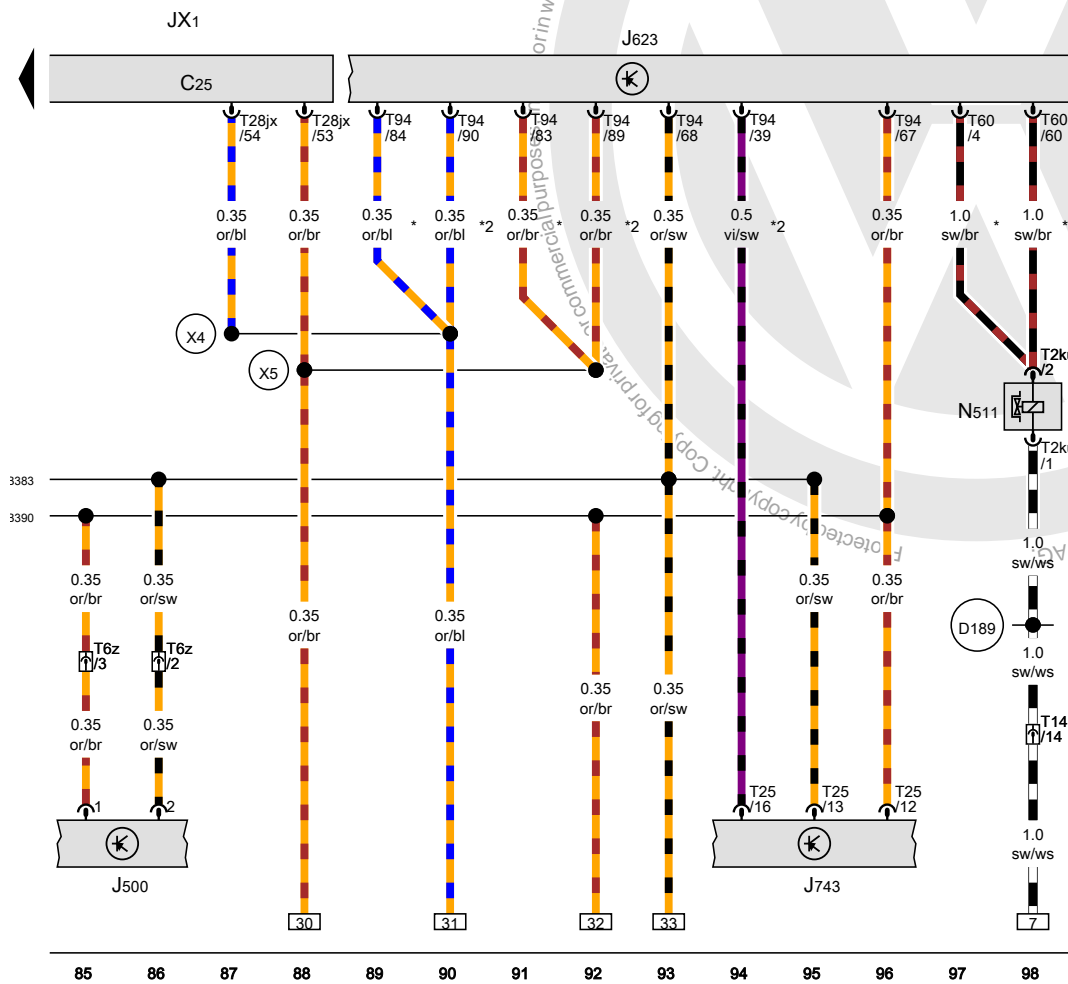
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- gr = grey
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- ge = yellow
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162-091071214

Power and control electronics for electric drive, Engine control unit, Pressure regulator for disengagement clutch

- C25 Intermediate circuit capacitor 1
- JX1 Power and control electronics for electric drive
- J500 Power steering control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- N511 Pressure regulator for disengagement clutch
- T2ku 2-pin connector
- T6z 6-pin connector
- T14 14-pin connector
- T25 25-pin connector
- T28jx 28-pin connector
- T60 60-pin connector
- T94 94-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- D189 Connection (87a) in engine prewiring harness
- X4 Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
- X5 Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness
- * Not for American markets
- *2 Only for American markets



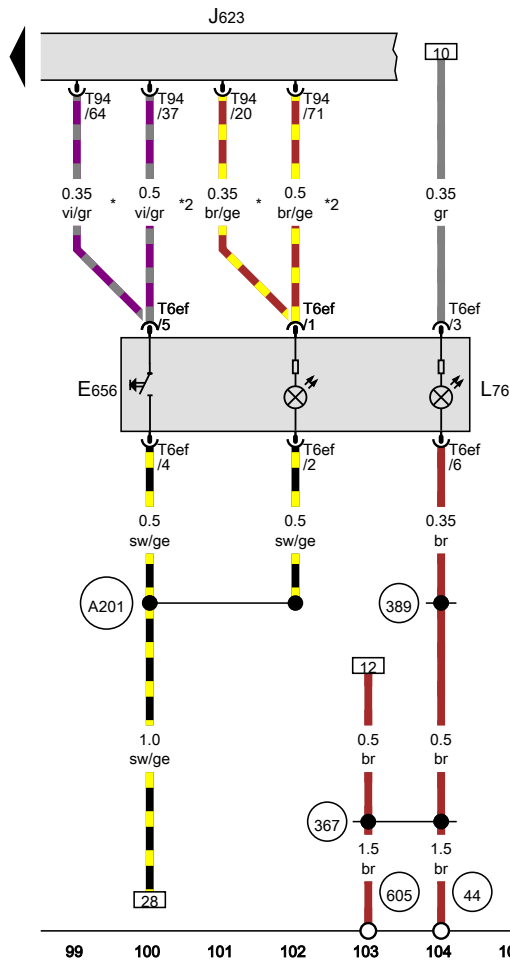
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-091081214

Button for electric drive, Engine control unit

- E656 Button for electric drive
- J623 Engine control unit
- L76 Button illumination bulb
- T6ef 6-pin connector
- T94 94-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- A201 Positive connection 6 (15a) in dash panel wiring harness
- * Not for American markets
- *2 Only for American markets



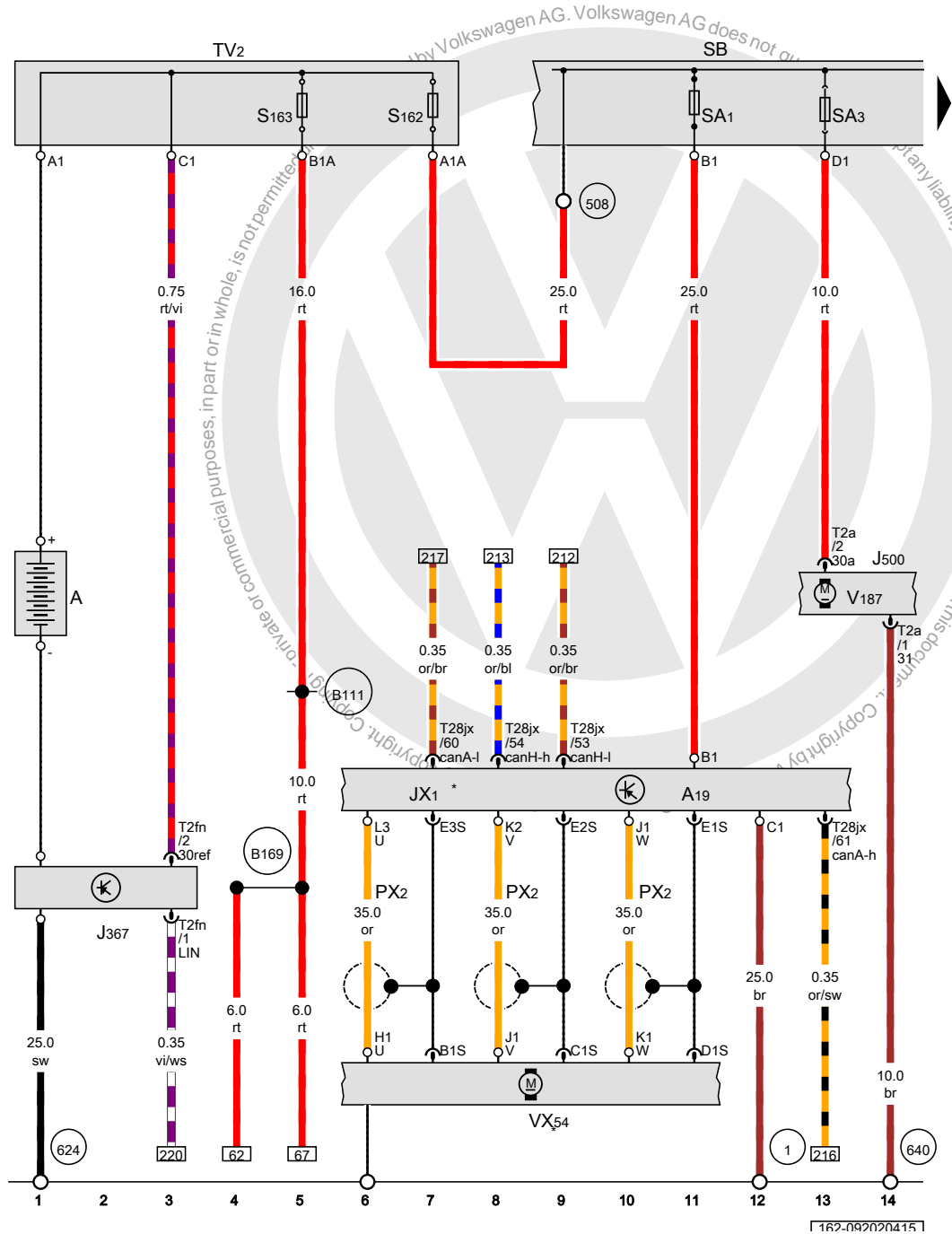
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- gn = green
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- gr = grey
- li = purple
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1.4l petrol engine , CNLA

From June 2012





Battery, Voltage converter, Power and control electronics for electric drive, Battery monitor control unit, High-voltage wiring harness for drive motor, Fuse 1 in fuse holder A, Fuse 3 in fuse holder A, Fuse holder B, Terminal 30 wiring junction, Three-phase current drive

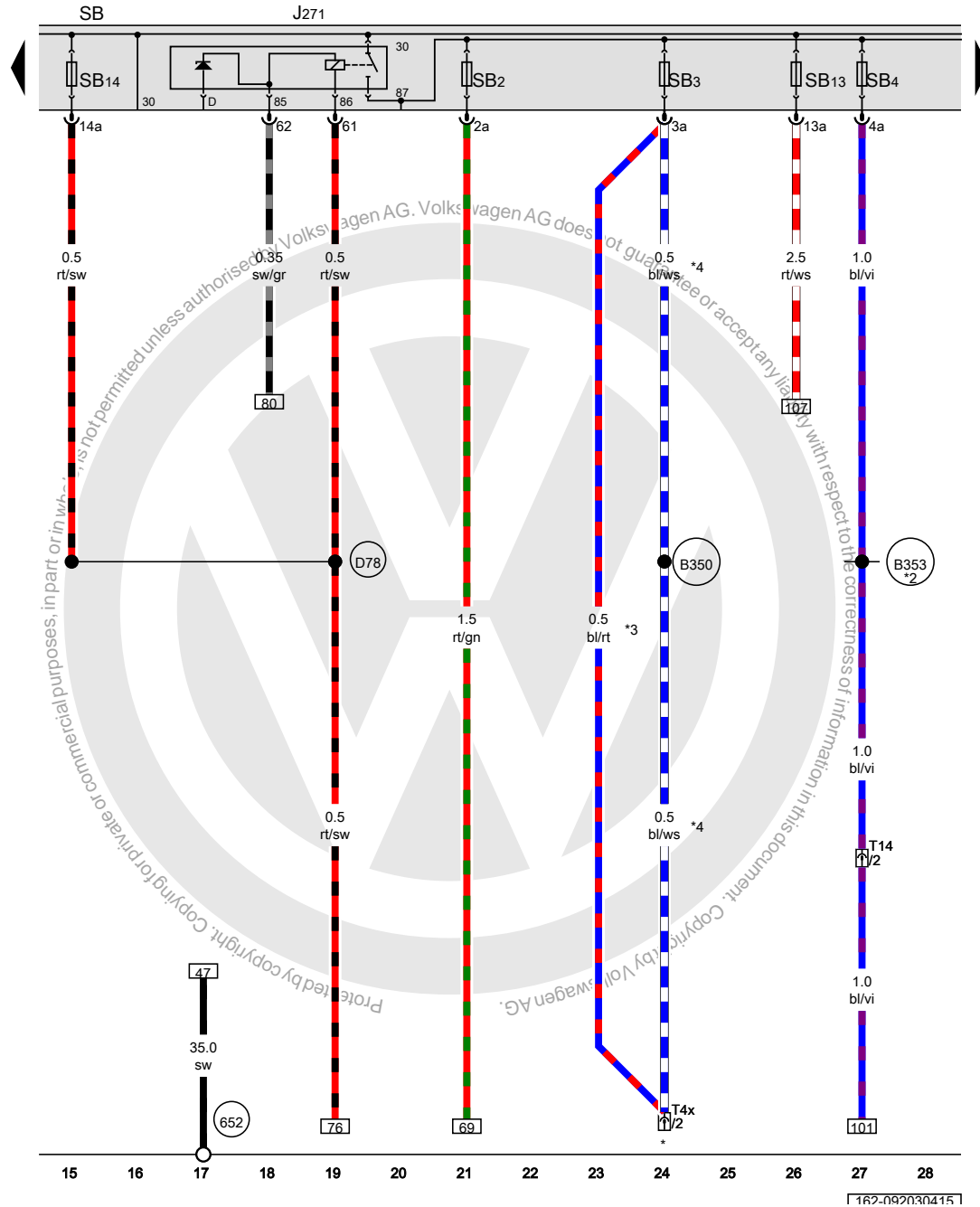
- A Battery, on left in luggage compartment
- A19 Voltage converter
- JX1 Power and control electronics for electric drive
- J367 Battery monitor control unit, on earth cable battery clamp
- J500 Power steering control unit
- PX2 High-voltage wiring harness for drive motor
- SA1 Fuse 1 in fuse holder A
- SA3 Fuse 3 in fuse holder A
- S162 Fuse 1 (30), in battery fuse holder
- S163 Fuse 2 (30), in battery fuse holder
- SB Fuse holder B
- T2a 2-pin connector
- T2fn 2-pin connector
- T28jx 28-pin connector
- TV2 Terminal 30 wiring junction, on fuse holder, battery
- VX54 Three-phase current drive
- V187 Electromechanical power steering motor

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- 624 Earth point, starter battery
- 640 Earth point 2, left in engine compartment
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness

* see applicable current flow diagram for high-voltage system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-092020415



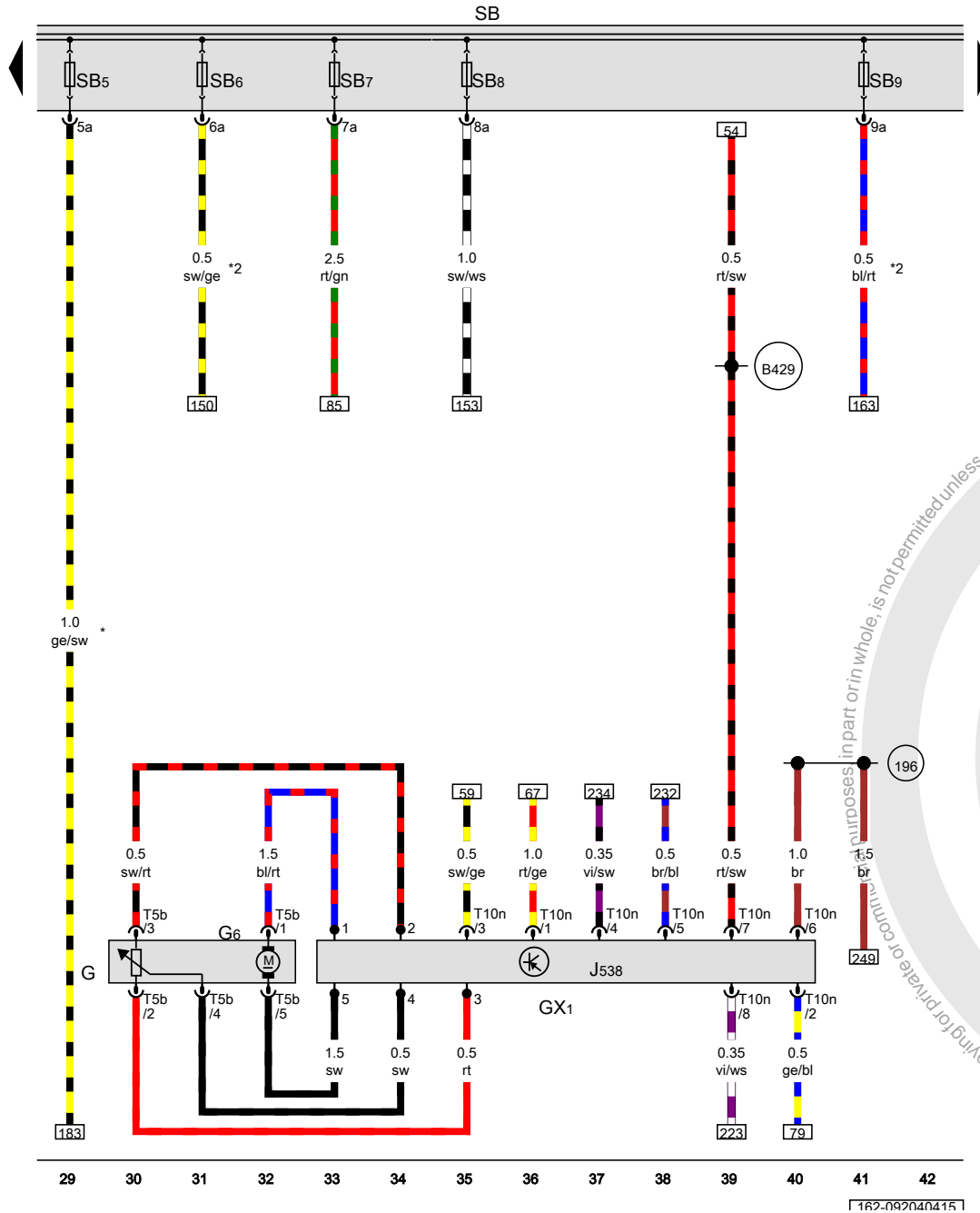
Main relay, Fuse holder B

- J271 Main relay
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T4x 4-pin connector
- T14 14-pin connector

- 652 Earth point, engine and gearbox earth
- B350 Positive connection 1 (87a) in main wiring harness
- B353 Positive connection 4 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Radiator fan connection
- *2 Gradually discontinued
- *3 Up to May 2013
- *4 From June 2013

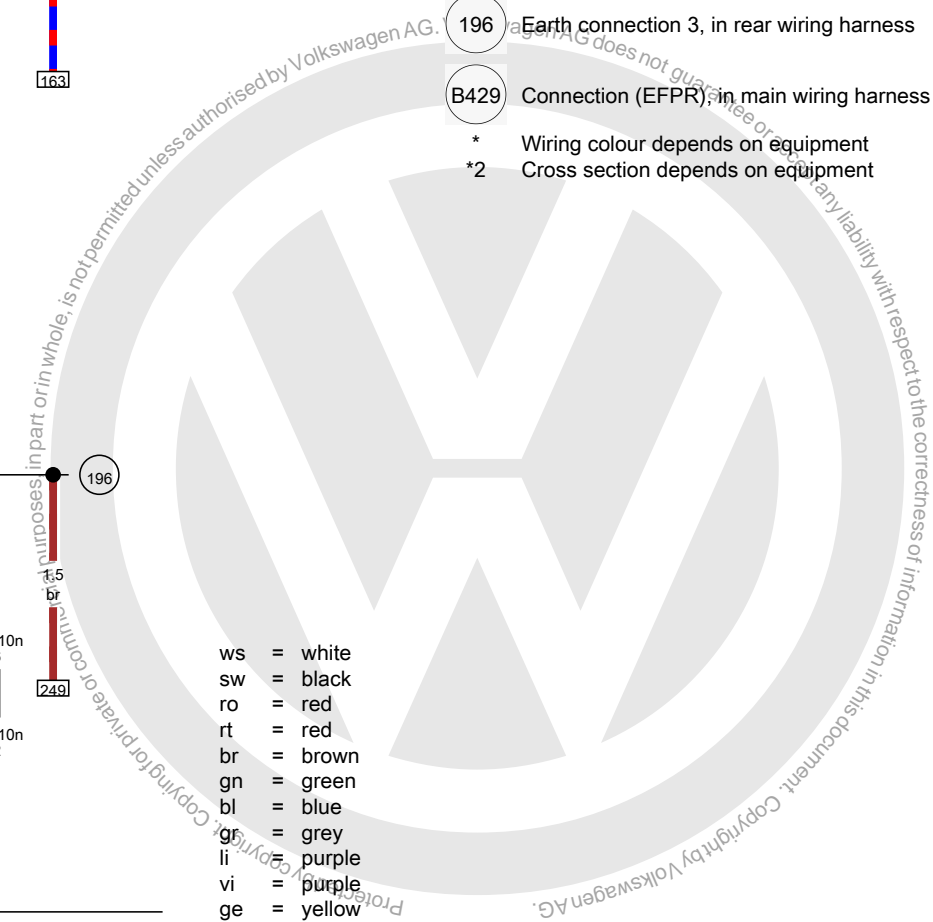
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Fuel gauge sender, Fuel delivery unit, Fuel system pressurisation pump, Fuel pump control unit, Fuse holder B

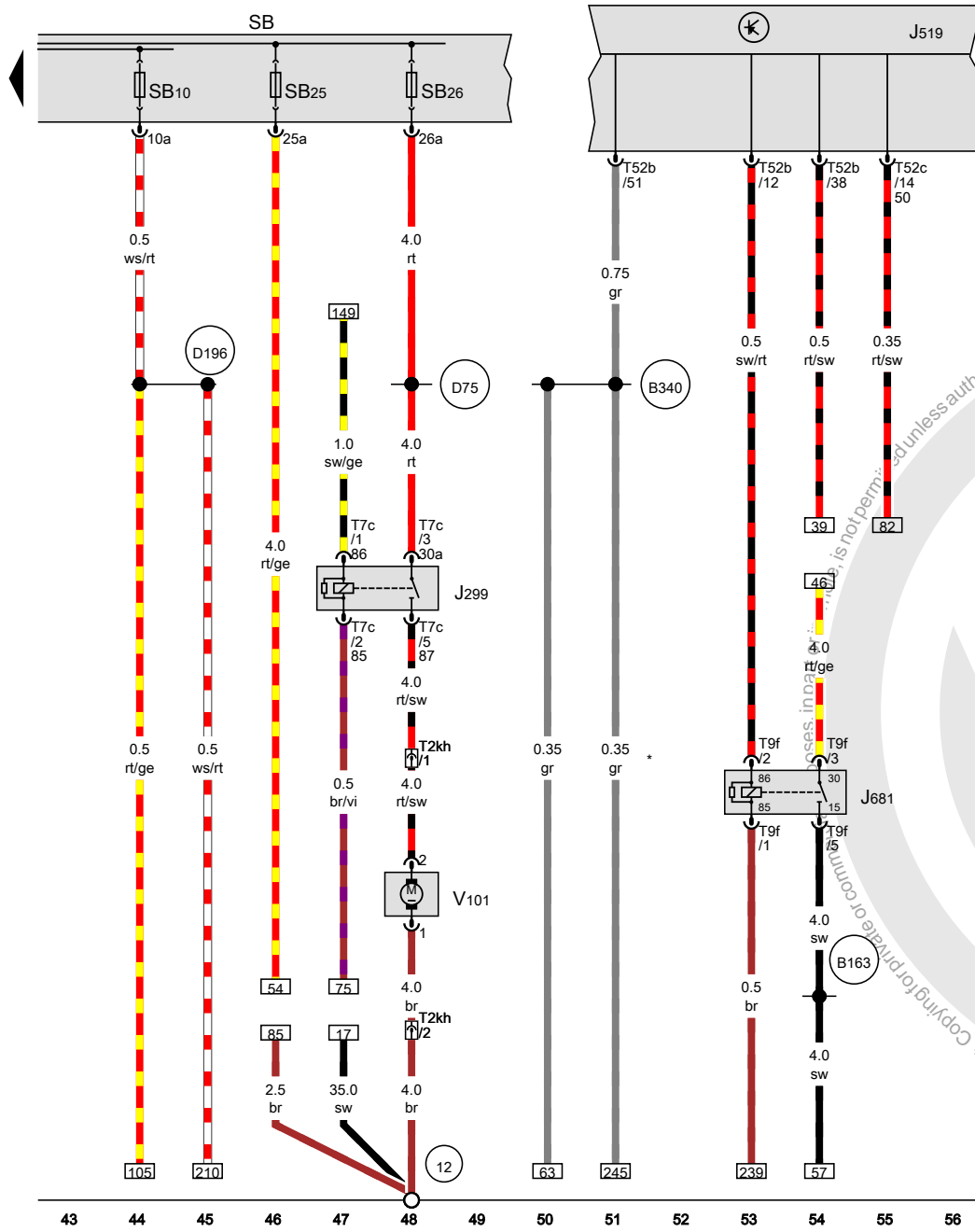


- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- 196 Earth connection 3, in rear wiring harness
- B429 Connection (EFPR), in main wiring harness
- * Wiring colour depends on equipment
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-0920404151



Secondary air pump relay, Onboard supply control unit, Terminal 15 voltage supply relay 2, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B
- T2kh 2-pin connector
- T7c 7-pin connector
- T9f 9-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V101 Secondary air pump motor

- 12 Earth point, on left in engine compartment
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- D75 Positive connection 2 (30), in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * According to equipment

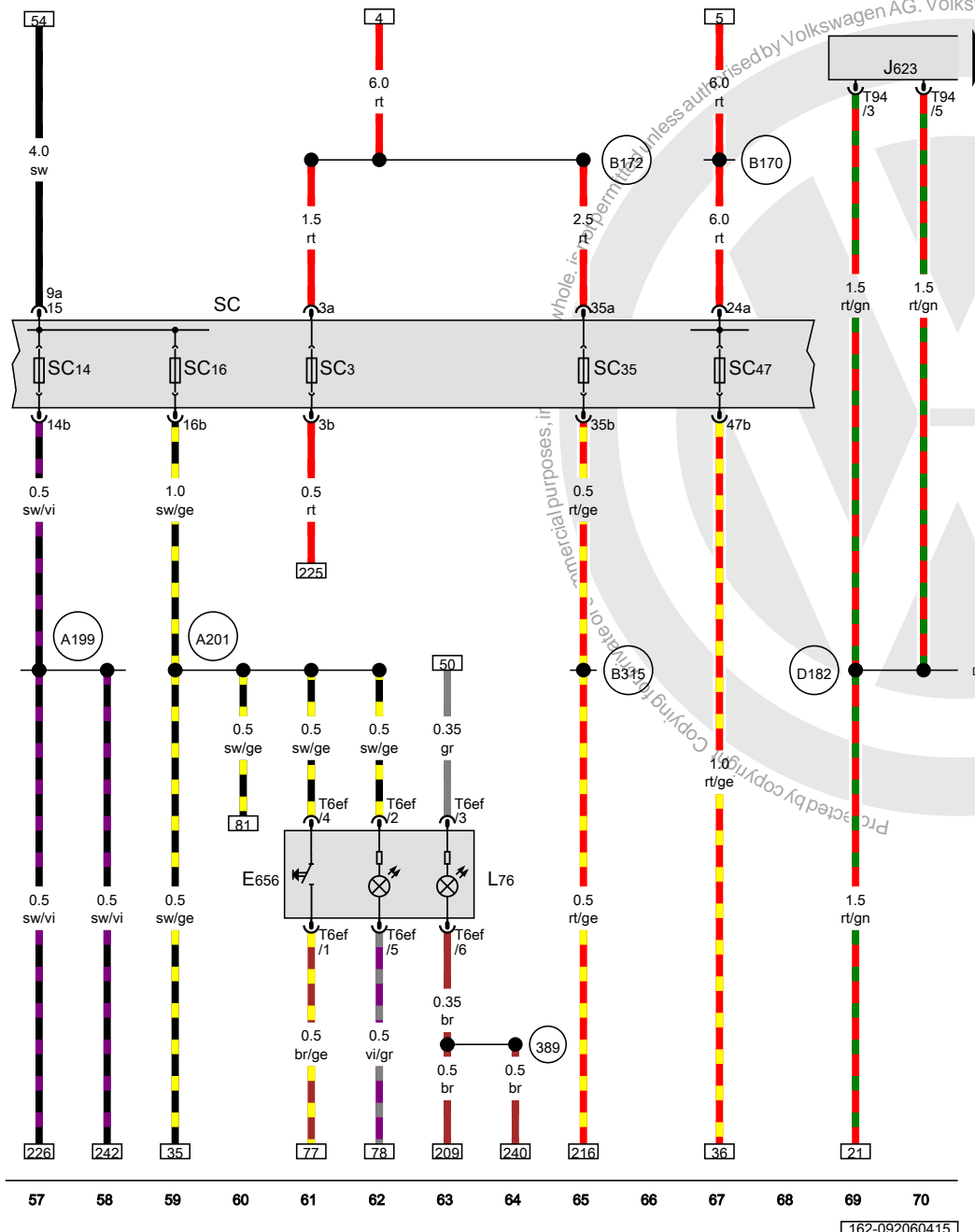
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- ro = red
- rt = red
- br = brown
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-092050415

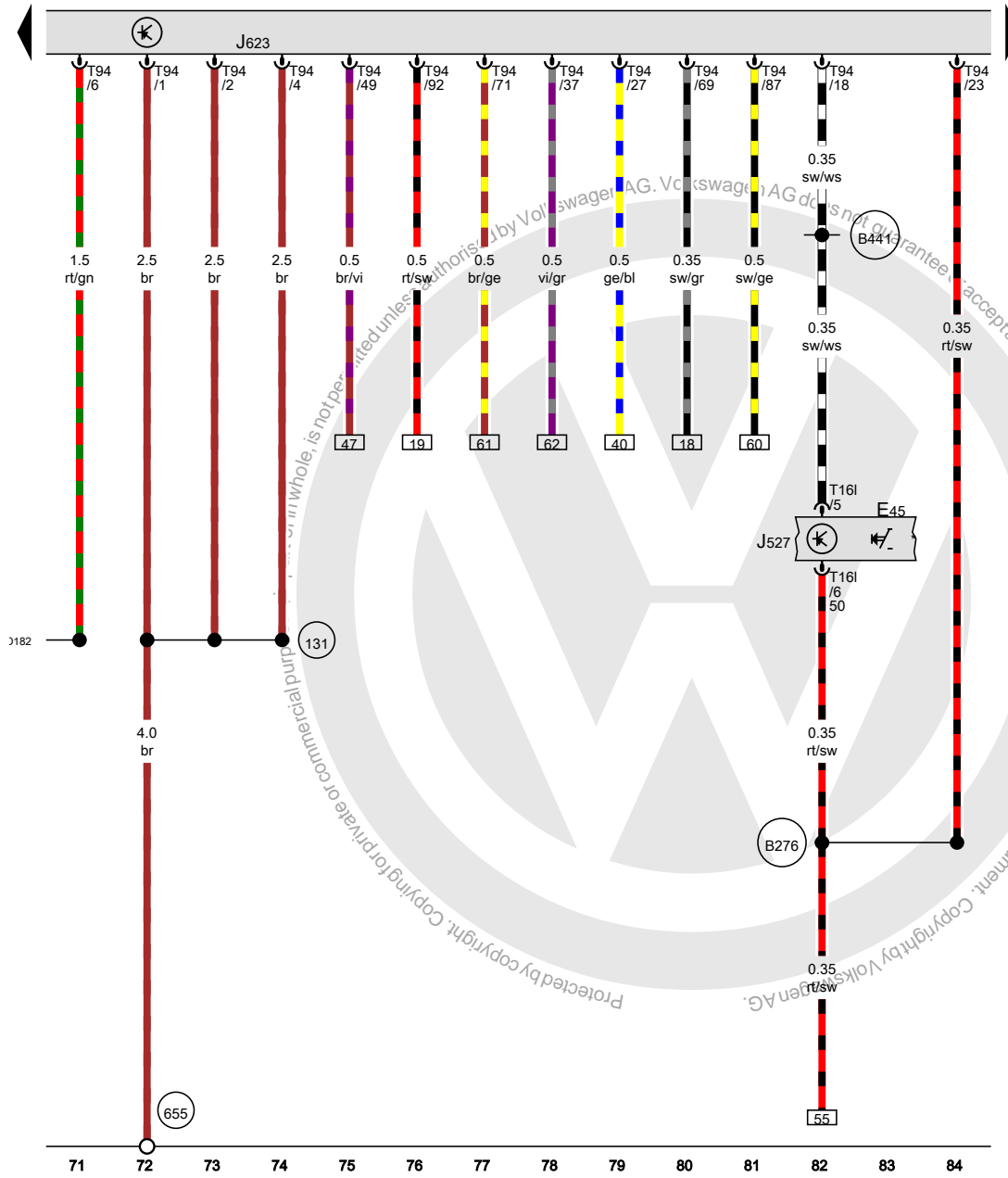
Button for electric drive, Engine control unit, Button illumination bulb, Fuse holder C

- E656 Button for electric drive
- J623 Engine control unit
- L76 Button illumination bulb
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T6ef 6-pin connector
- T94 94-pin connector

- 389 Earth connection 24, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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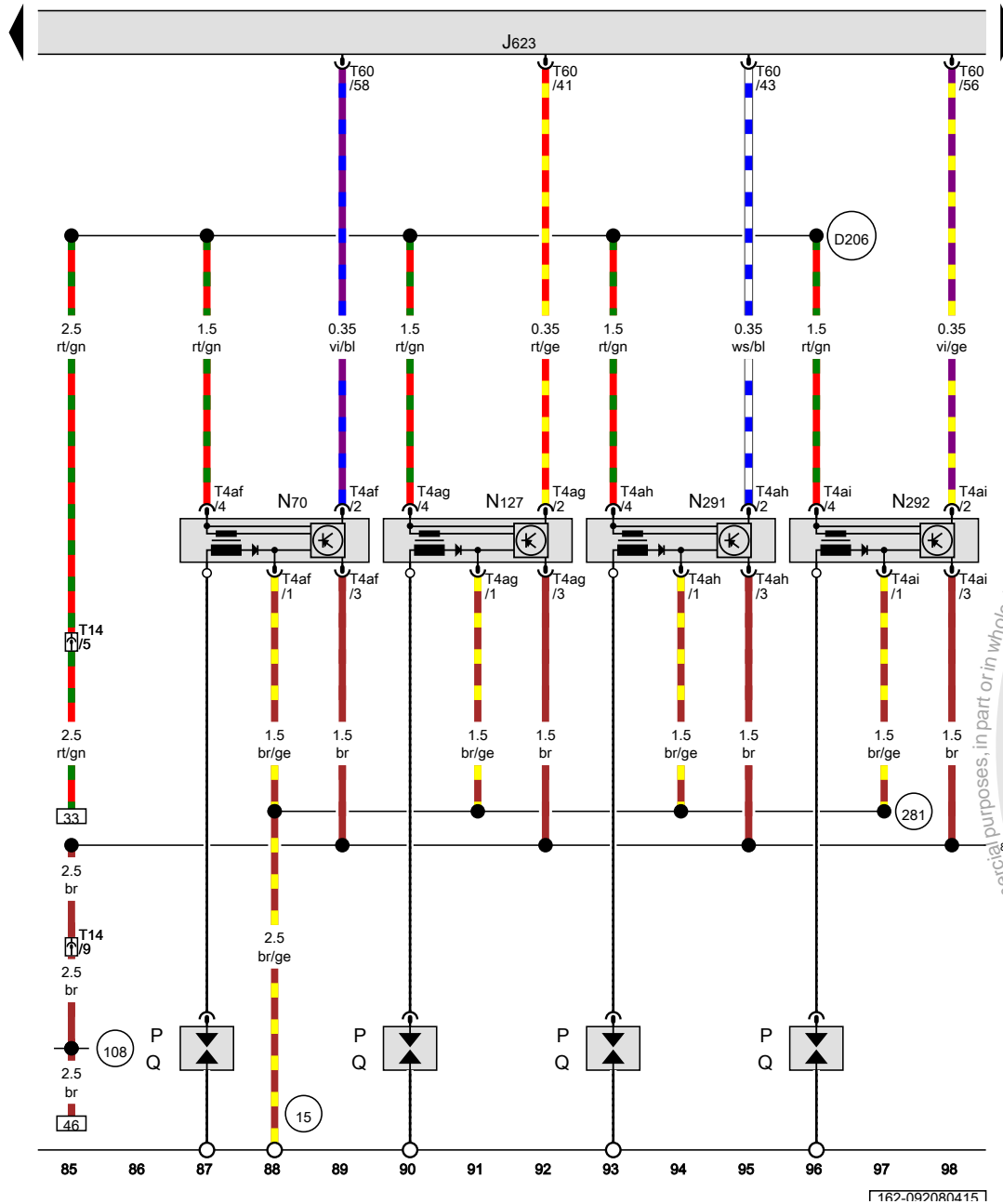
Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- T161 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B276 Positive connection (50), in main wiring harness
- B441 Connection (CCS), in main wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)

- ws = white
- sw = black
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- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-092070415



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

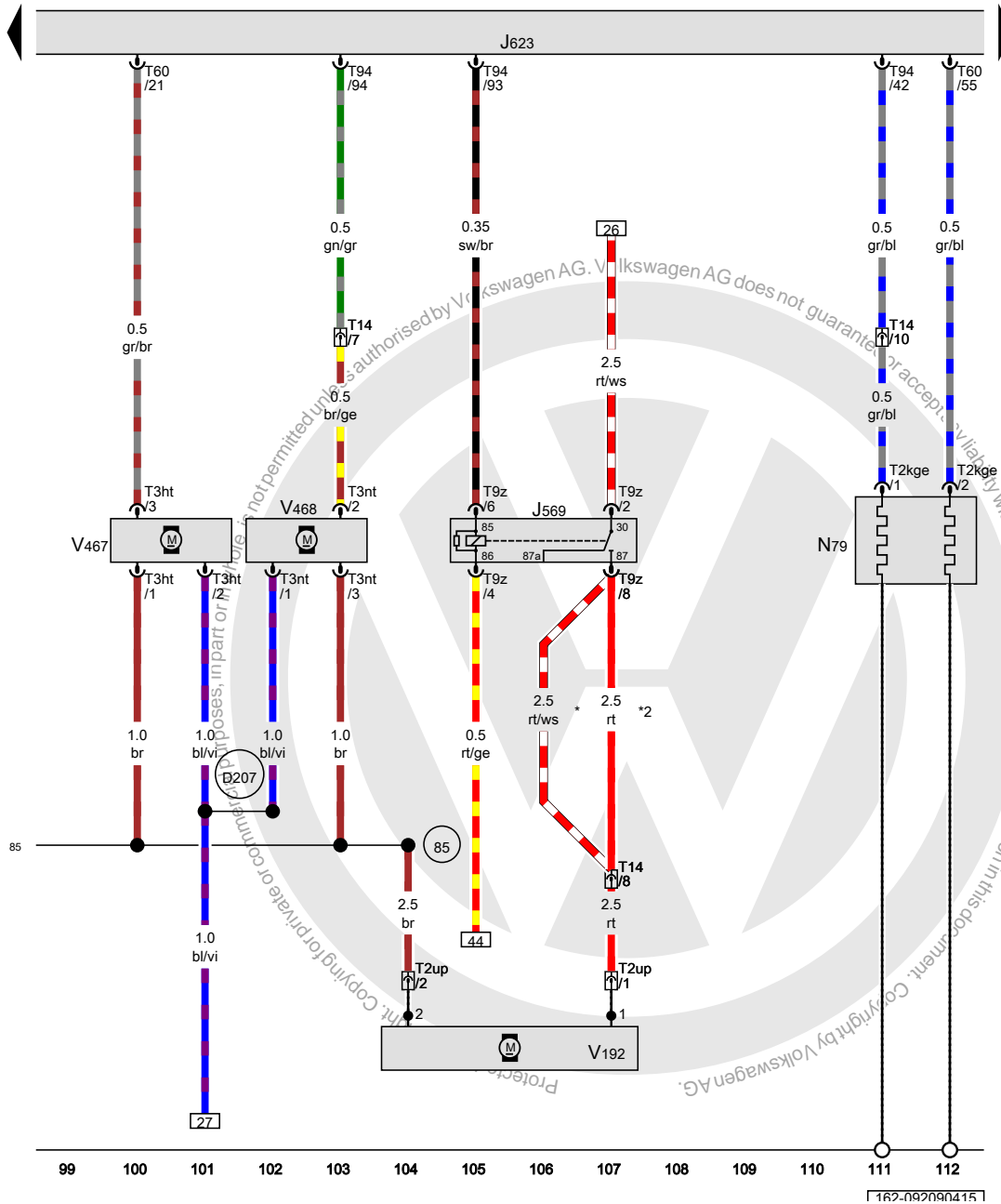
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T60 60-pin connector

- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- ws = white
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- ri = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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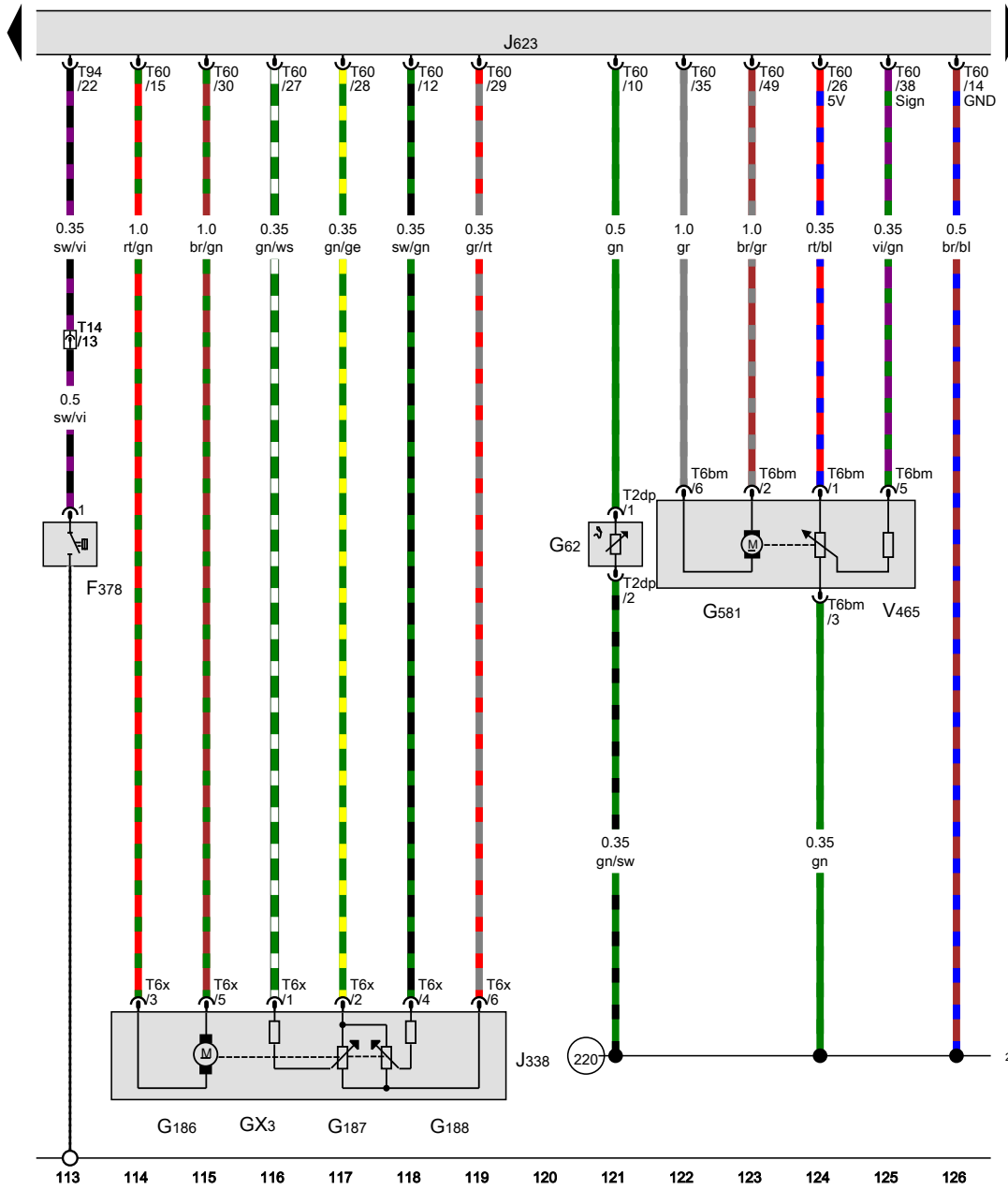
162-092080415

Brake servo relay, Engine control unit, Vacuum pump for brakes, Coolant pump for high-temperature circuit, Coolant pump for low-temperature circuit



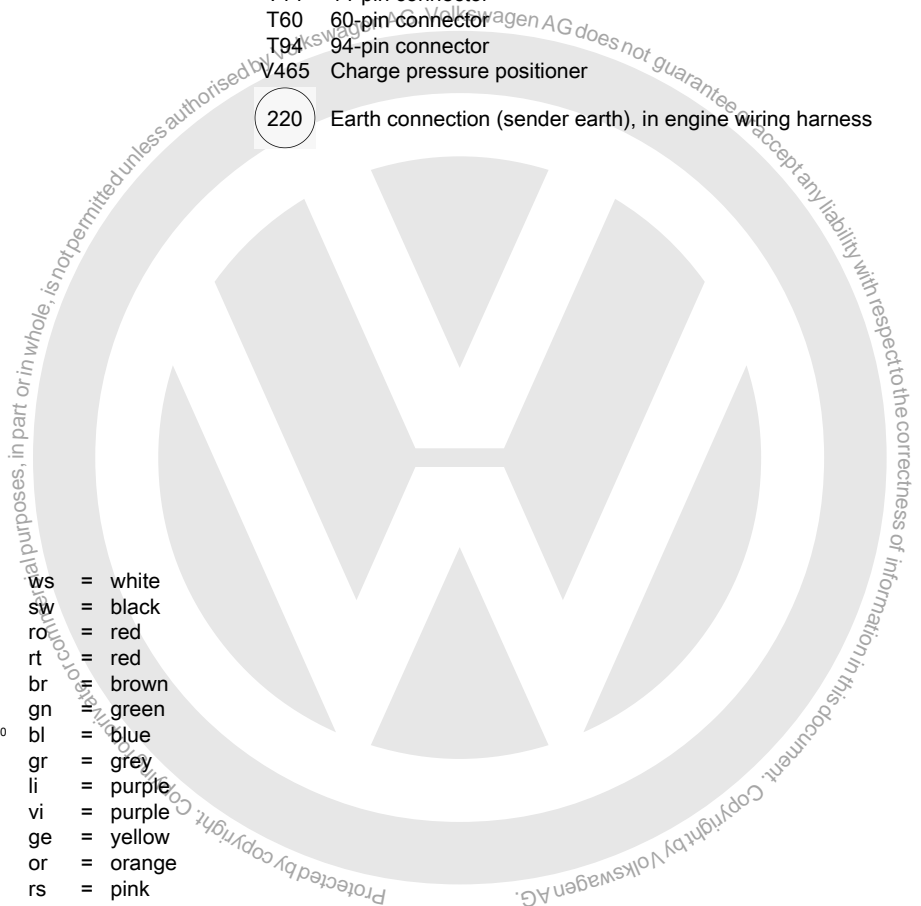
- J569 Brake servo relay
 - J623 Engine control unit
 - N79 Heater element for crankcase breather
 - T2kge 2-pin connector
 - T2up 2-pin connector
 - T3ht 3-pin connector
 - T3nt 3-pin connector
 - T9z 9-pin connector
 - T14 14-pin connector
 - T60 60-pin connector
 - T94 94-pin connector
 - V192 Vacuum pump for brakes
 - V467 Coolant pump for high-temperature circuit
 - V468 Coolant pump for low-temperature circuit
- 85 Earth connection 1, in engine compartment wiring harness
 - D207 Connection 7 (87a) in engine compartment wiring harness
- * Wiring colour depends on equipment
 *2 From July 2013

- ws = white
- sw = black
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink



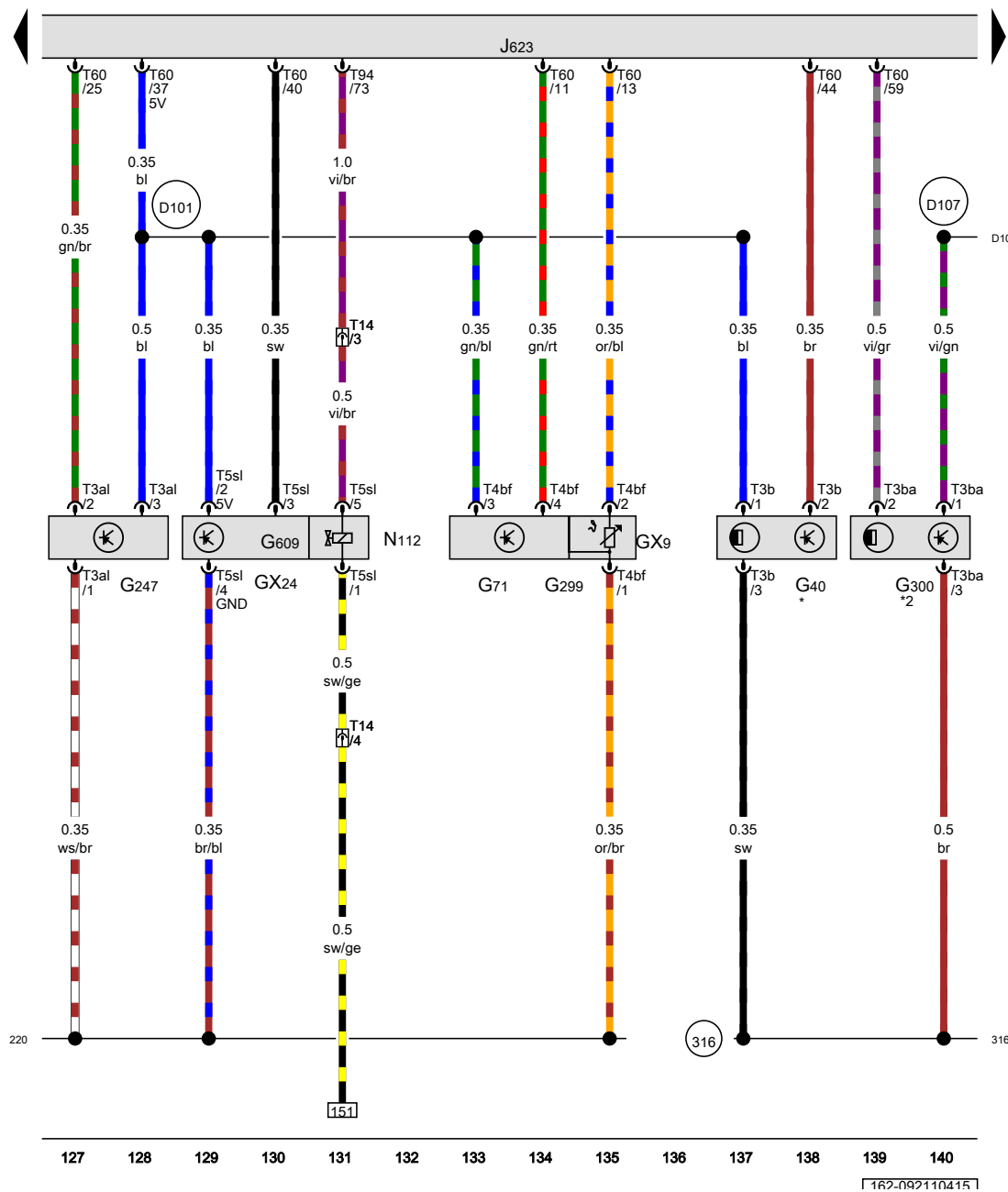
Oil pressure switch for reduced oil pressure, Throttle valve module, Position sender for charge pressure positioner, Throttle valve module, Engine control unit, Charge pressure positioner

- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- T2dp 2-pin connector
- T6bm 6-pin connector
- T6x 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V465 Charge pressure positioner
- 220 Earth connection (sender earth), in engine wiring harness



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- gr = grey
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- vi = purple
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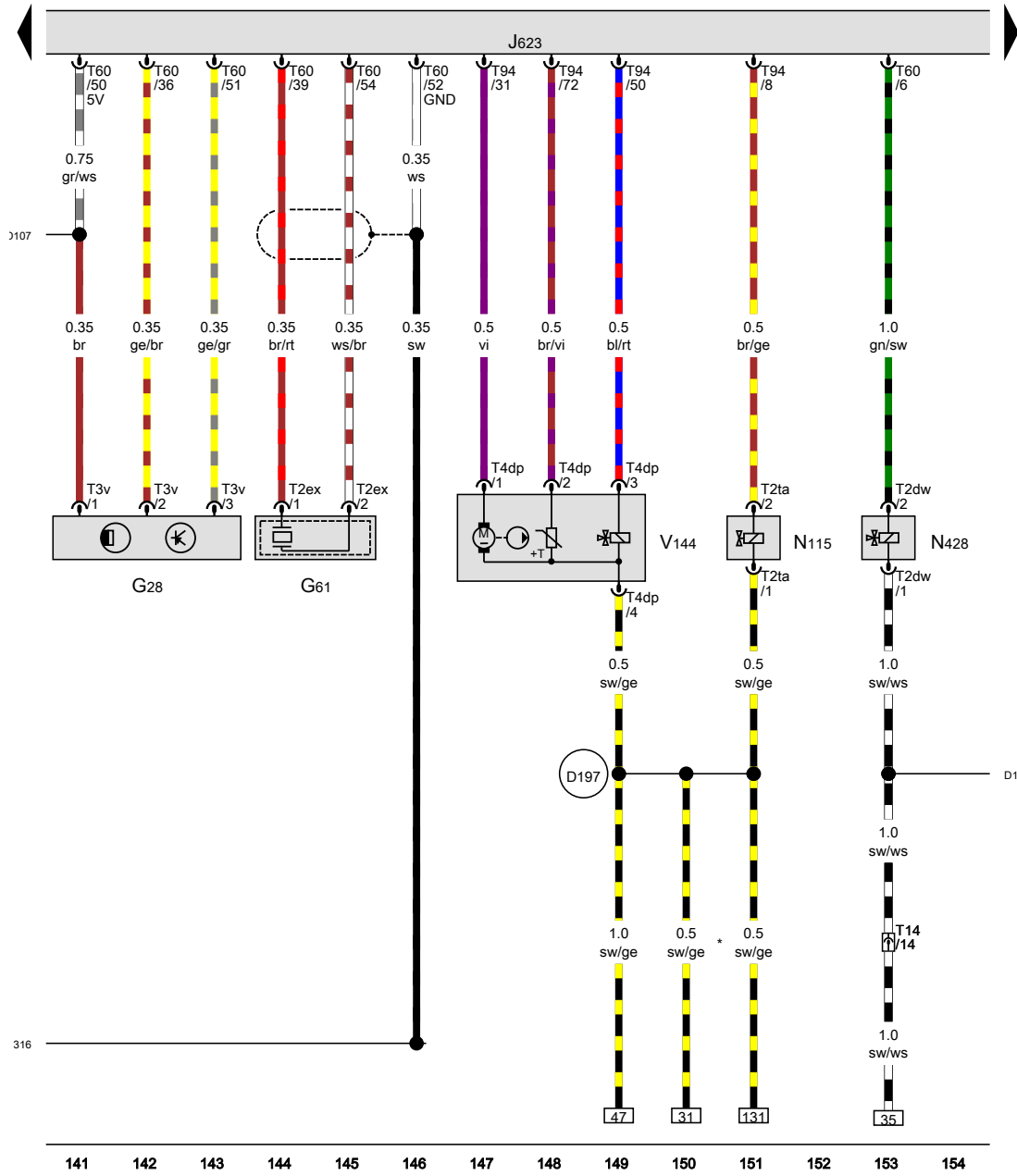
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Intake manifold sender, Secondary air system, Hall sender, Intake manifold pressure sender, Fuel pressure sender, Intake air temperature sender 2, Hall sender 3, Sender 1 for secondary air pressure, Engine control unit, Secondary air inlet valve

- GX9 Intake manifold sender
- GX24 Secondary air system
- G40 Hall sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- G300 Hall sender 3
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T3al 3-pin connector
- T3b 3-pin connector
- T3ba 3-pin connector
- T4bf 4-pin connector
- T5sl 5-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Camshaft sender - inlet valves
- *2 Camshaft sender - exhaust valves

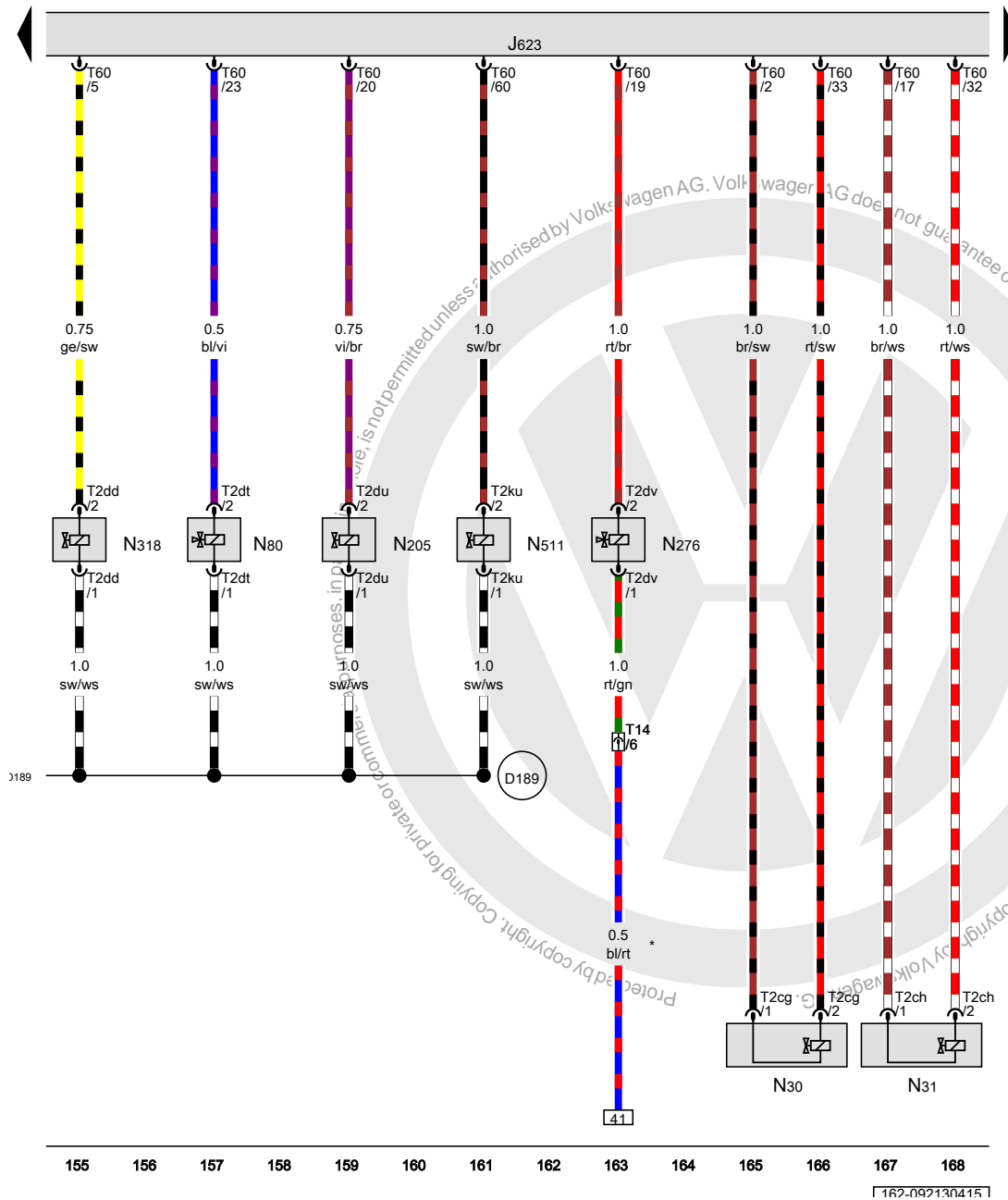
Engine speed sender, Knock sensor 1, Engine control unit, Valve for oil pressure control



- G28 Engine speed sender
- G61 Knock sensor 1
- J623 Engine control unit
- N115 Activated charcoal filter solenoid valve 2
- N428 Valve for oil pressure control
- T2dw 2-pin connector
- T2ex 2-pin connector
- T2ta 2-pin connector
- T3v 3-pin connector
- T4dp 4-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump

- (316) Earth connection (sender earth 2) in engine wiring harness
- (D107) Connection 5 in engine compartment wiring harness
- (D189) Connection (87a) in engine prewiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness
- * Cross section depends on equipment

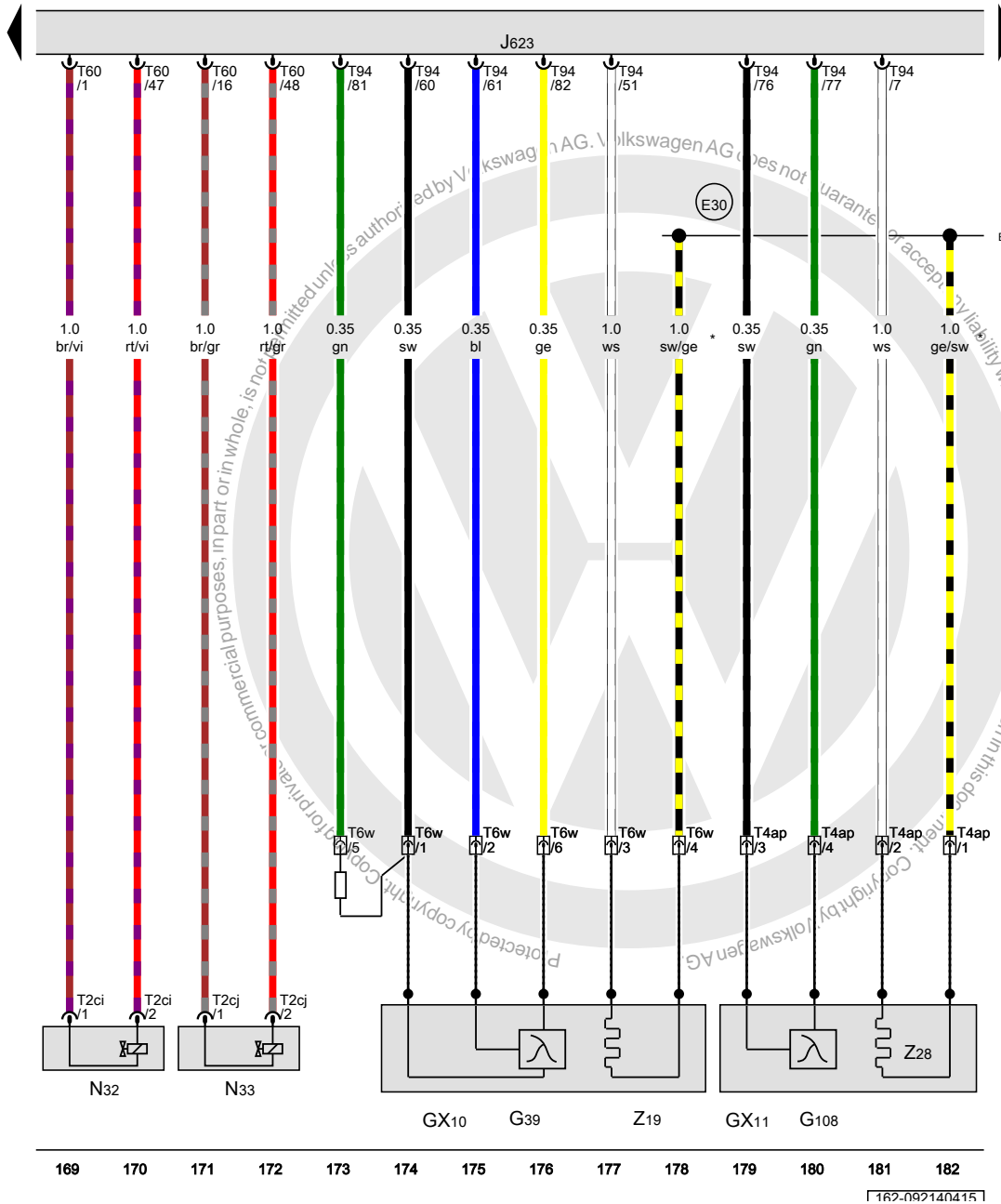
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- vi = purple
- ge = yellow
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Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Fuel pressure regulating valve, Exhaust camshaft control valve 1, Pressure regulator for disengagement clutch

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N276 Fuel pressure regulating valve
- N318 Exhaust camshaft control valve 1
- N511 Pressure regulator for disengagement clutch
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2dd 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2ku 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

D189 Connection (87a) in engine prewiring harness
 * Cross section depends on equipment



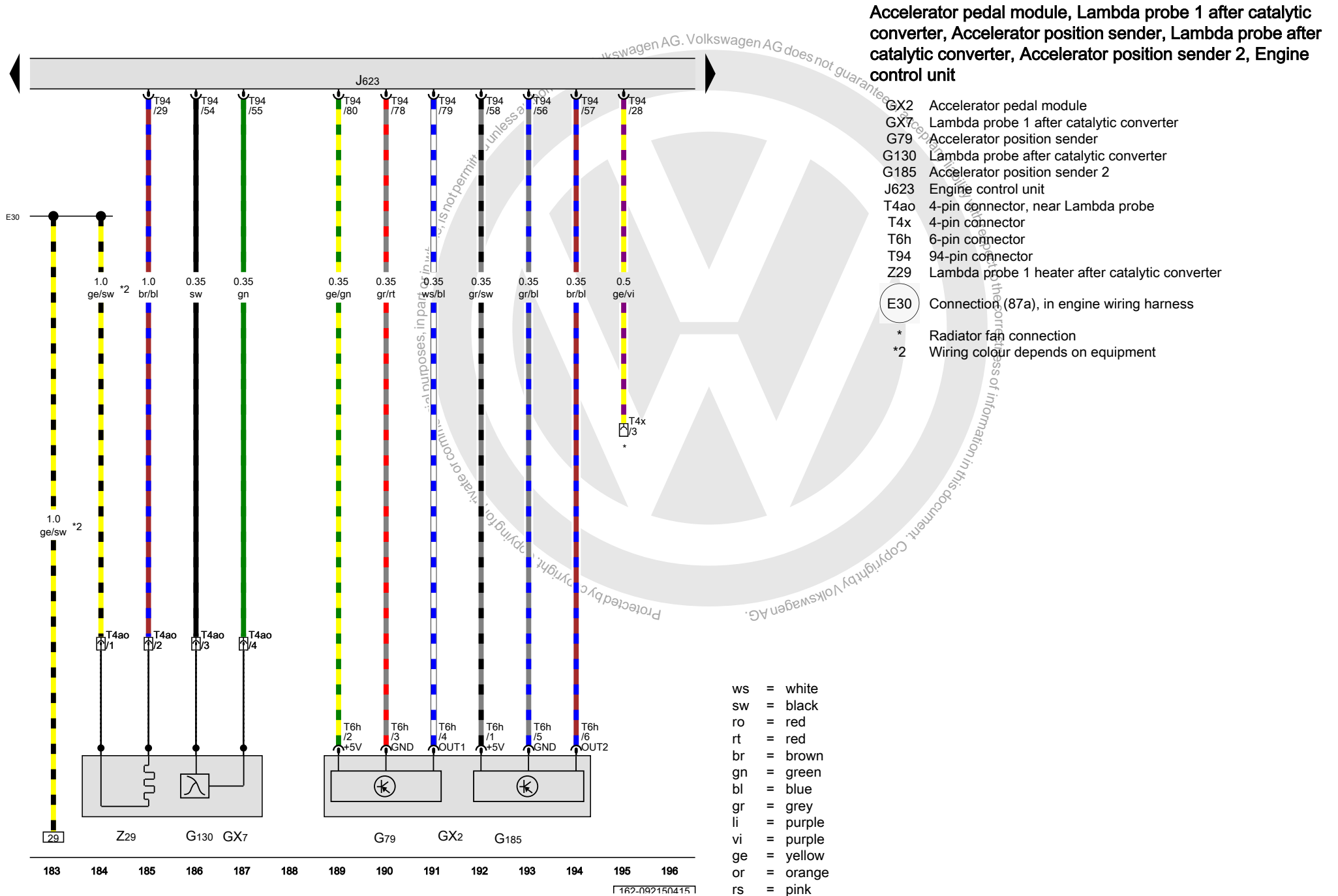
Lambda probe 1 before catalytic converter, Lambda probe 2 before catalytic converter, Lambda probe, Lambda probe 2, Engine control unit, Injector, cylinder 3, Injector, cylinder 4

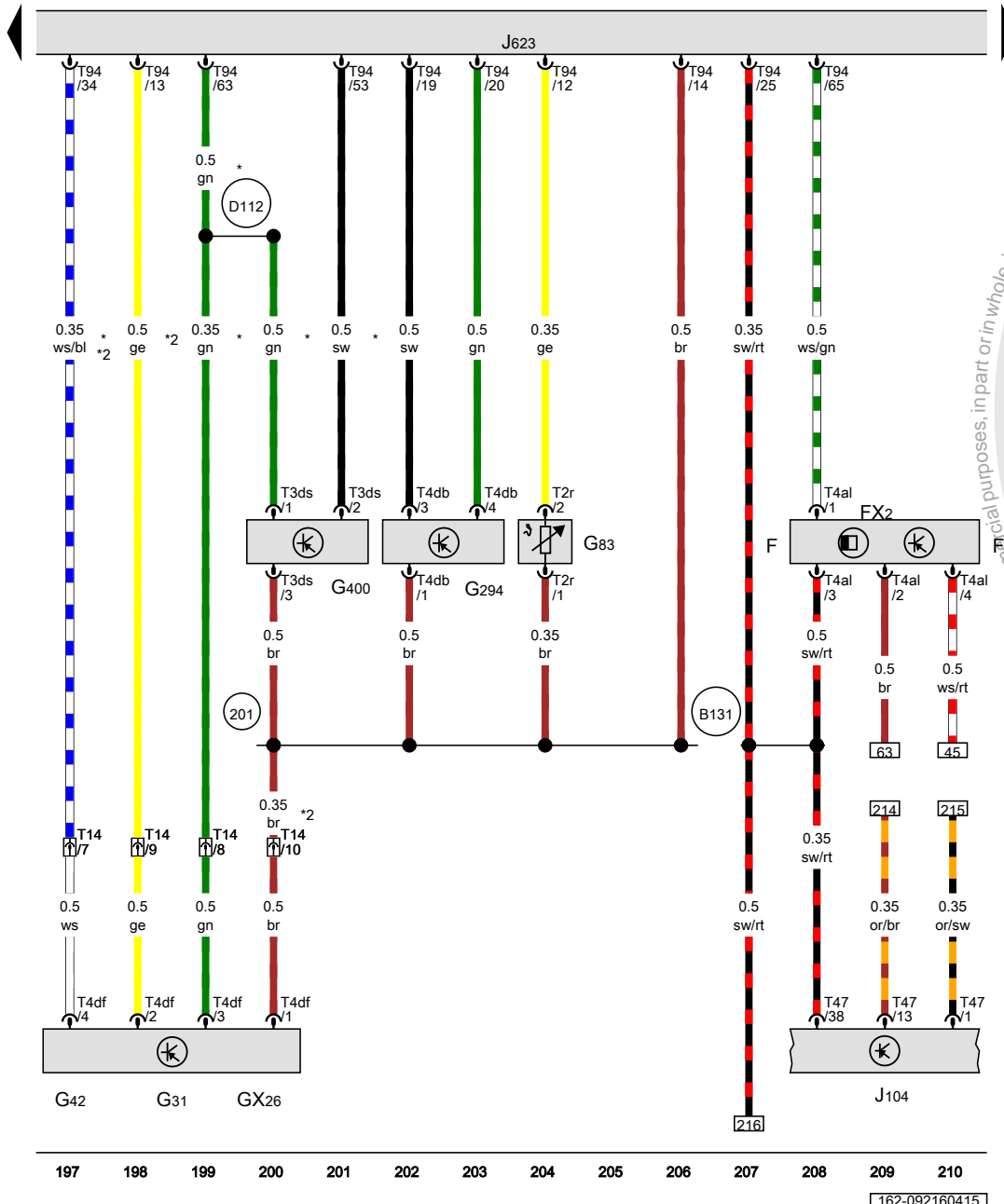
- GX10 Lambda probe 1 before catalytic converter
- GX11 Lambda probe 2 before catalytic converter
- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2ci 2-pin connector
- T2cj 2-pin connector
- T4ap 4-pin connector
- T6w 6-pin connector, in rear of engine compartment
- T60 60-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z28 Lambda probe heater 2

E30 Connection (87a), in engine wiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



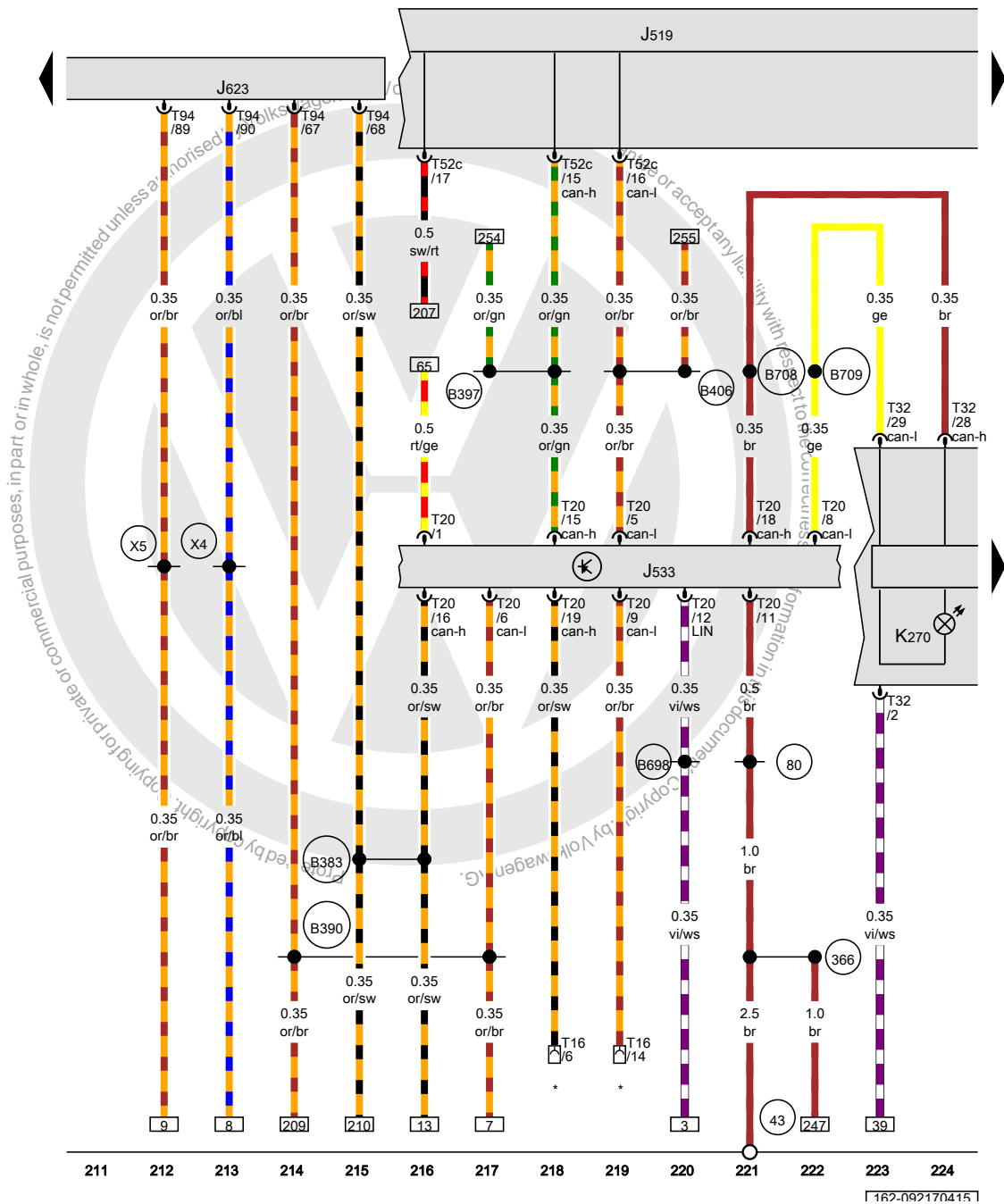


Brake light switch, Brake pedal switch, Charge pressure sender, Charge pressure sender, Intake air temperature sender, Radiator outlet coolant temperature sender, Brake servo pressure sensor, Tank pressure sensor, Engine control unit

- F Brake light switch
- FX2 Brake pedal switch
- F47 Brake pedal switch
- GX26 Charge pressure sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G83 Radiator outlet coolant temperature sender
- G294 Brake servo pressure sensor
- G400 Tank pressure sensor
- J104 ABS control unit
- J623 Engine control unit
- T2r 2-pin connector
- T3ds 3-pin connector
- T4al 4-pin connector
- T4db 4-pin connector
- T4df 4-pin connector
- T14 14-pin connector
- T47 47-pin connector
- T94 94-pin connector

- (201) Earth connection 5, in engine compartment wiring harness
- (B131) Connection (54), in interior wiring harness
- (D112) Connection 10 in engine compartment wiring harness
- * Wiring colour depends on equipment
- *2 Cross section depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

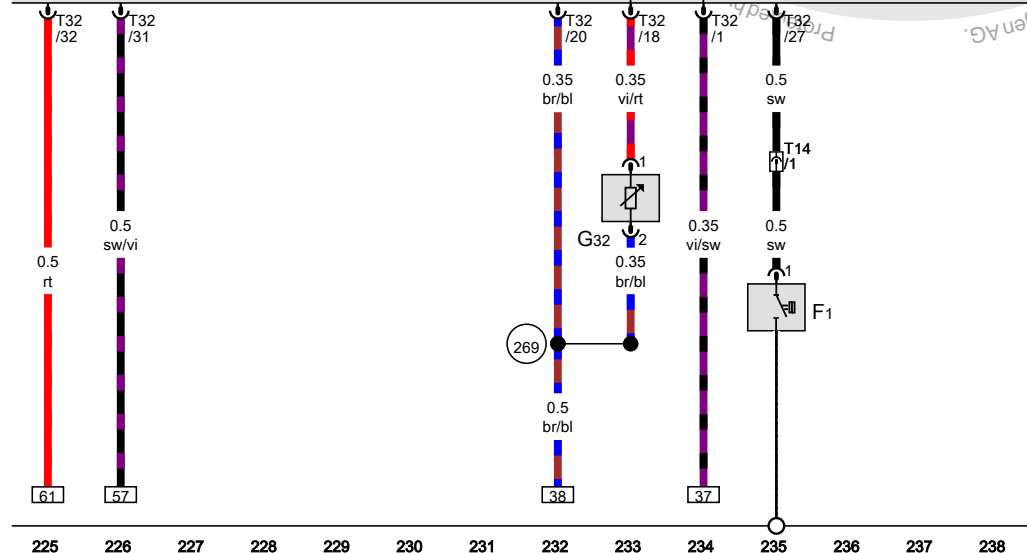
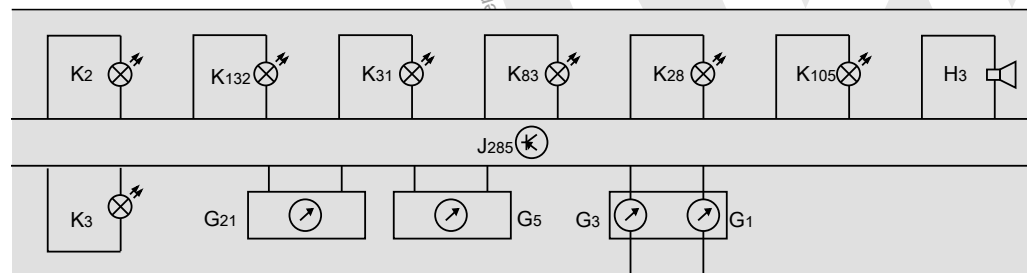
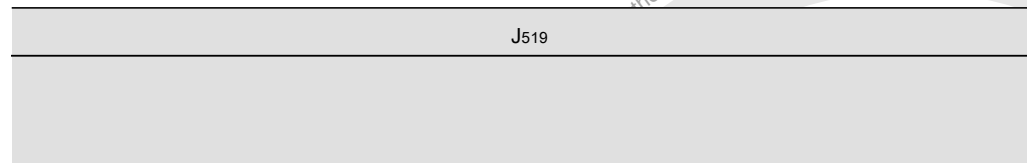


Onboard supply control unit, Data bus diagnostic interface, Engine control unit, Electric drive warning lamp

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- K270 Electric drive warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T94 94-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- X4 Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
- X5 Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness
- * Diagnostic connection

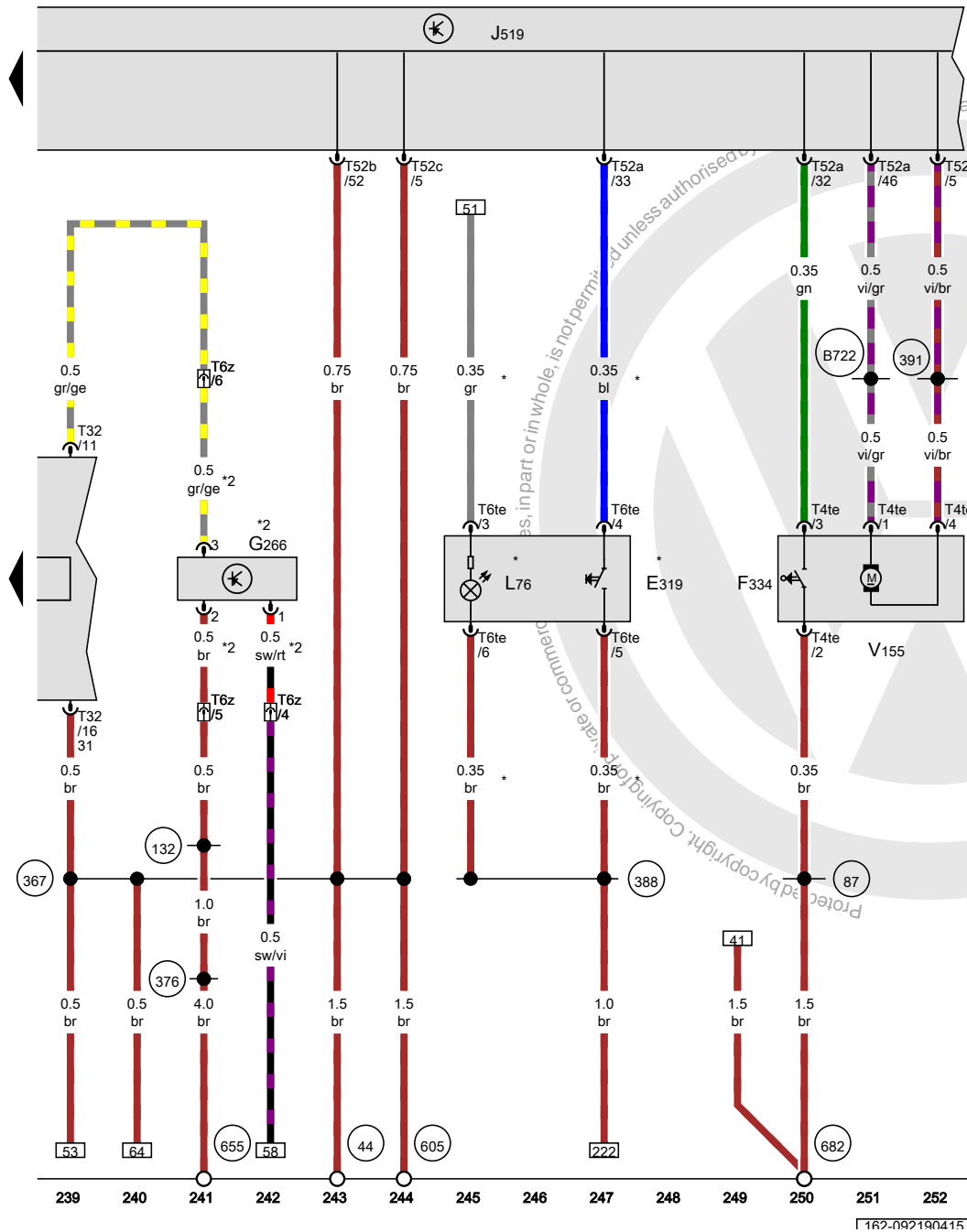
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T14 14-pin connector
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



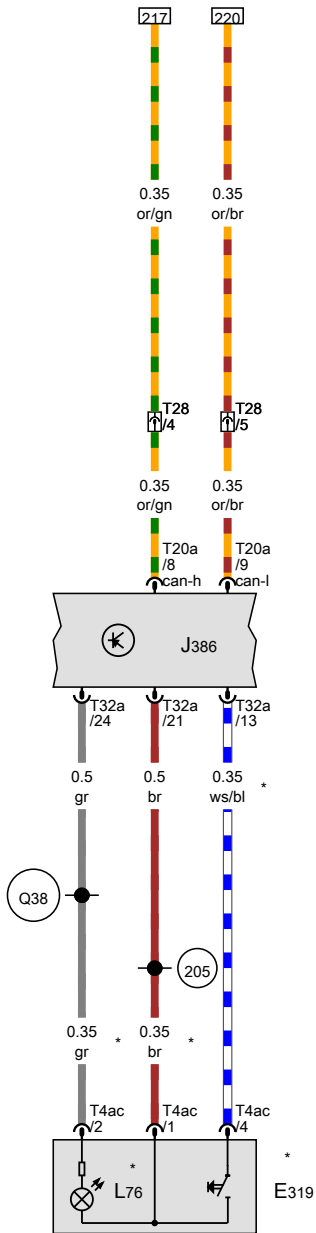
Fuel tank flap release button, Fuel tank cap detection switch, Oil level and oil temperature sender, Onboard supply control unit, Button illumination bulb, Tank filler flap locking motor

- E319 Fuel tank flap release button
- F334 Fuel tank cap detection switch
- G266 Oil level and oil temperature sender
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4te 4-pin connector
- T6te 6-pin connector
- T6z 6-pin connector, near left headlight
- T32 32-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V155 Tank filler flap locking motor

- 44 Earth point, lower part of left A-pillar
- 87 Earth connection 2, in rear wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 391 Earth connection 26, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- 682 Earth point 2, in rear right side panel
- B722 Connection 3 (central locking), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * According to equipment
- *2 Only models with flexible service interval display



Fuel tank flap release button

- E319 Fuel tank flap release button, in driver door
- J386 Driver door control unit
- L76 Button illumination bulb
- T4ac 4-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

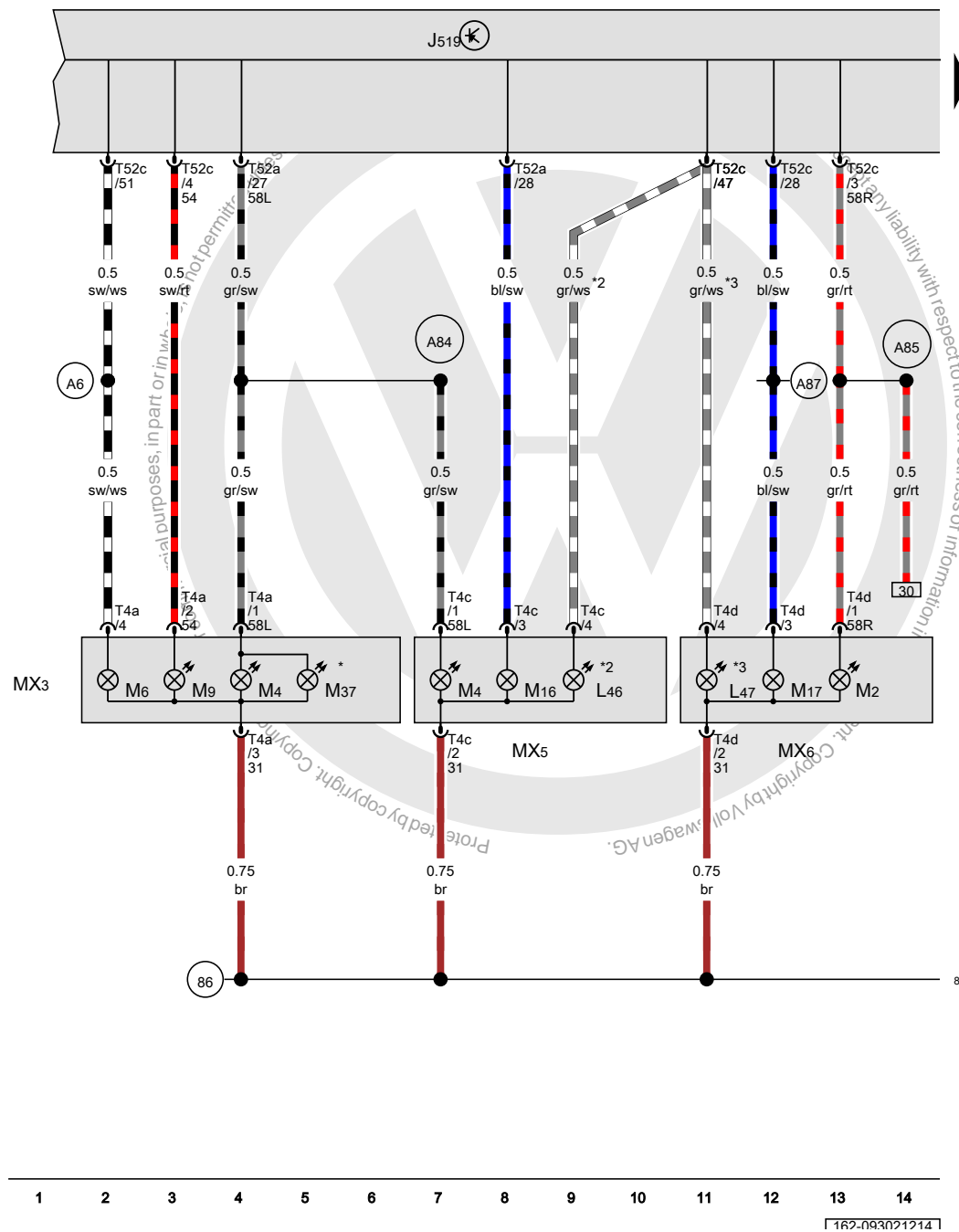
253 254 255 256 257 258 259 260 261 262 263 264 265 266

[162-092200415]

Tail light cluster with LED , (8SK)

From June 2012



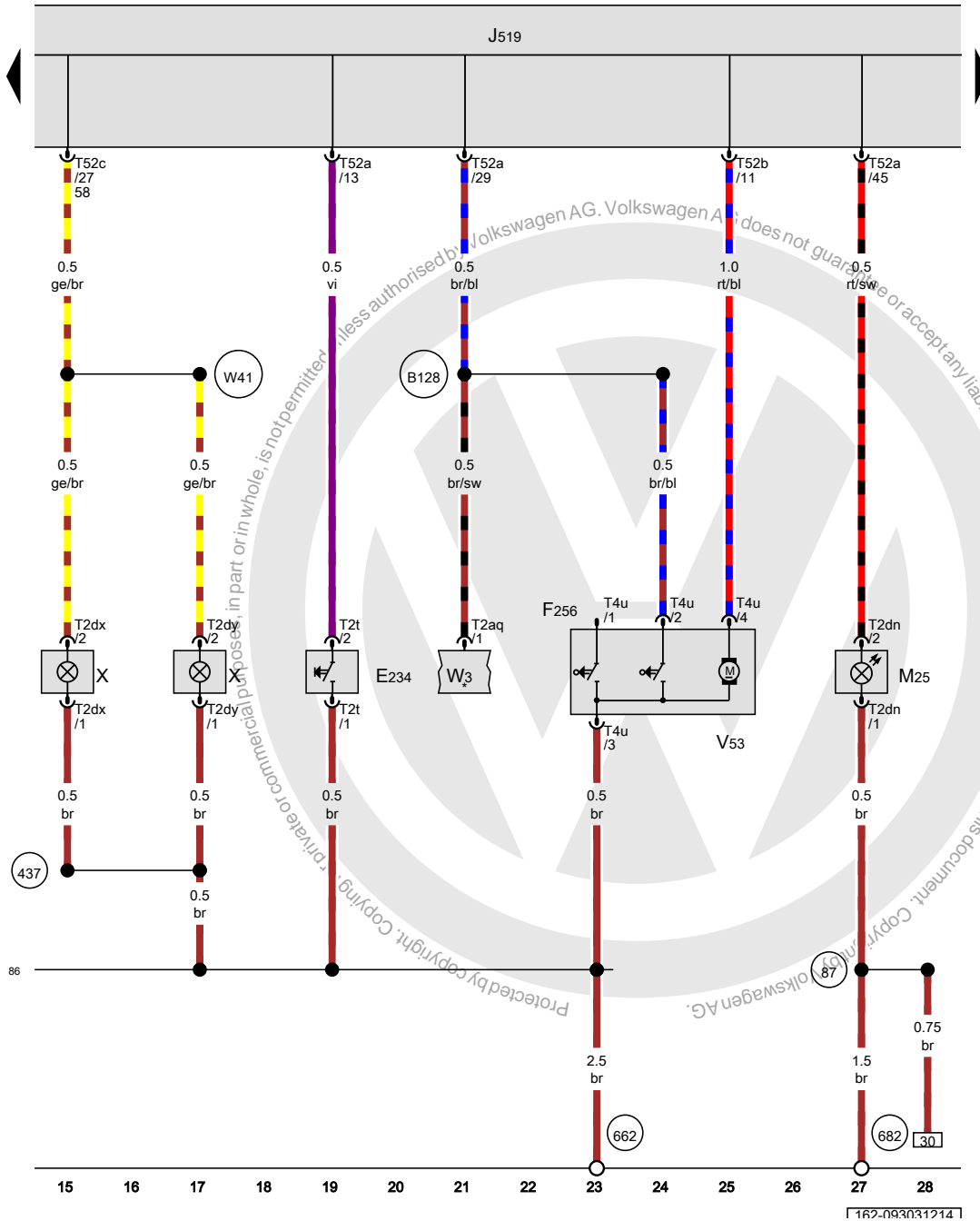


Onboard supply control unit, Right tail light bulb, Left tail light, Left tail light bulb, Left tail light 2, Rear left turn signal bulb, Right tail light 2, Left brake light bulb, Left reversing light bulb, Right reversing light bulb

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX5 Left tail light 2
- M6 Rear left turn signal bulb
- MX6 Right tail light 2
- M9 Left brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- M37 Rear left side marker bulb
- T4a 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

- 86 Earth connection 1, in rear wiring harness
- A6 Positive connection (left turn signal), in dash panel wiring harness
- A84 Connection (58L), in dash panel wiring harness
- A85 Connection (58R), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness
- * Only for American markets
- *2 Not for American markets
- *3 Only right-hand drive models

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

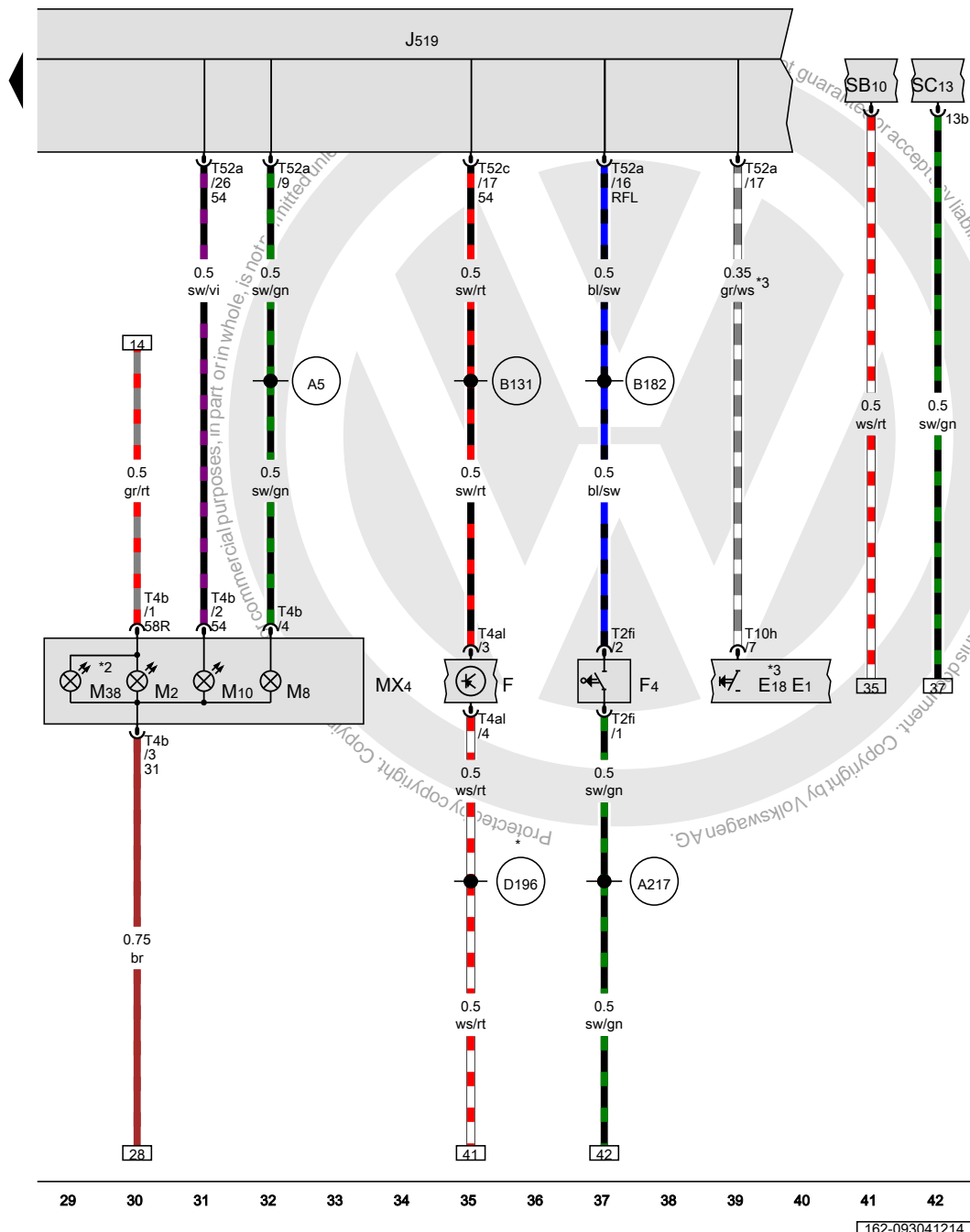


Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, High-level brake light bulb, Rear lid central locking motor, Number plate light

- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- M25 High-level brake light bulb
- T2aq 2-pin connector
- T2dn 2-pin connector
- T2dx 2-pin connector
- T2dy 2-pin connector
- T2t 2-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V53 Rear lid central locking motor
- W3 Luggage compartment light
- X Number plate light

- 86 Earth connection 1, in rear wiring harness
- 87 Earth connection 2, in rear wiring harness
- 437 Earth connection, in number plate wiring harness
- 662 Earth point, rear left side panel
- 682 Earth point 2, in rear right side panel
- B128 Connection (luggage compartment light), in interior wiring harness
- W41 Positive connection (58), in number plate lights wiring harness
- * see applicable current flow diagram for basic equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Brake light switch, Onboard supply control unit, Right tail light bulb, Right tail light, Rear right turn signal bulb, Rear right side marker bulb

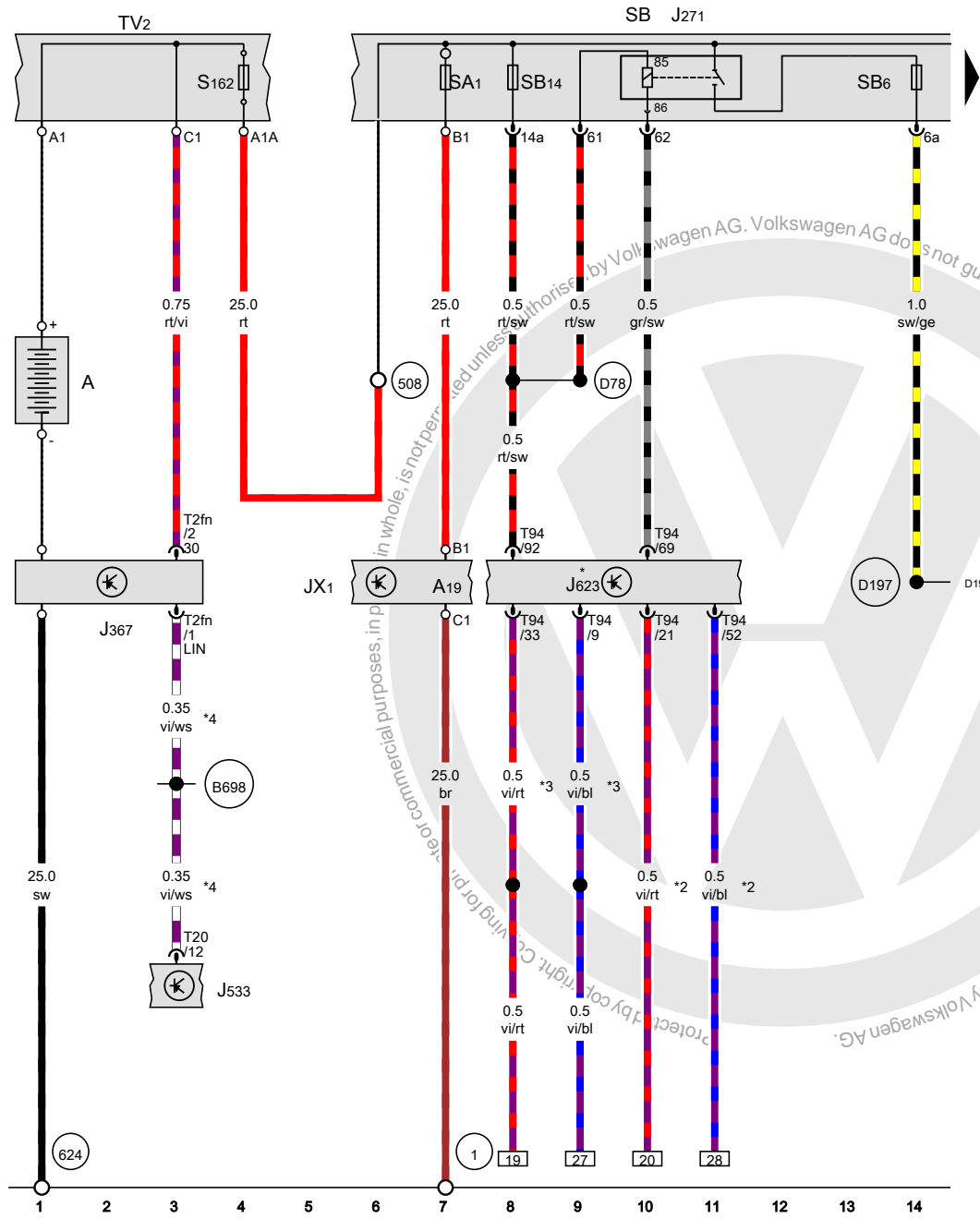
- E1 Light switch
- E18 Rear fog light switch
- F Brake light switch
- F4 Reversing light switch
- J519 Onboard supply control unit
- M2 Right tail light bulb
- MX4 Right tail light
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M38 Rear right side marker bulb
- SB10 Fuse 10 on fuse holder B
- SC13 Fuse 13 on fuse holder C
- T2fi 2-pin connector
- T4al 4-pin connector
- T4b 4-pin connector
- T10h 10-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B182 Connection (RL), in interior wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- * According to equipment
- *2 Only for American markets
- *3 Not for American markets

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Auxiliary air heater (PTC) , CNLA,CRJA

From June 2012



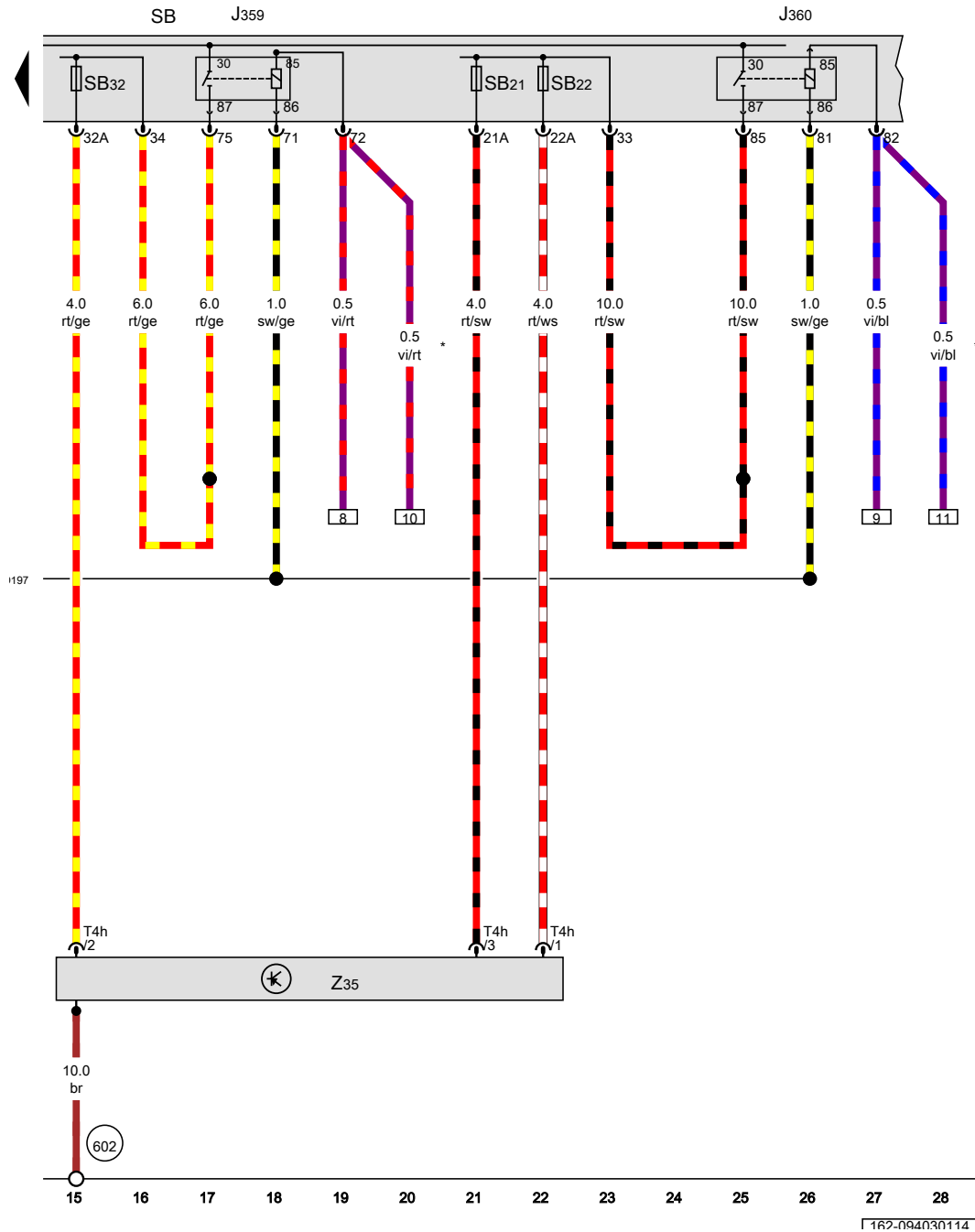


Main relay

- A Battery
- A19 Voltage converter
- JX1 Power and control electronics for electric drive
- J271 Main relay
- J367 Battery monitor control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- SA1 Fuse 1 in fuse holder A
- S162 Fuse 1 (30), in battery fuse holder
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T2fn 2-pin connector
- TV2 Terminal 30 wiring junction
- T20 20-pin connector
- T94 94-pin connector
- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- 624 Earth point, starter battery
- B698 Connection 3 (LIN bus) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 Not for American markets
- *3 Only for American markets
- *4 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

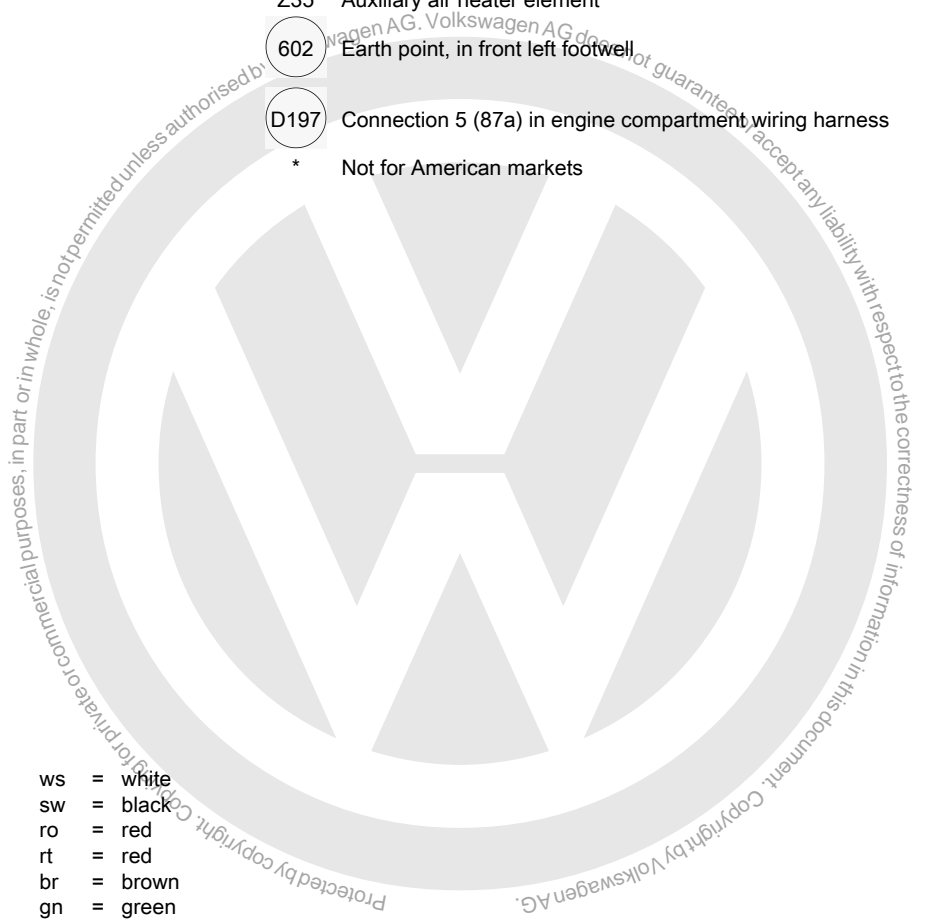
162-094020114



Low heat output relay, High heat output relay, Auxiliary air heater element

- J359 Low heat output relay
- J360 High heat output relay
- SB Fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB32 Fuse 32 on fuse holder B
- T4h 4-pin connector
- Z35 Auxiliary air heater element

- 602 Earth point, in front left footwell
- D197 Connection 5 (87a) in engine compartment wiring harness
- * Not for American markets



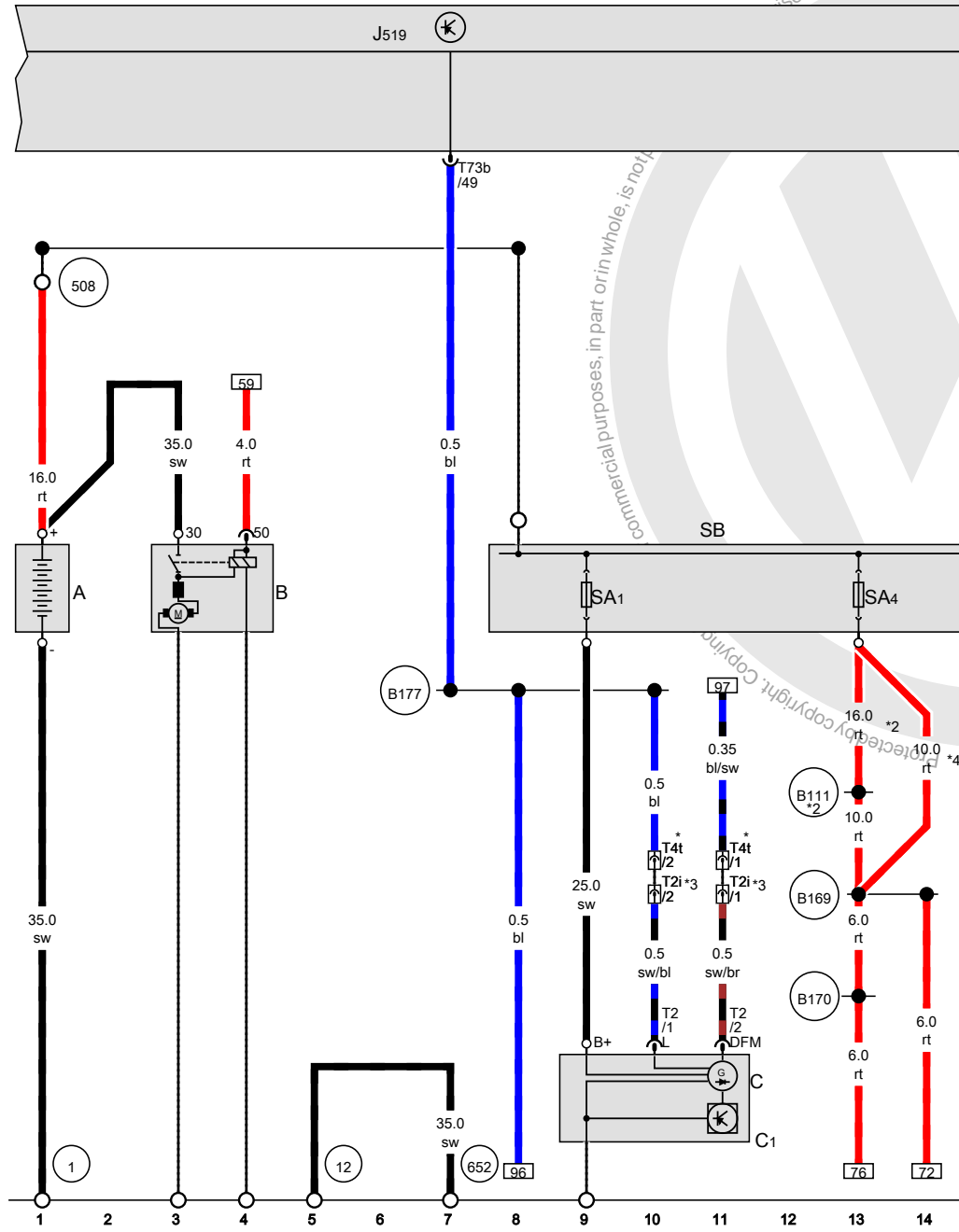
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-094030114

2.0l diesel engine , CJAA,(AW0)

From November 2012





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 gradual introduction

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-095020415

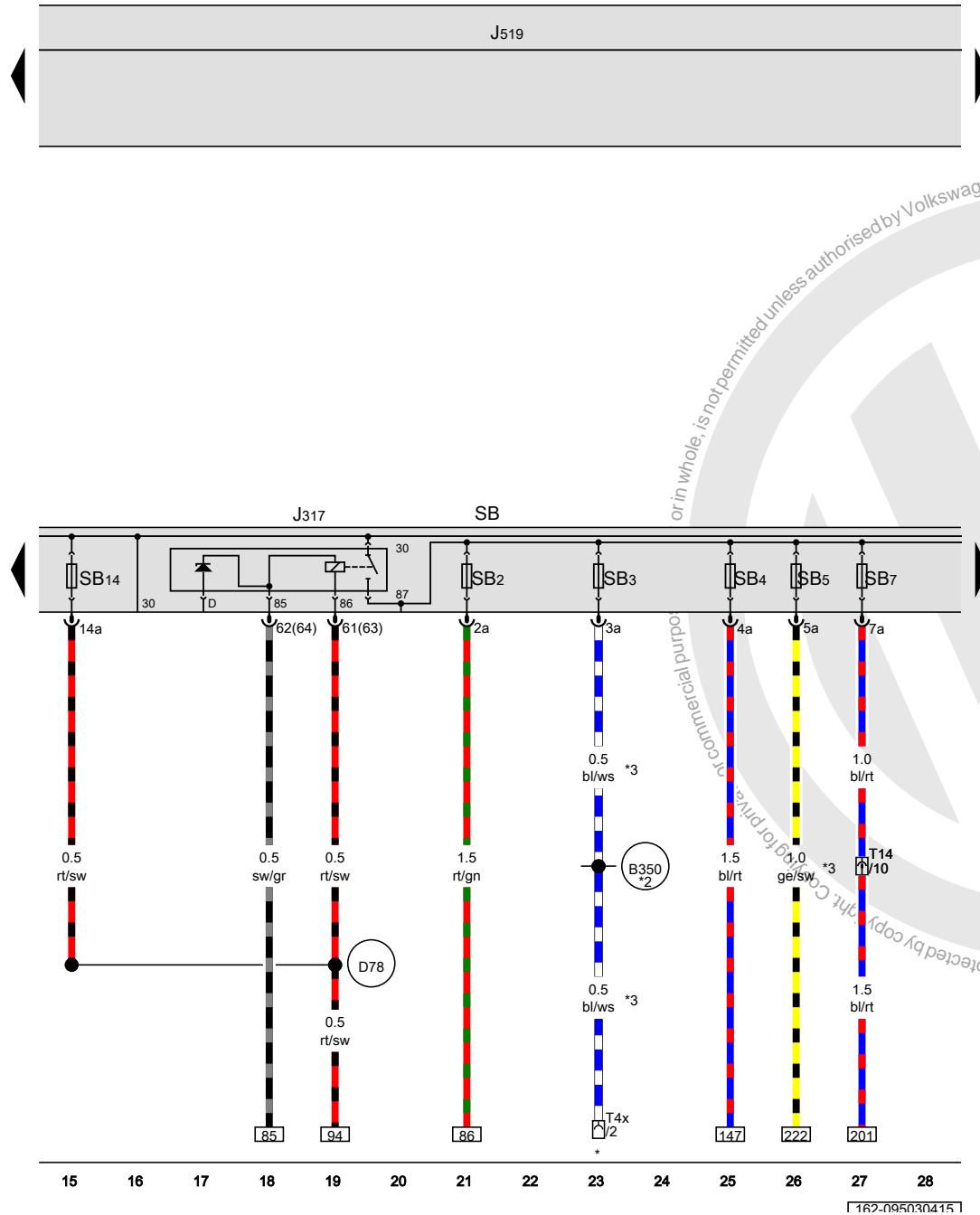
Terminal 30 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J317 Terminal 30 voltage supply relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T4x 4-pin connector
- T14 14-pin connector

B350 Positive connection 1 (87a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

- * Radiator fan connection
- *2 gradual introduction
- *3 Wiring colour depends on equipment



162-095030415

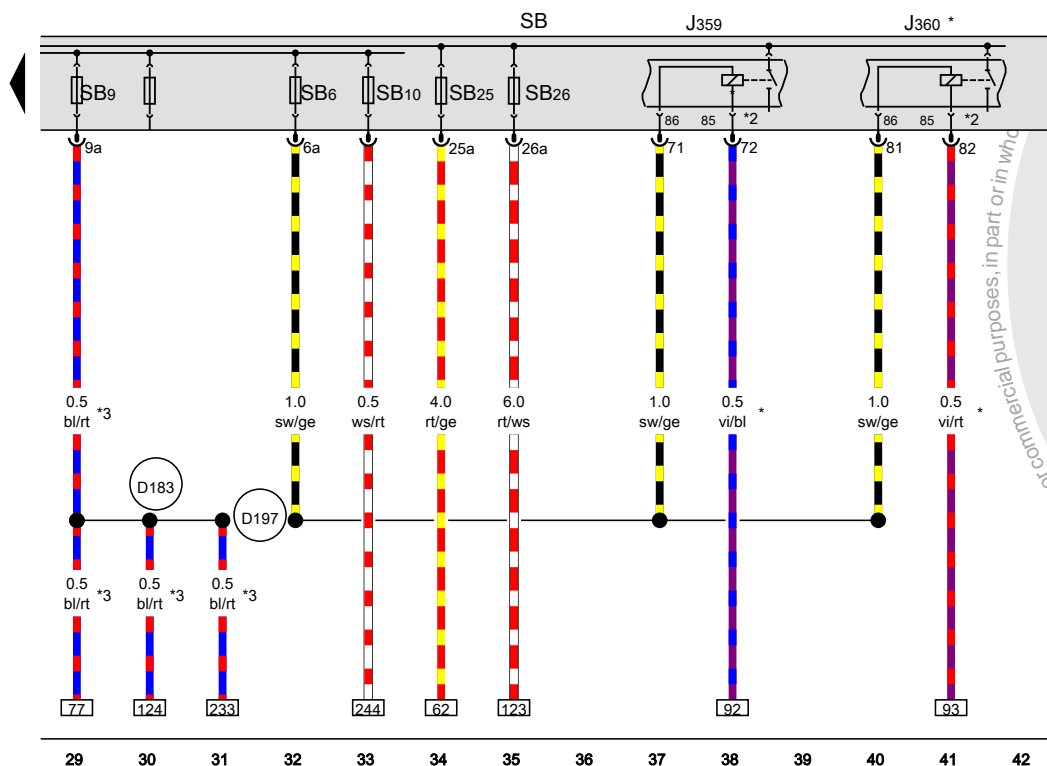
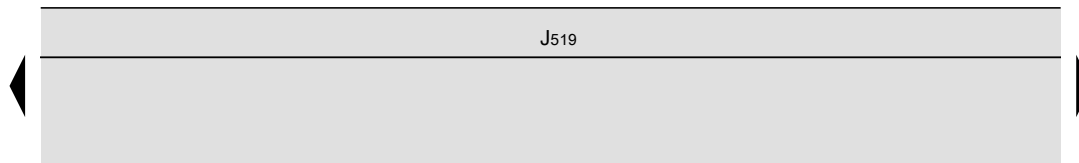
Low heat output relay, High heat output relay, Onboard supply control unit, Fuse holder B

- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SB26 Fuse 26 on fuse holder B

D183 Connection 4 (87a) in engine compartment wiring harness

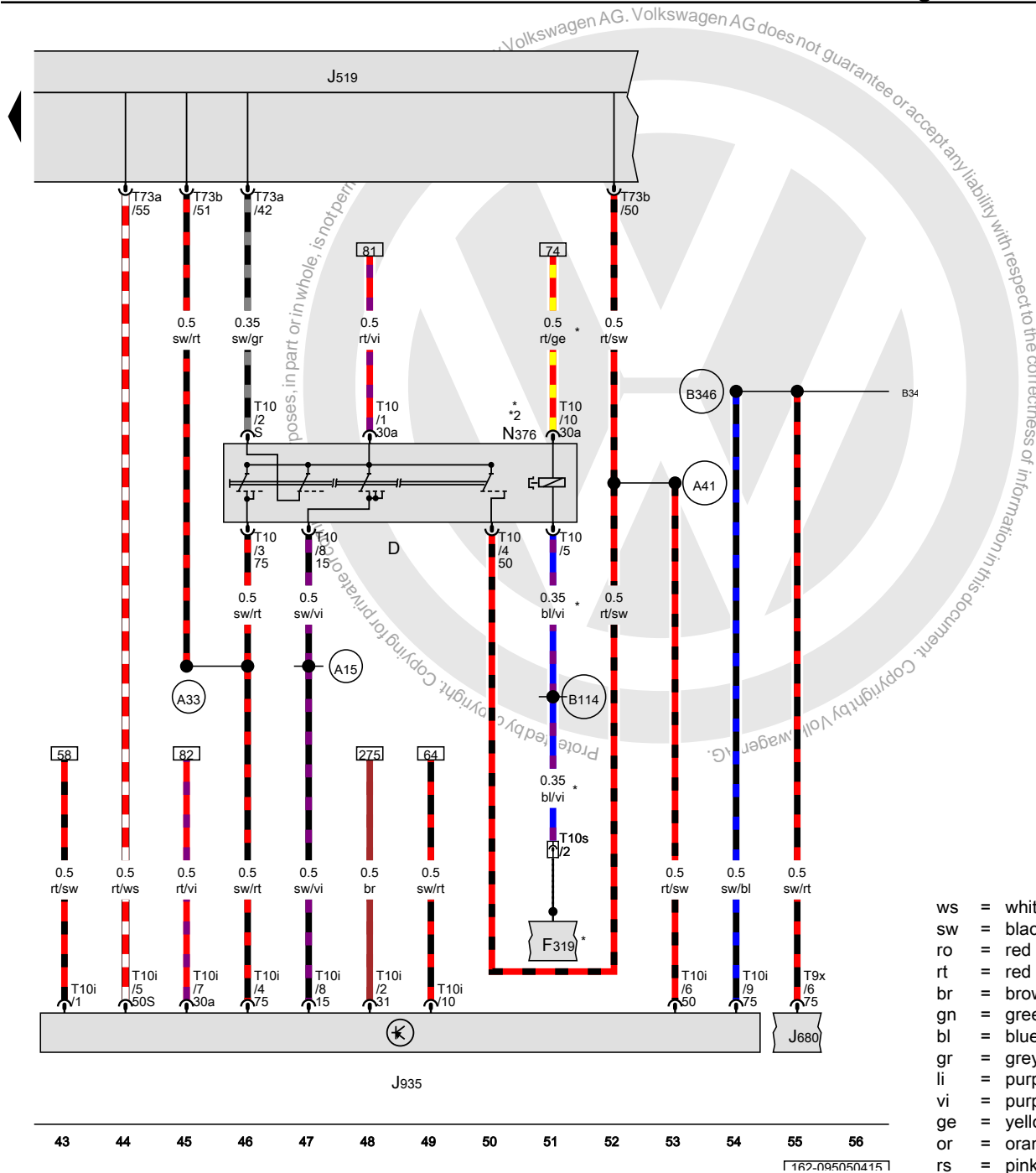
D197 Connection 5 (87a) in engine compartment wiring harness

- * Only models with auxiliary air heating
- *2 see applicable current flow diagram
- *3 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-095040415



Ignition/starter switch, Onboard supply control unit, Converter box

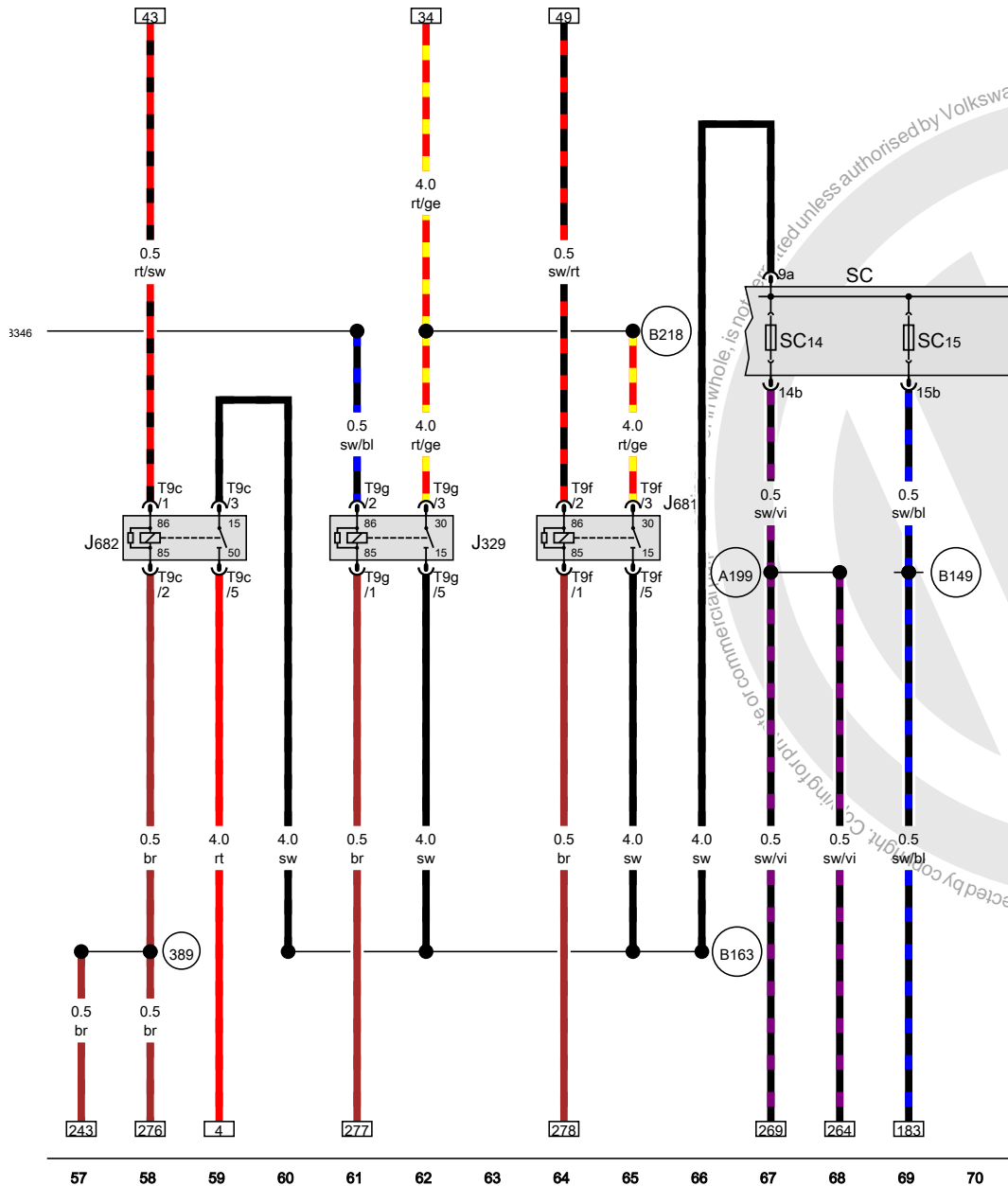
- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- J935 Converter box
- N376 Ignition key withdrawal lock solenoid
- T9x 9-pin connector
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- (A15) Positive connection (15), in instrument wiring harness
- (A33) Connection (75), in dash panel wiring harness
- (A41) Positive connection (50), in dash panel wiring harness
- (B114) Connection (inhibitor switch), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness

- * Only models with automatic gearbox
- *2 Only models with dual clutch gearbox (DSG)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

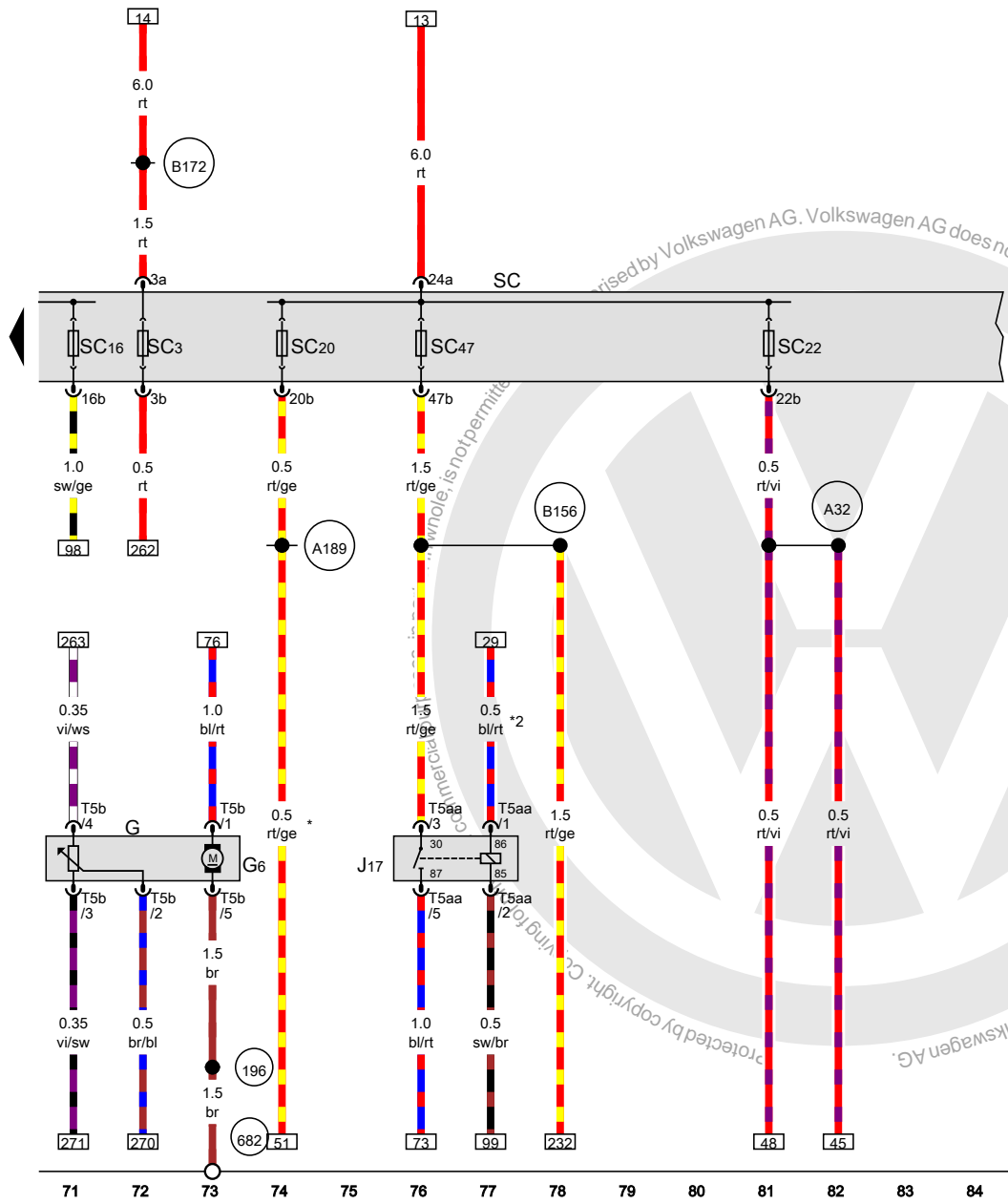


- J329 Terminal 15 voltage supply relay
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector

- (389) Earth connection 24, in main wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (B149) Positive connection 2 (15a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75) in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness

* Only models with automatic gearbox
 *2 Wiring colour depends on equipment

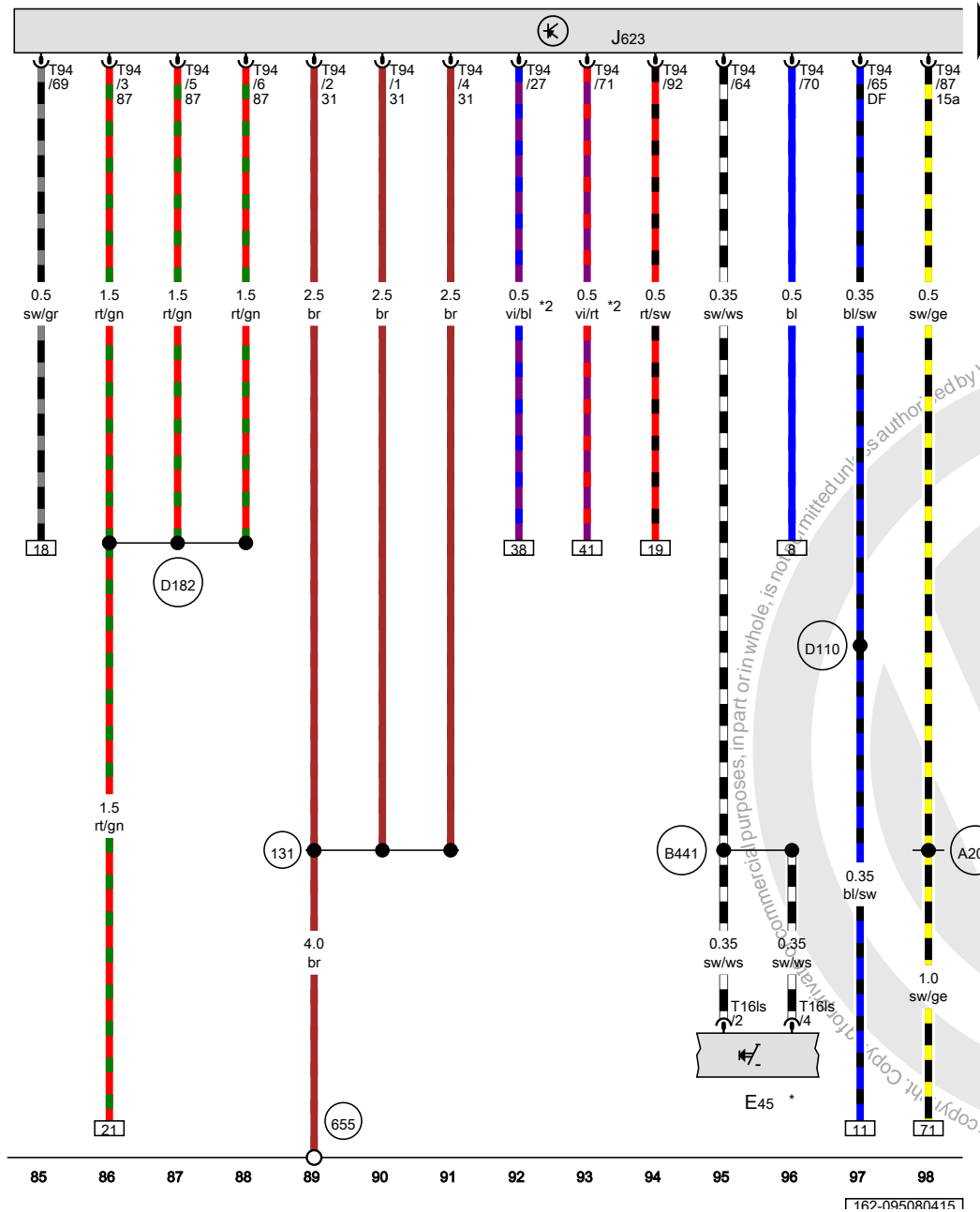
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-095070415

Engine control unit

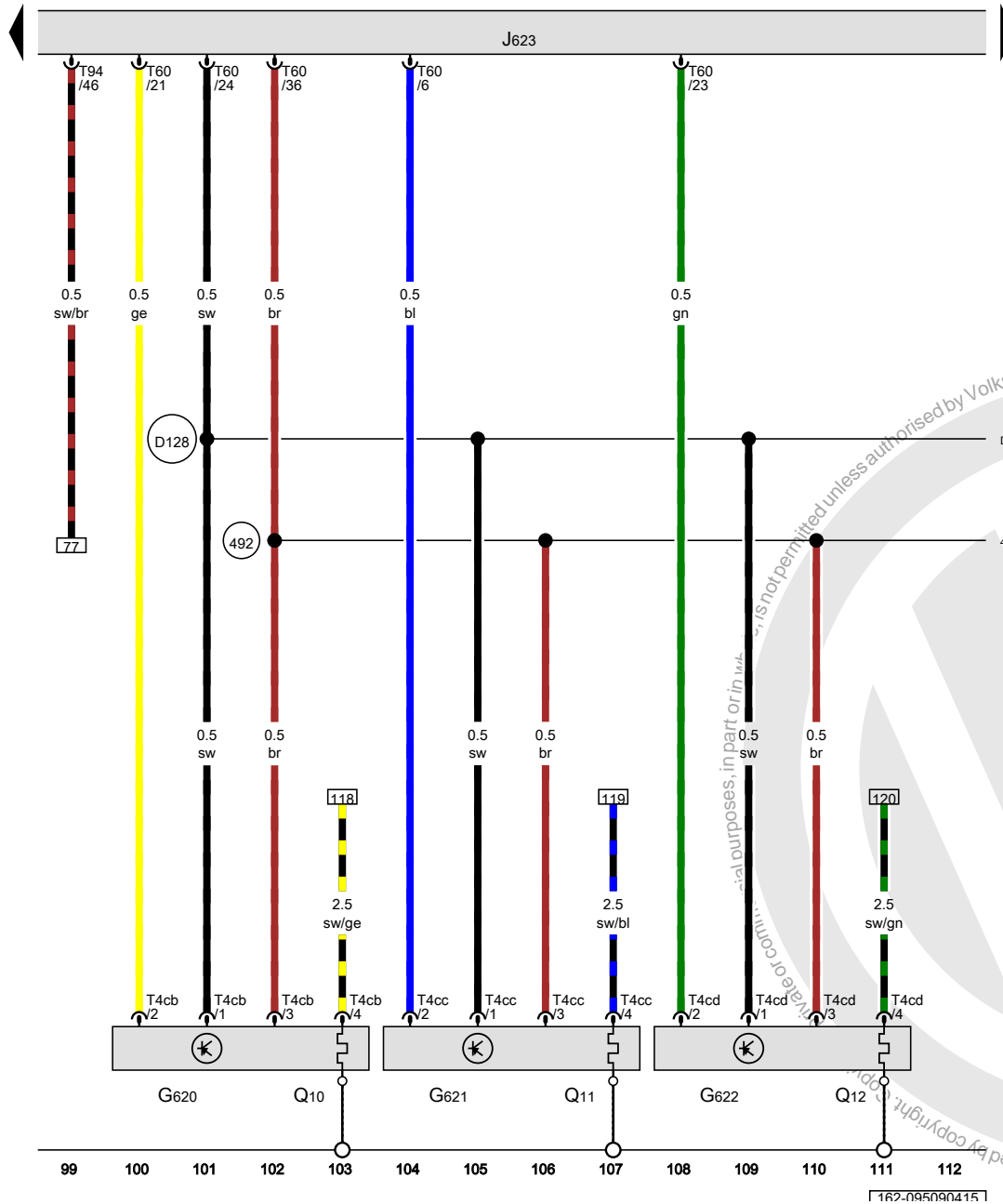
- E45 Cruise control system switch
- J623 Engine control unit
- T16ls 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Only models with auxiliary air heating



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- yi = purple
- ge = yellow
- or = orange
- rs = pink

162-095080415



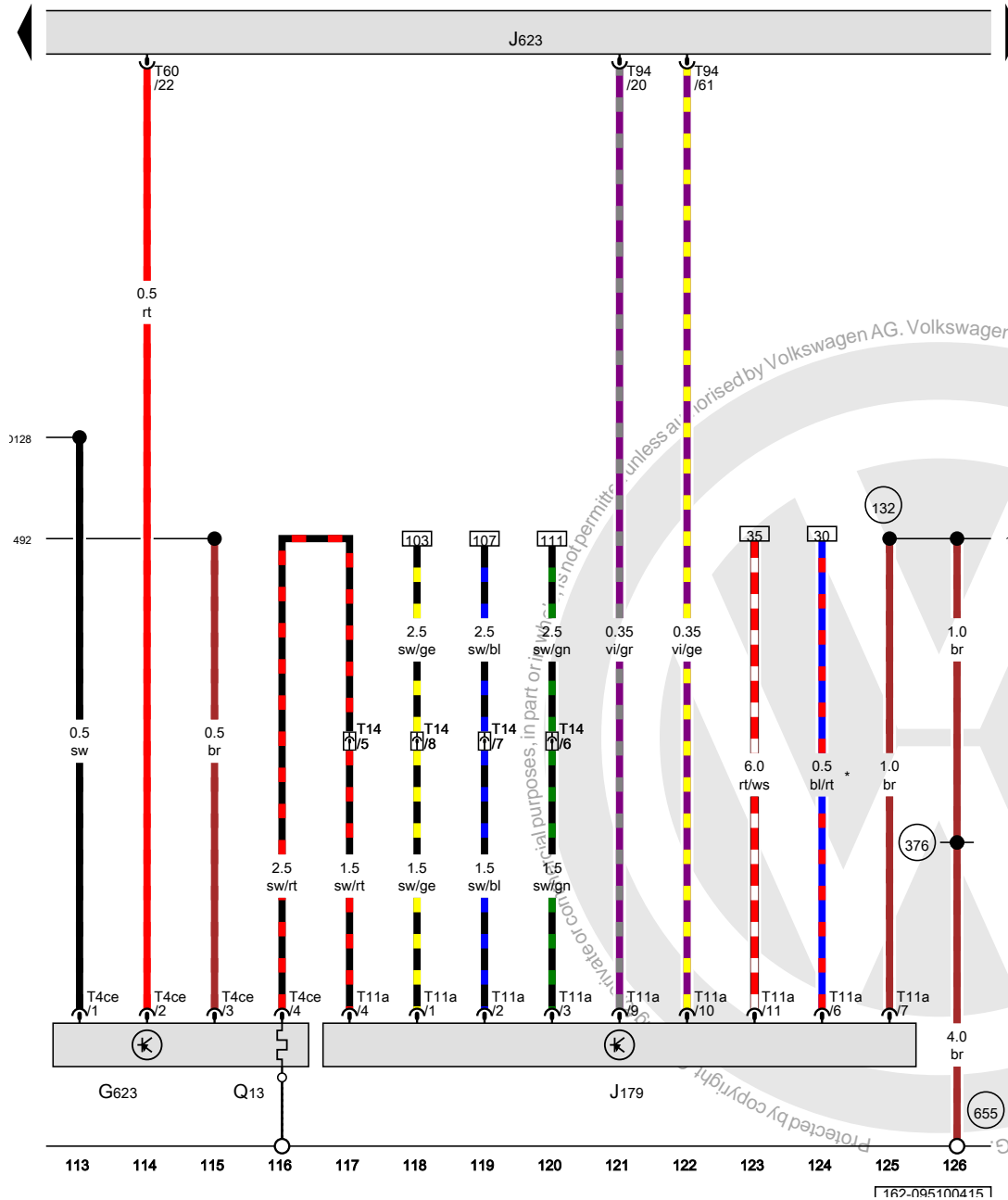
Internal cylinder pressure sender for cylinder 1, Internal cylinder pressure sender for cylinder 2, Internal cylinder pressure sender for cylinder 3, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3

- G620 Internal cylinder pressure sender for cylinder 1
- G621 Internal cylinder pressure sender for cylinder 2
- G622 Internal cylinder pressure sender for cylinder 3
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- T4cb 4-pin connector
- T4cc 4-pin connector
- T4cd 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 492 Earth connection 2 (sender earth), in injection system wiring harness
- D128 Connection 26 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Internal cylinder pressure sender for cylinder 4, Automatic glow period control unit, Engine control unit, Glow plug 4



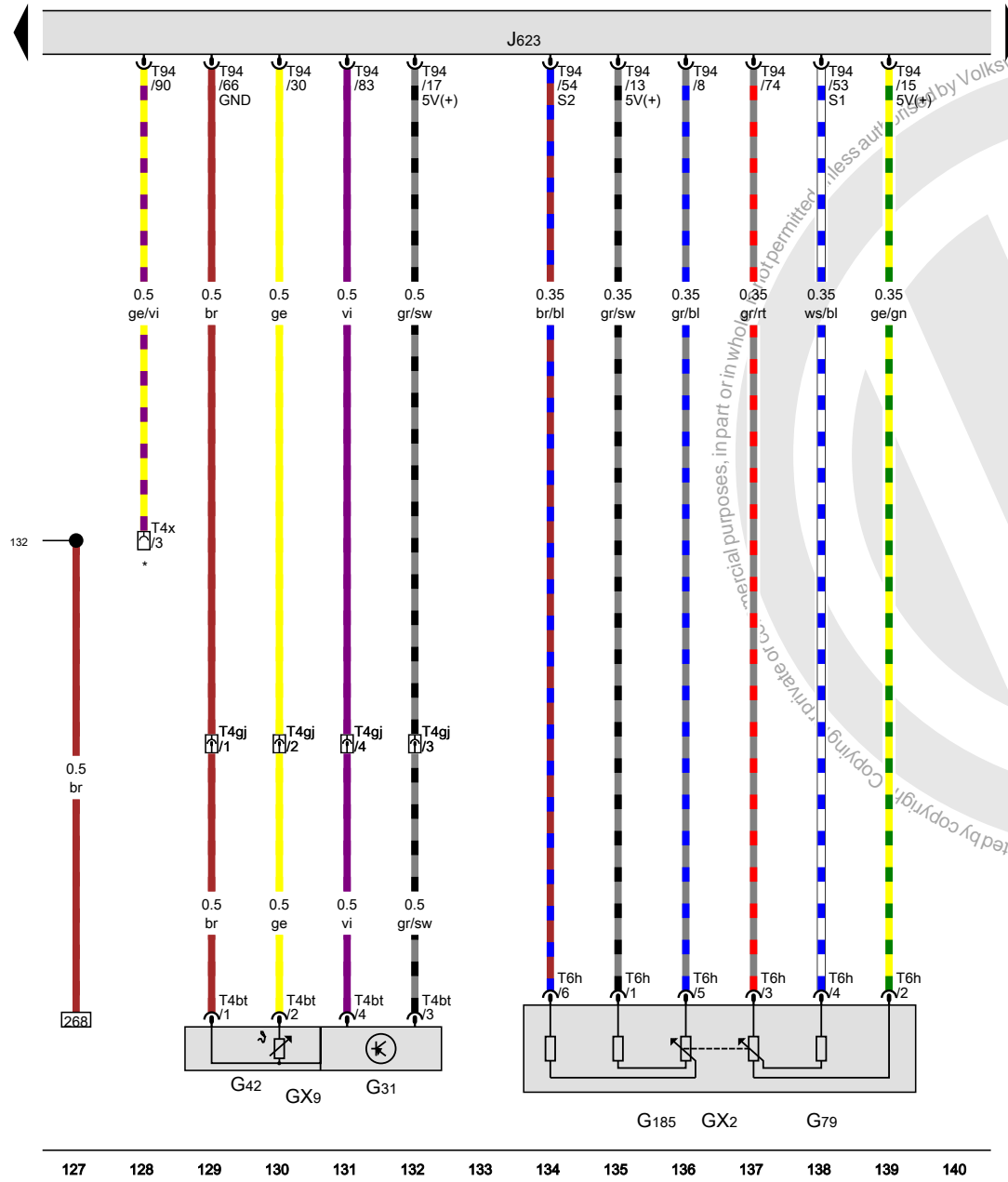
- G623 Internal cylinder pressure sender for cylinder 4
- J179 Automatic glow period control unit
- J623 Engine control unit
- Q13 Glow plug 4
- T4ce 4-pin connector
- T11a 11-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 492 Earth connection 2 (sender earth), in injection system wiring harness
- 655 Earth point, on left headlight
- D128 Connection 26 in engine compartment wiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal module, Intake manifold sender, Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Engine control unit



- GX2 Accelerator pedal module
- GX9 Intake manifold sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4bt 4-pin connector
- T4gj 4-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T94 94-pin connector

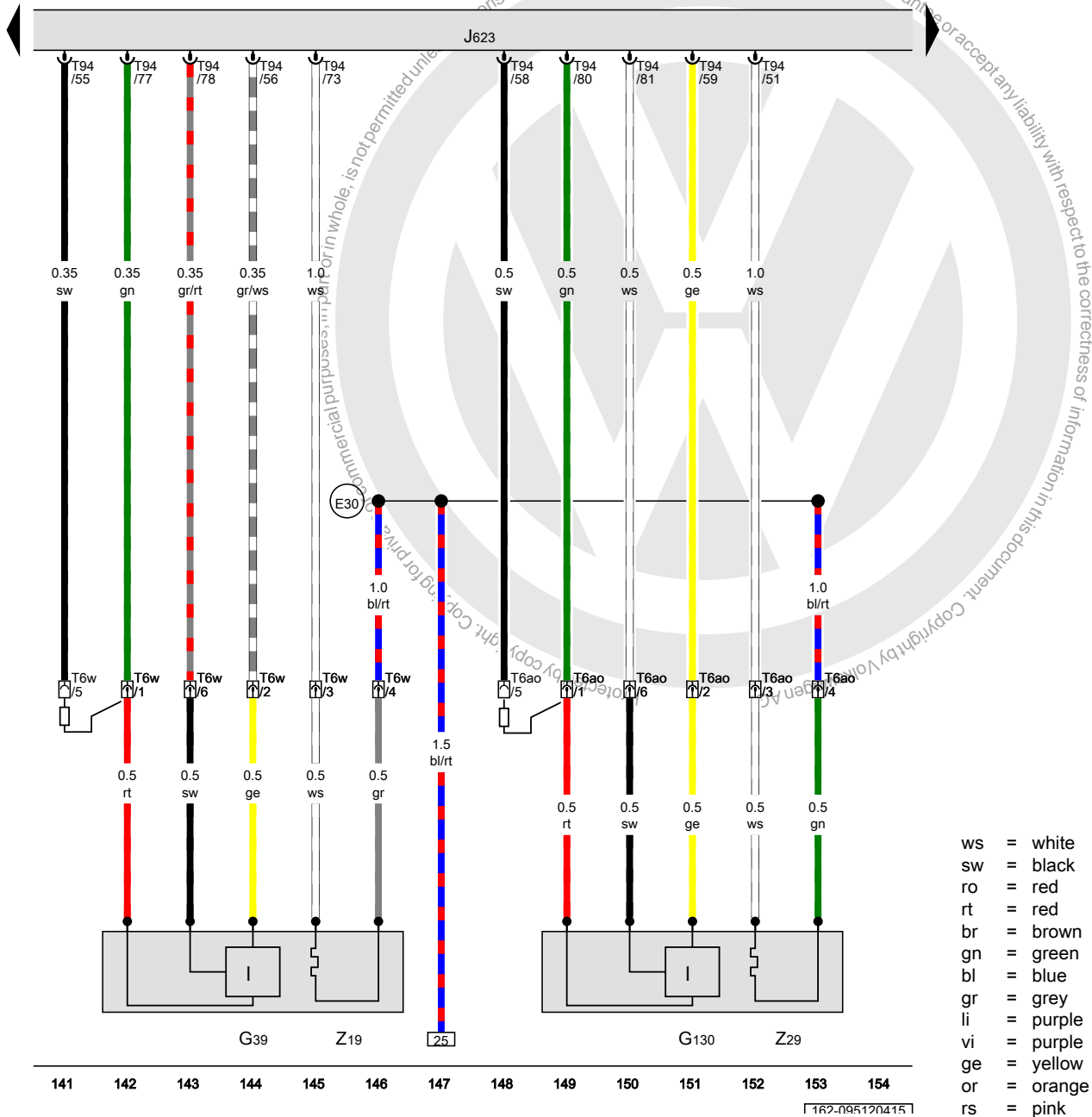
- 132 Earth connection 3, in engine compartment wiring harness
- * Radiator fan connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-095110415

Lambda probe, Engine control unit, Lambda probe heater, Lambda probe 1 heater after catalytic converter

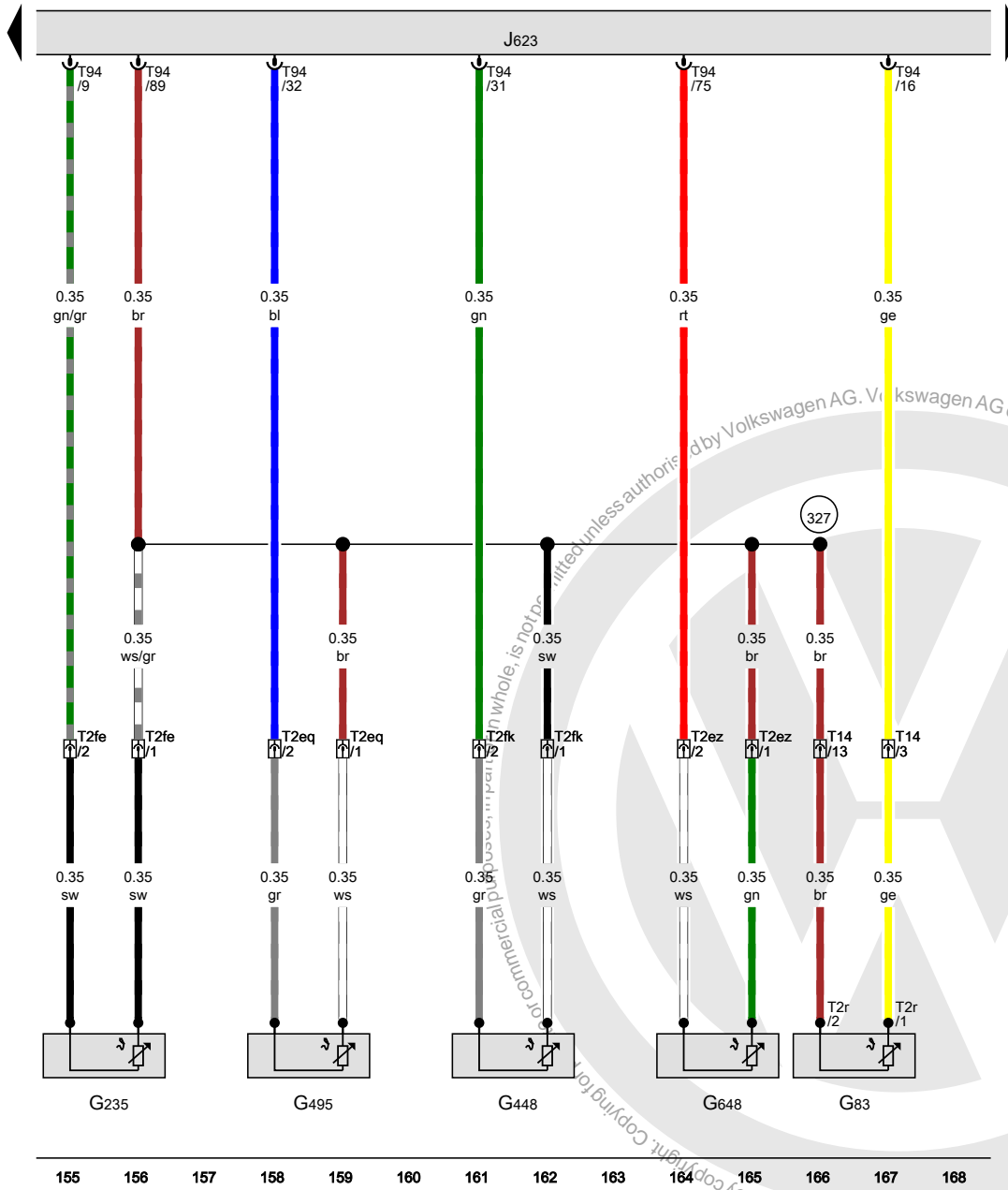
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T6ao 6-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

[162-095120415]



Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 2, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

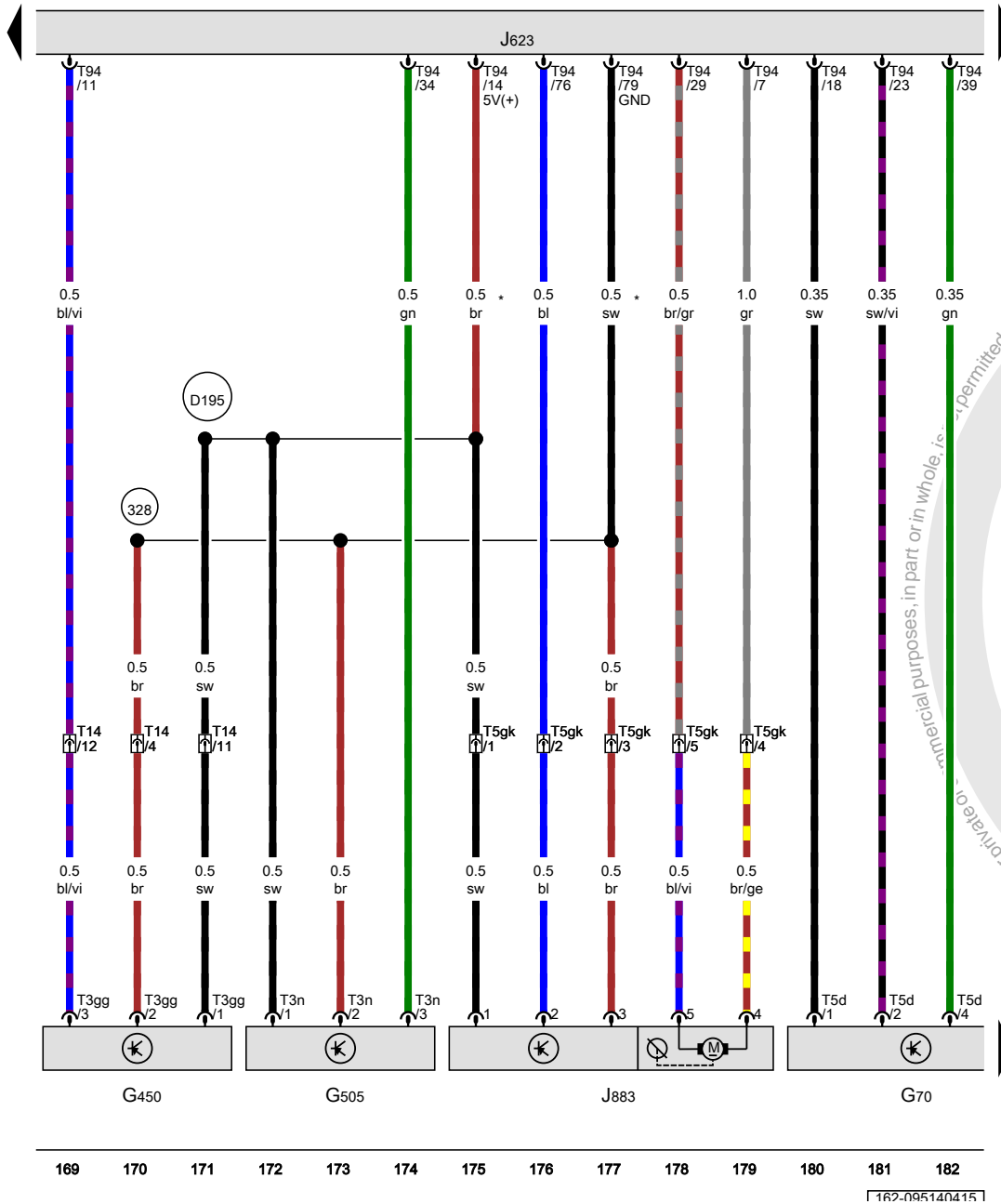
- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G448 Exhaust gas temperature sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2eq 2-pin connector
- T2ez 2-pin connector
- T2fe 2-pin connector
- T2fk 2-pin connector
- T2r 2-pin connector
- T14 14-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

162-0951304151

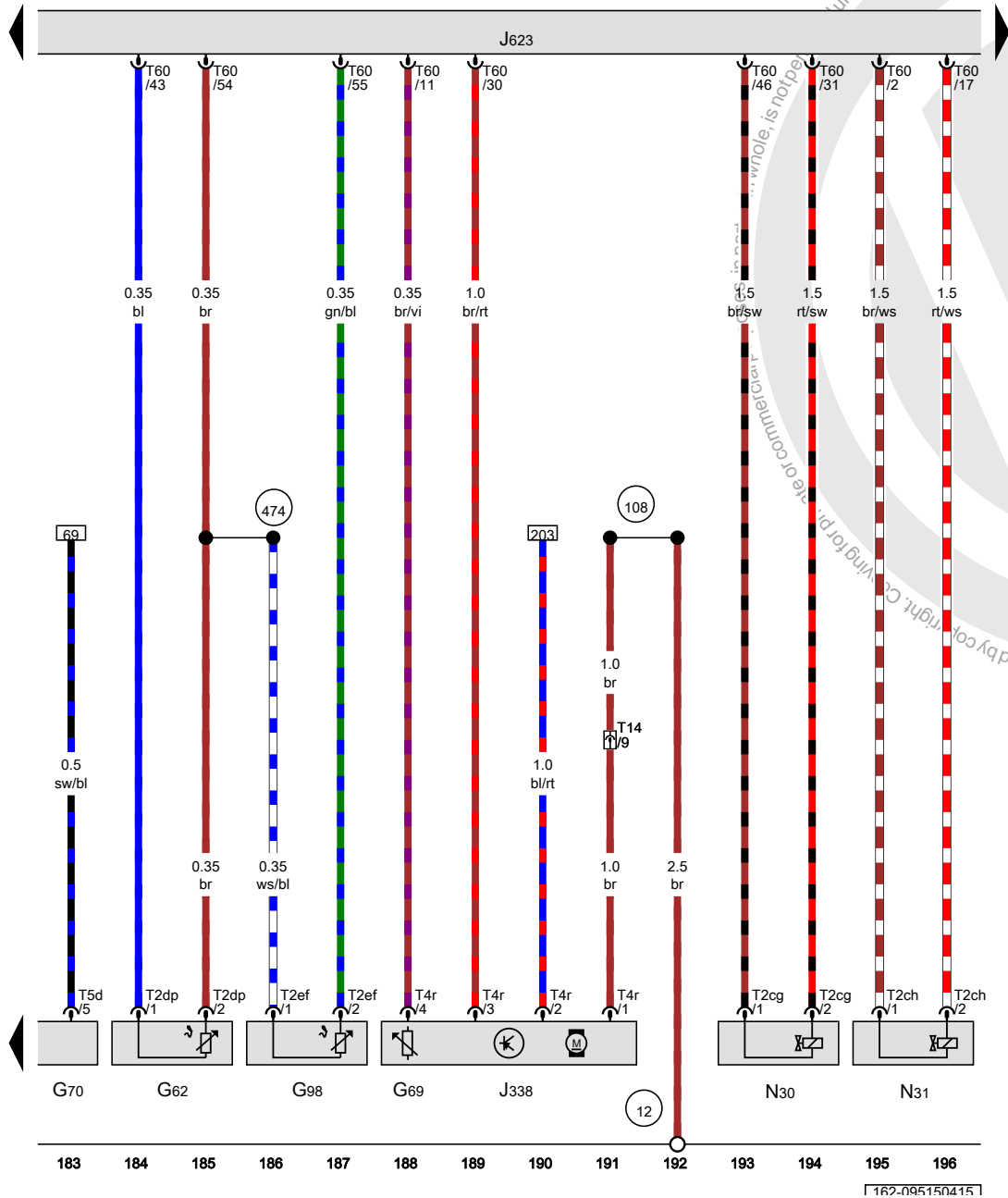
Air mass meter, Exhaust gas pressure sensor 1, Pressure differential sender, Engine control unit, Exhaust flap control unit



- G70 Air mass meter
- G450 Exhaust gas pressure sensor 1
- G505 Pressure differential sender
- J623 Engine control unit
- J883 Exhaust flap control unit
- T3gg 3-pin connector
- T3n 3-pin connector
- T5d 5-pin connector
- T5gk 5-pin connector
- T14 14-pin connector
- T94 94-pin connector
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- D195 Connection 1 (5V) in engine compartment wiring harness
- * Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

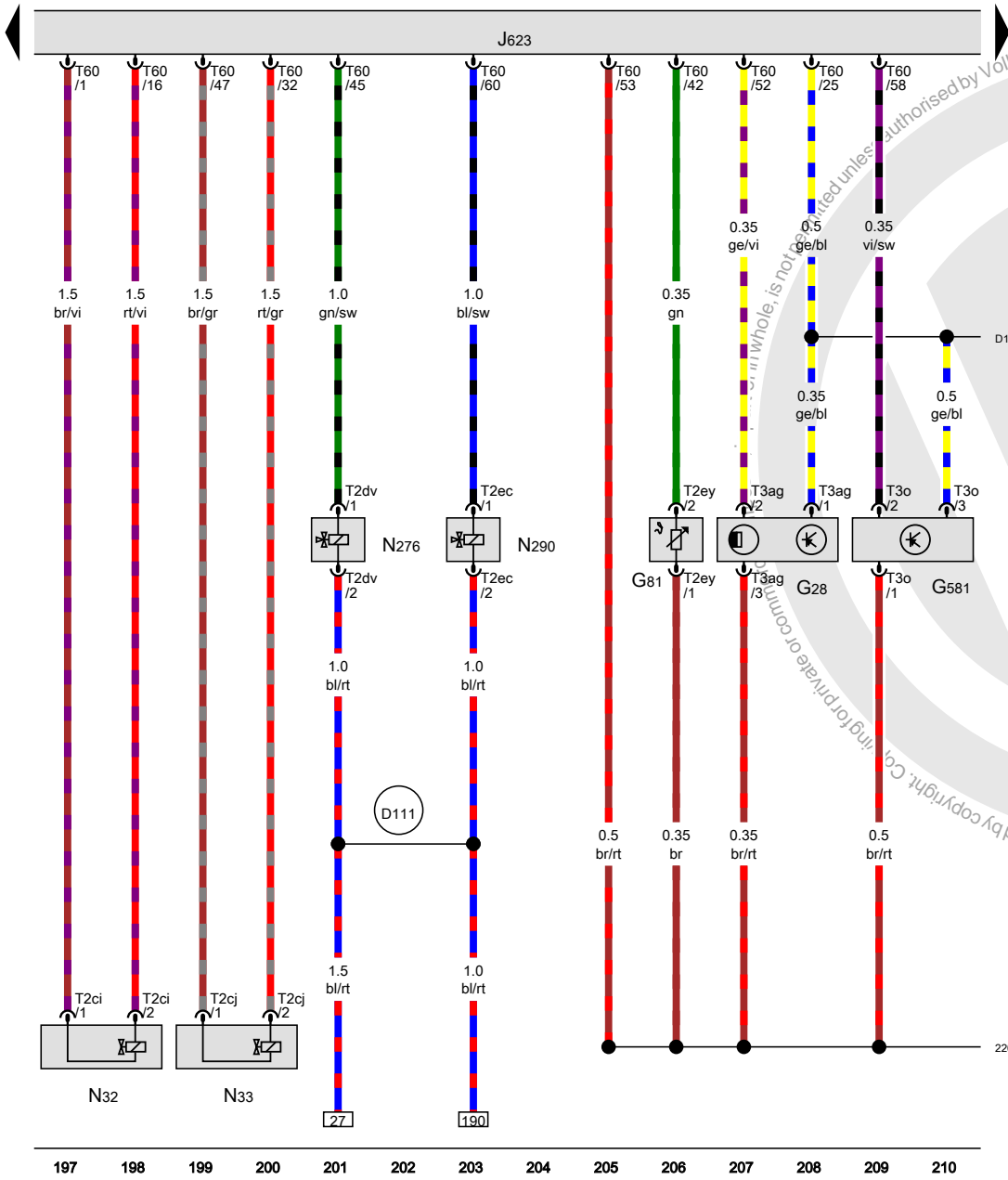
169-182



Coolant temperature sender, Throttle valve potentiometer, Air mass meter, Exhaust gas recirculation temperature sensor, Throttle valve module, Engine control unit, Injector, cylinder 1, Injector, cylinder 2

- G62 Coolant temperature sender
 - G69 Throttle valve potentiometer
 - G70 Air mass meter
 - G98 Exhaust gas recirculation temperature sensor
 - J338 Throttle valve module
 - J623 Engine control unit
 - N30 Injector, cylinder 1
 - N31 Injector, cylinder 2
 - T2cg 2-pin connector
 - T2ch 2-pin connector
 - T2dp 2-pin connector
 - T2ef 2-pin connector
 - T4r 4-pin connector
 - T5d 5-pin connector
 - T14 14-pin connector
 - T60 60-pin connector
- 12 Earth point, on left in engine compartment
 - 108 Earth connection 2, in front left wiring harness
 - 474 Earth connection (sender earth) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

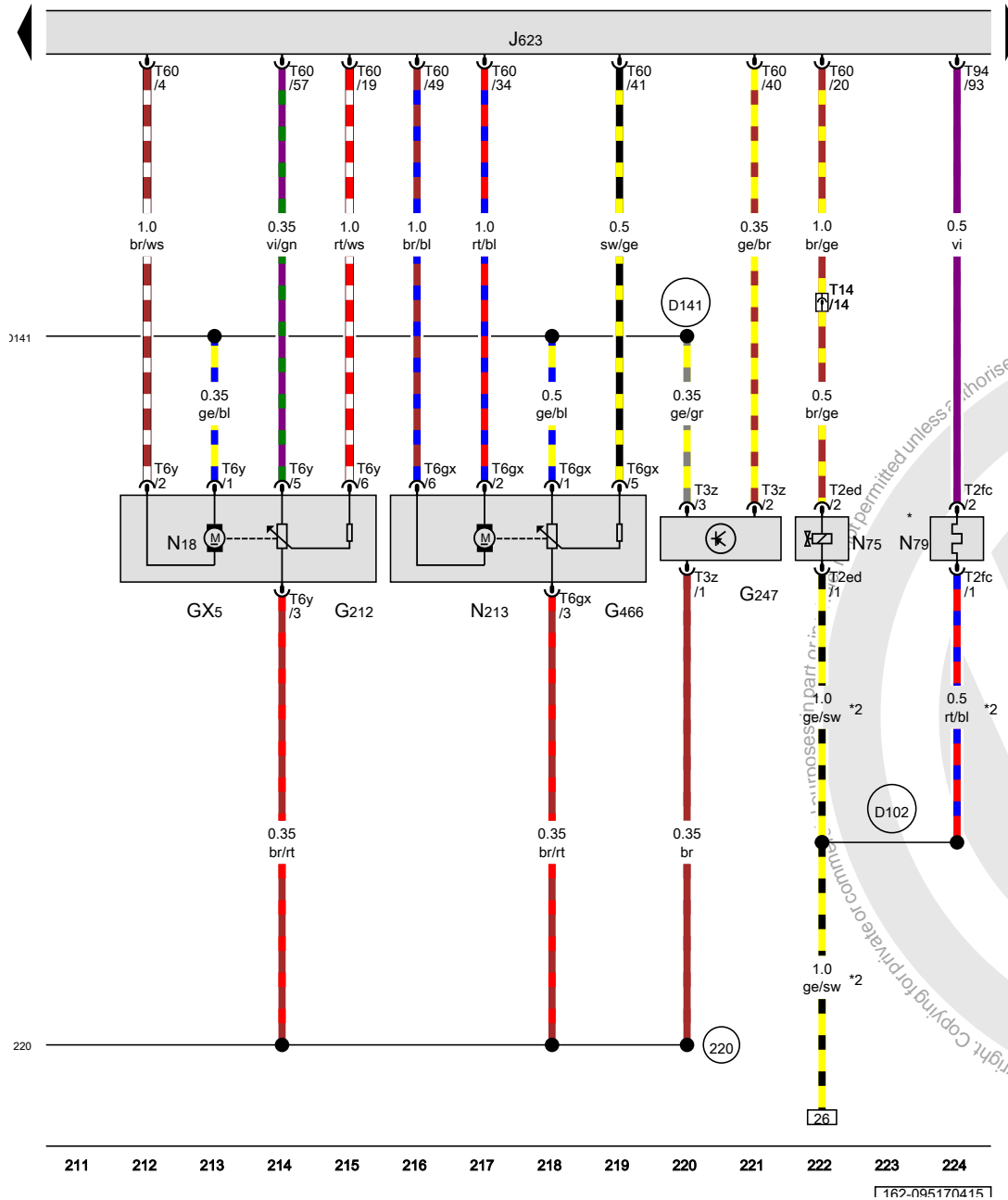


Engine speed sender, Fuel temperature sender, Position sender for charge pressure positioner, Engine control unit, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- G28 Engine speed sender
- G81 Fuel temperature sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T2ec 2-pin connector
- T2ey 2-pin connector
- T3ag 3-pin connector
- T3o 3-pin connector
- T60 60-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- D111 Connection 9 in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210
 [162-095160415]



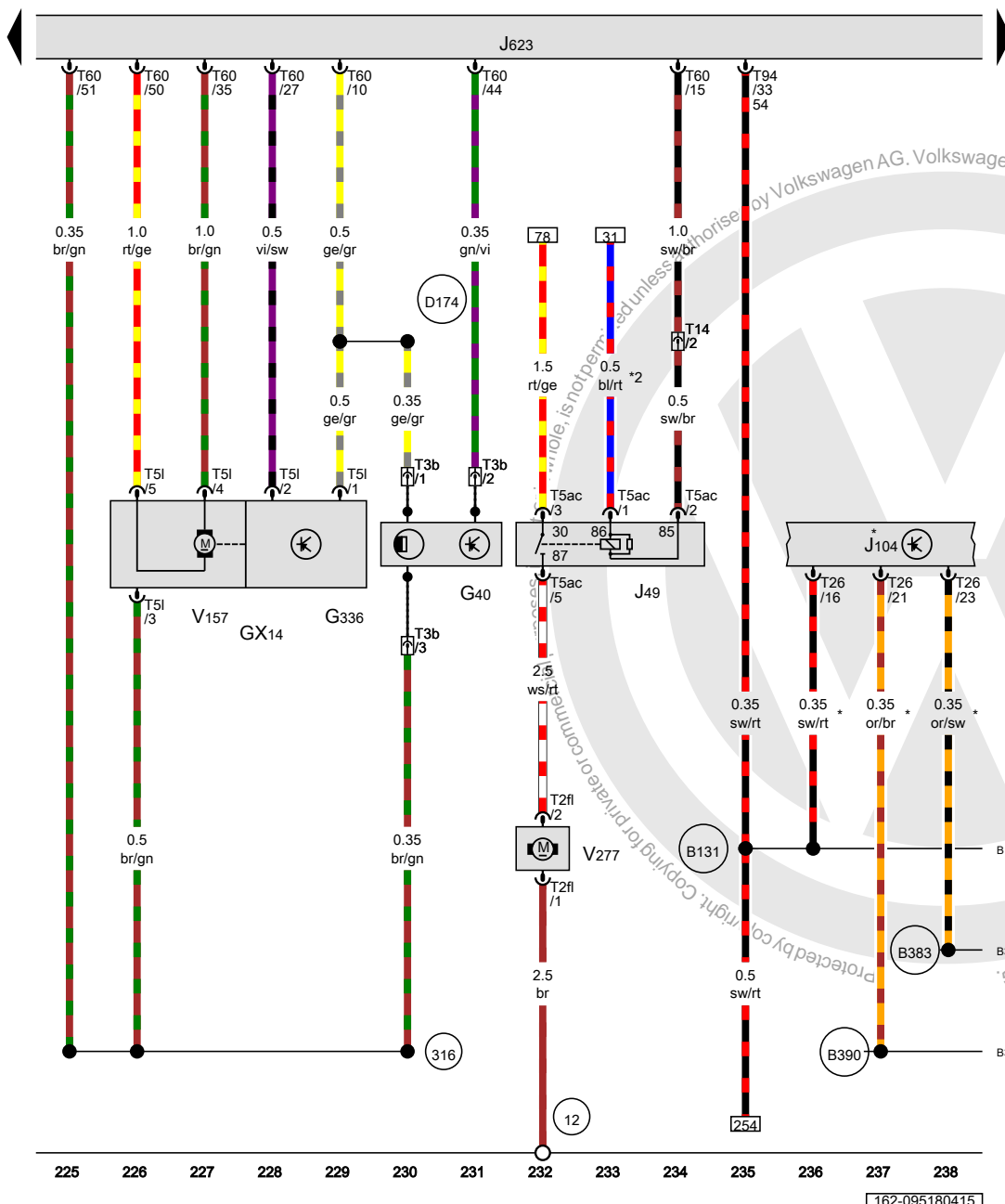
Exhaust gas recirculation valve 1, Exhaust gas recirculation potentiometer, Fuel pressure sender, Exhaust gas recirculation potentiometer 2, Engine control unit, Charge pressure control solenoid valve, Heater element for crankcase breather, Exhaust gas recirculation valve 2

- GX5 Exhaust gas recirculation valve 1
- G212 Exhaust gas recirculation potentiometer
- G247 Fuel pressure sender
- G466 Exhaust gas recirculation potentiometer 2
- J623 Engine control unit
- N18 Exhaust gas recirculation valve
- N75 Charge pressure control solenoid valve
- N79 Heater element for crankcase breather
- N213 Exhaust gas recirculation valve 2
- T2ed 2-pin connector
- T2fc 2-pin connector
- T3z 3-pin connector
- T6gx 6-pin connector
- T6y 6-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D102) Connection 2 in engine compartment wiring harness
- (D141) Connection (5V) in engine prewiring harness
- * Only models with crankcase breather heater element
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Intake manifold flap control unit, Hall sender, Intake manifold flap potentiometer, Electric fuel pump 2 relay, ABS control unit, Engine control unit, Fuel pump 2

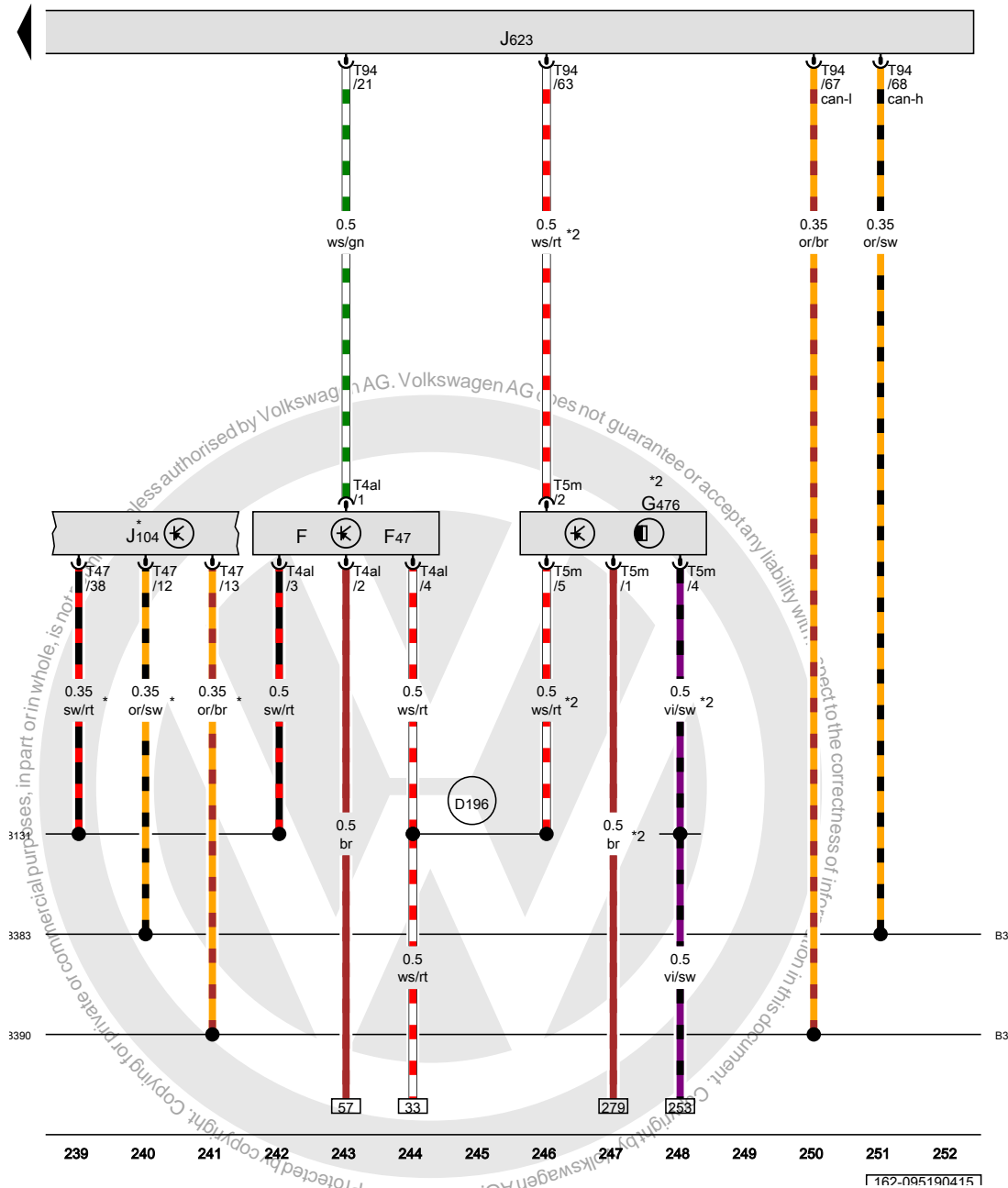


- GX14 Intake manifold flap control unit
- G40 Hall sender
- G336 Intake manifold flap potentiometer
- J49 Electric fuel pump 2 relay
- J104 ABS control unit
- J623 Engine control unit
- T2fl 2-pin connector
- T3b 3-pin connector
- T5ac 5-pin connector
- T5i 5-pin connector
- T14 14-pin connector
- T26 26-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V157 Intake manifold flap motor
- V277 Fuel pump 2
- 12 Earth point, on left in engine compartment
- 316 Earth connection (sender earth 2) in engine wiring harness
- B131 Connection (54), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- *2 Only models with ABS and no ESP
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-095180415

Brake light switch, Brake pedal switch, Clutch position sender, ABS control unit, Engine control unit

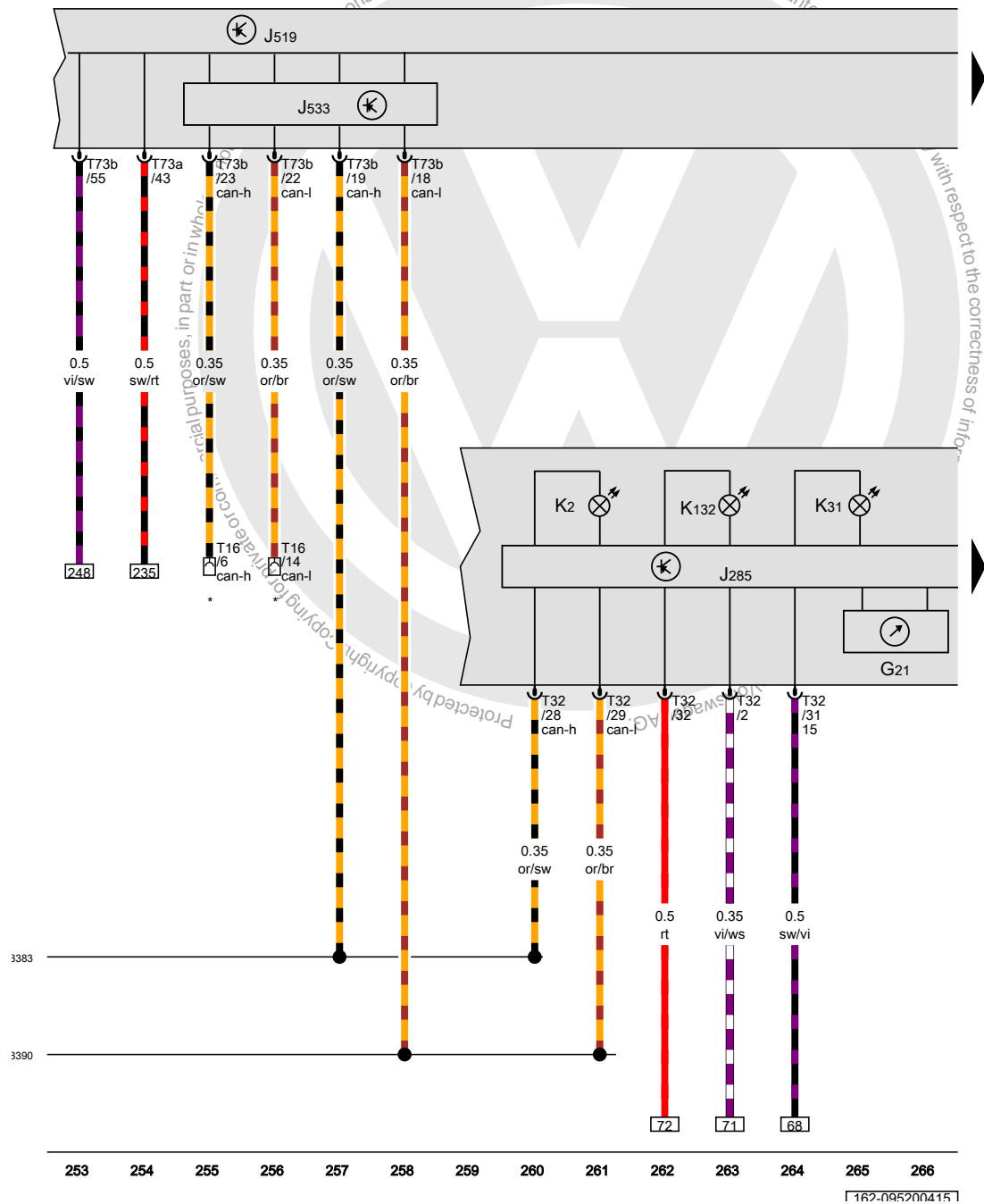


- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J104 ABS control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T47 47-pin connector
- T94 94-pin connector

- (B131) Connection (54), in interior wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness

- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Only models with manual gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

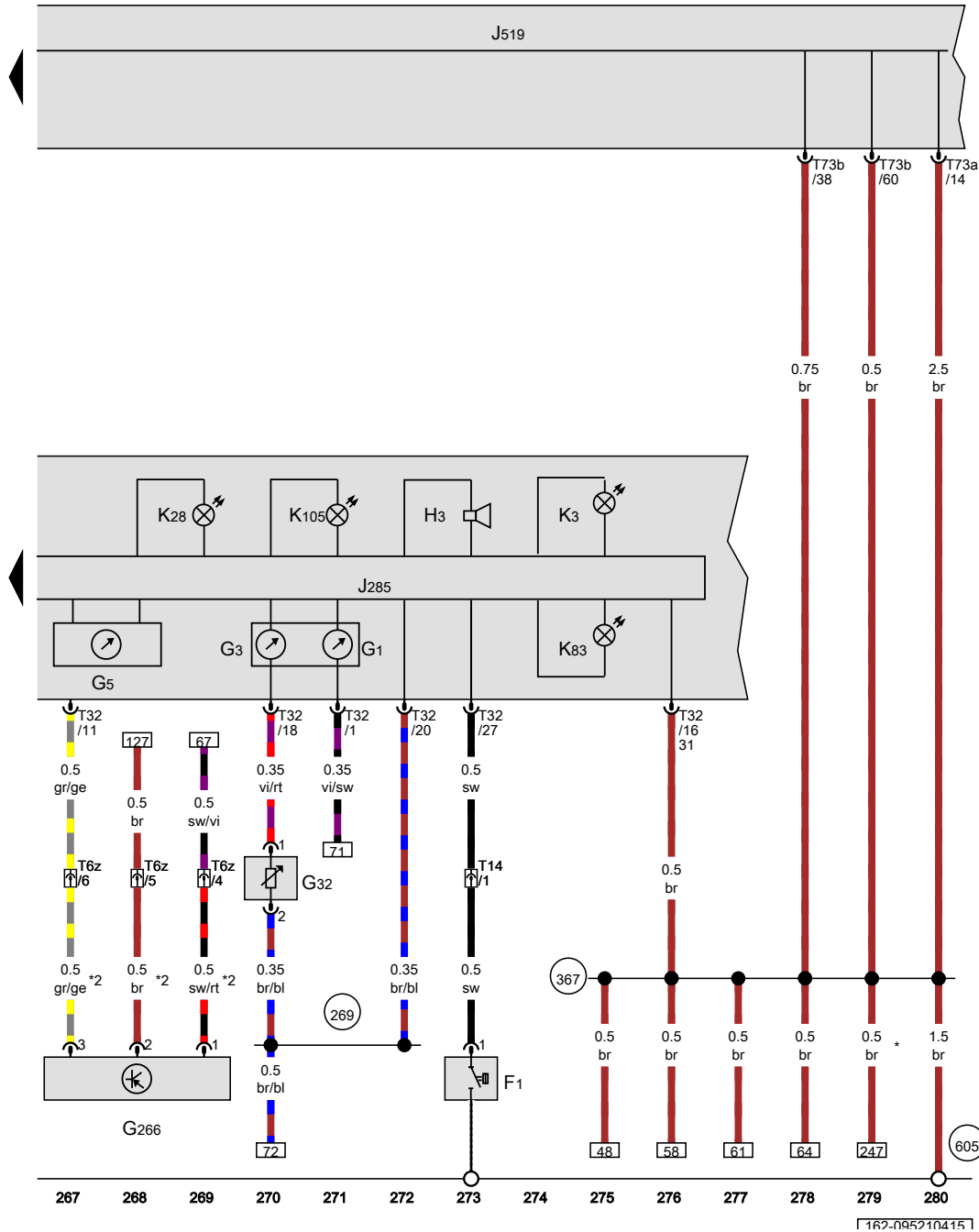


Speedometer, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Alternator warning lamp, Cruise control system warning lamp, Electronic power control fault lamp

- G21 Speedometer
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K2 Alternator warning lamp
- K31 Cruise control system warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Coolant temperature and coolant shortage warning lamp, Reserve fuel warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

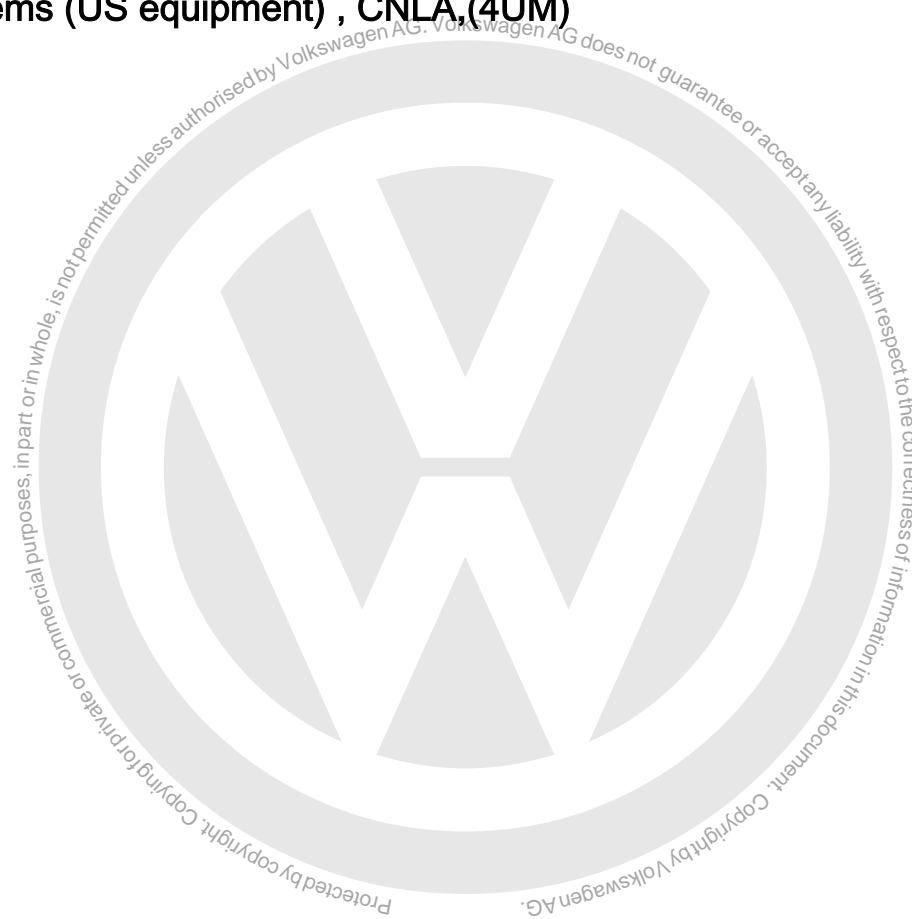
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with manual gearbox
- *2 Only models with flexible service interval display

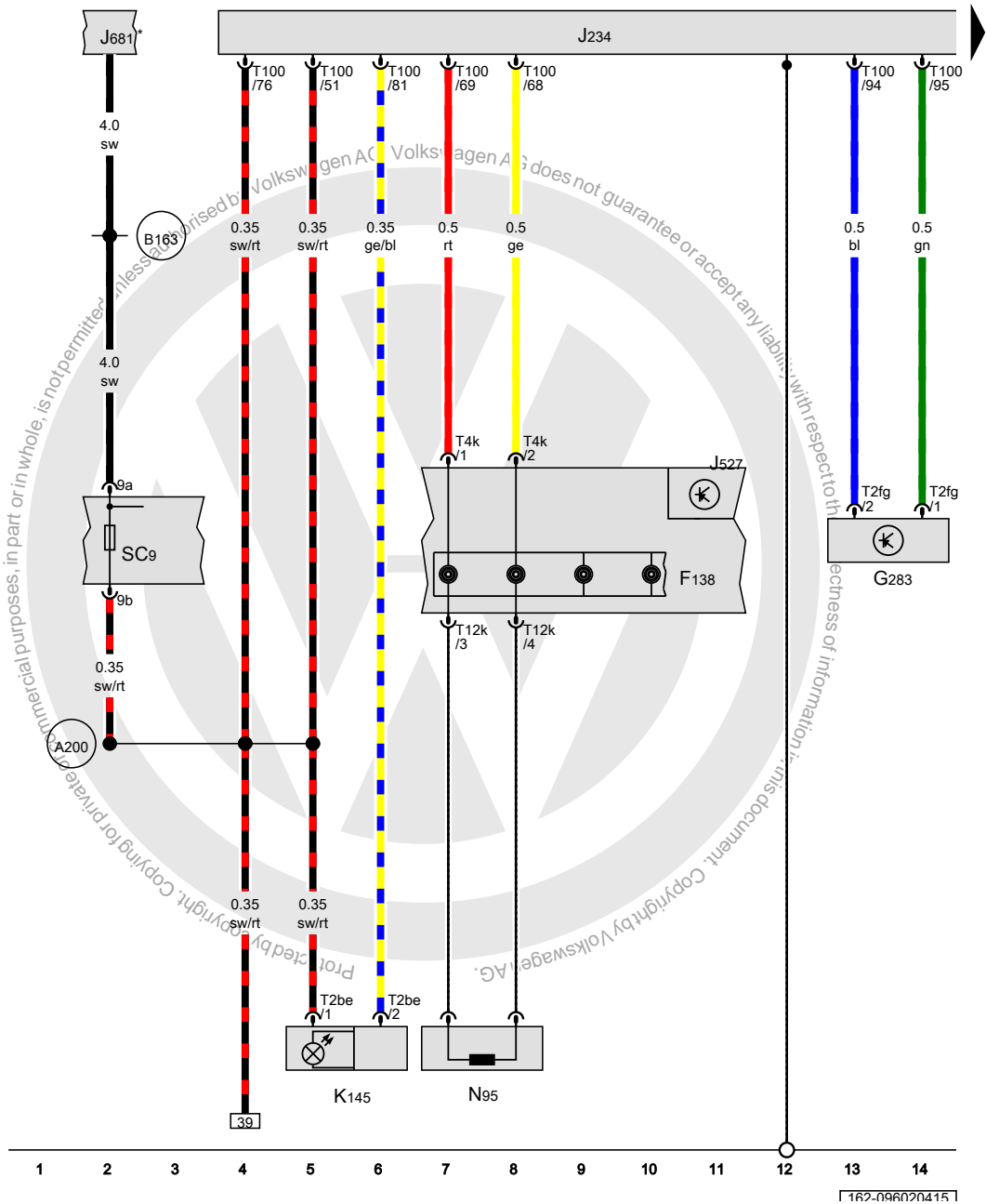
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-095210415

Airbag systems (US equipment) , CNLA,(4UM)

From June 2012

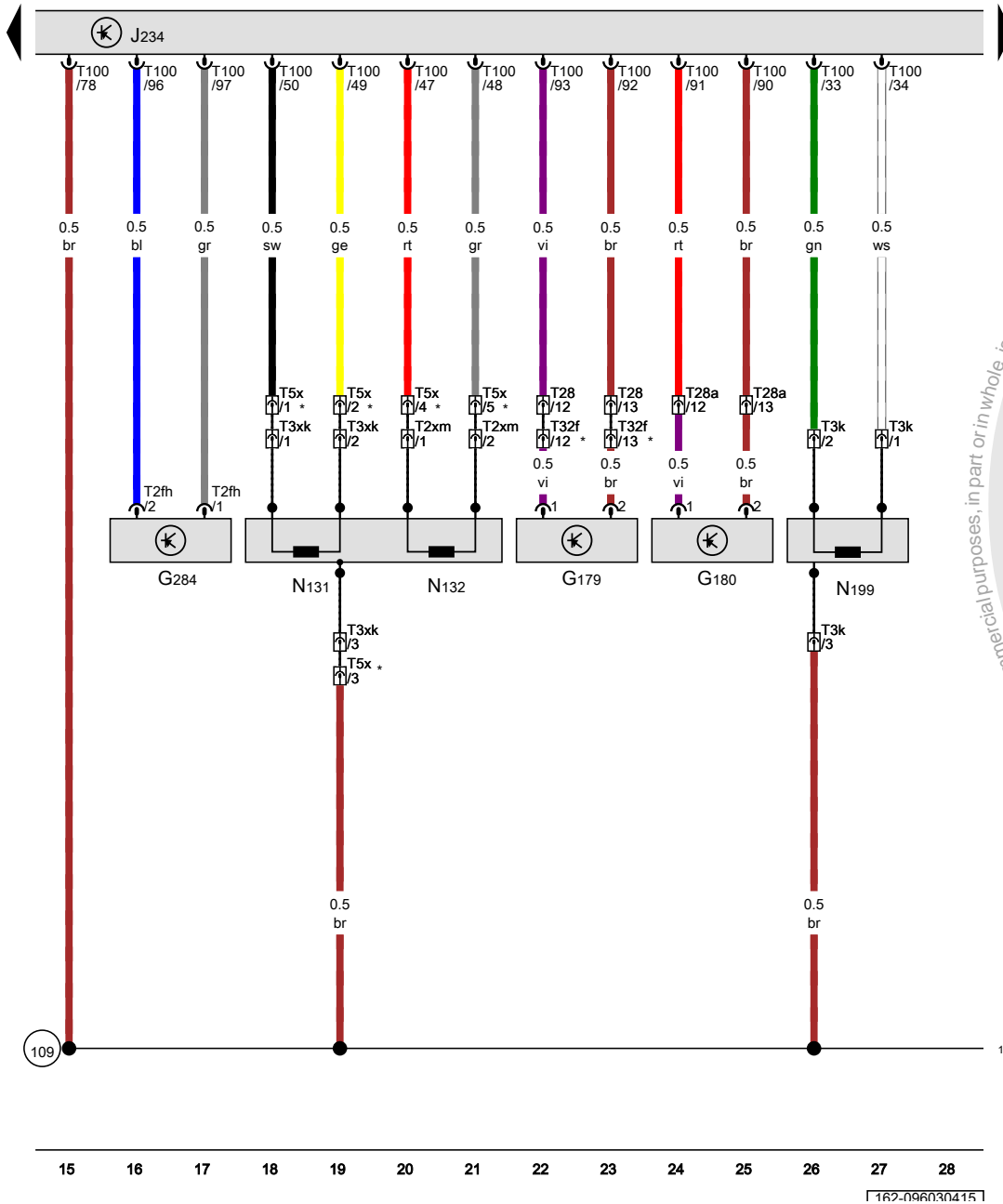




Airbag coil connector and return ring with slip ring, Front airbag crash sensor for driver side, Airbag control unit, Steering column electronics control unit, Front passenger side airbag deactivated warning lamp, Driver side airbag igniter

- F138 Airbag coil connector and return ring with slip ring
- G283 Front airbag crash sensor for driver side
- J234 Airbag control unit
- J527 Steering column electronics control unit
- J681 Terminal 15 voltage supply relay 2
- K145 Front passenger side airbag deactivated warning lamp
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- T2be 2-pin connector
- T2fg 2-pin connector
- T4k 4-pin connector
- T9f 9-pin connector
- T12k 12-pin connector
- T100 100-pin connector

- (A200) Positive connection 5 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- * see applicable current flow diagram for basic equipment



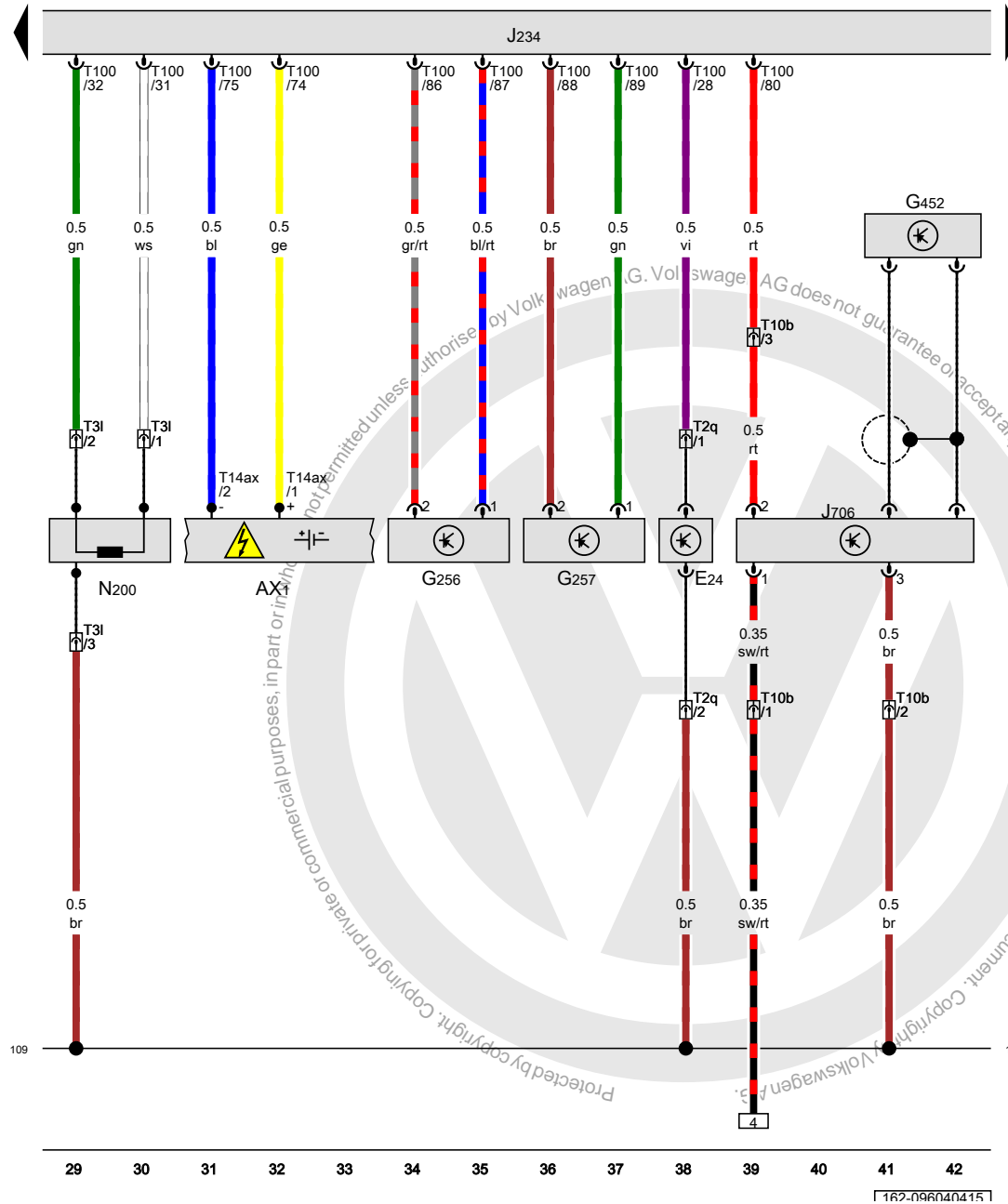
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for front passenger side, Airbag control unit, Front passenger side airbag igniter 1, Front passenger side airbag igniter 2

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G284 Front airbag crash sensor for front passenger side
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N132 Front passenger side airbag igniter 2
- N199 Side airbag igniter on driver side
- T2fh 2-pin connector
- T2xm 2-pin connector
- T3k 3-pin connector, under driver seat
- T3xk 3-pin connector
- T5x 5-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T32f 32-pin connector
- T100 100-pin connector

- 109 Earth connection, in airbag wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-096030415



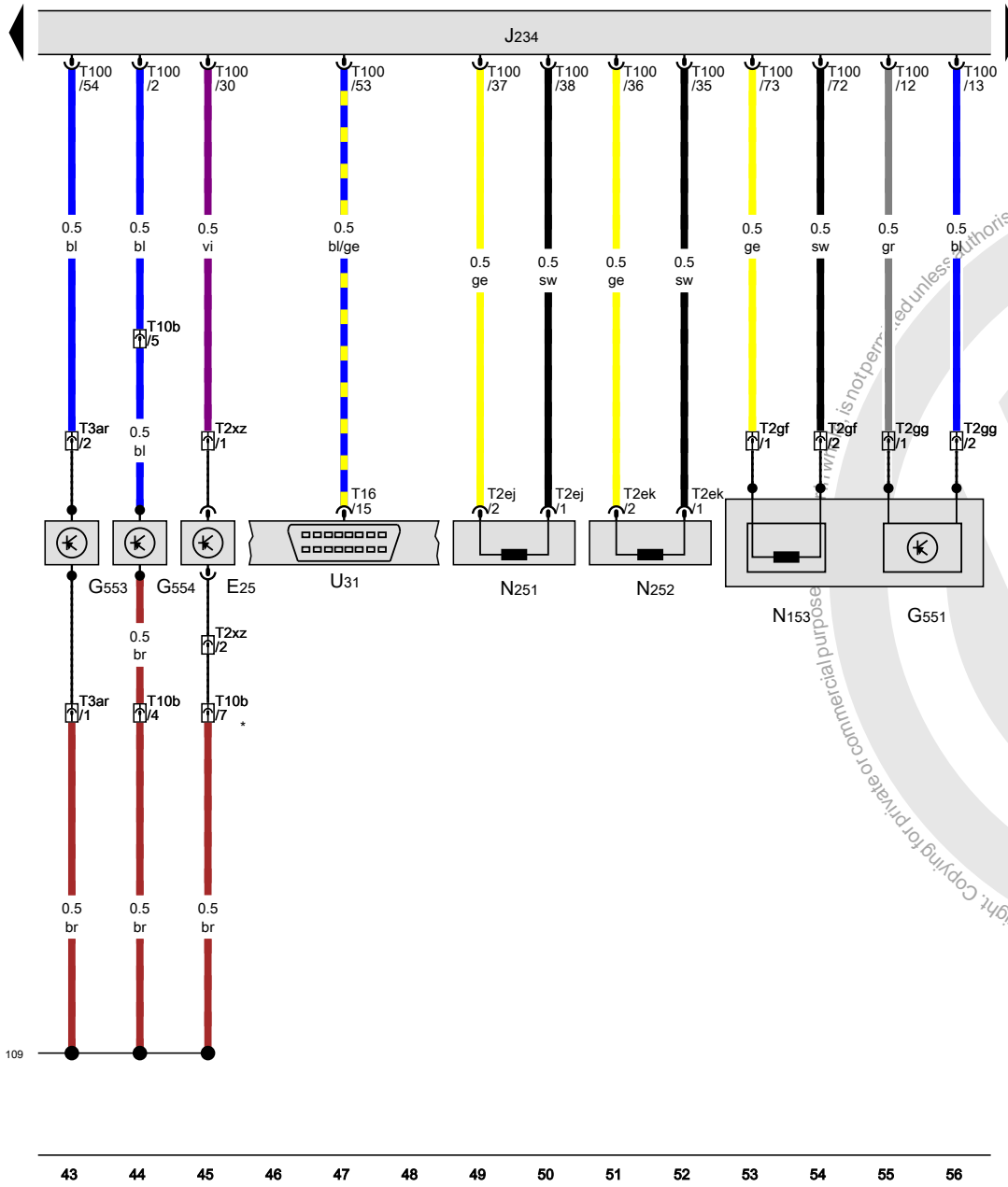
Hybrid battery unit, Driver side belt switch, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Pressure sensor for seat occupied recognition, Airbag control unit, Seat occupied recognition control unit, Side airbag igniter on front passenger side

- AX1 Hybrid battery unit
- E24 Driver side belt switch
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on front passenger side
- G452 Pressure sensor for seat occupied recognition
- J234 Airbag control unit
- J706 Seat occupied recognition control unit
- N200 Side airbag igniter on front passenger side
- T2q 2-pin connector, under driver seat
- T31 3-pin connector, under front passenger seat
- T10b 10-pin connector
- T14ax 14-pin connector
- T100 100-pin connector
- 109 Earth connection, in airbag wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-096040415

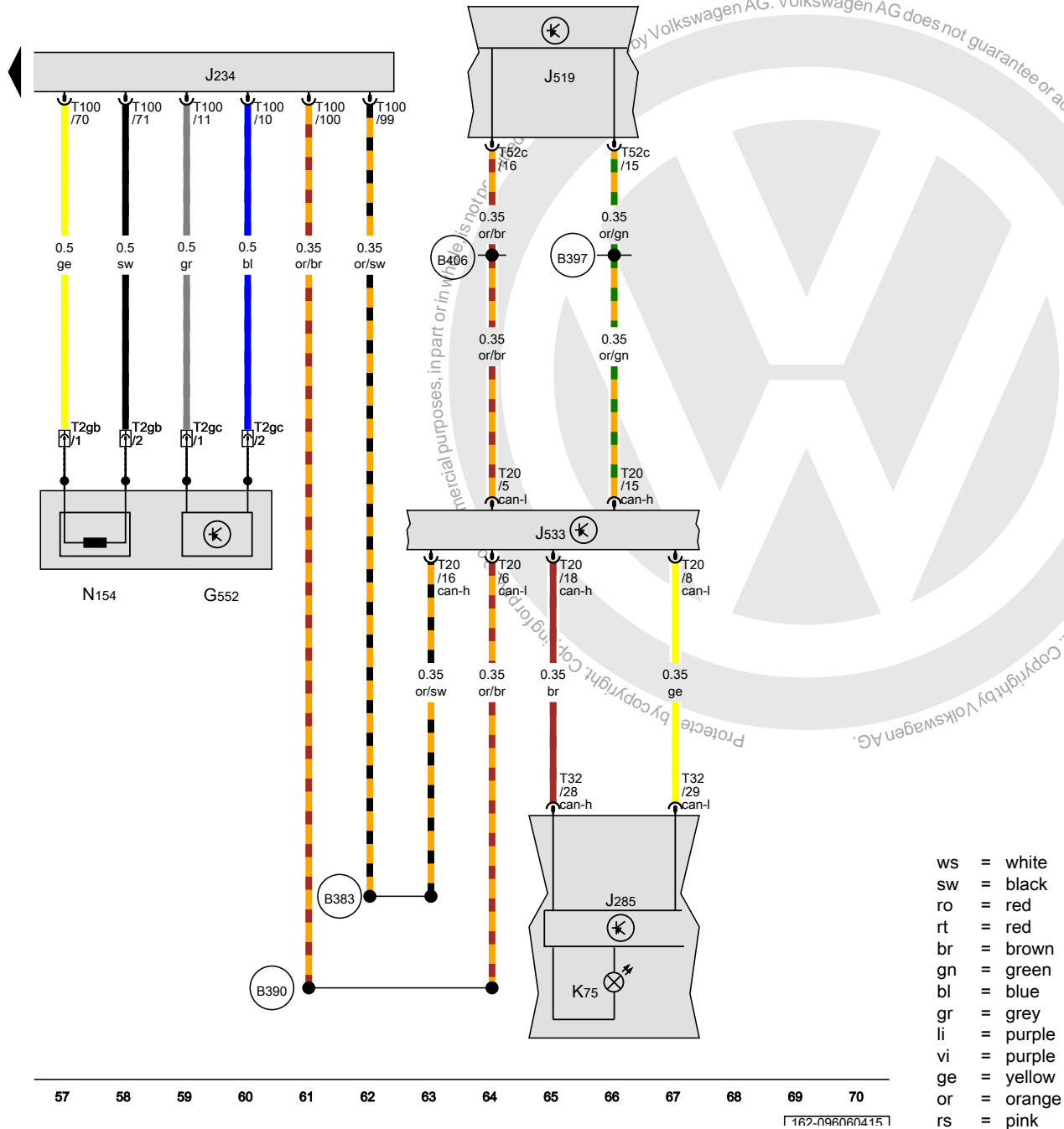
Front passenger side belt switch, Driver side belt force limiter, Driver side seat position sensor, Front passenger side seat position sensor, Airbag control unit, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter



- E25 Front passenger side belt switch
- G551 Driver side belt force limiter
- G553 Driver side seat position sensor
- G554 Front passenger side seat position sensor
- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ej 2-pin connector
- T2ek 2-pin connector
- T2gf 2-pin connector
- T2gg 2-pin connector
- T2xz 2-pin connector, under front passenger seat
- T3ar 3-pin connector
- T10b 10-pin connector
- T16 16-pin connector
- T100 100-pin connector
- U31 Diagnostic connection
- 109 Earth connection, in airbag wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-096050415



Front passenger side belt force limiter, Airbag control unit, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Airbag warning lamp

- G552 Front passenger side belt force limiter
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K75 Airbag warning lamp
- N154 Front passenger seat belt tensioner igniter 1
- T2gb 2-pin connector
- T2gc 2-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T100 100-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness

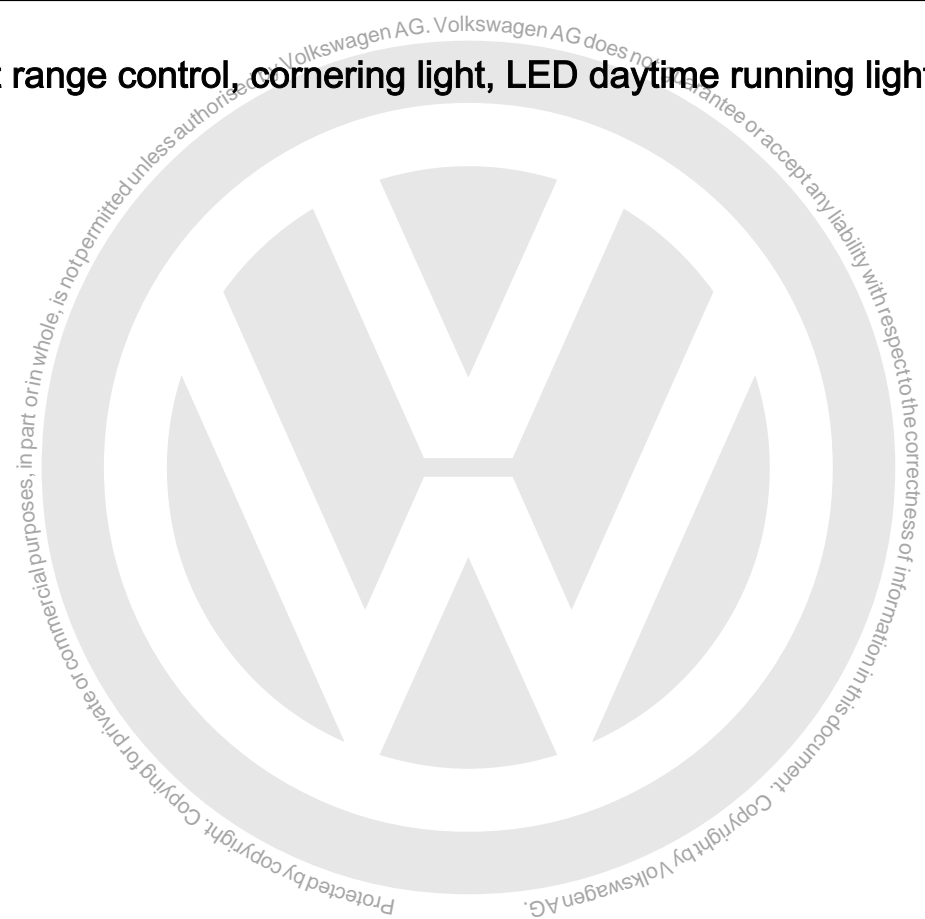
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

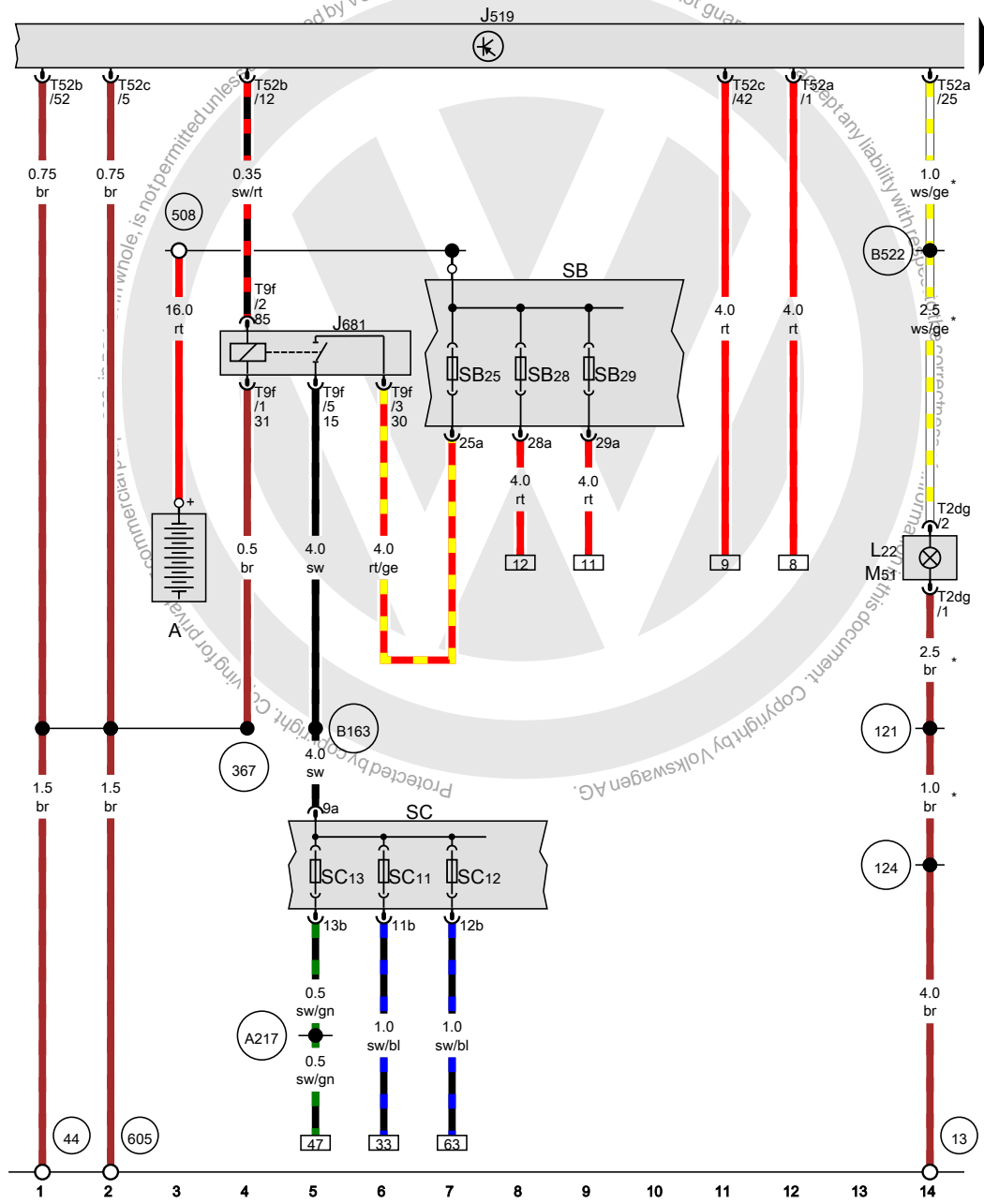
57 58 59 60 61 62 63 64 65 66 67 68 69 70

162-096060415

**Gas discharge headlights (bi-xenon) with automatic headlight range control, cornering light, LED daytime running lights ,
(8IM)**

From June 2012



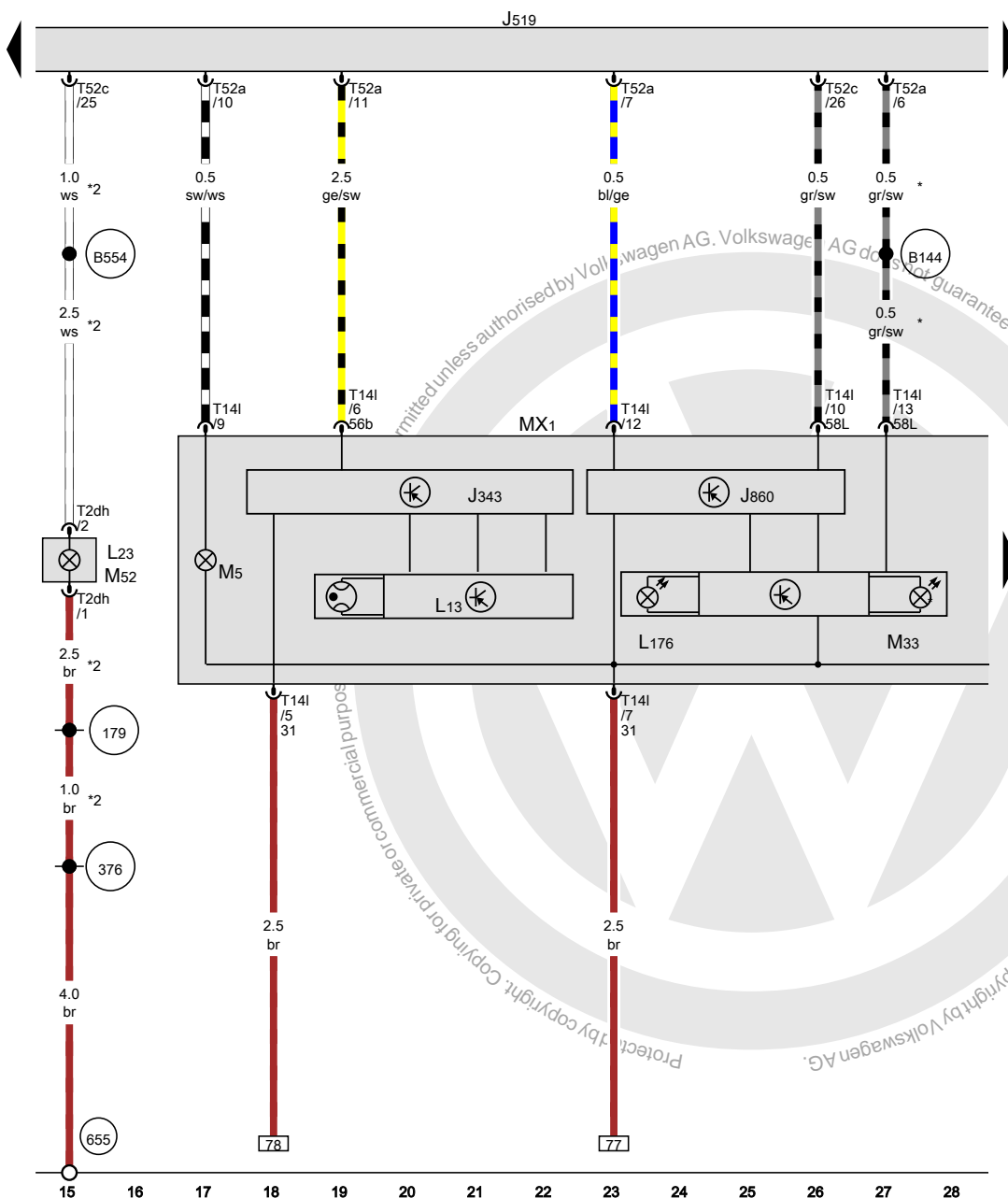


Onboard supply control unit, Terminal 15 voltage supply relay 2, Left fog light bulb, Left static cornering light, Fuse holder B, Fuse holder C

- A Battery
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- L22 Left fog light bulb
- M51 Left static cornering light
- SB Fuse holder B
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SB25 Fuse 25 on fuse holder B
- SB28 Fuse 28 on fuse holder B
- SB29 Fuse 29 on fuse holder B
- SC Fuse holder C
- T2dg 2-pin connector
- T9f 9-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- 13 Earth point, on right in engine compartment
- 44 Earth point, lower part of left A-pillar
- 121 Earth connection 2, in front right wiring harness
- 124 Earth connection, in right side engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 508 Threaded connection (30) on E-box
- 605 Earth point, on top end of steering column
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B522 Connection (FL), in main wiring harness
- * Only models with fog lights

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-097020415

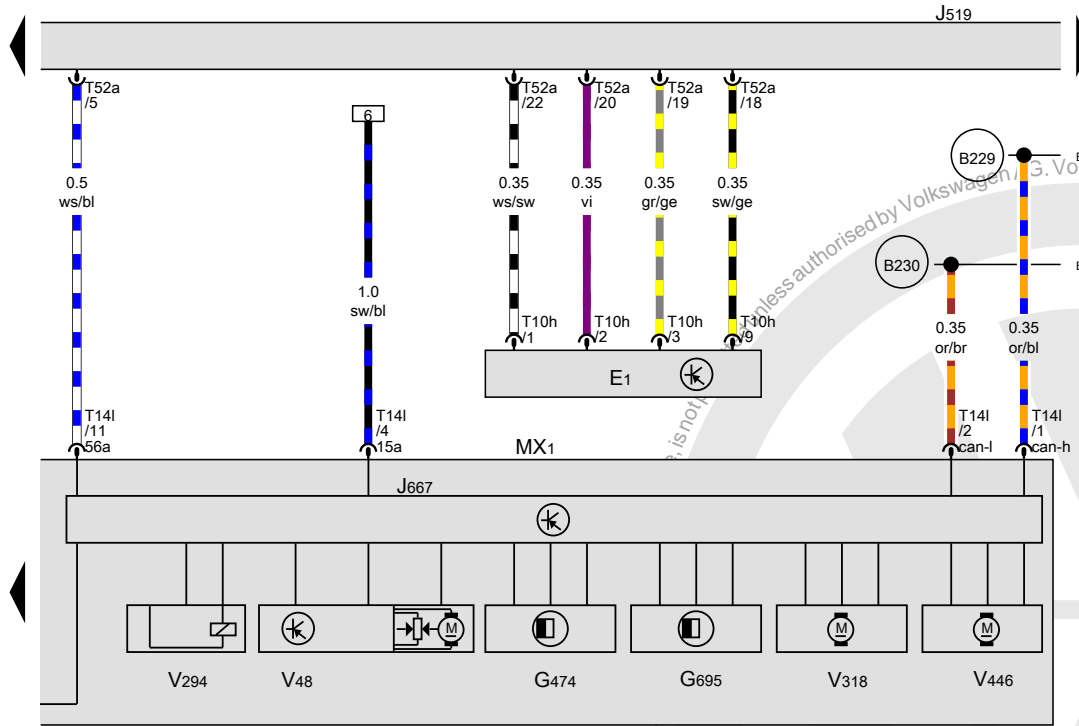


Left gas discharge bulb control unit, Onboard supply control unit, Left gas discharge (xenon) bulb, Right fog light bulb, Left LED module for daytime running light and side light, Front left turn signal bulb, Right static cornering light

- J343 Left gas discharge bulb control unit, on left headlight
- J519 Onboard supply control unit
- J860 Control unit for left daytime running light and side light, on left headlight, in left headlight, in left headlight
- L13 Left gas discharge (xenon) bulb
- L23 Right fog light bulb
- L176 Left LED module for daytime running light and side light
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M33 Front left side marker bulb
- M52 Right static cornering light
- T2dh 2-pin connector
- T14i 14-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

- 179 Earth connection, in left headlight wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B144 Positive connection (58L), in interior wiring harness
- B554 Connection (fog light), in main wiring harness
- * Only for American markets
- *2 Only models with fog lights

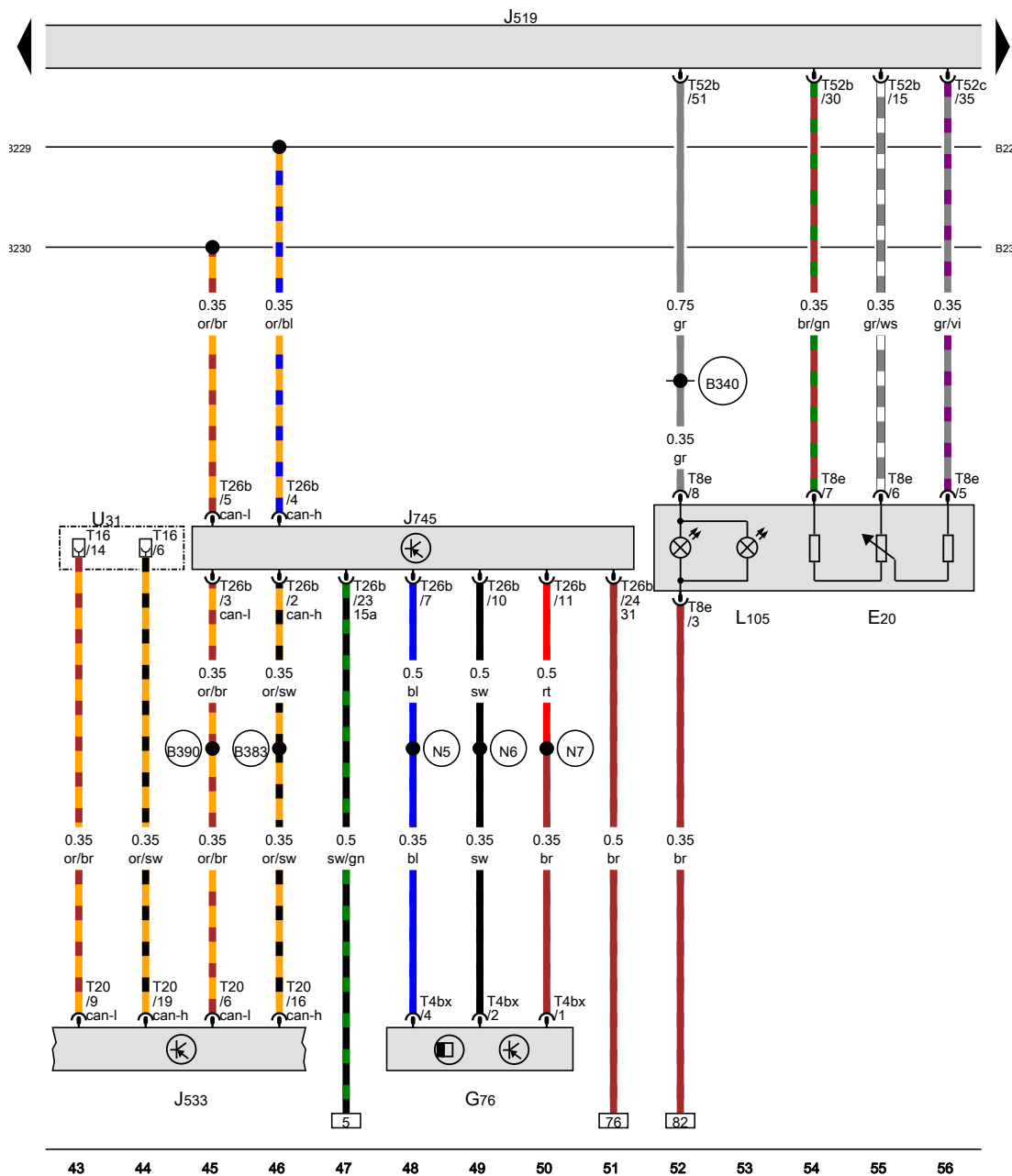
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Output module for left headlight, Left headlight range control motor, Left dip beam screen motor, Left dynamic cornering light control motor

- E1 Light switch
- G474 Left swivel module position sensor
- G695 Control motor sender for left VARILIS headlight
- J519 Onboard supply control unit
- J667 Output module for left headlight, on left headlight
- MX1 Front left headlight
- T10h 10-pin connector
- T14l 14-pin connector
- T52a 52-pin connector
- V48 Left headlight range control motor
- V294 Left dip beam screen motor
- V318 Left dynamic cornering light control motor
- V446 Control motor for left VARILIS headlight
- (B229) Connection (high bus), in interior wiring harness
- (B230) Connection (low bus), in interior wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

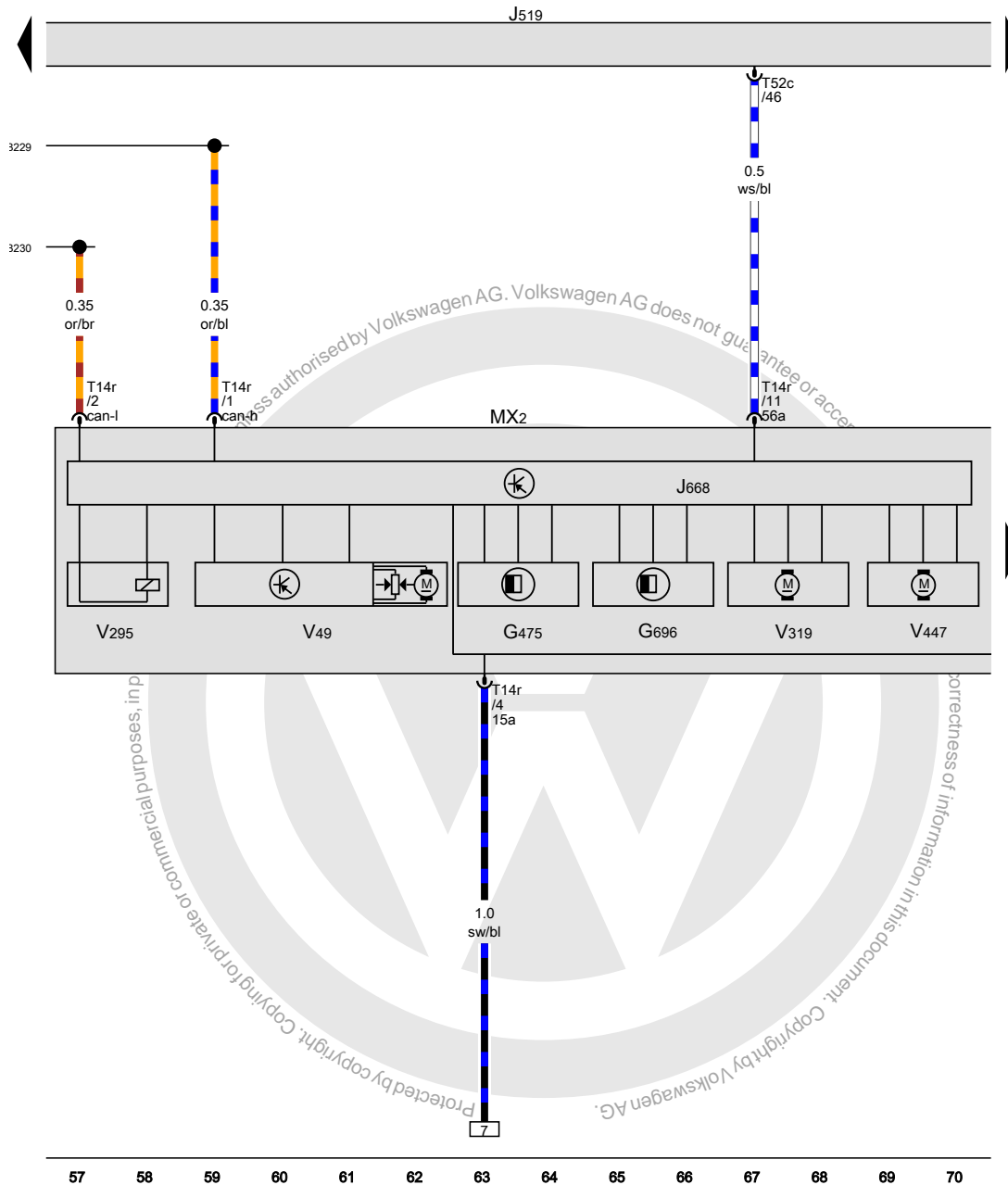


Rear left vehicle level sender, Onboard supply control unit, Data bus diagnostic interface, Control unit for cornering light and headlight range control, Illumination regulator illumination bulb

- E20 Switch and instrument illumination regulator
- G76 Rear left vehicle level sender
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface, in left footwell, near centre console
- J745 Control unit for cornering light and headlight range control, on right of glove compartment
- L105 Illumination regulator illumination bulb
- T4bx 4-pin connector
- T8e 8-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T26b 26-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- U31 Diagnostic connection

- (B229) Connection (high bus), in interior wiring harness
- (B230) Connection (low bus), in interior wiring harness
- (B340) Connection 1 (58d), in main wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (N5) Connection 4, in headlight range control wiring harness
- (N6) Connection 5, in headlight range control wiring harness
- (N7) Connection 6, in headlight range control wiring harness

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- sw = black
- ro = red
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- br = brown
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Output module for right headlight, Right headlight range control motor, Right dip beam screen motor, Right dynamic cornering light control motor

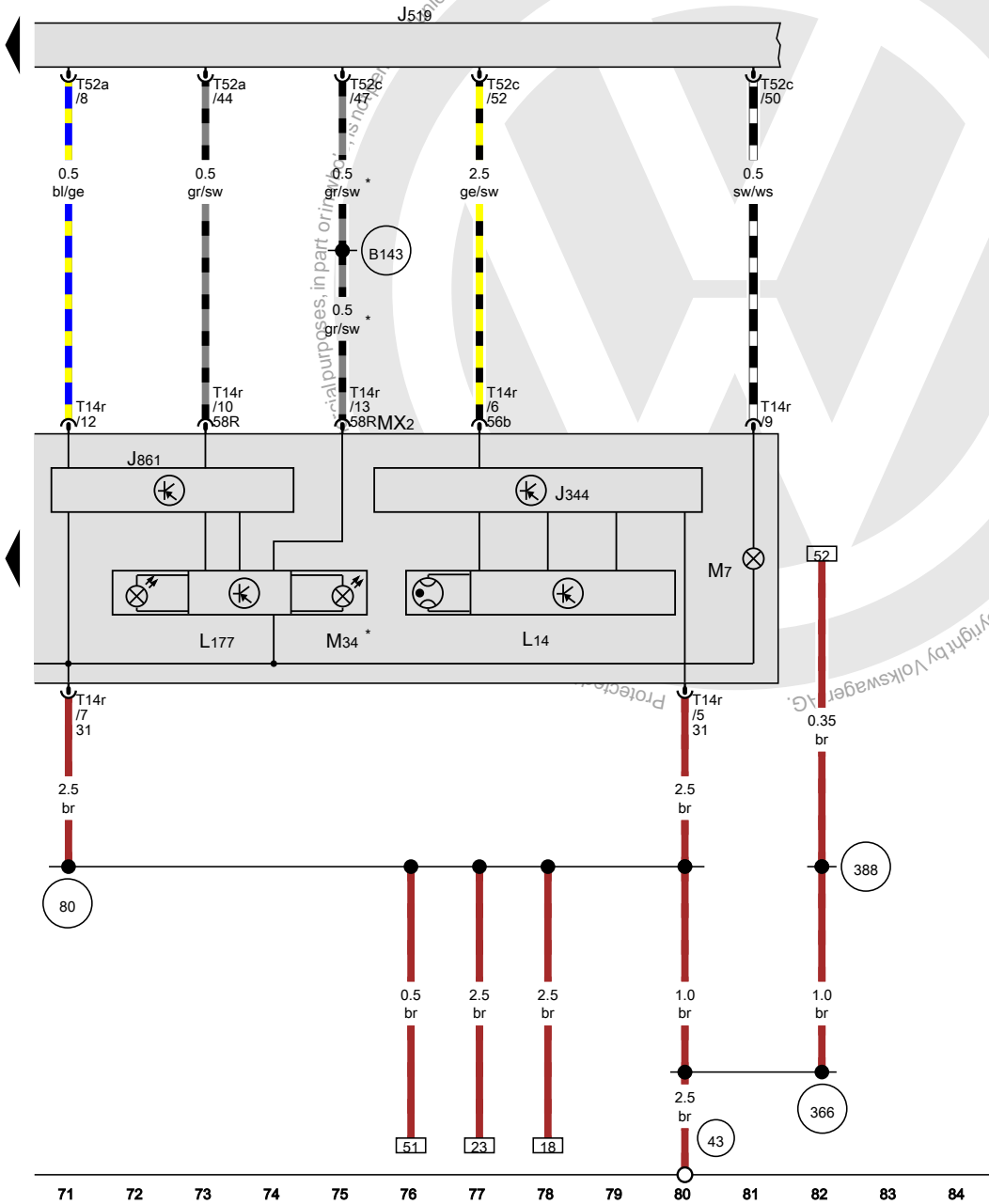
- G475 Right swivel module position sensor
- G696 Control motor sender for right VARILIS headlight
- J519 Onboard supply control unit
- J668 Output module for right headlight, on left headlight, on right headlight
- MX2 Front right headlight
- T14r 14-pin connector
- T52c 52-pin connector
- V49 Right headlight range control motor
- V295 Right dip beam screen motor
- V319 Right dynamic cornering light control motor
- V447 Control motor for right VARILIS headlight

- B229 Connection (high bus), in interior wiring harness
- B230 Connection (low bus), in interior wiring harness

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

57 58 59 60 61 62 63 64 65 66 67 68 69 70

162-097060415



Right gas discharge bulb control unit, Onboard supply control unit, Right gas discharge (xenon) bulb, Right LED module for daytime running light and side light, Front right turn signal bulb

- J344 Right gas discharge bulb control unit, on left headlight, on right headlight
- J519 Onboard supply control unit
- J861 Control unit for right daytime running light and side light, on left headlight, in left headlight, in left headlight, in right headlight
- L14 Right gas discharge (xenon) bulb
- L177 Right LED module for daytime running light and side light
- MX2 Front right headlight
- M7 Front right turn signal bulb
- M34 Front right side marker bulb
- T14r 14-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B143 Positive connection (58R), in interior wiring harness
- * Only for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

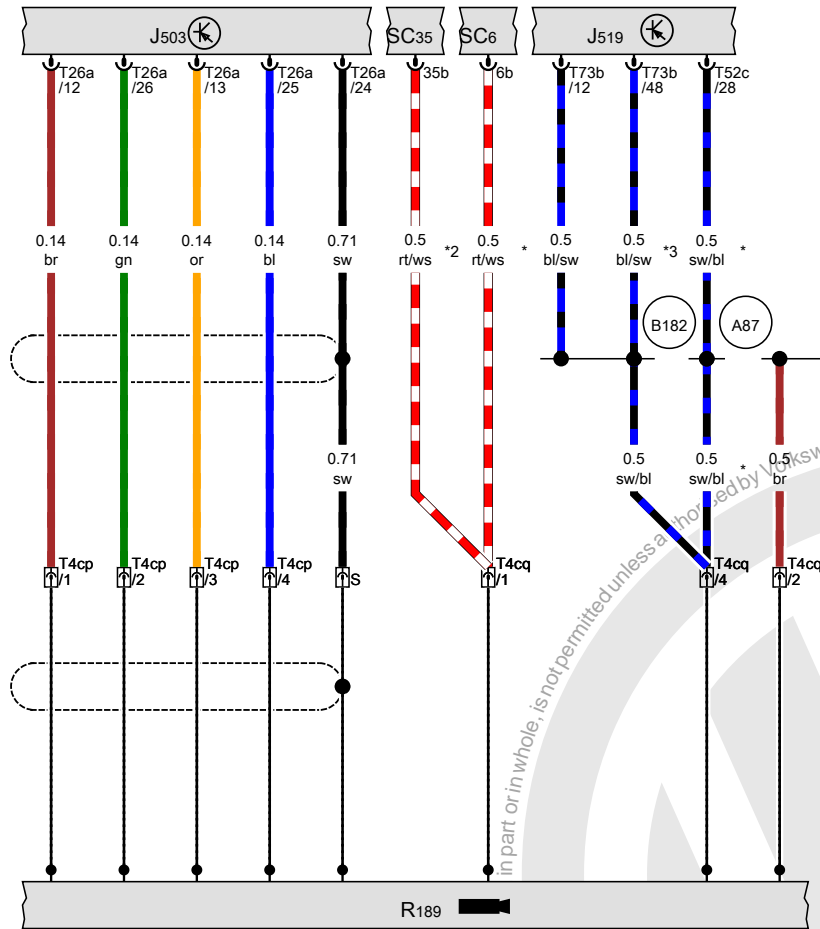
162-097070415

Reversing camera (Rear Assist) , (KA1)

From June 2012



Control unit with display for radio and navigation, Reversing camera



- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- R189 Reversing camera
- SC6 Fuse 6 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T4 4-pin connector
- T4cp 4-pin connector
- T4cq 4-pin connector
- T26a 26-pin connector
- T52c 52-pin connector
- T73b 73-pin connector

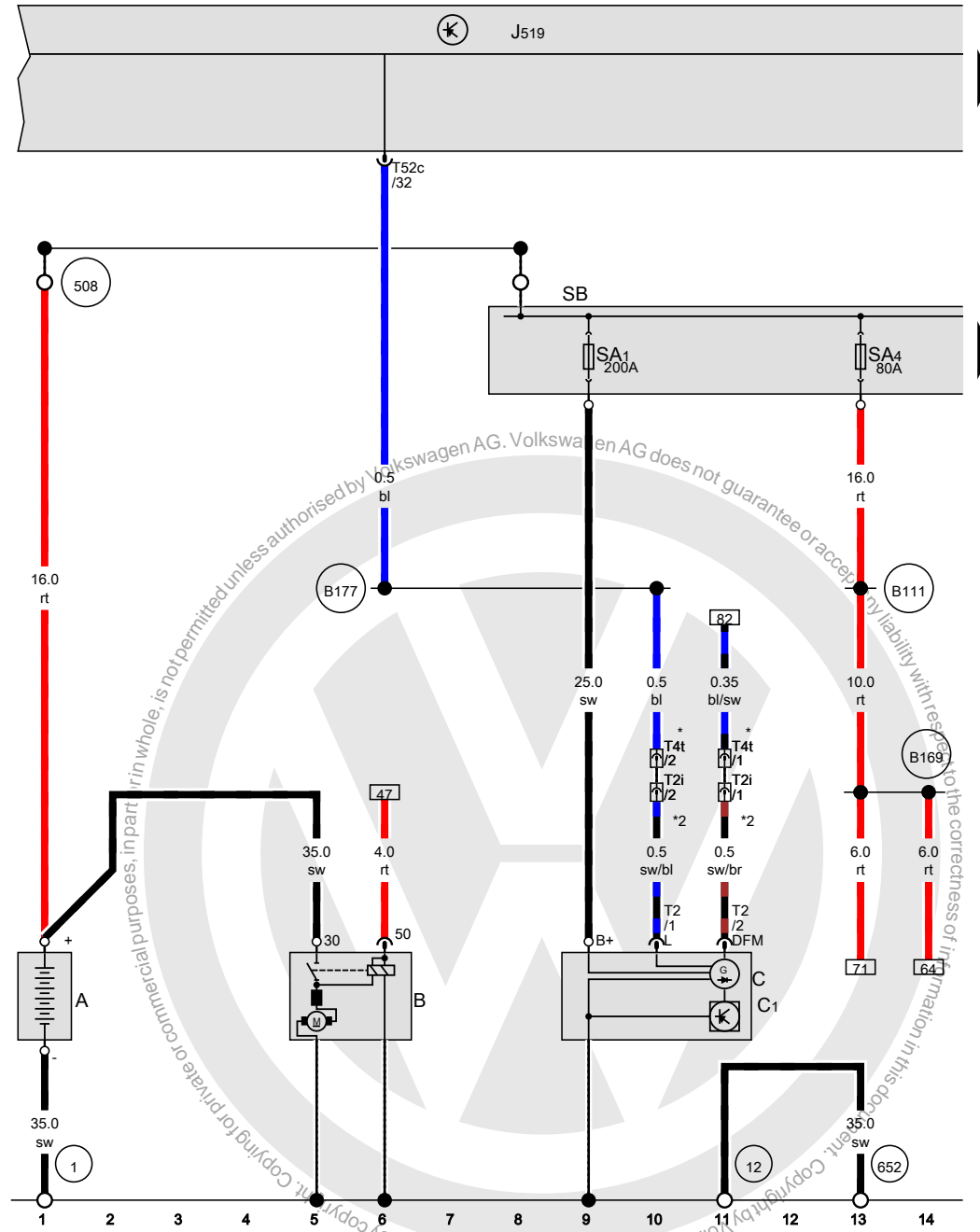
- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- A87 Connection (RL), in dash panel wiring harness
- B182 Connection (RL), in interior wiring harness
- Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with manual gearbox

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- li = purple
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1.4l petrol engine , CAXA,CMSB

From January 2012





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

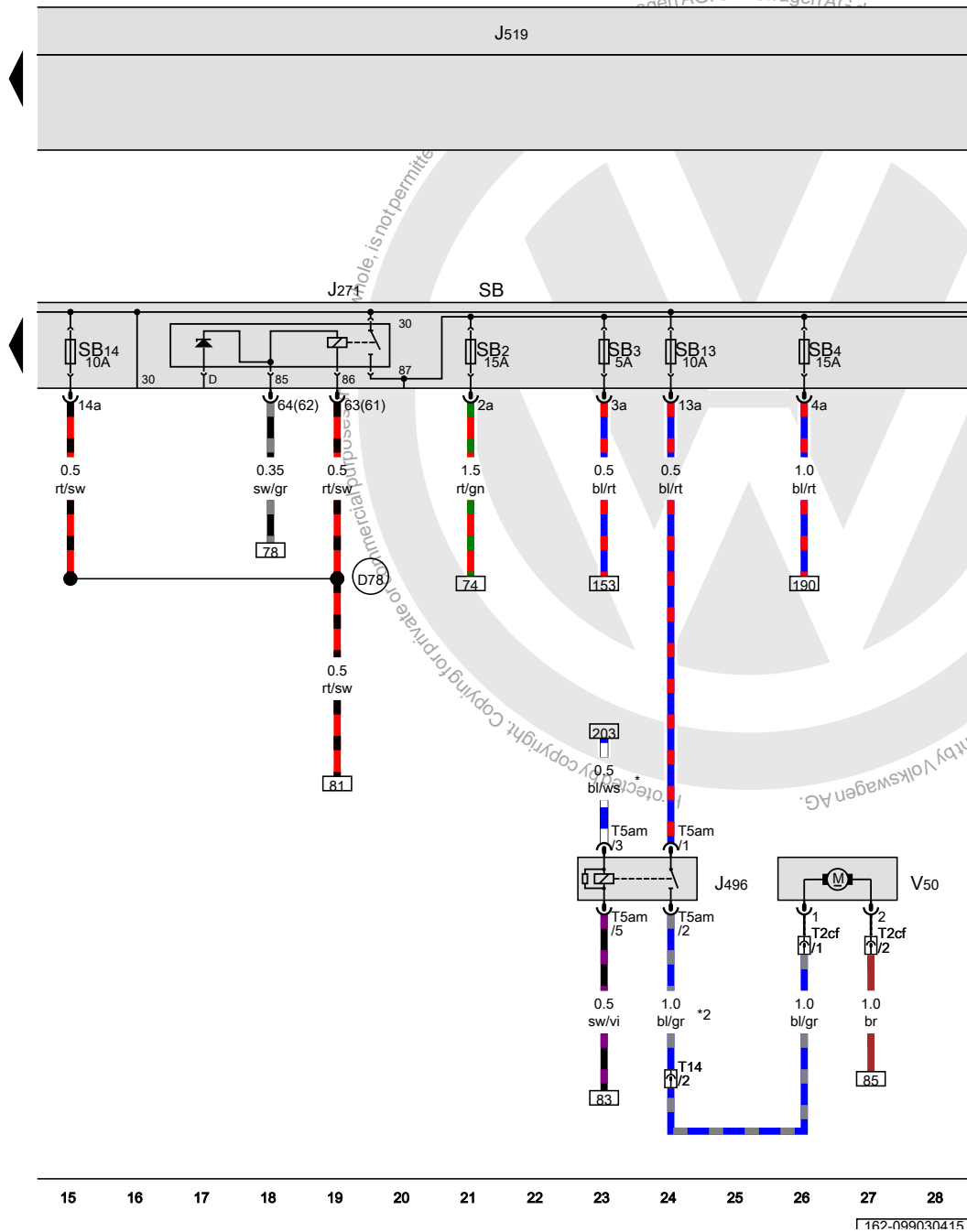
* Only models with air conditioning system
 *2 Only models with no air conditioning system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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- ge = yellow
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Main relay, Additional coolant pump relay, Onboard supply control unit, Fuse holder B, Coolant circulation pump

- J271 Main relay
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T2cf 2-pin connector
- T5am 5-pin connector
- T14 14-pin connector
- V50 Coolant circulation pump

- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Wiring colour depends on equipment
- *2 Cross section depends on equipment



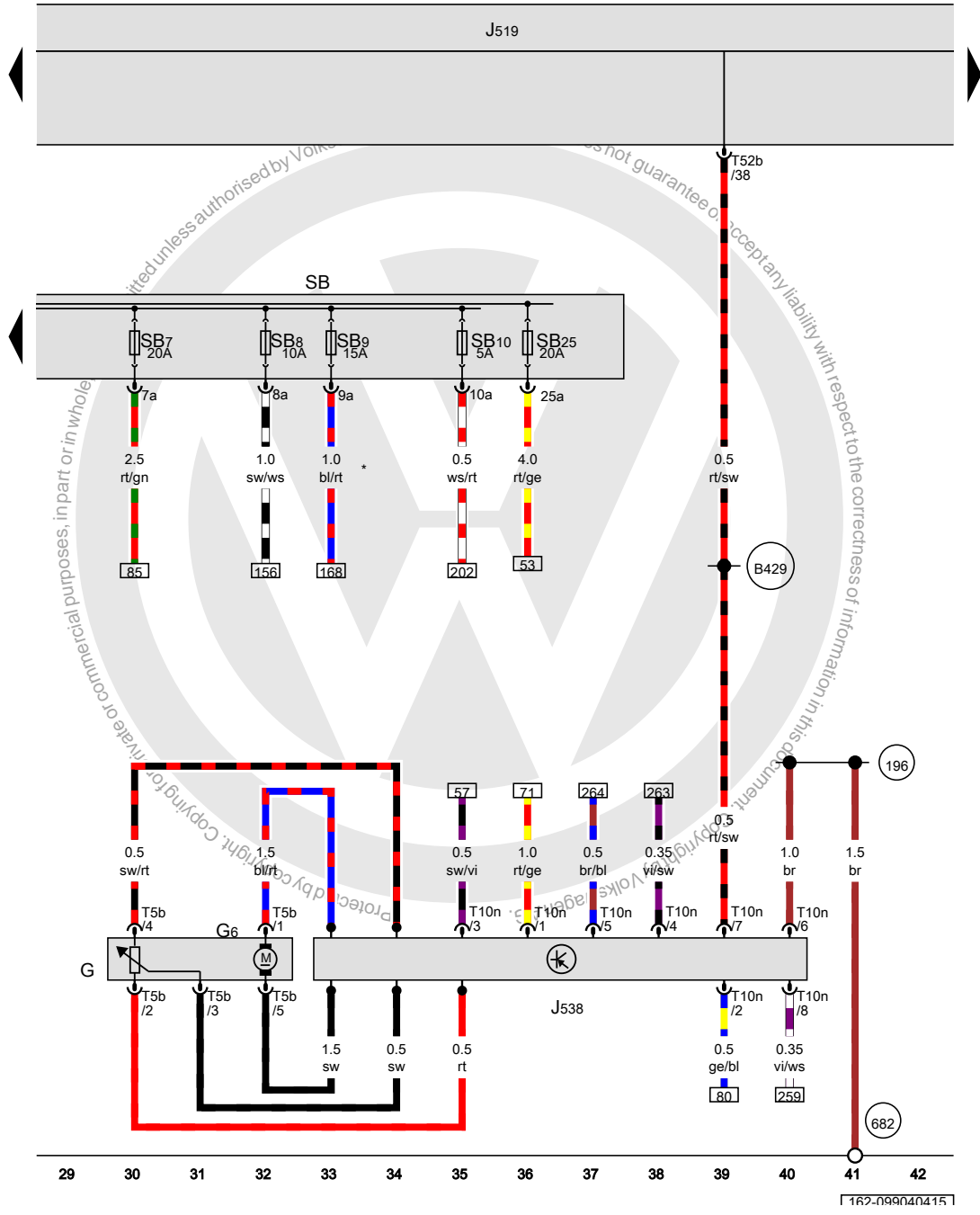
- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
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- li = purple
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- ge = yellow
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- rs = pink

162-099030415

Fuel gauge sender, Fuel system pressurisation pump, Onboard supply control unit, Fuel pump control unit, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B429 Connection (EFPR), in main wiring harness
- * Cross section depends on equipment

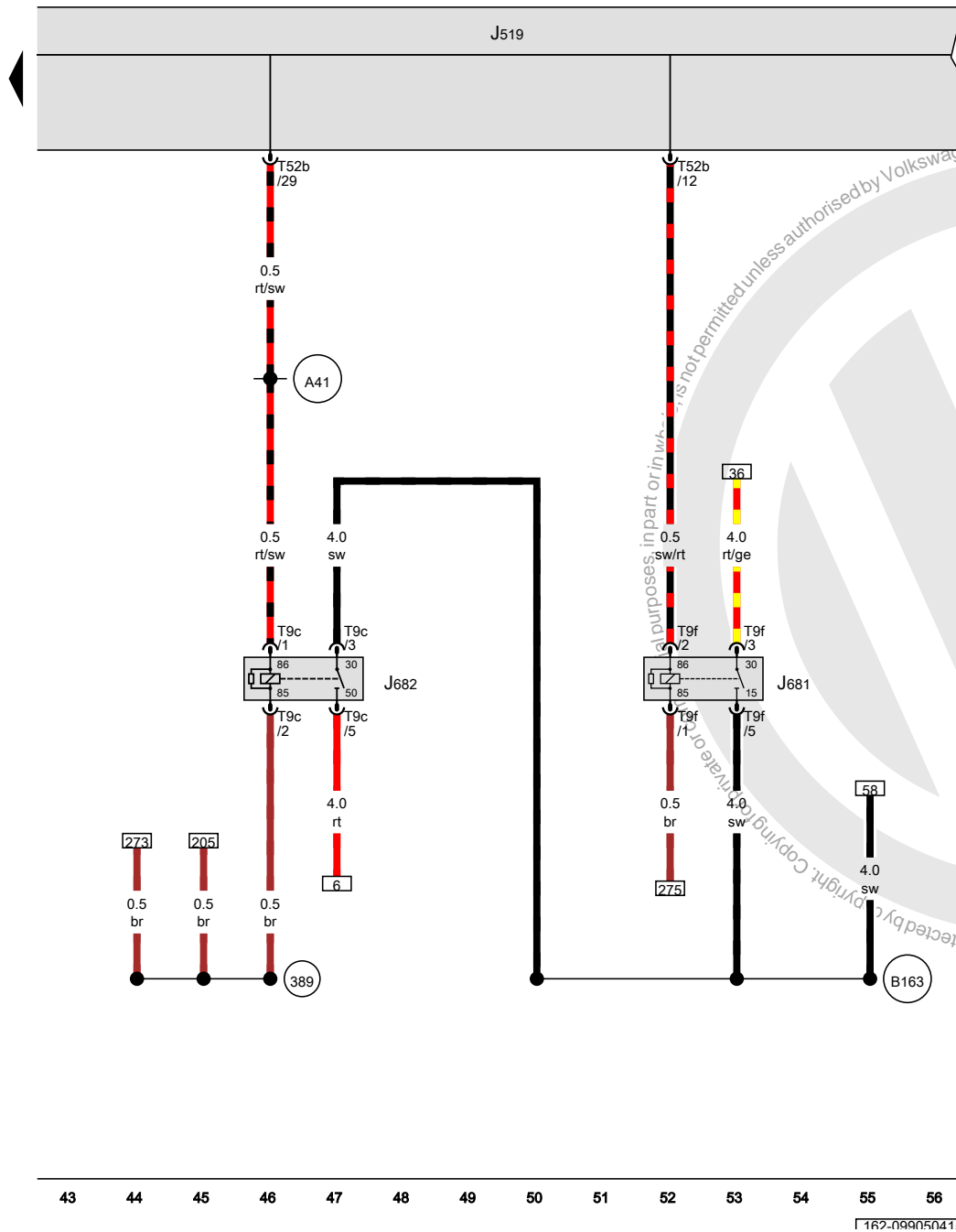


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

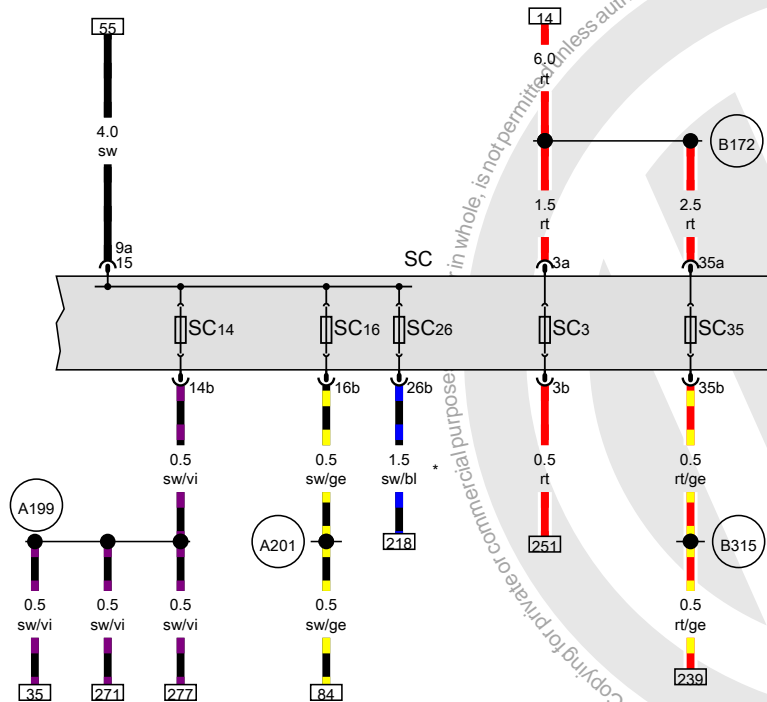
43 44 45 46 47 48 49 50 51 52 53 54 55 56

[162-099050415]

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- According to equipment



- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

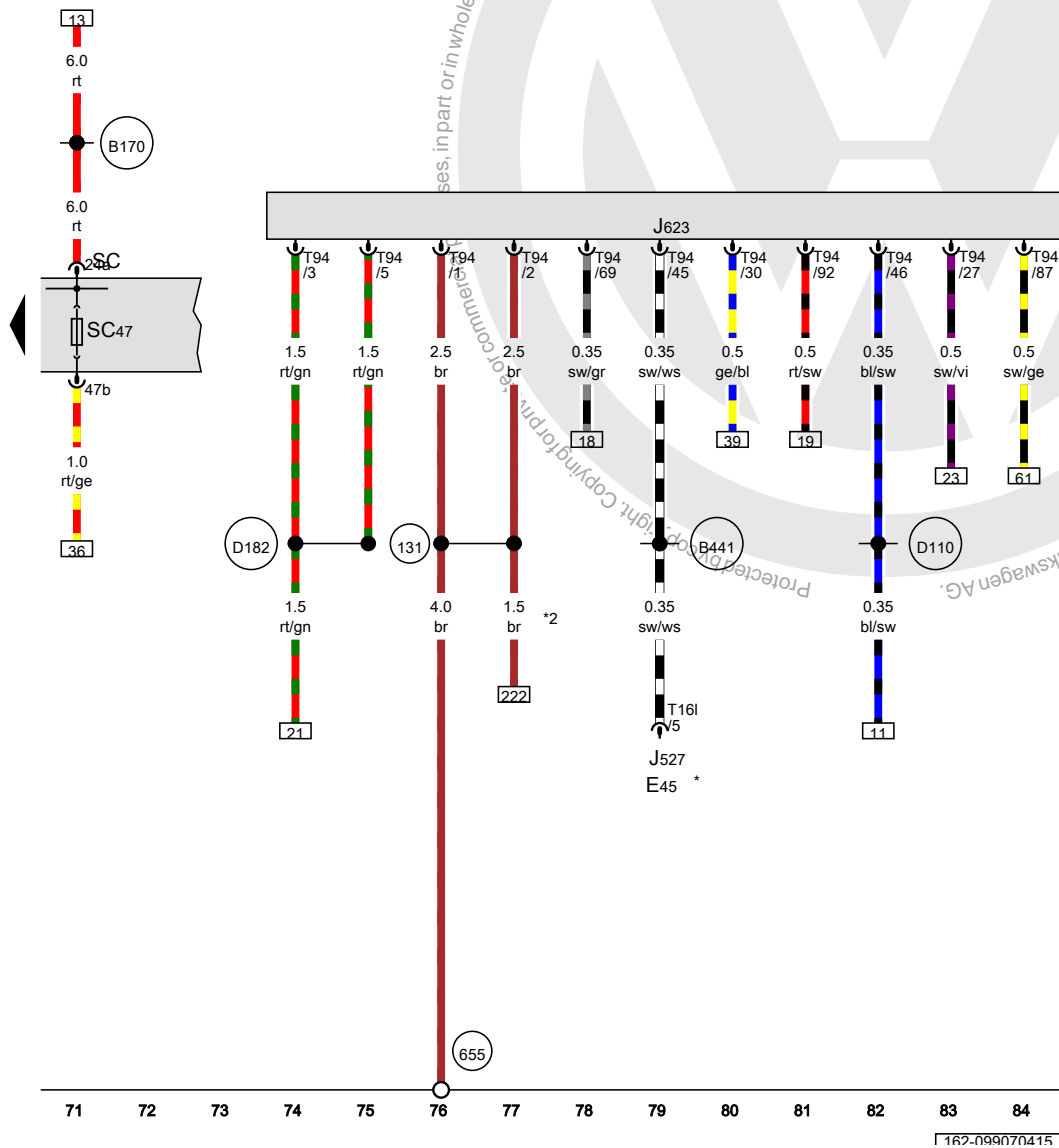
57 58 59 60 61 62 63 64 65 66 67 68 69 70

162-099060415

Engine control unit, Fuse holder C

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit, on left in engine compartment
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T161 16-pin connector
- T94 94-pin connector

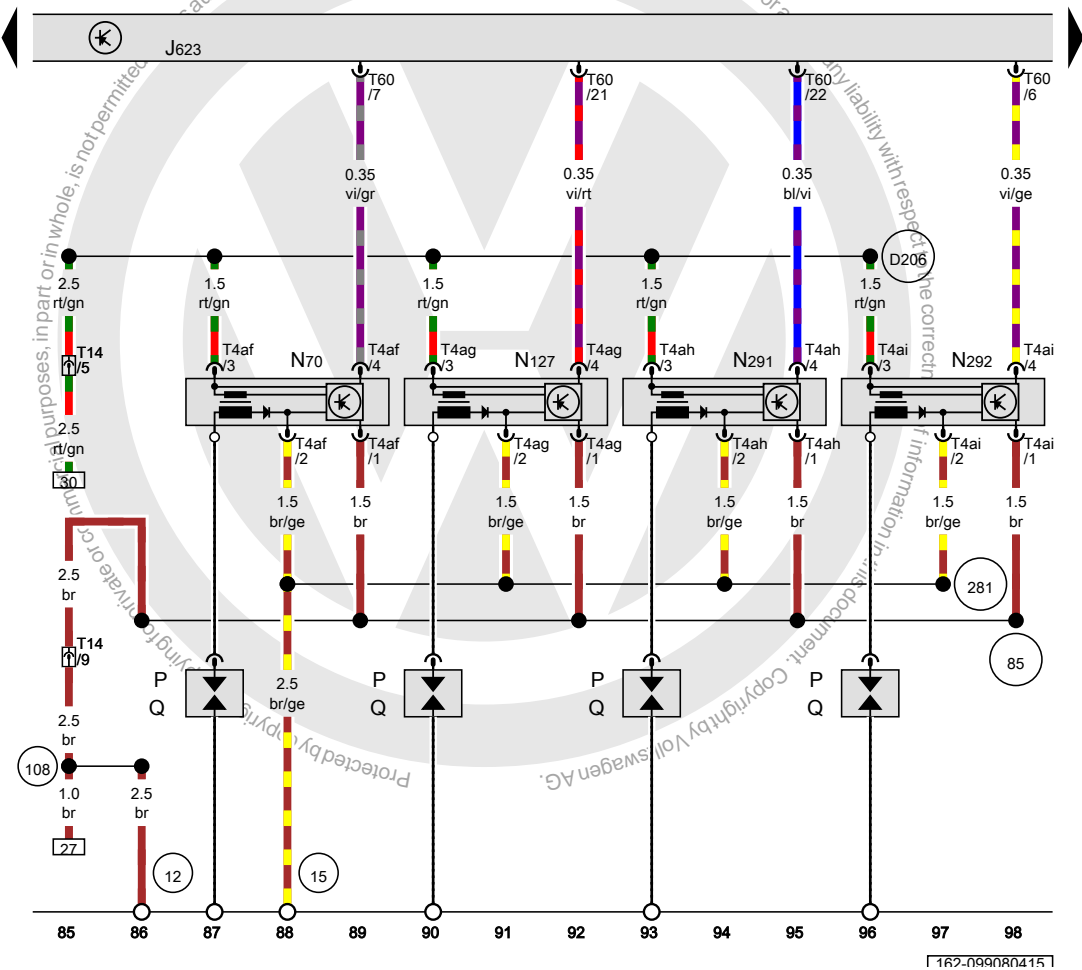
- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B170 Positive connection 2 (30), in interior wiring harness
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment



Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit, on left in engine compartment
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

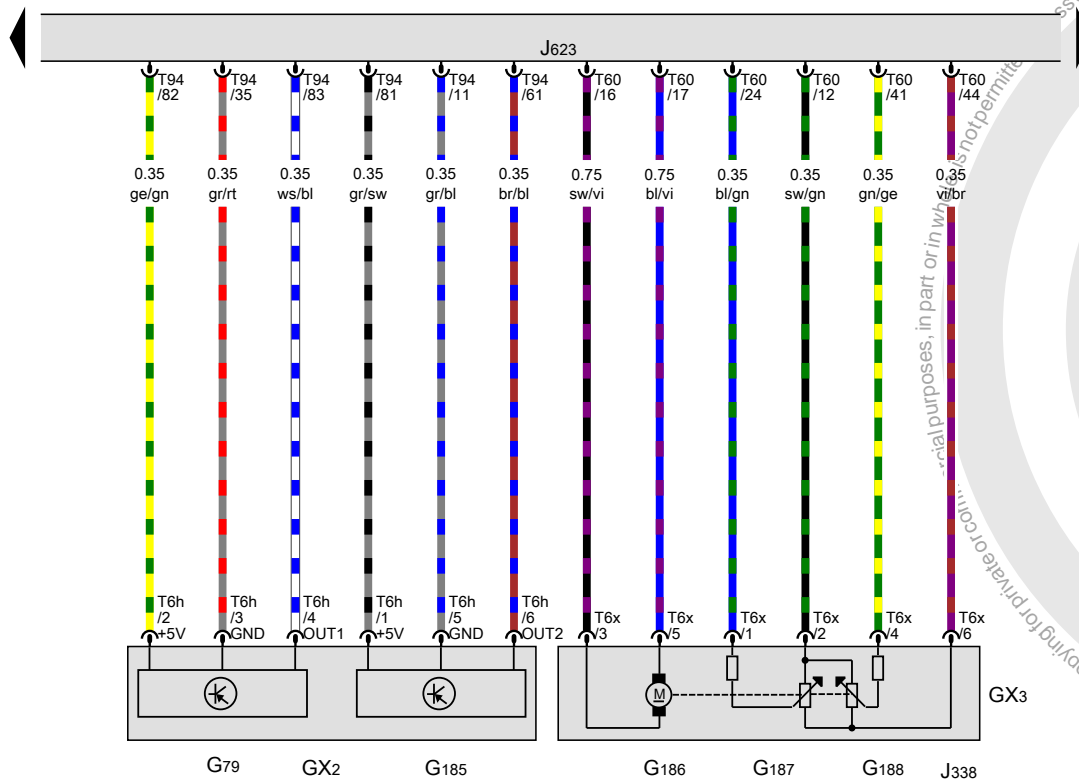


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-099080415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit, on left in engine compartment
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector

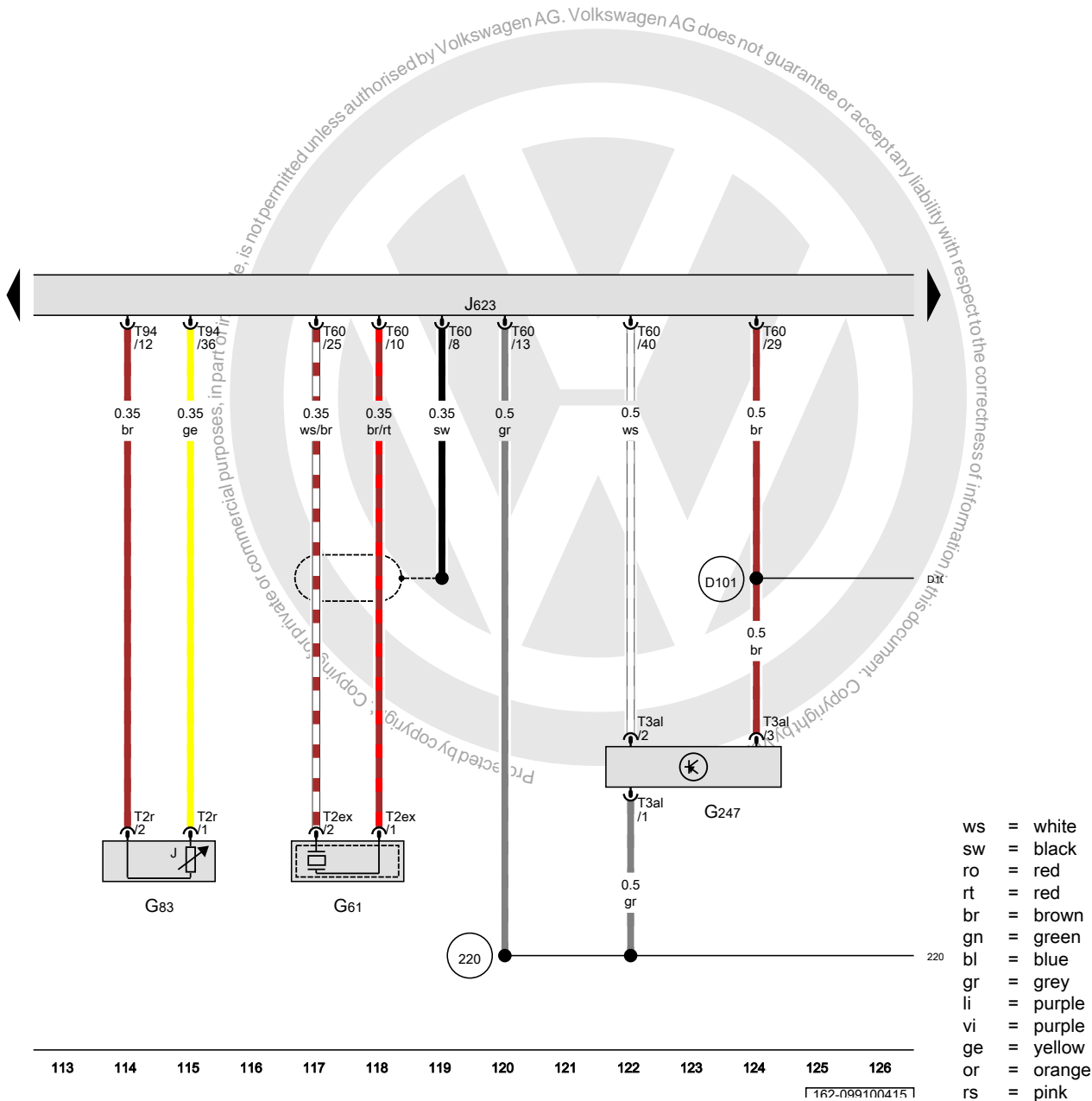


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Knock sensor 1, Radiator outlet coolant temperature sender, Fuel pressure sender, Engine control unit

- G61 Knock sensor 1
- G83 Radiator outlet coolant temperature sender
- G247 Fuel pressure sender
- J623 Engine control unit, on left in engine compartment
- T2ex 2-pin connector
- T2r 2-pin connector
- T3al 3-pin connector
- T60 60-pin connector
- T94 94-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

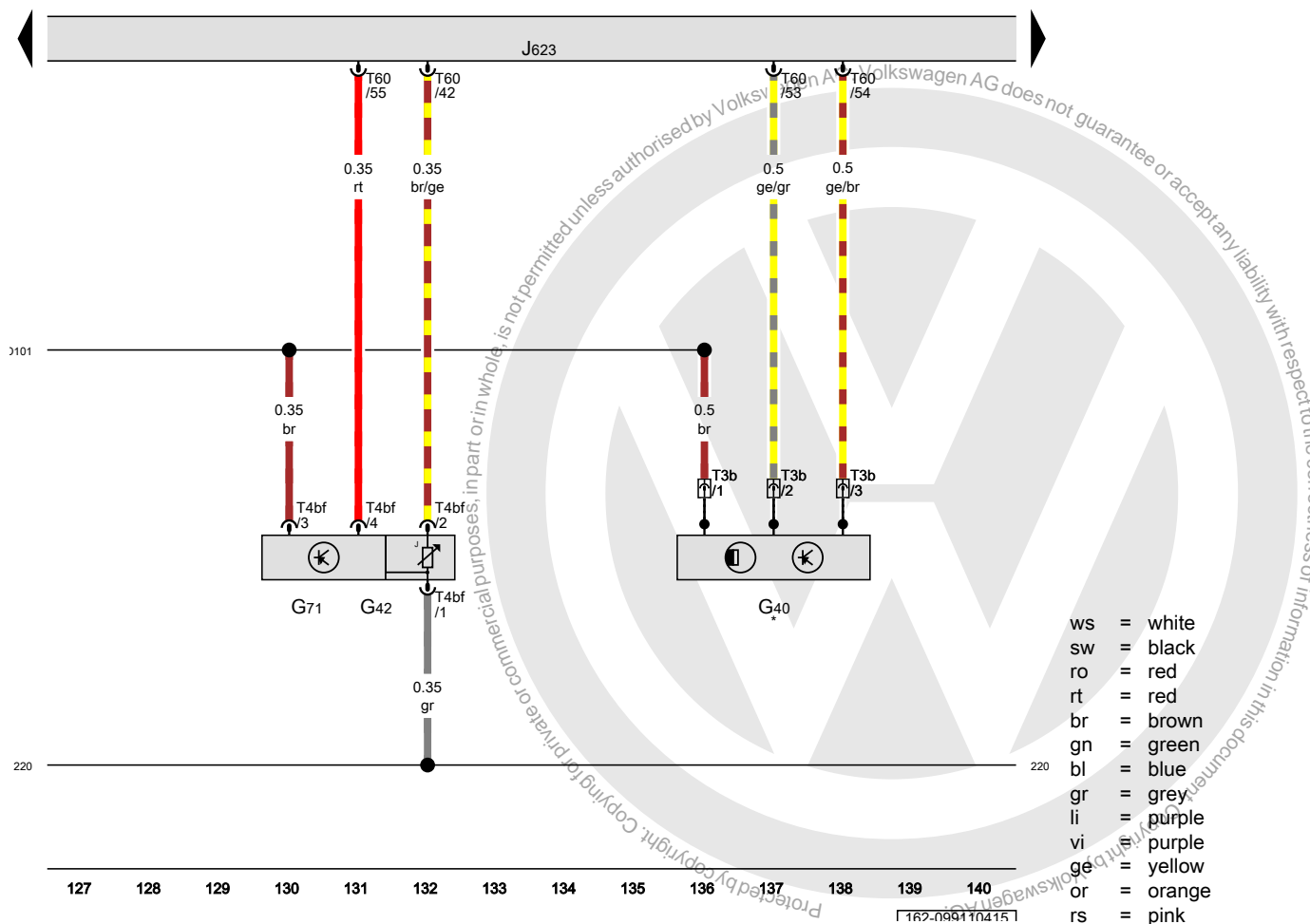
Hall sender, Intake air temperature sender, Intake manifold pressure sender, Engine control unit

- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J623 Engine control unit, on left in engine compartment
- T3b 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

* Camshaft sender - inlet valves



- ws = white
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- gn = green
- bl = blue
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- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

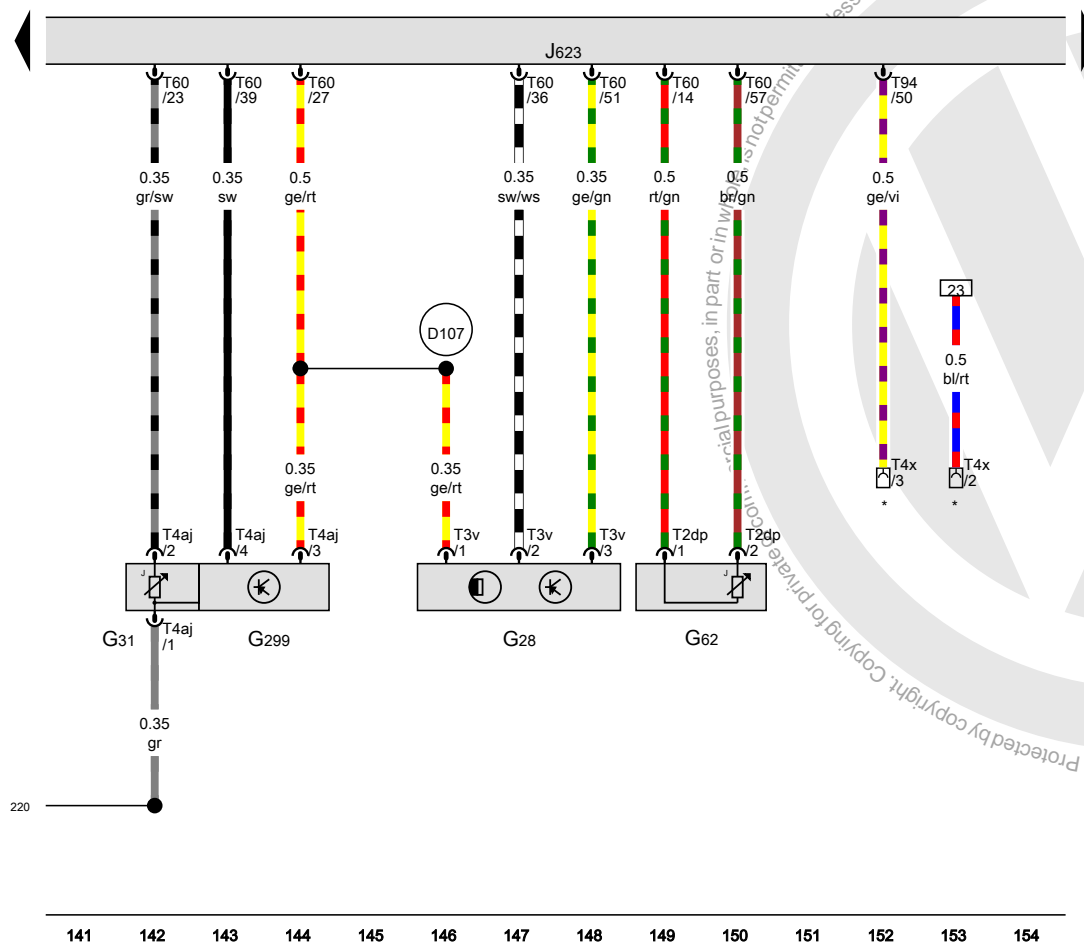
Engine speed sender, Charge pressure sender, Intake air temperature sender 2, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G62 Coolant temperature sender
- G299 Intake air temperature sender 2
- J623 Engine control unit, on left in engine compartment
- T2dp 2-pin connector
- T3v 3-pin connector
- T4aj 4-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

D107 Connection 5 in engine compartment wiring harness

* Radiator fan connection



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

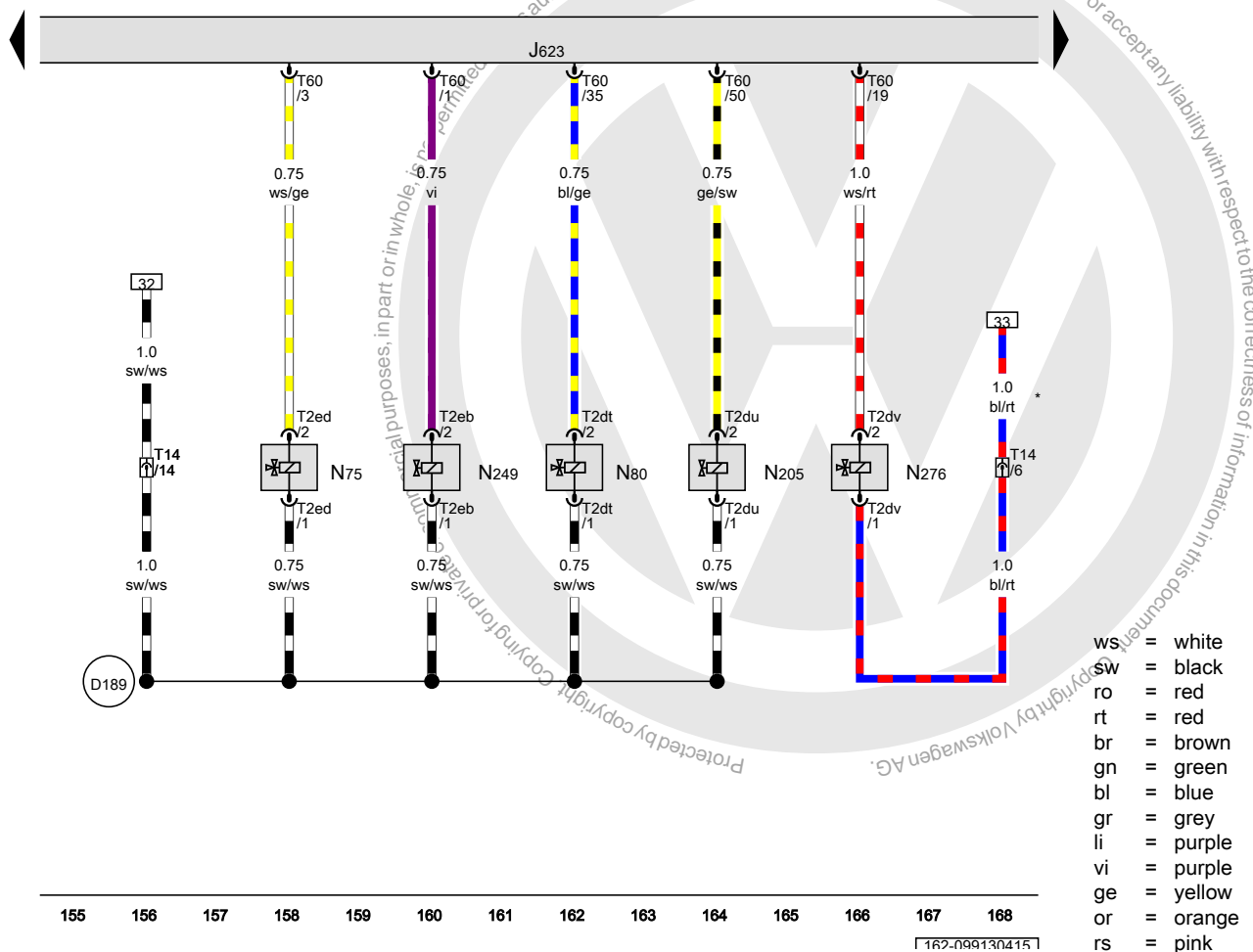
[162-099120415]

Engine control unit

- J623 Engine control unit, on left in engine compartment
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

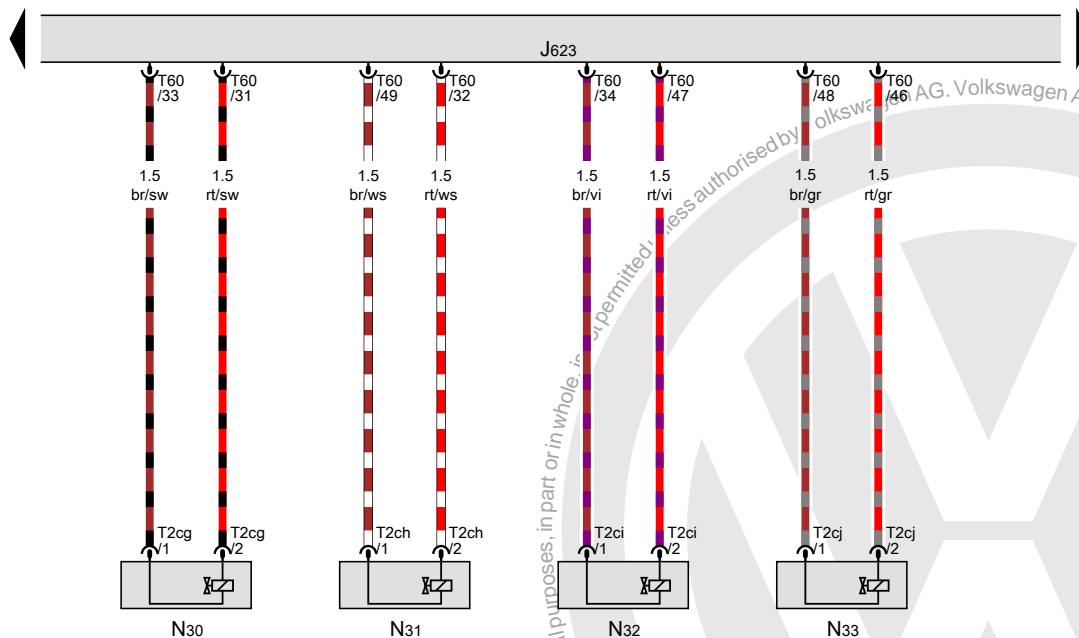
D189 Connection (87a) in engine prewiring harness

* Cross section depends on equipment



Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

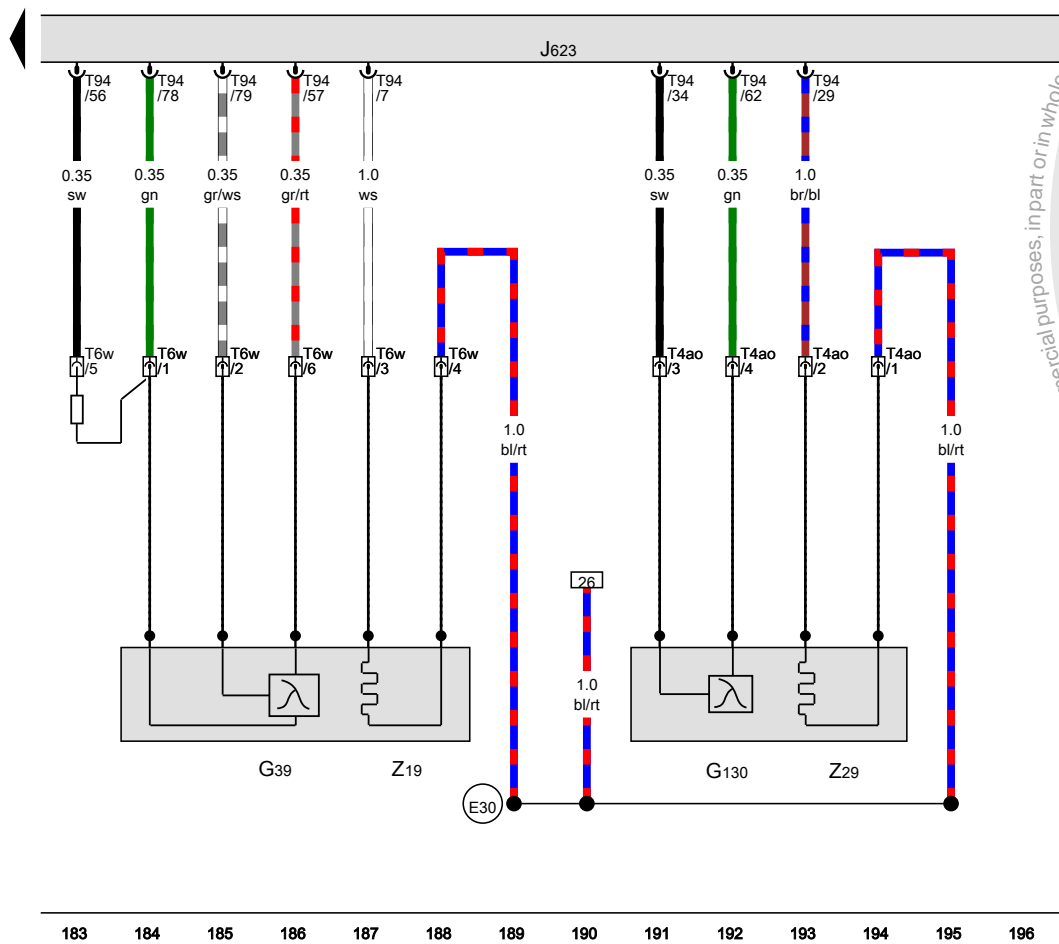
- J623 Engine control unit, on left in engine compartment
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T60 60-pin connector



- ws = white
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- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- fs = pink

Lambda probe, Lambda probe after catalytic converter, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit, on left in engine compartment
- T4ao 4-pin connector, near Lambda probe
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



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- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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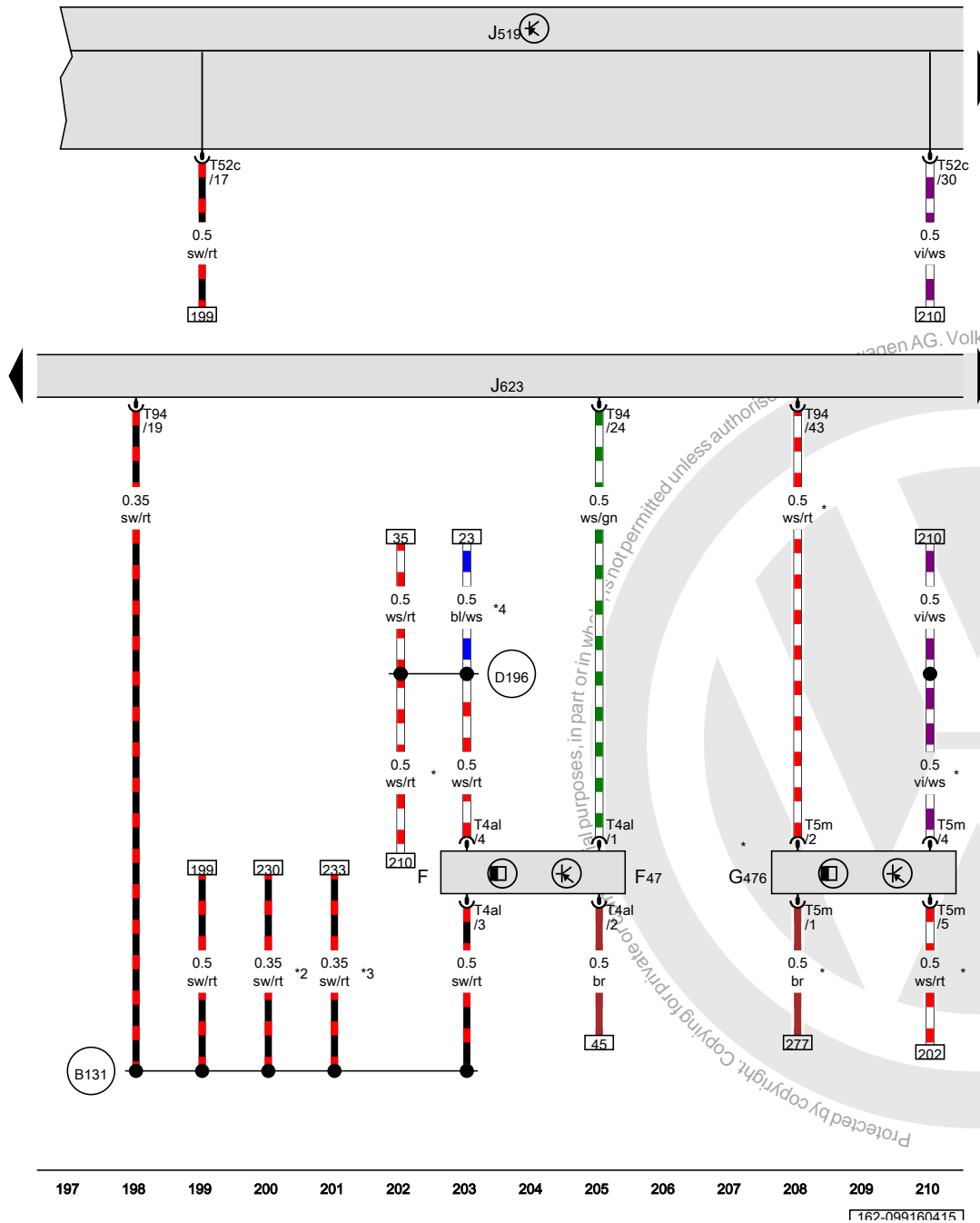
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, on left in engine compartment
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

(B131) Connection (54), in interior wiring harness

(D196) Connection 2 (87a) in engine prewiring harness

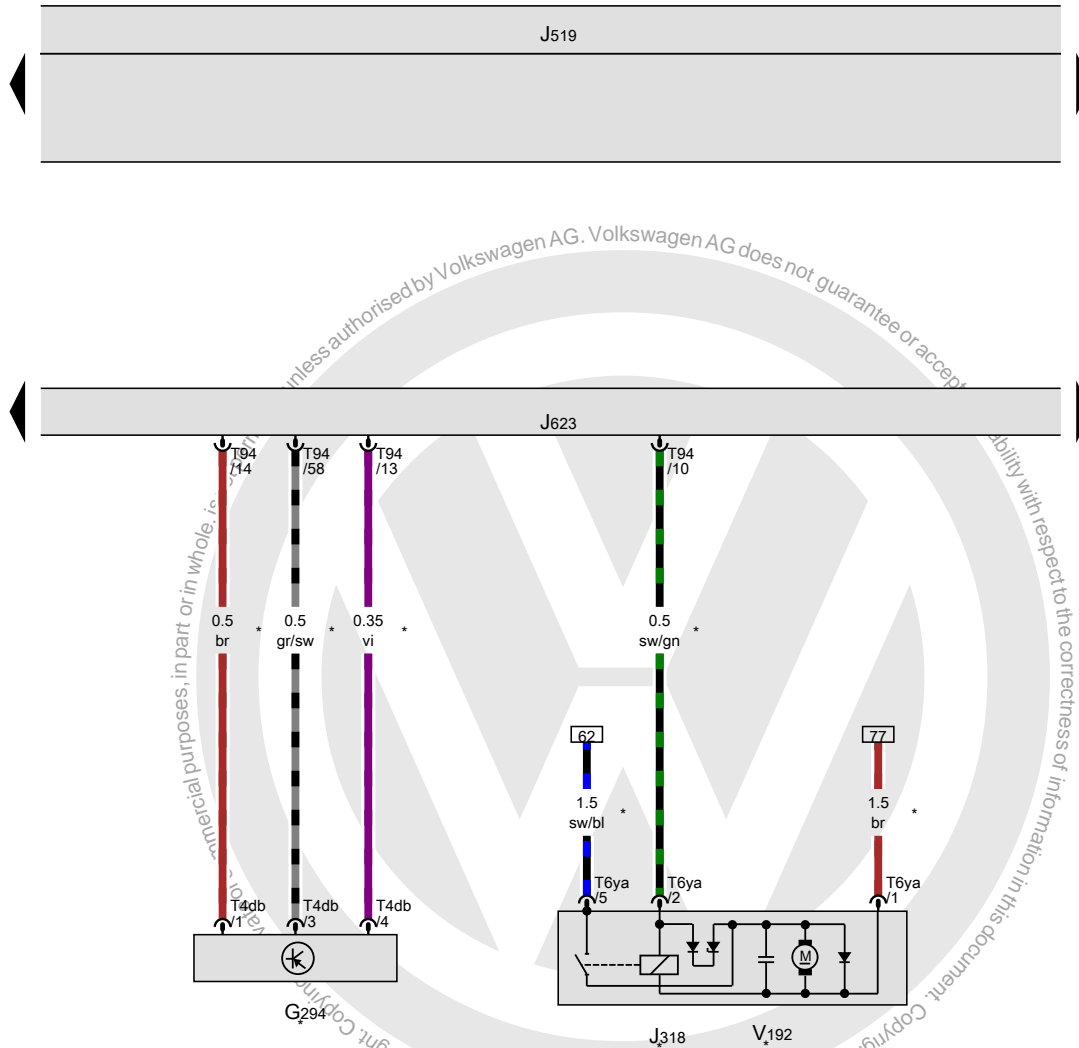
- * Only models with manual gearbox
- *2 Only models with ABS and no ESP
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
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- vi = purple
- ge = yellow
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- rs = pink

Brake servo pressure sensor, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit, on left in engine compartment
- T4db 4-pin connector
- T6ya 6-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes
- * According to equipment



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- ro = red
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- gn = green
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Engine control unit

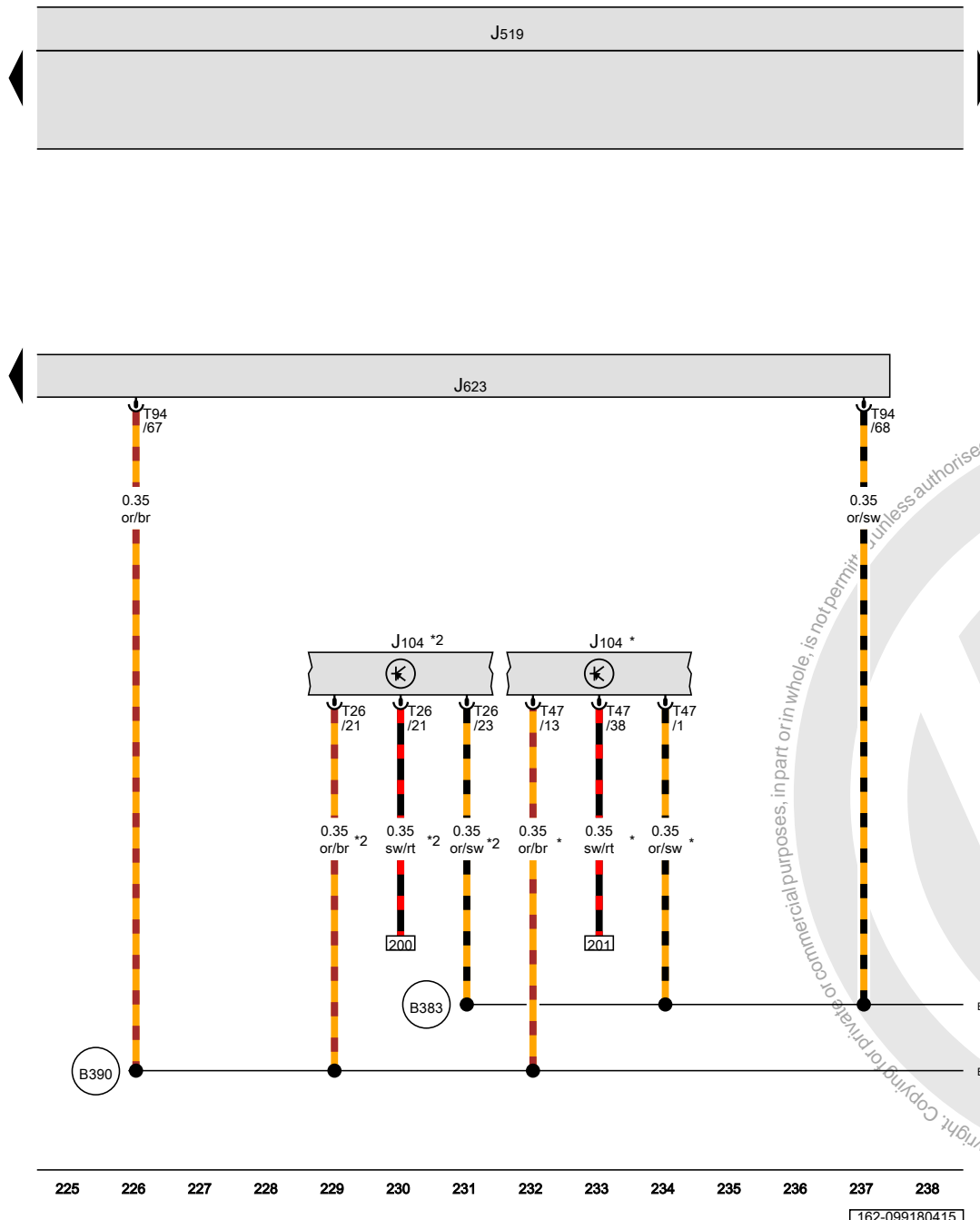
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, on left in engine compartment
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

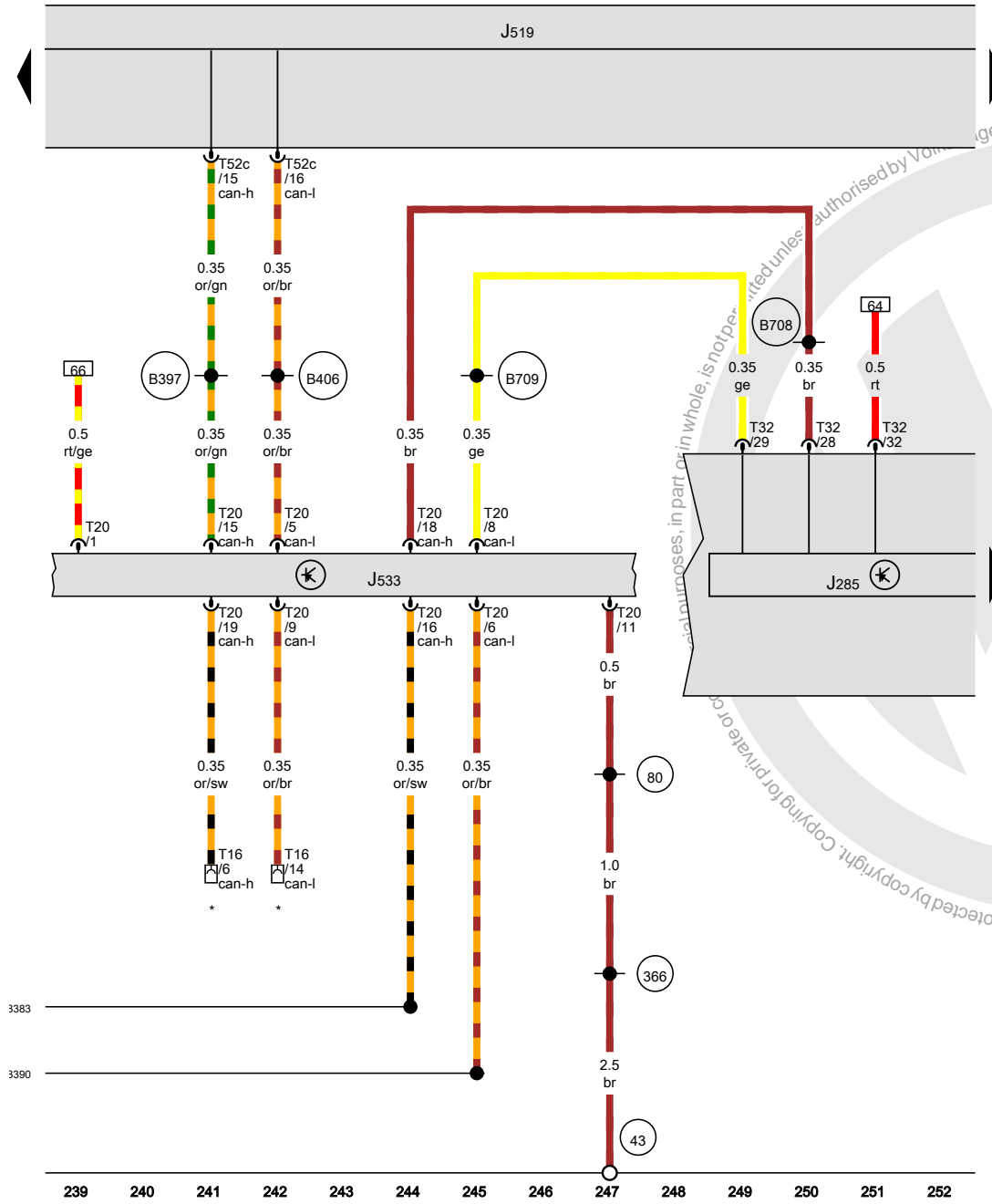
*2 Only models with ABS and no ESP



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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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162-099180415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

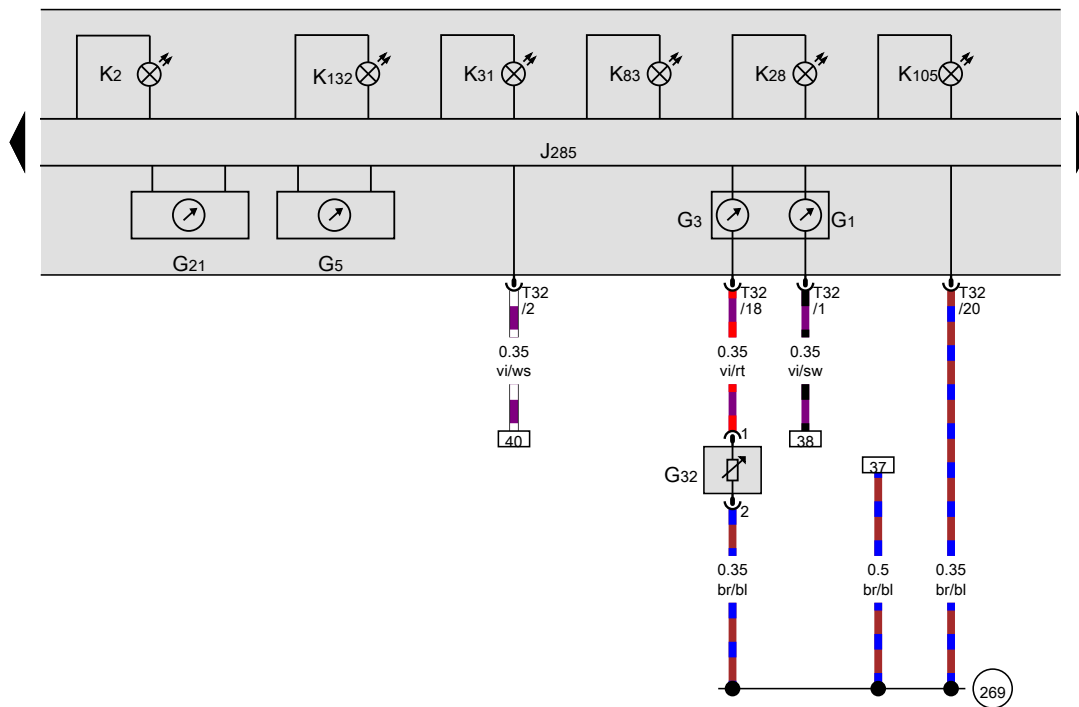
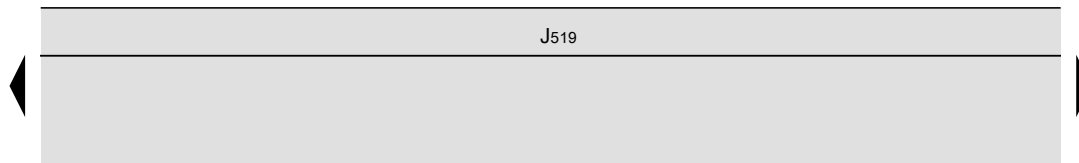
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

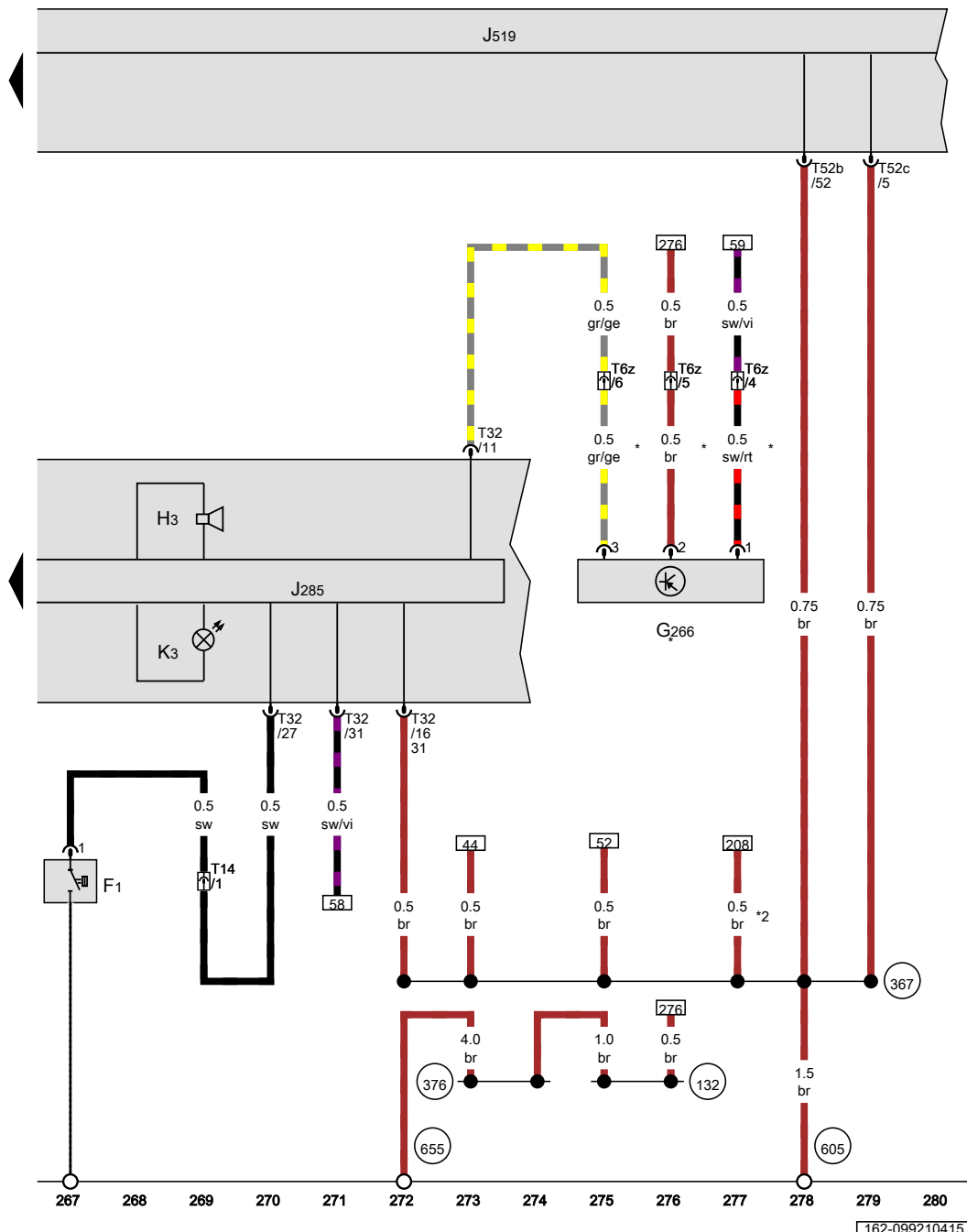
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness



- ws = white
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- br = brown
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- vi = purple
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253 254 255 256 257 258 259 260 261 262 263 264 265 266

162-099200415



Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- * Only models with flexible service interval display
- *2 Only models with manual gearbox

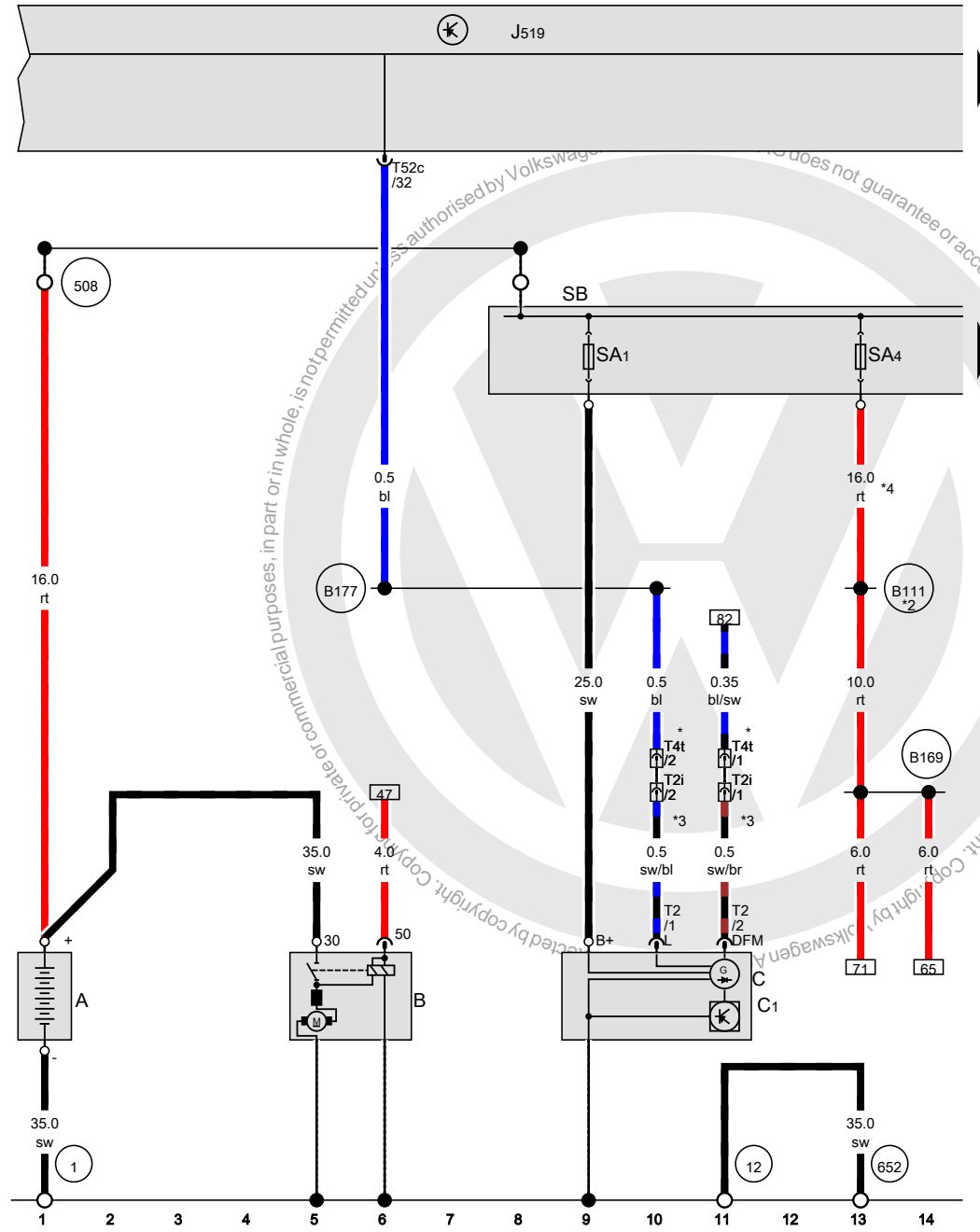
- ws = white
- ro = red
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- bl = blue
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-099210415

1.4l petrol engine , CTHA,CTHD

From September 2012





Battery, Starter, Alternator, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder B

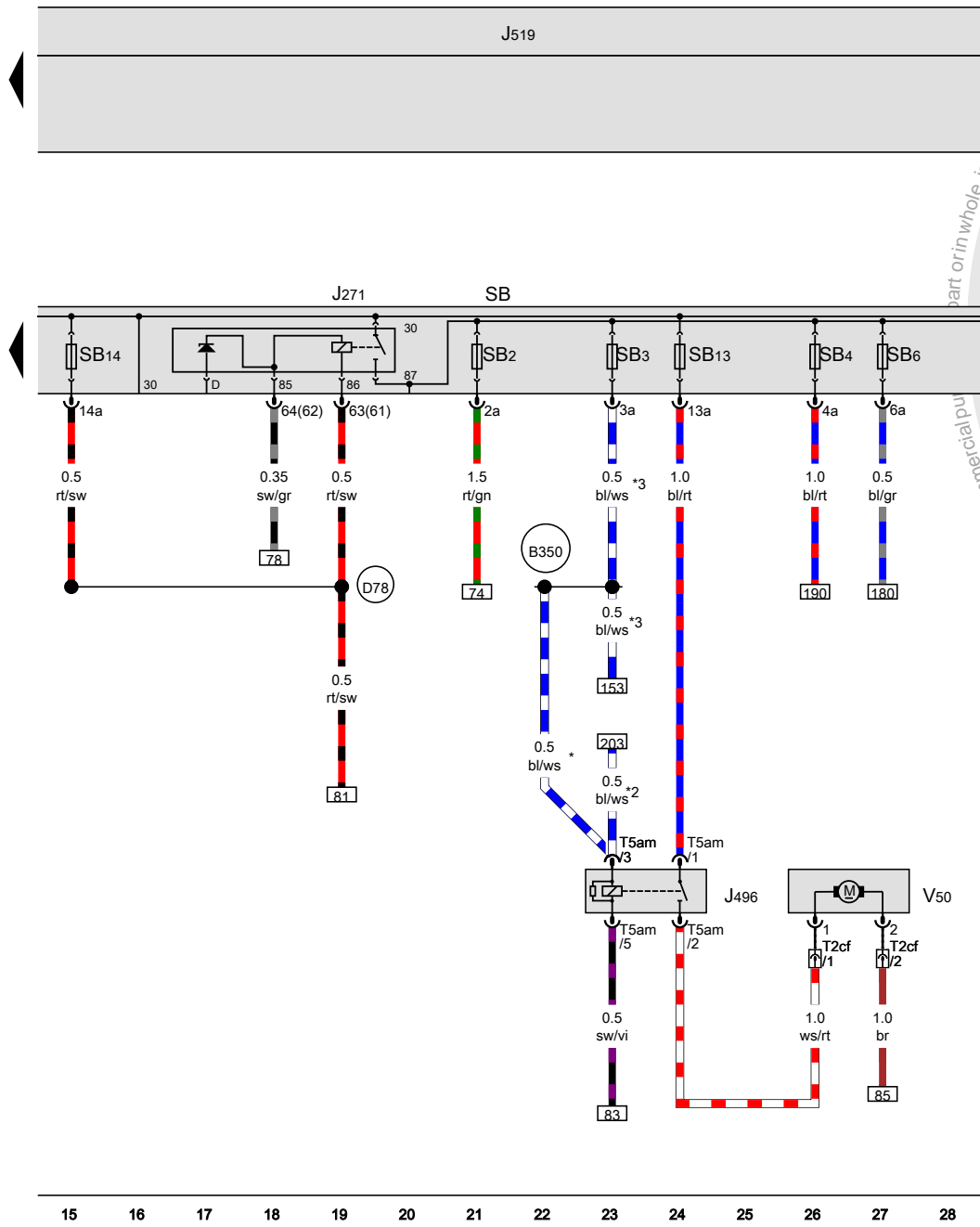
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 Cross section depends on equipment

- ws = white
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162-100020415



Main relay, Additional coolant pump relay, Onboard supply control unit, Fuse holder B, Coolant circulation pump

- J271 Main relay
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T2cf 2-pin connector
- T5am 5-pin connector
- V50 Coolant circulation pump

- (B350) Positive connection 1 (87a) in main wiring harness
- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- * gradual introduction
- *2 Gradually discontinued
- *3 Wiring colour depends on equipment

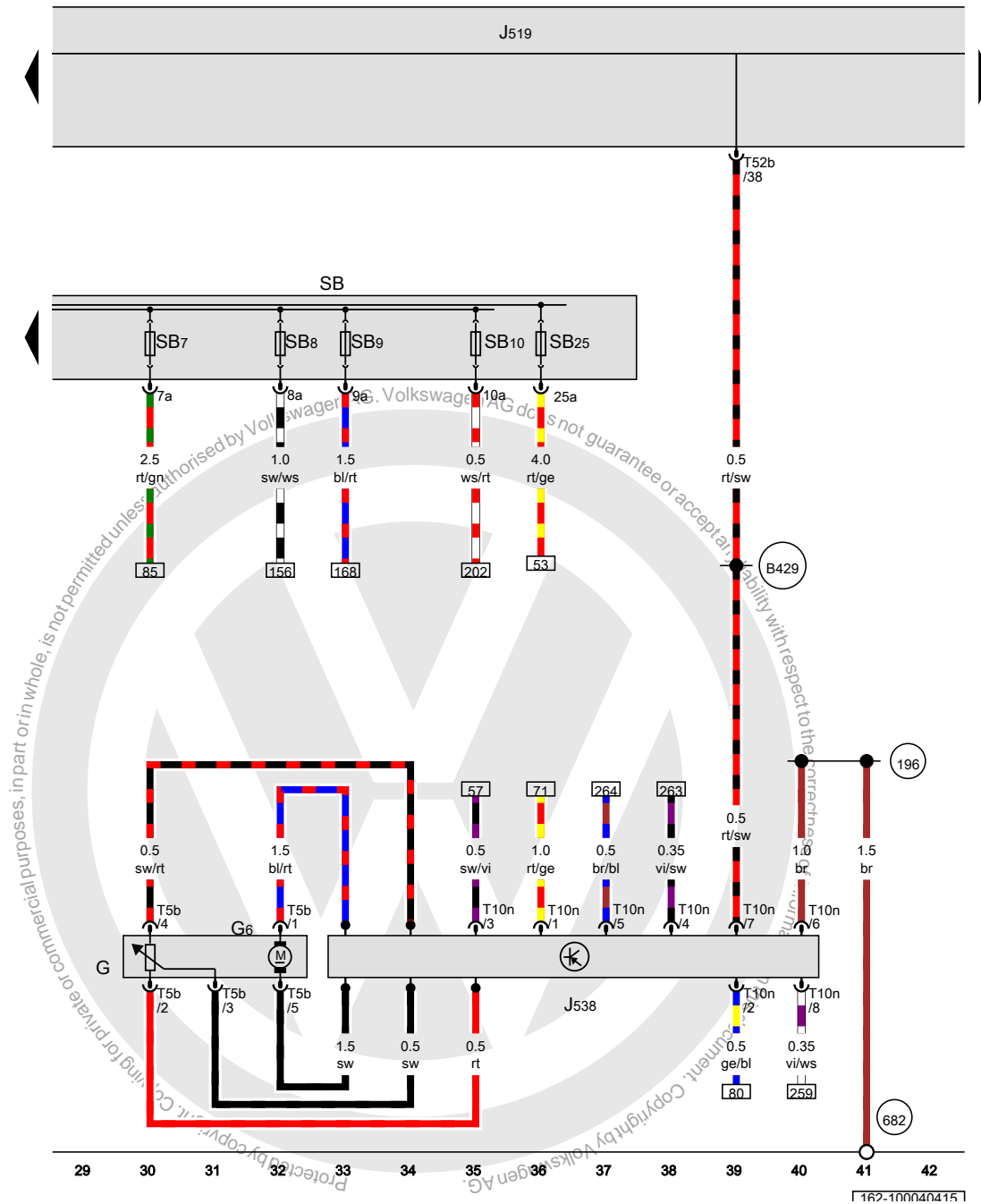
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162-100030415

Fuel gauge sender, Fuel system pressurisation pump, Onboard supply control unit, Fuel pump control unit, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B429 Connection (EFPR), in main wiring harness

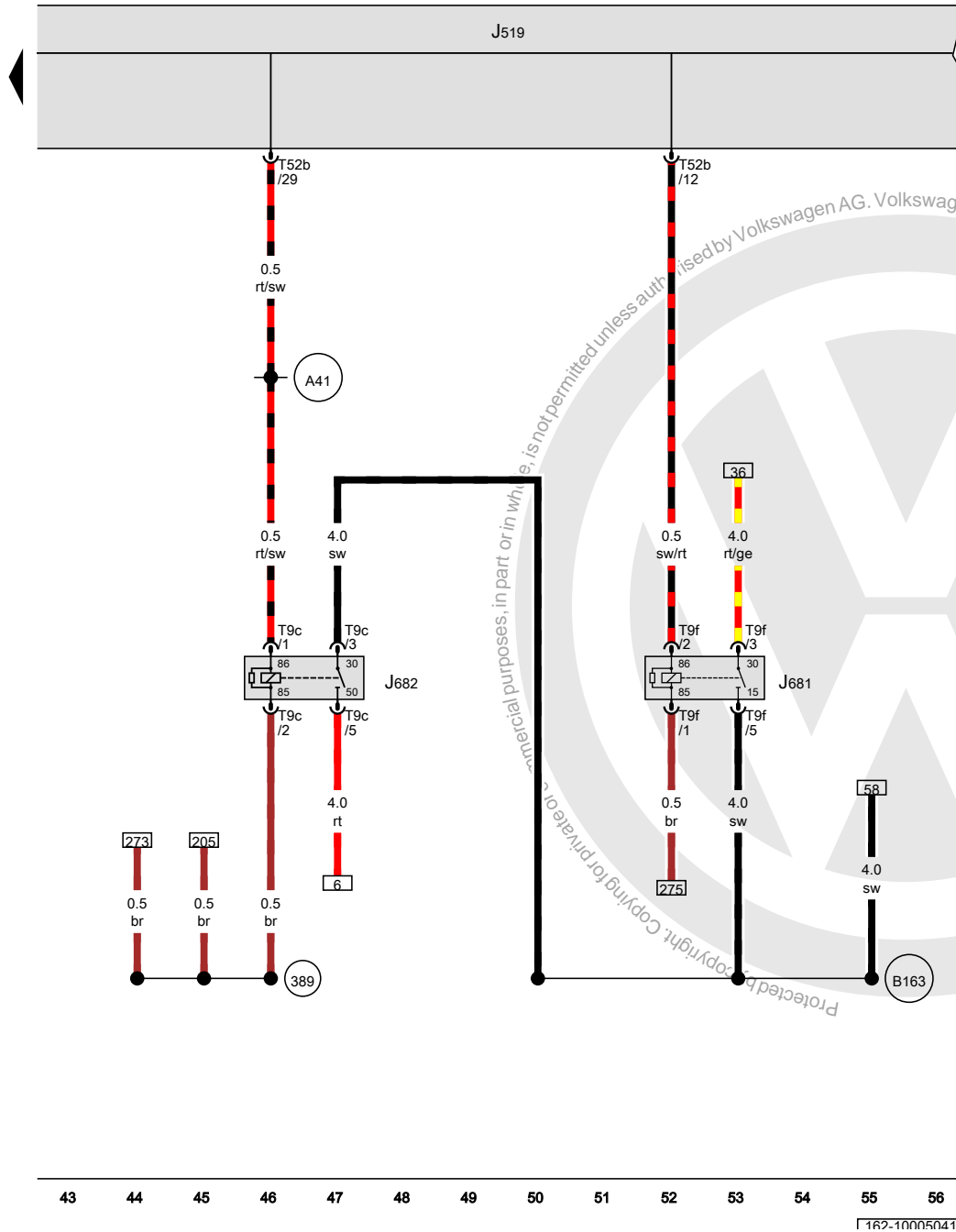


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- vi = purple
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Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness



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- vi = purple
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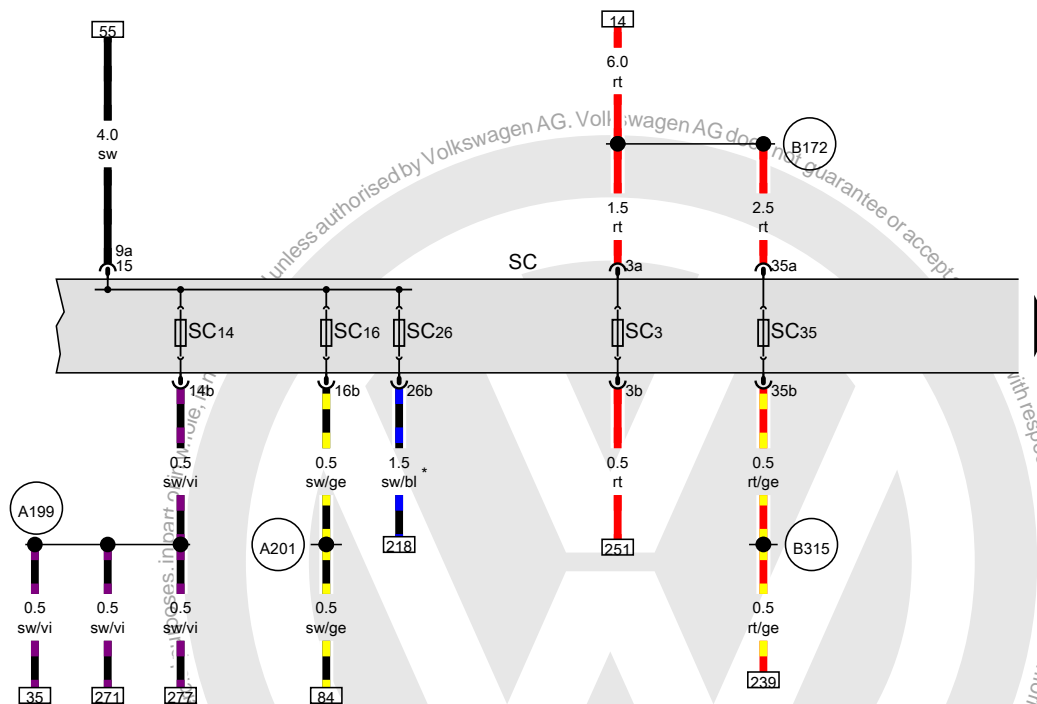
43 44 45 46 47 48 49 50 51 52 53 54 55 56

[162-100050415]

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * According to equipment

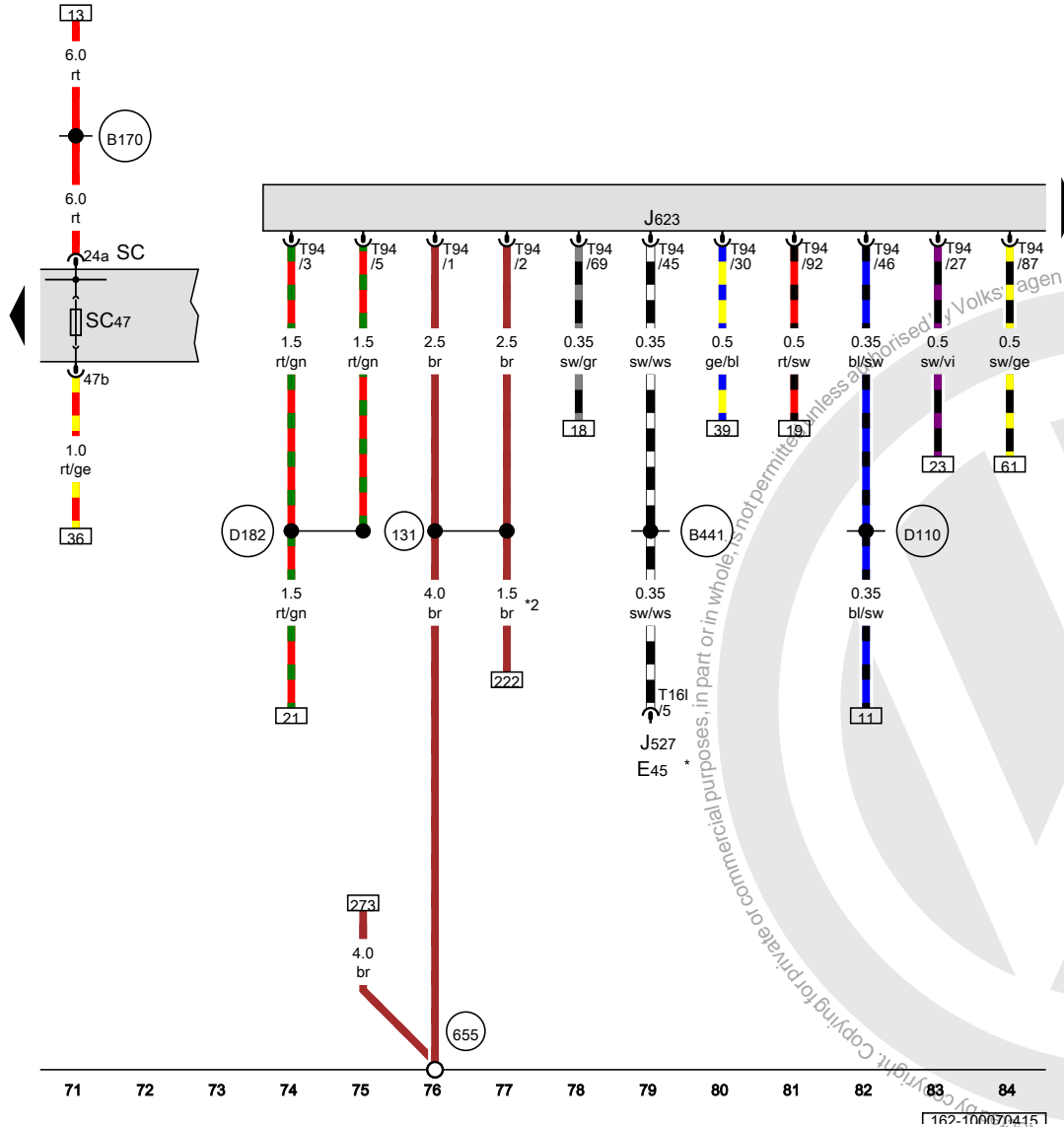


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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Engine control unit, Fuse holder C

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit, on left in engine compartment
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T161 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B170 Positive connection 2 (30), in interior wiring harness
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 According to equipment

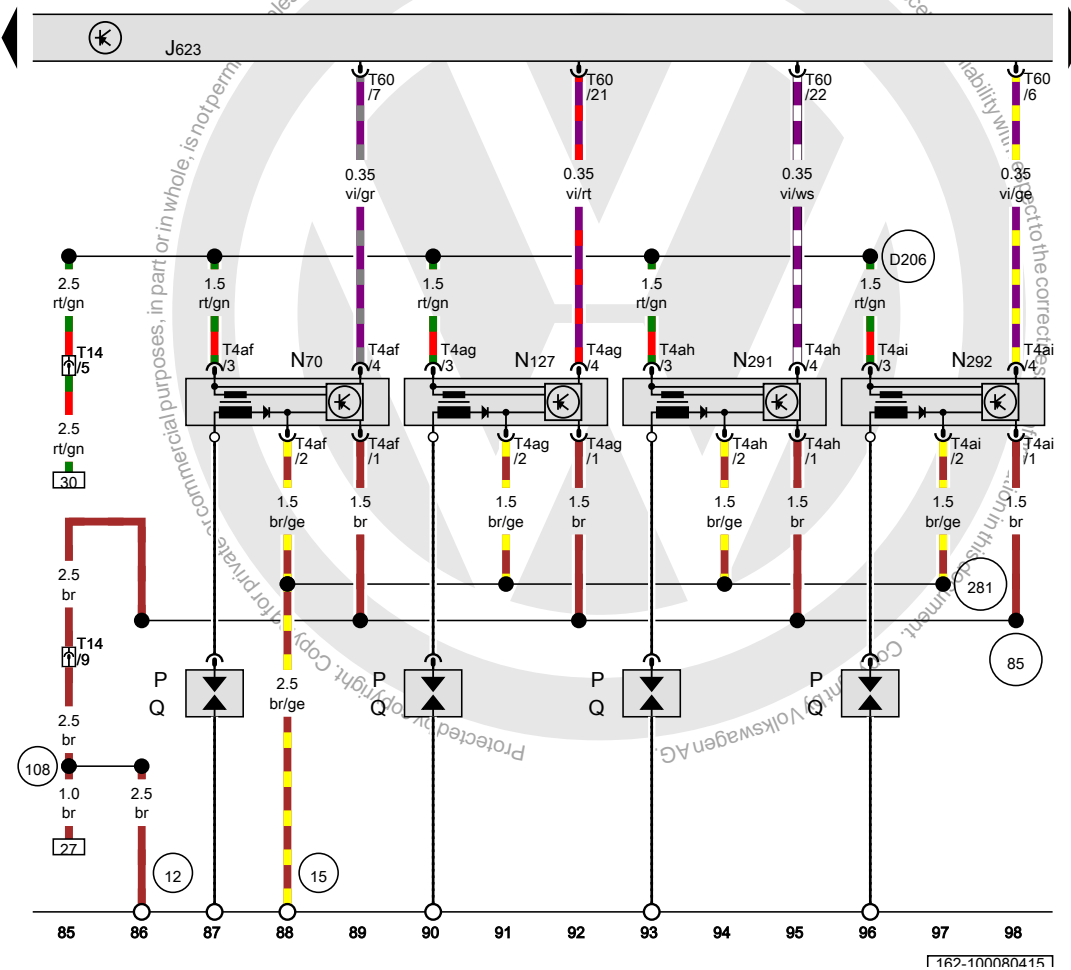


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- gr = grey
- li = purple
- vi = purple
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Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit, on left in engine compartment
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

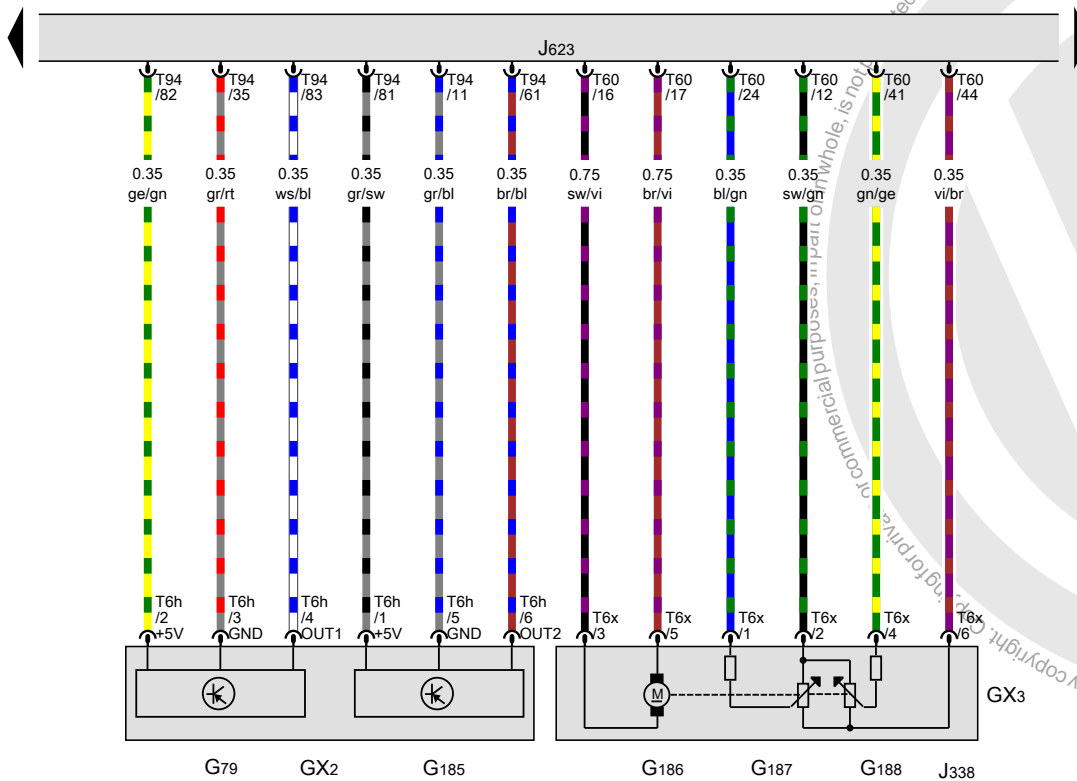


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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-100080415

Accelerator pedal module, Throttle valve module, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX3 Throttle valve module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit, on left in engine compartment
- T6h 6-pin connector
- T6x 6-pin connector
- T60 60-pin connector
- T94 94-pin connector

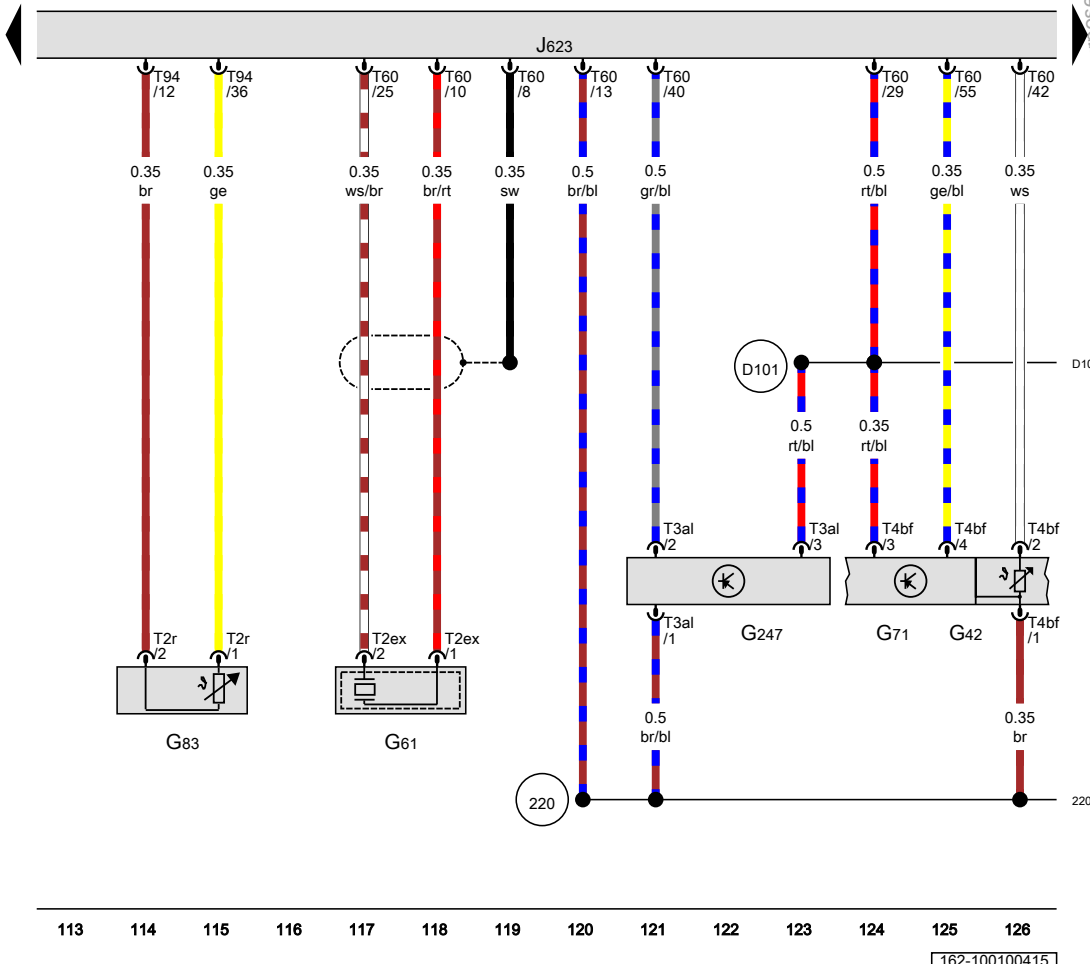


- ws = white
- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Intake air temperature sender, Knock sensor 1, Intake manifold pressure sender, Radiator outlet coolant temperature sender, Fuel pressure sender, Engine control unit

- G42 Intake air temperature sender
- G61 Knock sensor 1
- G71 Intake manifold pressure sender
- G83 Radiator outlet coolant temperature sender
- G247 Fuel pressure sender
- J623 Engine control unit, on left in engine compartment
- T2ex 2-pin connector
- T2r 2-pin connector
- T3al 3-pin connector
- T4bf 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

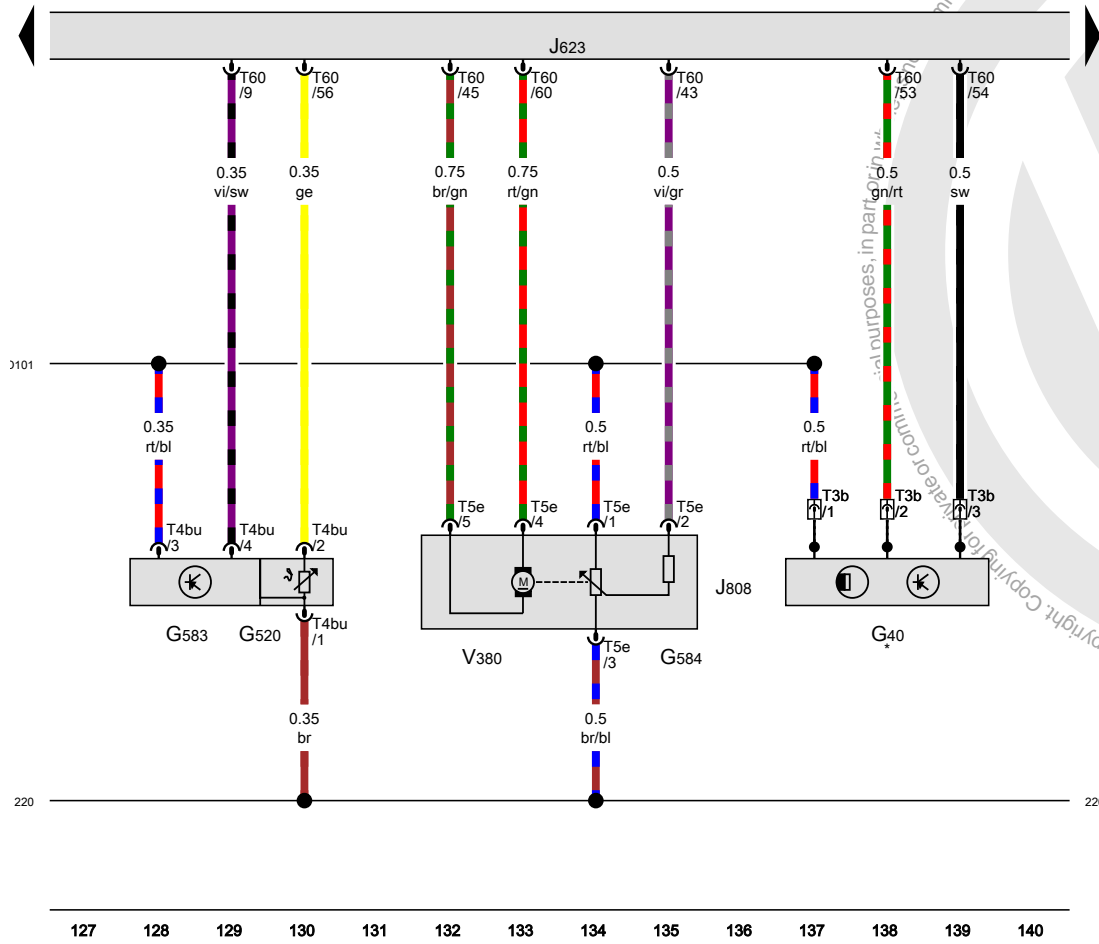


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Hall sender, Intake air temperature sender 3, Intake manifold pressure sender 3, Regulating flap potentiometer, Engine control unit, Regulating flap control unit, Regulating flap position control motor

- G40 Hall sender
- G520 Intake air temperature sender 3
- G583 Intake manifold pressure sender 3
- G584 Regulating flap potentiometer
- J623 Engine control unit, on left in engine compartment
- J808 Regulating flap control unit
- T3b 3-pin connector
- T4bu 4-pin connector
- T5e 5-pin connector
- T60 60-pin connector
- V380 Regulating flap position control motor
- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * Camshaft sender - inlet valves



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162-100110415

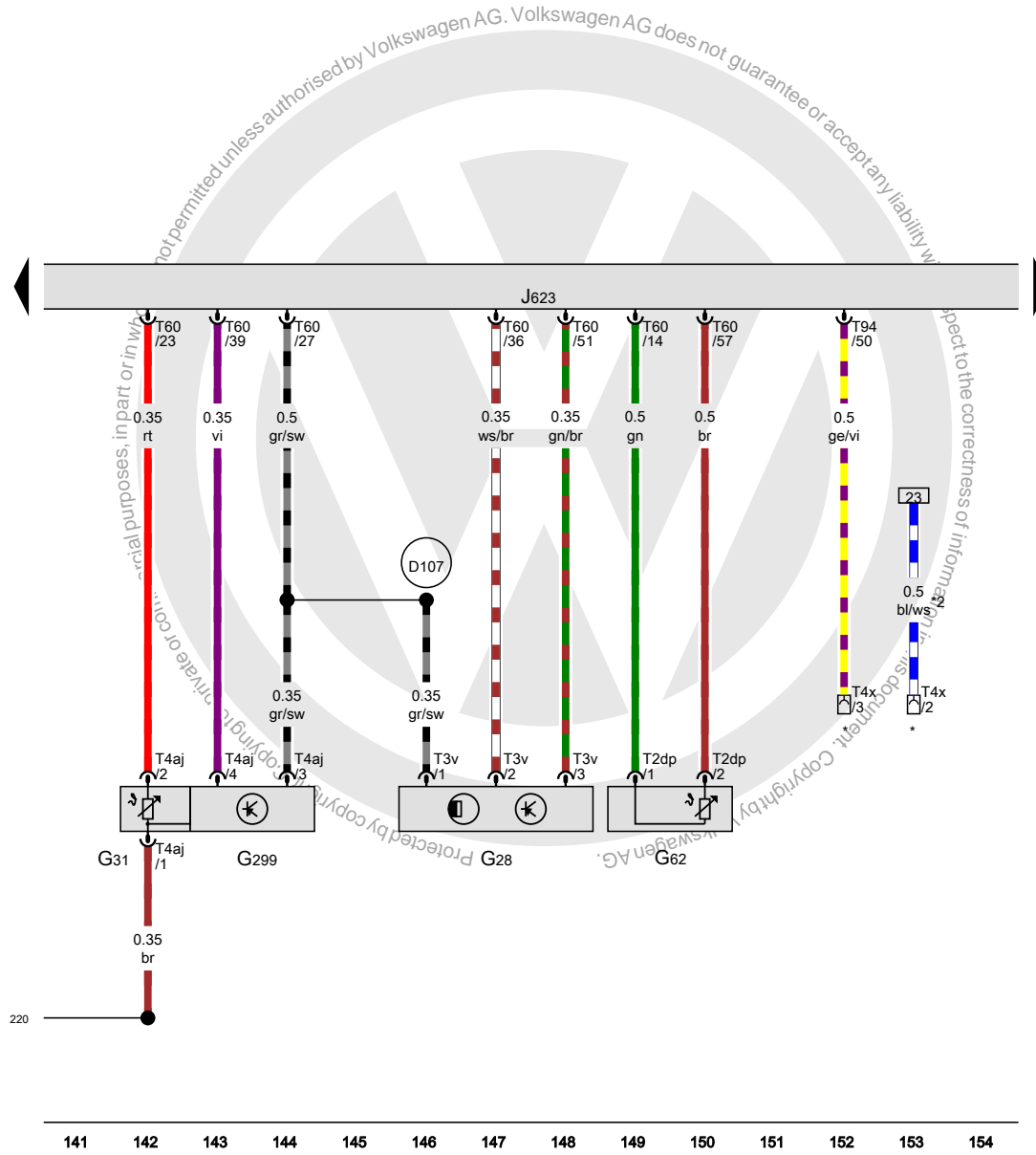
Engine speed sender, Charge pressure sender, Intake air temperature sender 2, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G62 Coolant temperature sender
- G299 Intake air temperature sender 2
- J623 Engine control unit, on left in engine compartment
- T2dp 2-pin connector
- T3v 3-pin connector
- T4aj 4-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

D107 Connection 5 in engine compartment wiring harness

- * Radiator fan connection
- *2 Wiring colour depends on equipment



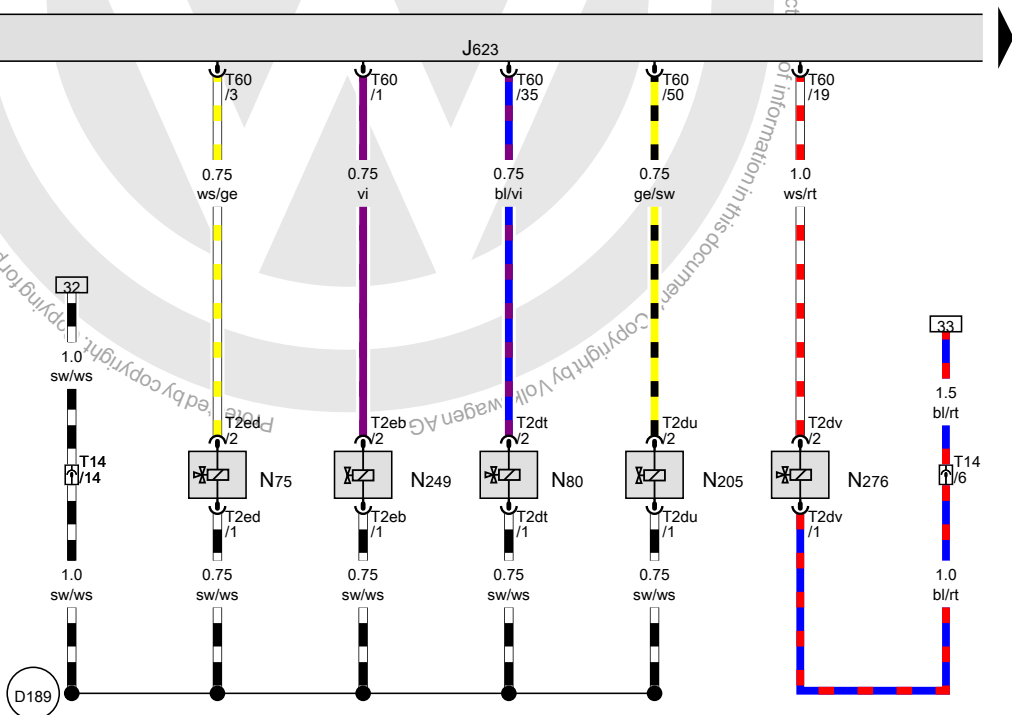
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- ro = red
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-100120415

Engine control unit

- J623 Engine control unit, on left in engine compartment
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dv 2-pin connector
- T2eb 2-pin connector
- T2ed 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

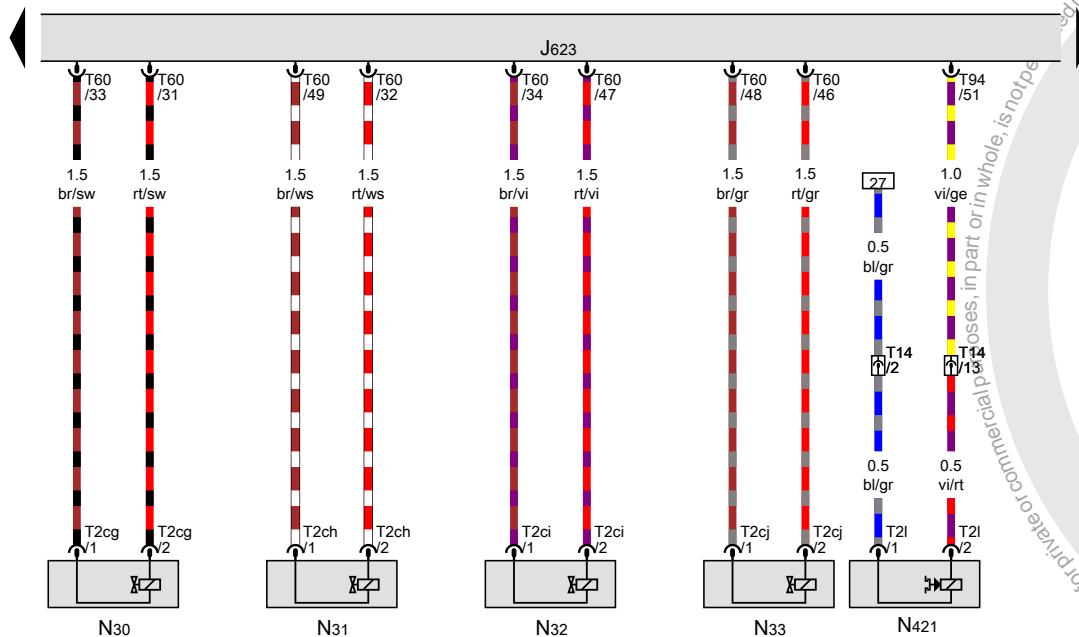
D189 Connection (87a) in engine prewiring harness



- ws = white
- sw = black
- ro = red
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Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

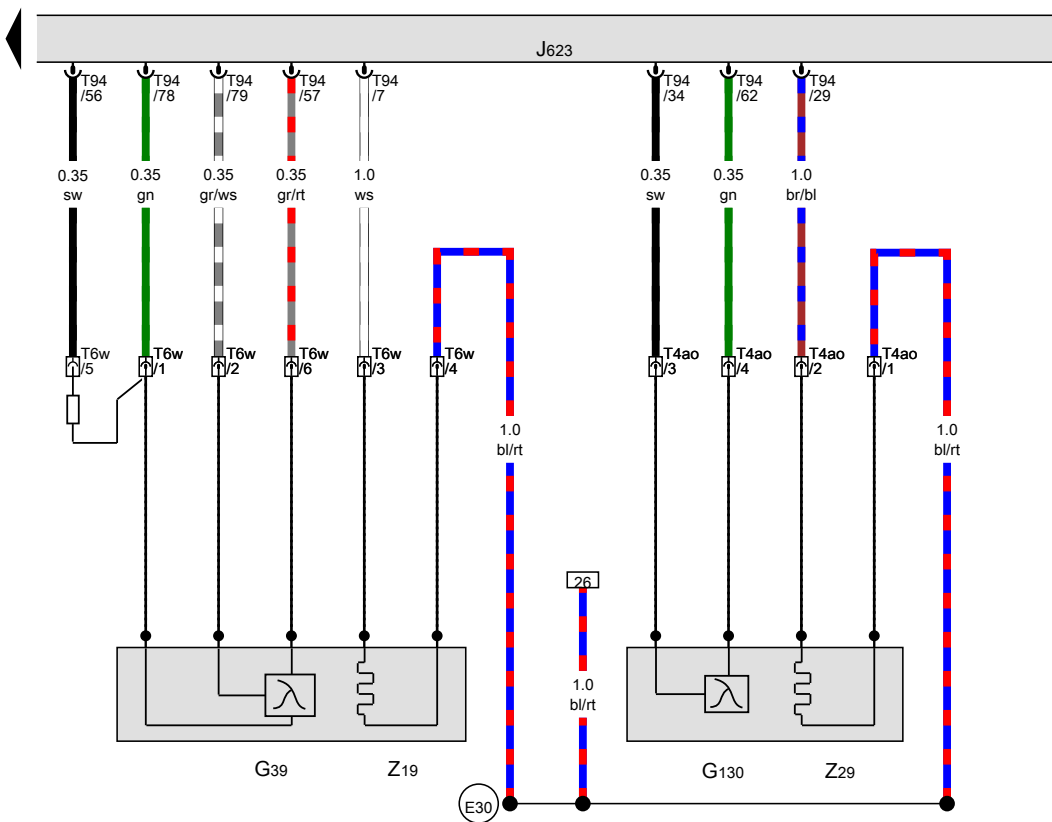
- J623 Engine control unit, on left in engine compartment
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N421 Magnetic clutch for supercharger
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2l 2-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector



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- rs = pink

Lambda probe, Lambda probe after catalytic converter, Engine control unit

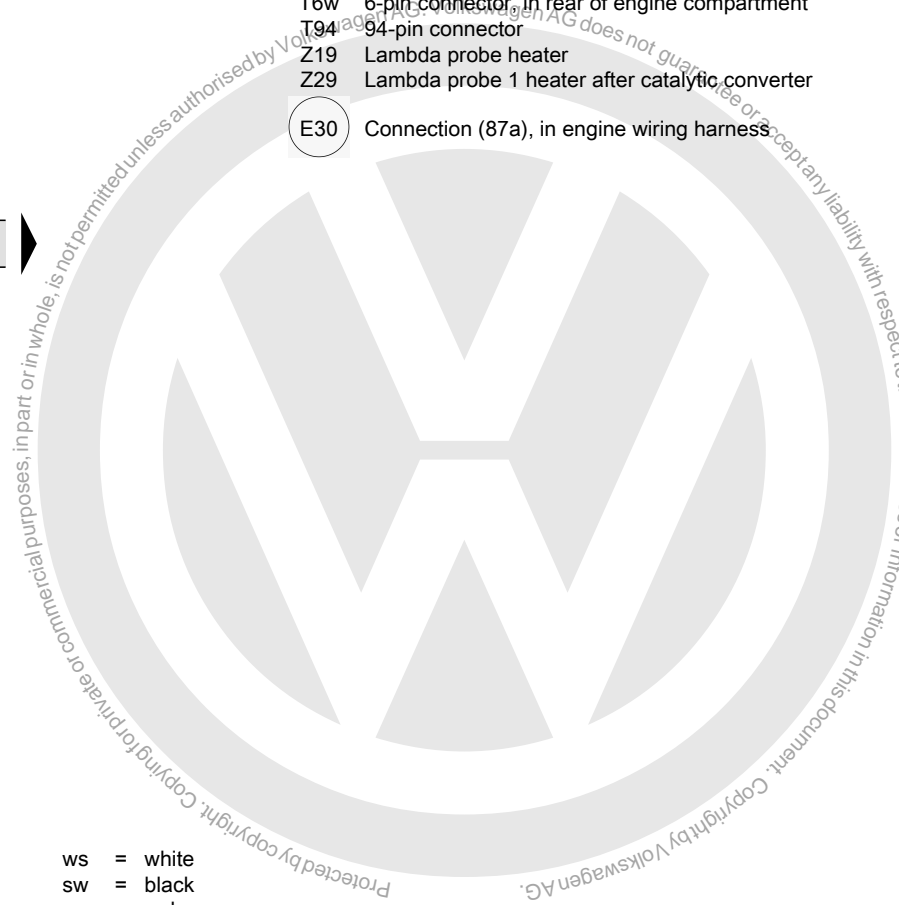
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit, on left in engine compartment
- T4ao 4-pin connector, near Lambda probe
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-100150415]



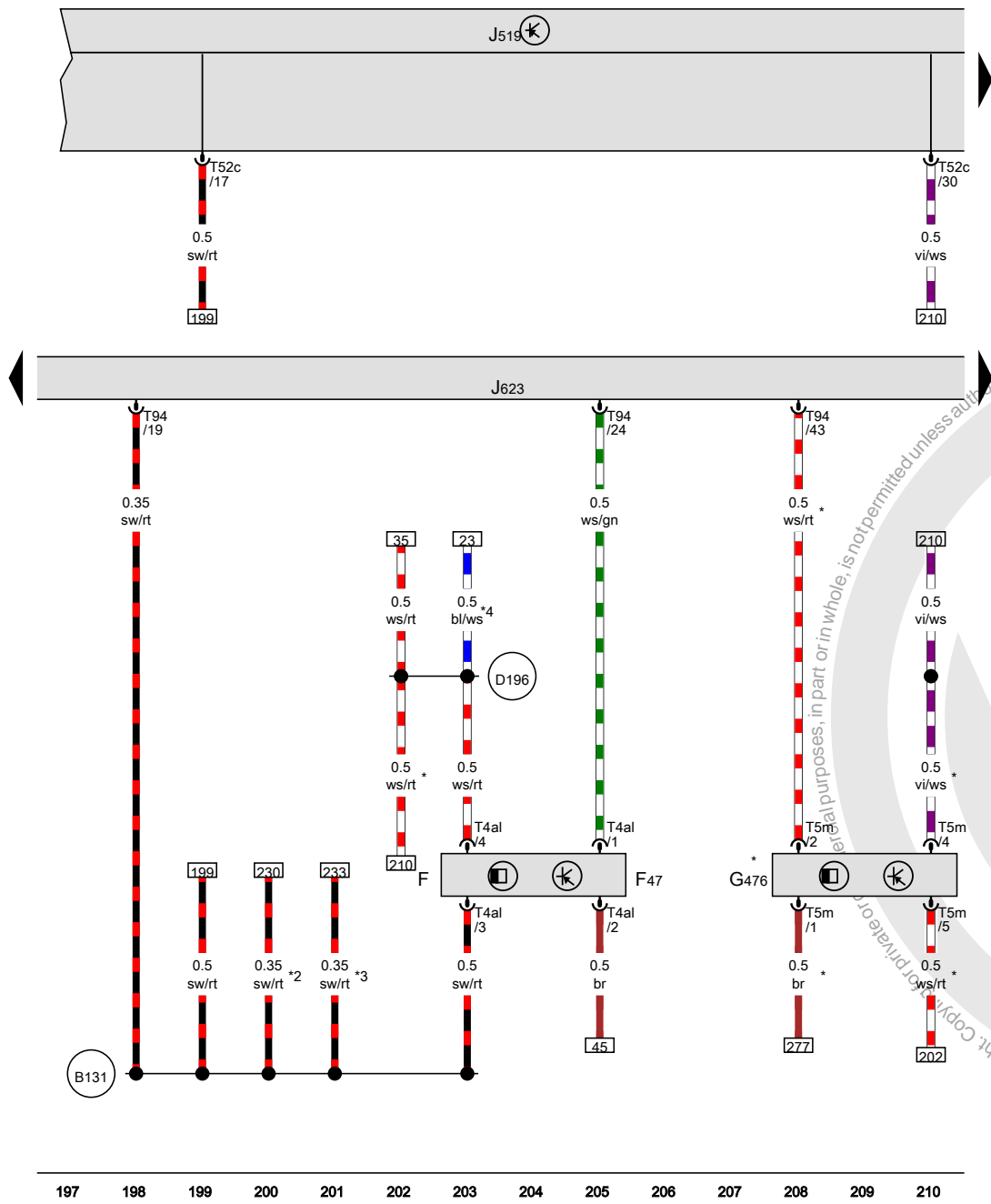
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, on left in engine compartment
- T4al 4-pin connector
- T5m 5-pin connector
- T52c 52-pin connector
- T94 94-pin connector

B131 Connection (54), in interior wiring harness

D196 Connection 2 (87a) in engine prewiring harness

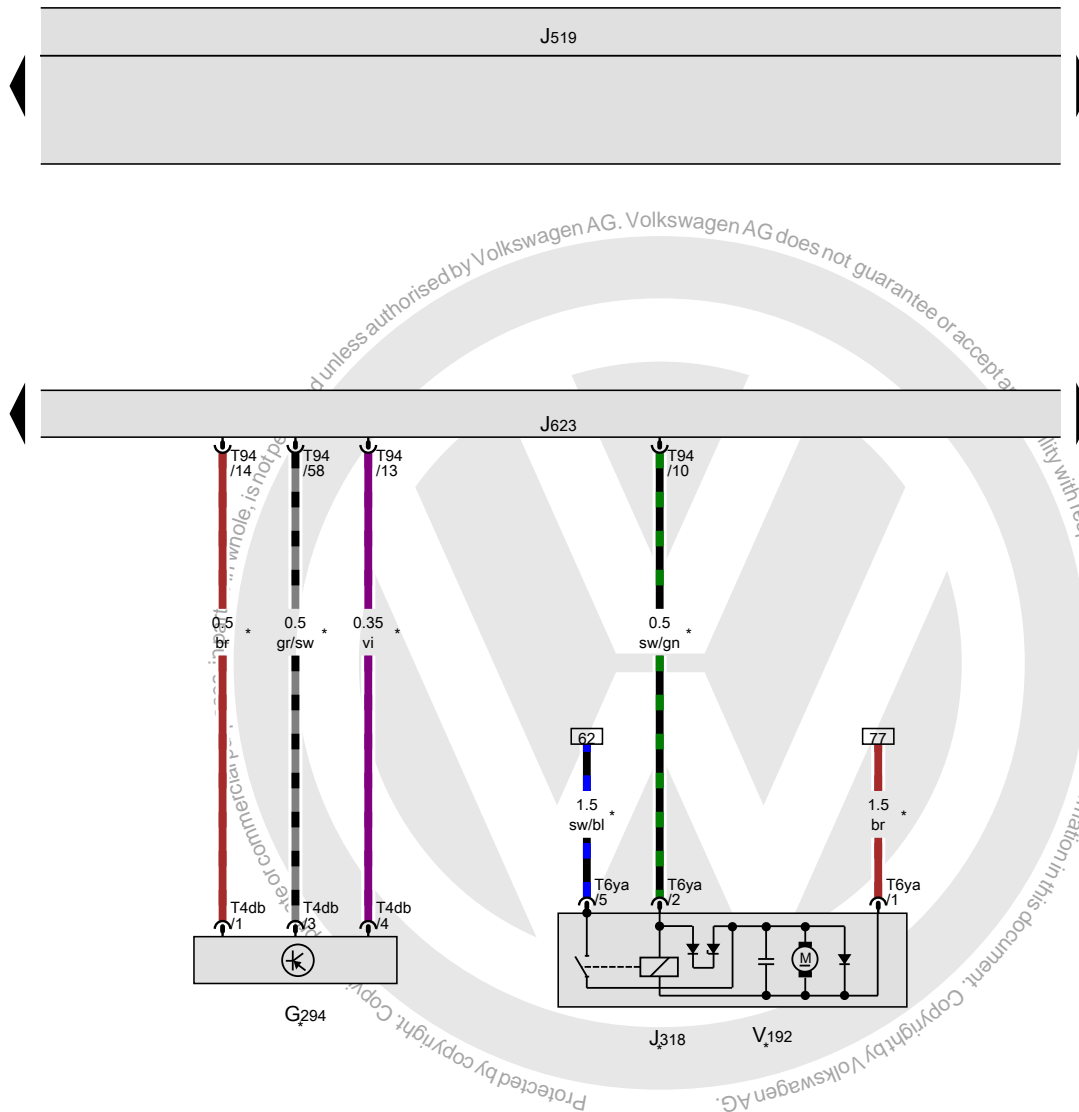
- * Only models with manual gearbox
- *2 Only models with ABS and no ESP
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 Gradually discontinued



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Brake servo pressure sensor, Onboard supply control unit, Engine control unit, Vacuum pump for brakes

- G294 Brake servo pressure sensor
- J318 Vacuum pump relay
- J519 Onboard supply control unit
- J623 Engine control unit, on left in engine compartment
- T4db 4-pin connector
- T6ya 6-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes
- * According to equipment



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Onboard supply control unit, Engine control unit

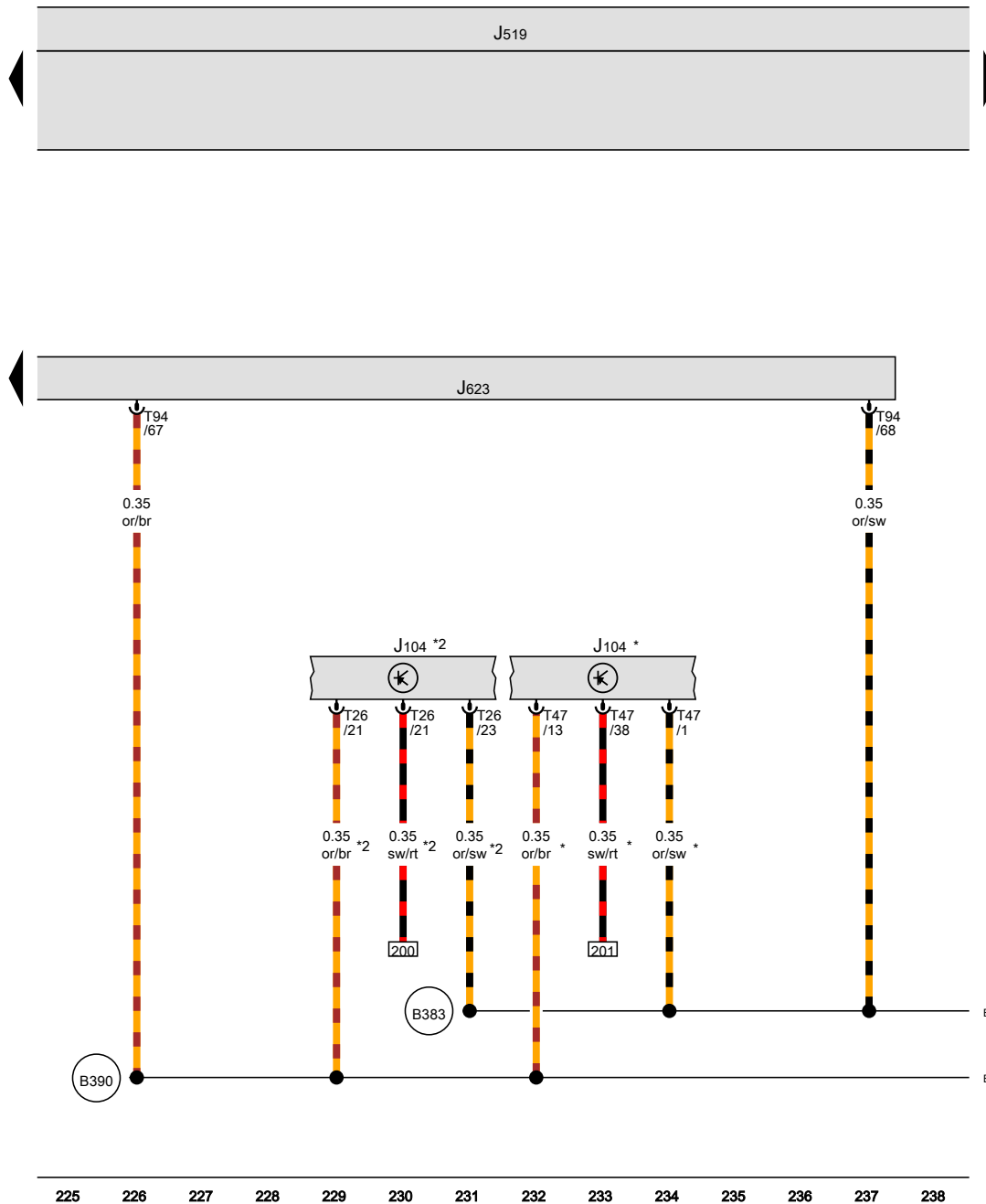
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, on left in engine compartment
- T26 26-pin connector
- T47 47-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

*2 Only models with ABS and no ESP

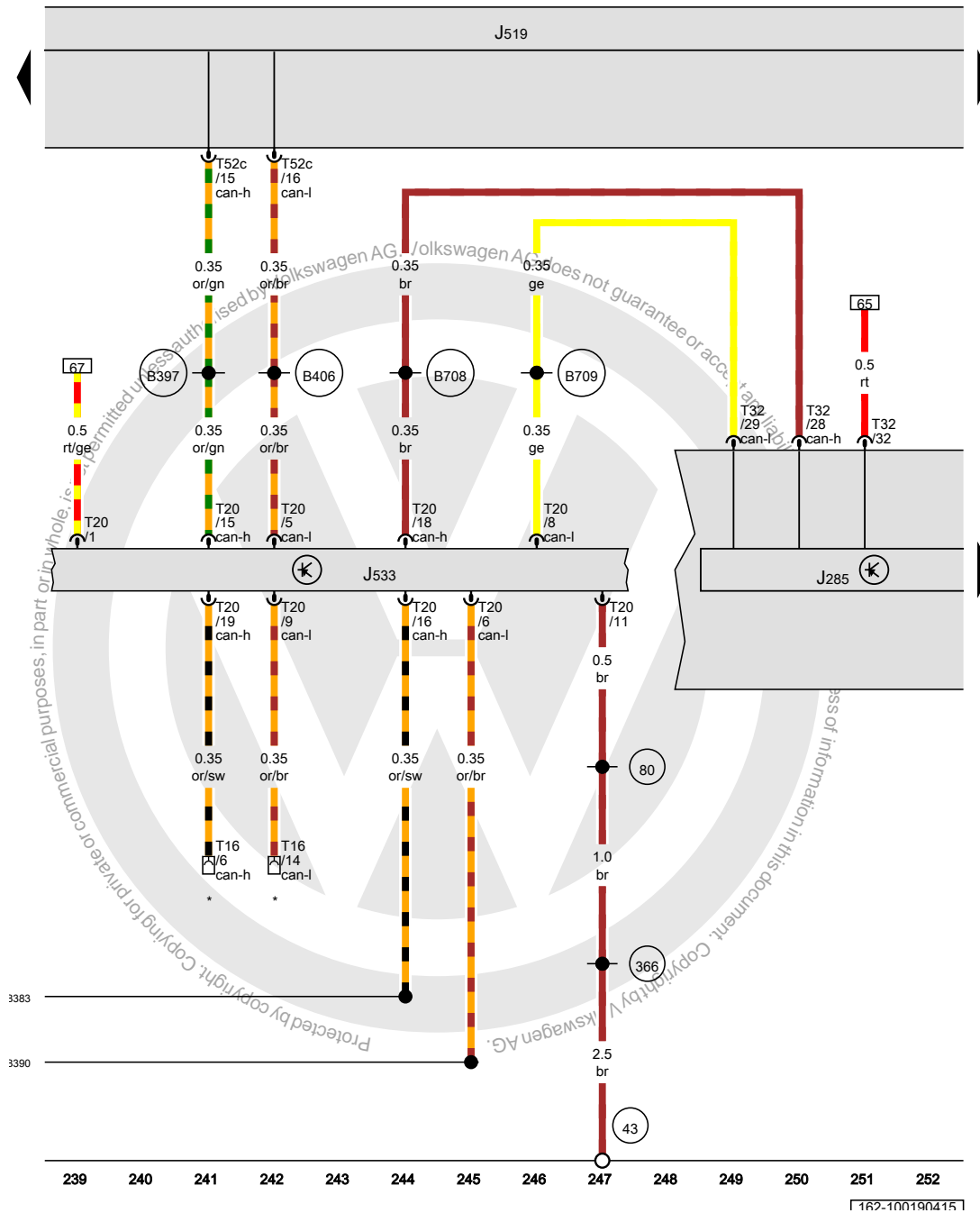


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225 226 227 228 229 230 231 232 233 234 235 236 237 238

162-100180415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

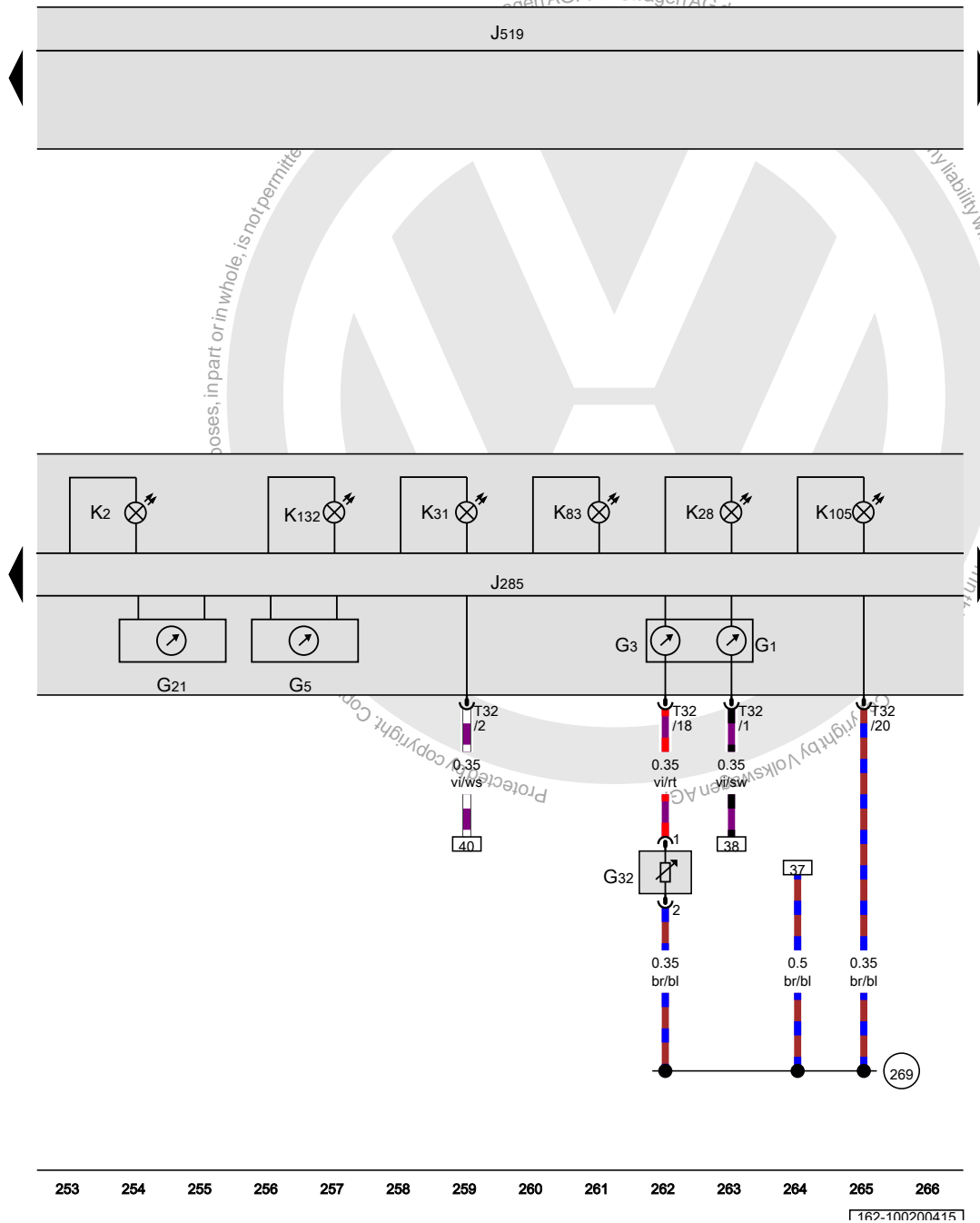
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection

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Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness

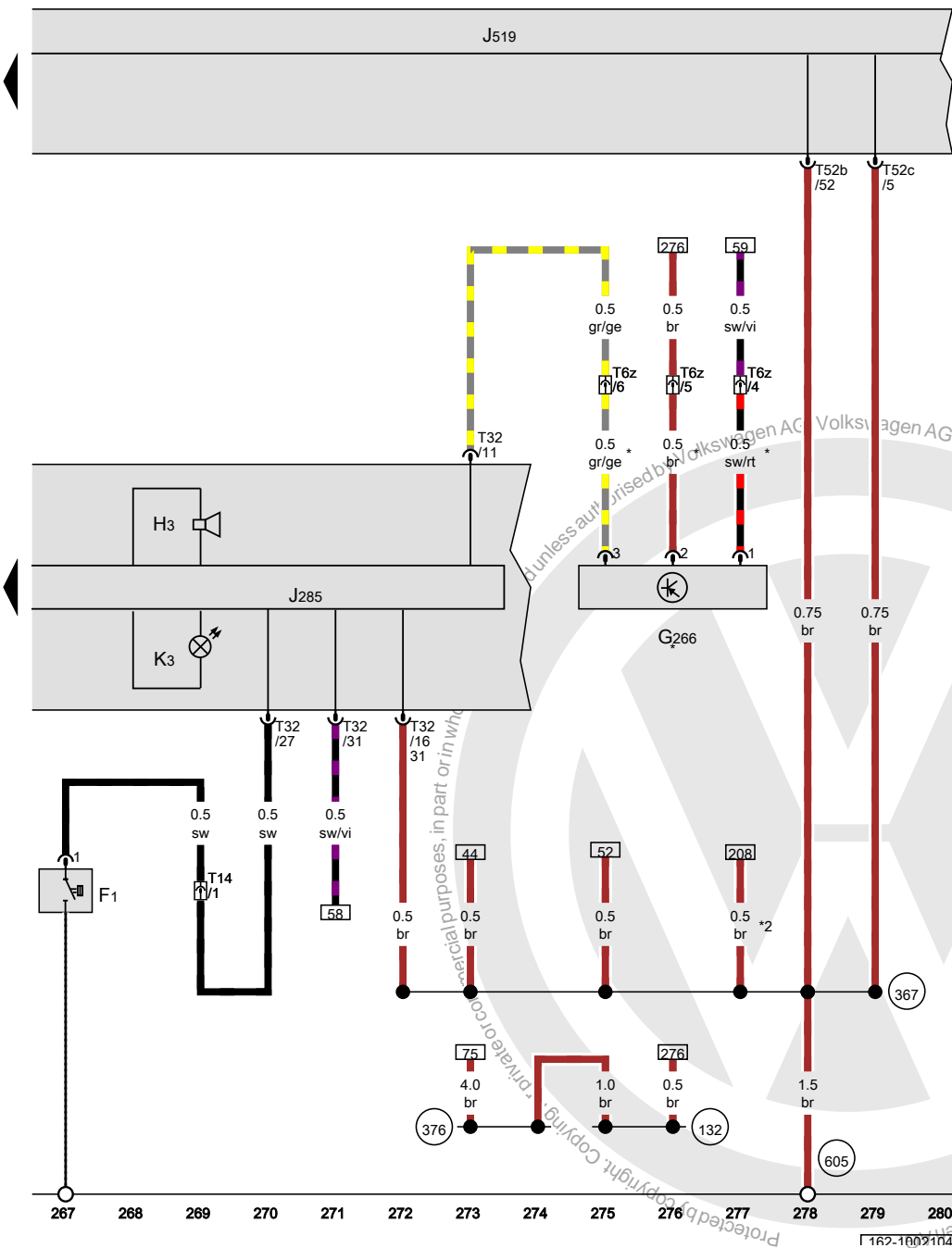


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- rs = pink

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with flexible service interval display
- *2 Only models with manual gearbox



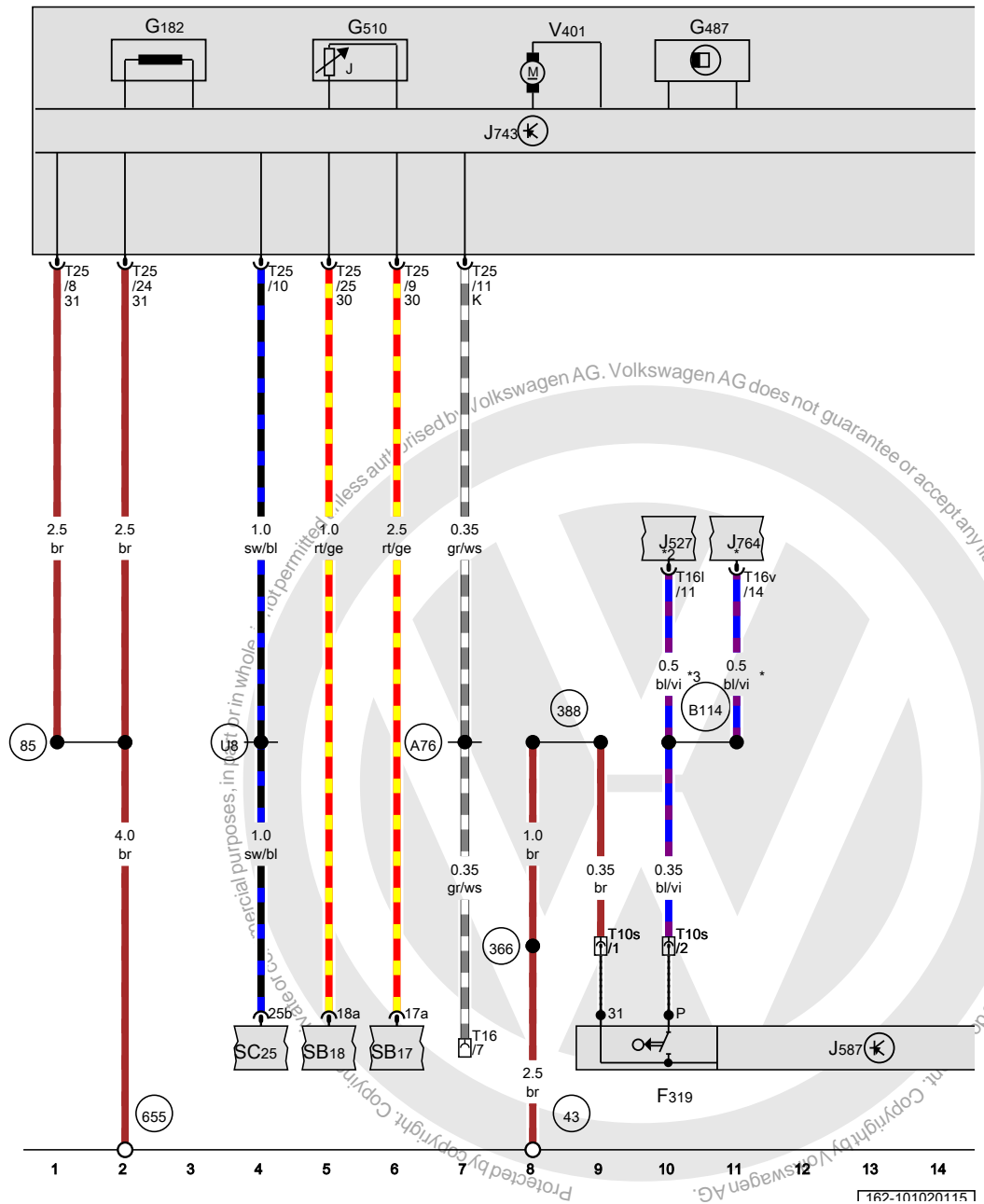
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Dual clutch gearbox 0AM , (0K1)

From June 2012



Selector lever sensors control unit, Mechatronic unit for dual clutch gearbox



- F319 Selector lever locked in position P switch
- G182 Gearbox input speed sender
- G487 Gear selector movement sensor 1
- G510 Temperature sender in control unit
- J527 Steering column electronics control unit
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- J764 Control unit for electronic steering column lock
- SB17 Fuse 17 on fuse holder B
- SB18 Fuse 18 on fuse holder B
- SC25 Fuse 25 on fuse holder C
- T10s 10-pin connector, under selector lever
- T16 16-pin connector, on diagnostic connection
- T16l 16-pin connector
- T16v 16-pin connector
- T25 25-pin connector
- V401 Hydraulic pump motor

- 43 Earth point, lower part of right A-pillar
- 85 Earth connection 1, in engine compartment wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 655 Earth point, on left headlight
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

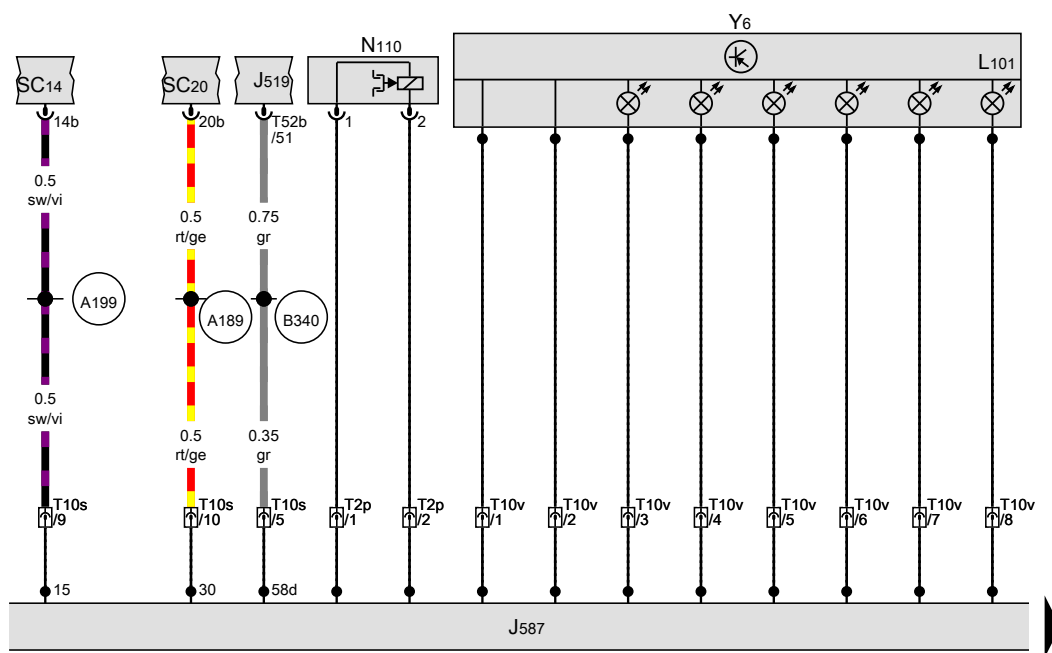
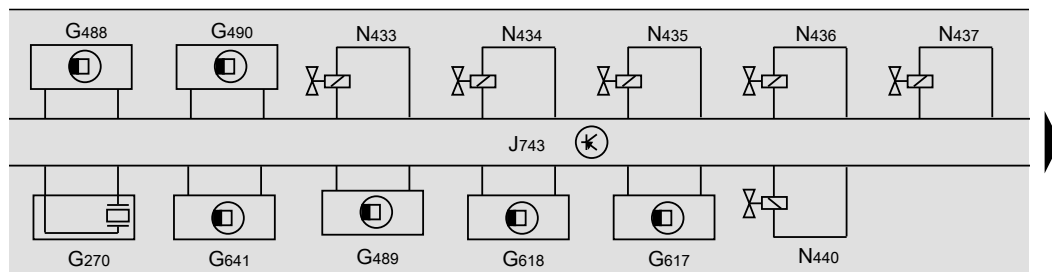
- * Only models with entry and start authorisation
- *2 According to equipment
- *3 Only models with no entry and start authorisation

Selector lever sensors control unit, Mechatronic unit for dual clutch gearbox, Selector lever display illumination bulb, Selector lever position display

- G270 Gearbox hydraulic pressure sender
- G488 Gear selector movement sensor 2
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G617 Clutch travel sender 1
- G618 Clutch travel sender 2
- G641 Gearbox input speed sender 3
- J519 Onboard supply control unit
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- L101 Selector lever display illumination bulb
- N110 Selector lever lock solenoid
- N433 Valve 1 in sub-gearbox 1
- N434 Valve 2 in sub-gearbox 1
- N435 Valve 3 in sub-gearbox 1
- N436 Valve 4 in sub-gearbox 1
- N437 Valve 1 in sub-gearbox 2
- N440 Valve 4 in sub-gearbox 2
- SC14 Fuse 14 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T2p 2-pin connector
- T10s 10-pin connector, under selector lever
- T10v 10-pin connector
- T52b 52-pin connector
- Y6 Selector lever position display

- (A189) Positive connection 5 (30a) in dash panel wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (B340) Connection 1 (58d), in main wiring harness

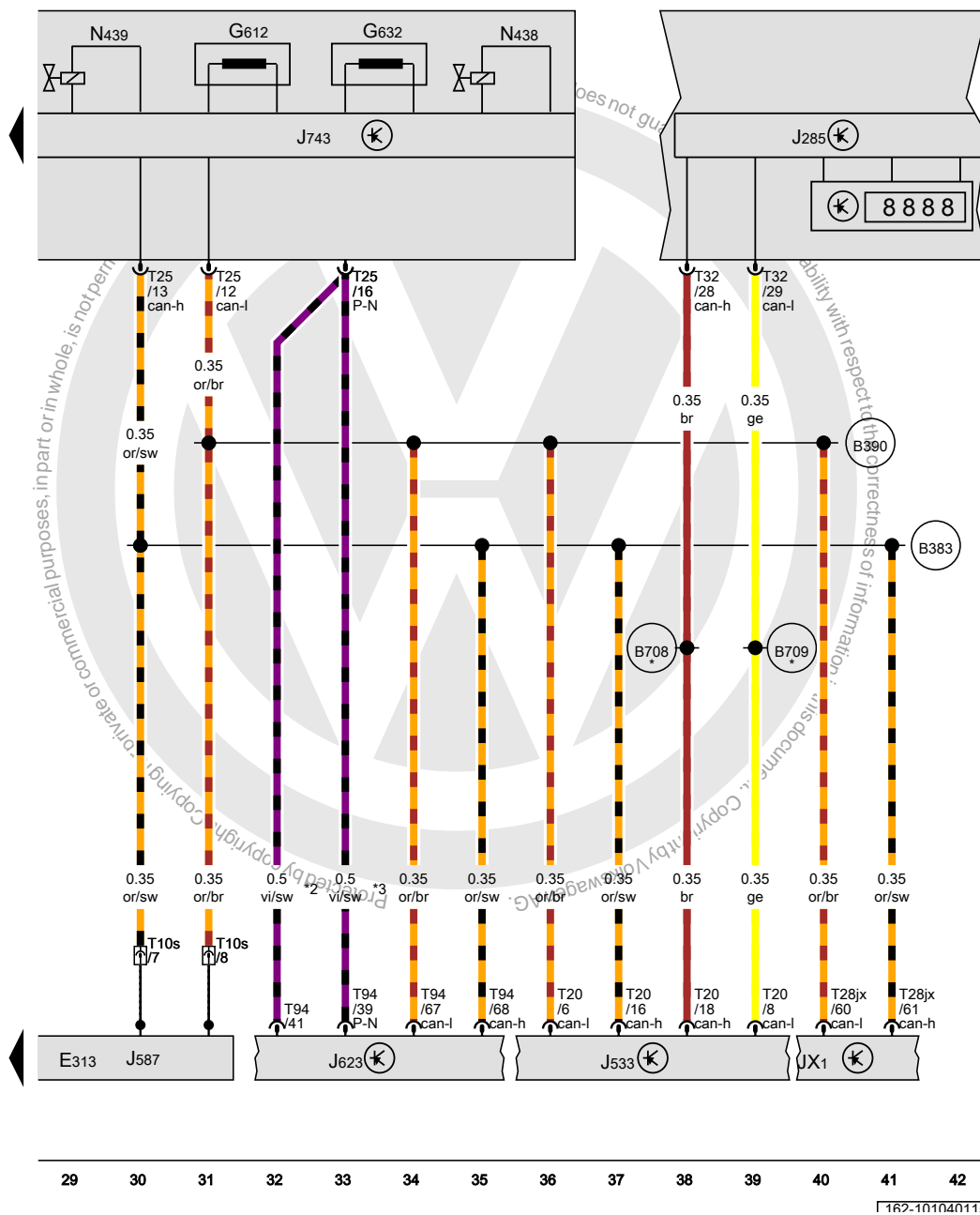
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- rs = pink



15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-101030115

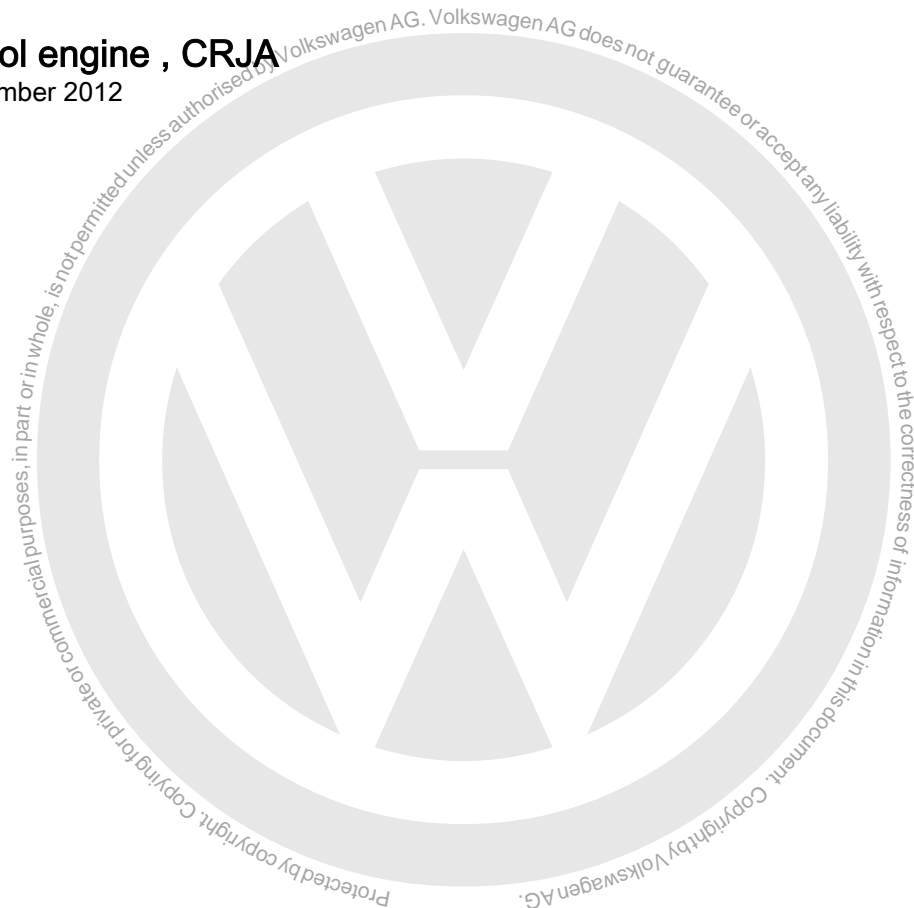
Power and control electronics for electric drive, Control unit in dash panel insert, Data bus diagnostic interface, Selector lever sensors control unit, Engine control unit, Mechatronic unit for dual clutch gearbox

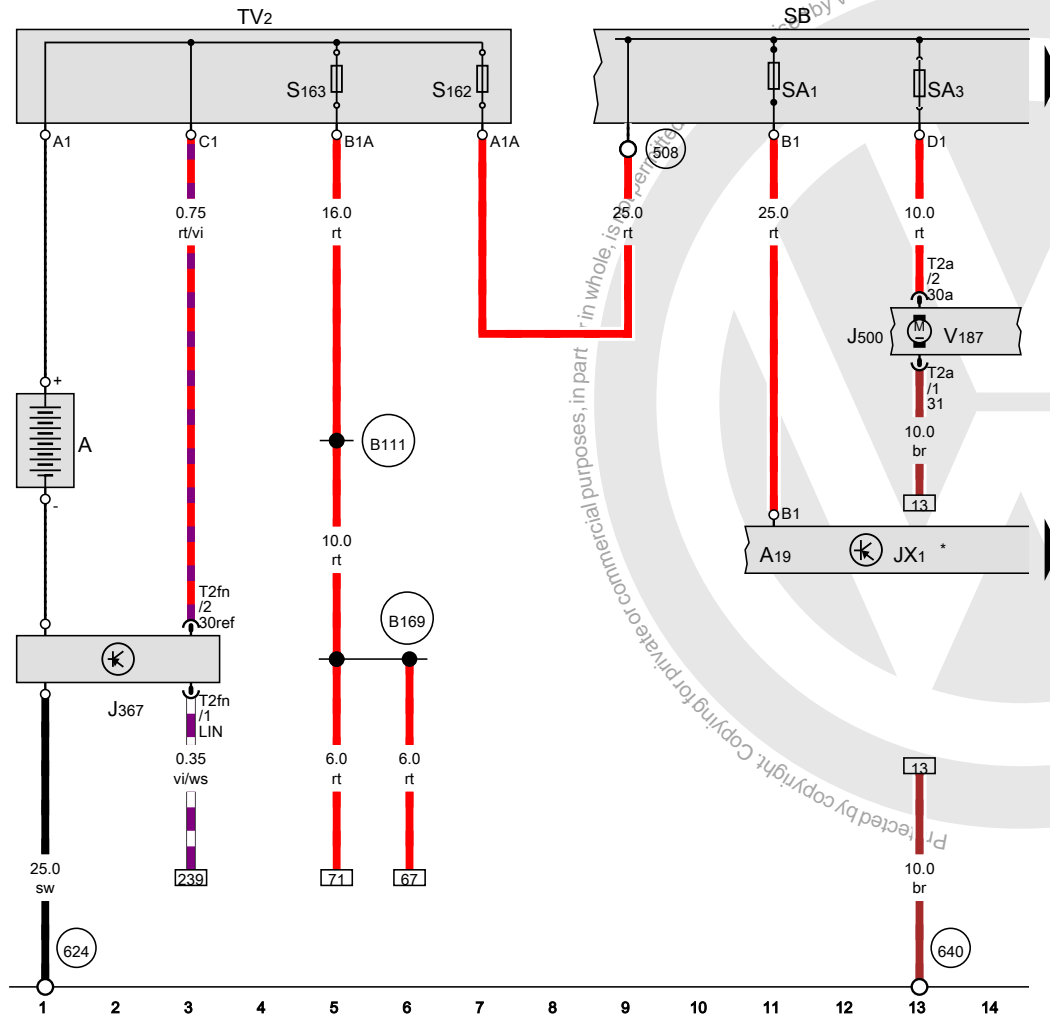
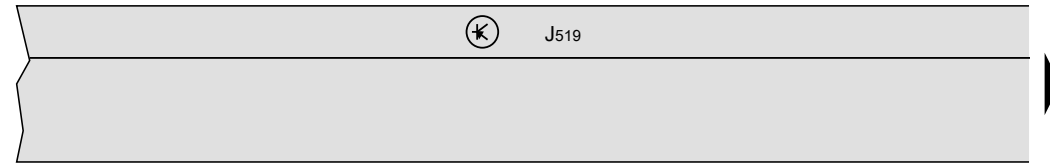


- E313 Selector lever
- G612 Gearbox input speed sender 2
- G632 Gearbox input speed sender 1
- JX1 Power and control electronics for electric drive
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- J587 Selector lever sensors control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox
- N438 Valve 2 in sub-gearbox 2
- N439 Valve 3 in sub-gearbox 2
- T10s 10-pin connector, under selector lever
- T20 20-pin connector
- T25 25-pin connector
- T28jx 28-pin connector
- T32 32-pin connector
- T94 94-pin connector
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * From June 2013
- *2 Only models with Euro 6 emission standard
- *3 Only for American markets

1.4l petrol engine , CRJA

From December 2012





Battery, Voltage converter, Power and control electronics for electric drive, Battery monitor control unit, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 3 in fuse holder A, Fuse holder B, Terminal 30 wiring junction

- A Battery, on left in luggage compartment
- A19 Voltage converter
- JX1 Power and control electronics for electric drive
- J367 Battery monitor control unit, on earth cable battery clamp
- J500 Power steering control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA3 Fuse 3 in fuse holder A
- S162 Fuse 1 (30), in battery fuse holder
- S163 Fuse 2 (30), in battery fuse holder
- SB Fuse holder B
- T2a 2-pin connector
- T2fn 2-pin connector
- TV2 Terminal 30 wiring junction, on fuse holder, battery
- V187 Electromechanical power steering motor
- 508 Threaded connection (30) on E-box
- 624 Earth point, starter battery
- 640 Earth point 2, left in engine compartment
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- * see applicable current flow diagram for high-voltage system

- ws = white
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- br = brown
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

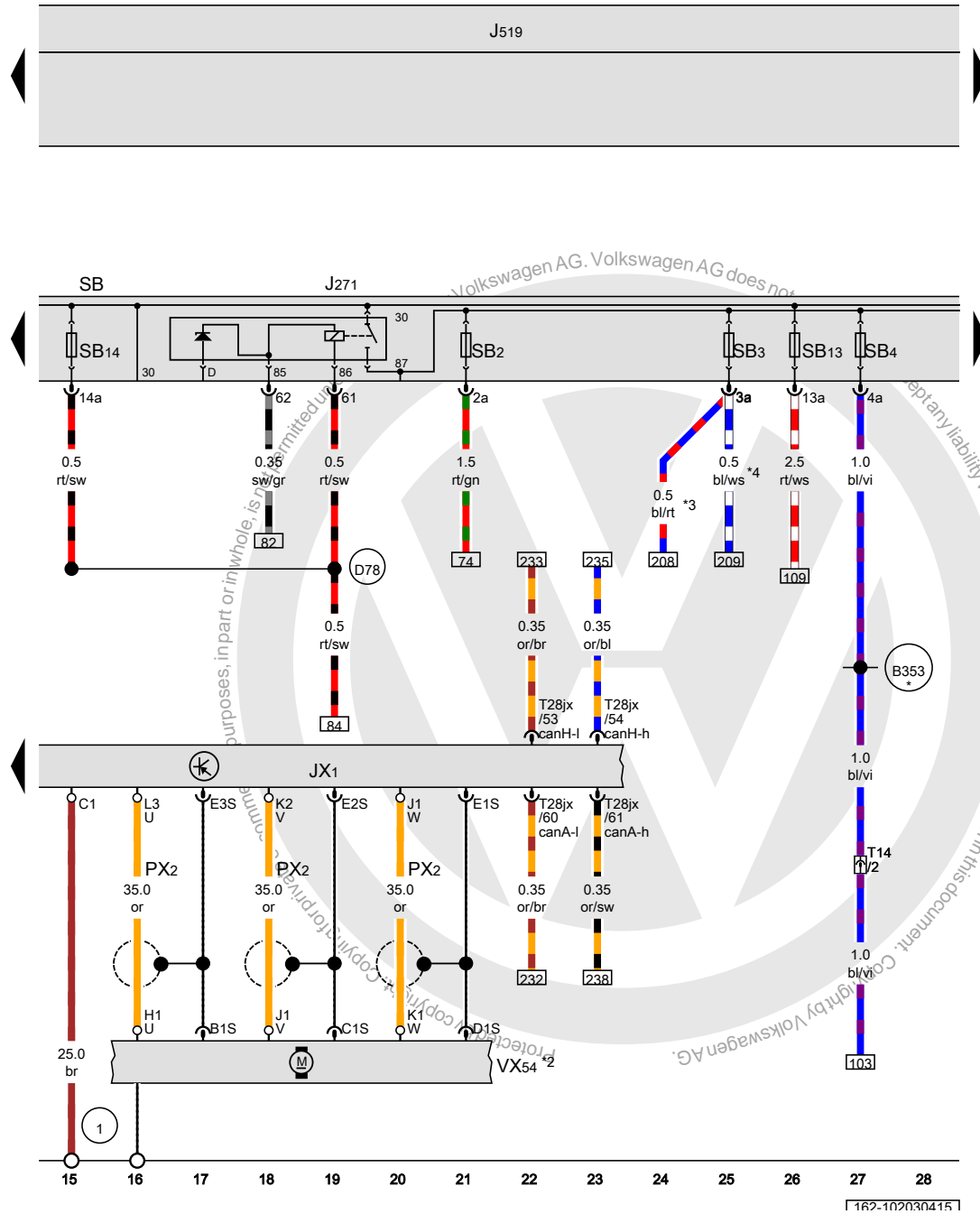
162-102020415

Power and control electronics for electric drive, Main relay, Onboard supply control unit, High-voltage wiring harness for drive motor, Fuse holder B, Three-phase current drive

- JX1 Power and control electronics for electric drive
- J271 Main relay
- J519 Onboard supply control unit
- PX2 High-voltage wiring harness for drive motor
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- T14 14-pin connector
- T28jx 28-pin connector
- VX54 Three-phase current drive

- 1 Earth strap, battery - body
- B353 Positive connection 4 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Gradually discontinued
see applicable current flow diagram for high-voltage system
- *2 Up to May 2013
- *3 From June 2013
- *4

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Fuel gauge sender, Fuel delivery unit, Fuel system pressurisation pump, Onboard supply control unit, Fuel pump control unit, Fuse holder B

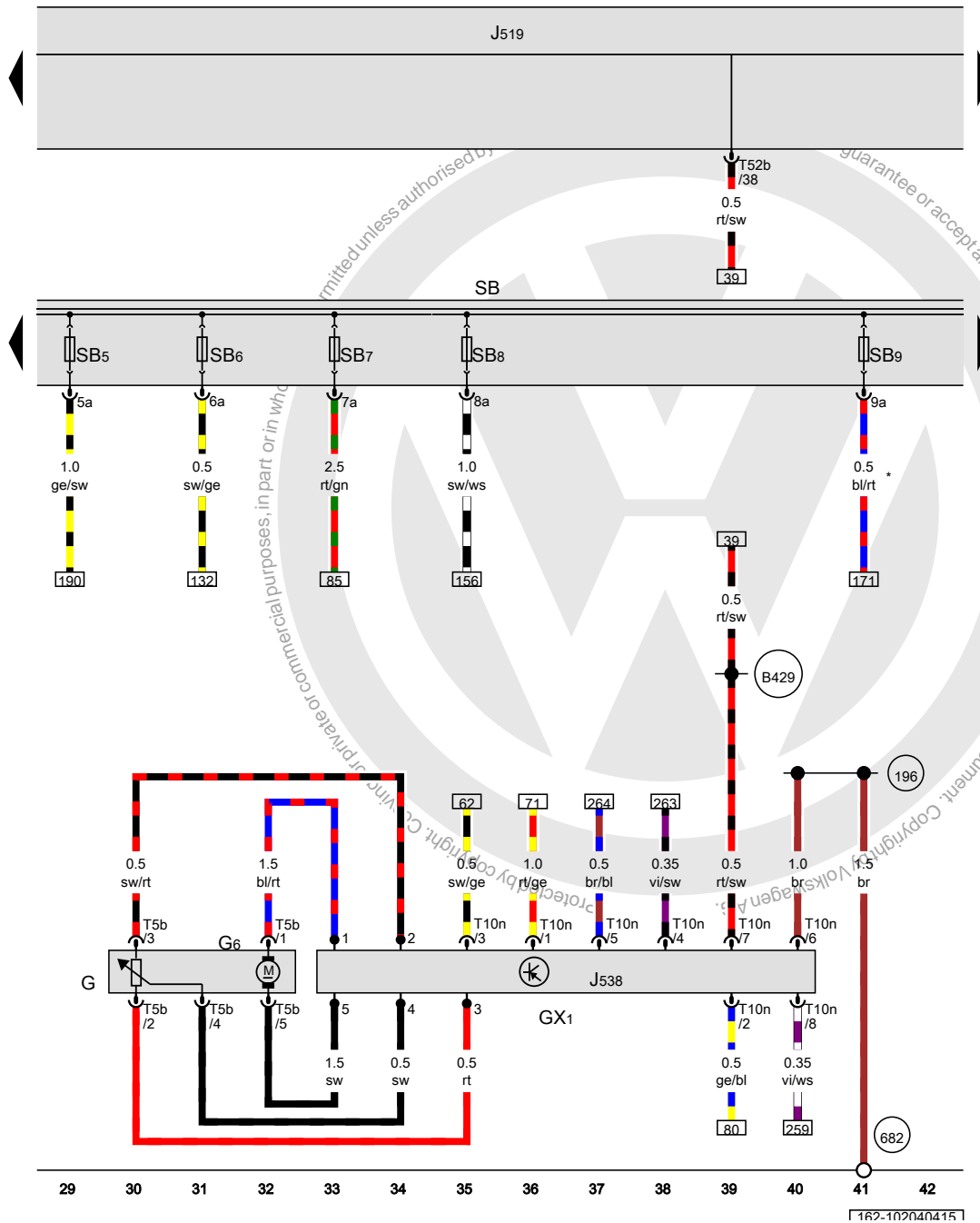
- G Fuel gauge sender
- GX1 Fuel delivery unit
- G6 Fuel system pressurisation pump
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- T5b 5-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

196 Earth connection 3, in rear wiring harness

682 Earth point 2, in rear right side panel

B429 Connection (EFPR), in main wiring harness

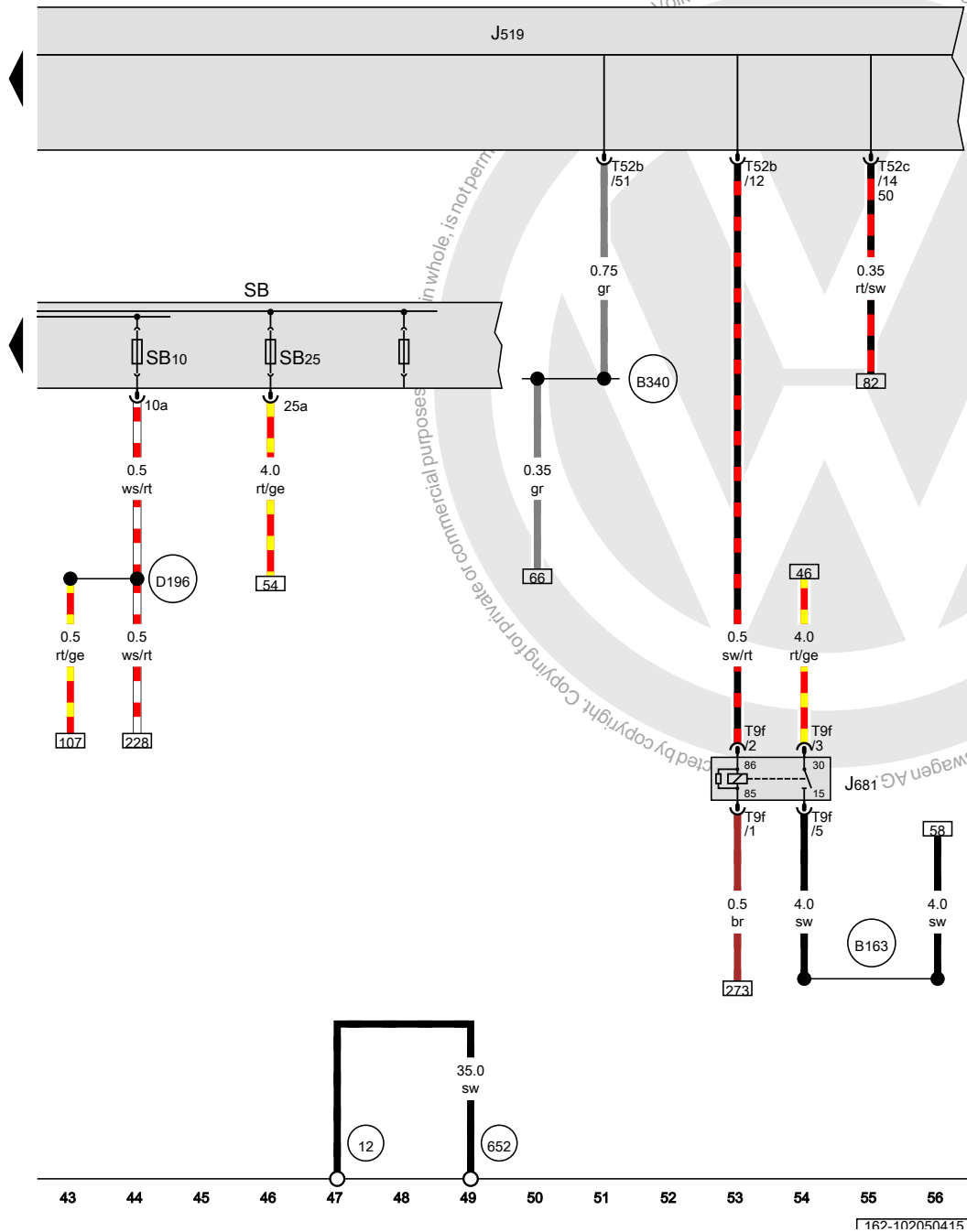
* Cross section depends on equipment



Onboard supply control unit, Terminal 15 voltage supply relay 2, Fuse holder B

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T9f 9-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 12 Earth point, on left in engine compartment
- 652 Earth point, engine and gearbox earth
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- D196 Connection 2 (87a) in engine prewiring harness

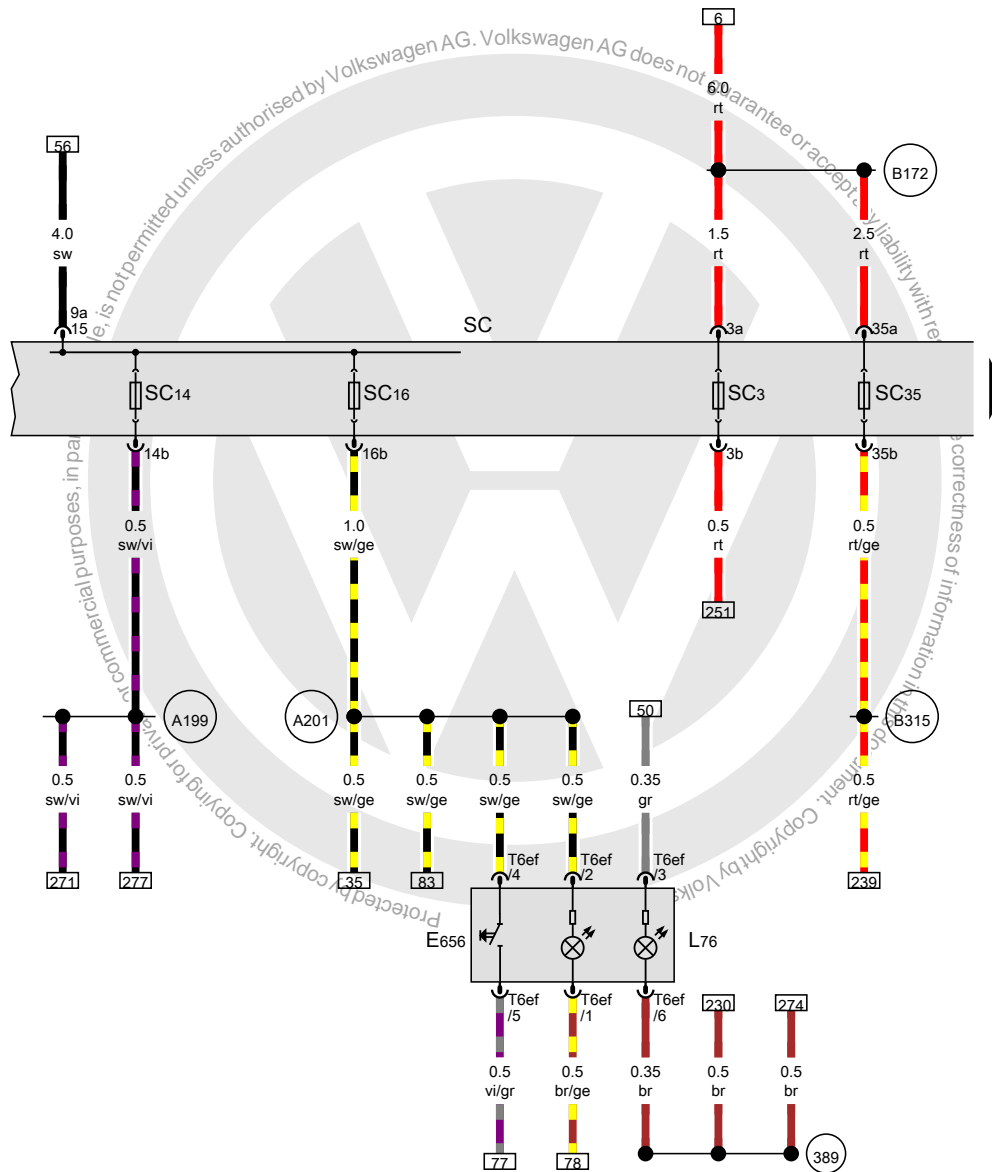


162-102050415

Button for electric drive, Button illumination bulb, Fuse holder C

- E656 Button for electric drive
- L76 Button illumination bulb
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T6ef 6-pin connector

- 389 Earth connection 24, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness



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- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

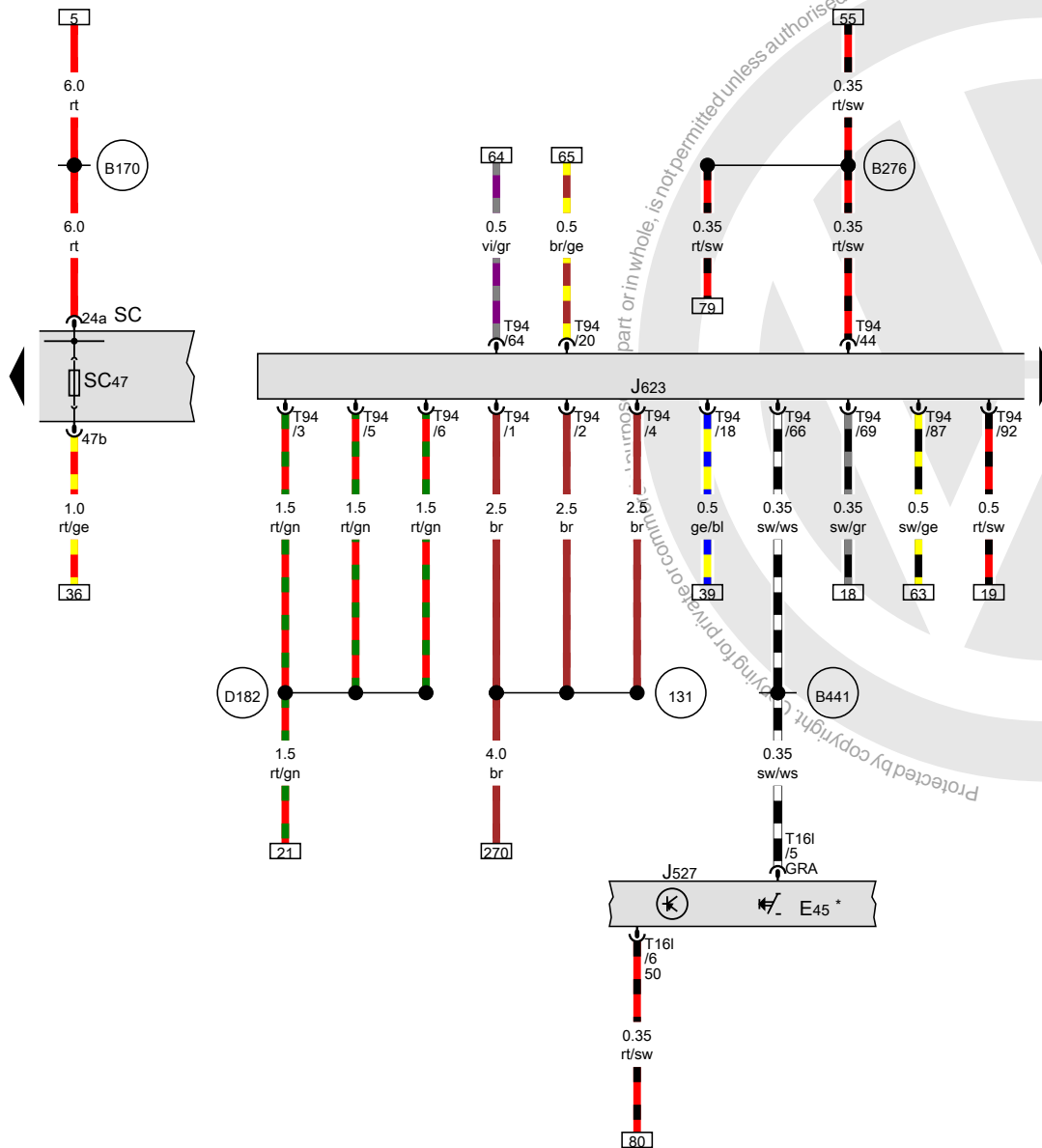
57 58 59 60 61 62 63 64 65 66 67 68 69 70

162-102060415

Engine control unit, Fuse holder C

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T161 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- B441 Connection (CCS), in main wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)

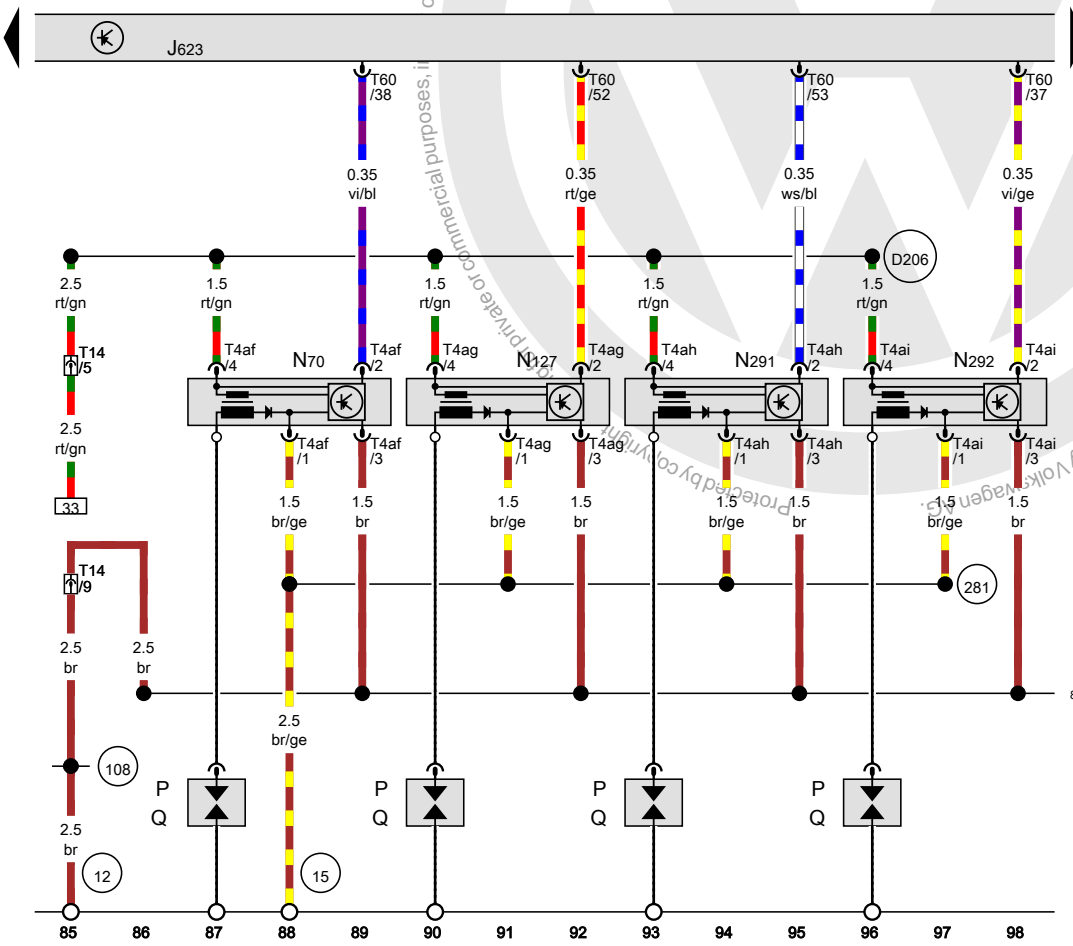


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Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



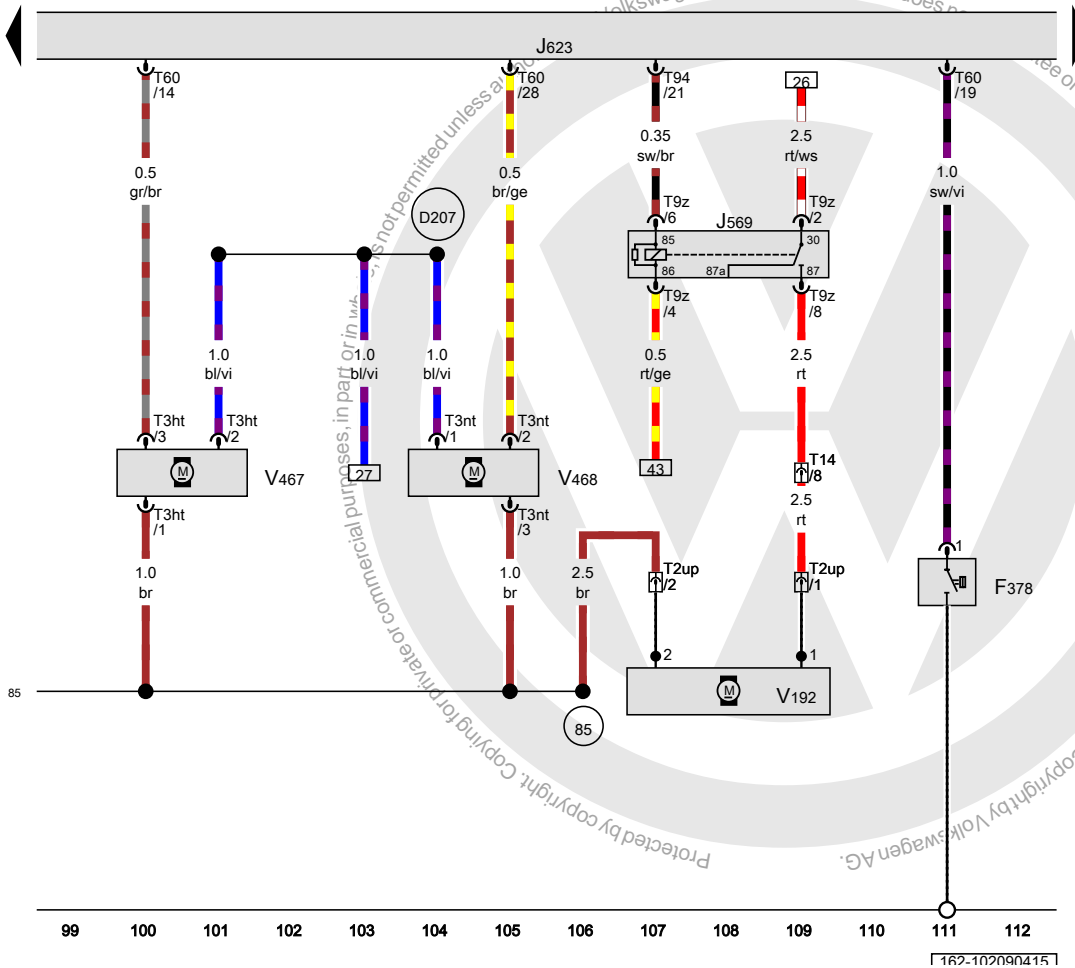
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162-102080415

Oil pressure switch for reduced oil pressure, Brake servo relay, Engine control unit, Vacuum pump for brakes, Coolant pump for high-temperature circuit, Coolant pump for low-temperature circuit

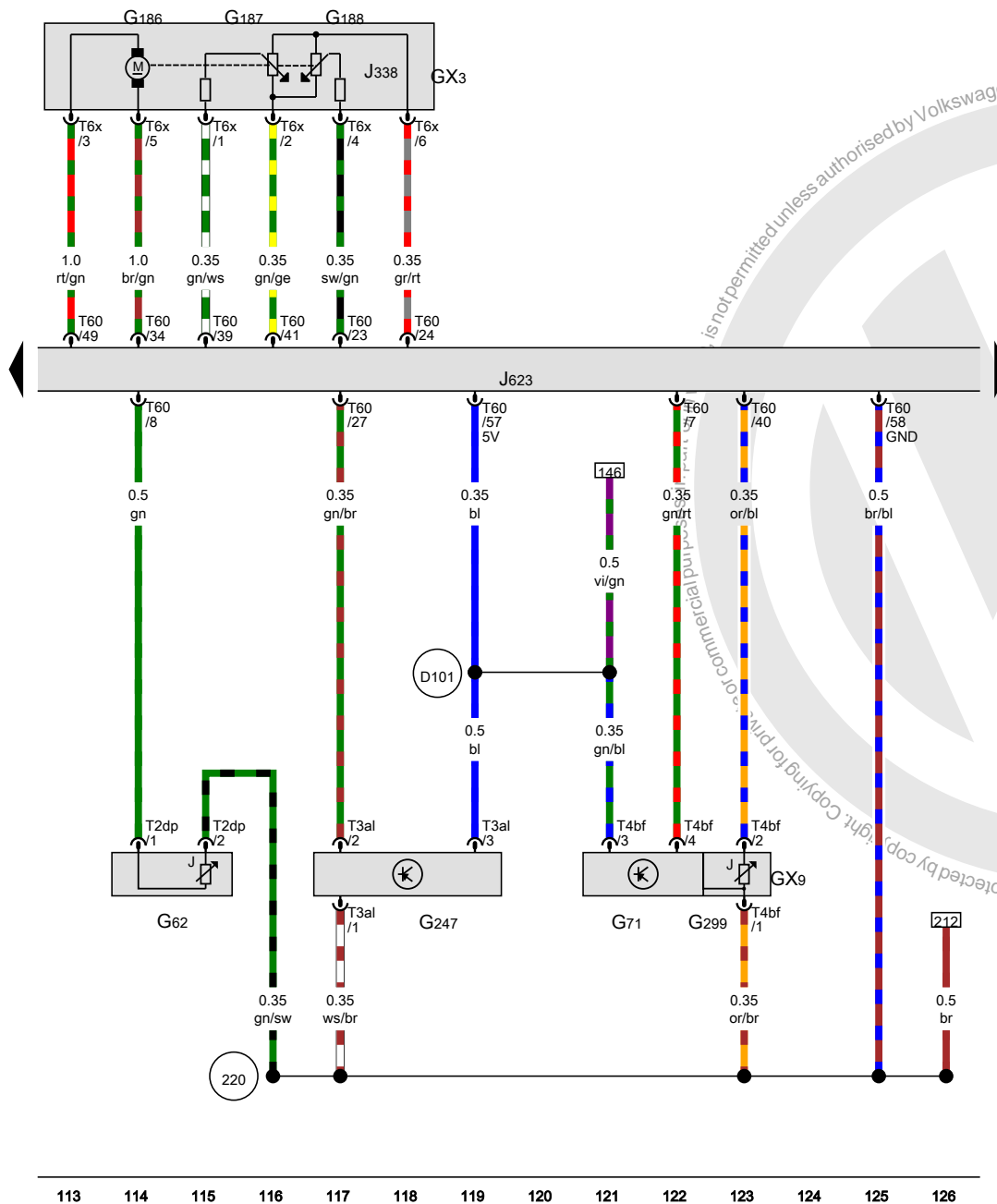
- F378 Oil pressure switch for reduced oil pressure
- J569 Brake servo relay
- J623 Engine control unit
- T2up 2-pin connector
- T3ht 3-pin connector
- T3nt 3-pin connector
- T9z 9-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V192 Vacuum pump for brakes
- V467 Coolant pump for high-temperature circuit
- V468 Coolant pump for low-temperature circuit

- (85) Earth connection 1, in engine compartment wiring harness
- (D207) Connection 7 (87a) in engine compartment wiring harness



- ws = white
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- br = brown
- gn = green
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- gr = grey
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- vi = purple
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Throttle valve module, Intake manifold sender, Intake manifold pressure sender, Fuel pressure sender, Intake air temperature sender 2, Engine control unit



- GX3 Throttle valve module
- GX9 Intake manifold sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G247 Fuel pressure sender
- G299 Intake air temperature sender 2
- J338 Throttle valve module
- J623 Engine control unit
- T2dp 2-pin connector
- T3al 3-pin connector
- T4bf 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

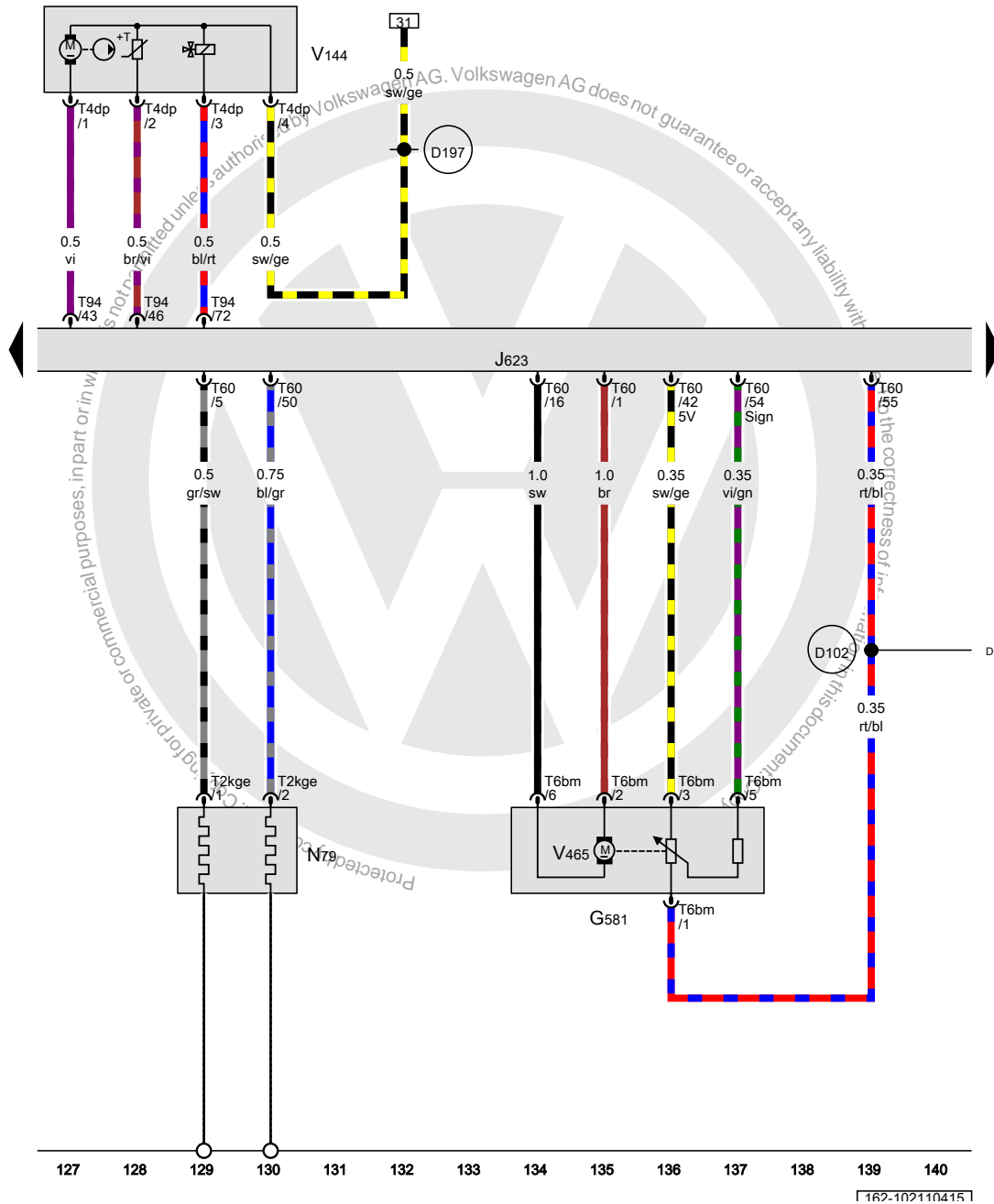
- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

Position sender for charge pressure positioner, Engine control unit, Charge pressure positioner

- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- N79 Heater element for crankcase breather
- T2kge 2-pin connector
- T4dp 4-pin connector
- T6bm 6-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump
- V465 Charge pressure positioner

- (D102) Connection 2 in engine compartment wiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness



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- vi = purple
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[162-102110415]

Engine speed sender, Hall sender, Knock sensor 1, Hall sender 3, Engine control unit

- G28 Engine speed sender
- G40 Hall sender
- G61 Knock sensor 1
- G300 Hall sender 3
- J623 Engine control unit
- T2ex 2-pin connector
- T3b 3-pin connector
- T3ba 3-pin connector
- T3v 3-pin connector
- T60 60-pin connector

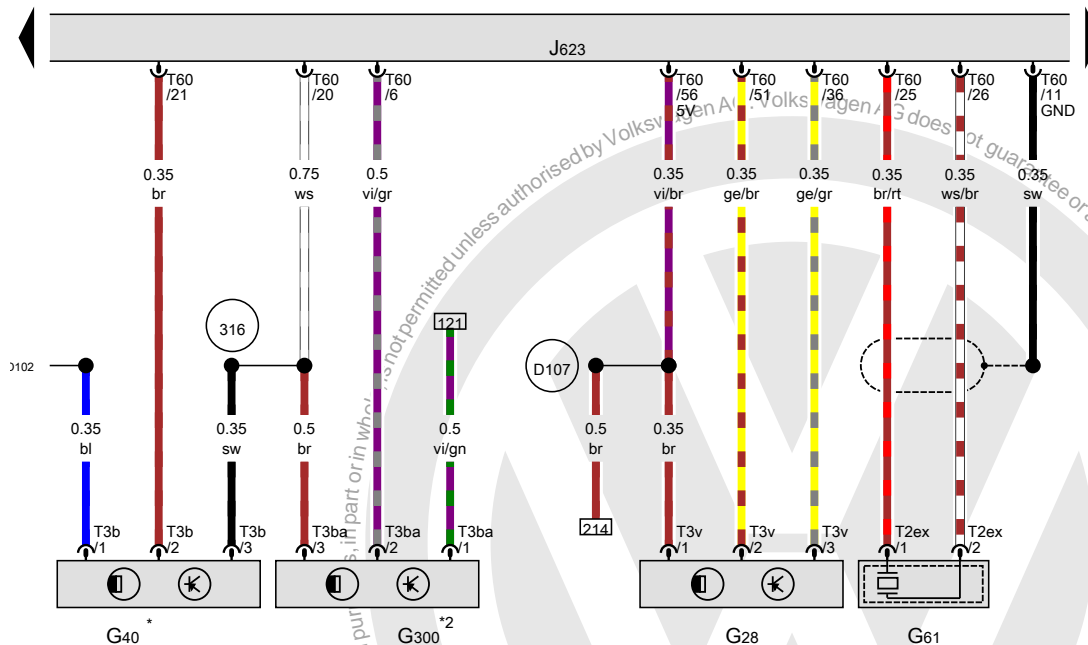
316 Earth connection (sender earth 2) in engine wiring harness

D102 Connection 2 in engine compartment wiring harness

D107 Connection 5 in engine compartment wiring harness

* Camshaft sender - inlet valves

*2 Camshaft sender - exhaust valves



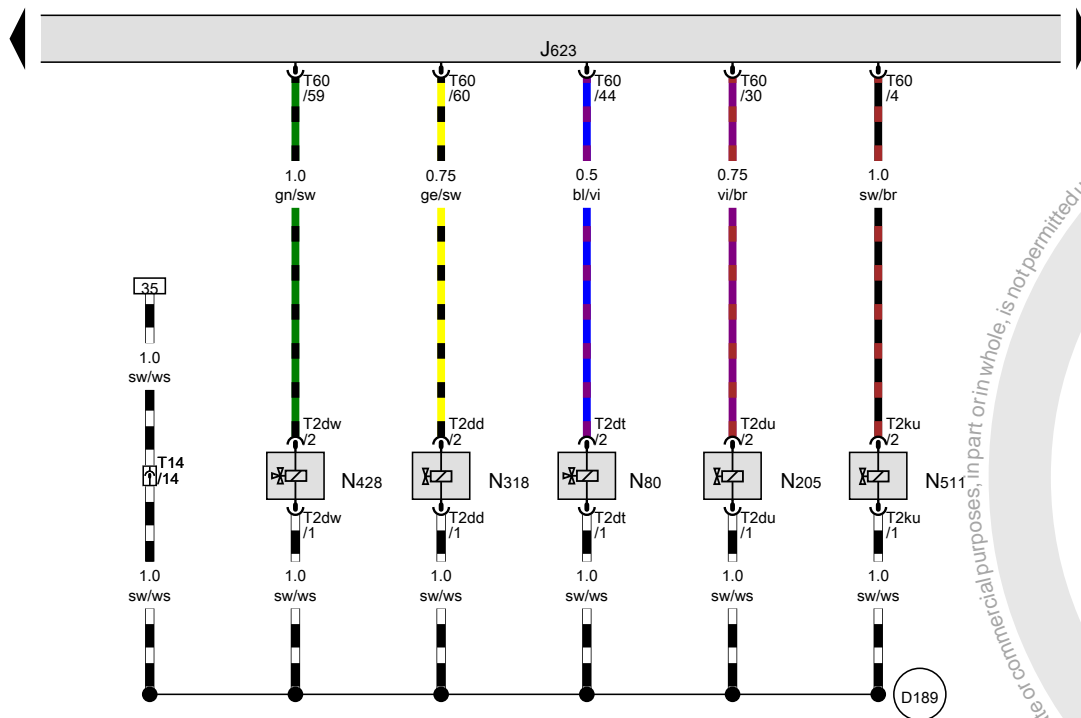
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- vi = purple
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141 142 143 144 145 146 147 148 149 150 151 152 153 154

Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Exhaust camshaft control valve 1, Valve for oil pressure control, Pressure regulator for disengagement clutch

- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N318 Exhaust camshaft control valve 1
- N428 Valve for oil pressure control
- N511 Pressure regulator for disengagement clutch
- T2dd 2-pin connector
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T2ku 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

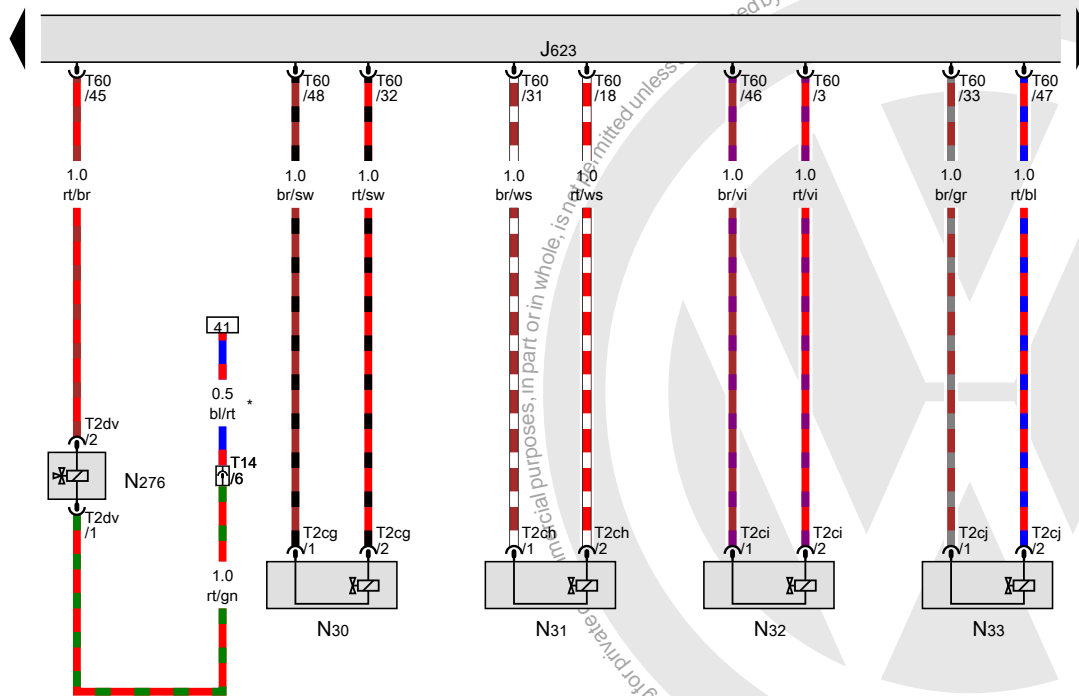
D189 Connection (87a) in engine prewiring harness



- ws = white
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
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Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve

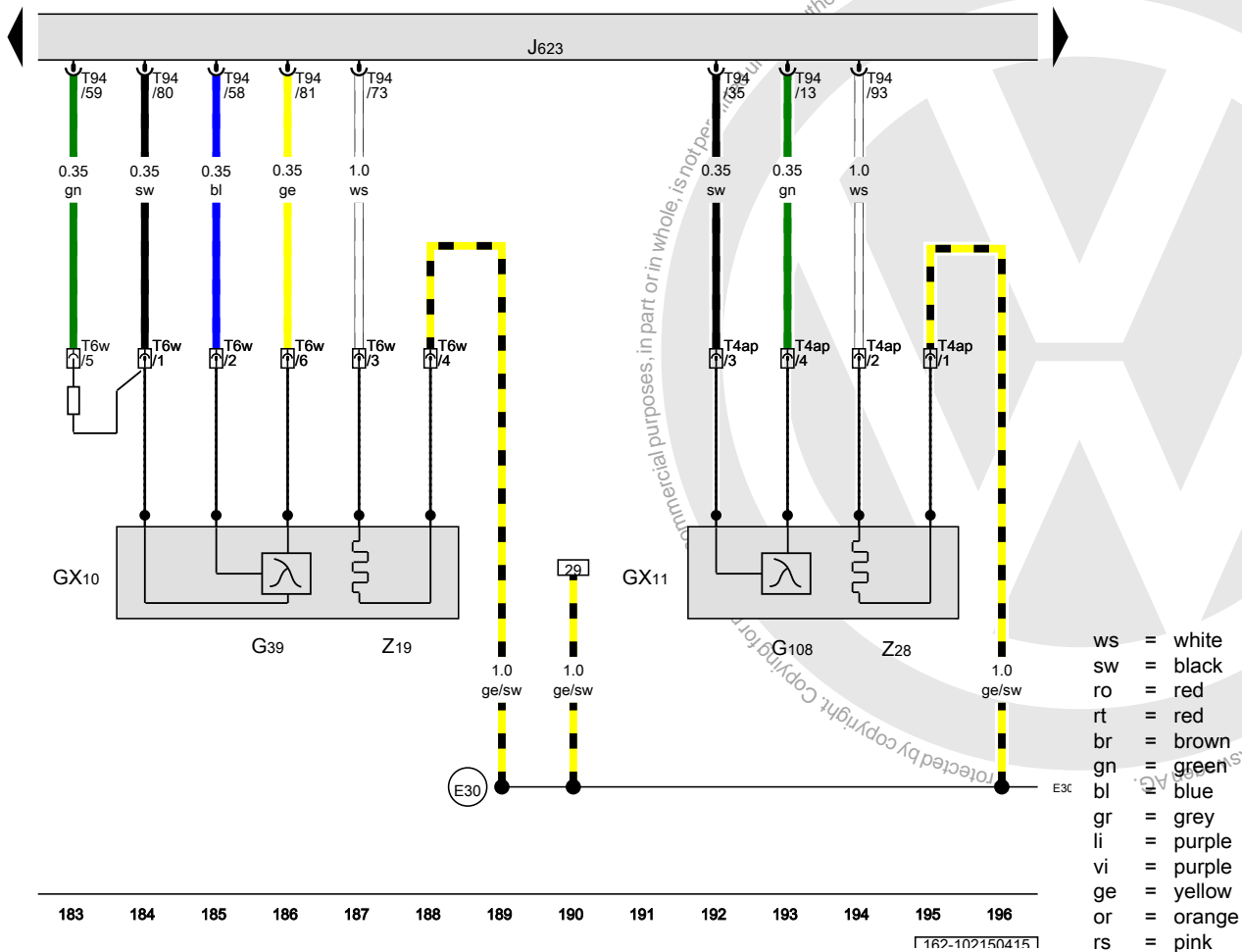
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2dv 2-pin connector
- T14 14-pin connector
- T60 60-pin connector
- * Cross section depends on equipment



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Lambda probe 1 before catalytic converter, Lambda probe 2 before catalytic converter, Lambda probe, Lambda probe 2, Engine control unit

- GX10 Lambda probe 1 before catalytic converter
- GX11 Lambda probe 2 before catalytic converter
- G39 Lambda probe
- G108 Lambda probe 2
- J623 Engine control unit
- T4ap 4-pin connector
- T6w 6-pin connector, in rear of engine compartment
- T94 94-pin connector
- Z19 Lambda probe heater
- Z28 Lambda probe heater 2
- E30 Connection (87a), in engine wiring harness



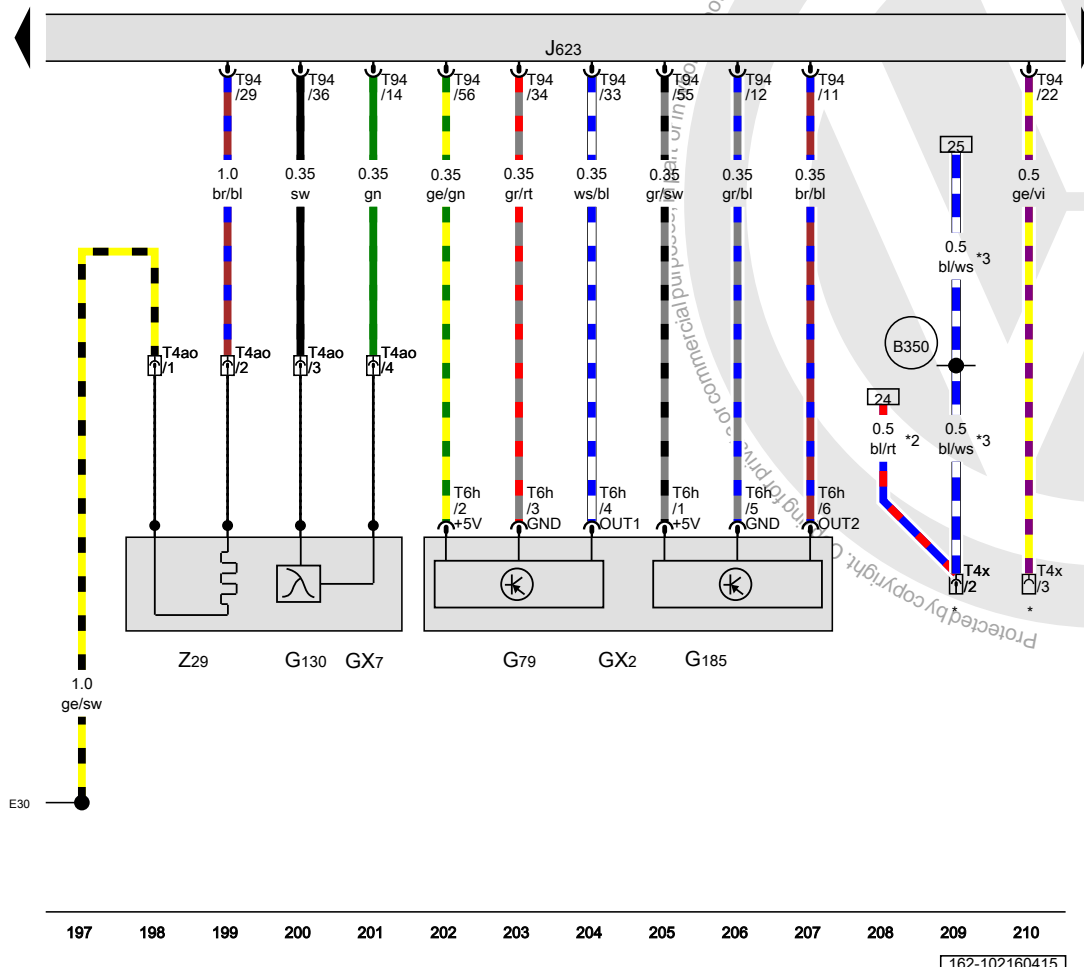
183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-102150415]

Accelerator pedal module, Lambda probe 1 after catalytic converter, Accelerator position sender, Lambda probe after catalytic converter, Accelerator position sender 2, Engine control unit

- GX2 Accelerator pedal module
- GX7 Lambda probe 1 after catalytic converter
- G79 Accelerator position sender
- G130 Lambda probe after catalytic converter
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4ao 4-pin connector, near Lambda probe
- T4x 4-pin connector, on radiator fan, bottom left
- T6h 6-pin connector
- T94 94-pin connector
- Z29 Lambda probe 1 heater after catalytic converter

- (B350) Positive connection 1 (87a) in main wiring harness
- (E30) Connection (87a), in engine wiring harness
- * Radiator fan connection
- *2 Up to May 2013
- *3 From June 2013

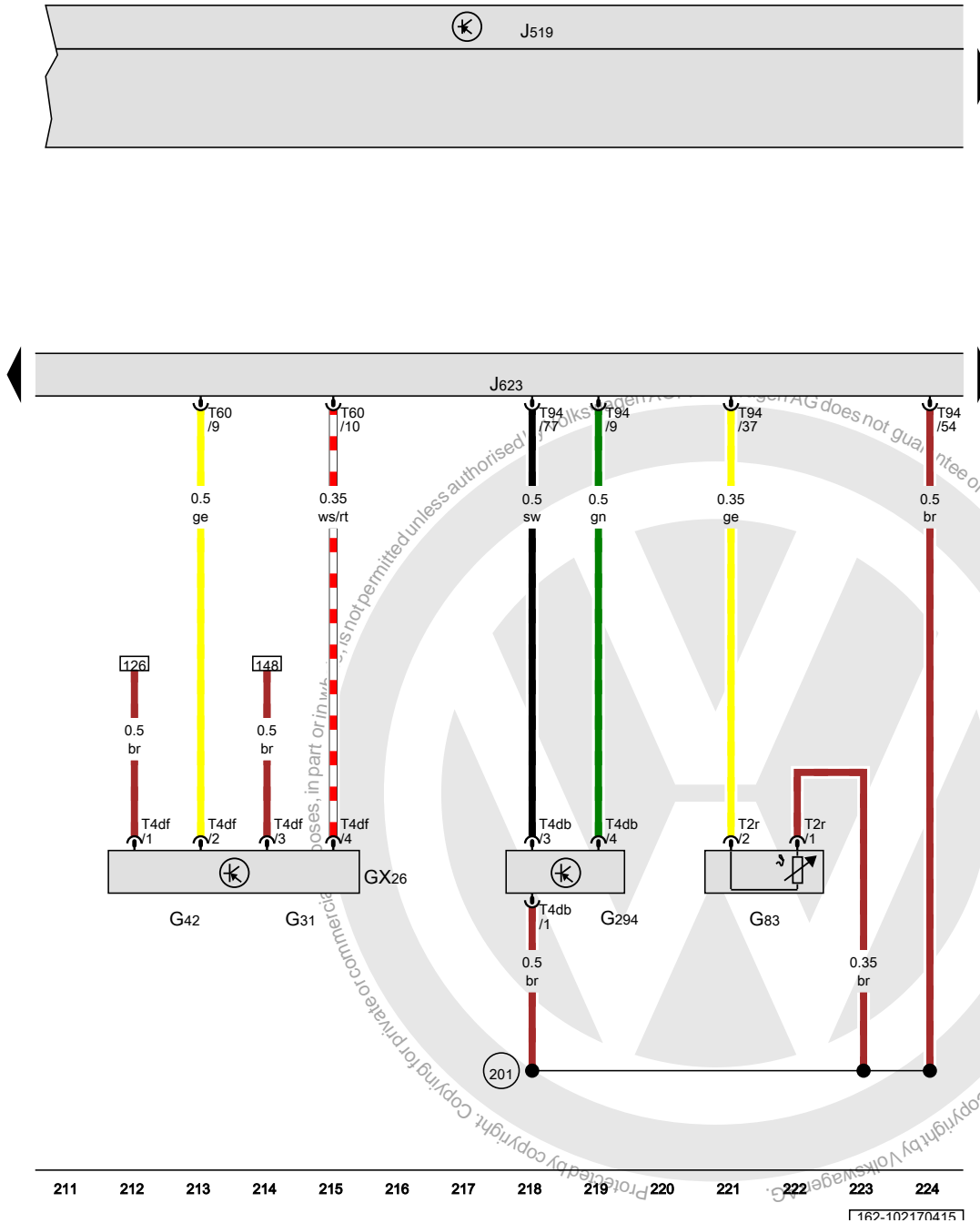


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Charge pressure sender, Charge pressure sender, Intake air temperature sender, Radiator outlet coolant temperature sender, Brake servo pressure sensor, Onboard supply control unit, Engine control unit

- GX26 Charge pressure sender
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G83 Radiator outlet coolant temperature sender
- G294 Brake servo pressure sensor
- J519 Onboard supply control unit
- J623 Engine control unit
- T2r 2-pin connector
- T4db 4-pin connector
- T4df 4-pin connector
- T60 60-pin connector
- T94 94-pin connector

201 Earth connection 5, in engine compartment wiring harness

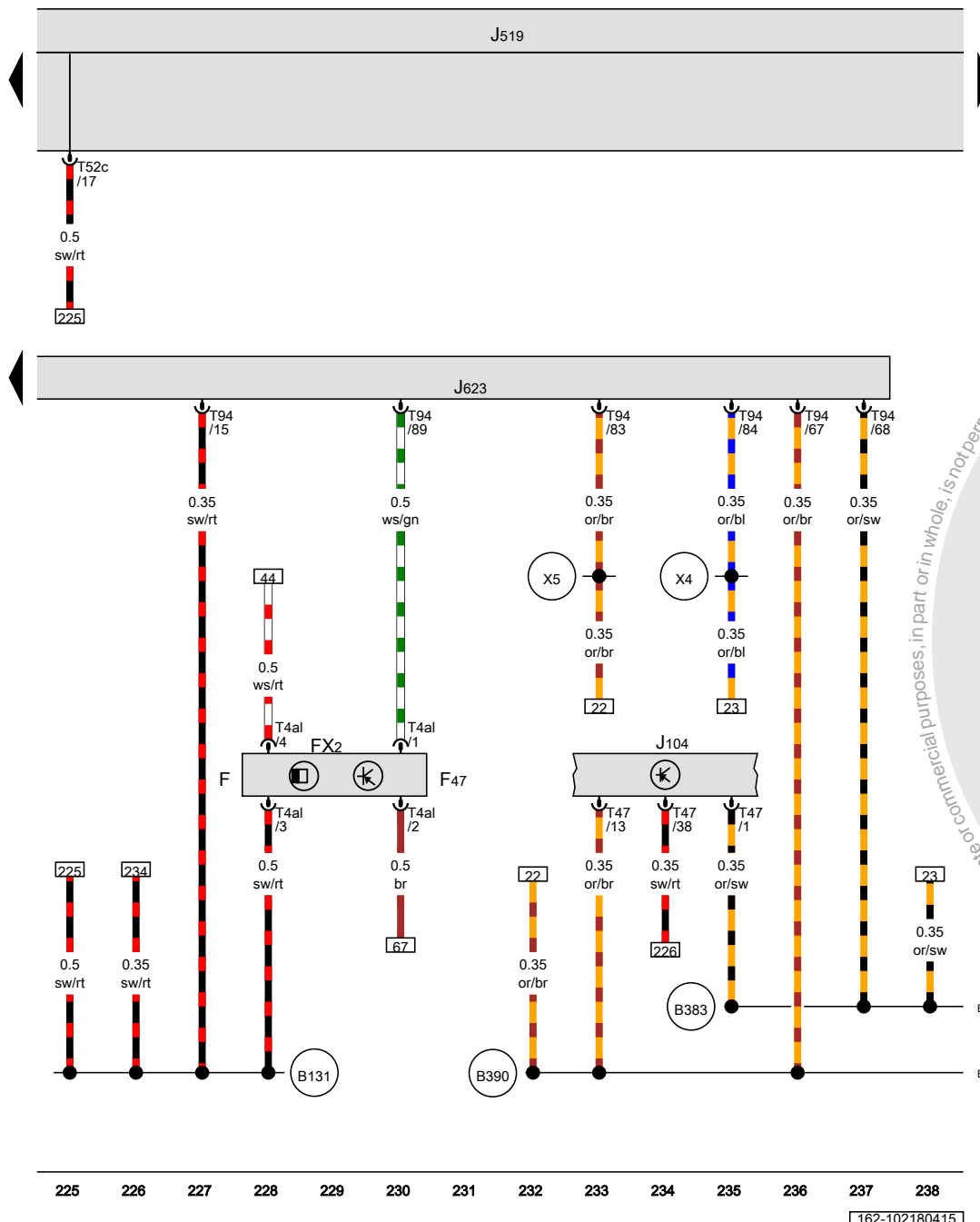


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211 212 213 214 215 216 217 218 219 220 221 222 223 224

162-102170415

Brake light switch, Brake pedal switch, Onboard supply control unit, Engine control unit

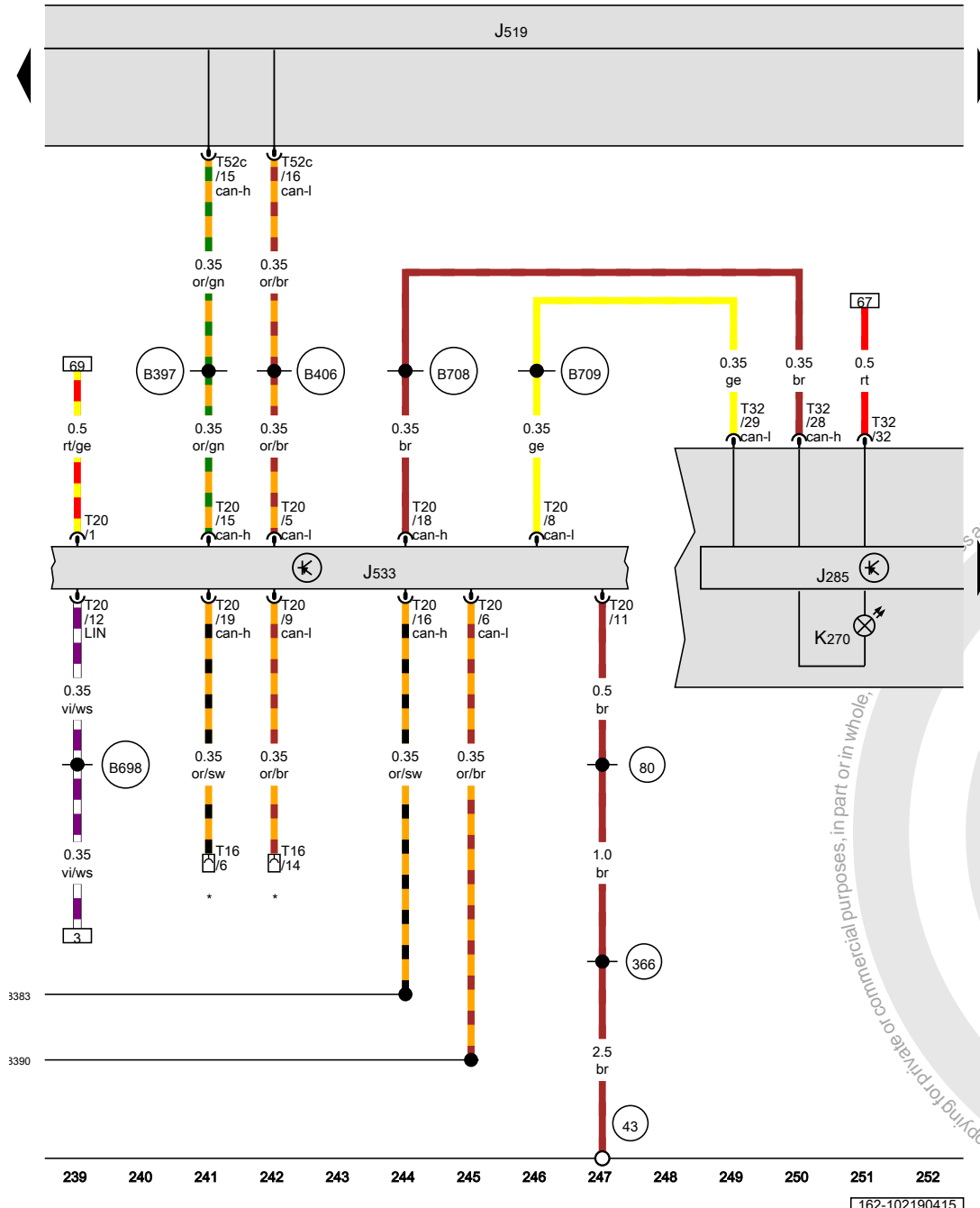


- F Brake light switch
- FX2 Brake pedal switch
- F47 Brake pedal switch
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T47 47-pin connector
- T52c 52-pin connector
- T94 94-pin connector

- (B131) Connection (54), in interior wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (X4) Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
- (X5) Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness

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162-102180415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Electric drive warning lamp

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K270 Electric drive warning lamp
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B698 Connection 3 (LIN bus) in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection

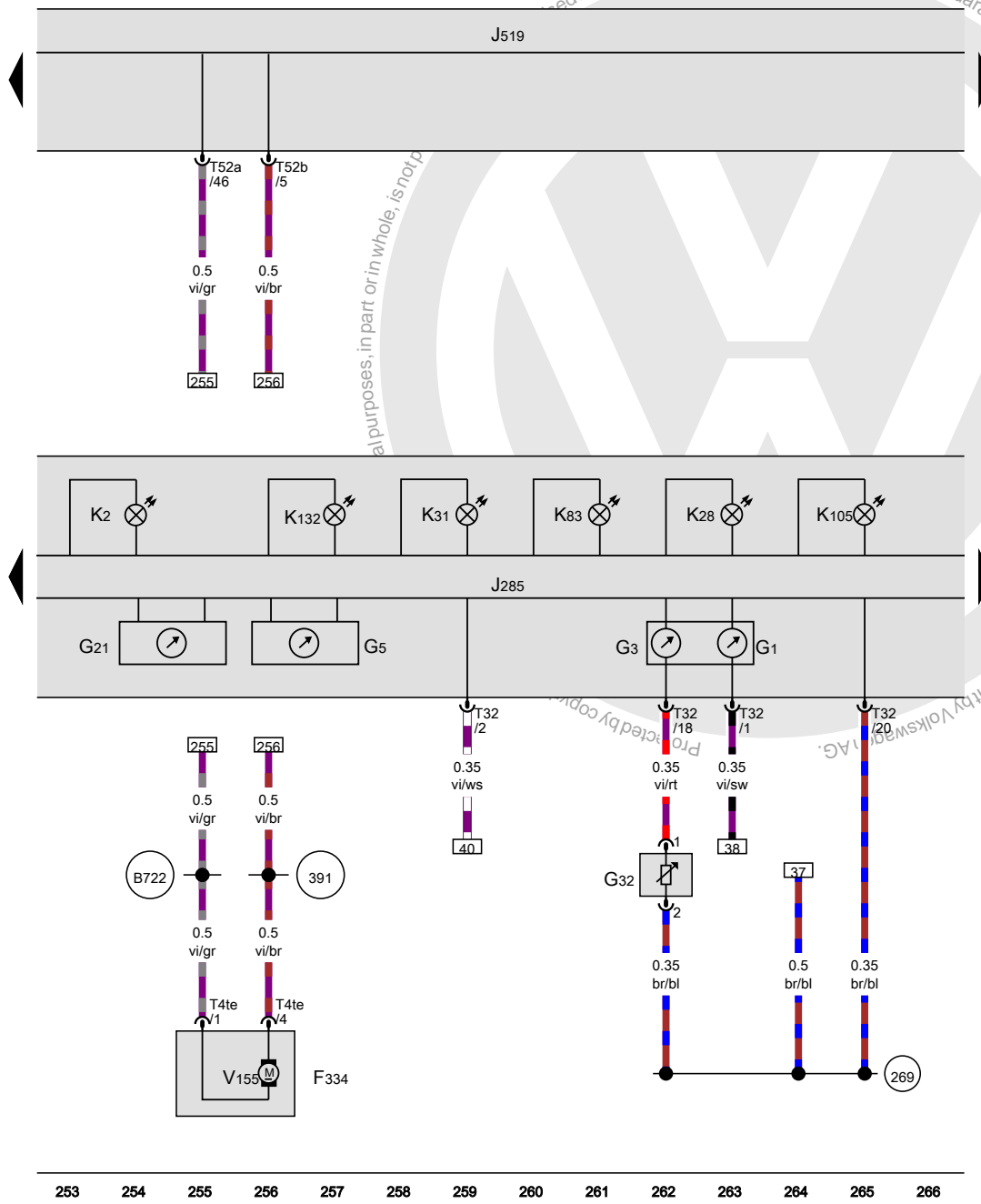
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

3383

3390

239 240 241 242 243 244 245 246 247 248 249 250 251 252

162-102190415



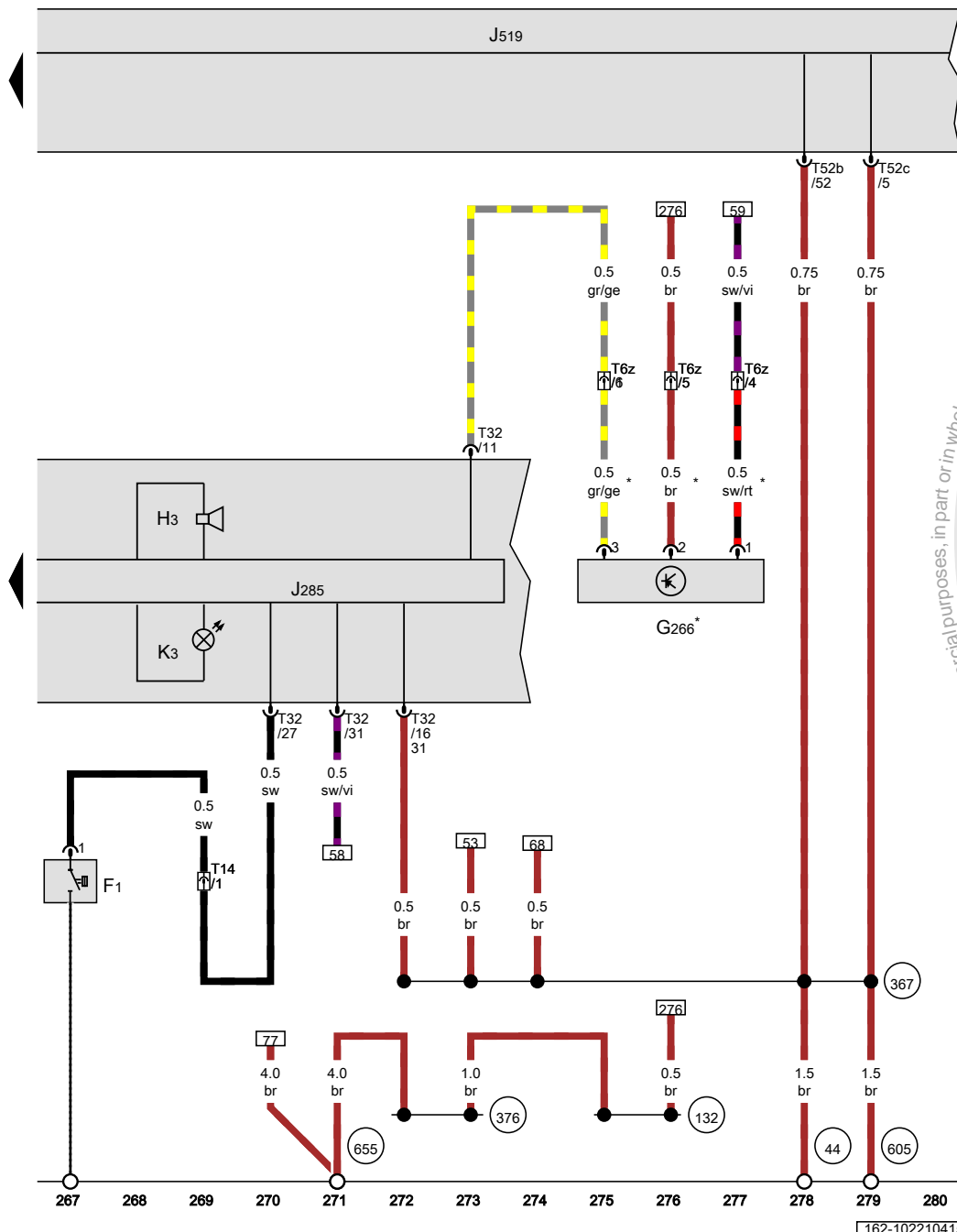
Fuel tank cap detection switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F334 Fuel tank cap detection switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T4te 4-pin connector
- T32 32-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Tank filler flap locking motor

- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 391 Earth connection 26, in main wiring harness
- B722 Connection 3 (central locking), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
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Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit



- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 44 Earth point, lower part of left A-pillar
- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight

* Only models with flexible service interval display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Convenience system High, right-hand drive , (L0R)

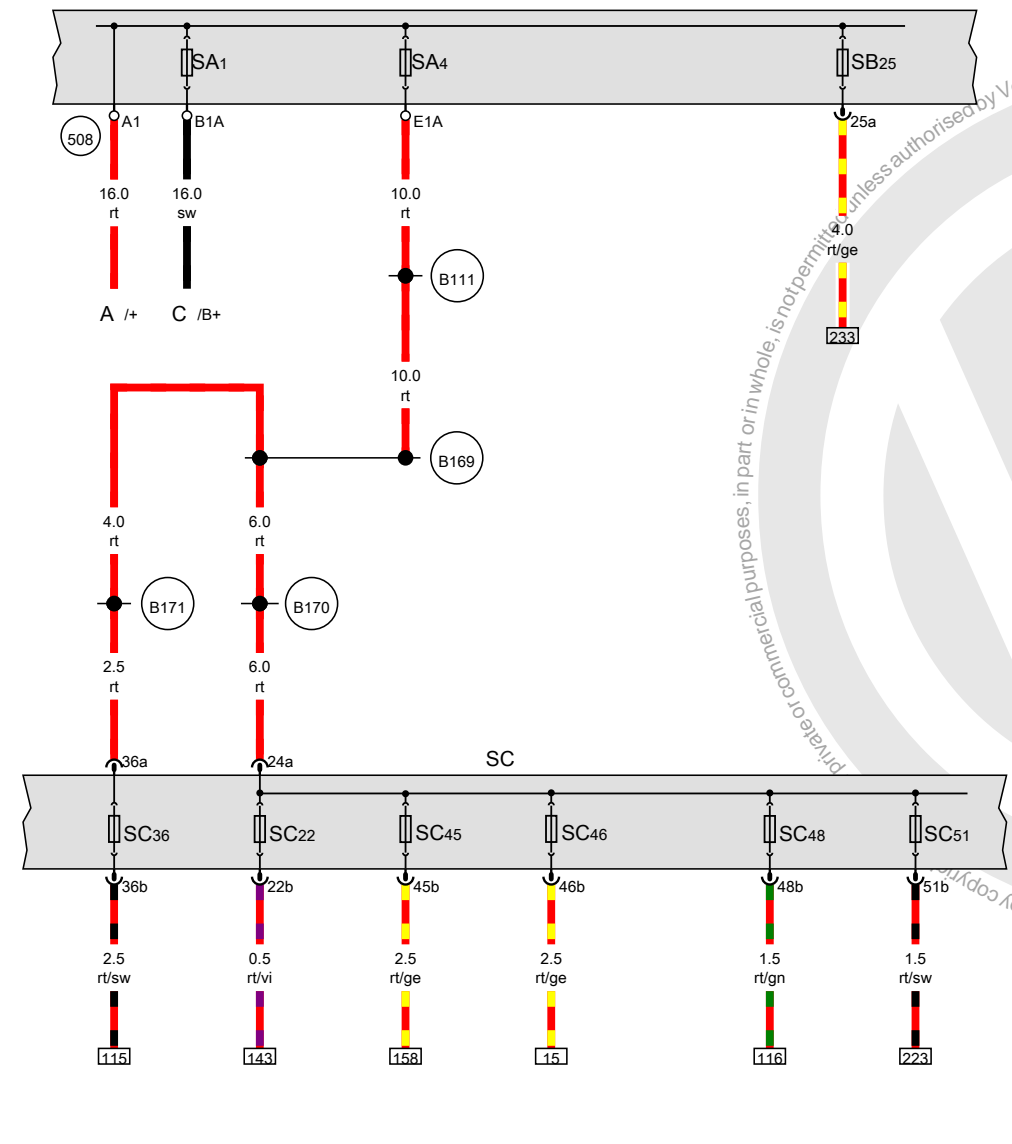
From June 2011



Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 25 on fuse holder B, Fuse holder C

- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C

- 508 Threaded connection (30) on E-box
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness



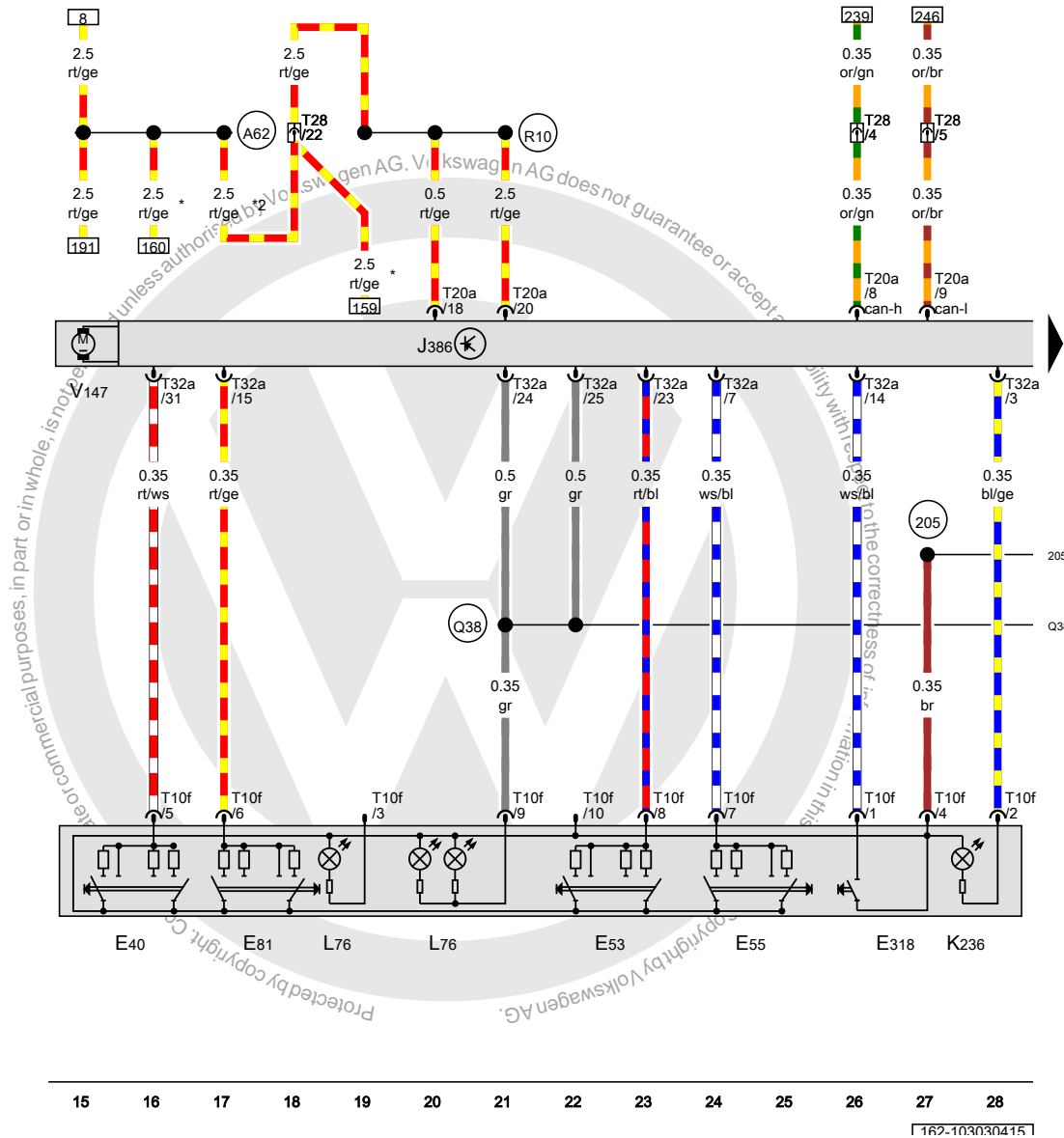
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = violet
- ge = yellow
- or = orange
- rs = pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

162-103020415

Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit

- E40 Front left window regulator switch
 - E53 Rear left window regulator switch, in driver door
 - E55 Rear right window regulator switch, in driver door
 - E81 Front right window regulator switch in driver door
 - E318 Childproof lock button
 - J386 Driver door control unit
 - K236 Warning light for activated childproof lock
 - L76 Button illumination bulb
 - T10f 10-pin connector
 - T20a 20-pin connector
 - T28 28-pin connector, lower part of A-pillar, driver side
 - T32a 32-pin connector
 - V147 Driver side window regulator motor
- 205 Earth connection, in driver door wiring harness
 - A62 Connection (window regulators), in dash panel wiring harness
 - Q38 Positive connection 1 (58b), in window regulator wiring harness
 - R10 Positive connection 1 (30), in driver door wiring harness
 - * Gradually discontinued
 - *2 gradual introduction



For commercial purposes, in part or in whole, is not permitted without the written consent of Volkswagen AG.

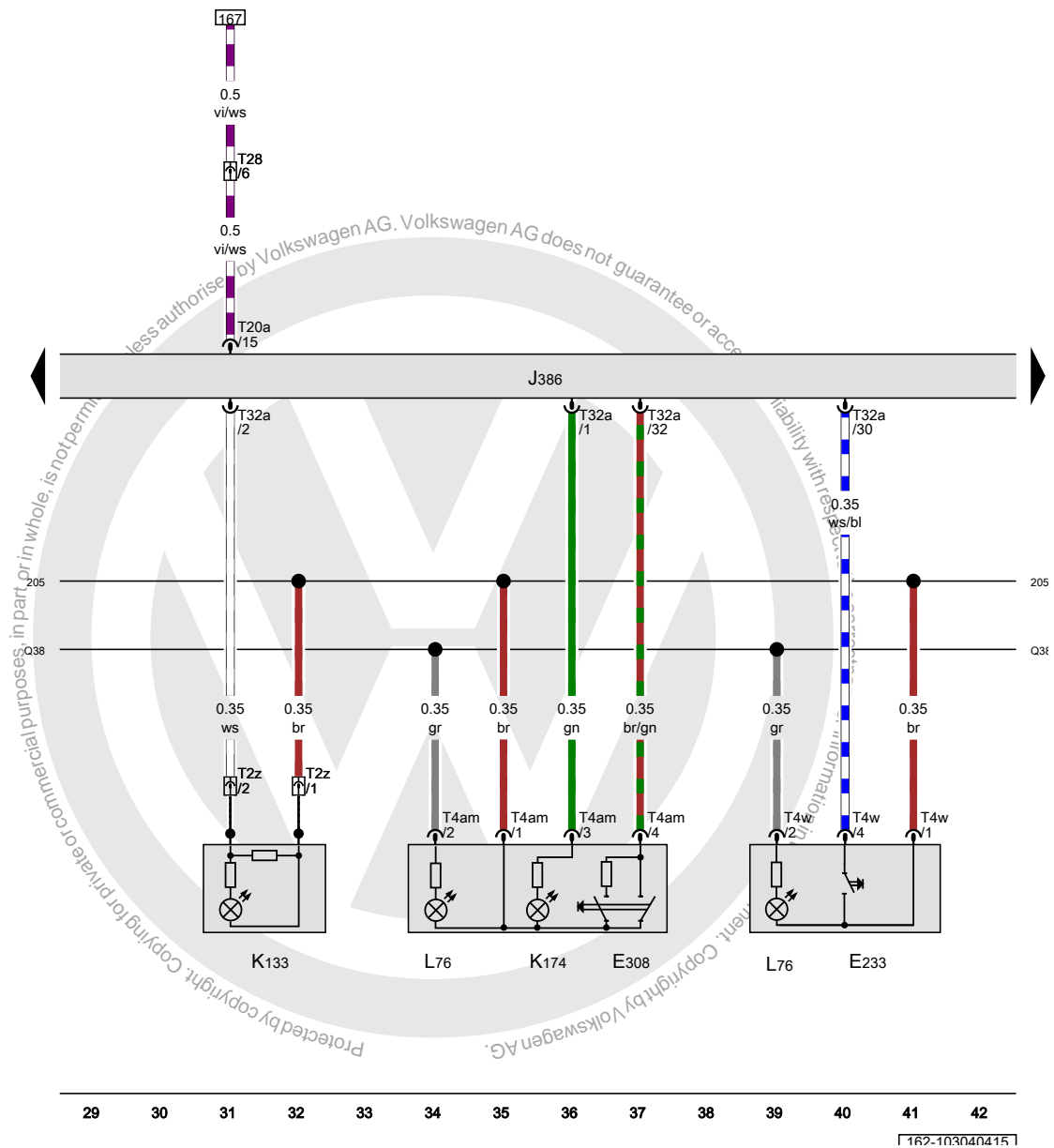
The correctness of the information in this document is not guaranteed.

Rear lid remote release button, Driver side interior locking button for central locking system, Driver door control unit, Central locking SAFELock function warning lamp

- E233 Rear lid remote release button
- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- K133 Central locking SAFELock function warning lamp
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2z 2-pin connector
- T4am 4-pin connector
- T4w 4-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector

205 Earth connection, in driver door wiring harness

Q38 Positive connection 1 (58b), in window regulator wiring harness

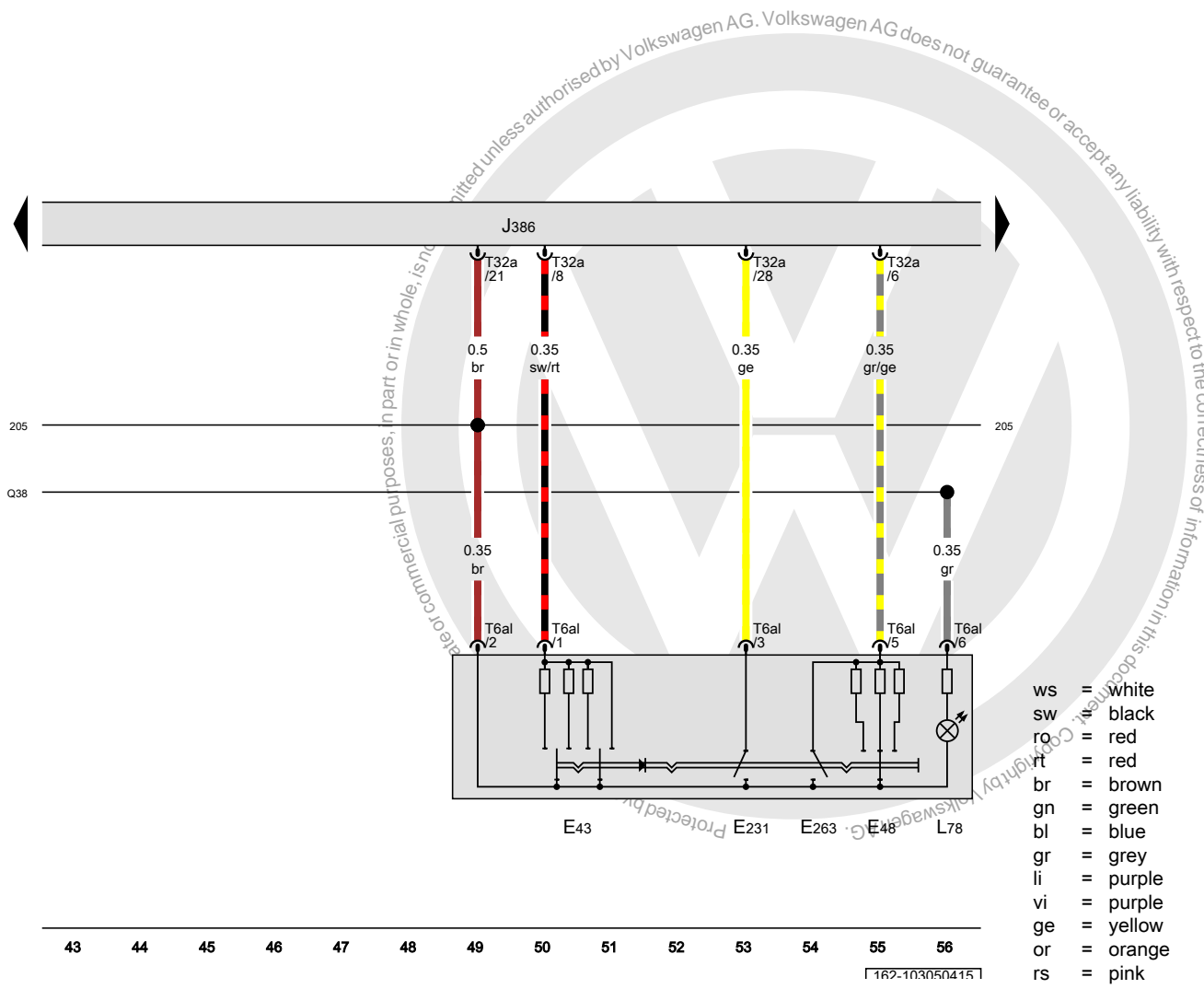


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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Fold-in mirror switch, Driver door control unit, Mirror adjustment switch illumination bulb

- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E263 Fold-in mirror switch
- J386 Driver door control unit
- L78 Mirror adjustment switch illumination bulb
- T6al 6-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness

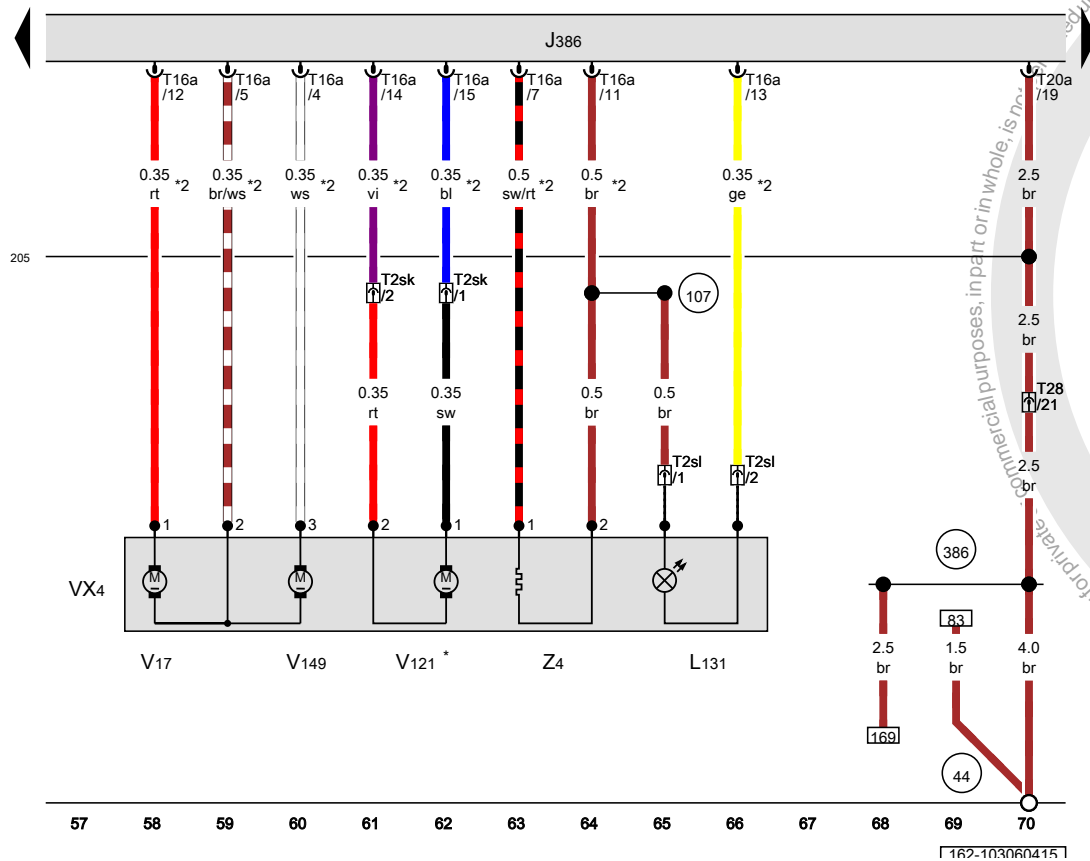


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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Driver door control unit, Driver side exterior mirror, Driver side fold-in mirror motor, Driver side mirror adjustment motor

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T2sk 2-pin connector, in driver side exterior mirror housing
- T2sl 2-pin connector, in driver side exterior mirror housing
- T16a 16-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

- 44 Earth point, lower part of left A-pillar
- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- * According to equipment
- *2 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-103060415

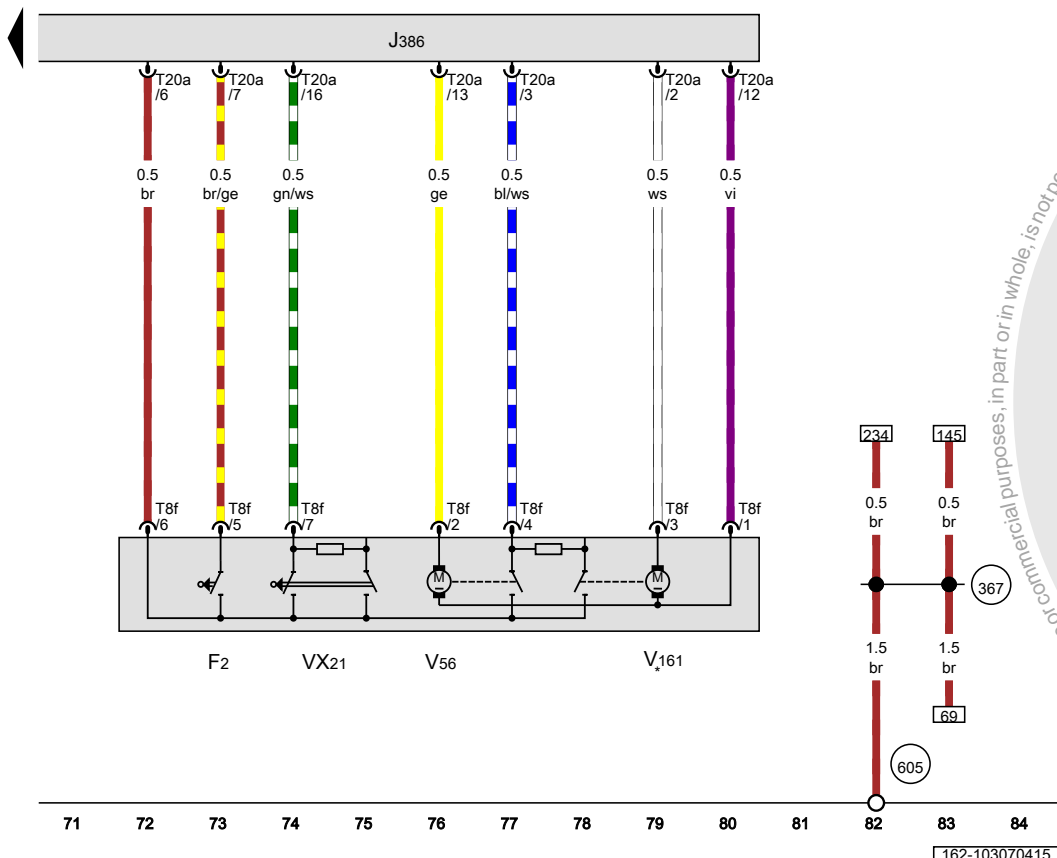
Driver door contact switch, Driver door control unit, Driver door lock unit, Driver door central locking motor

- F2 Driver door contact switch
- J386 Driver door control unit
- T8f 8-pin connector
- T20a 20-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

367 Earth connection 2, in main wiring harness

605 Earth point, on top end of steering column

* According to equipment



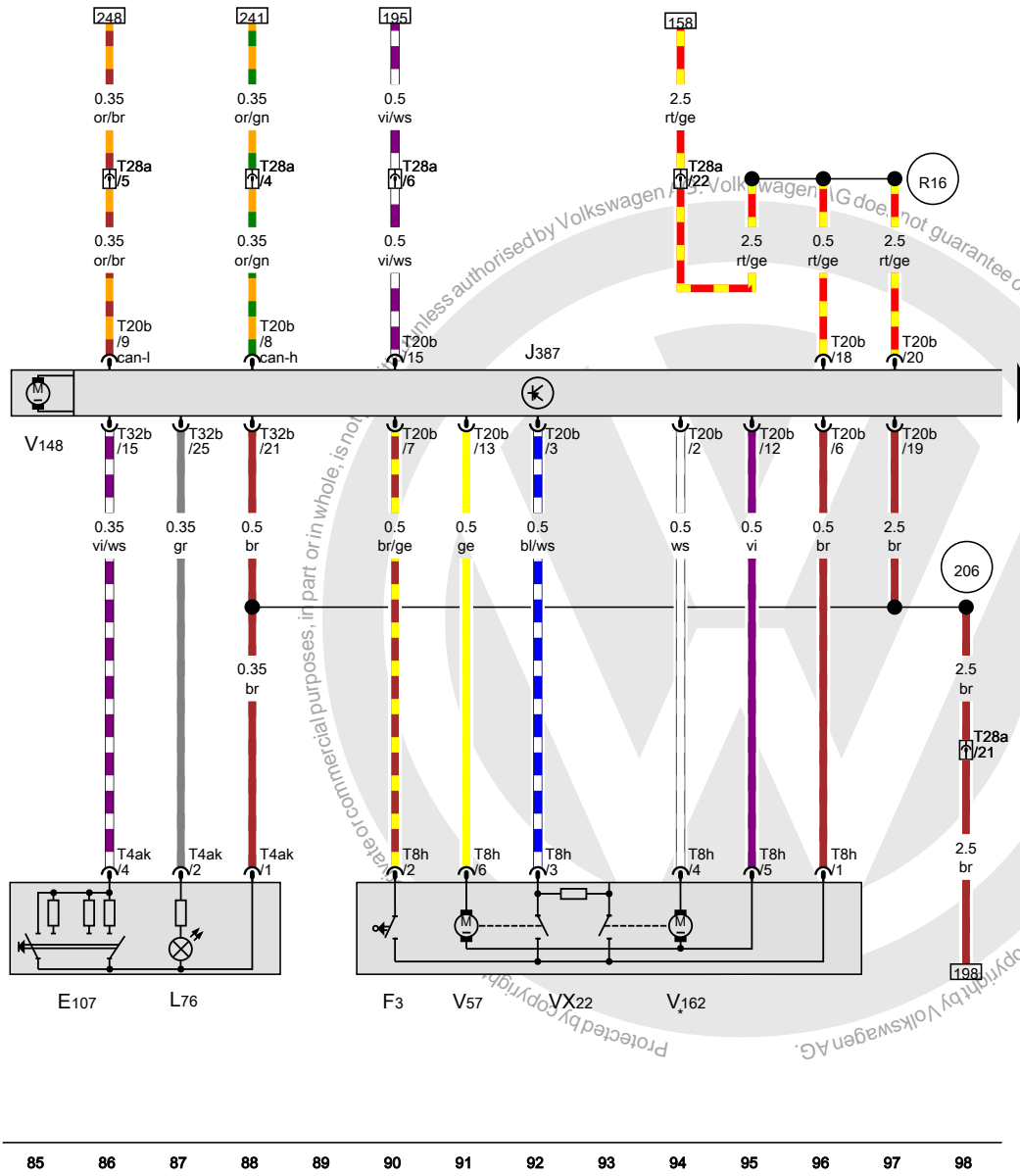
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-1030704151

Window regulator switch in front passenger door, Front passenger door contact switch, Front passenger door control unit, Front passenger door lock unit, Front passenger seat central locking motor, Front passenger side window regulator motor

- E107 Window regulator switch in front passenger door
- F3 Front passenger door contact switch
- J387 Front passenger door control unit
- L76 Button illumination bulb
- T4ak 4-pin connector
- T8h 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32b 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor
- V148 Front passenger side window regulator motor
- V162 Front passenger door central locking SAFELOCK function motor

- 206 Earth connection, in front passenger door wiring harness
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * According to equipment



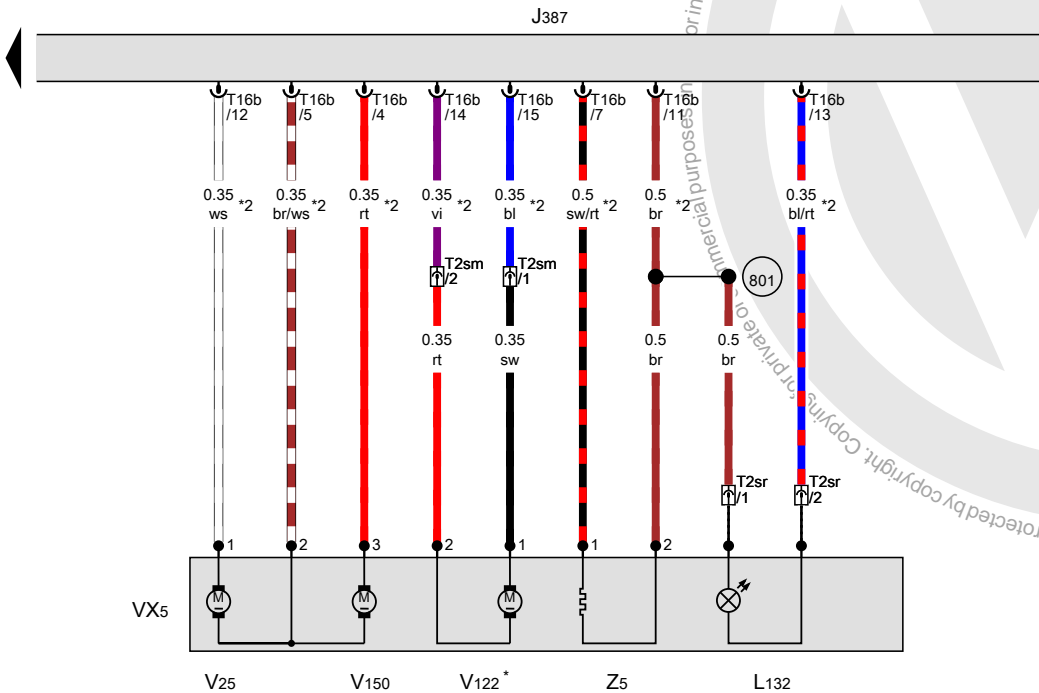
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Front passenger door control unit, Front passenger side exterior mirror, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

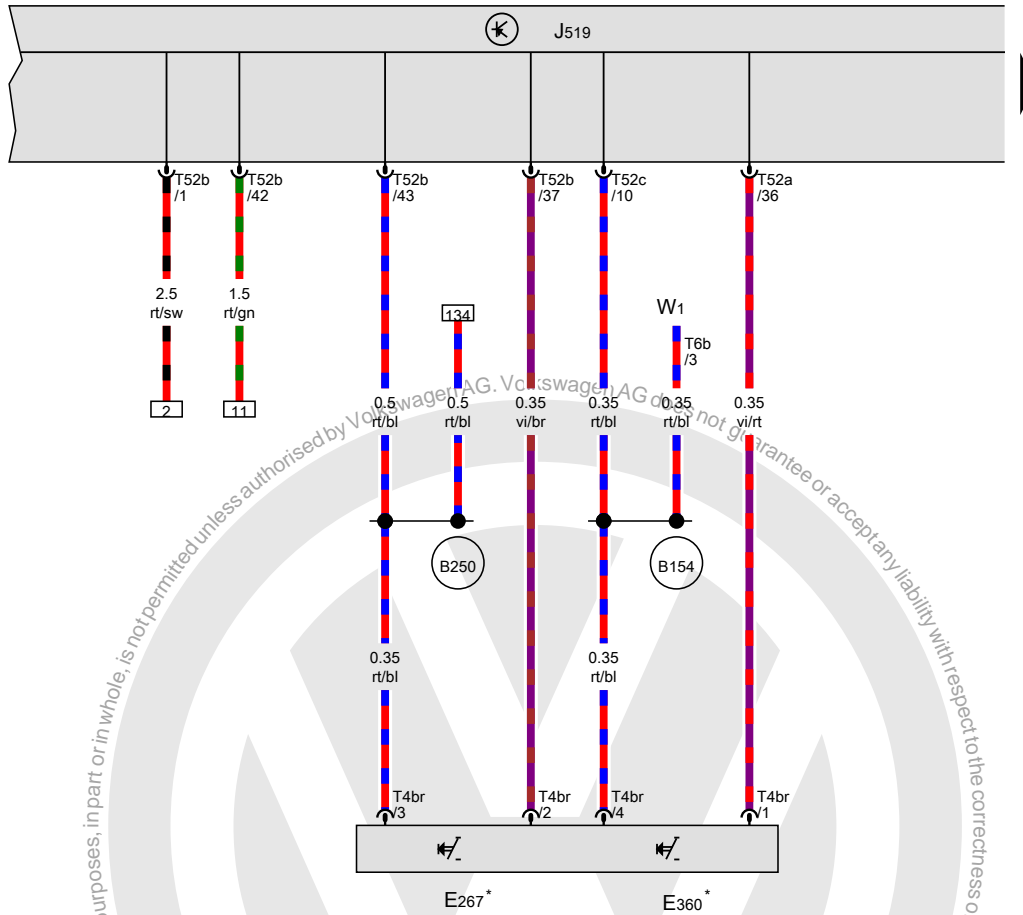
- J387 Front passenger door control unit
- L132 Front passenger side turn signal repeater bulb
- T2sm 2-pin connector, in front passenger side exterior mirror housing
- T2sr 2-pin connector, in front passenger side exterior mirror housing
- T16b 16-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

801 Earth connection 2, in external mirror wiring harness, in right door, near exterior mirror

* According to equipment
 *2 Wiring colour depends on equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Interior monitoring deactivation switch, Deactivation button for vehicle inclination sender, Onboard supply control unit, Front interior light

- E267 Interior monitoring deactivation switch
- E360 Deactivation button for vehicle inclination sender
- J519 Onboard supply control unit
- T4br 4-pin connector
- T6b 6-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light

B154 Connection 1 (DCt), in interior wiring harness

B250 Positive connection, in roof wiring harness

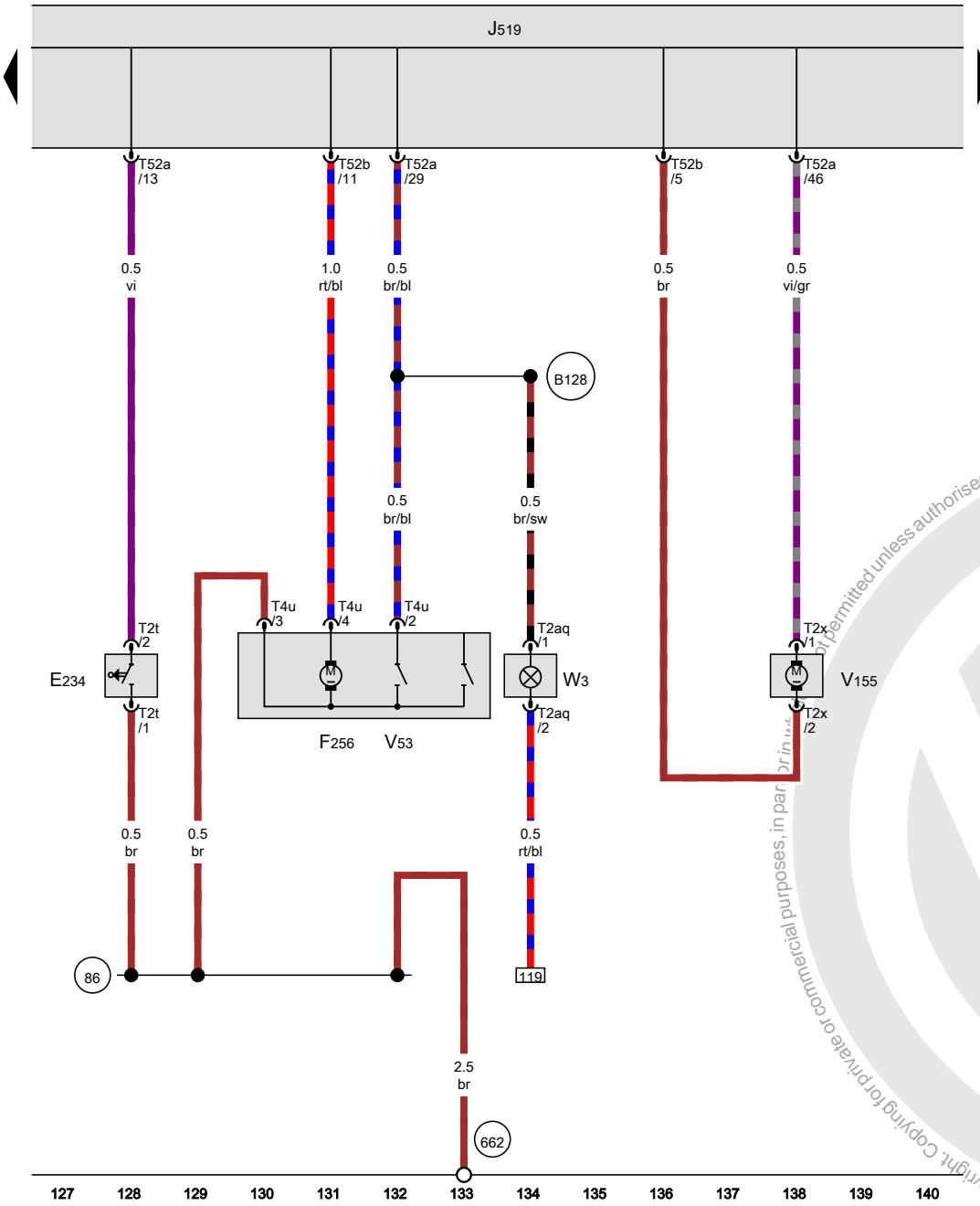
* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, Rear lid central locking motor, Tank filler flap locking motor, Luggage compartment light

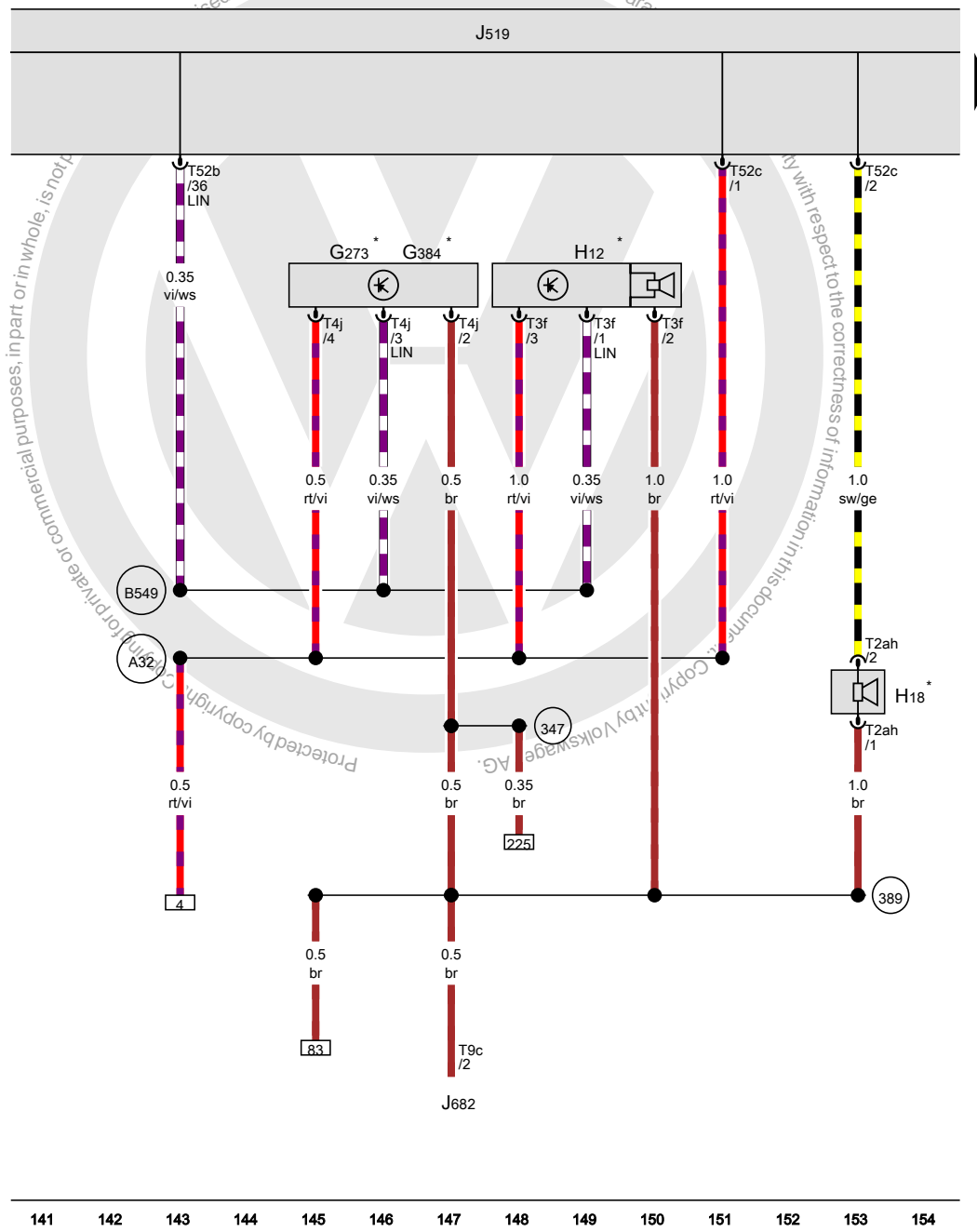
- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2t 2-pin connector
- T2x 2-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V53 Rear lid central locking motor
- V155 Tank filler flap locking motor
- W3 Luggage compartment light

- 86 Earth connection 1, in rear wiring harness
- 662 Earth point, rear left side panel
- B128 Connection (luggage compartment light), in interior wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-103110415



Interior monitoring sensor, Vehicle inclination sender, Alarm horn, Onboard supply control unit

- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- H12 Alarm horn
- H18 Alarm system horn
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- T2ah 2-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T9c 9-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 347 Earth connection, in roof wiring harness
- 389 Earth connection 24, in main wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

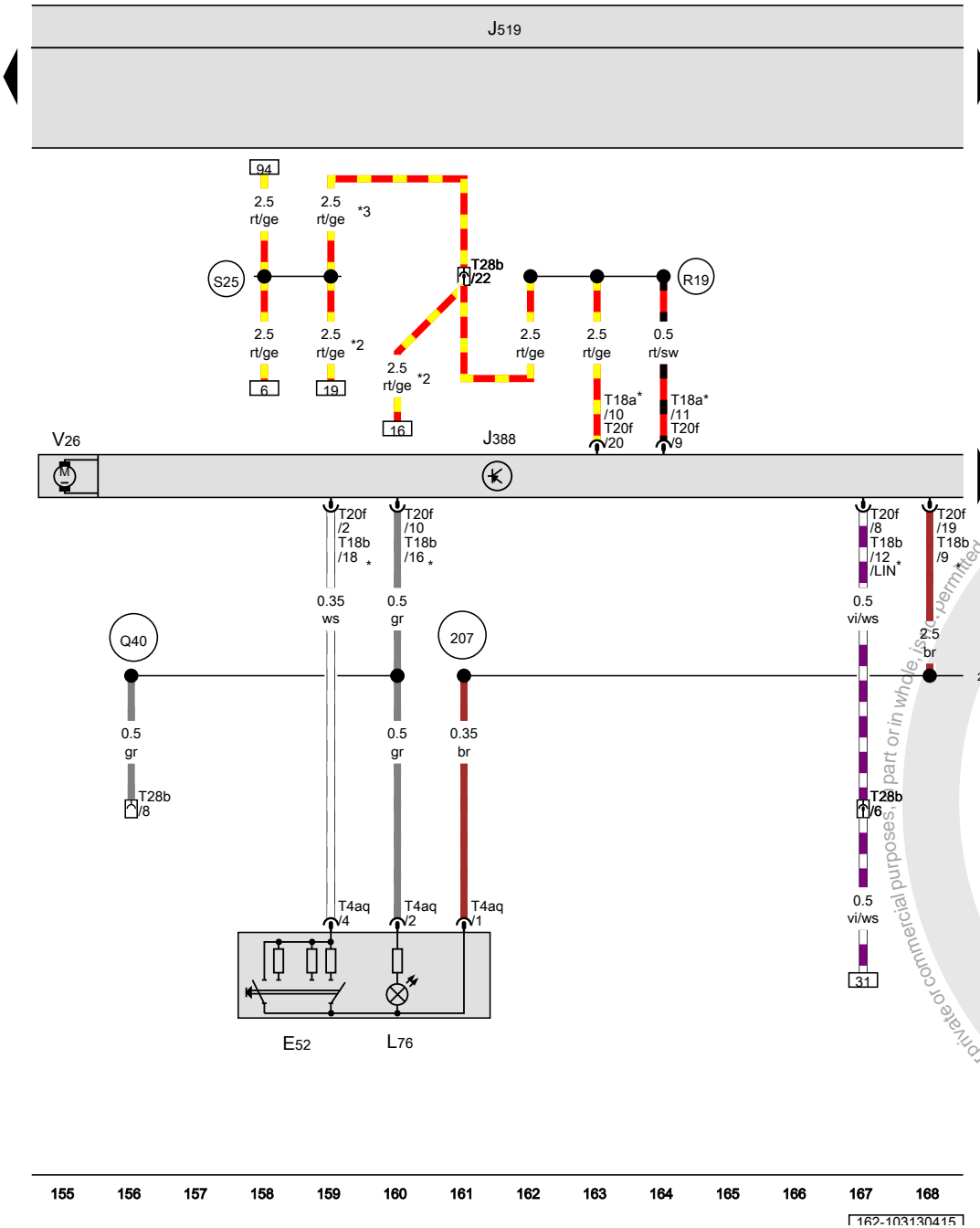
141 142 143 144 145 146 147 148 149 150 151 152 153 154

162-103120415

Rear left window regulator switch, in door, Rear left door control unit, Onboard supply control unit, Rear left window regulator motor

- E52 Rear left window regulator switch, in door
- J388 Rear left door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4aq 4-pin connector
- T18a 18-pin connector
- T20f 20-pin connector
- T28b 28-pin connector, on left B-pillar
- V26 Rear left window regulator motor

- (207) Earth connection, in rear left door wiring harness
- (Q40) Positive connection 3 (58b), in window regulator wiring harness
- (R19) Positive connection 1 (30), in rear left door wiring harness
- (S25) Positive connection (30a), in central locking wiring harness
- * According to equipment
- *2 Gradually discontinued
- *3 gradual introduction

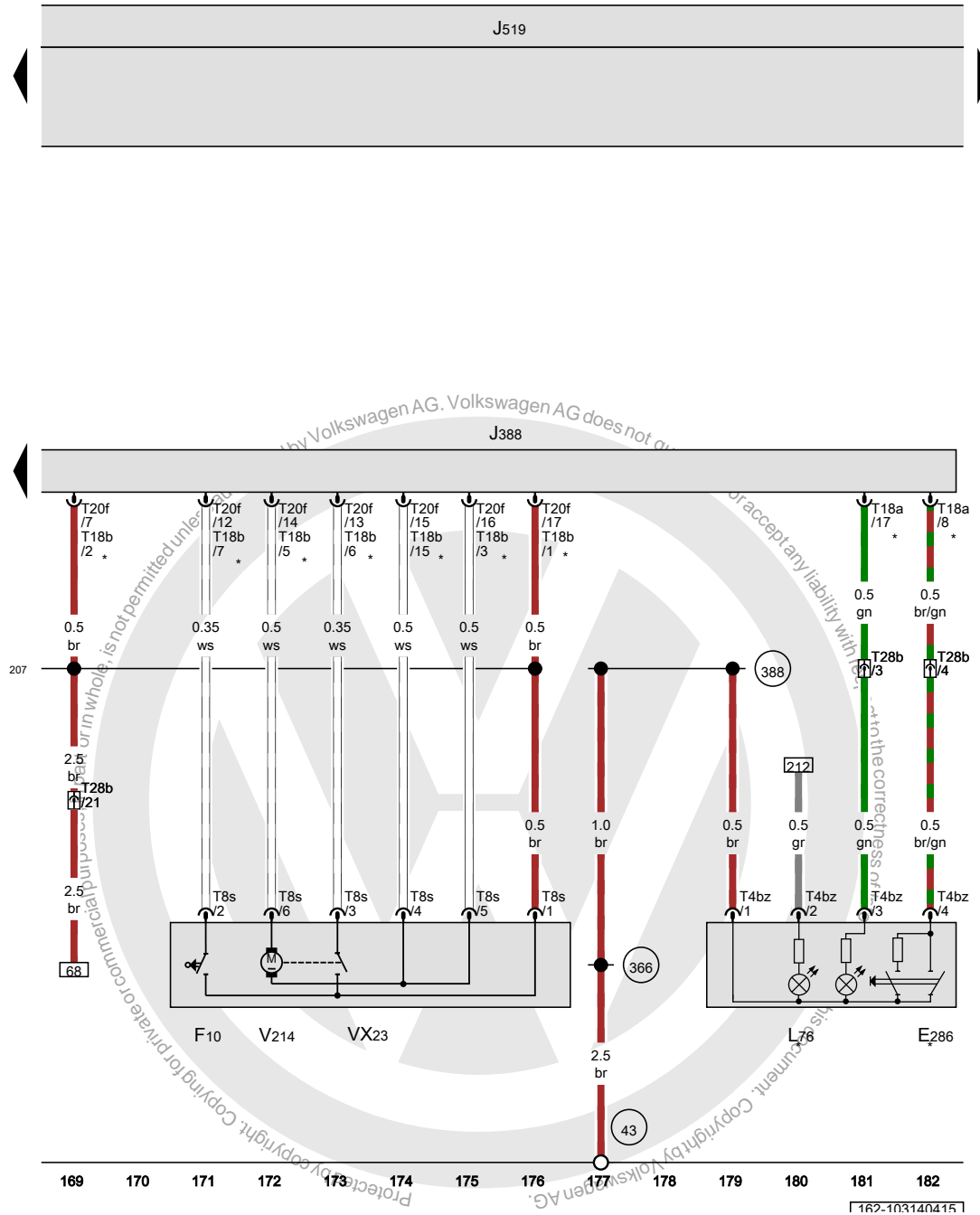


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear central switch for interior locking, Rear left door contact switch, Rear left door control unit, Onboard supply control unit, Rear left door lock unit, Rear left door central locking motor, lock

- E286 Rear central switch for interior locking
- F10 Rear left door contact switch
- J388 Rear left door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4bz 4-pin connector
- T8s 8-pin connector
- T18a 18-pin connector
- T20f 20-pin connector
- T28b 28-pin connector, on left B-pillar
- VX23 Rear left door lock unit
- V214 Rear left door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 207 Earth connection, in rear left door wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- * According to equipment

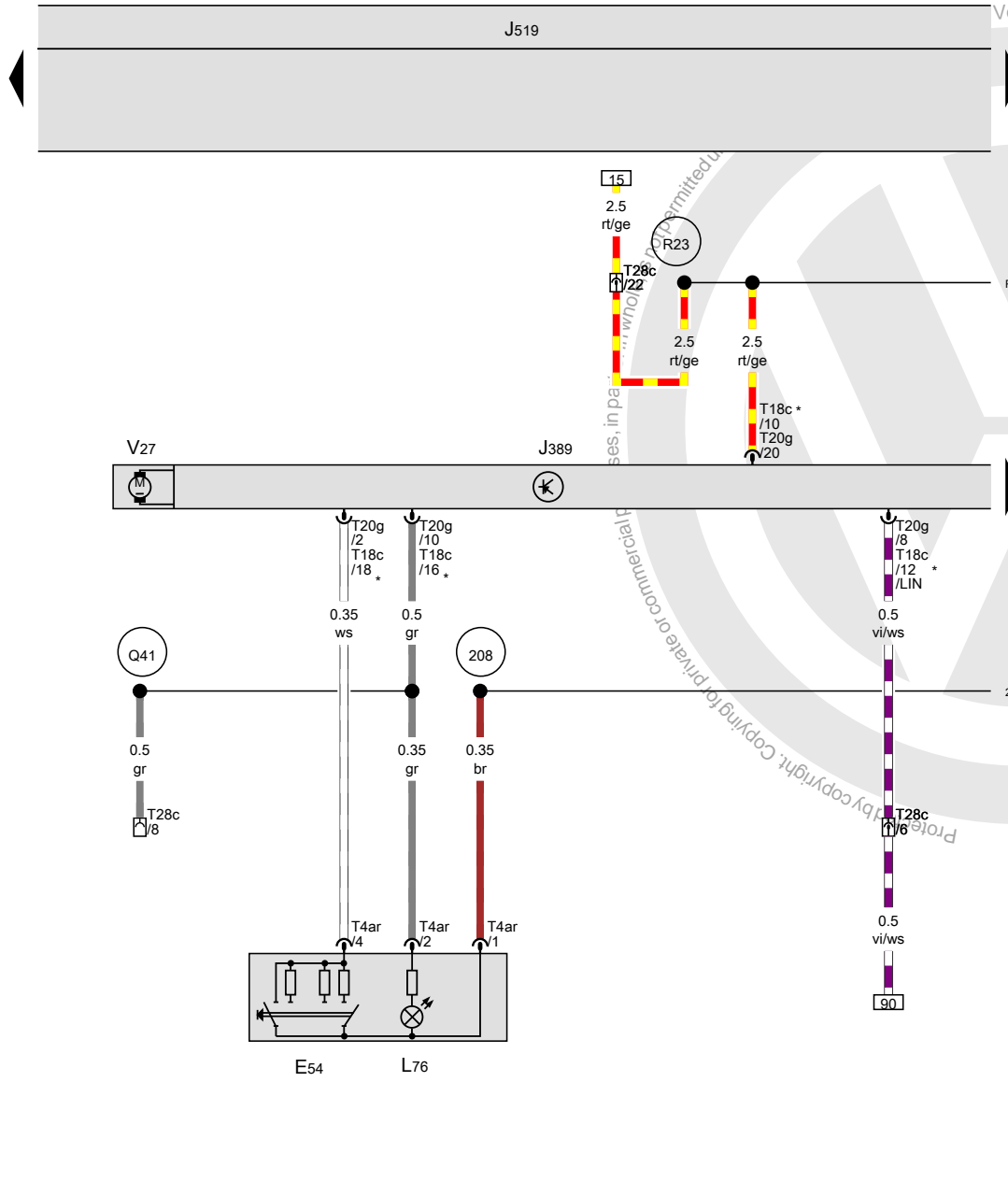


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

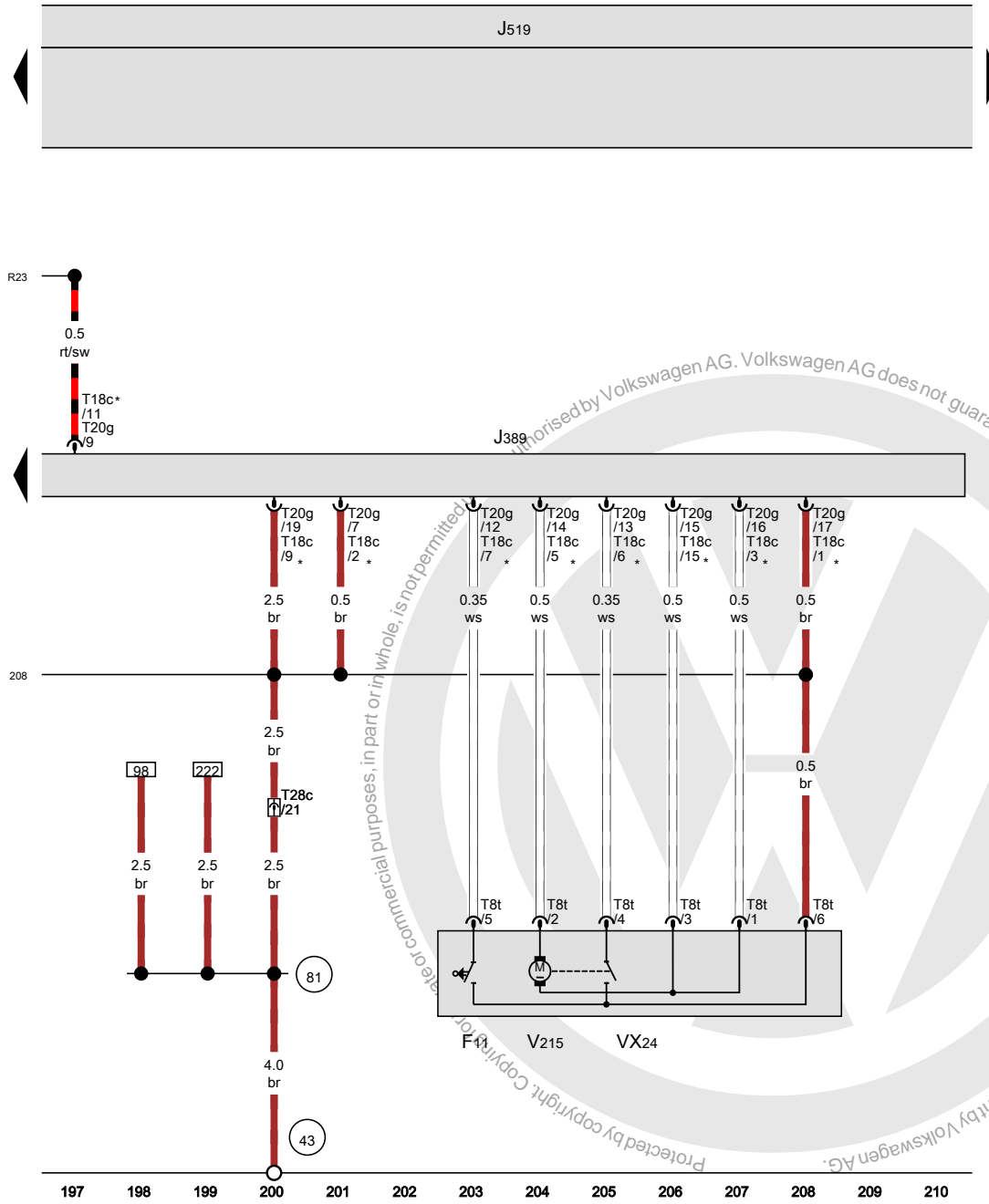
Rear right window regulator switch, in door, Rear right door control unit, Onboard supply control unit, Rear right window regulator motor

- E54 Rear right window regulator switch, in door
- J389 Rear right door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T18c 18-pin connector
- T20g 20-pin connector
- T28c 28-pin connector, on right B-pillar
- V27 Rear right window regulator motor

- 208 Earth connection, in rear right door wiring harness
- Q41 Positive connection 4 (58b), in window regulator wiring harness
- R23 Positive connection 1 (30), in rear right door wiring harness
- * According to equipment



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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear right door contact switch, Rear right door control unit, Onboard supply control unit, Rear right door lock unit, Rear right door central locking motor, lock

- F11 Rear right door contact switch
- J389 Rear right door control unit
- J519 Onboard supply control unit
- T8t 8-pin connector
- T18c 18-pin connector
- T20g 20-pin connector
- T28c 28-pin connector, on right B-pillar
- VX24 Rear right door lock unit
- V215 Rear right door central locking motor, lock

- (43) Earth point, lower part of right A-pillar
- (81) Earth connection 1, in dash panel wiring harness
- (208) Earth connection, in rear right door wiring harness
- (R23) Positive connection 1 (30), in rear right door wiring harness

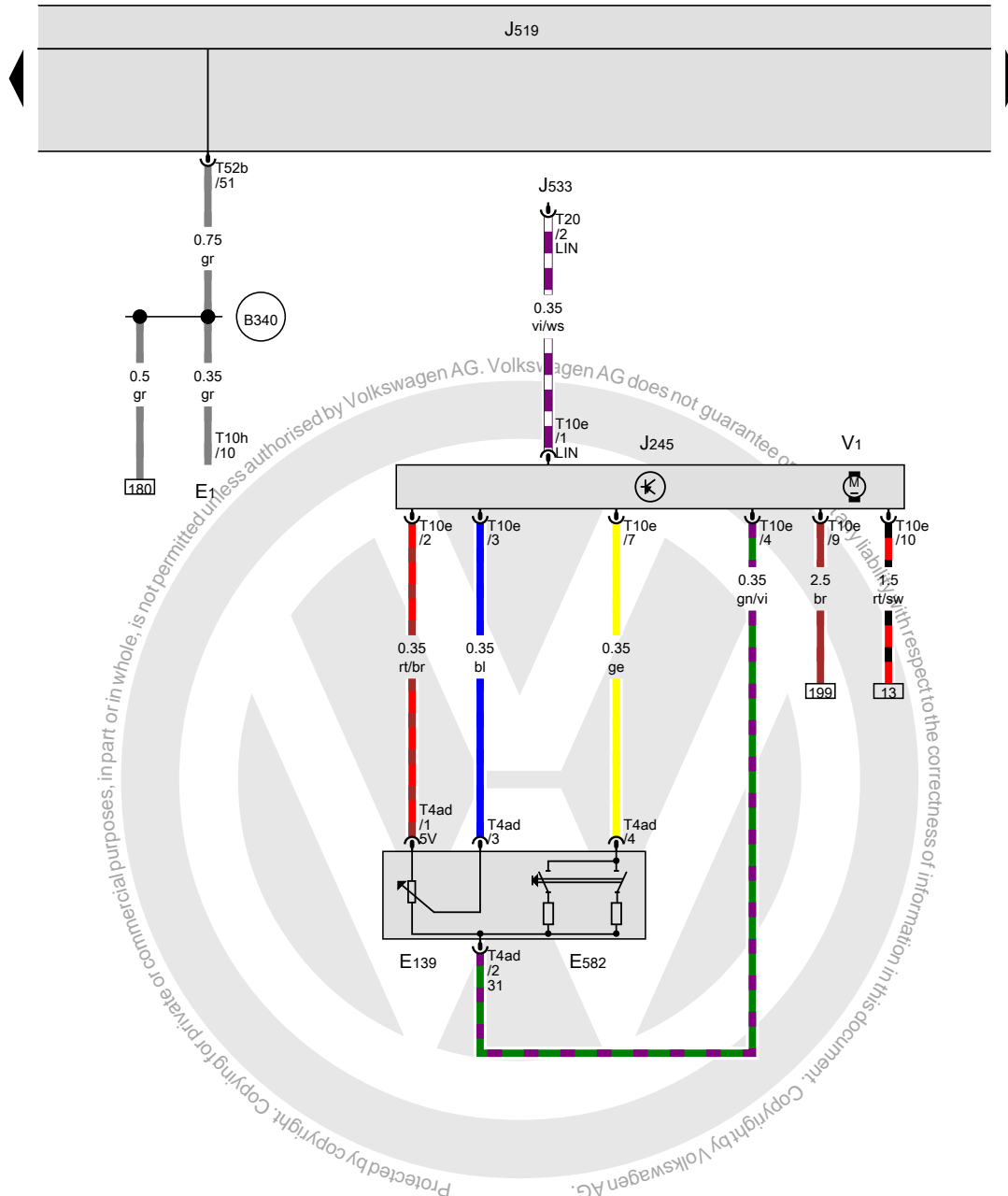
* According to equipment

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Sliding sunroof adjustment regulator, Button 1 for tilting roof, Sliding sunroof adjustment control unit, Onboard supply control unit, Sliding sunroof motor

- E1 Light switch
- E139 Sliding sunroof adjustment regulator
- E582 Button 1 for tilting roof
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T4ad 4-pin connector
- T10e 10-pin connector
- T10h 10-pin connector
- T20 20-pin connector
- T52b 52-pin connector
- V1 Sliding sunroof motor

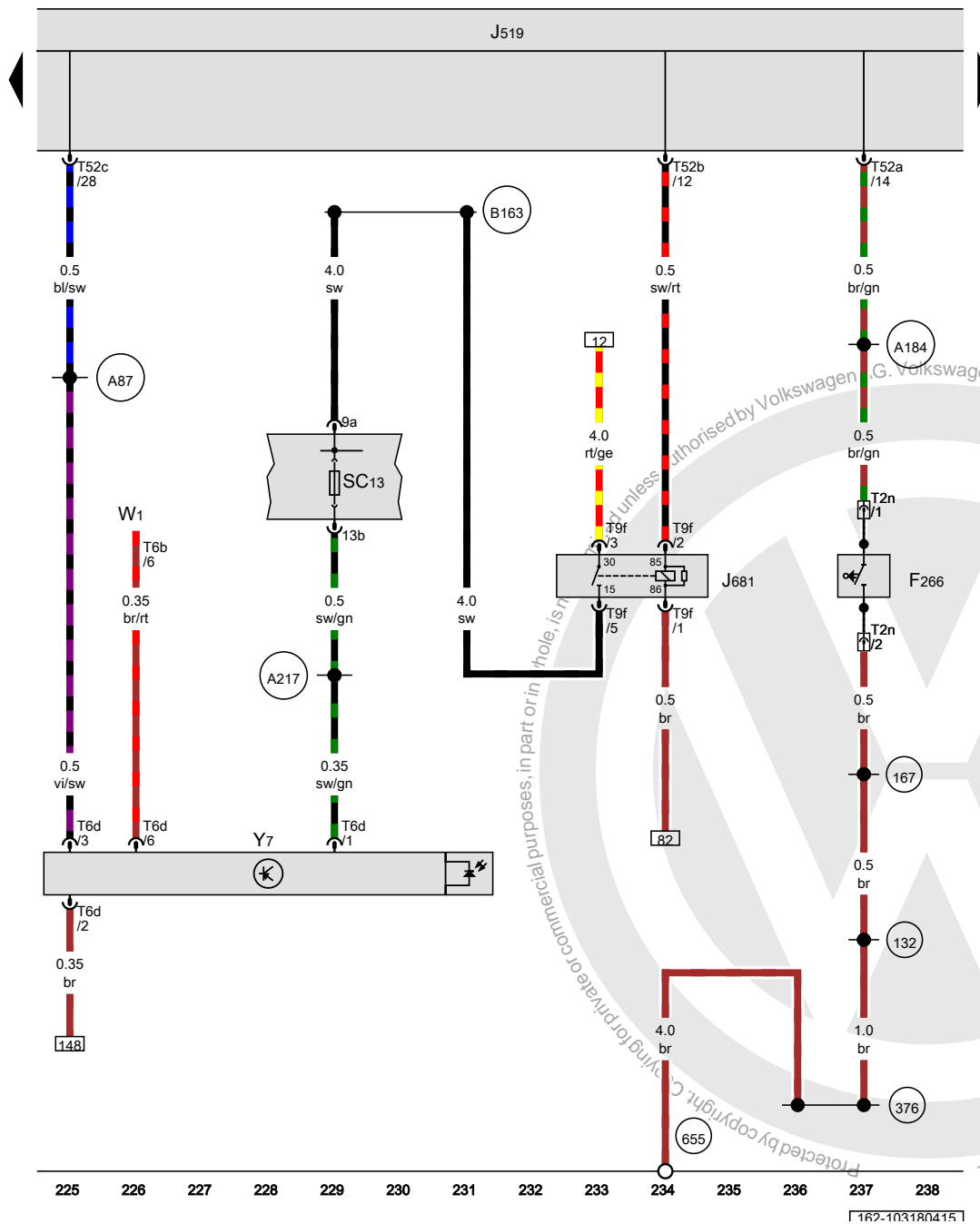
B340 Connection 1 (58d), in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

[162-103170415]





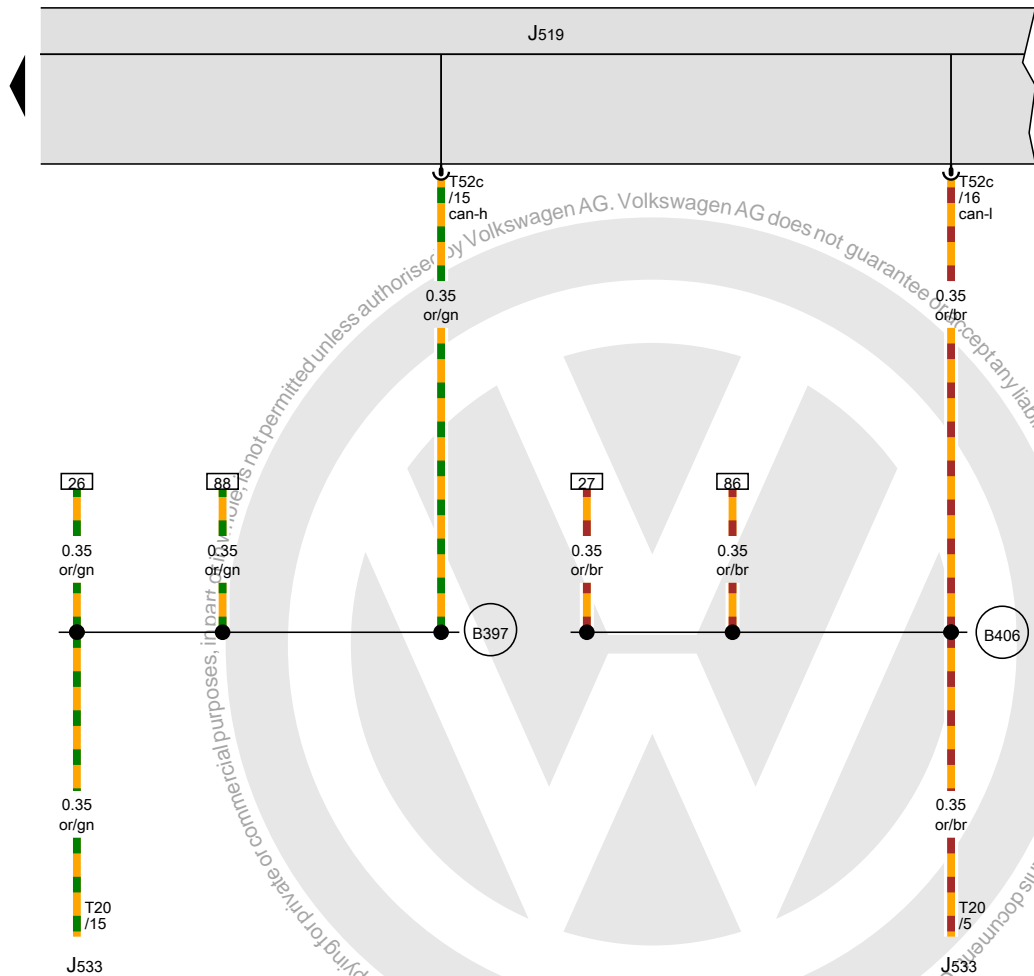
Bonnet contact switch, Onboard supply control unit, Terminal 15 voltage supply relay 2, Automatic anti-dazzle interior mirror

- F266 Bonnet contact switch
 - J519 Onboard supply control unit
 - J681 Terminal 15 voltage supply relay 2
 - SC13 Fuse 13 on fuse holder C
 - T2n 2-pin connector
 - T6b 6-pin connector
 - T6d 6-pin connector
 - T9f 9-pin connector
 - T52a 52-pin connector
 - T52b 52-pin connector
 - T52c 52-pin connector
 - W1 Front interior light
 - Y7 Automatic anti-dazzle interior mirror
- (132) Earth connection 3, in engine compartment wiring harness
 - (167) Earth connection 4, in engine compartment wiring harness
 - (376) Earth connection 11, in main wiring harness
 - (655) Earth point, on left headlight
 - (A87) Connection (RL), in dash panel wiring harness
 - (A184) Connection (bonnet contact switch), in dash panel wiring harness
 - (A217) Positive connection 8 (15a) in dash panel wiring harness
 - (B163) Positive connection 1 (15), in interior wiring harness

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector
- T52c 52-pin connector
-  B397 Connection 1 (convenience CAN bus, high), in main wiring harness
-  B406 Connection 1 (convenience CAN bus, low), in main wiring harness



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- vi = purple
- ge = yellow
- or = orange
- rs = pink

239 240 241 242 243 244 245 246 247 248 249 250 251 252

162-103190415

Convenience system with rear manually operated window regulators , (4R8)

From June 2012



Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse holder C

- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC48 Fuse 48 on fuse holder C

508 Threaded connection (30) on E-box

B111 Positive connection 1 (30a), in interior wiring harness

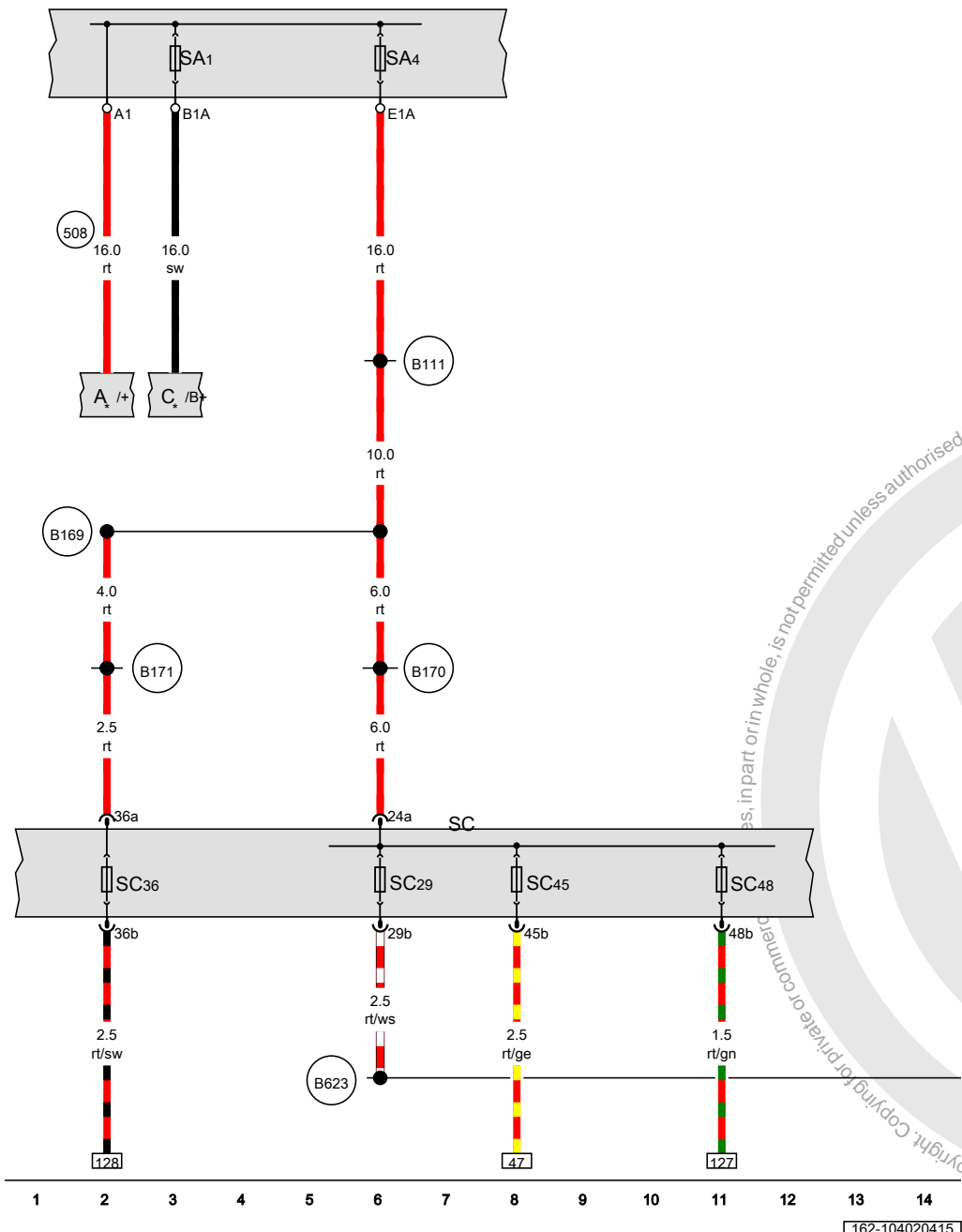
B169 Positive connection 1 (30), in interior wiring harness

B170 Positive connection 2 (30), in interior wiring harness

B171 Positive connection 3 (30), in interior wiring harness

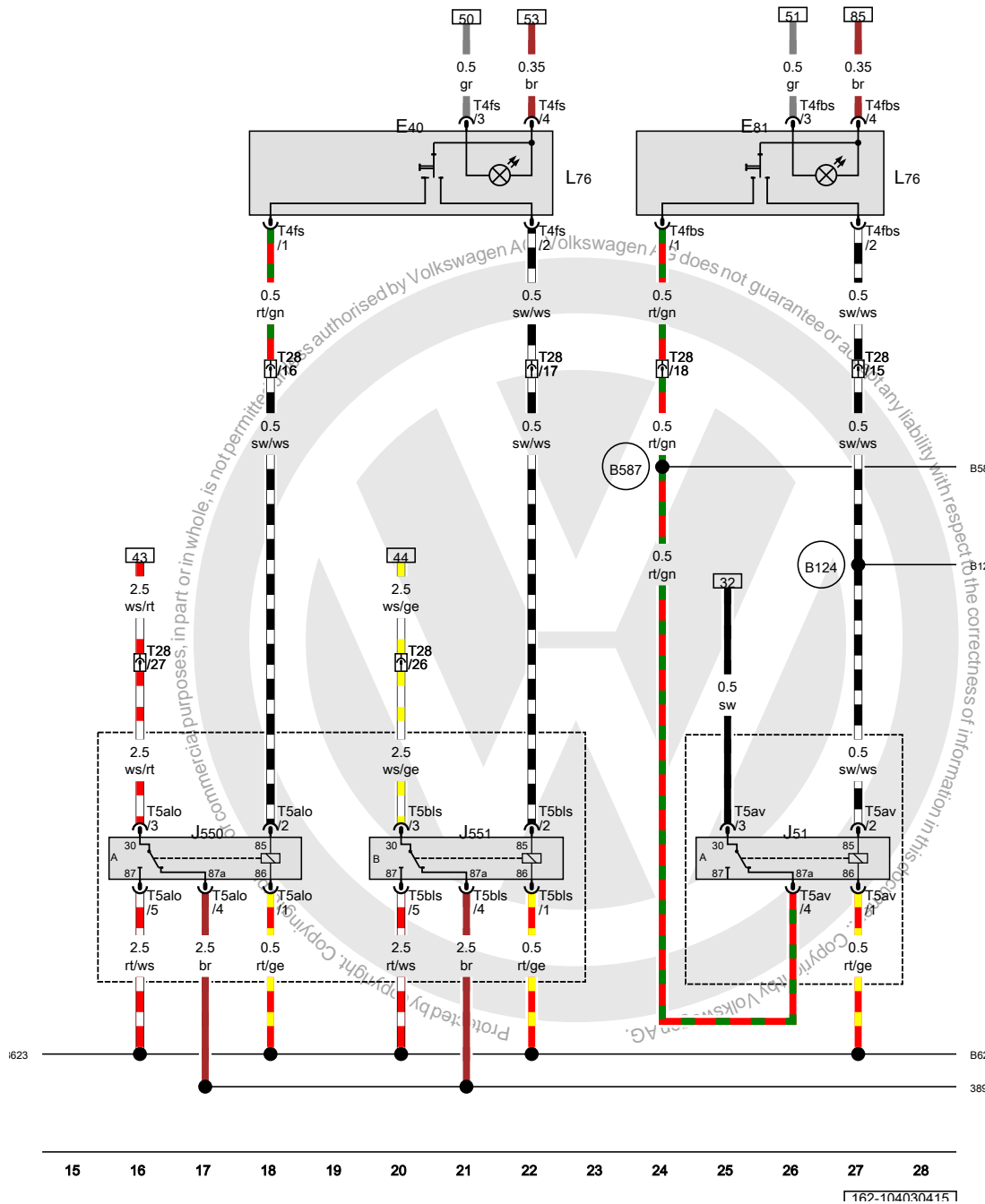
B623 Connection 1 (75x), in main wiring harness

* Only models with no hybrid drive system



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

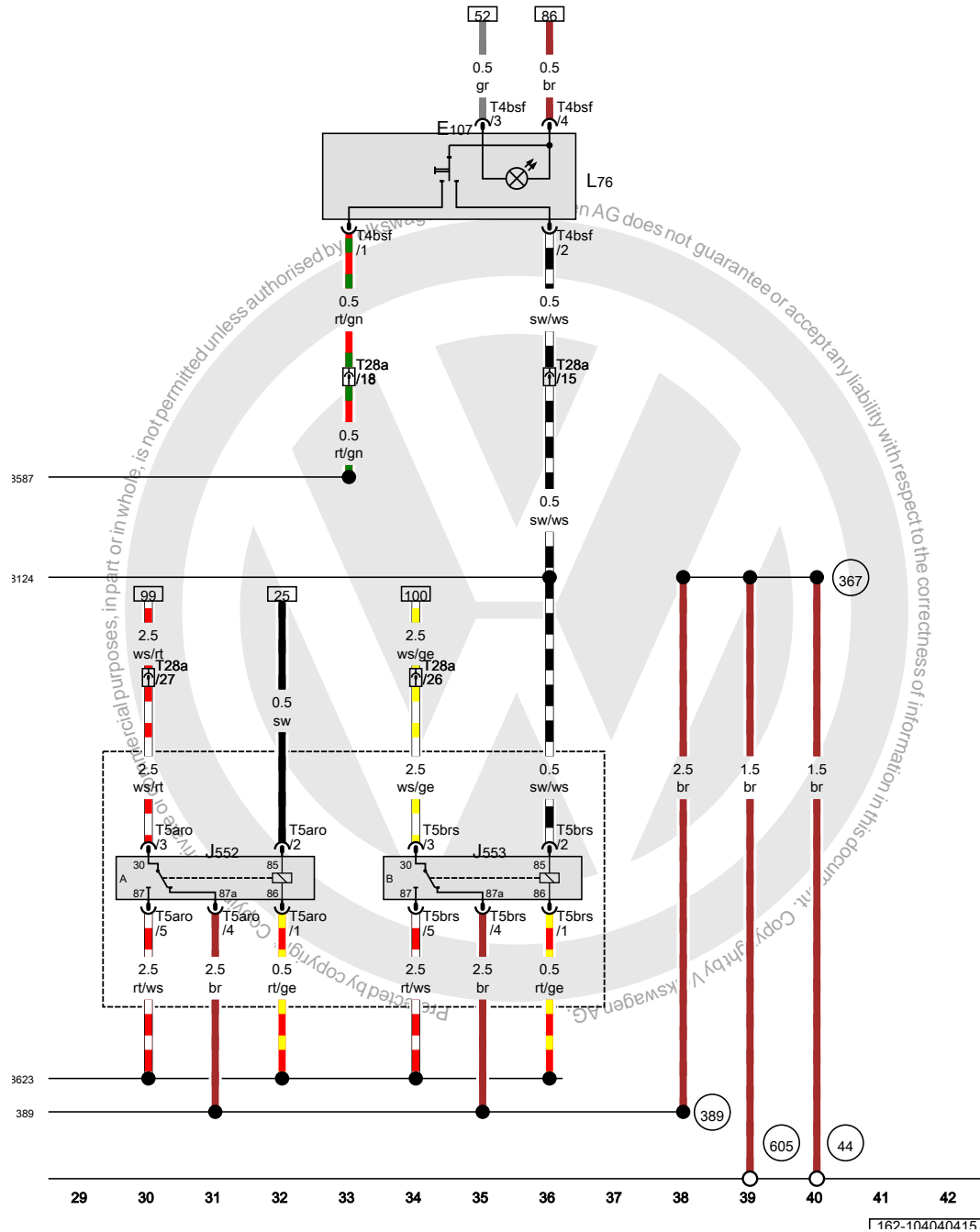
Front left window regulator switch, Front right window regulator switch in driver door, Window regulator relay, Open window regulator relay, driver side, Close window regulator relay, driver side



- E40 Front left window regulator switch
- E81 Front right window regulator switch in driver door
- J51 Window regulator relay, on relay carrier under dash panel, driver side
- J550 Open window regulator relay, driver side, on relay carrier under dash panel, driver side
- J551 Close window regulator relay, driver side, on relay carrier under dash panel, driver side
- L76 Button illumination bulb
- T4fbs 4-pin connector
- T4fs 4-pin connector
- T5alo 5-pin connector
- T5av 5-pin connector
- T5bls 5-pin connector
- T28 28-pin connector

- 389 Earth connection 24, in main wiring harness
- B124 Connection (85, window regulators), in interior wiring harness
- B587 Positive connection 7 (87), in interior wiring harness
- B623 Connection 1 (75x), in main wiring harness

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



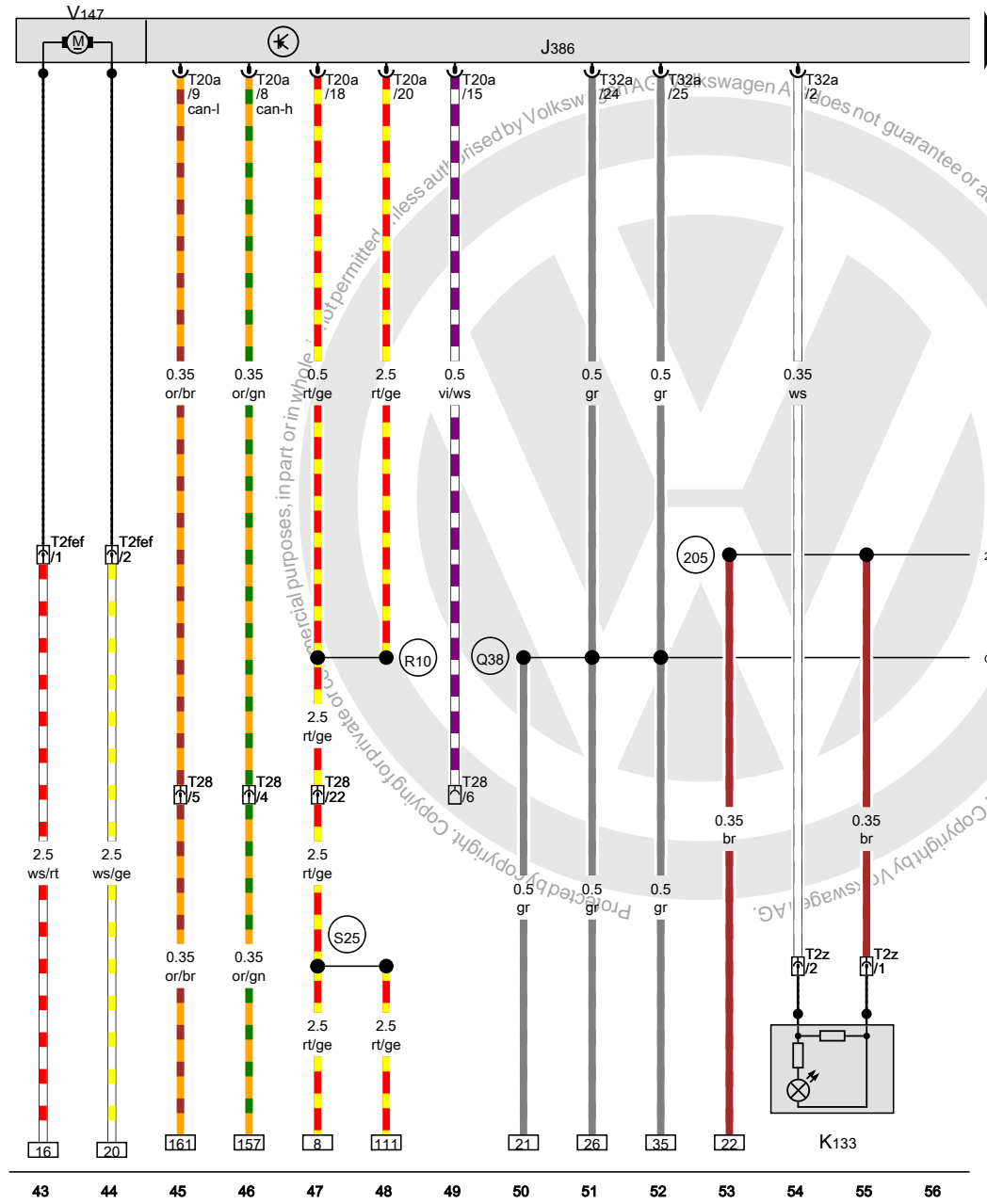
Window regulator switch in front passenger door, Open window regulator relay, front passenger side, Close window regulator relay, front passenger side

- E107 Window regulator switch in front passenger door
- J552 Open window regulator relay, front passenger side, on relay carrier under dash panel, driver side
- J553 Close window regulator relay, front passenger side, on relay carrier under dash panel, driver side
- L76 Button illumination bulb
- T4bsf 4-pin connector
- T5aro 5-pin connector
- T5ars 5-pin connector
- T28a 28-pin connector

- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- B124 Connection (85, window regulators), in interior wiring harness
- B587 Positive connection 7 (87), in interior wiring harness
- B623 Connection 1 (75x), in main wiring harness

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

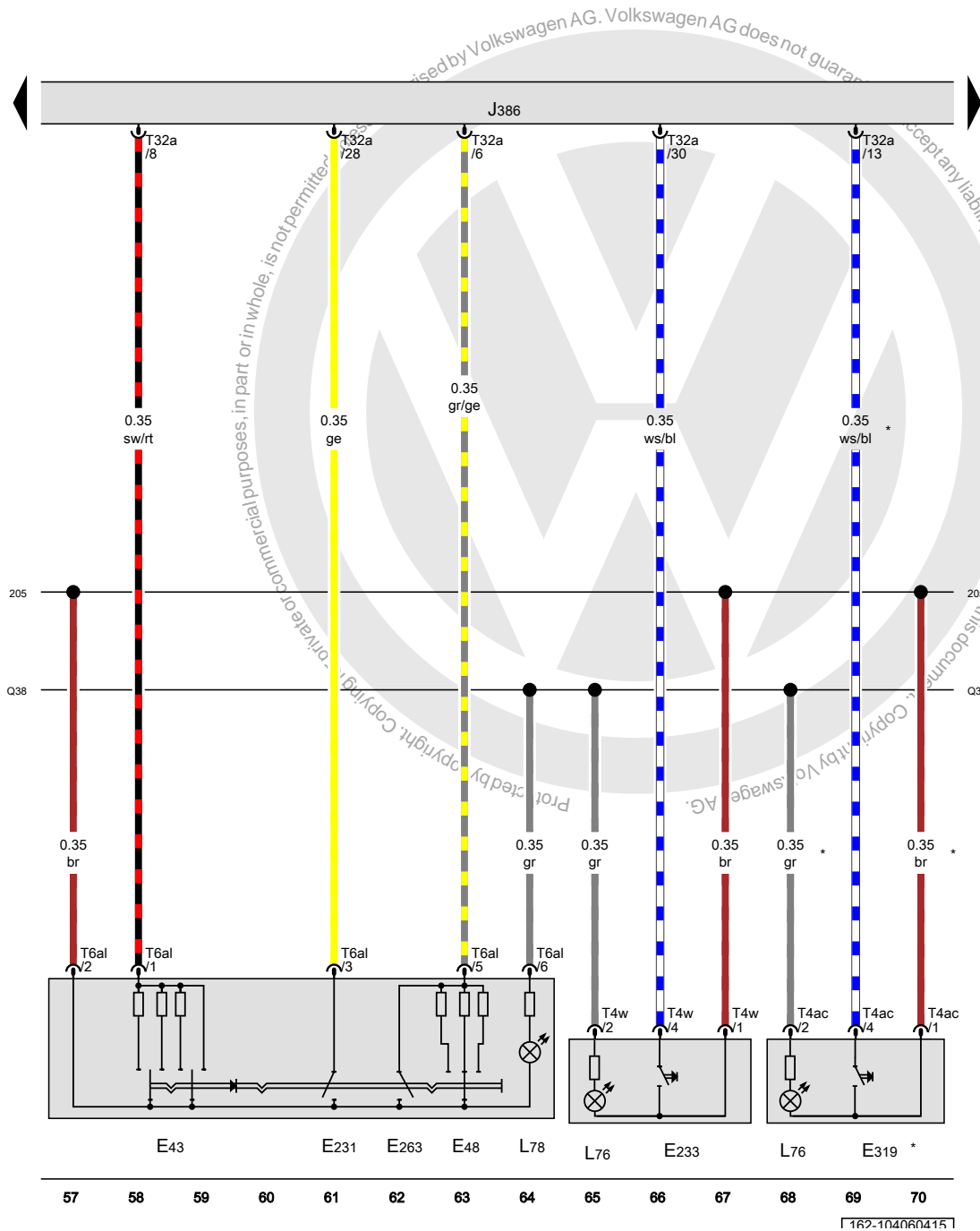
Driver door control unit, Central locking SAFELOCK function warning lamp, Driver side window regulator motor



- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- T2fef 2-pin connector
- T2z 2-pin connector
- T20a 20-pin connector
- T28 28-pin connector
- T32a 32-pin connector
- V147 Driver side window regulator motor
- (205) Earth connection, in driver door wiring harness
- (Q38) Positive connection 1 (58b), in window regulator wiring harness
- (R10) Positive connection 1 (30), in driver door wiring harness
- (S25) Positive connection (30a), in central locking wiring harness

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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-104050415



Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Rear lid remote release button, Fold-in mirror switch, Fuel tank flap release button, Driver door control unit, Mirror adjustment switch illumination bulb

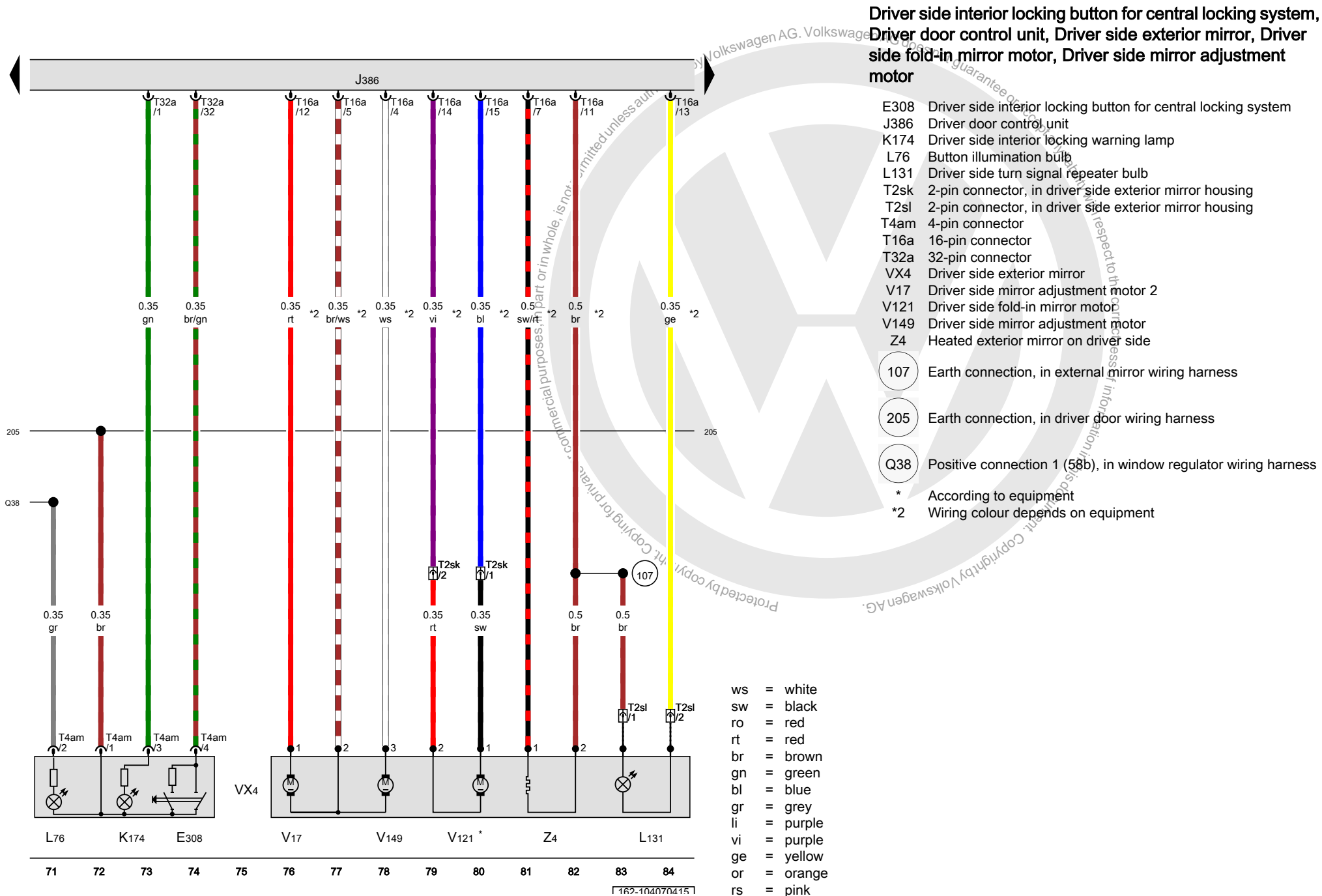
- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E233 Rear lid remote release button
- E263 Fold-in mirror switch
- E319 Fuel tank flap release button
- J386 Driver door control unit
- L76 Button illumination bulb
- L78 Mirror adjustment switch illumination bulb
- T4ac 4-pin connector
- T4w 4-pin connector
- T6al 6-pin connector
- T32a 32-pin connector

205 Earth connection, in driver door wiring harness

Q38 Positive connection 1 (58b), in window regulator wiring harness

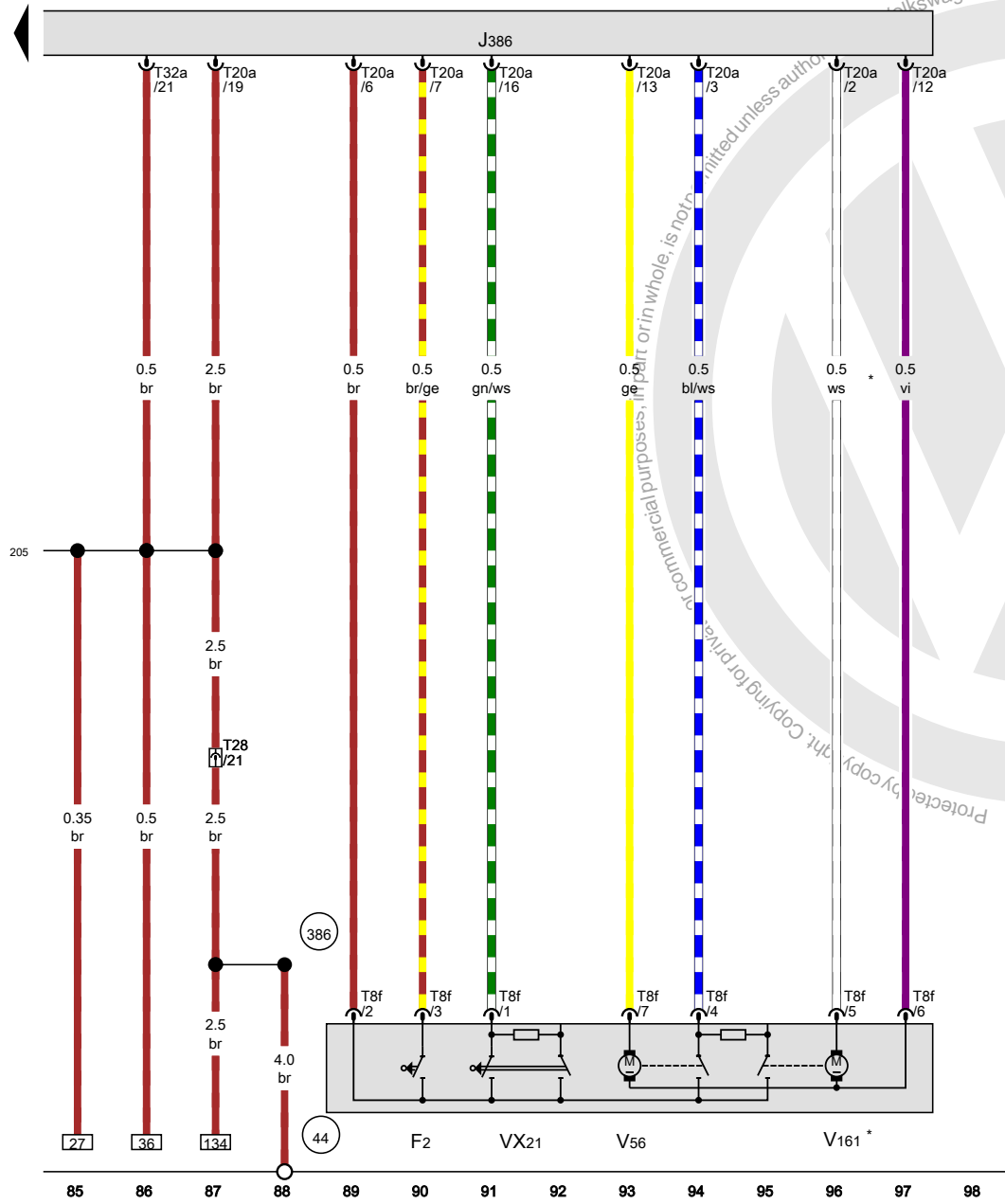
* Only for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-104070415

Driver door contact switch, Driver door control unit, Driver door lock unit, Driver door central locking motor



- F2 Driver door contact switch
- J386 Driver door control unit
- T8f 8-pin connector
- T20a 20-pin connector
- T28 28-pin connector
- T32a 32-pin connector
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor
- 44 Earth point, lower part of left A-pillar
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- * Not for American markets

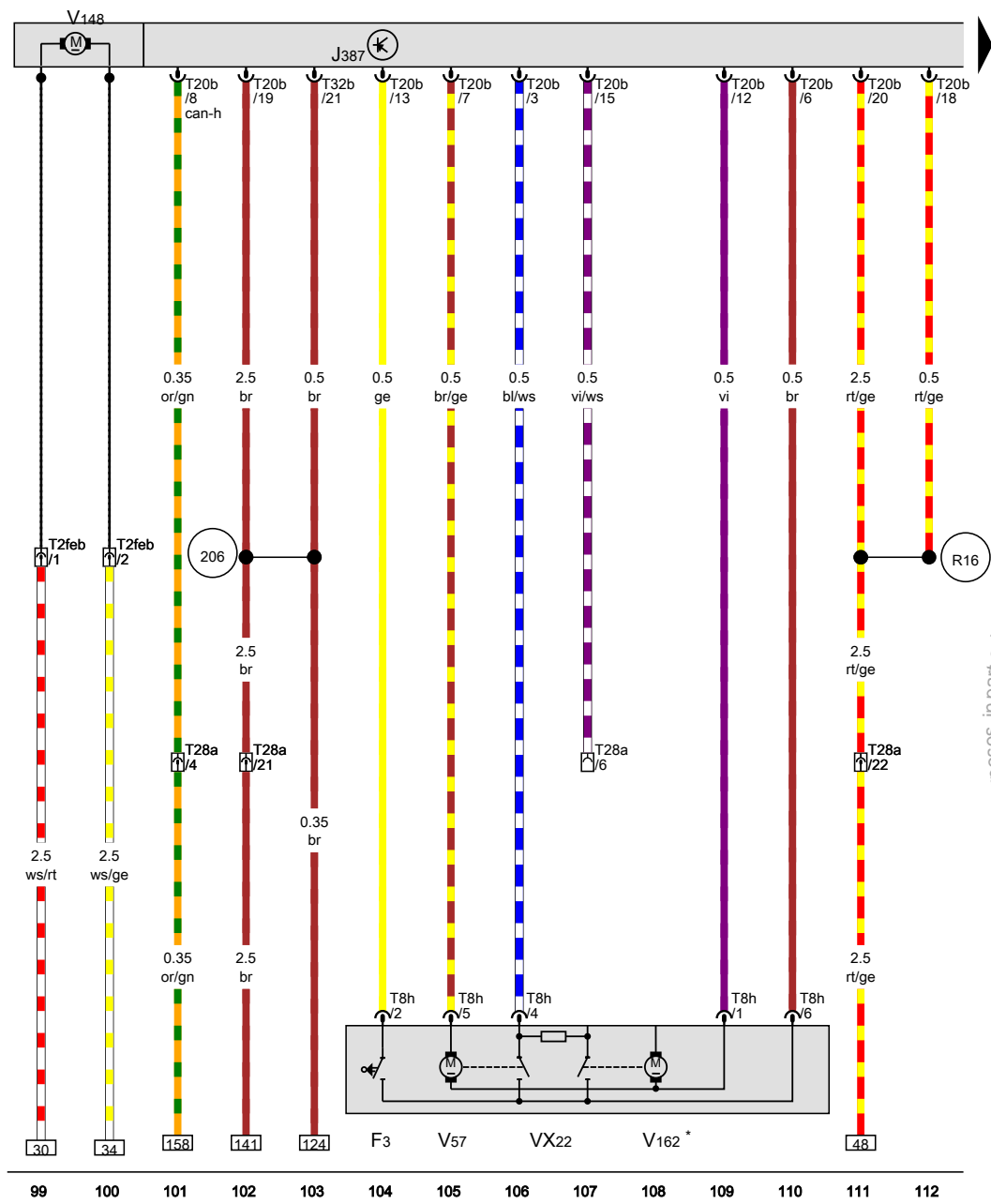
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-104080415

Front passenger door contact switch, Front passenger door control unit, Front passenger door lock unit, Front passenger seat central locking motor, Front passenger side window regulator motor

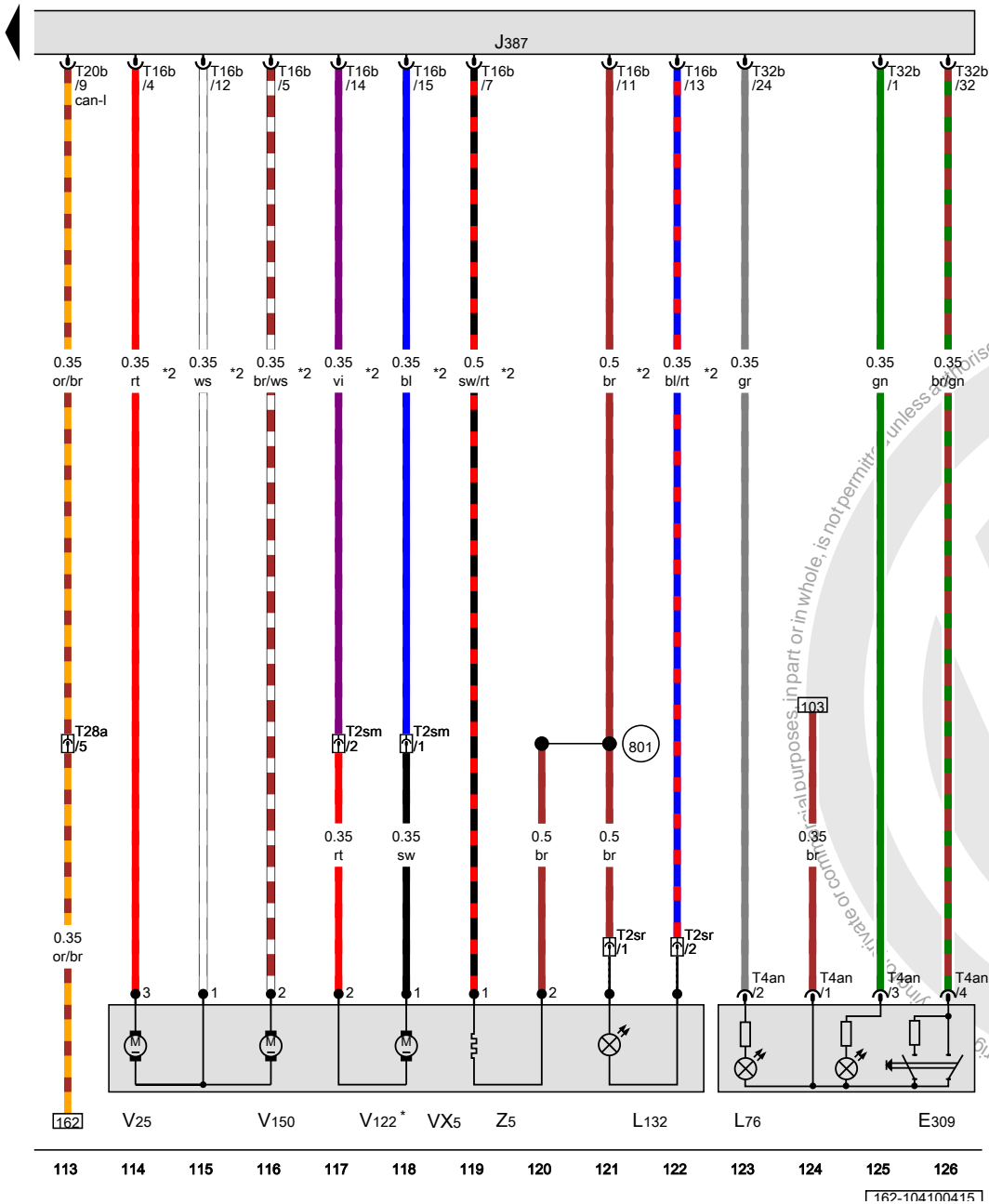
- F3 Front passenger door contact switch
- J387 Front passenger door control unit
- T2feb 2-pin connector
- T8h 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector
- T32b 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor
- V148 Front passenger side window regulator motor
- V162 Front passenger door central locking SAFELOCK function motor

- 206 Earth connection, in front passenger door wiring harness
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * Not for American markets



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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-104090415



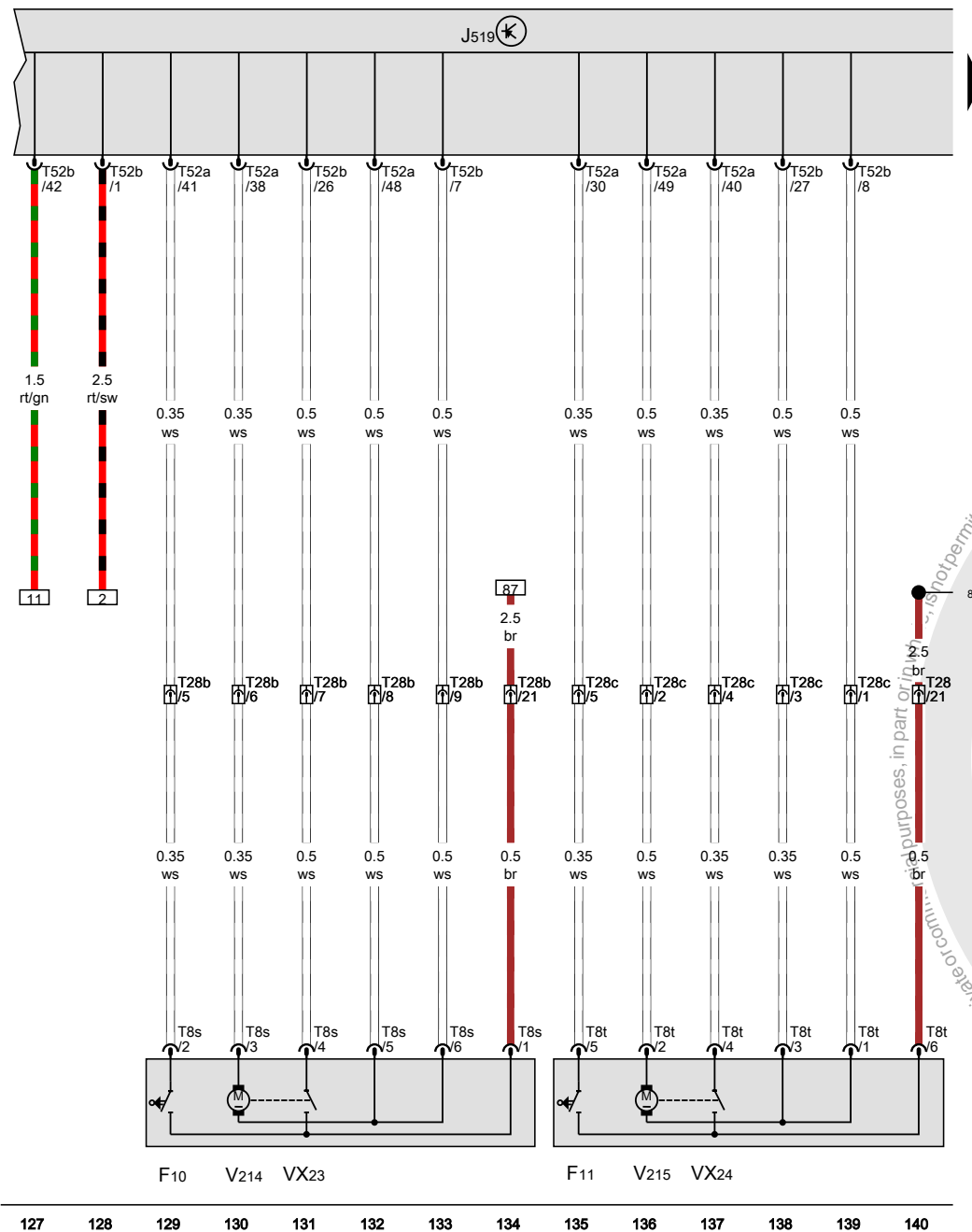
Front passenger side interior locking button for central locking system, Front passenger door control unit, Front passenger side exterior mirror, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

- E309 Front passenger side interior locking button for central locking system
- J387 Front passenger door control unit
- L76 Button illumination bulb
- L132 Front passenger side turn signal repeater bulb
- T2sm 2-pin connector, in front passenger side exterior mirror housing
- T2sr 2-pin connector, in front passenger side exterior mirror housing
- T4an 4-pin connector
- T16b 16-pin connector
- T20b 20-pin connector
- T28a 28-pin connector
- T32b 32-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side
- 801 Earth connection 2, in external mirror wiring harness, in right door, near exterior mirror
- * According to equipment
- *2 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
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Rear left door contact switch, Rear right door contact switch, Onboard supply control unit, Rear left door lock unit, Rear right door lock unit, Rear left door central locking motor, lock, Rear right door central locking motor, lock

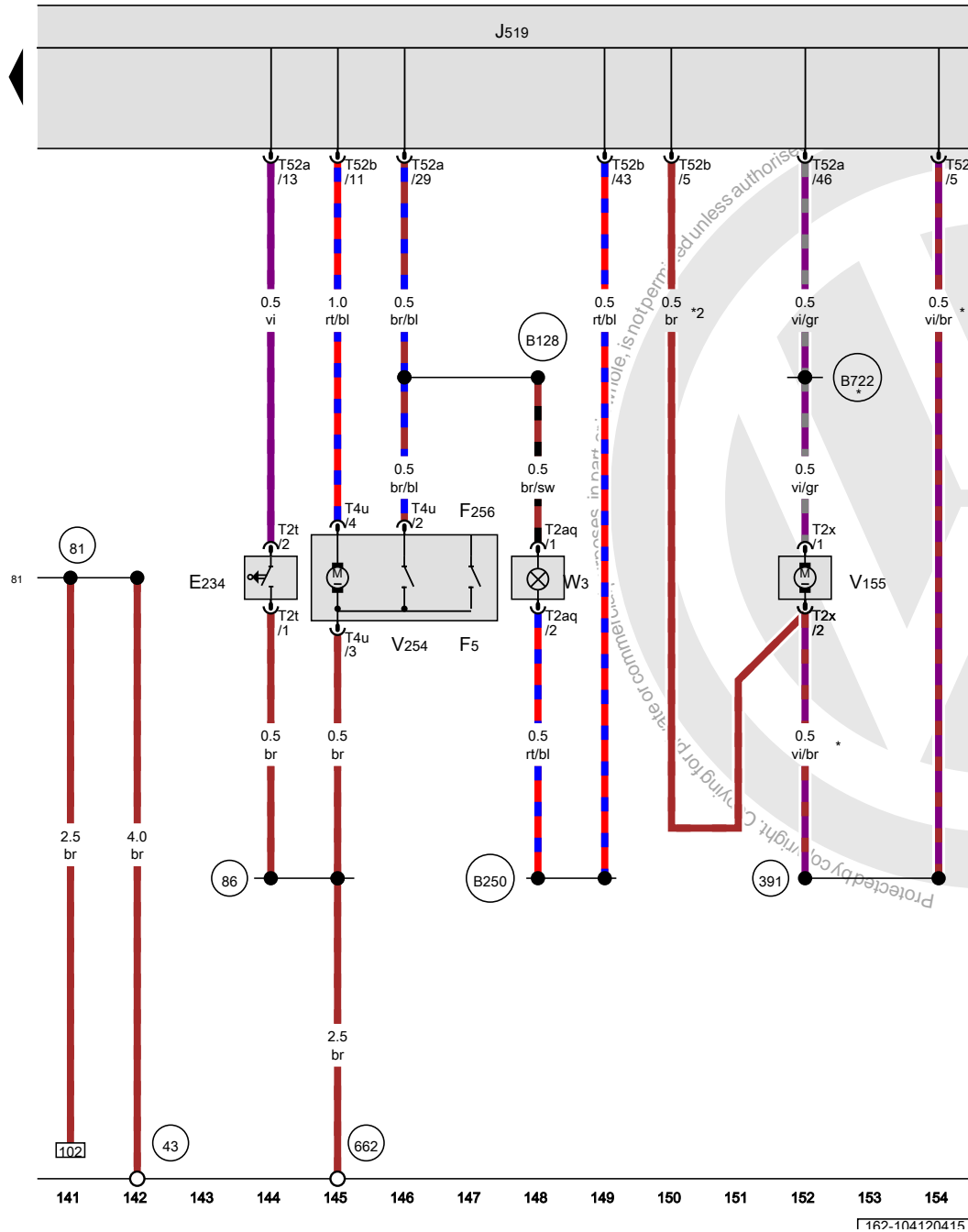
- F10 Rear left door contact switch
- F11 Rear right door contact switch
- J519 Onboard supply control unit
- T8s 8-pin connector
- T8t 8-pin connector
- T28 28-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- VX23 Rear left door lock unit
- VX24 Rear right door lock unit
- V214 Rear left door central locking motor, lock
- V215 Rear right door central locking motor, lock
- 81 Earth connection 1, in dash panel wiring harness



- ws = white
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- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140

162-104110415



Rear lid handle release button, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Tank filler flap locking motor, Rear lid electric opener motor, Luggage compartment light

- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2t 2-pin connector
- T2x 2-pin connector
- T4u 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Tank filler flap locking motor
- V254 Rear lid electric opener motor
- W3 Luggage compartment light

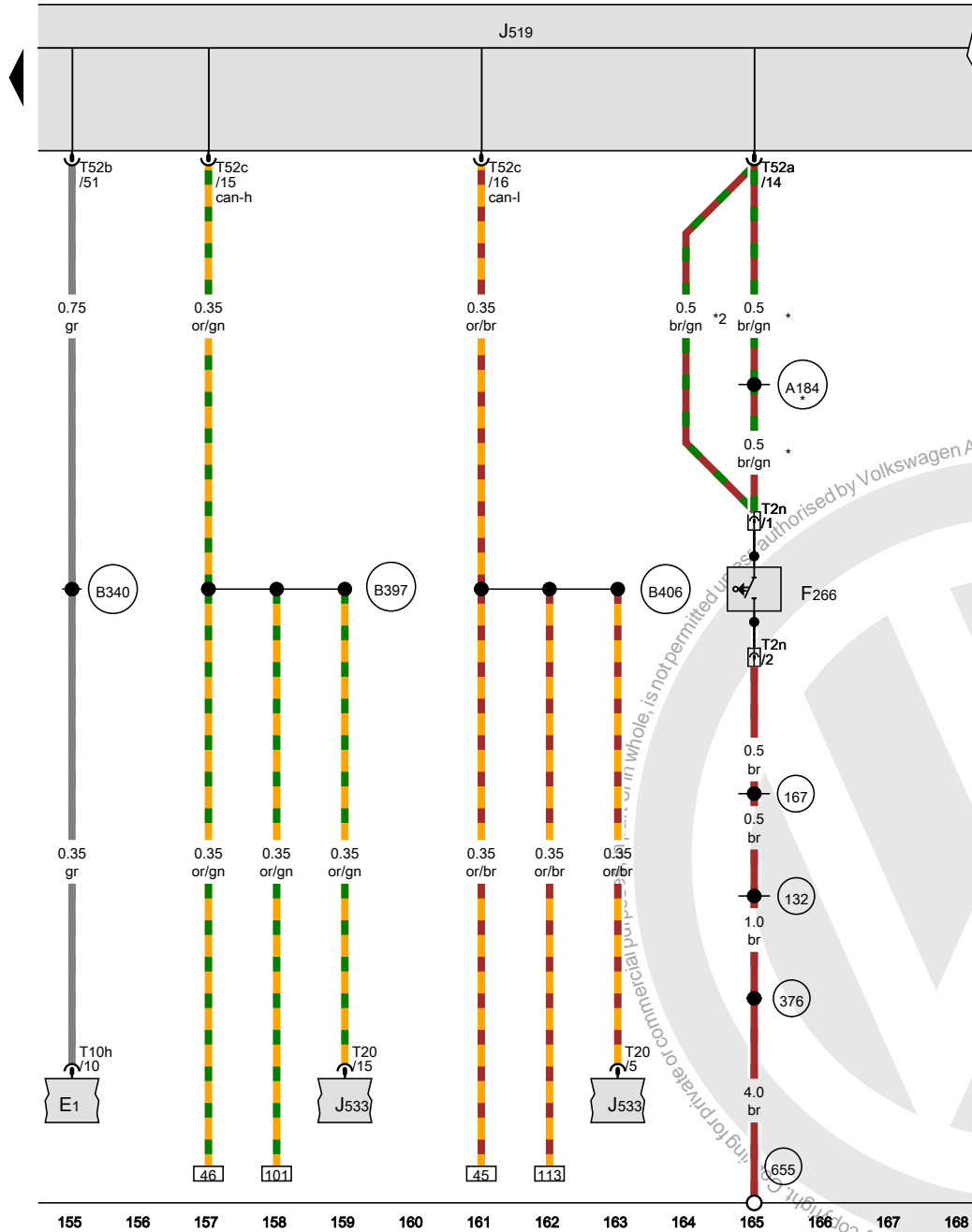
- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 86 Earth connection 1, in rear wiring harness
- 391 Earth connection 26, in main wiring harness
- 662 Earth point, rear left side panel
- B128 Connection (luggage compartment light), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- B722 Connection 3 (central locking), in main wiring harness

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- ro = red
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * gradual introduction
- *2 Gradually discontinued

162-104120415

Bonnet contact switch, Onboard supply control unit



- E1 Light switch
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T2n 2-pin connector
- T10h 10-pin connector
- T20 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

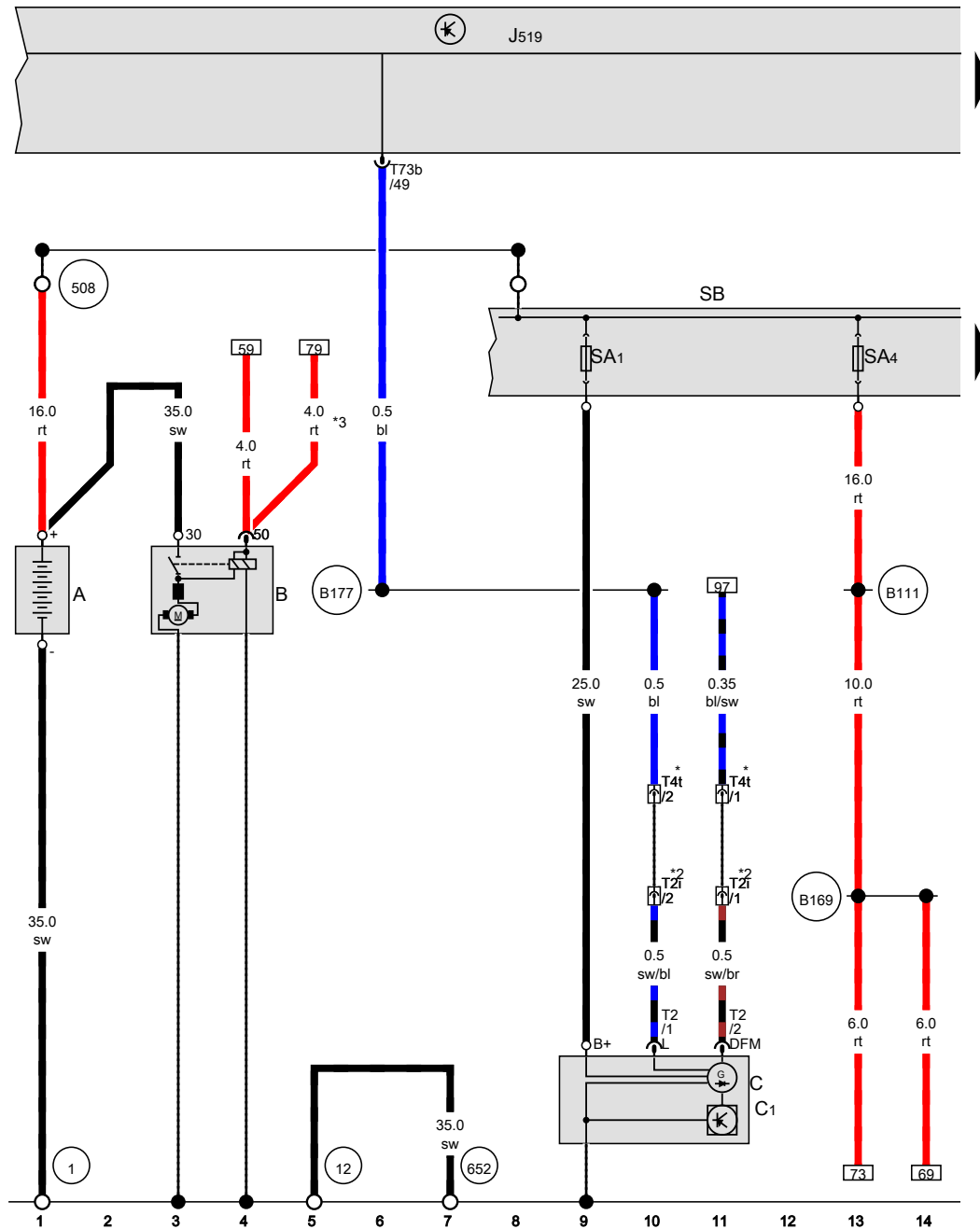
- 132 Earth connection 3, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Gradually discontinued
- *2 gradual introduction

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- rs = pink

1.8l petrol engine , CPKA,(7GJ)

From June 2013





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

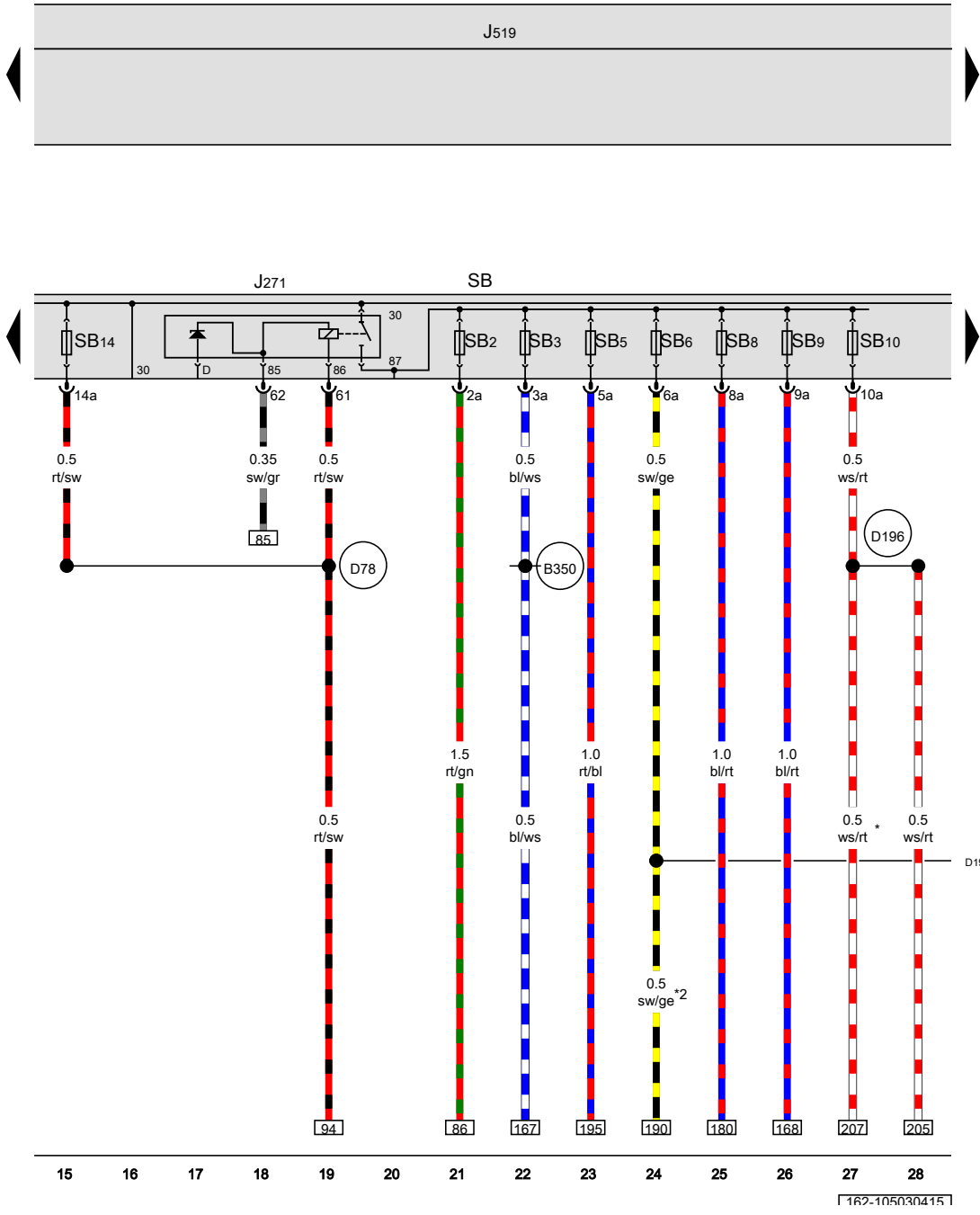
162-105020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB14 Fuse 14 on fuse holder B

- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness
- * Only models with manual gearbox
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-105030415

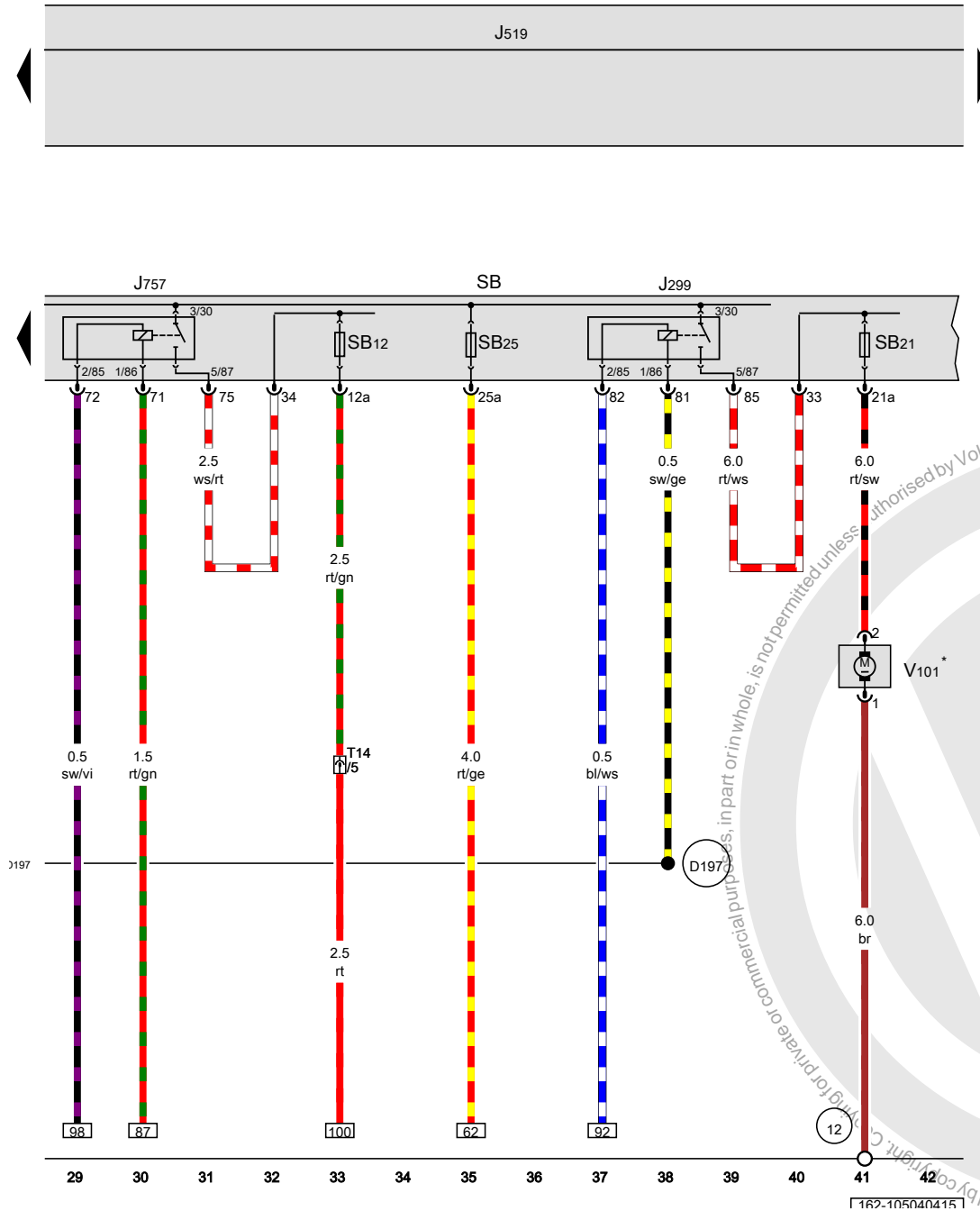
Secondary air pump relay, Onboard supply control unit, Engine component current supply relay, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector
- V101 Secondary air pump motor

12 Earth point, on left in engine compartment

D197 Connection 5 (87a) in engine compartment wiring harness

* Only for American markets

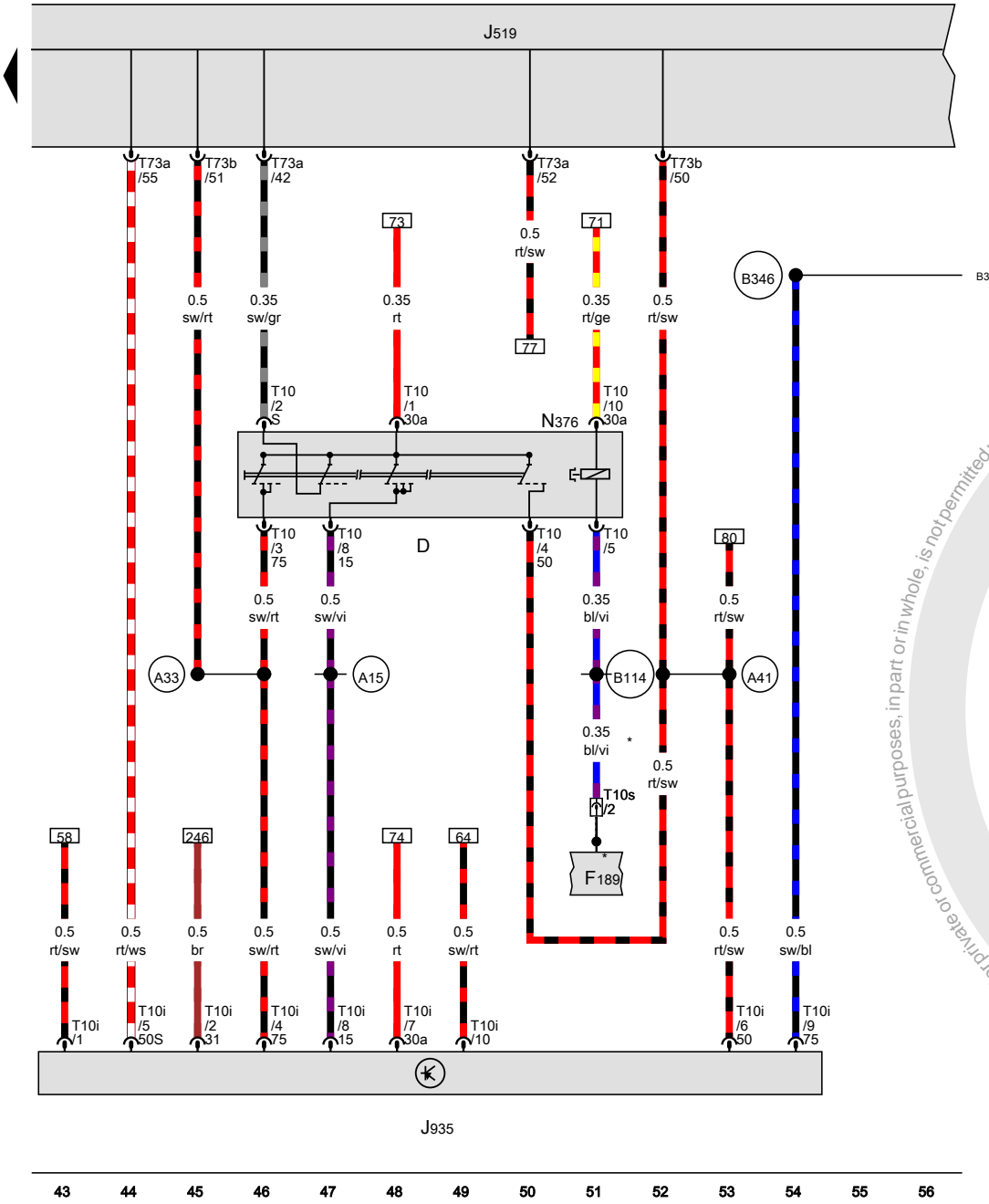


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- ps = pink

Ignition/starter switch, Onboard supply control unit, Converter box

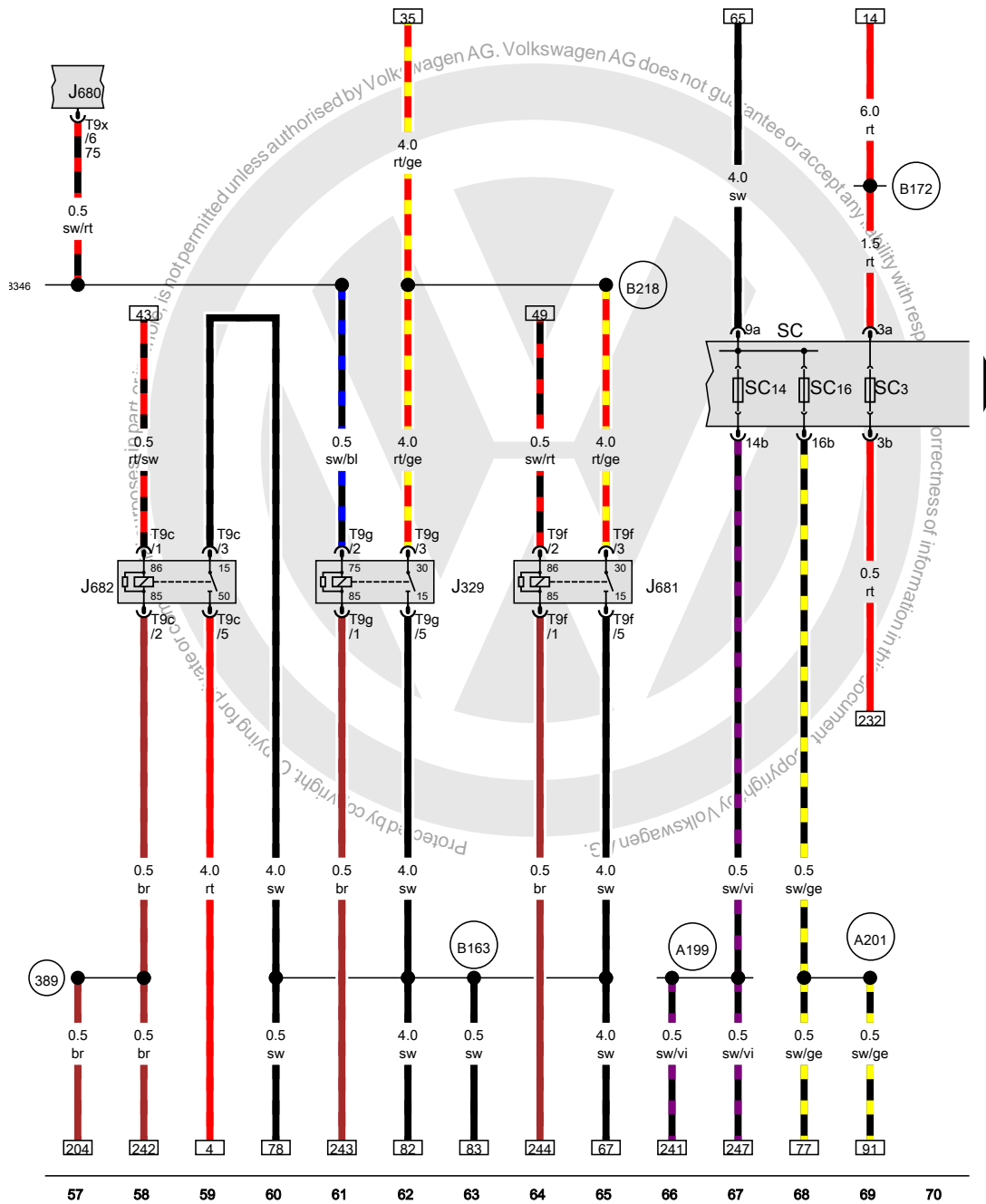
- D Ignition/starter switch
- F189 Tiptronic switch
- J519 Onboard supply control unit
- J935 Converter box
- N376 Ignition key withdrawal lock solenoid
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * Only models with automatic gearbox



- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-105050415

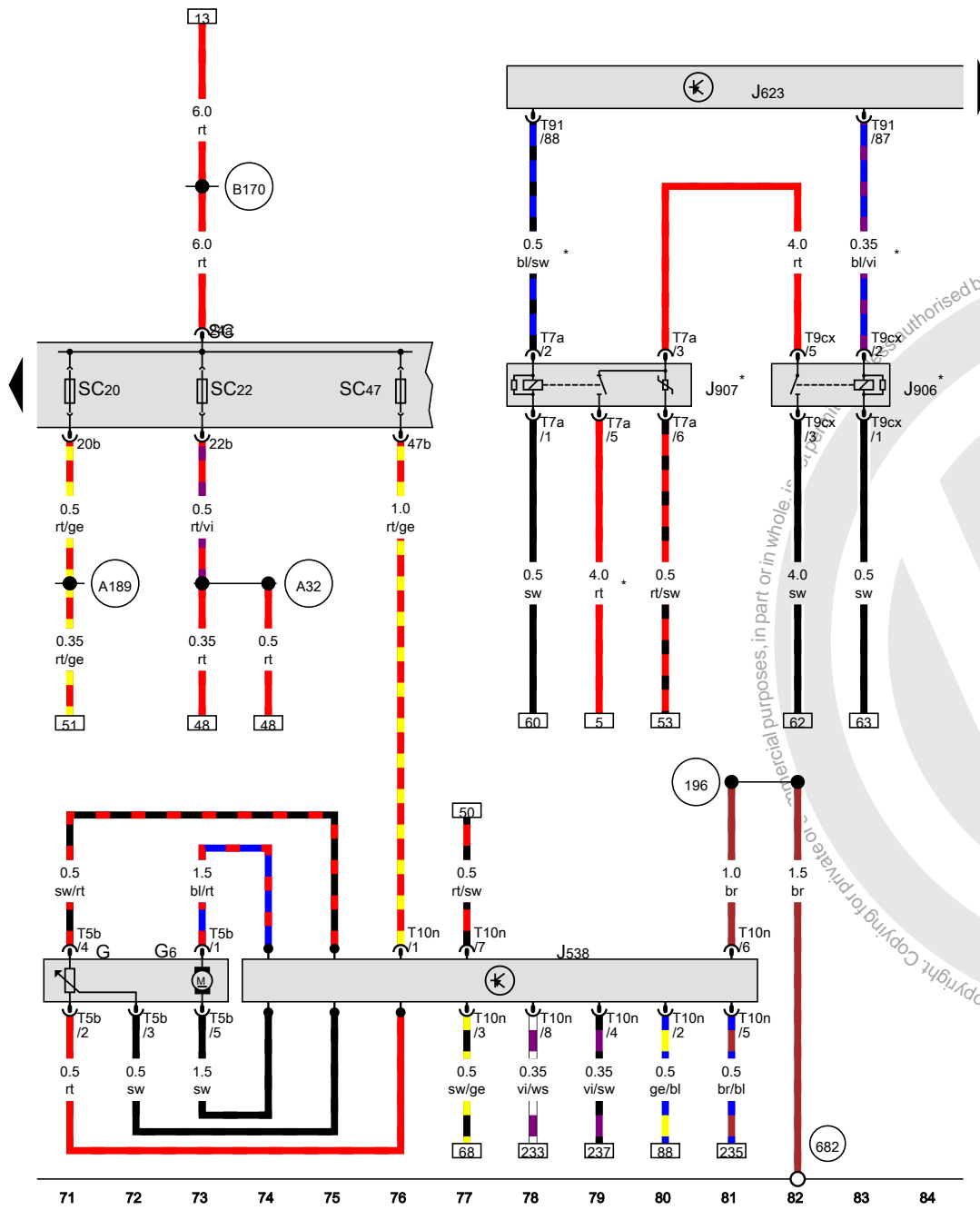


Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector

- (389) Earth connection 24, in main wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B172) Positive connection 4 (30), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness

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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuel gauge sender, Fuel system pressurisation pump, Engine control unit, Fuse holder C

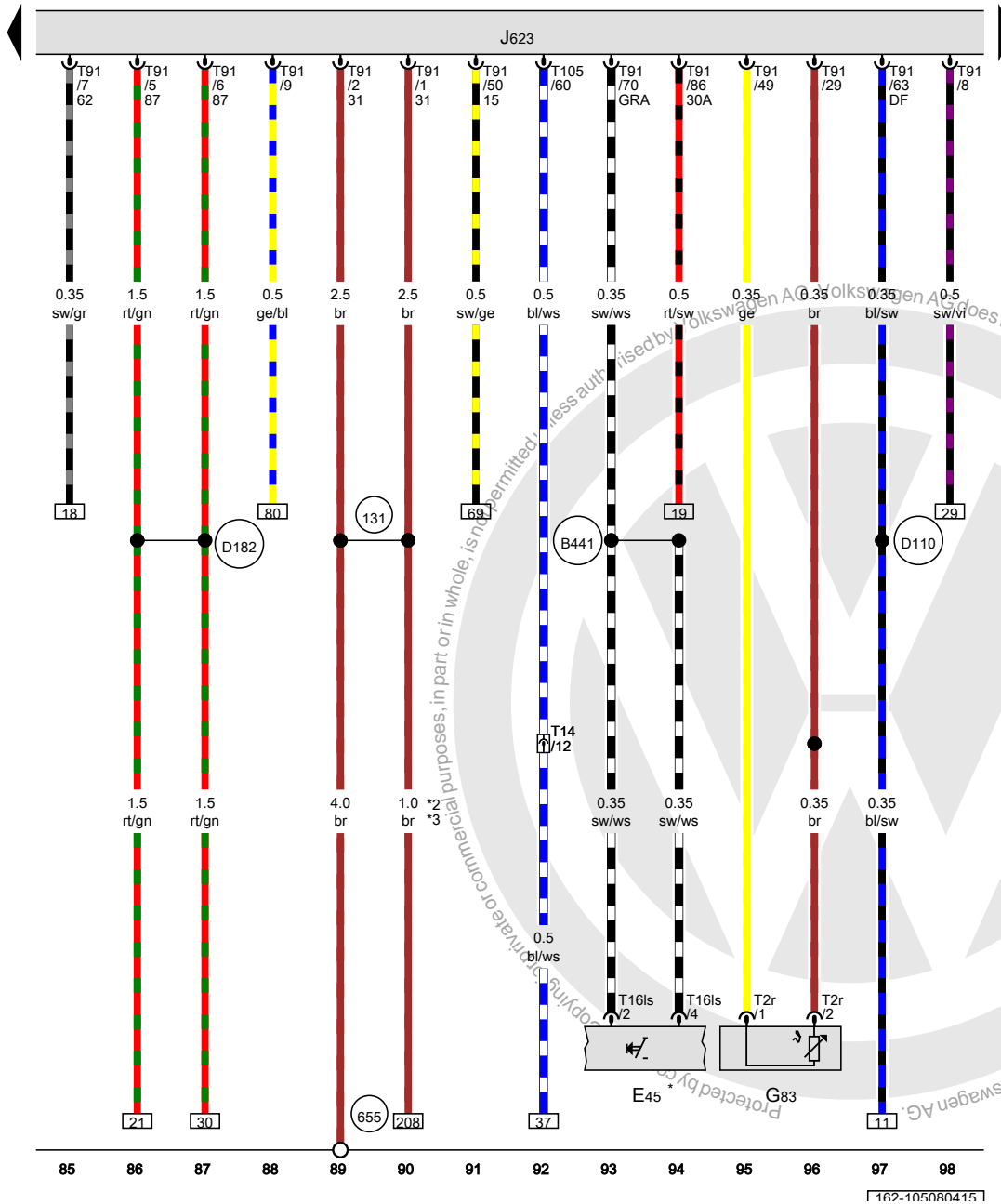
- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SC Fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5b 5-pin connector
- T7a 7-pin connector
- T9cx 9-pin connector
- T10n 10-pin connector
- T91 91-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

* According to equipment

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- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

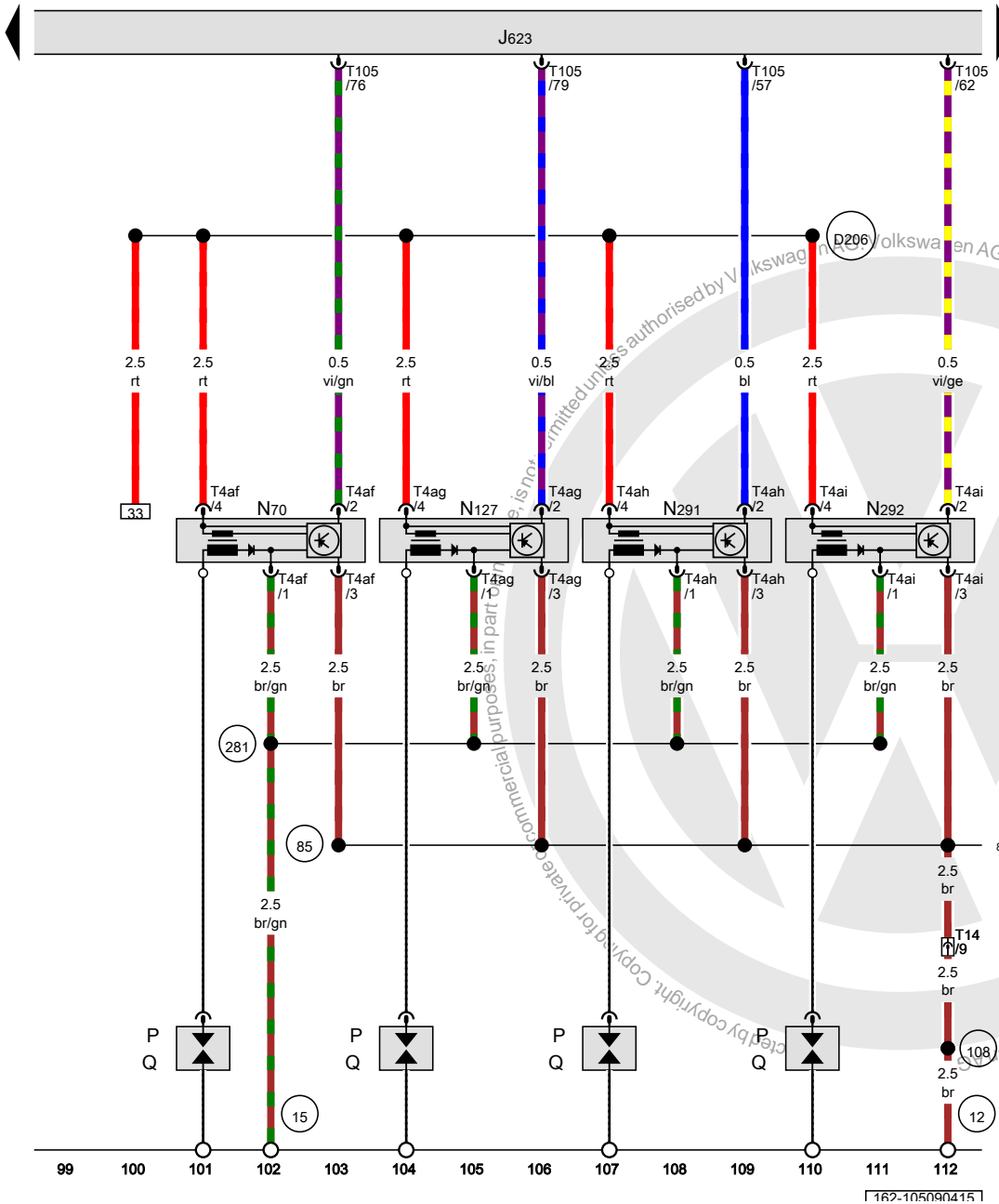
Radiator outlet coolant temperature sender, Engine control unit



- E45 Cruise control system switch
- G83 Radiator outlet coolant temperature sender
- J623 Engine control unit
- T2r 2-pin connector
- T14 14-pin connector
- T16ls 16-pin connector
- T91 91-pin connector
- T105 105-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Only models with manual gearbox
- *3 Only for American markets

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- gr = grey
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- vi = purple
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- or = orange
- rs = pink

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs



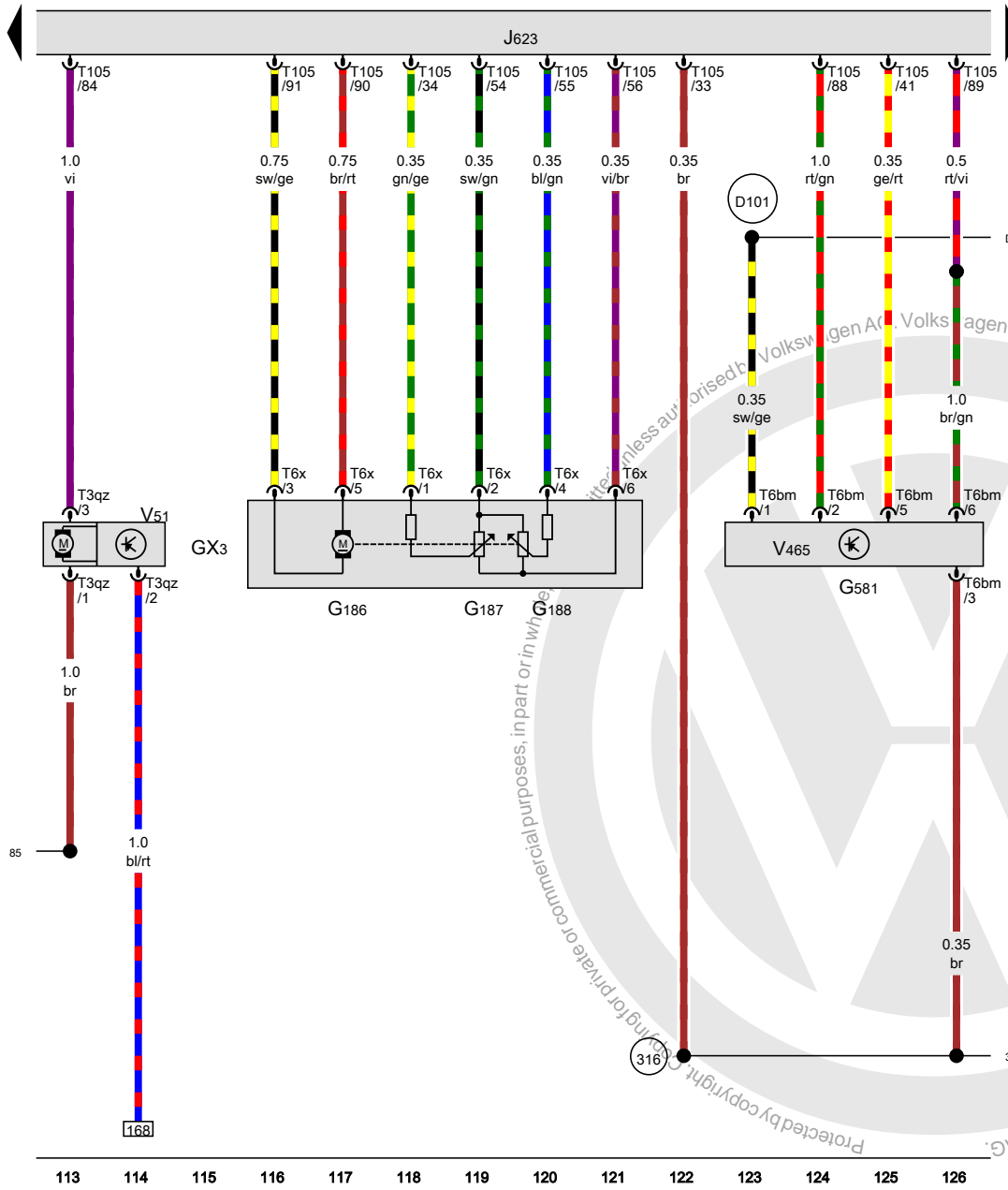
- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T105 105-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

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- ro = red
- rt = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-105090415

Throttle valve module, Throttle valve drive for electric throttle, Position sender for charge pressure positioner, Engine control unit, Continued coolant circulation pump

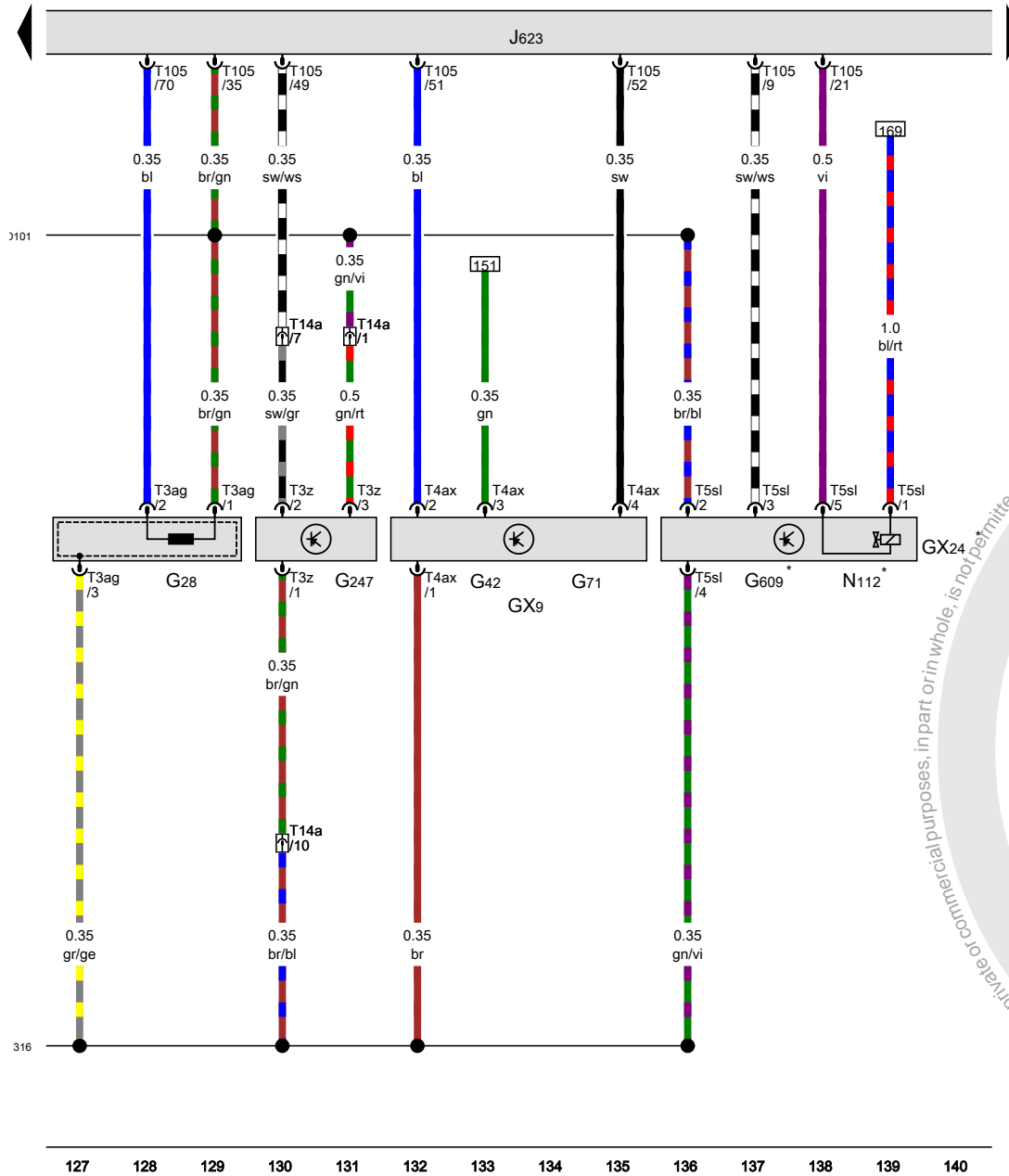


- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3qz 3-pin connector
- T6bm 6-pin connector
- T6x 6-pin connector
- T105 105-pin connector
- V51 Continued coolant circulation pump
- V465 Charge pressure positioner
- 85 Earth connection 1, in engine compartment wiring harness
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness

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- rt = red
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- vi = purple
- ge = yellow
- or = orange
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162-105100415

Intake manifold sender, Secondary air system, Engine speed sender, Fuel pressure sender, Engine control unit, Secondary air inlet valve

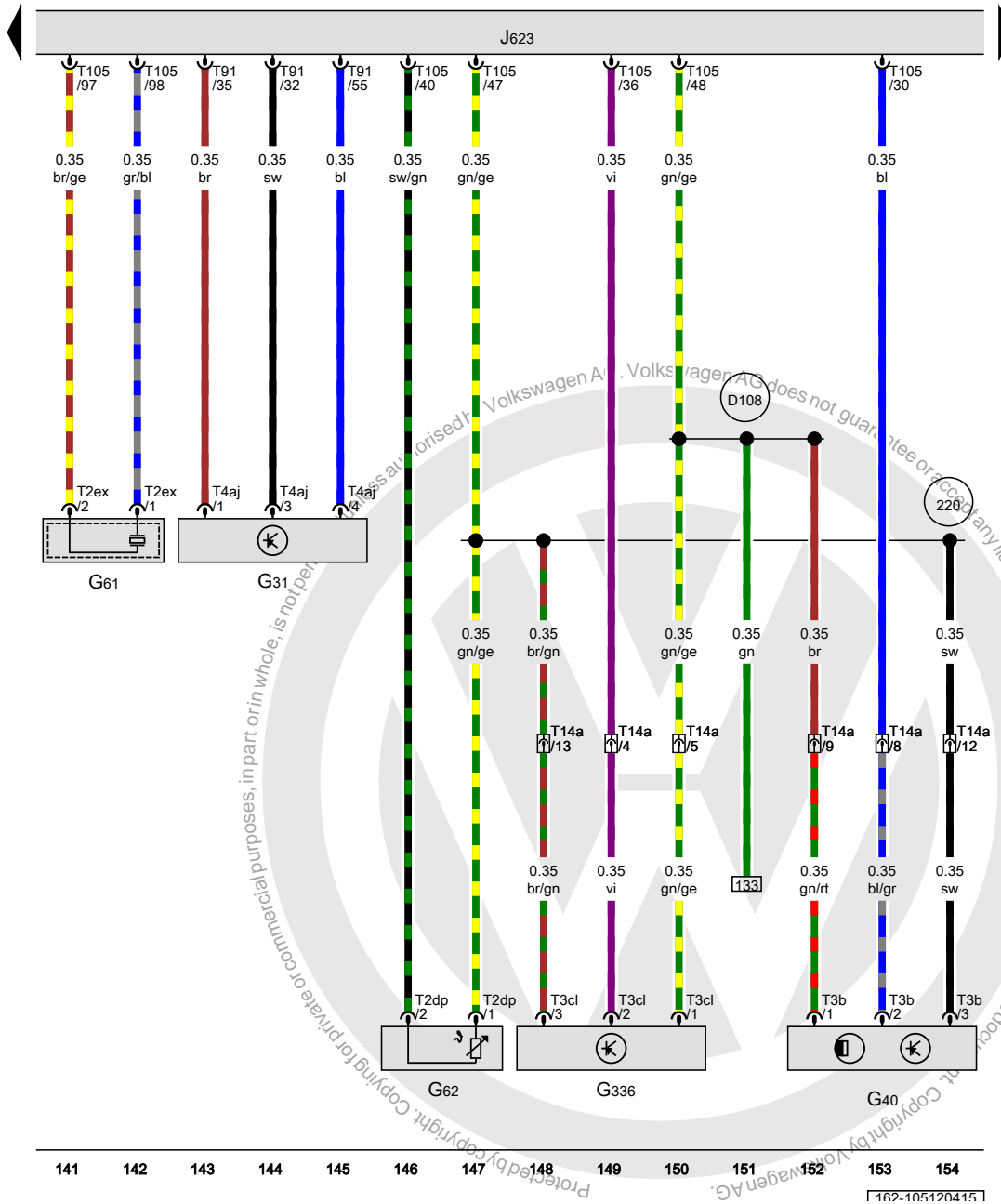


- GX9 Intake manifold sender
- GX24 Secondary air system
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T3ag 3-pin connector
- T3z 3-pin connector
- T4ax 4-pin connector
- T5sl 5-pin connector
- T14a 14-pin connector
- T105 105-pin connector
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * According to equipment

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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-105110415

Charge pressure sender, Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit



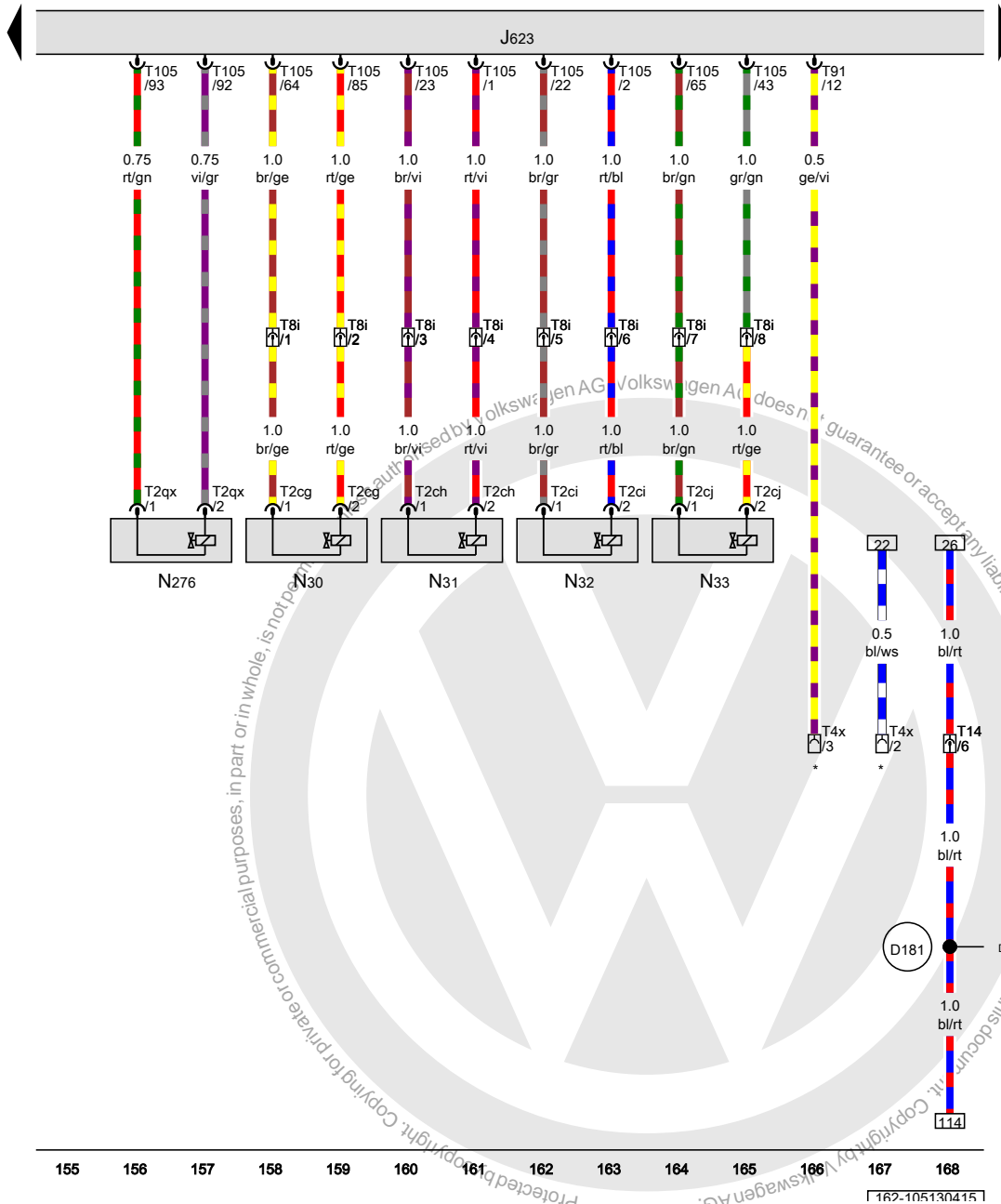
- G31 Charge pressure sender
- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3b 3-pin connector
- T3cl 3-pin connector
- T4aj 4-pin connector
- T14a 14-pin connector
- T91 91-pin connector
- T105 105-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- D108 Connection 6 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

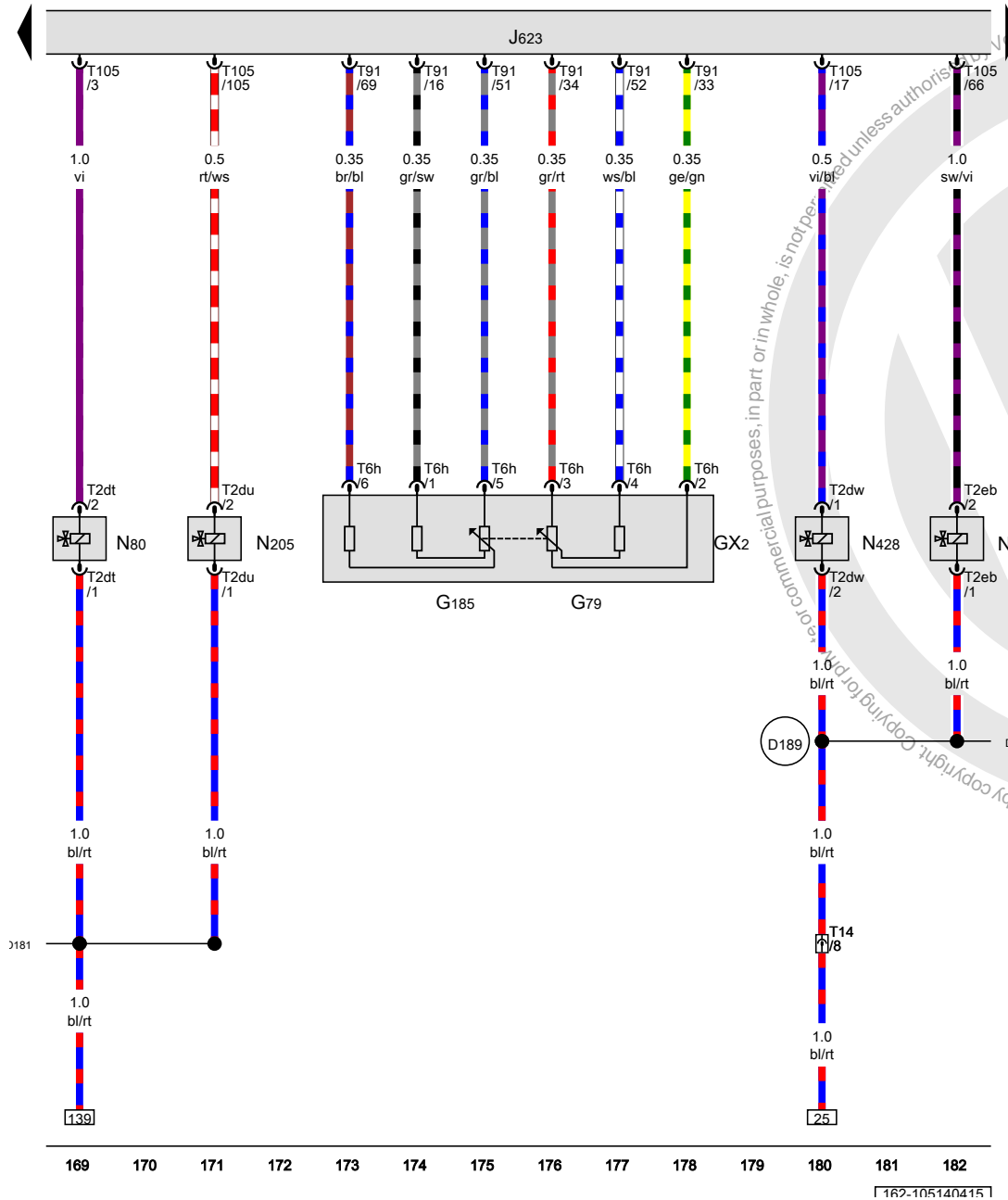
162-105120415

Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve



- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2qx 2-pin connector
- T4x 4-pin connector
- T8i 8-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Radiator fan connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

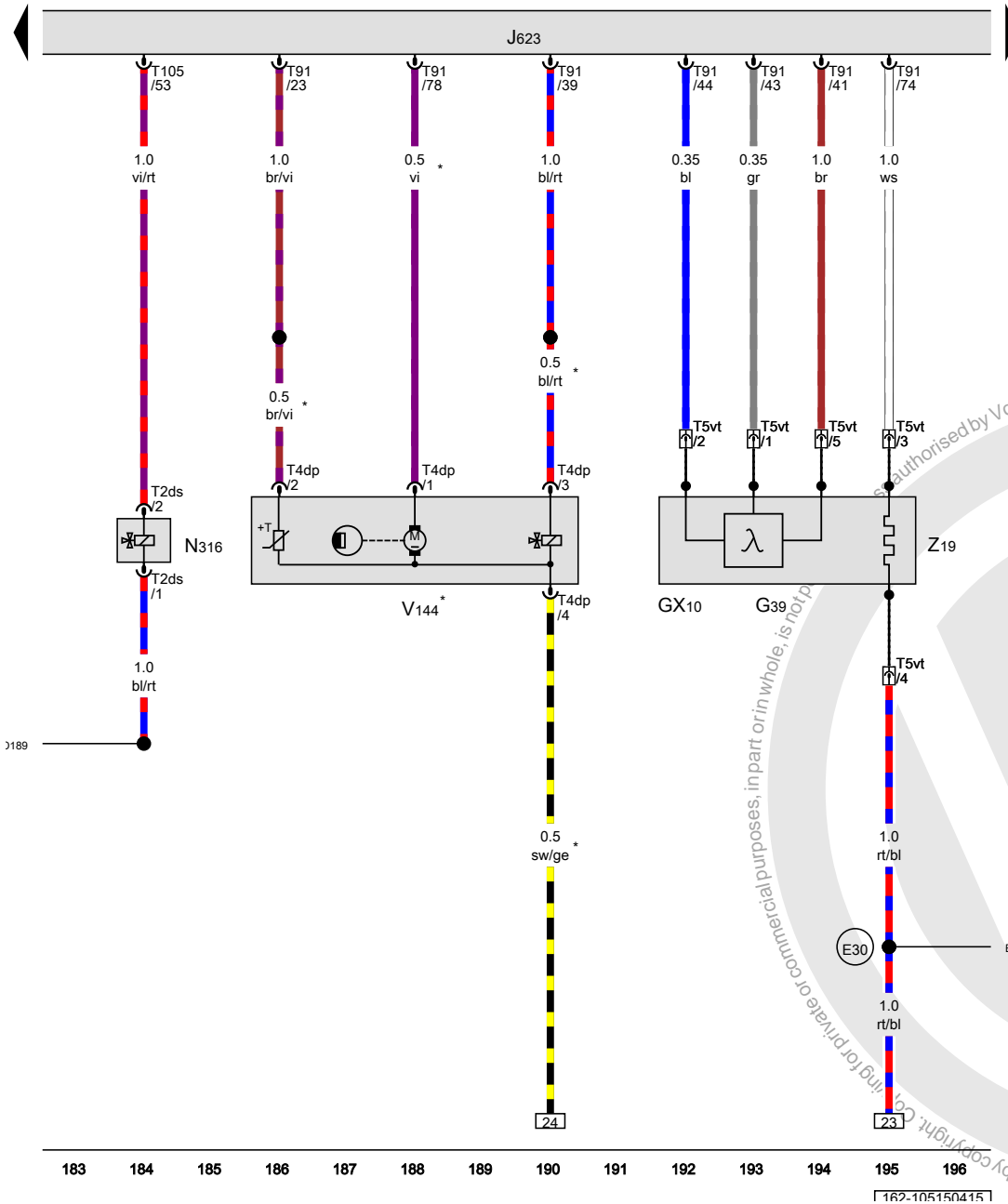


Accelerator pedal module, Accelerator position sender 2, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Valve for oil pressure control

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T2eb 2-pin connector
- T6h 6-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector
- (D181) Connection 2 (87a) in engine compartment wiring harness
- (D189) Connection (87a) in engine prewiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

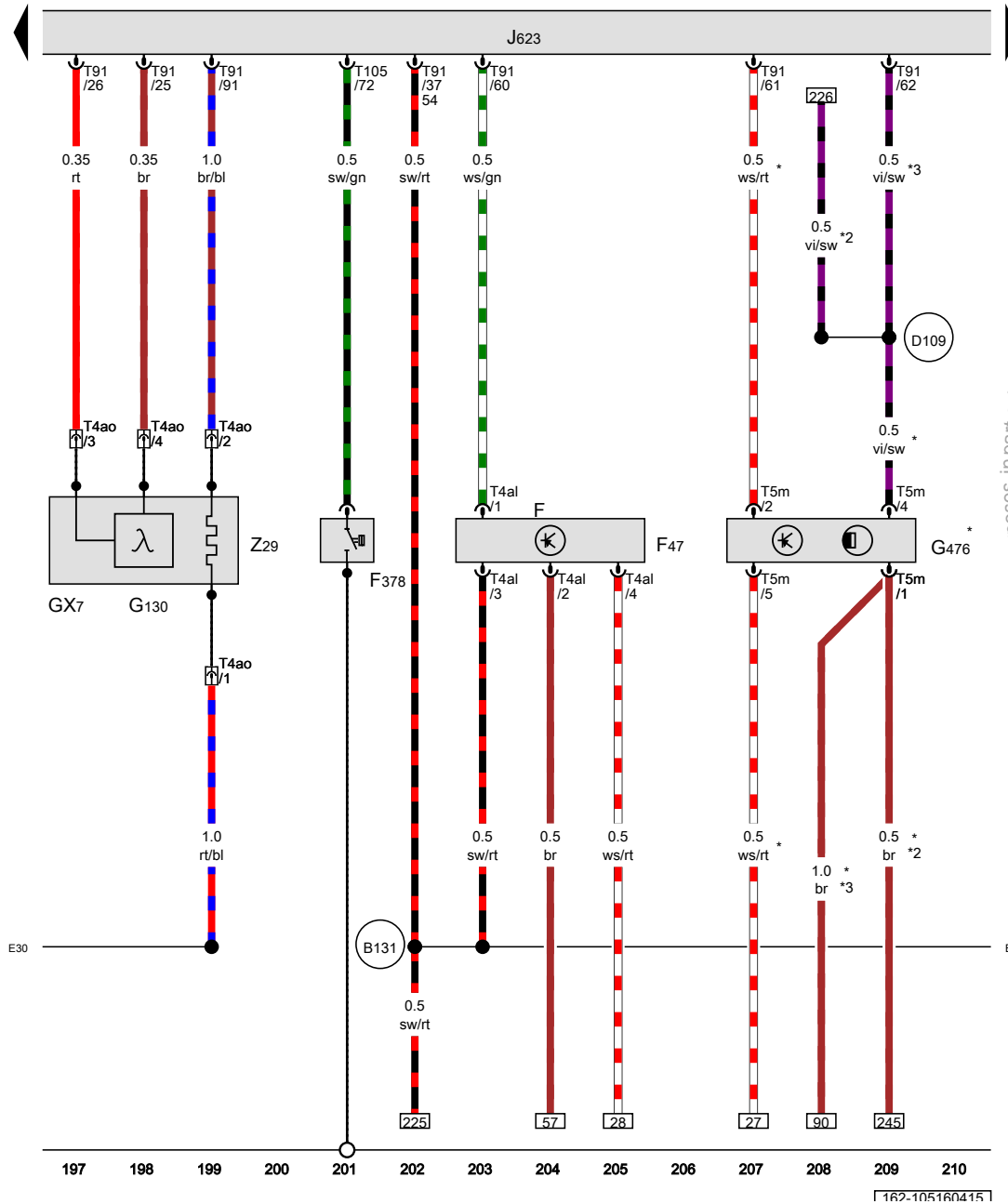
Lambda probe 1 before catalytic converter, Engine control unit, Intake manifold flap valve, Fuel system diagnostic pump, Lambda probe heater



- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T4dp 4-pin connector
- T5vt 5-pin connector
- T91 91-pin connector
- T105 105-pin connector
- V144 Fuel system diagnostic pump
- Z19 Lambda probe heater

- D189 Connection (87a) in engine prewiring harness
- E30 Connection (87a), in engine wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Brake light switch, Brake pedal switch, Oil pressure switch for reduced oil pressure, Lambda probe 1 after catalytic converter, Clutch position sender, Engine control unit, Lambda probe 1 heater after catalytic converter

- F Brake light switch
- F47 Brake pedal switch
- F378 Oil pressure switch for reduced oil pressure
- GX7 Lambda probe 1 after catalytic converter
- G130 Lambda probe after catalytic converter
- G476 Clutch position sender
- J623 Engine control unit
- T4al 4-pin connector
- T4ao 4-pin connector
- T5m 5-pin connector
- T91 91-pin connector
- T105 105-pin connector
- Z29 Lambda probe 1 heater after catalytic converter

(B131) Connection (54), in interior wiring harness

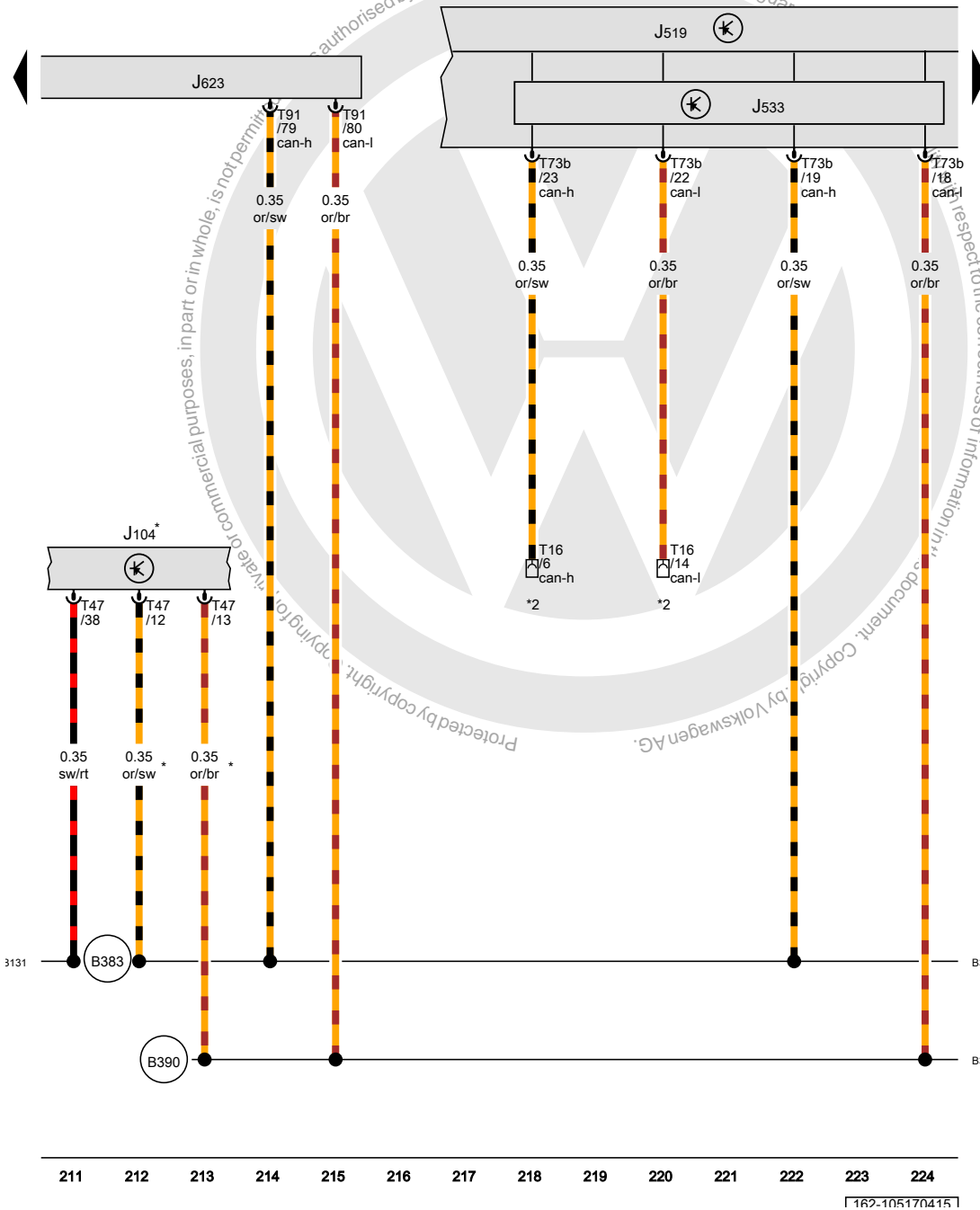
(D109) Connection 7 in engine compartment wiring harness

(E30) Connection (87a), in engine wiring harness

- * Only models with manual gearbox
- *2 Not for American markets
- *3 Only for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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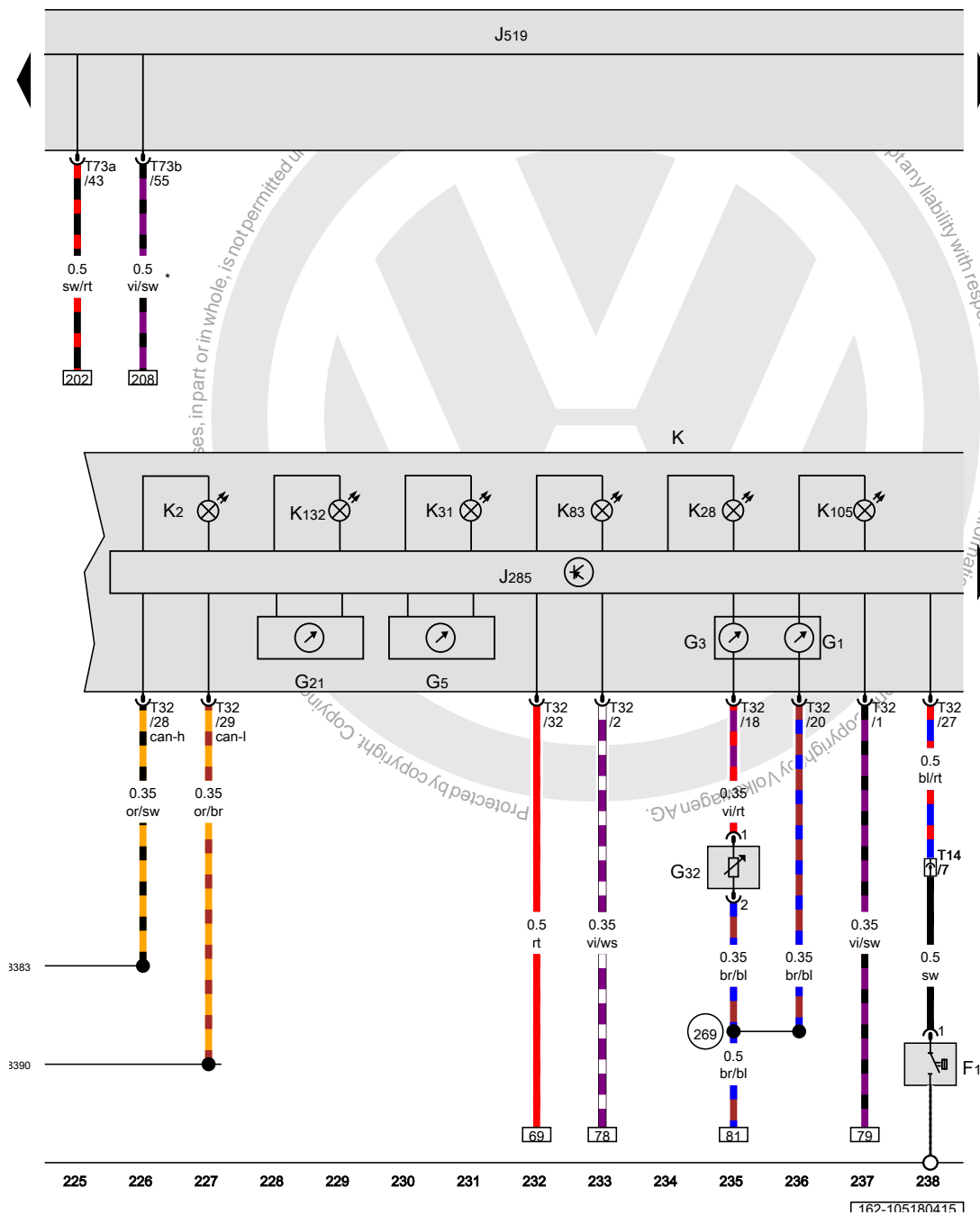


Onboard supply control unit, Data bus diagnostic interface, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T16 16-pin connector
- T47 47-pin connector
- T73b 73-pin connector
- T91 91-pin connector

- B131** Connection (54), in interior wiring harness
- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T14 14-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

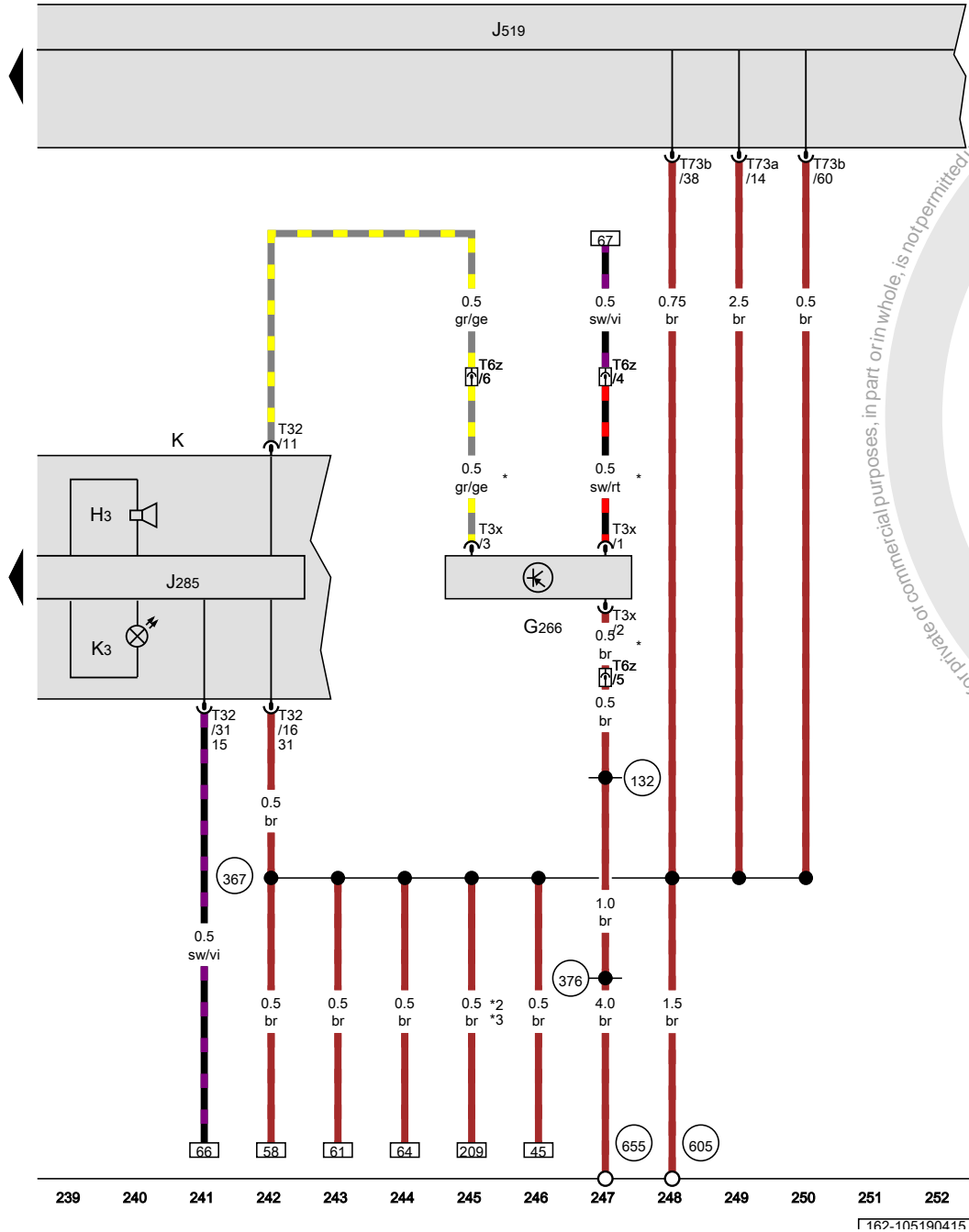
- (269) Earth connection (sender earth) 1, in dash panel wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Not for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K3 Oil pressure warning lamp
- T3x 3-pin connector
- T6z 6-pin connector, near left headlight
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
 - 367 Earth connection 2, in main wiring harness
 - 376 Earth connection 11, in main wiring harness
 - 605 Earth point, on top end of steering column
 - 655 Earth point, on left headlight
- * Only models with flexible service interval display
 *2 Only models with manual gearbox
 *3 Not for American markets



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-105190415

2.0l petrol engine , CPLA
From December 2012



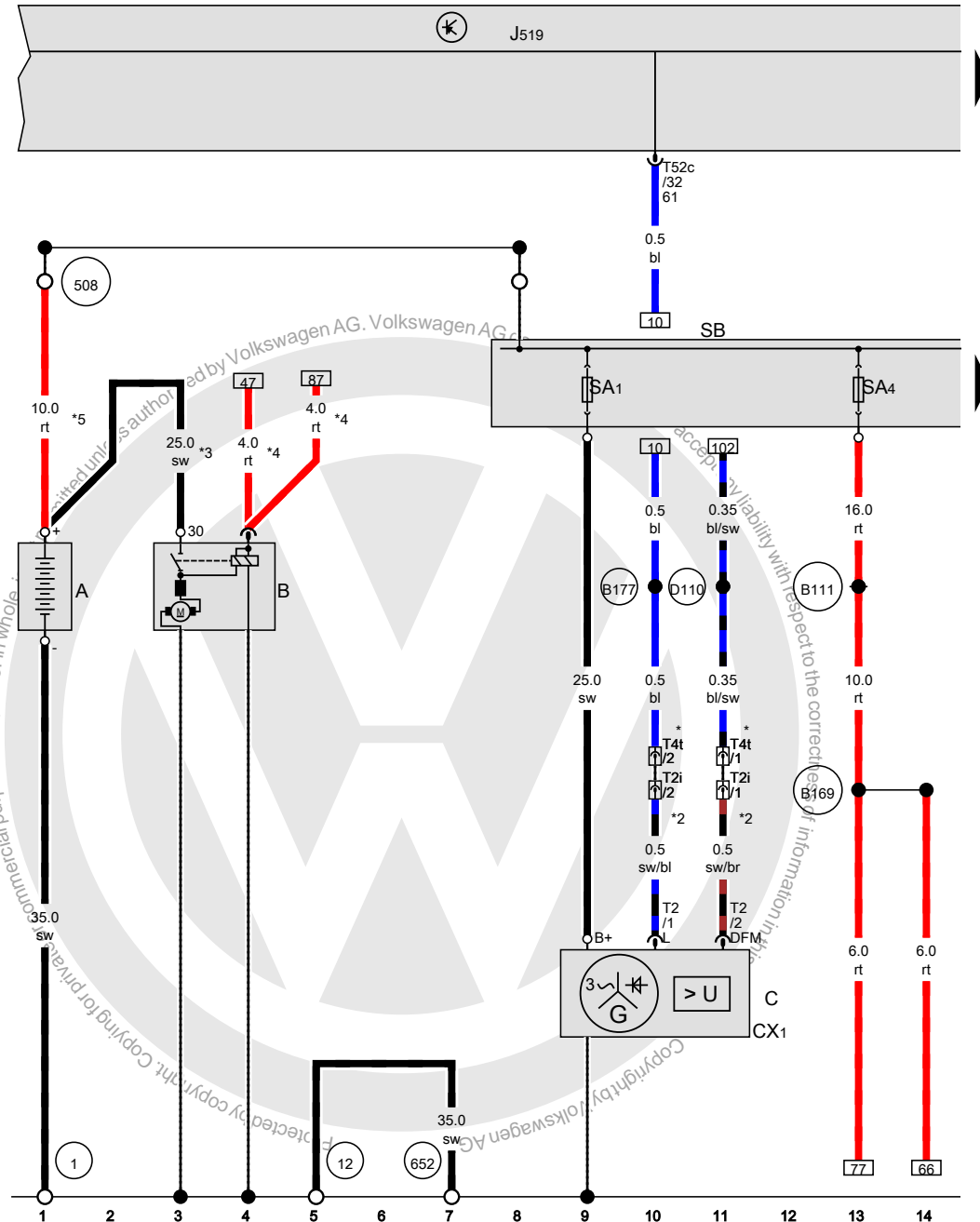
Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- CX1 Alternator with voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- D110 Connection 8 in engine compartment wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 Cross-section 35.0 possible
- *4 According to equipment
- *5 Cross-section 16.0 possible

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

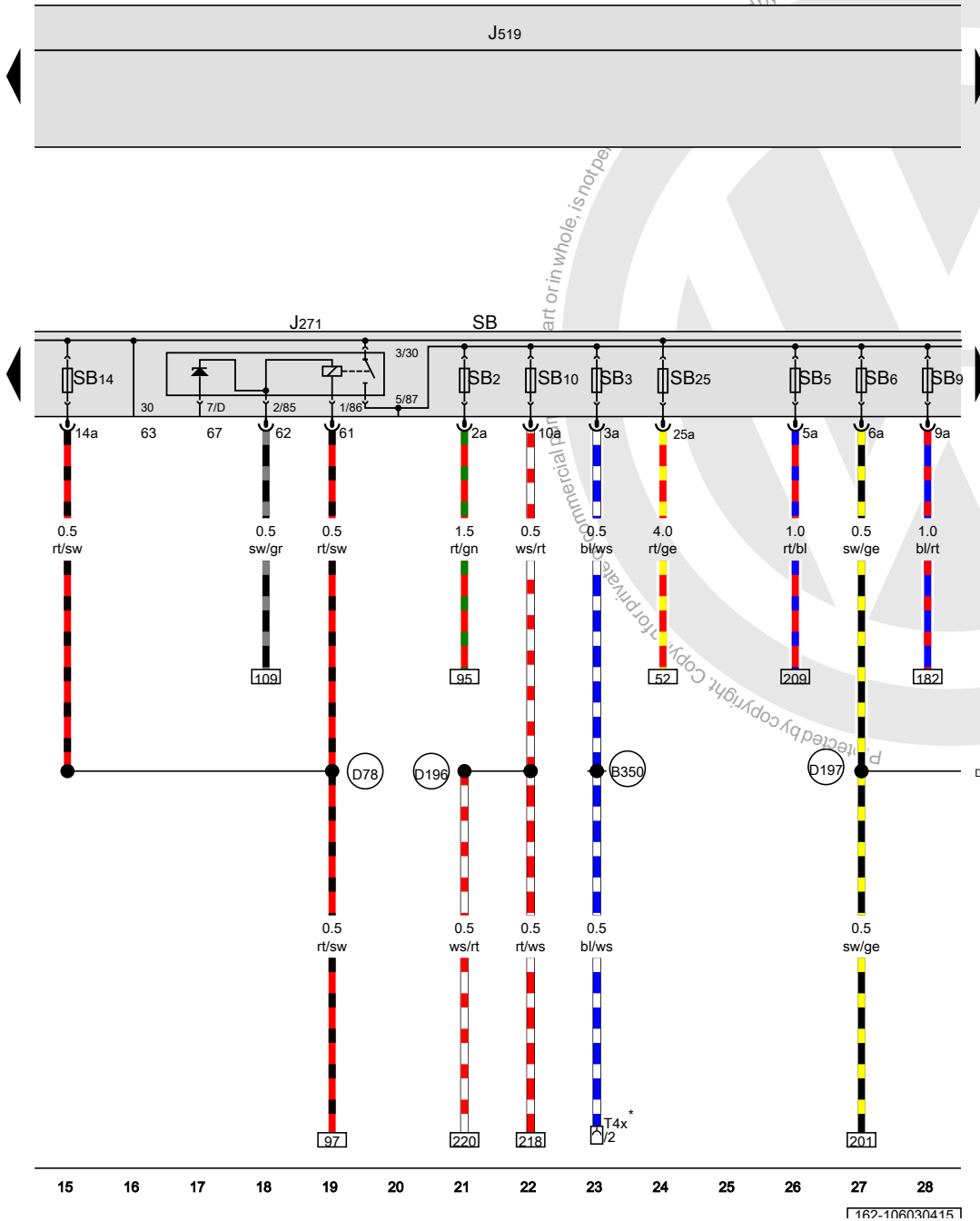


162-106020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T4x 4-pin connector

- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness
- * Radiator fan connection



- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

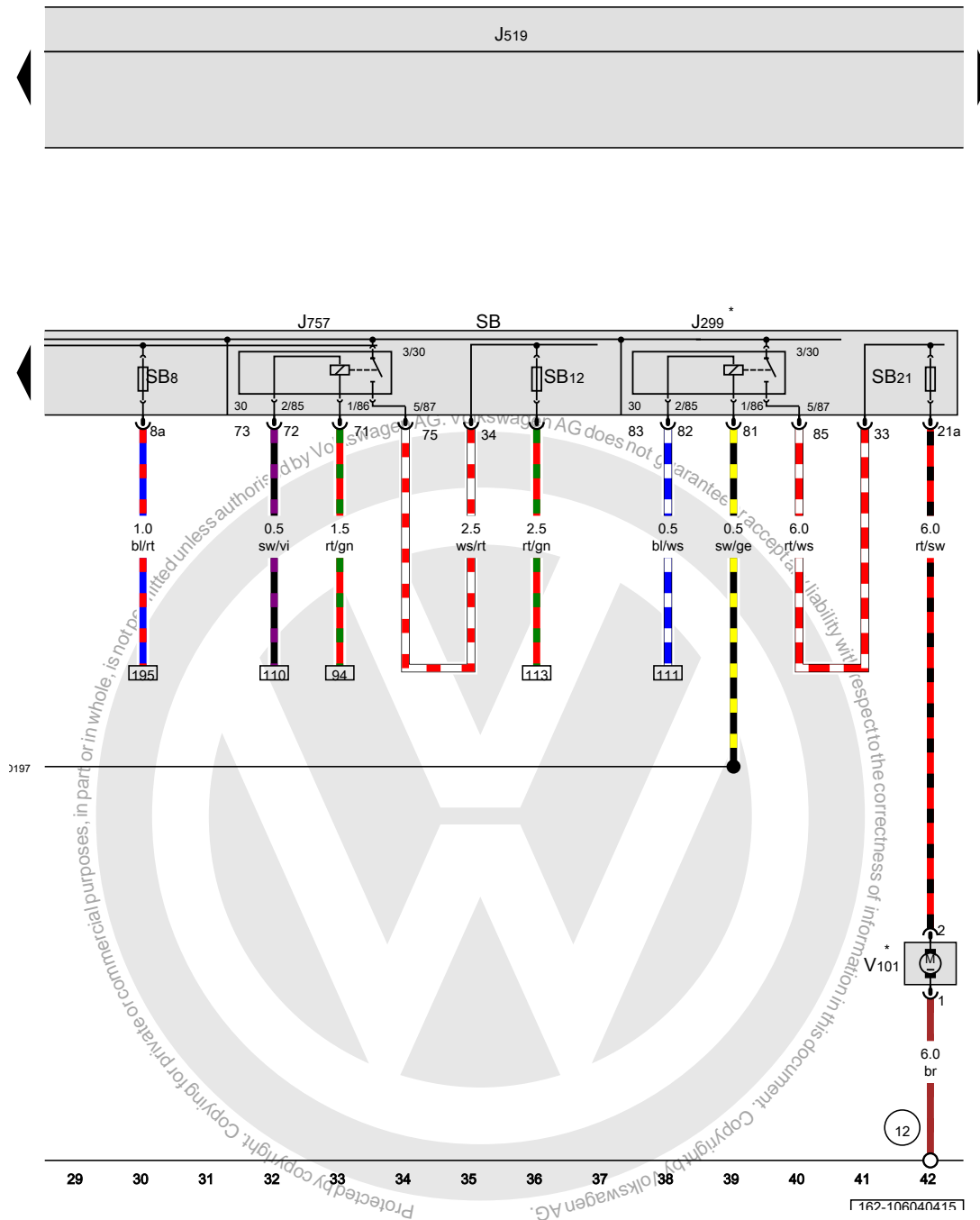
Secondary air pump relay, Onboard supply control unit, Engine component current supply relay, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- V101 Secondary air pump motor

12 Earth point, on left in engine compartment

D197 Connection 5 (87a) in engine compartment wiring harness

* Only for American markets

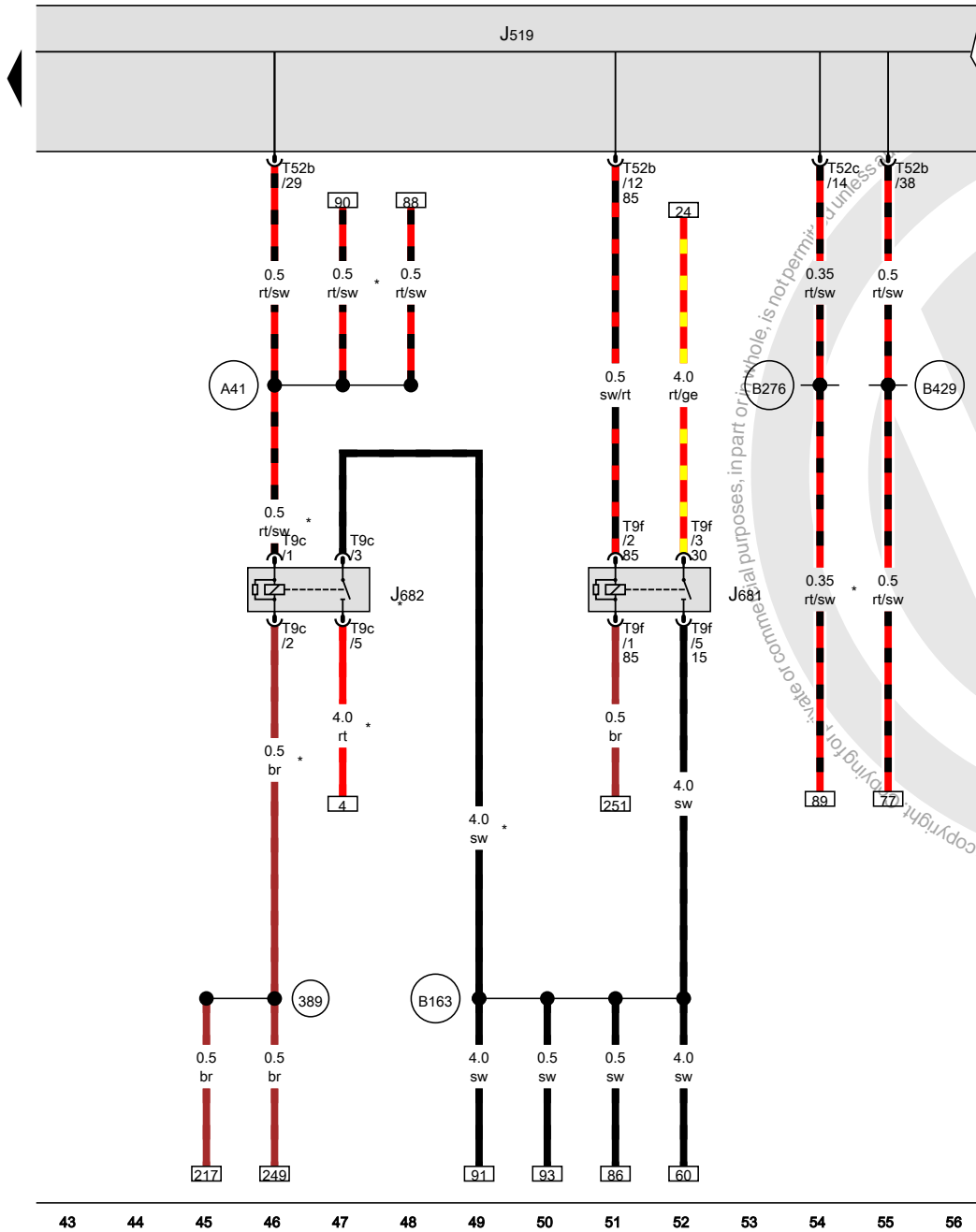


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- B429 Connection (EFPR), in main wiring harness
- * According to equipment



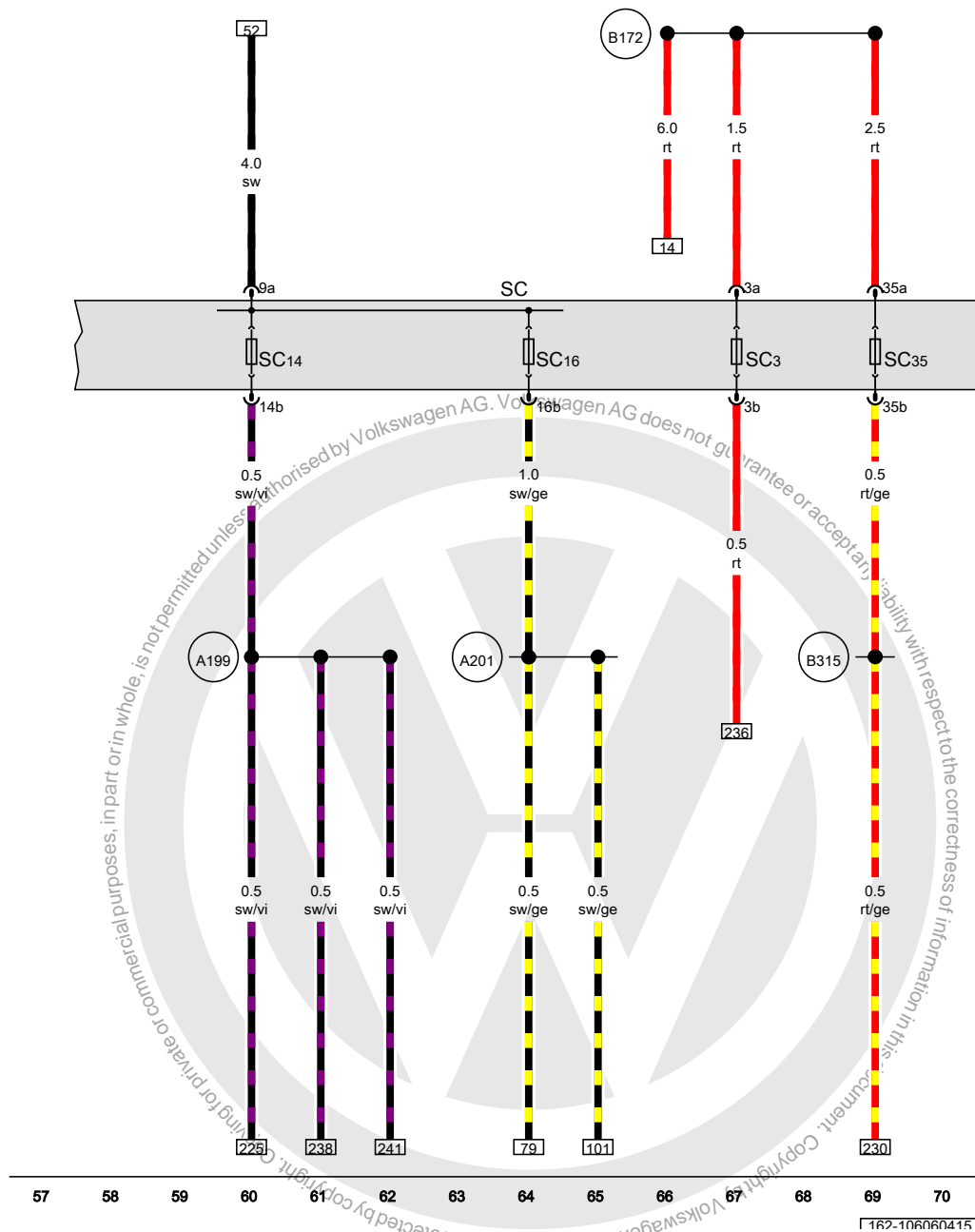
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

[162-106050415]

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B172) Positive connection 4 (30), in interior wiring harness
- (B315) Positive connection 1 (30a) in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

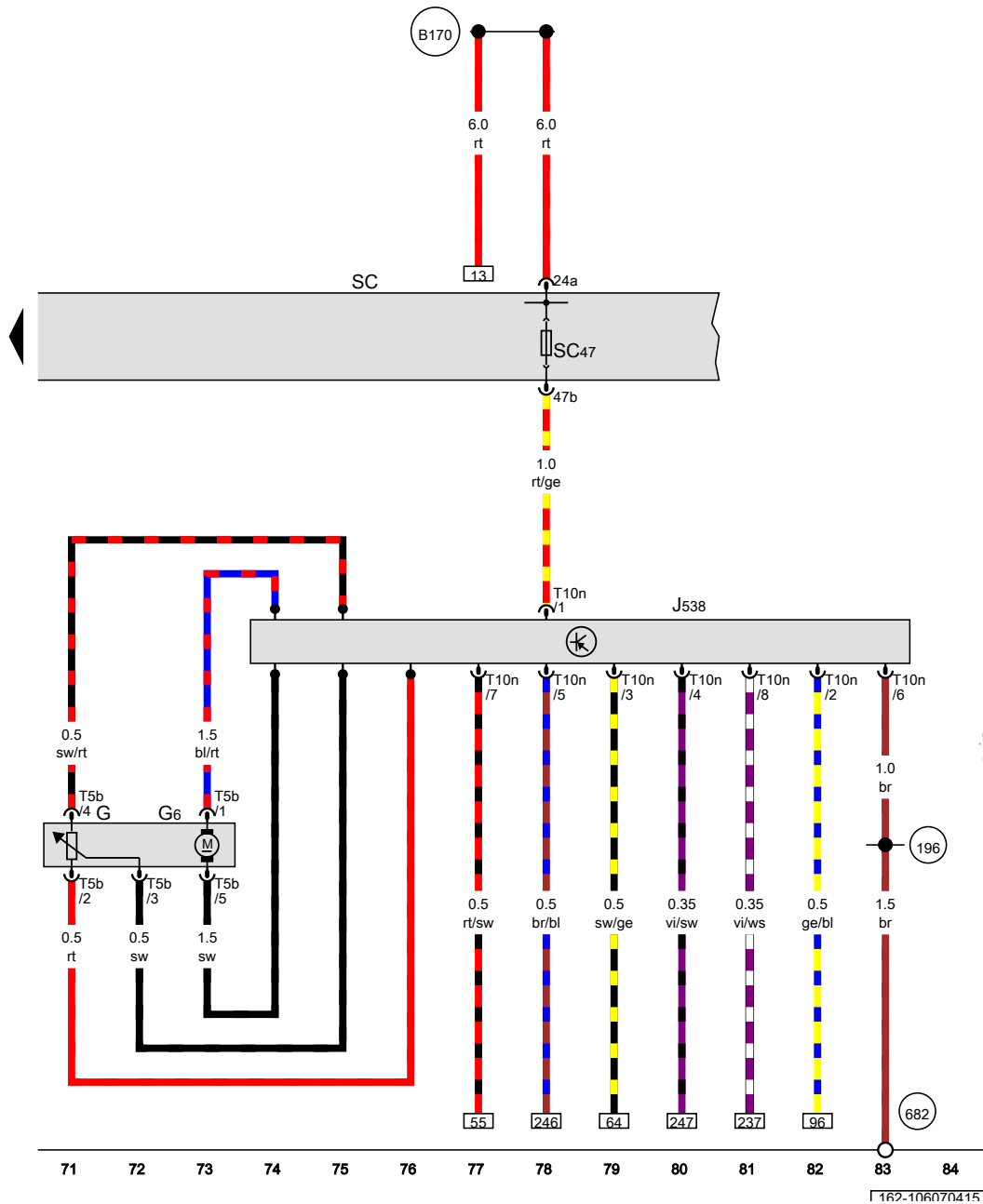
57 58 59 60 61 62 63 64 65 66 67 68 69 70

162-106060415

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump control unit, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5b 5-pin connector
- T10n 10-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B170 Positive connection 2 (30), in interior wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-106070415

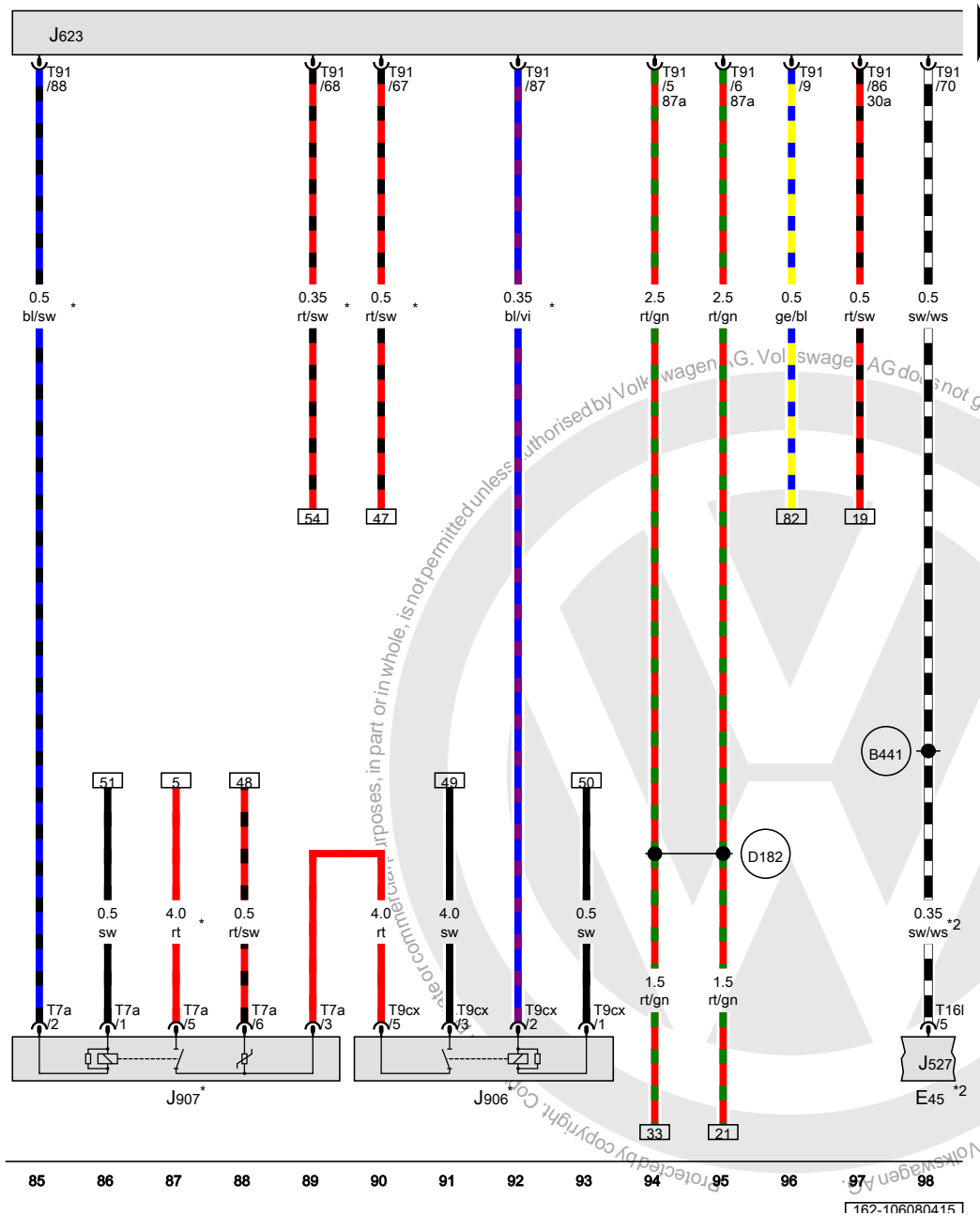
Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2
- T7a 7-pin connector
- T9cx 9-pin connector
- T16l 16-pin connector
- T91 91-pin connector

(B441) Connection (CCS), in main wiring harness

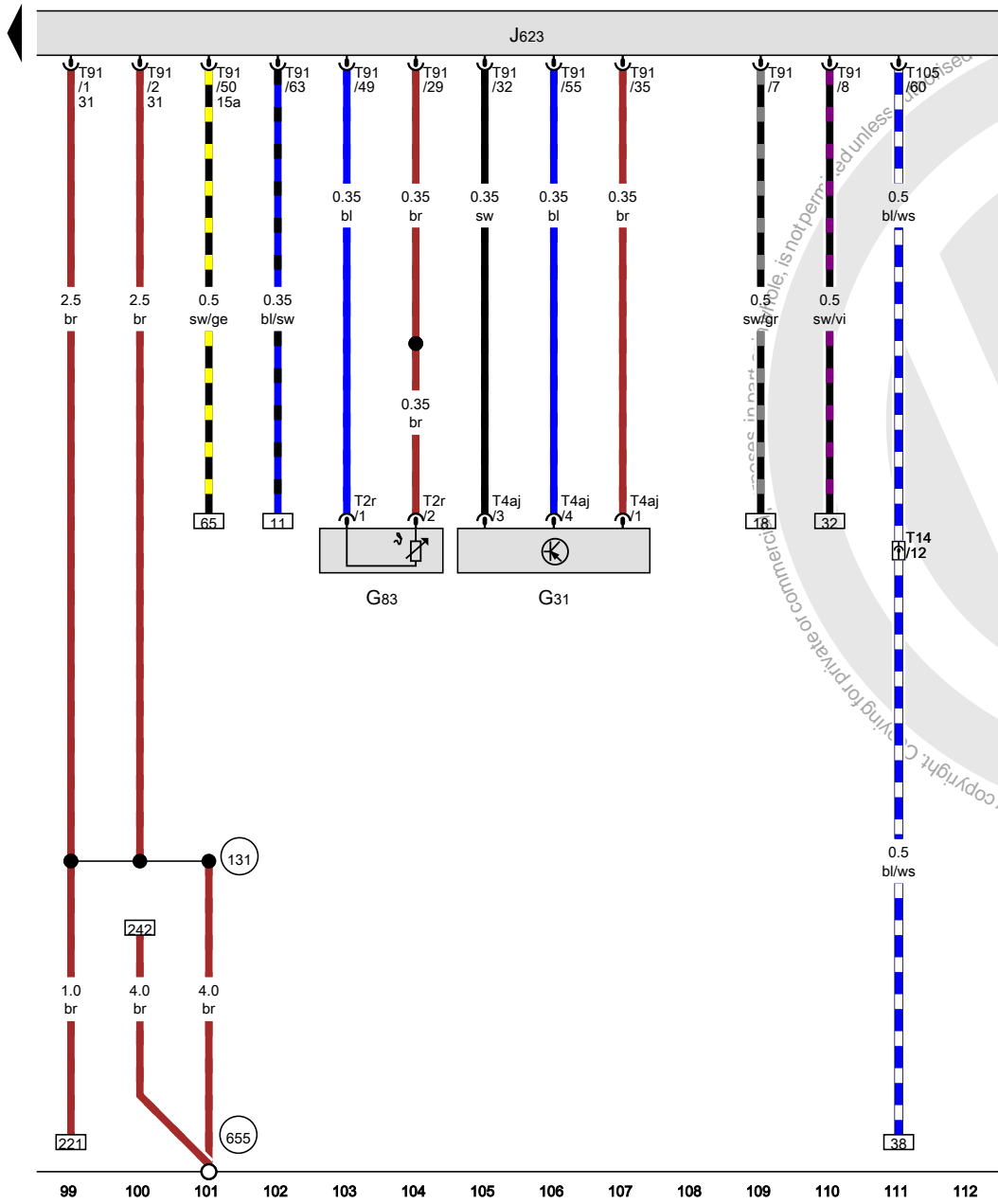
(D182) Connection 3 (87a) in engine compartment wiring harness

- * According to equipment
- *2 Only models with cruise control system (CCS)



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Charge pressure sender, Radiator outlet coolant temperature sender, Engine control unit

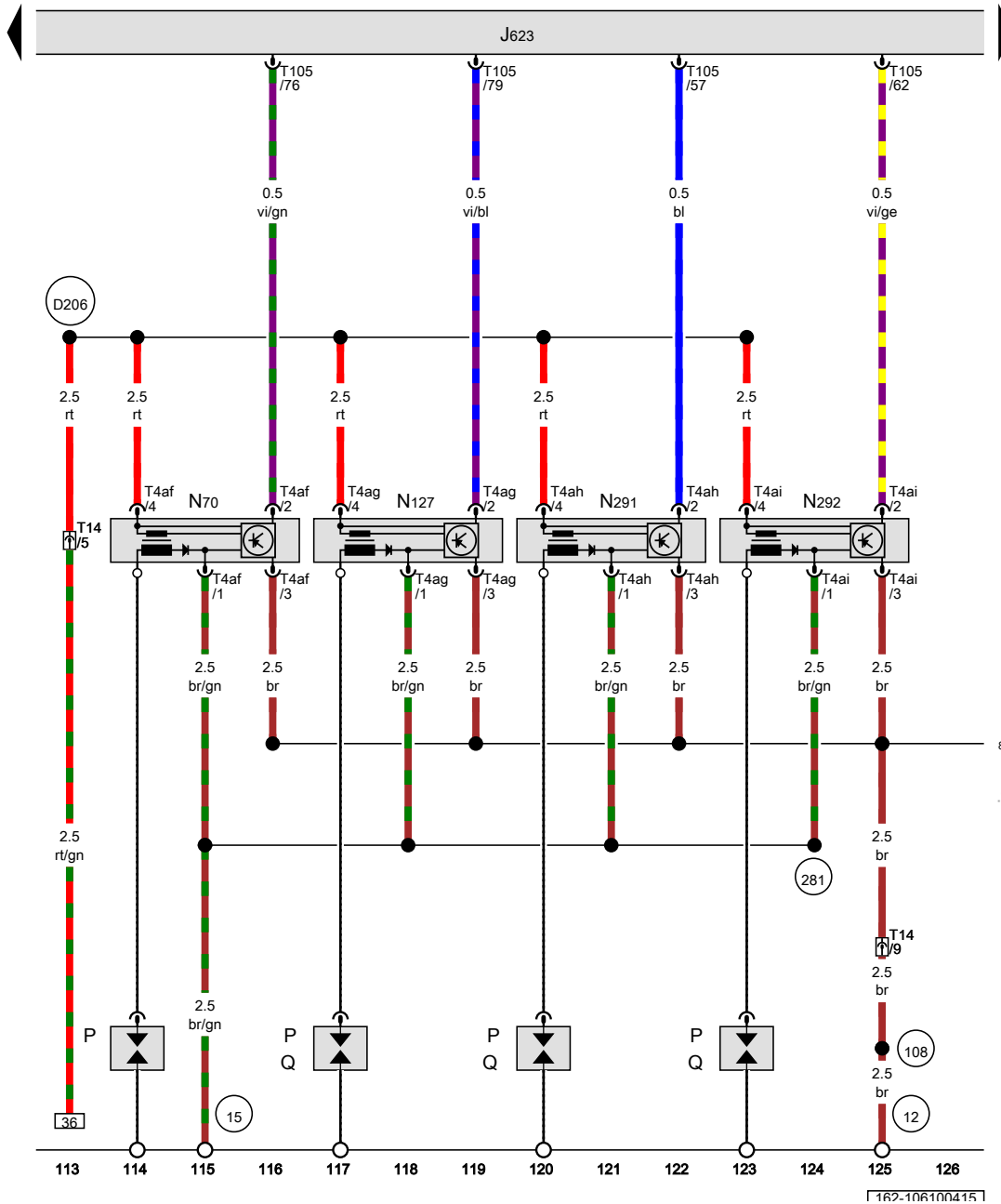


- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- J623 Engine control unit
- Q Spark plugs
- T2r 2-pin connector
- T4aj 4-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-106090415

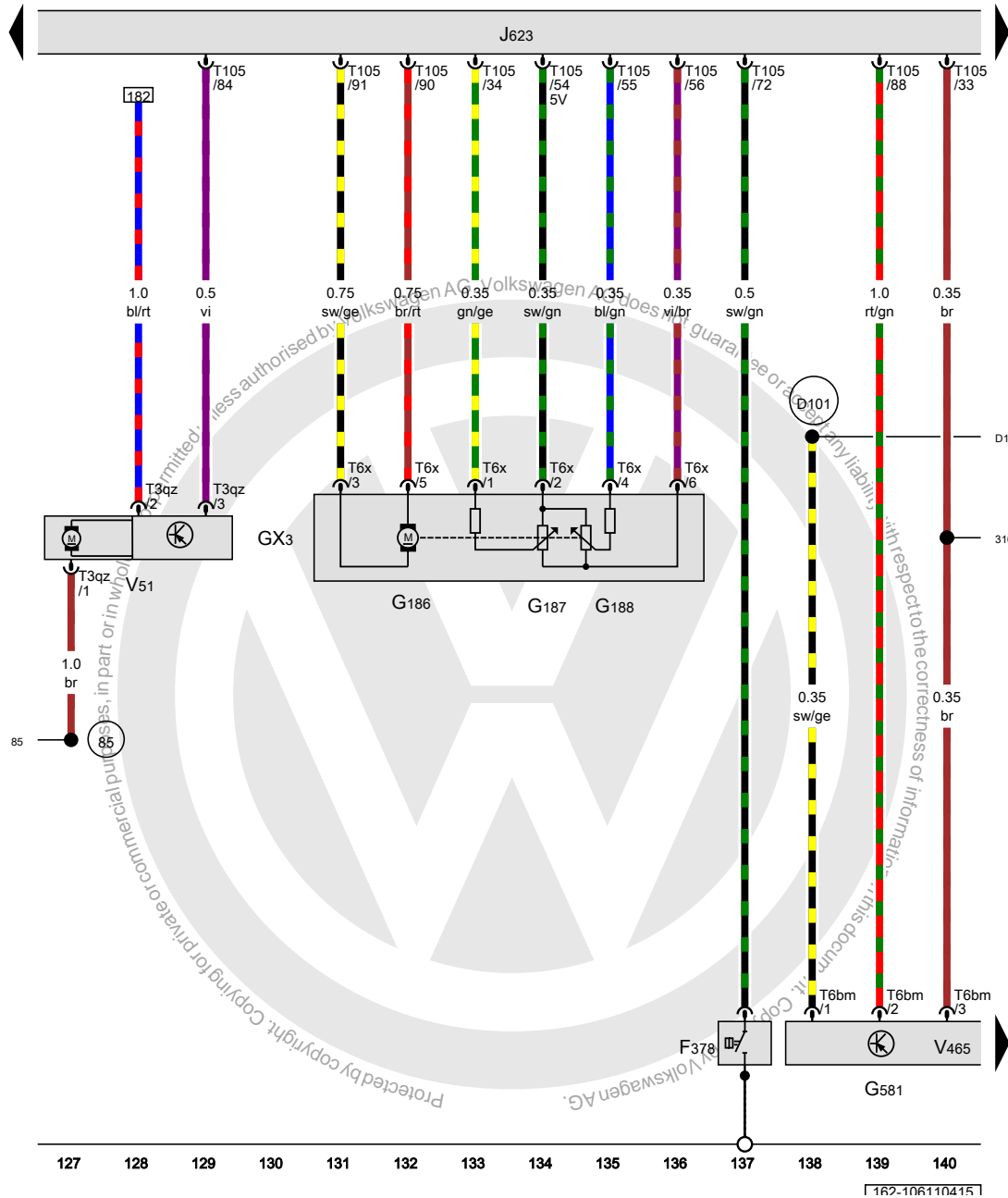
Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage



- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T105 105-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- ws = white
- sw = black
- to = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



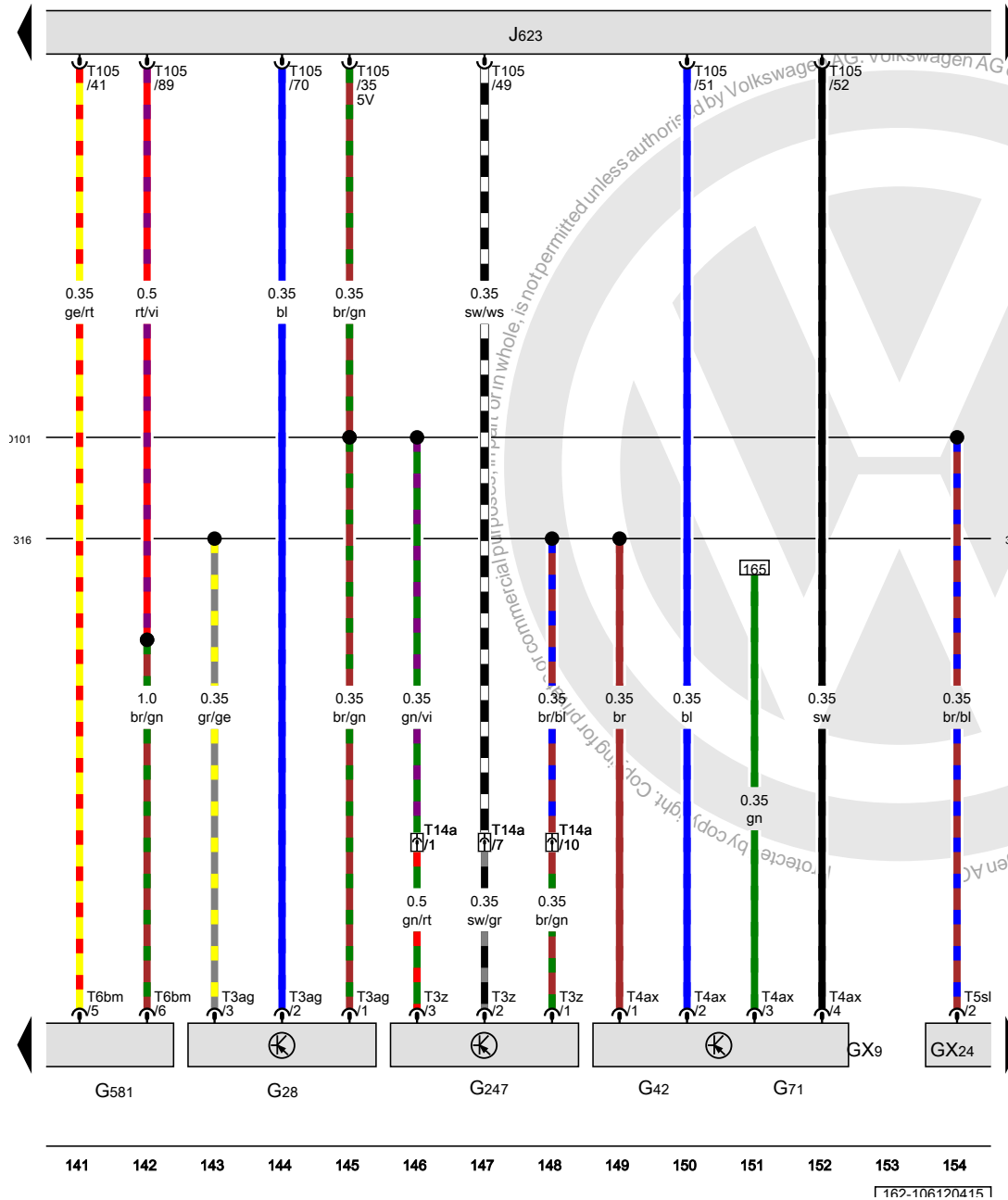
Oil pressure switch for reduced oil pressure, Throttle valve drive for electric throttle, Position sender for charge pressure positioner, Engine control unit, Continued coolant circulation pump

- F378 Oil pressure switch for reduced oil pressure
- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3qz 3-pin connector
- T6bm 6-pin connector
- T6x 6-pin connector
- T105 105-pin connector
- V51 Continued coolant circulation pump
- V465 Charge pressure positioner

- 85 Earth connection 1, in engine compartment wiring harness
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

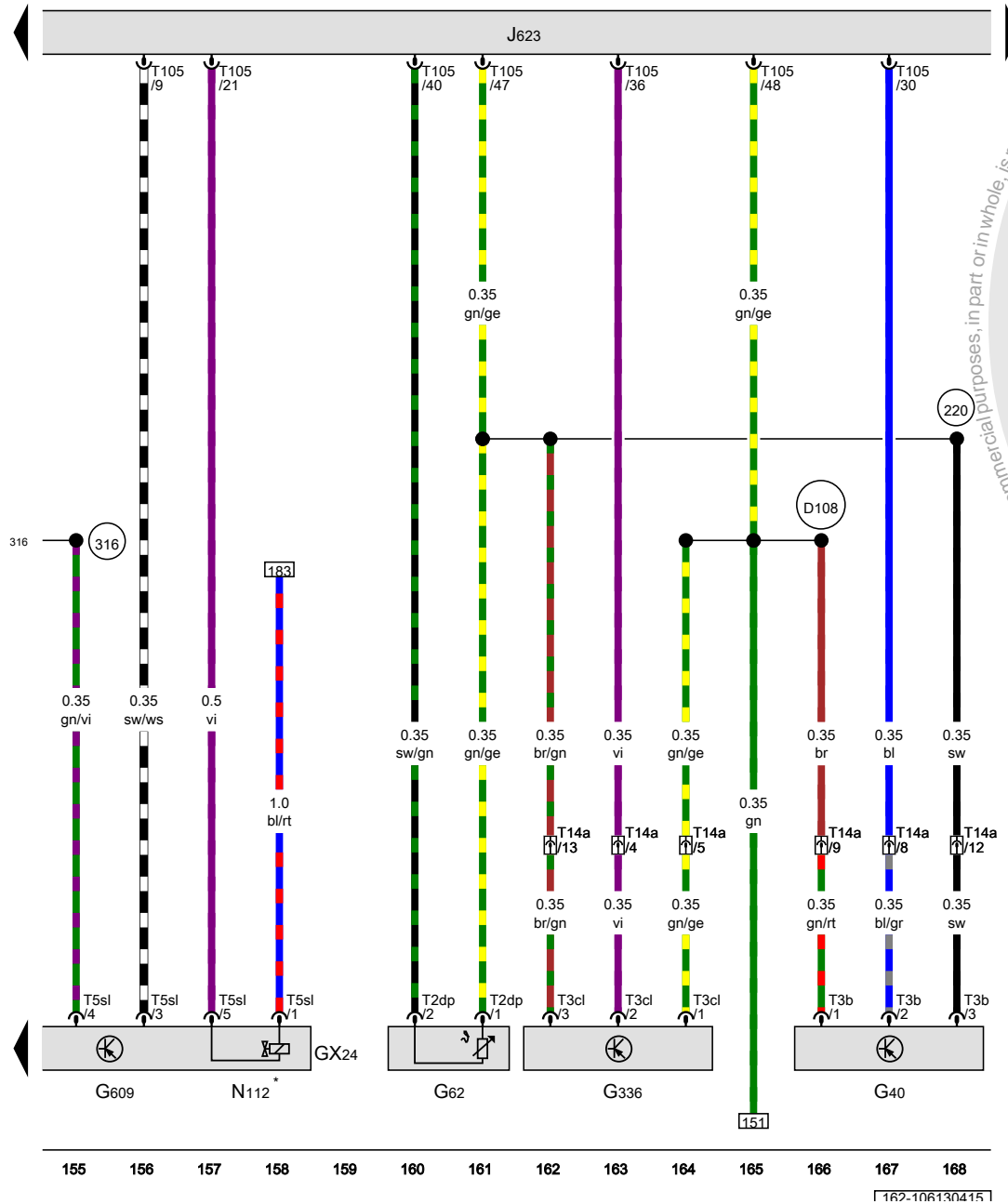
Intake manifold sender, Secondary air system, Engine speed sender, Fuel pressure sender, Position sender for charge pressure positioner, Engine control unit



- GX9 Intake manifold sender
- GX24 Secondary air system
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3ag 3-pin connector
- T3z 3-pin connector
- T4ax 4-pin connector
- T5sl 5-pin connector
- T6bm 6-pin connector
- T14a 14-pin connector
- T105 105-pin connector
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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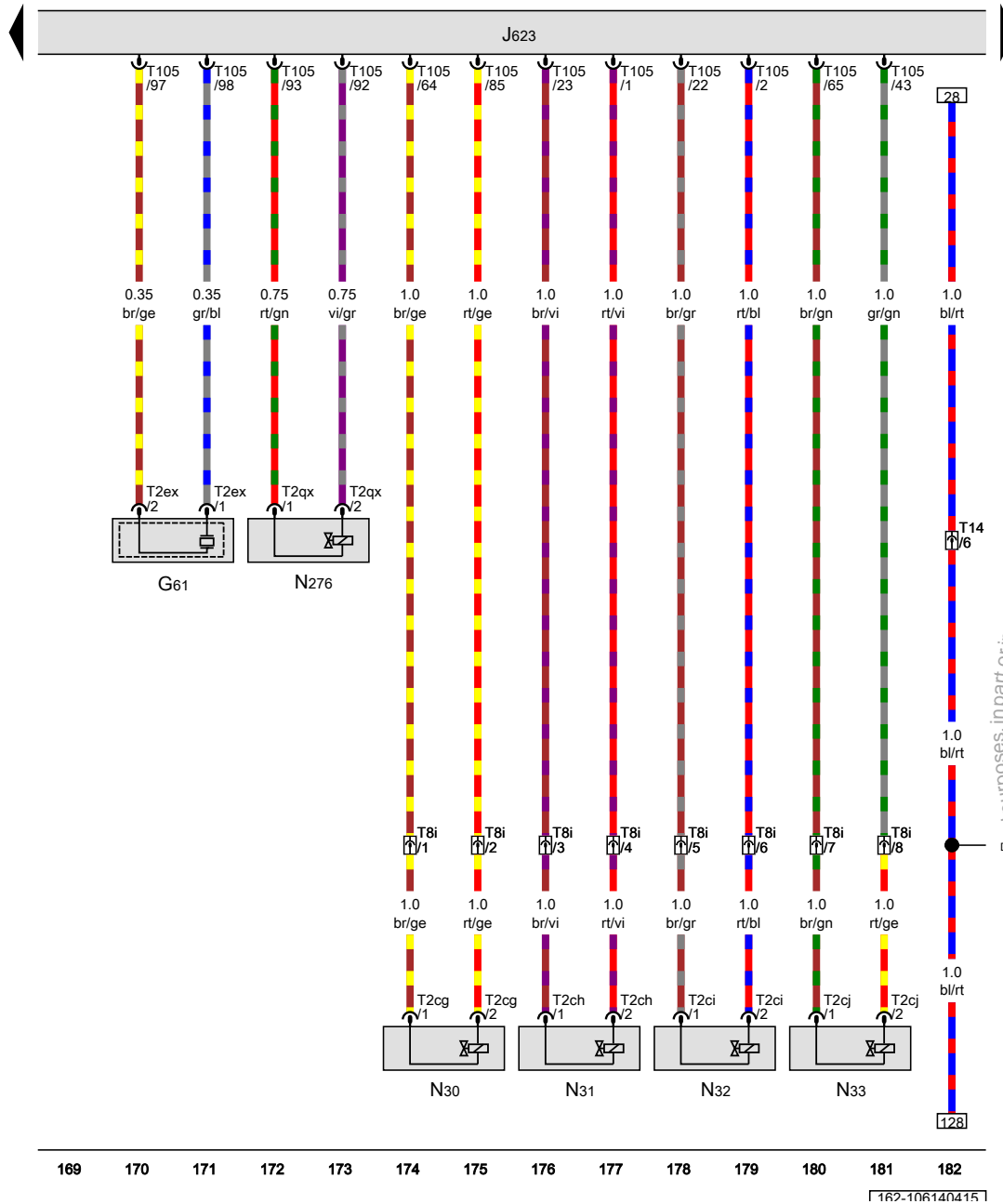
Secondary air system, Hall sender, Coolant temperature sender, Intake manifold flap potentiometer, Sender 1 for secondary air pressure, Engine control unit

- GX24 Secondary air system
- G40 Hall sender
- G62 Coolant temperature sender
- G336 Intake manifold flap potentiometer
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T2dp 2-pin connector
- T3b 3-pin connector
- T3cl 3-pin connector
- T5sl 5-pin connector
- T14a 14-pin connector
- T105 105-pin connector

- (220) Earth connection (sender earth), in engine wiring harness
- (316) Earth connection (sender earth 2) in engine wiring harness
- (D108) Connection 6 in engine compartment wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

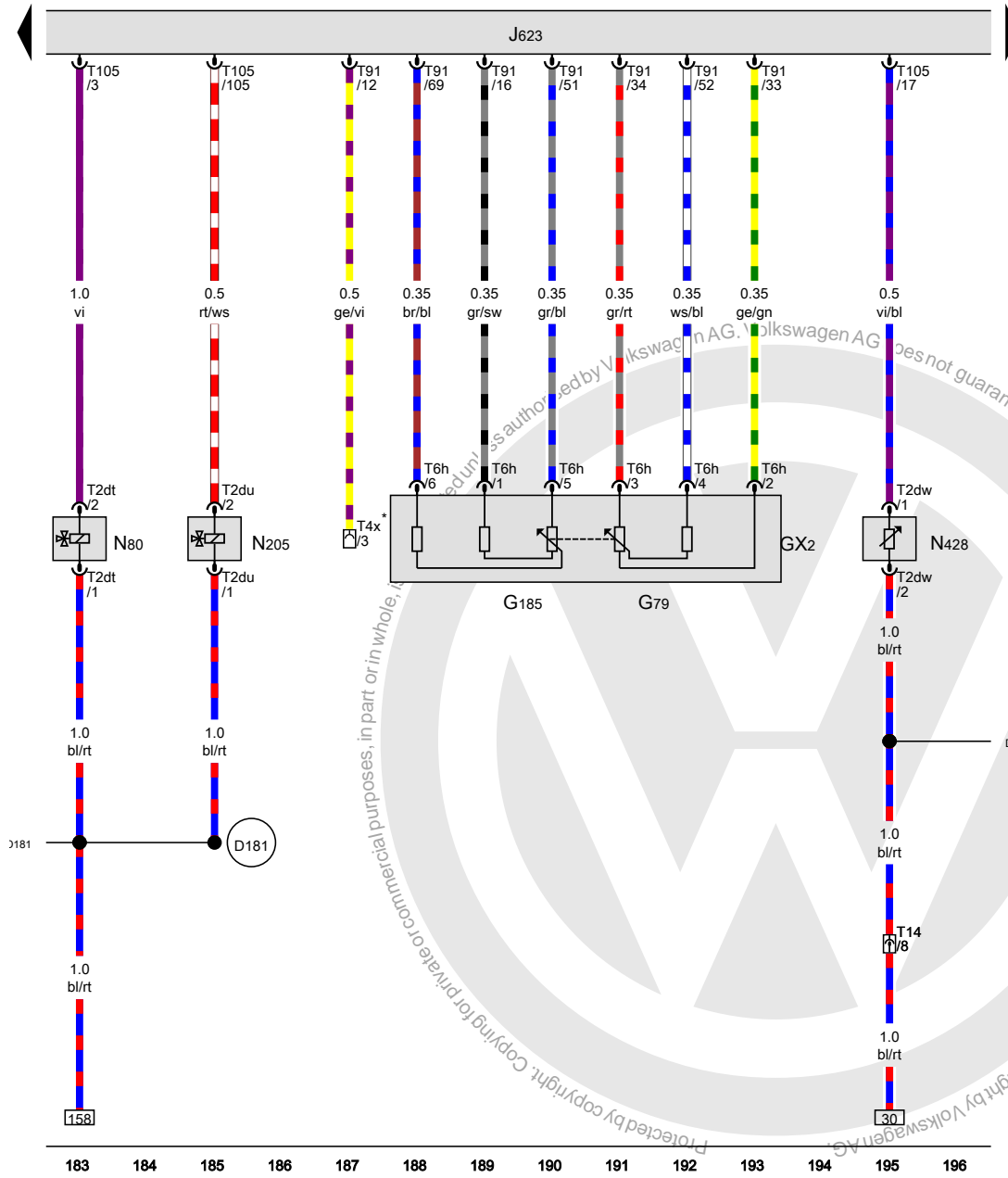
Knock sensor 1, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve



- G61 Knock sensor 1
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ex 2-pin connector
- T2qx 2-pin connector
- T8i 8-pin connector
- T14 14-pin connector
- T105 105-pin connector
- D181 Connection 2 (87a) in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal module, Accelerator position sender, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Valve for oil pressure control



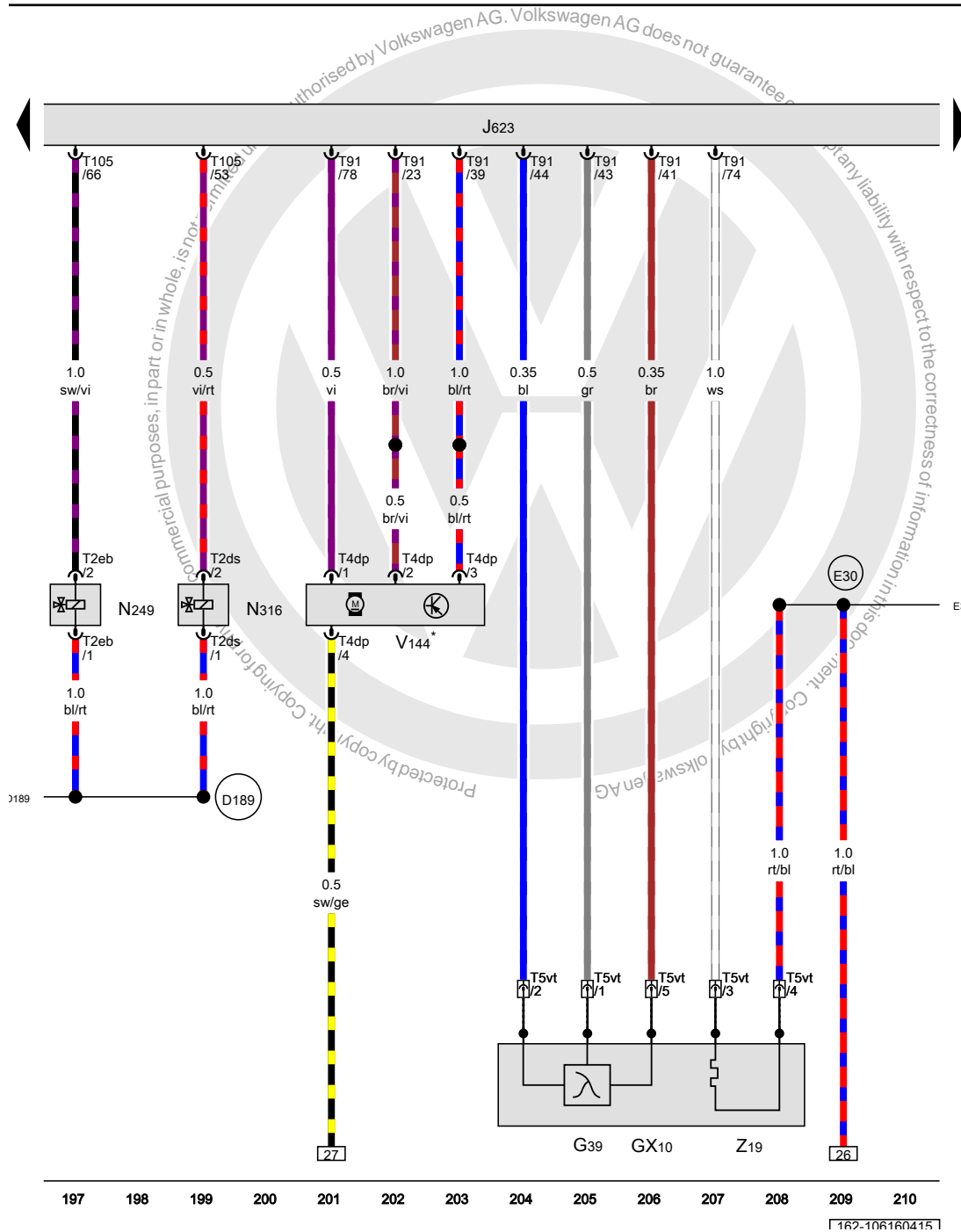
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector

D181 Connection 2 (87a) in engine compartment wiring harness

D189 Connection (87a) in engine prewiring harness

* Radiator fan connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Lambda probe 1 before catalytic converter, Engine control unit, Turbocharger air recirculation valve, Intake manifold flap valve, Fuel system diagnostic pump, Lambda probe heater

- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T2eb 2-pin connector
- T4dp 4-pin connector
- T5vt 5-pin connector
- T91 91-pin connector
- T105 105-pin connector
- V144 Fuel system diagnostic pump
- Z19 Lambda probe heater

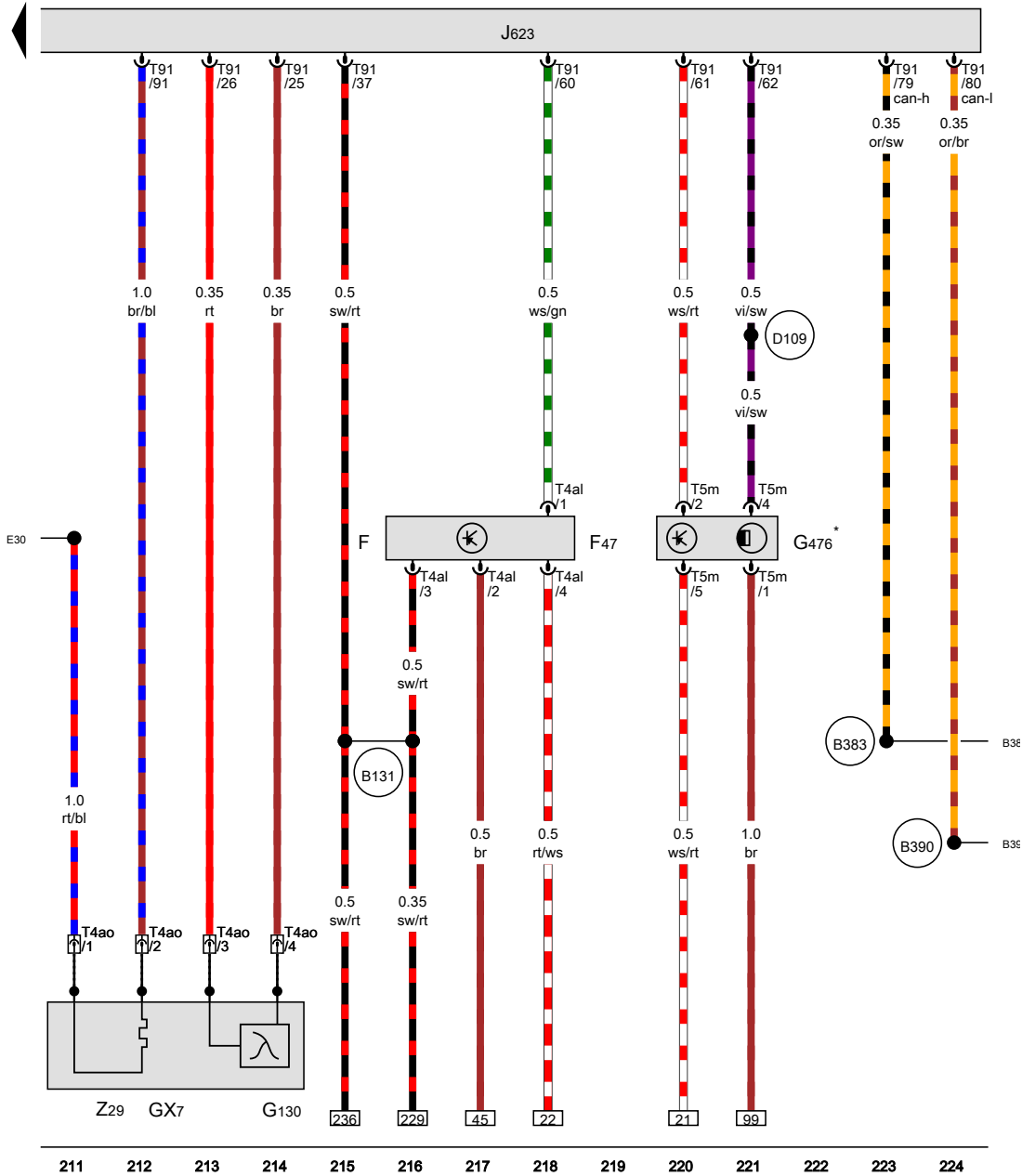
(D189) Connection (87a) in engine prewiring harness

(E30) Connection (87a), in engine wiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Brake pedal switch, Lambda probe 1 after catalytic converter, Lambda probe after catalytic converter, Clutch position sender, Engine control unit

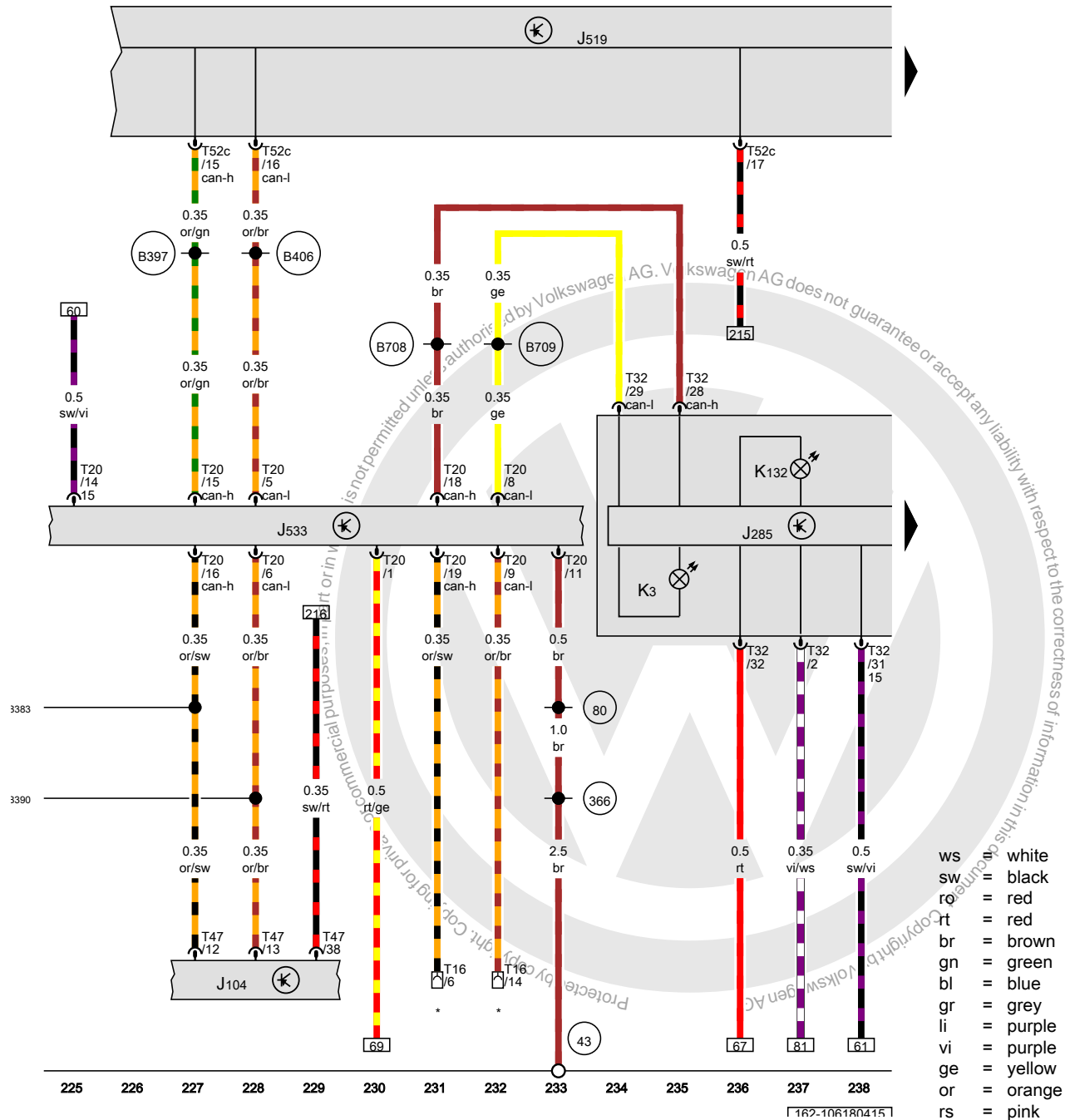


- F Brake light switch
- F47 Brake pedal switch
- GX7 Lambda probe 1 after catalytic converter
- G130 Lambda probe after catalytic converter
- G476 Clutch position sender
- J623 Engine control unit
- T4al 4-pin connector
- T4ao 4-pin connector
- T5m 5-pin connector
- T91 91-pin connector
- Z29 Lambda probe 1 heater after catalytic converter

- (B131) Connection (54), in interior wiring harness
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (D109) Connection 7 in engine compartment wiring harness
- (E30) Connection (87a), in engine wiring harness
- * Only models with manual gearbox

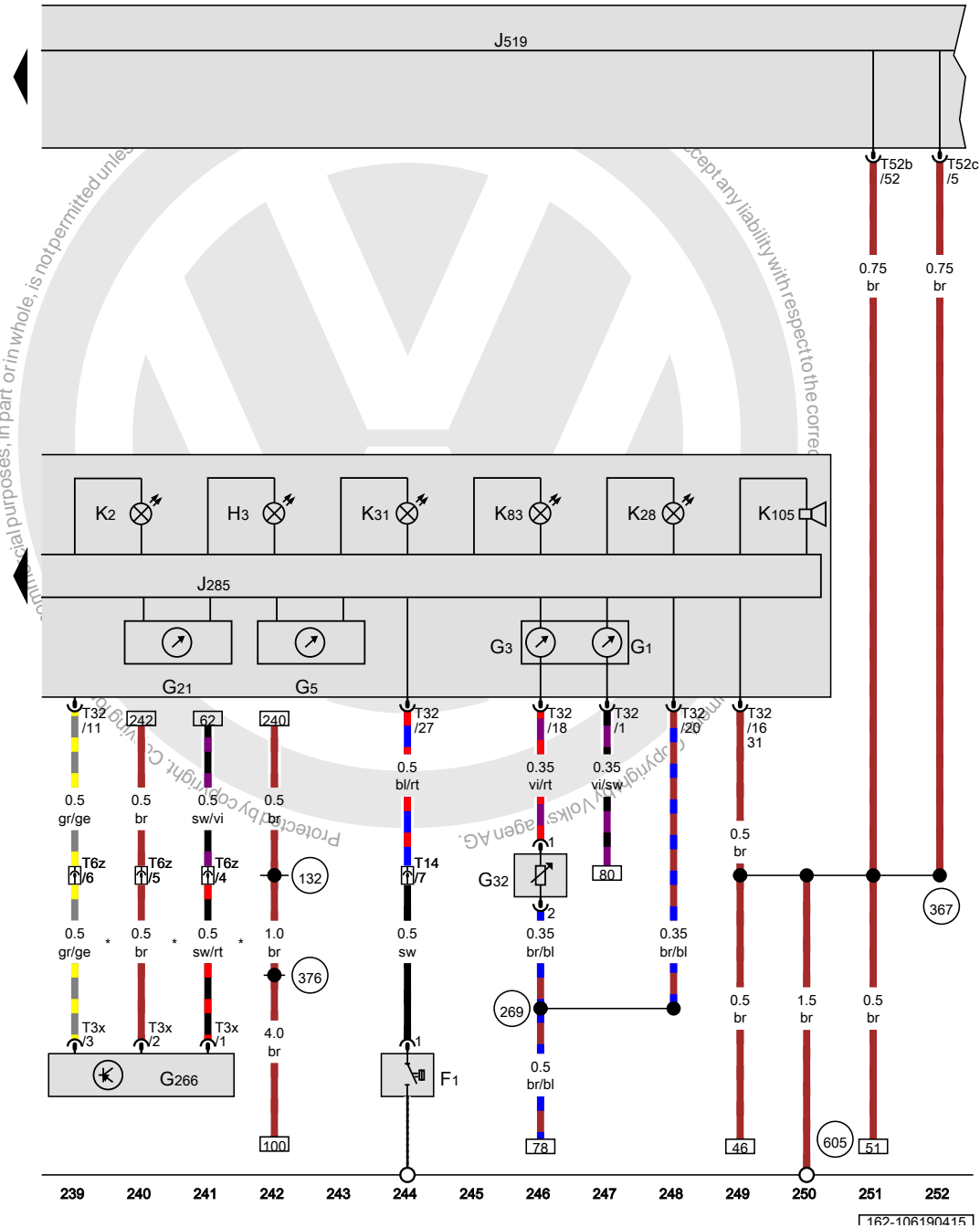
- ws = white
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- ge = yellow
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162-106170415



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Electronic power control fault lamp

- J104 ABS control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K3 Oil pressure warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector, near lower part of left A-pillar
- T20 20-pin connector
- T32 32-pin connector
- T47 47-pin connector
- T52c 52-pin connector
- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T3x 3-pin connector
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column

* Only models with no flexible service interval display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-106190415

Airbag systems , CRJA,(4UF)

From December 2012



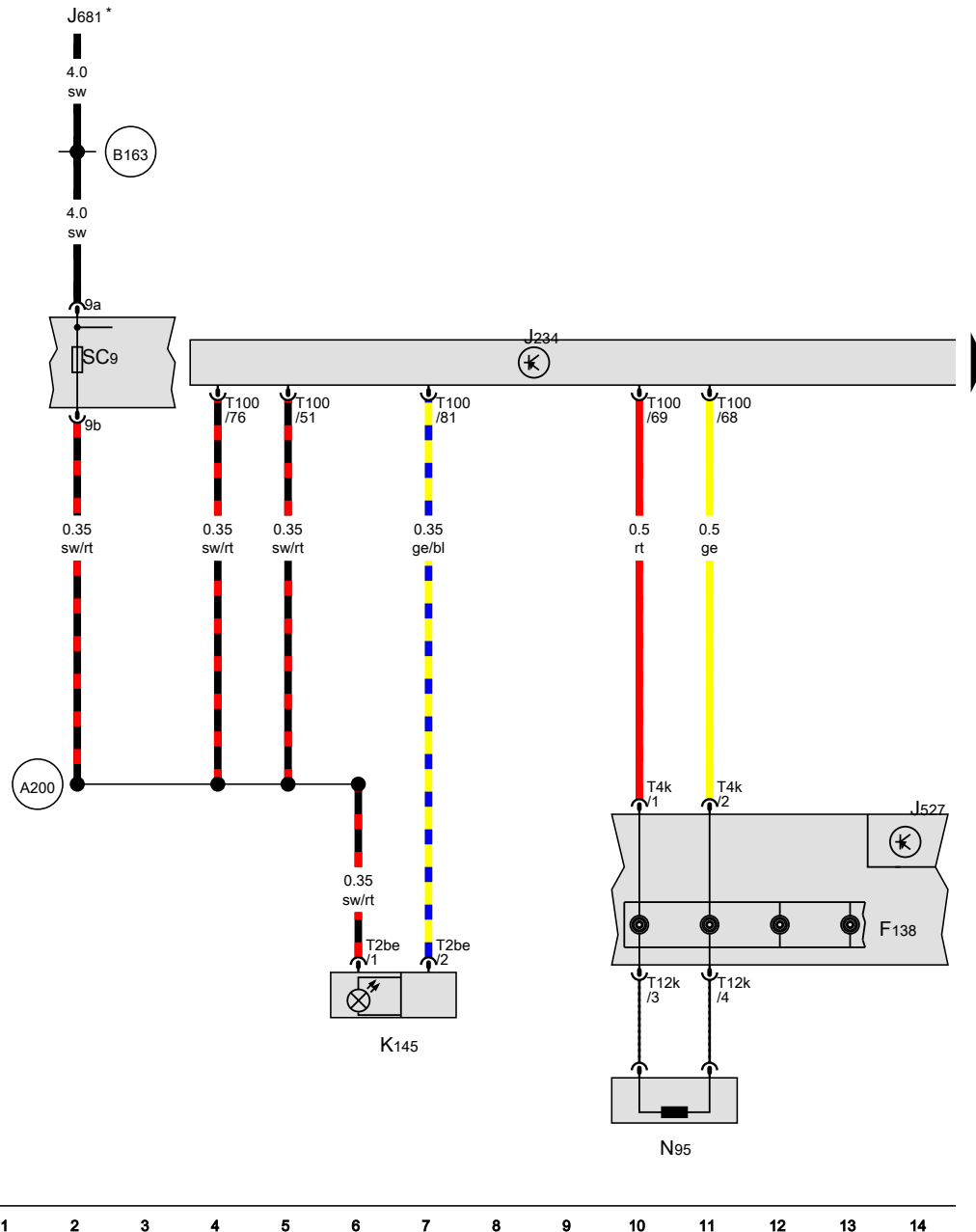
Airbag coil connector and return ring with slip ring, Airbag control unit, Steering column electronics control unit, Front passenger side airbag deactivated warning lamp, Driver side airbag igniter

- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- J527 Steering column electronics control unit
- J681 Terminal 15 voltage supply relay 2
- K145 Front passenger side airbag deactivated warning lamp
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- T2be 2-pin connector
- T4k 4-pin connector
- T9f 9-pin connector
- T12k 12-pin connector
- T100 100-pin connector

A200 Positive connection 5 (15a) in dash panel wiring harness

B163 Positive connection 1 (15), in interior wiring harness

* see applicable current flow diagram for basic equipment



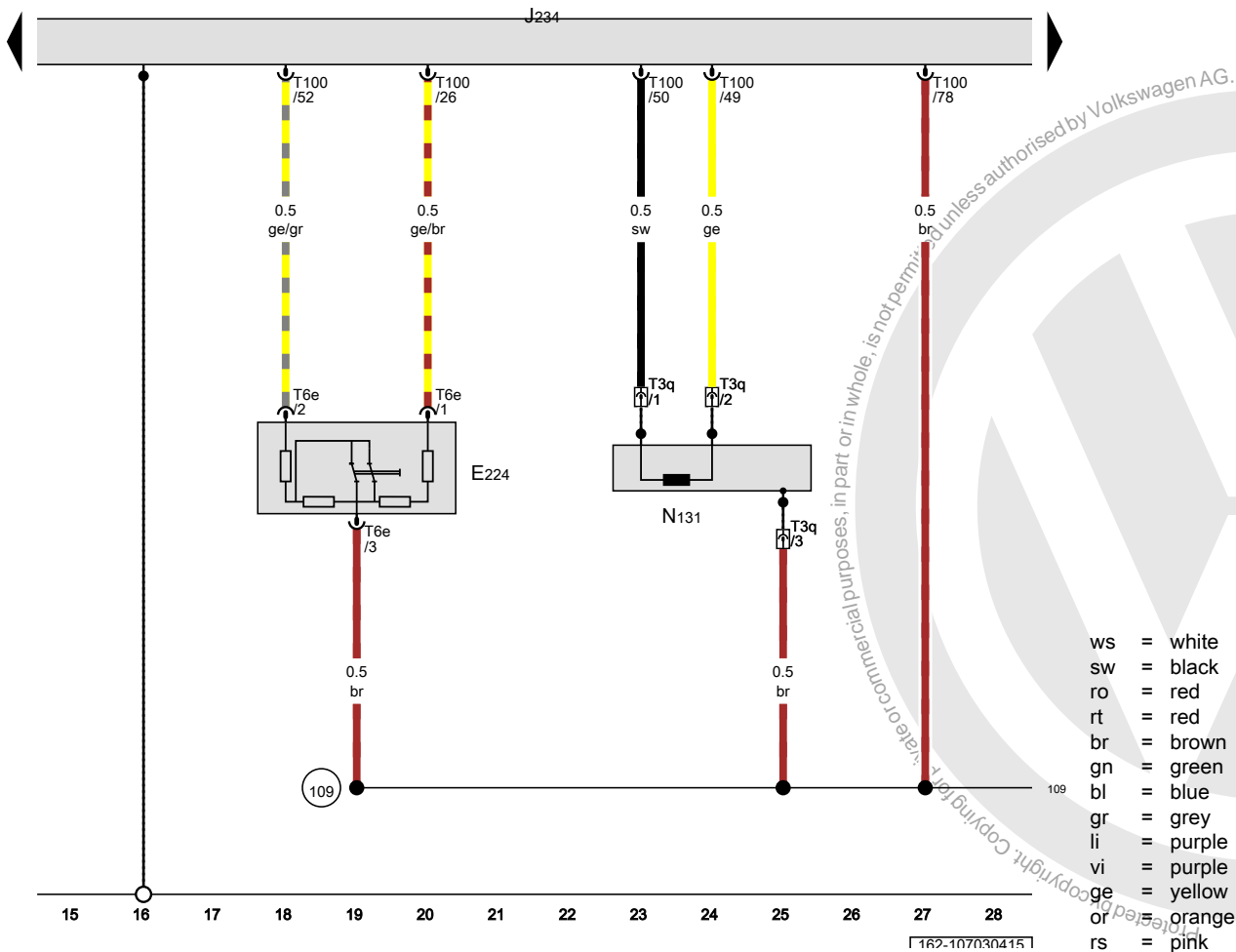
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

162-107020415

Airbag control unit, Front passenger side airbag igniter 1

- E224 Key operated switch to deactivate front passenger side airbag
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- T3q 3-pin connector
- T6e 6-pin connector
- T100 100-pin connector

109 Earth connection, in airbag wiring harness

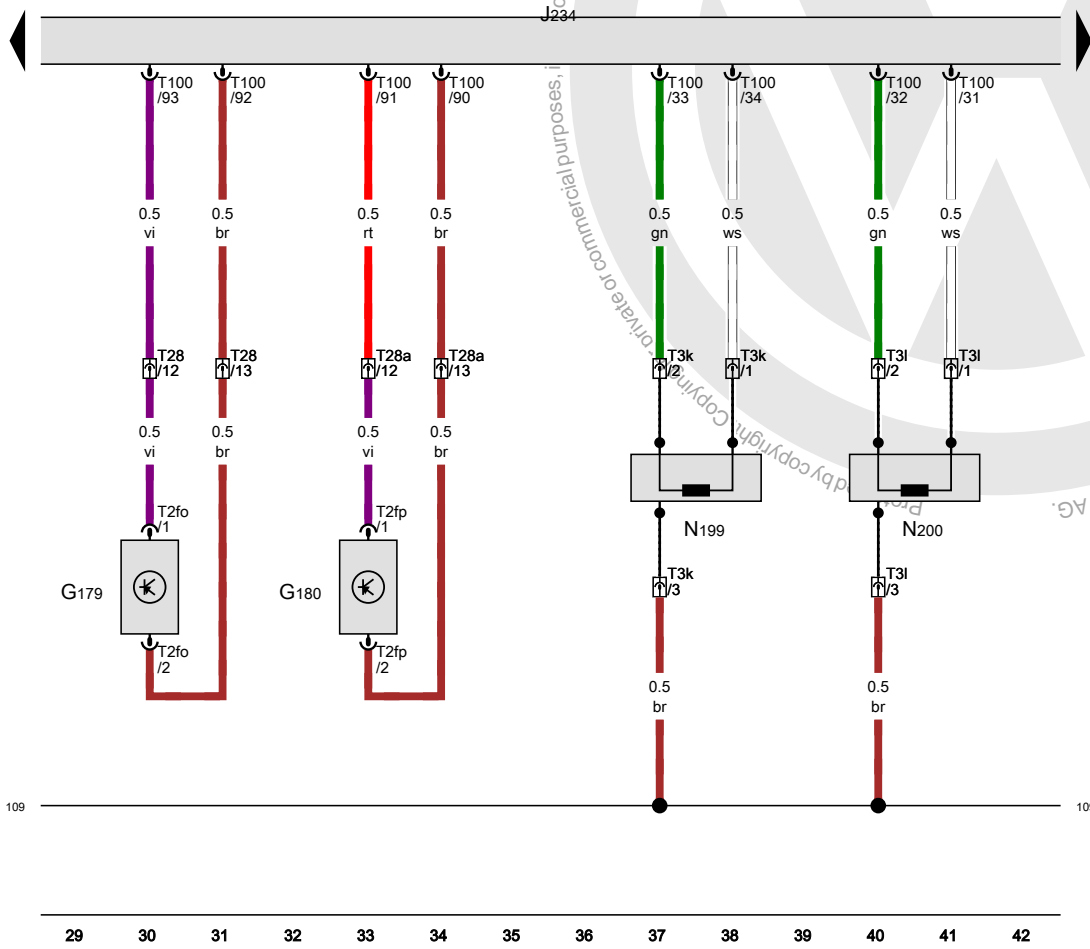


162-107030415

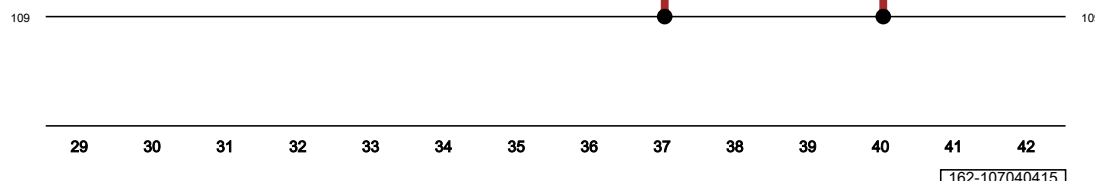
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- J234 Airbag control unit
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T2fo 2-pin connector
- T2fp 2-pin connector
- T3k 3-pin connector, under driver seat
- T3l 3-pin connector, under front passenger seat
- T28 28-pin connector
- T28a 28-pin connector
- T100 100-pin connector

109 Earth connection, in airbag wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

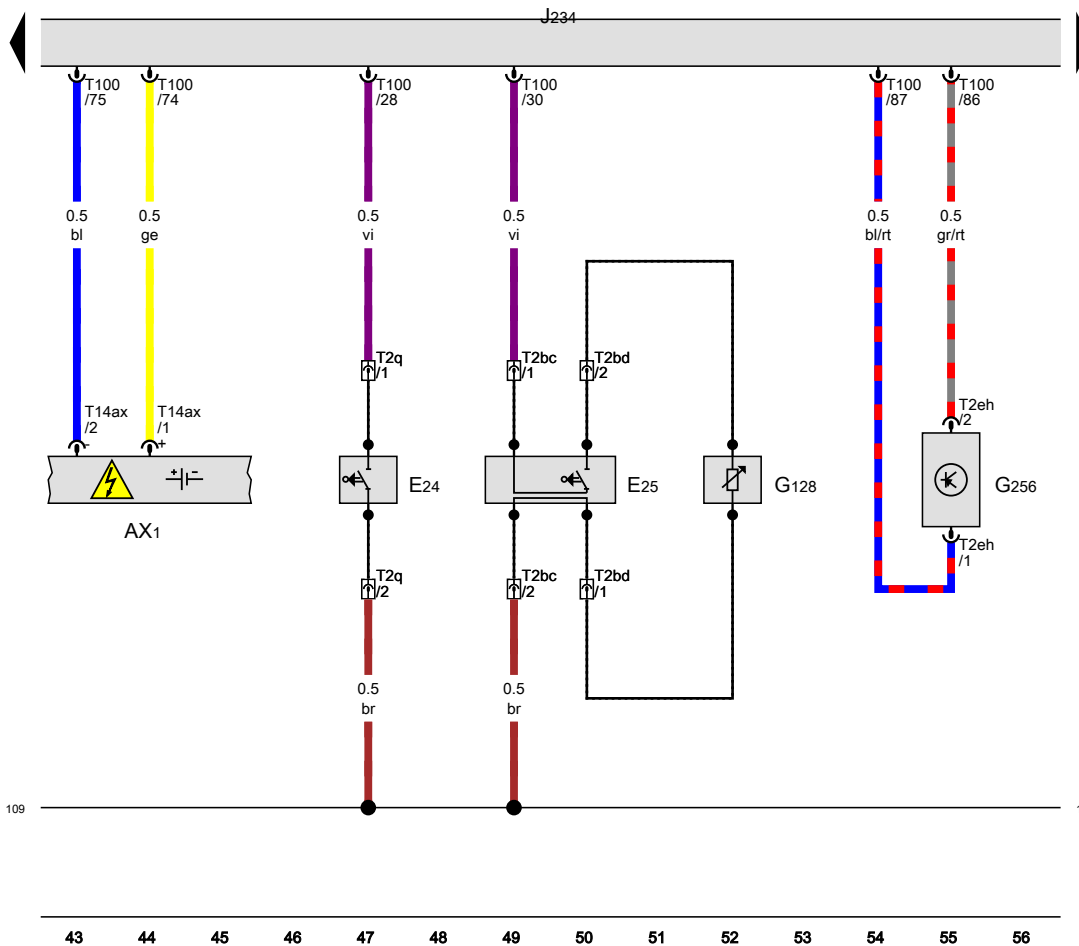


162-107040415

Hybrid battery unit, Driver side belt switch, Front passenger side belt switch, Rear side airbag crash sensor on driver side, Airbag control unit

- AX1 Hybrid battery unit
- E24 Driver side belt switch
- E25 Front passenger side belt switch
- G128 Seat occupied sensor, front passenger side
- G256 Rear side airbag crash sensor on driver side
- J234 Airbag control unit
- T2bc 2-pin connector, under front passenger seat
- T2bd 2-pin connector
- T2eh 2-pin connector
- T2q 2-pin connector, under driver seat
- T14ax 14-pin connector
- T100 100-pin connector

109 Earth connection, in airbag wiring harness



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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

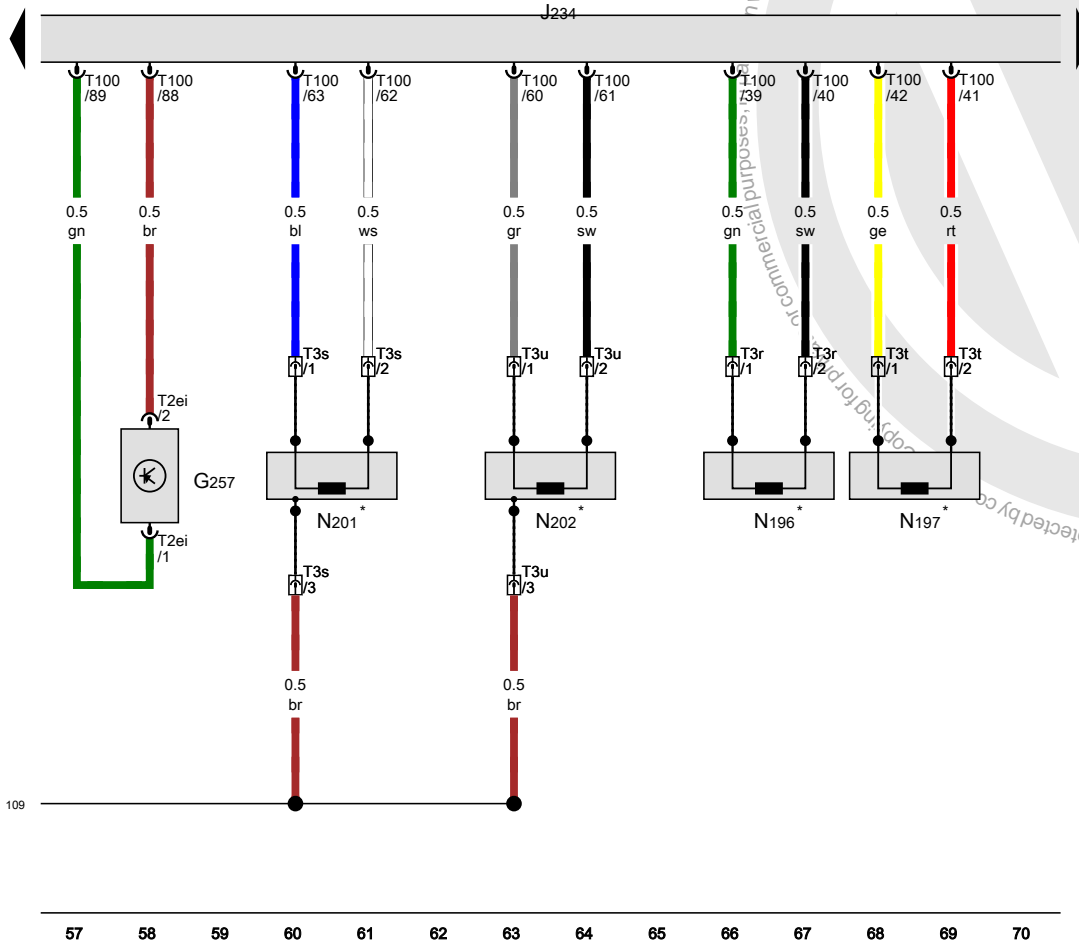
162-107050415

Rear side airbag crash sensor on front passenger side, Airbag control unit

- G257 Rear side airbag crash sensor on front passenger side
- J234 Airbag control unit
- N196 Rear belt tensioner igniter on driver side
- N197 Rear belt tensioner igniter on front passenger side
- N201 Rear side airbag igniter on driver side
- N202 Rear side airbag igniter on front passenger side
- T2ei 2-pin connector
- T3r 3-pin connector
- T3s 3-pin connector
- T3t 3-pin connector
- T3u 3-pin connector
- T100 100-pin connector

109 Earth connection, in airbag wiring harness

* According to equipment



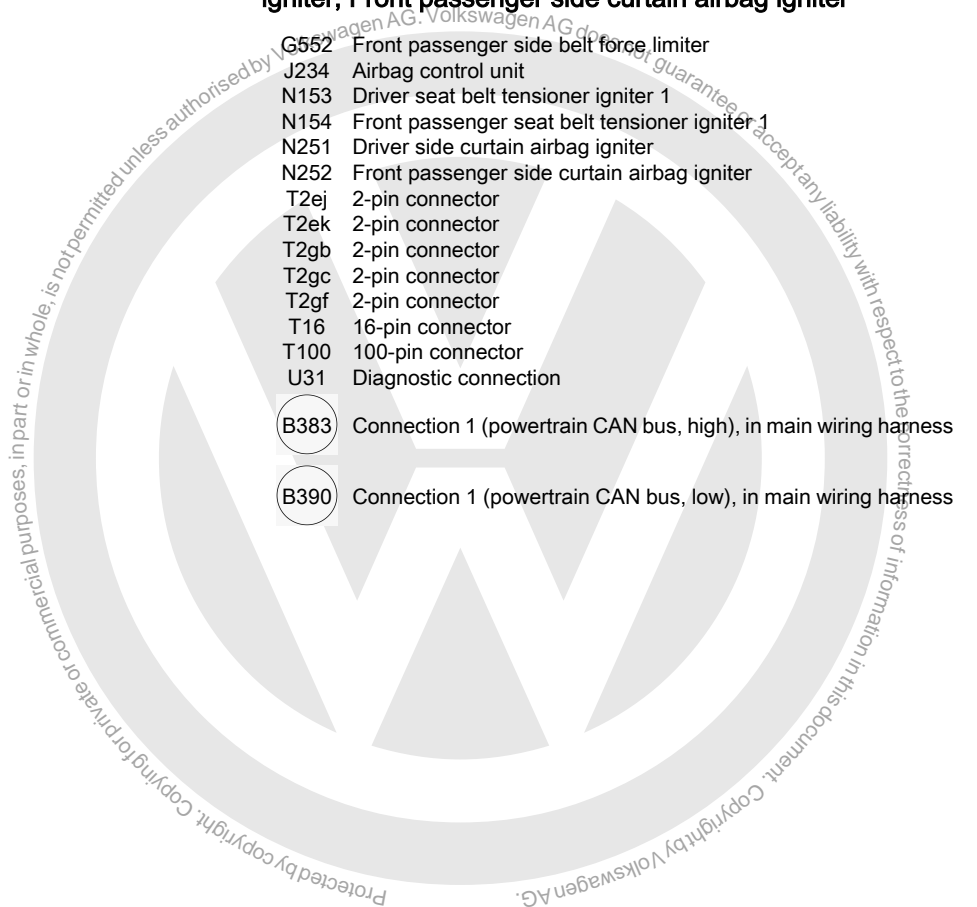
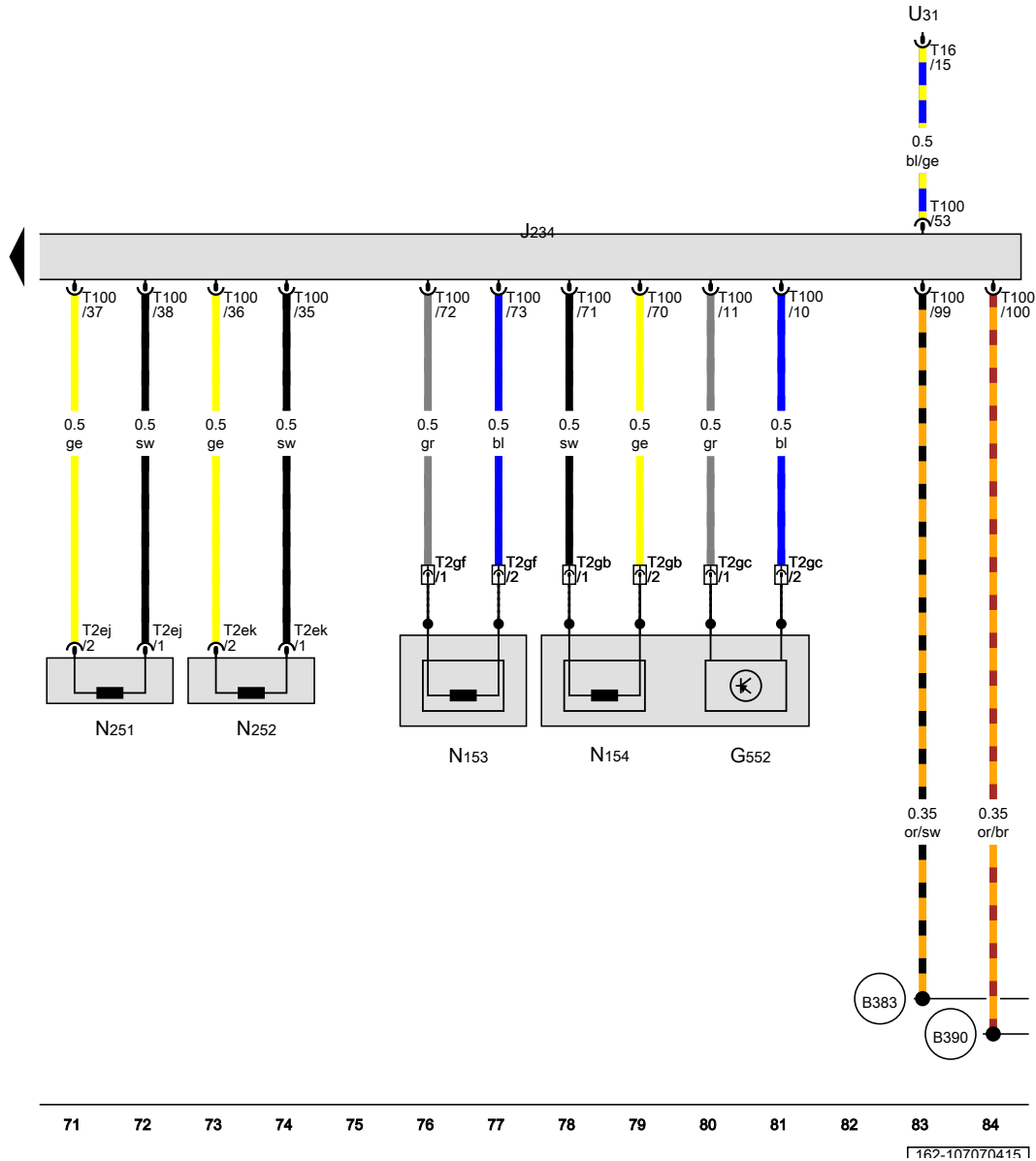
- ws = white
- sw = black
- ro = red
- rt = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-107060415

Front passenger side belt force limiter, Airbag control unit, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- G552 Front passenger side belt force limiter
- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ej 2-pin connector
- T2ek 2-pin connector
- T2gb 2-pin connector
- T2gc 2-pin connector
- T2gf 2-pin connector
- T16 16-pin connector
- T100 100-pin connector
- U31 Diagnostic connection

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

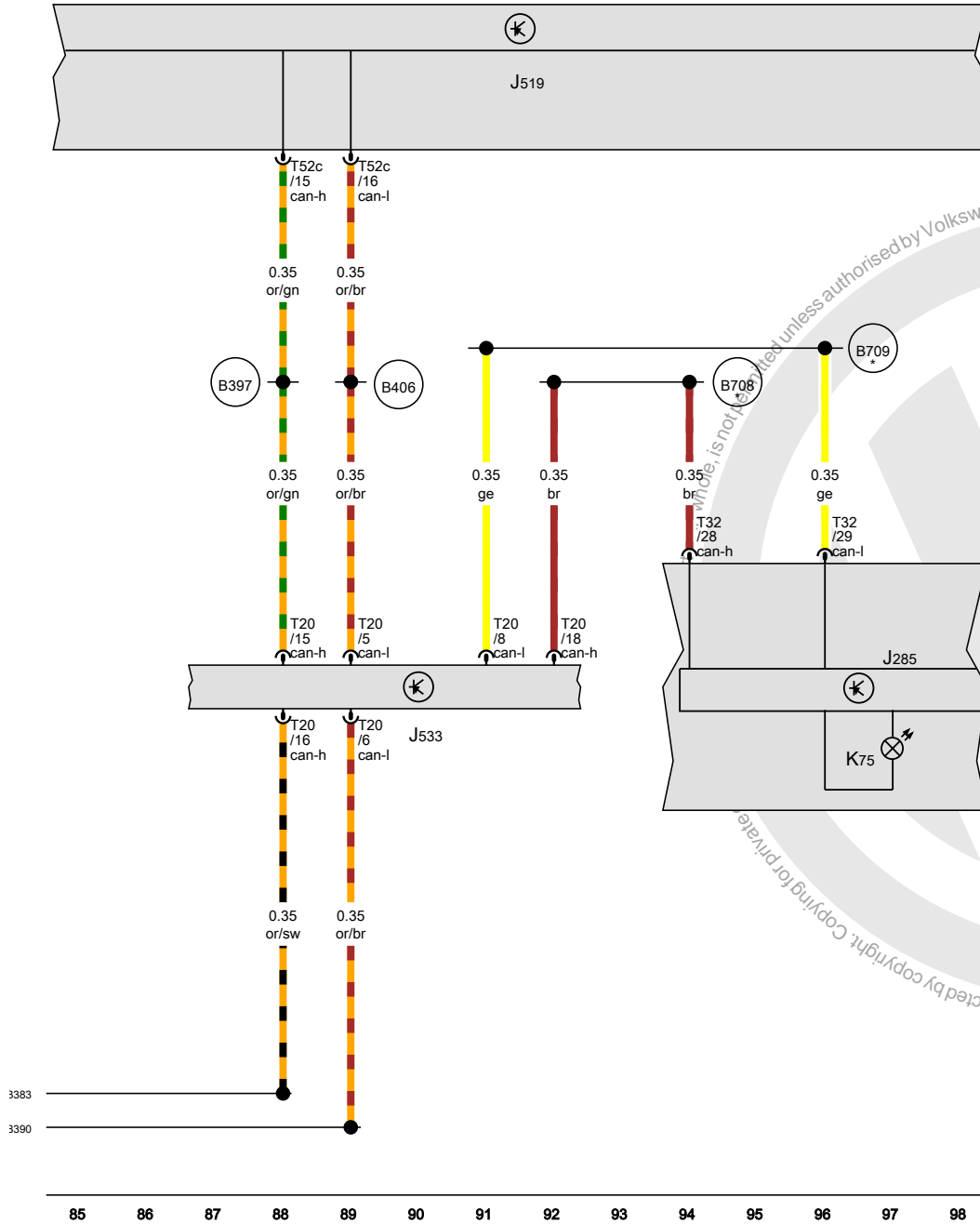


[162-107070415]

Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Airbag warning lamp

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K75 Airbag warning lamp
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * From June 2013



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

3383
3390

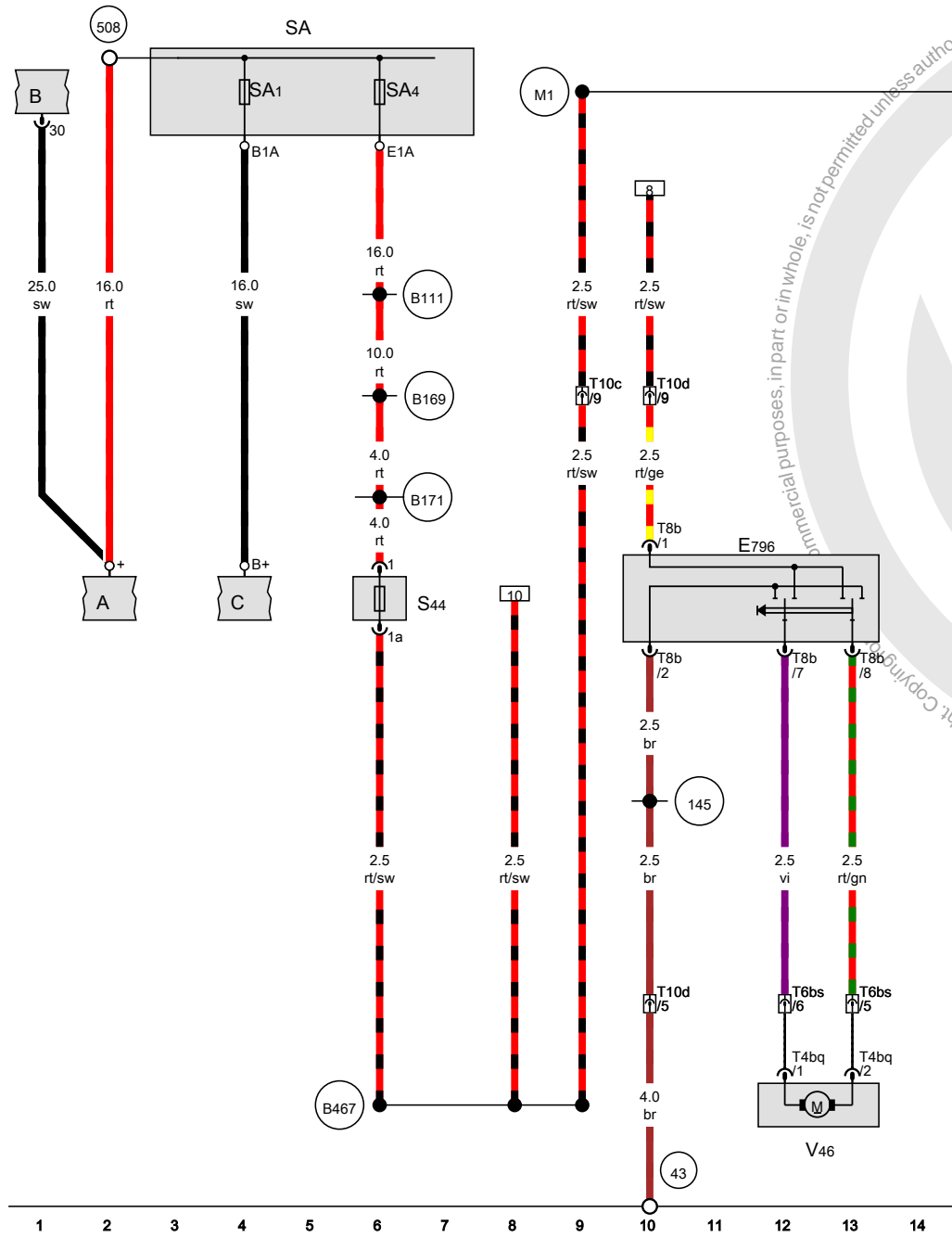
85 86 87 88 89 90 91 92 93 94 95 96 97 98

162-107080415

Adjustable seat , (3PB),(3PS),(3PZ)

From December 2012





Battery, Starter, Alternator, Backrest adjustment button 2, Fuse holder A, Front passenger seat backrest adjustment motor

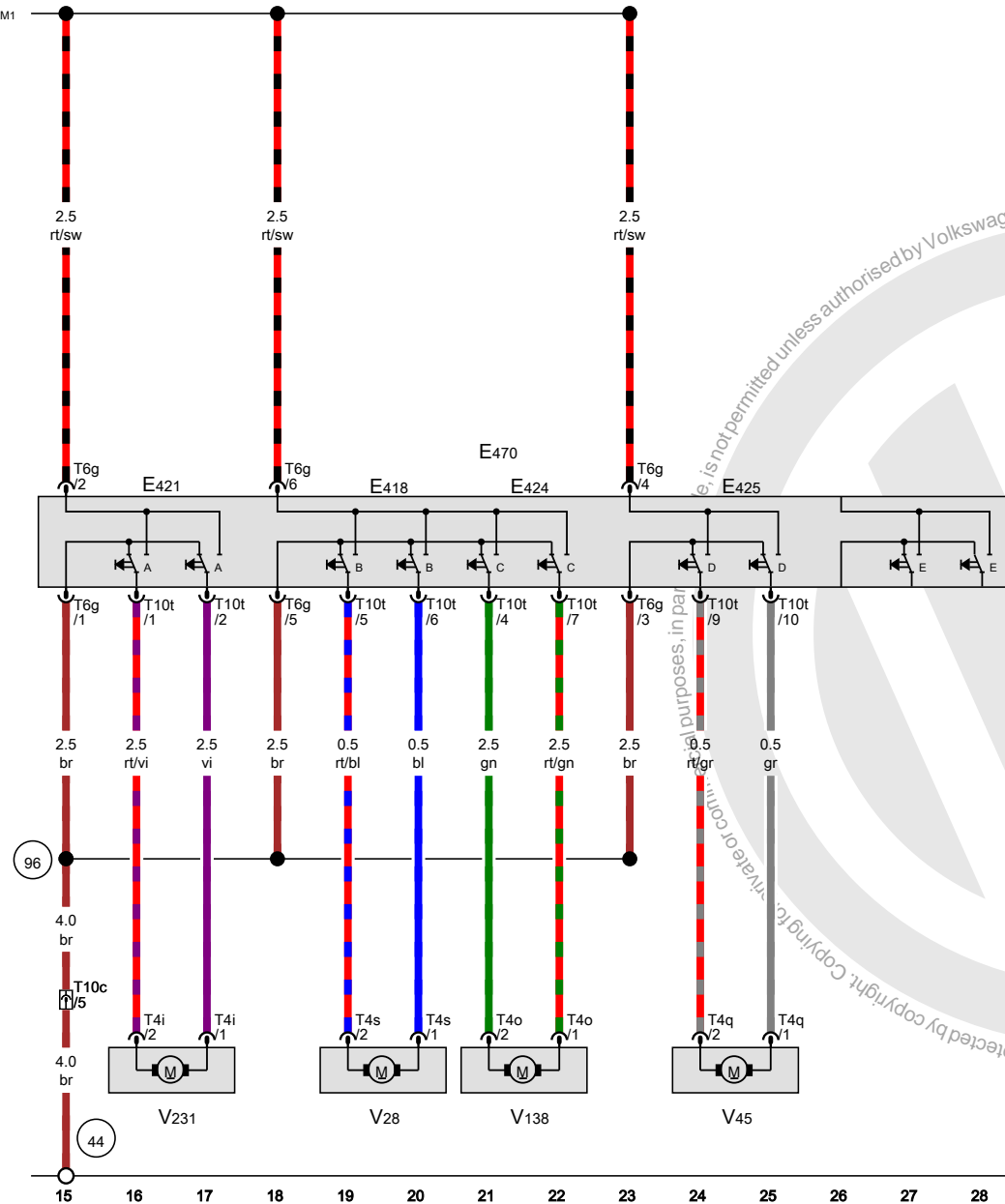
- A Battery
 - B Starter
 - C Alternator
 - E796 Backrest adjustment button 2
 - S44 Driver seat adjustment thermal fuse 1
 - SA Fuse holder A
 - SA1 Fuse 1 in fuse holder A
 - SA4 Fuse 4 in fuse holder A
 - T4bq 4-pin connector
 - T6bs 6-pin connector
 - T8b 8-pin connector
 - T10c 10-pin connector, under driver seat
 - T10d 10-pin connector, under front passenger seat
 - V46 Front passenger seat backrest adjustment motor
-
- 43 Earth point, lower part of right A-pillar
 - 145 Earth connection 3, in seat heating wiring harness
 - 508 Threaded connection (30) on E-box
 - B111 Positive connection 1 (30a), in interior wiring harness
 - B169 Positive connection 1 (30), in interior wiring harness
 - B171 Positive connection 3 (30), in interior wiring harness
 - B467 Connection 3, in main wiring harness
 - M1 Positive connection 1 (30), in seat adjustment wiring harness

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- sw = black
- ro = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Seat longitudinal adjustment button, Seat height adjustment button, Backrest adjustment button, Driver seat adjustment operating unit, Driver seat longitudinal adjustment motor, Driver seat backrest adjustment motor, Driver seat height adjustment motor, Seat rake adjustment motor

- E418 Seat longitudinal adjustment button
- E421 Rake adjustment button
- E424 Seat height adjustment button
- E425 Backrest adjustment button
- E470 Driver seat adjustment operating unit
- T4i 4-pin connector
- T4o 4-pin connector
- T4q 4-pin connector
- T4s 4-pin connector
- T6g 6-pin connector
- T10c 10-pin connector, under driver seat
- T10t 10-pin connector
- V28 Driver seat longitudinal adjustment motor
- V45 Driver seat backrest adjustment motor
- V138 Driver seat height adjustment motor
- V231 Seat rake adjustment motor

- 44 Earth point, lower part of left A-pillar
- 96 Earth connection 1, in seat heating wiring harness
- M1 Positive connection 1 (30), in seat adjustment wiring harness



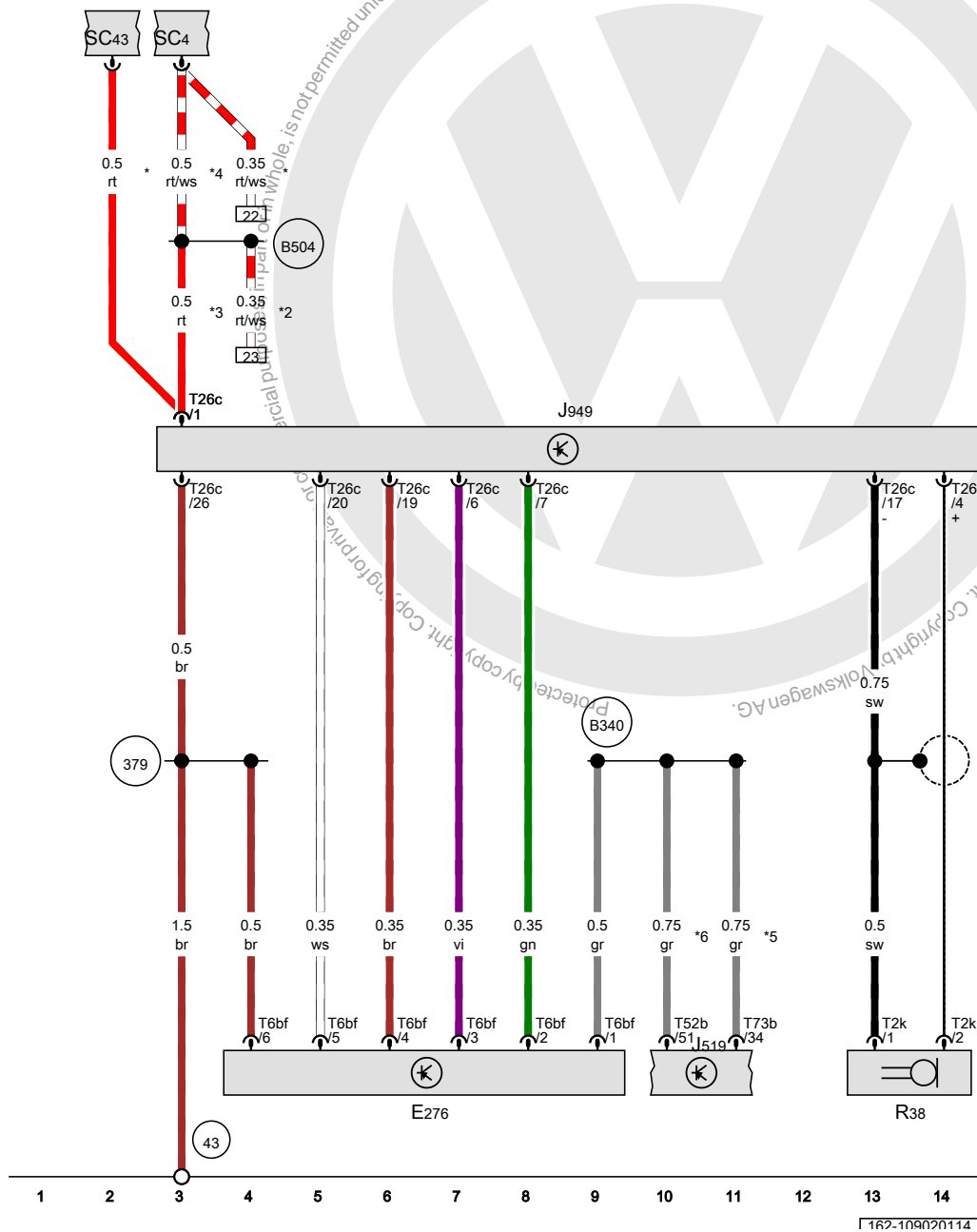
- ws = white
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- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-108030415

Emergency call module , (EL2)

From June 2013



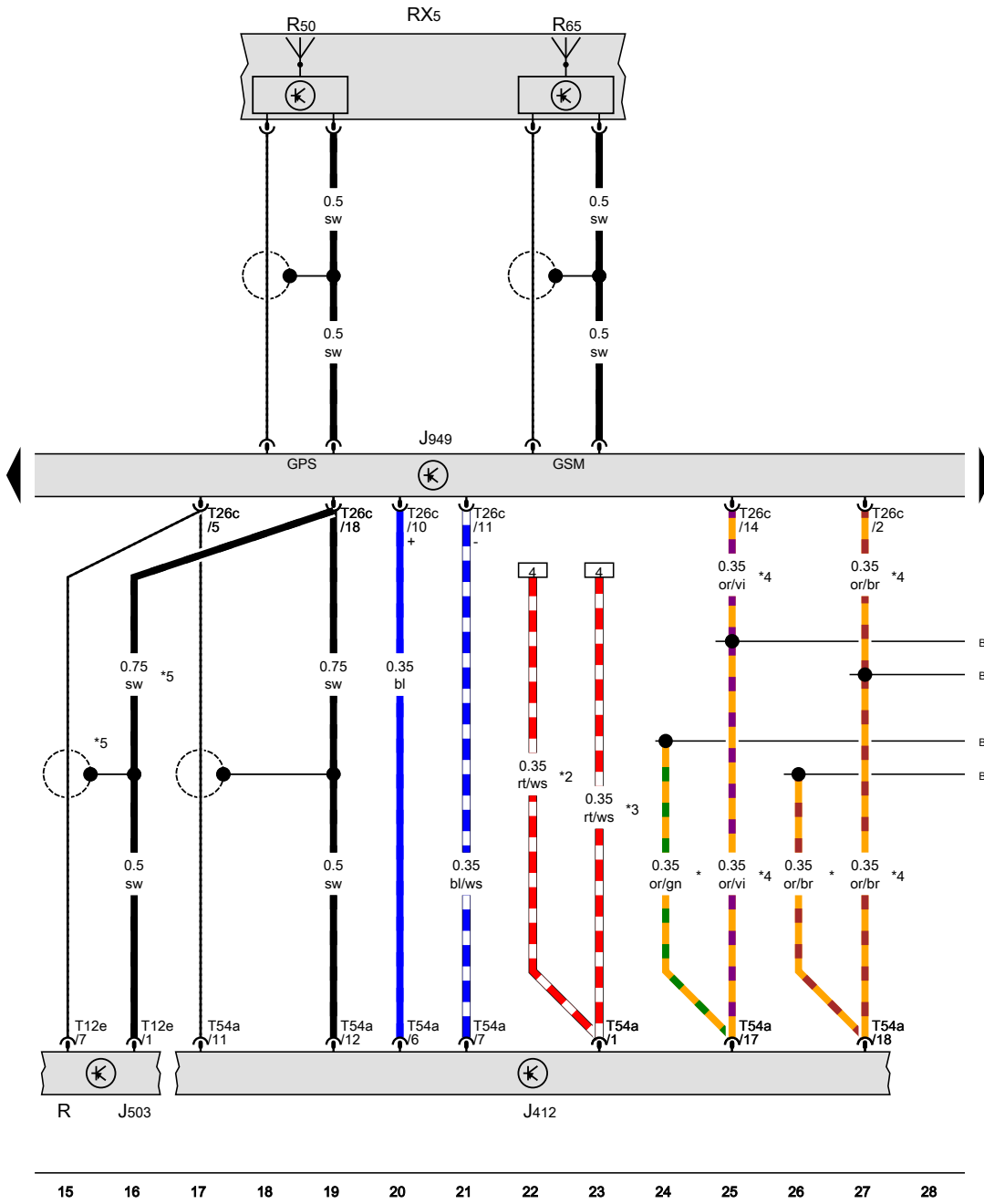


Emergency assistance call button, Onboard supply control unit, Emergency call module control unit and communication unit, Telephone microphone

- E276 Emergency assistance call button
- J519 Onboard supply control unit
- J949 Emergency call module control unit and communication unit, under seat on front right
- R38 Telephone microphone
- SC4 Fuse 4 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- T2k 2-pin connector
- T6bf 6-pin connector
- T26c 26-pin connector
- T52b 52-pin connector
- T73b 73-pin connector

- 43 Earth point, lower part of right A-pillar
- 379 Earth connection 14, in main wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness
- * Only models with no start/stop system
- *2 Only models with start/stop system
- *3 Only models with stop/start system
- *4 Cross section depends on equipment
- *5 Only models with "Low" equipment (AW0)
- *6 Only models with "High" equipment (AW1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Mobile telephone operating electronics control unit, Control unit with display for radio and navigation, Emergency call module control unit and communication unit, Roof aerial, GPS aerial, Telephone aerial

- J412 Mobile telephone operating electronics control unit, under front passenger seat
- J503 Control unit with display for radio and navigation
- J949 Emergency call module control unit and communication unit, under seat on front right
- R Radio
- RX5 Roof aerial
- R50 GPS aerial
- R65 Telephone aerial
- T12e 12-pin connector
- T26c 26-pin connector
- T54a 54-pin connector
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- (B415) Connection 1 (infotainment CAN bus, high), in main wiring harness
- (B421) Connection 1 (infotainment CAN bus, low), in main wiring harness
- * Only models with "Low" equipment (AW0)
- *2 Only models with no start/stop system
- *3 Only models with start/stop system
- *4 Only models with "High" equipment (AW1)
- *5 According to equipment

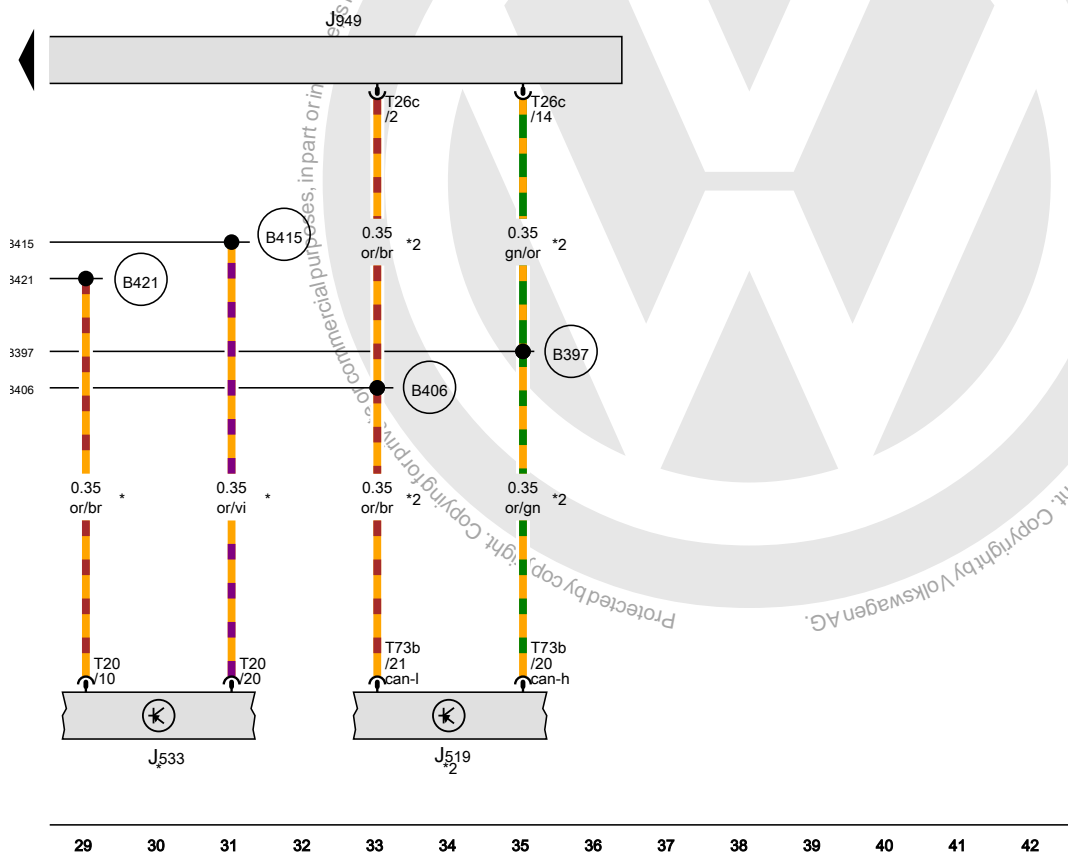
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Data bus diagnostic interface, Emergency call module control unit and communication unit

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J949 Emergency call module control unit and communication unit, under seat on front right
- T20 20-pin connector
- T26c 26-pin connector
- T73b 73-pin connector

- B397** Connection 1 (convenience CAN bus, high), in main wiring harness
- B406** Connection 1 (convenience CAN bus, low), in main wiring harness
- B415** Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421** Connection 1 (infotainment CAN bus, low), in main wiring harness

- * Only models with "High" equipment (AW1)
- *2 Only models with "Low" equipment (AW0)



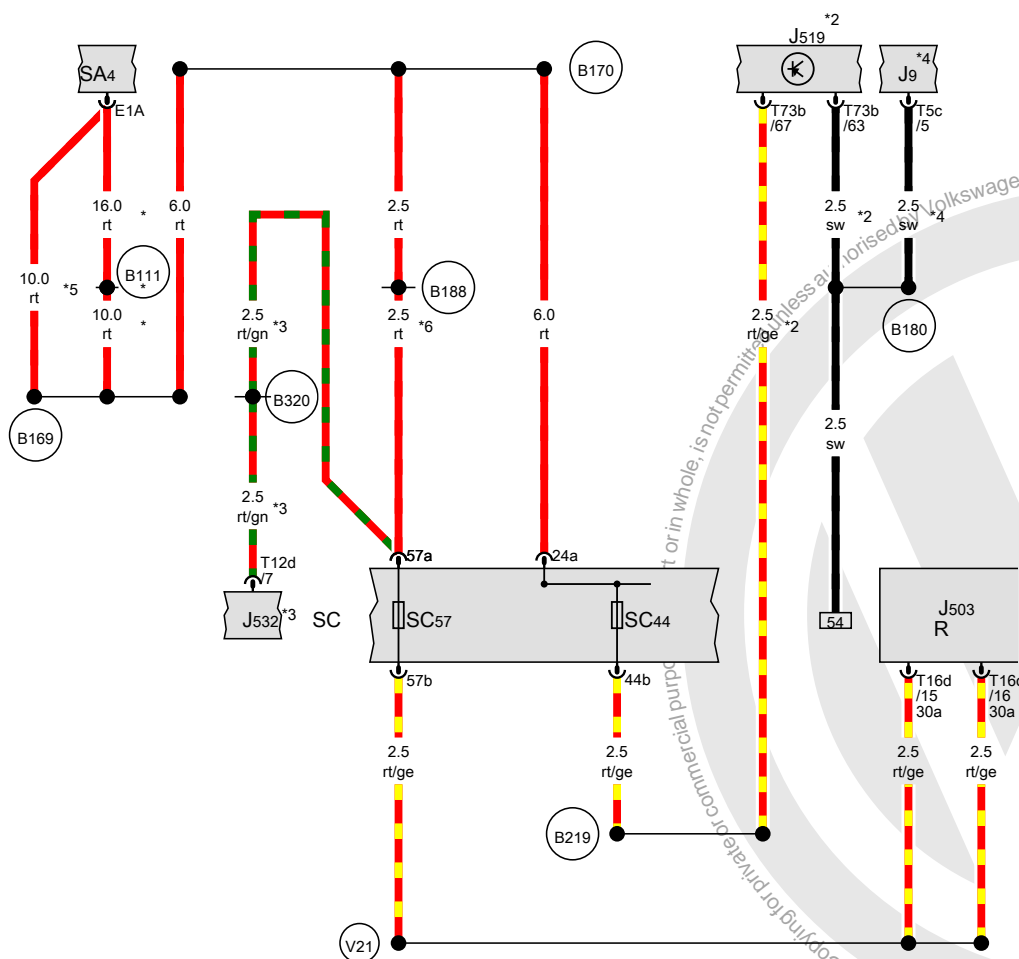
- ws = white
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radio systems/navigation systems

From June 2012



Control unit with display for radio and navigation, Onboard supply control unit, Radio, Fuse 4 in fuse holder A, Fuse holder C

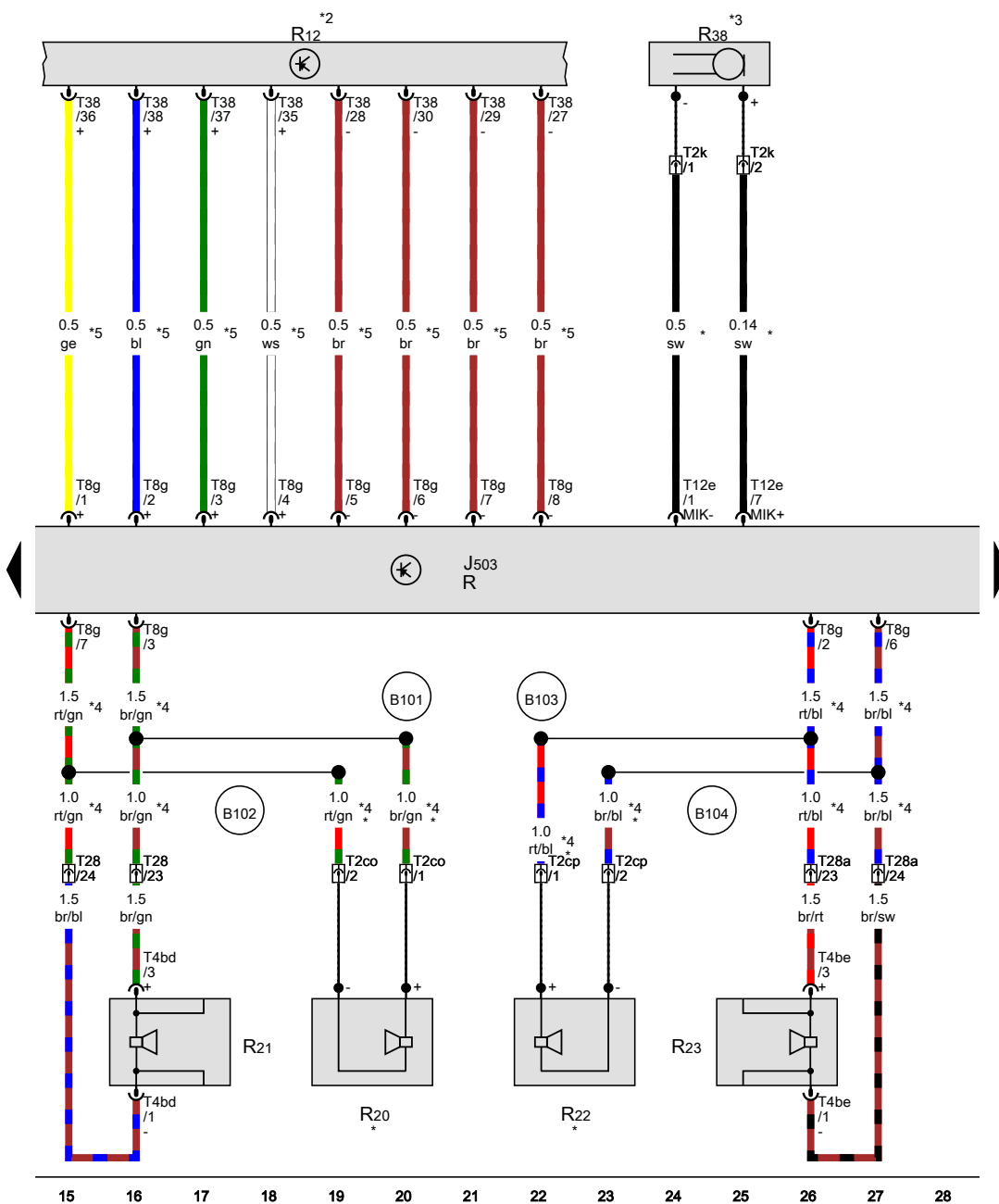


- J9 Heated rear window relay
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- R Radio
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T5c 5-pin connector
- T12d 12-pin connector
- T16d 16-pin connector
- T73b 73-pin connector
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B180 Connection (heated rear window), in interior wiring harness
- B188 Positive connection 5 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness

- * Gradually discontinued
- *2 Only models with "Low" equipment (AW0)
- *3 Only models with stop/start system
- *4 Only models with "High" equipment (AW1)
- *5 gradual introduction
- *6 Only models with no start/stop system
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Control unit with display for radio and navigation, Radio, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R Radio
- R12 Amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R38 Telephone microphone
- T2co 2-pin connector, Interface for front loudspeaker, on left in dash panel
- T2cp 2-pin connector, Interface for front loudspeaker, on right in dash panel
- T2k 2-pin connector
- T4bd 4-pin connector
- T4be 4-pin connector
- T8g 8-pin connector
- T12e 12-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T38 38-pin connector



- (B101) Connection (positive, front left speaker), in main wiring harness
- (B102) Connection (negative, front left speaker), in main wiring harness
- (B103) Connection (positive, front right speaker), in main wiring harness
- (B104) Connection (negative, front right speaker), in main wiring harness

- * According to equipment
- *2 see applicable current flow diagram for sound system
- *3 see applicable current flow diagram for telephone systems
- *4 Only models with no sound system
- *5 Only models with sound system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-110030114

Control unit with display for radio and navigation, Radio, Rear left treble loudspeaker, Rear left bass loudspeaker, Rear right treble loudspeaker, Rear right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R Radio
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- T2ax 2-pin connector
- T2ay 2-pin connector
- T4ay 4-pin connector
- T4az 4-pin connector
- T8g 8-pin connector
- T16d 16-pin connector
- T28b 28-pin connector
- T28c 28-pin connector

A178 Connection (infotainment CAN bus, high), in dash panel wiring harness

A179 Connection (infotainment CAN bus, low), in dash panel wiring harness

A225 Connection 2 (infotainment CAN bus, high) in dash panel wiring harness

A226 Connection 2 (infotainment CAN bus, low) in dash panel wiring harness

B397 Connection 1 (convenience CAN bus, high), in main wiring harness

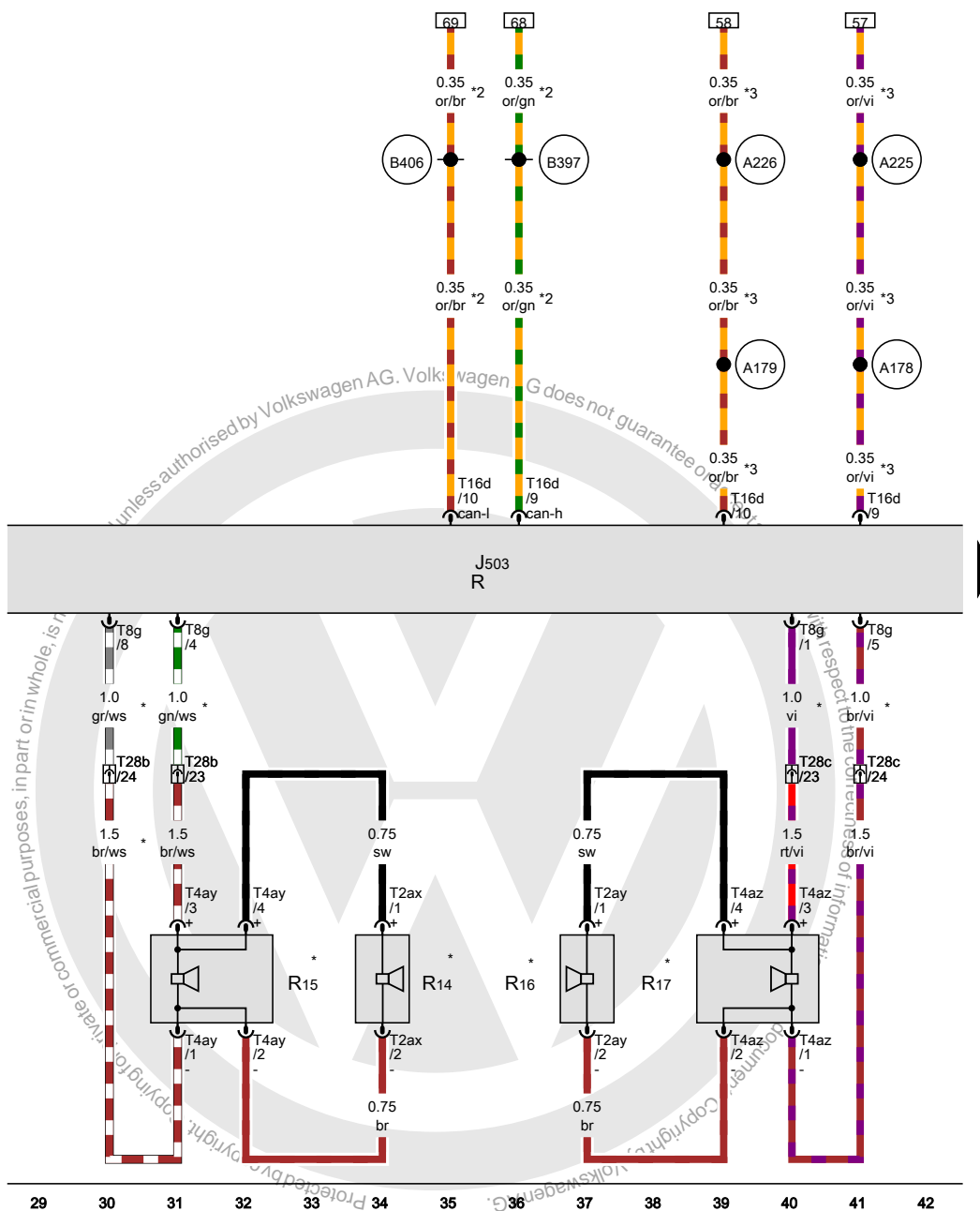
B406 Connection 1 (convenience CAN bus, low), in main wiring harness

* According to equipment

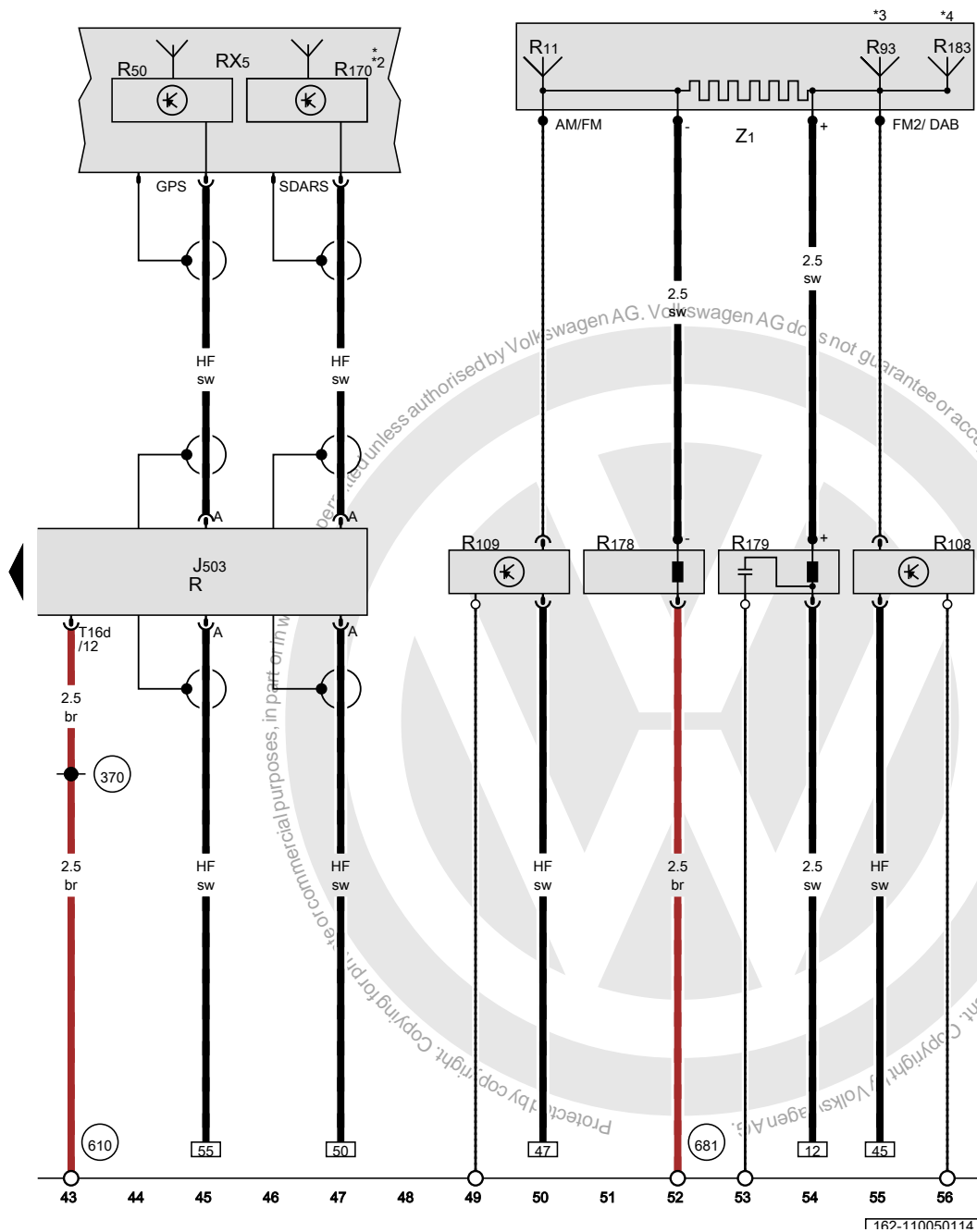
*2 Only models with "Low" equipment (AW0)

*3 Only models with "High" equipment (AW1)

- ws = white
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-110040114



Control unit with display for radio and navigation, Radio, Roof aerial, Aerial, GPS aerial, Radio aerial 2, Left aerial module, Right aerial module, Satellite aerial, Digital radio aerial, Heated rear window

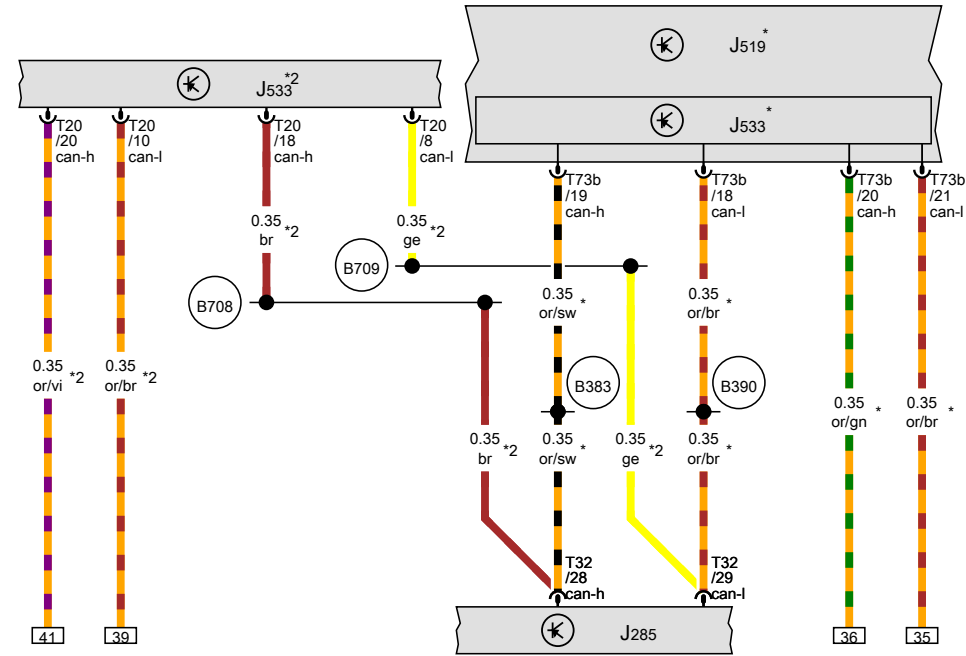
- J503 Control unit with display for radio and navigation
- R Radio
- RX5 Roof aerial
- R11 Aerial
- R50 GPS aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R170 Satellite aerial
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- R183 Digital radio aerial
- T16d 16-pin connector
- Z1 Heated rear window

- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- 681 Earth point 1, in rear right side panel

- * Only for American markets
- *2 Only models with satellite radio
- *3 According to equipment
- *4 Only models with digital radio

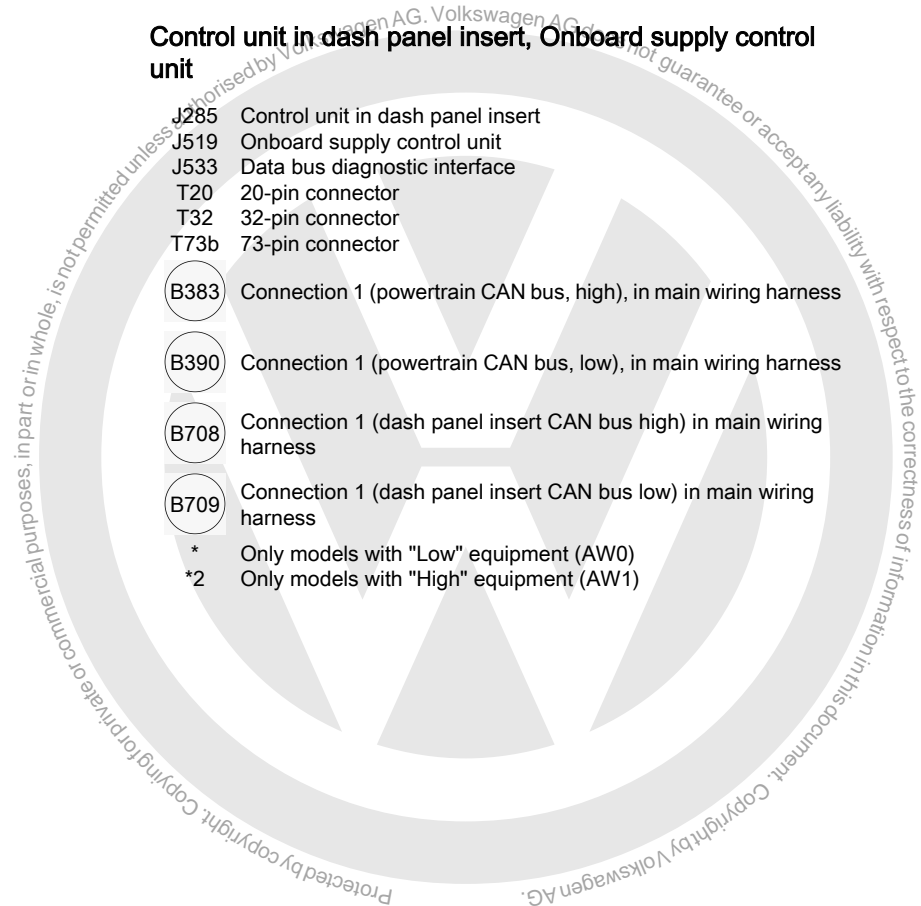
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-110050114



Control unit in dash panel insert, Onboard supply control unit

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector
- T32 32-pin connector
- T73b 73-pin connector
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Only models with "Low" equipment (AW0)
- *2 Only models with "High" equipment (AW1)

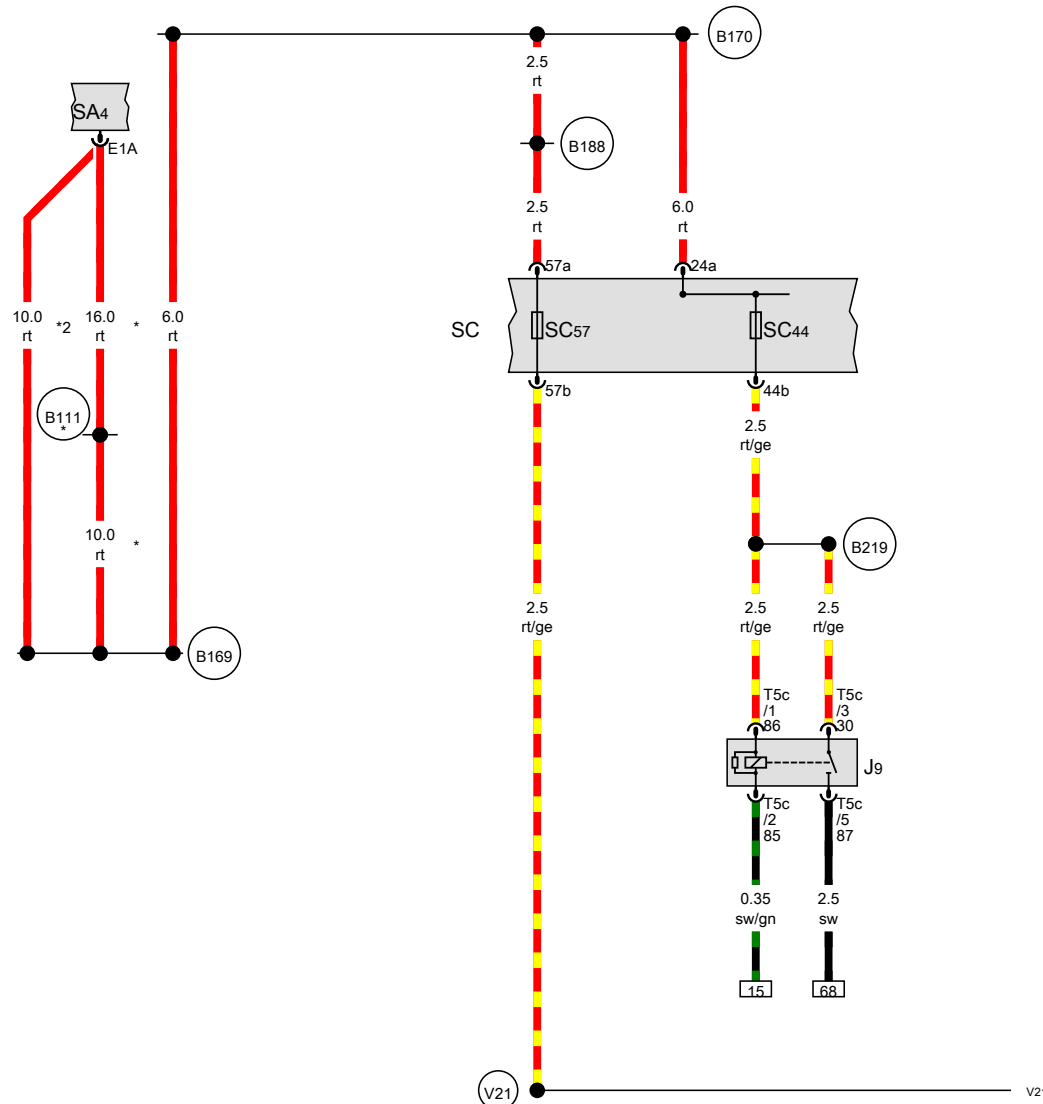


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radio systems/navigation systems , (I6E)

From June 2012





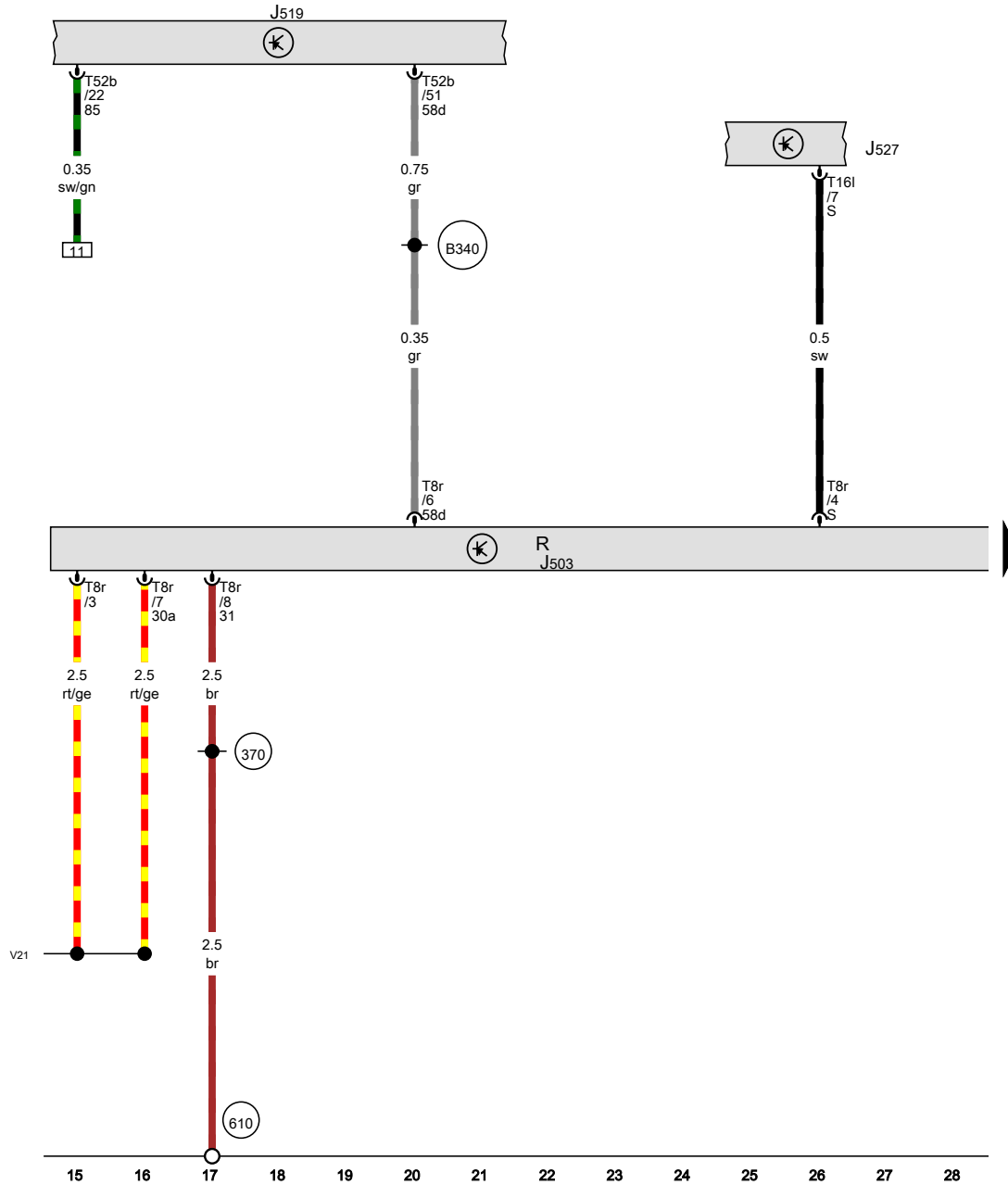
Fuse 4 in fuse holder A, Fuse holder C

- J9 Heated rear window relay
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T5c 5-pin connector
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B188 Positive connection 5 (30), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness
- * Gradually discontinued gradual introduction
- *2

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

[162-111021213]



Control unit with display for radio and navigation, Onboard supply control unit, Steering column electronics control unit, Radio

- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- R Radio
- T8r 8-pin connector
- T16l 16-pin connector
- T52b 52-pin connector

- 370 Earth connection 5, in main wiring harness
- 610 Earth point (audio), front below centre console
- B340 Connection 1 (58d), in main wiring harness
- V21 Positive connection (30), in radio - amplifier wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

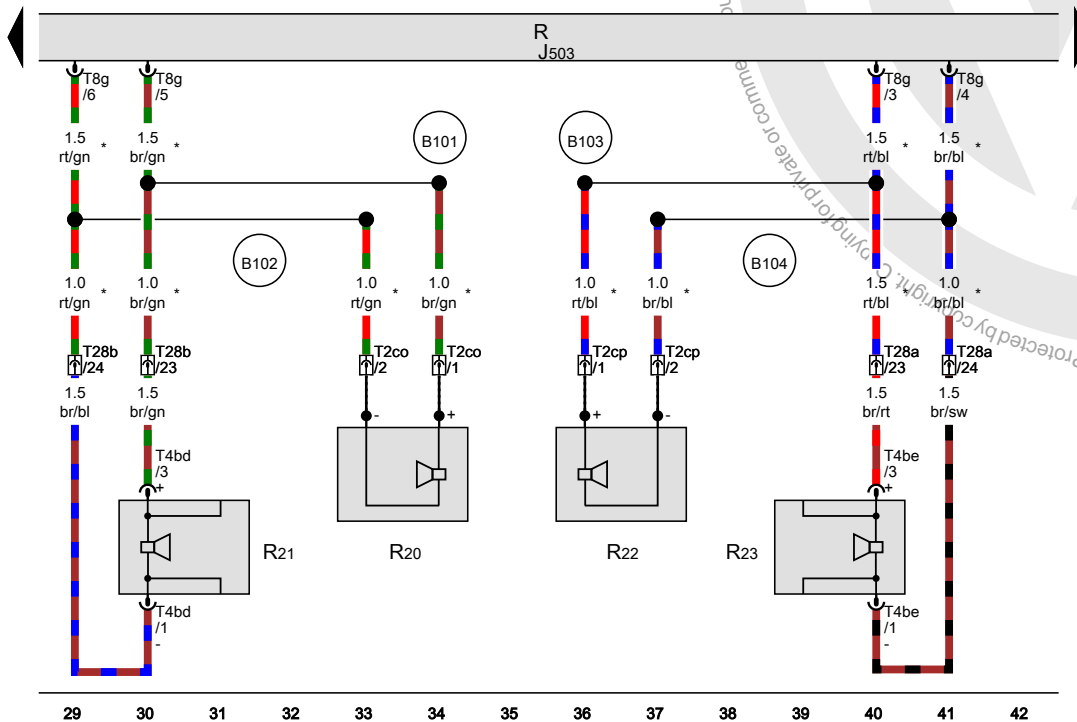
[162-111031213]

Control unit with display for radio and navigation, Radio, Front left treble loudspeaker, Front left bass loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R Radio
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T2co 2-pin connector, Interface for front loudspeaker, on left in dash panel
- T2cp 2-pin connector, Interface for front loudspeaker, on right in dash panel
- T4bd 4-pin connector
- T4be 4-pin connector
- T8g 8-pin connector
- T28a 28-pin connector
- T28b 28-pin connector

- B101 Connection (positive, front left speaker), in main wiring harness
- B102 Connection (negative, front left speaker), in main wiring harness
- B103 Connection (positive, front right speaker), in main wiring harness
- B104 Connection (negative, front right speaker), in main wiring harness

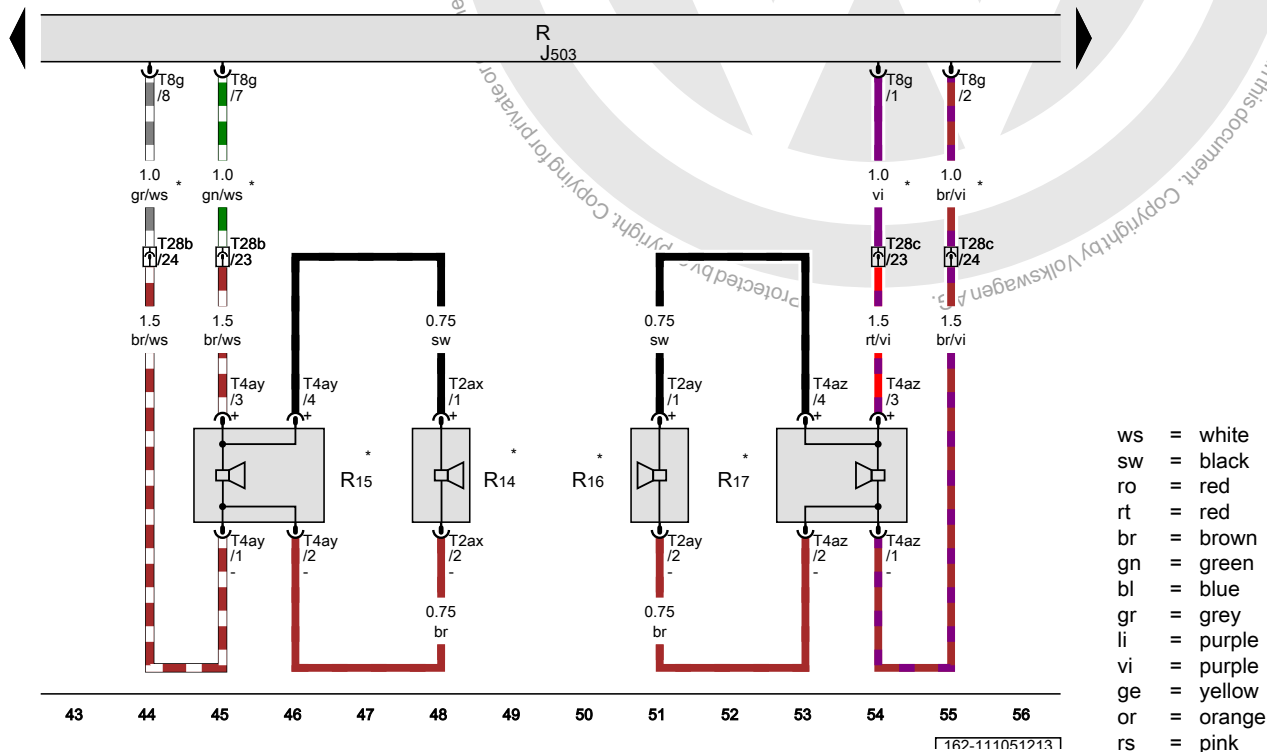
* Only models with no sound system



162-111041213

Control unit with display for radio and navigation, Radio, Rear left treble loudspeaker, Rear left bass loudspeaker, Rear right treble loudspeaker, Rear right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R Radio
- R14 Rear left treble loudspeaker
- R15 Rear left bass loudspeaker
- R16 Rear right treble loudspeaker
- R17 Rear right bass loudspeaker
- T2ax 2-pin connector
- T2ay 2-pin connector
- T4ay 4-pin connector
- T4az 4-pin connector
- T8g 8-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- * According to equipment



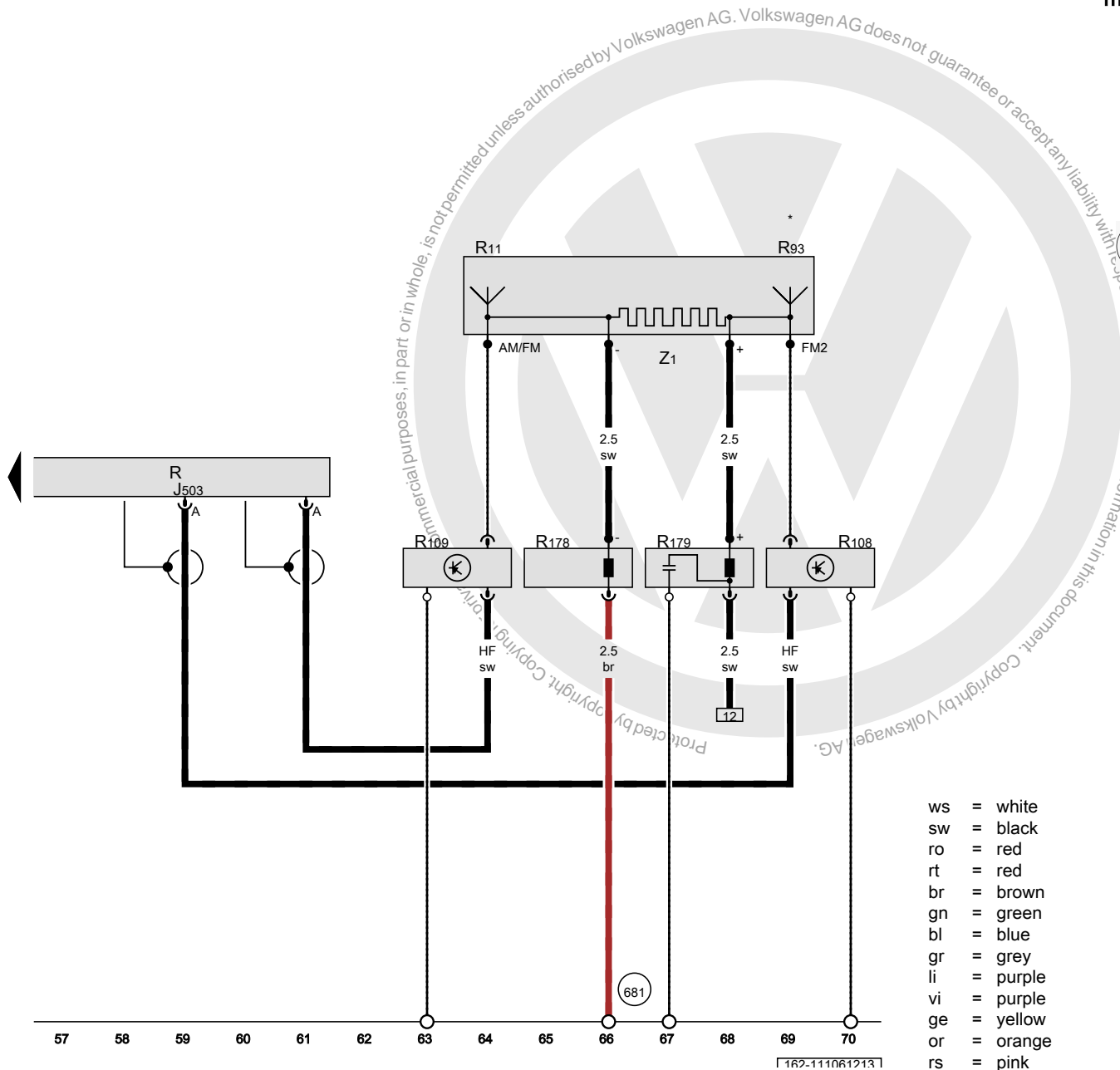
[162-111051213]

Control unit with display for radio and navigation, Radio, Aerial, Radio aerial 2, Left aerial module, Right aerial module, Heated rear window

- J503 Control unit with display for radio and navigation
- R Radio
- R11 Aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R109 Right aerial module
- R178 Frequency modulation (FM) frequency filter in negative wire
- R179 Frequency modulation (FM) frequency filter in positive wire
- Z1 Heated rear window

681 Earth point 1, in rear right side panel

* According to equipment

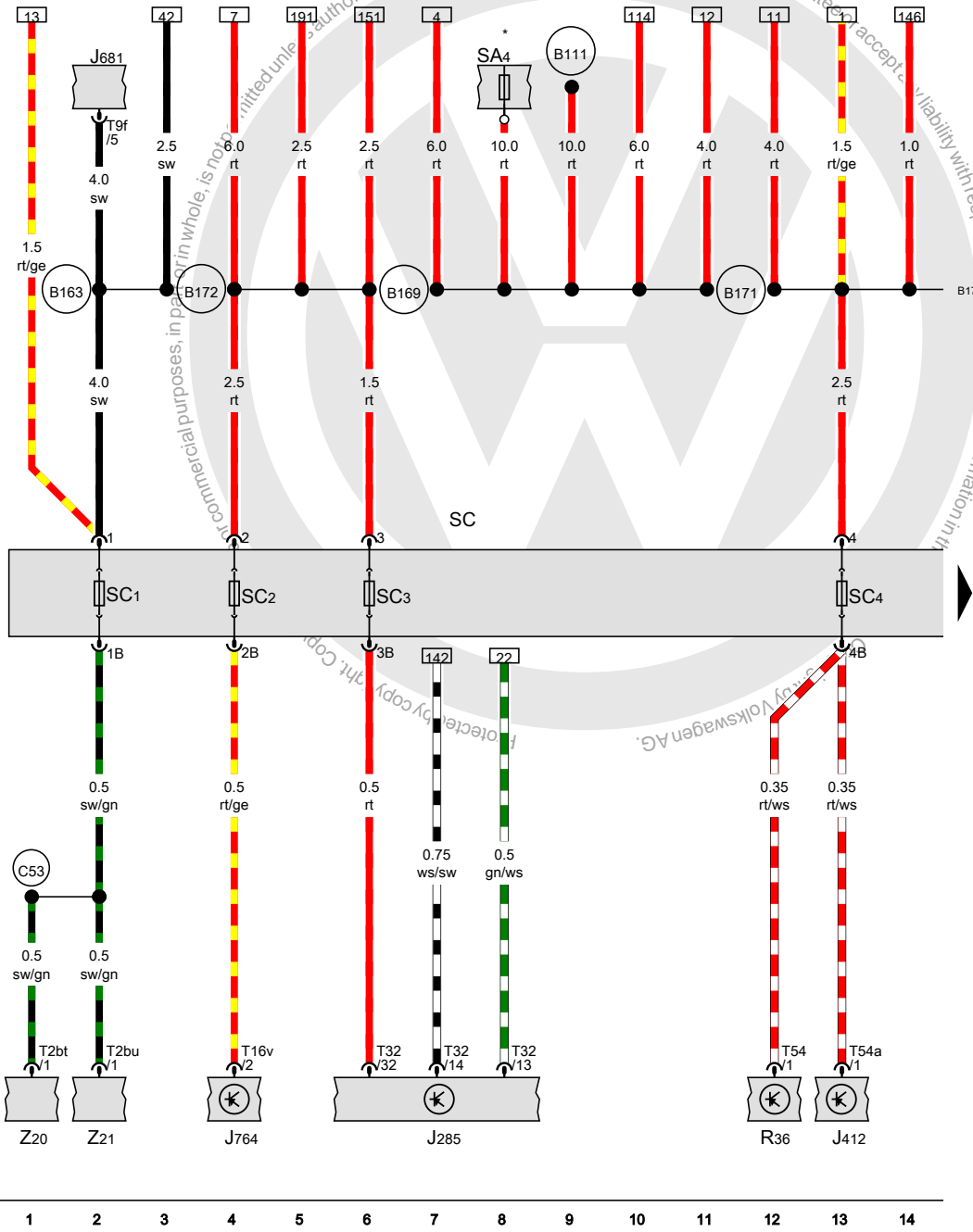


[162-111061213]

Fuses in interior , (AW0)

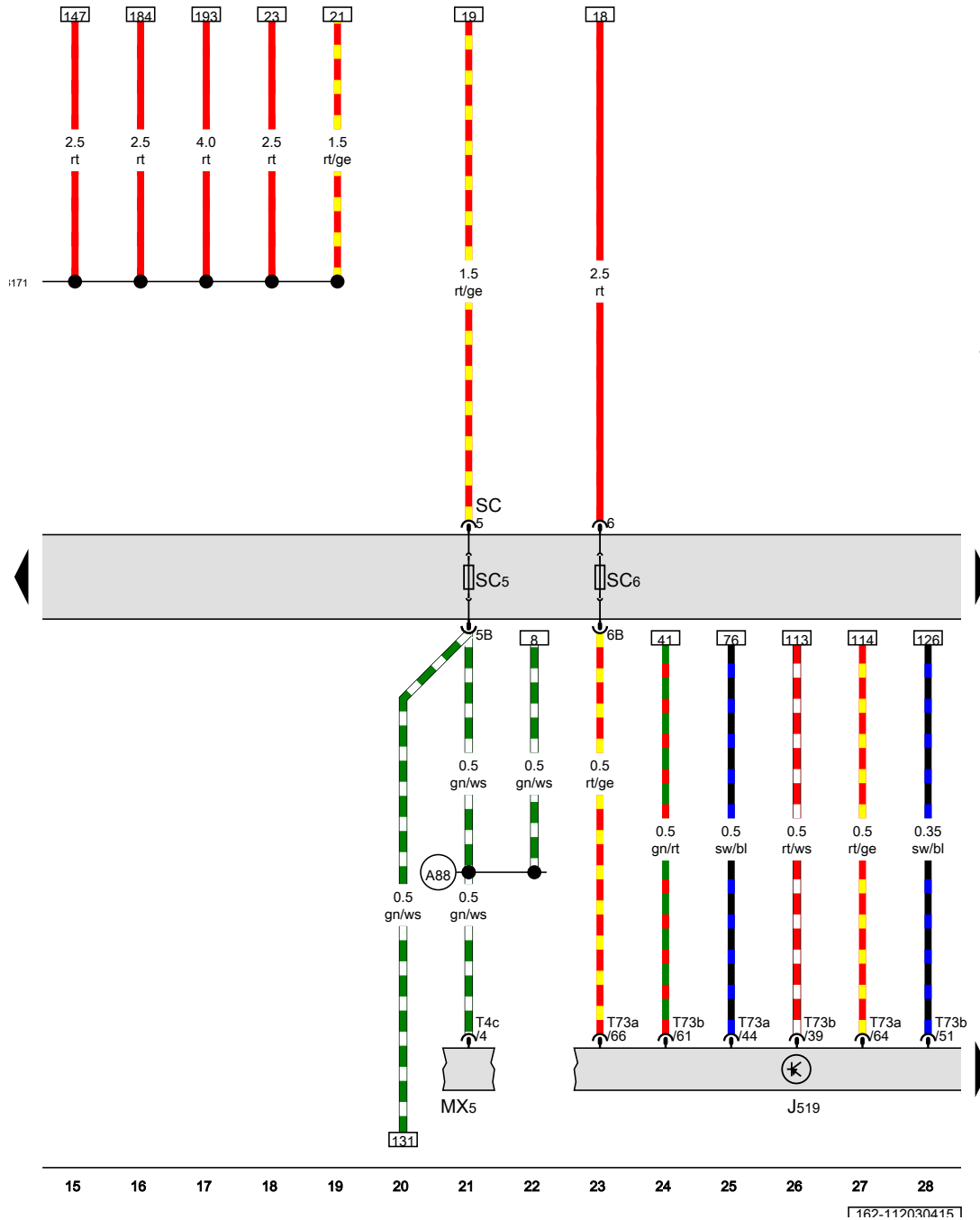
From May 2013





Fuse holder C

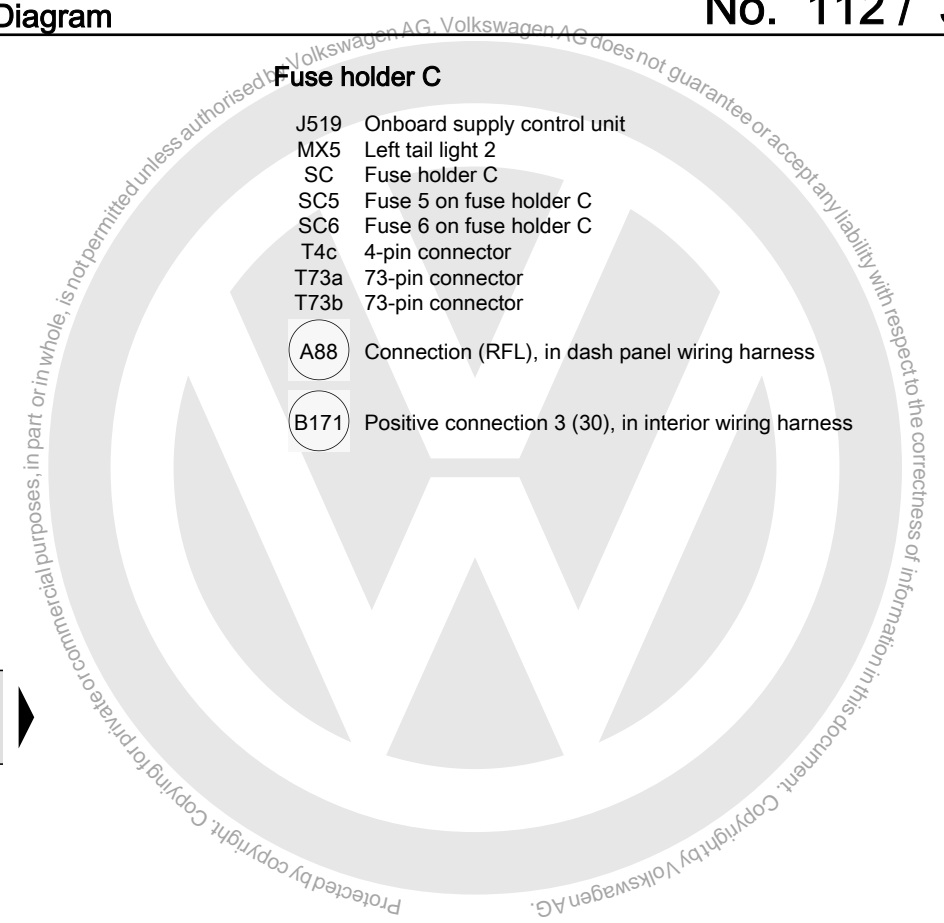
- J285 Control unit in dash panel insert
- J412 Mobile telephone operating electronics control unit
- J681 Terminal 15 voltage supply relay 2
- J764 Control unit for electronic steering column lock
- R36 Telephone transmitter and receiver unit
- SC1 Fuse 1 on fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC3 Fuse 3 on fuse holder C
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC4 Fuse 4 on fuse holder C
- T2bt 2-pin connector
- T2bu 2-pin connector
- T9f 9-pin connector
- T16v 16-pin connector
- T32 32-pin connector
- T54 54-pin connector
- T54a 54-pin connector
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness
- * Only models with no hybrid drive system



Fuse holder C

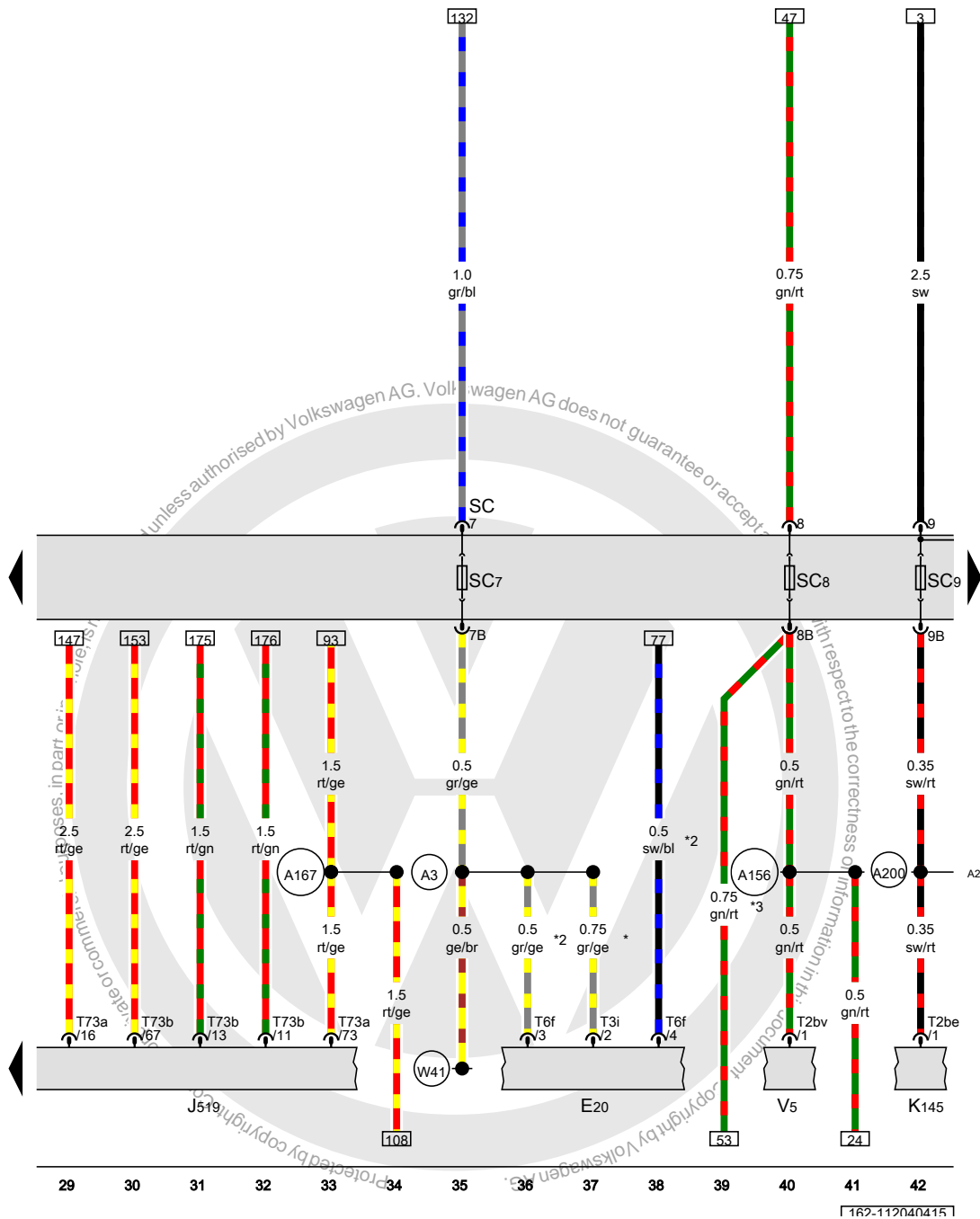
- J519 Onboard supply control unit
- MX5 Left tail light 2
- SC Fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- T4c 4-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- A88 Connection (RFL), in dash panel wiring harness
- B171 Positive connection 3 (30), in interior wiring harness



- ws = white
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- br = brown
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- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink

162-112030415



Fuse holder C

- E20 Switch and instrument illumination regulator
- J519 Onboard supply control unit
- K145 Front passenger side airbag deactivated warning lamp
- SC Fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC9 Fuse 9 on fuse holder C
- T2be 2-pin connector
- T2bv 2-pin connector
- T3i 3-pin connector
- T6f 6-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V5 Washer pump
- A3 Positive connection (58), in dash panel wiring harness
- A156 Connection (53c), in dash panel wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- W41 Positive connection (58), in number plate lights wiring harness
- * Only models with no headlight range control
- *2 Only models with headlight range control
- *3 Only models with equipment for China

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- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuse holder C

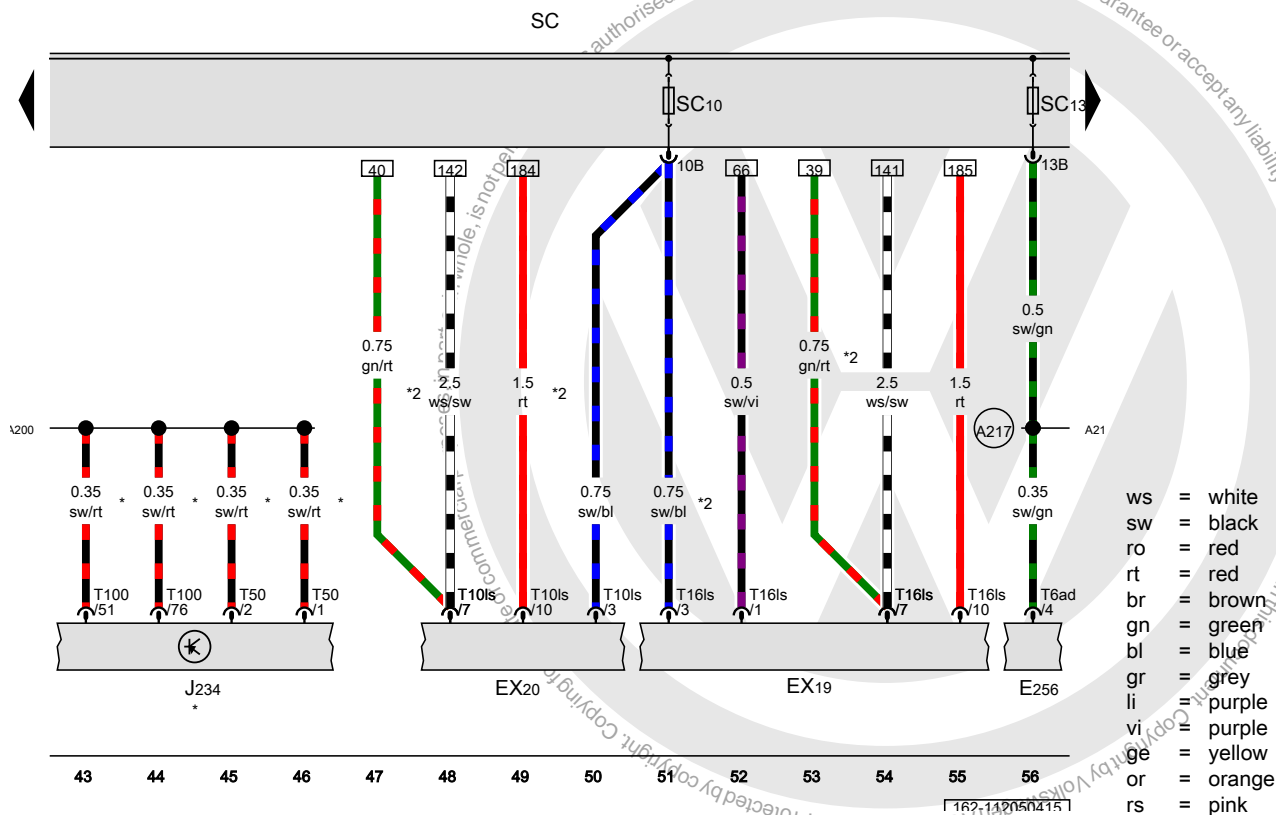
- EX19 Left steering column switch
- EX20 Right steering column switch
- E256 Button for TCS and electronic stabilisation program
- J234 Airbag control unit
- SC Fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- T6ad 6-pin connector
- T10ls 10-pin connector
- T16ls 16-pin connector
- T50 50-pin connector
- T100 100-pin connector

A200 Positive connection 5 (15a) in dash panel wiring harness

A217 Positive connection 8 (15a) in dash panel wiring harness

* see applicable current flow diagram for airbag

*2 Only models with equipment for China

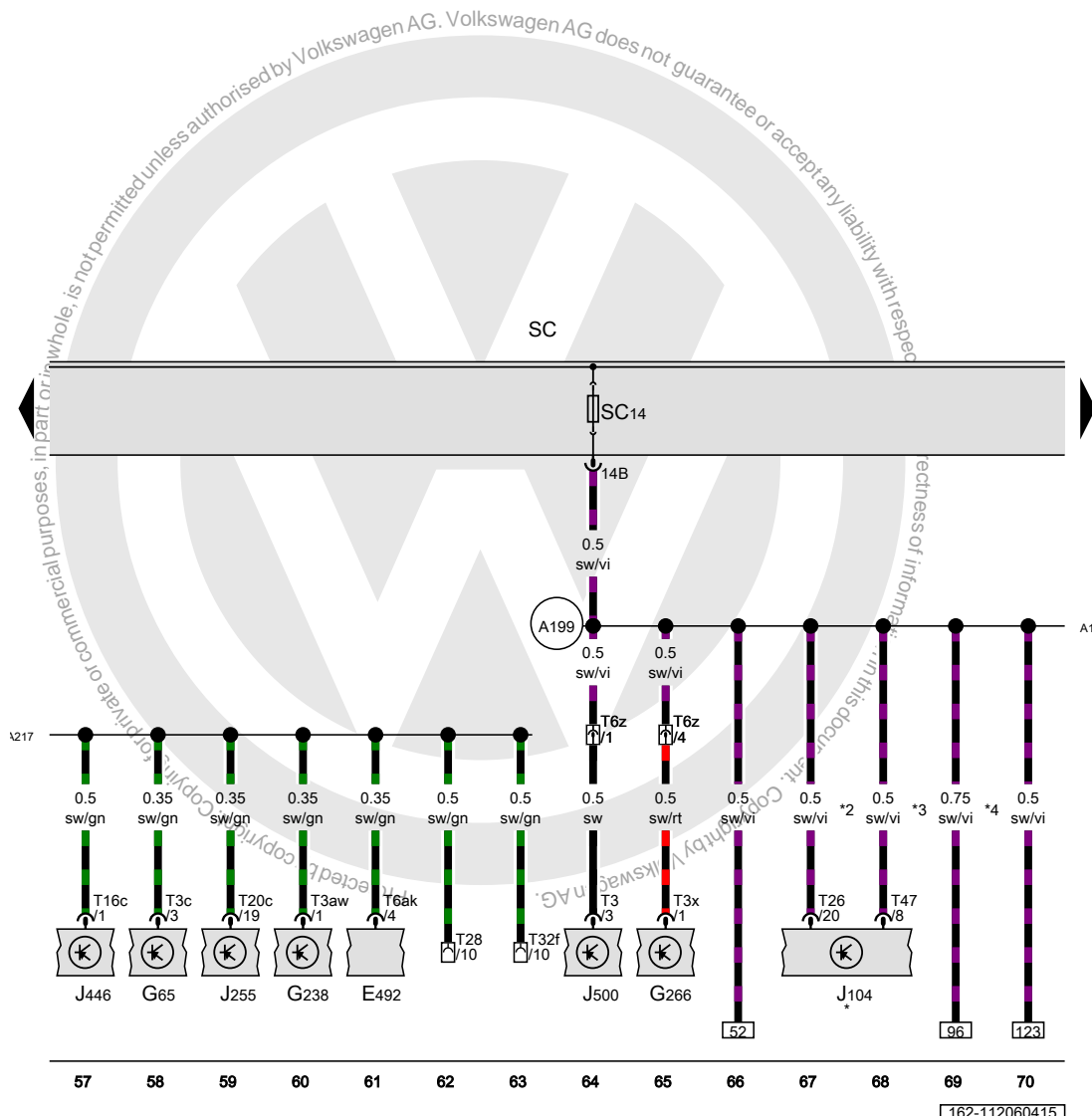


Fuse holder C

- E492 Tyre Pressure Loss Indicator button
- G65 High-pressure sender
- G238 Air quality sensor
- G266 Oil level and oil temperature sender
- J104 ABS control unit
- J255 Climatronic control unit
- J446 Parking aid control unit
- J500 Power steering control unit
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- T3 3-pin connector
- T3aw 3-pin connector
- T3c 3-pin connector
- T3x 3-pin connector
- T6ak 6-pin connector
- T6z 6-pin connector
- T16c 16-pin connector
- T20c 20-pin connector
- T26 26-pin connector
- T28 28-pin connector
- T32f 32-pin connector
- T47 47-pin connector

- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A217) Positive connection 8 (15a) in dash panel wiring harness

- * see applicable current flow diagram for ABS
- *2 Only models with ABS and no ESP
- *3 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *4 see applicable current flow diagram for gearbox

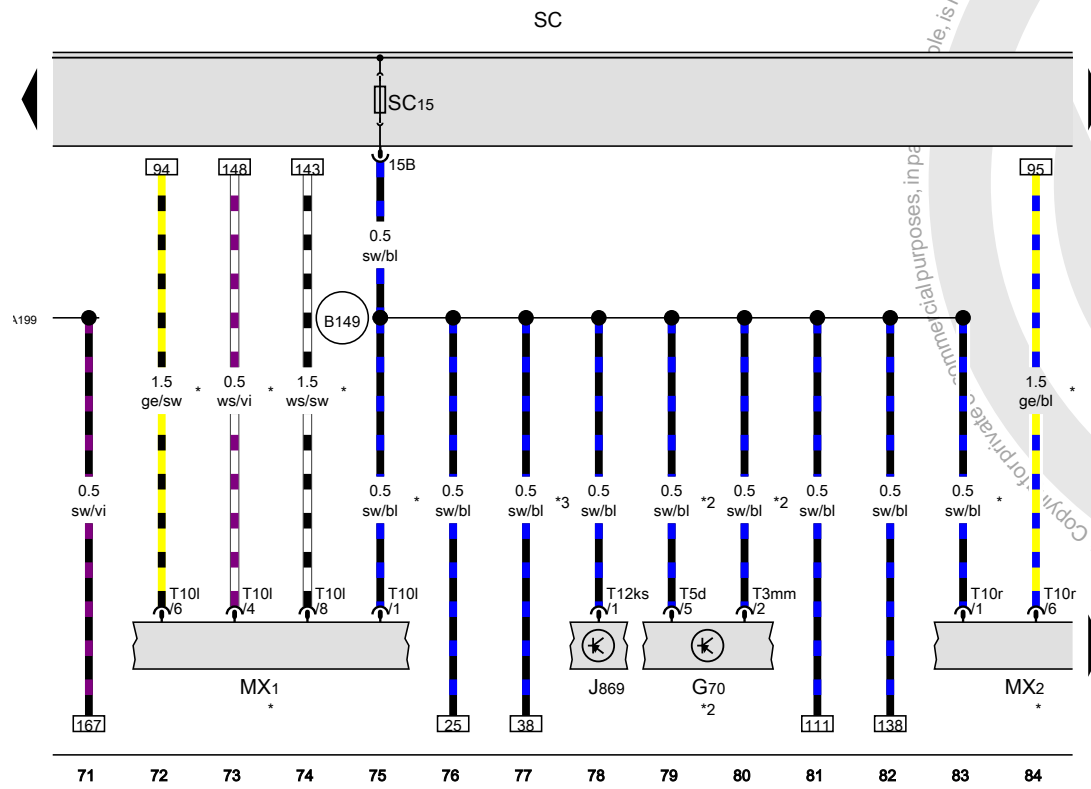


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-112060415

Fuse holder C

- G70 Air mass meter
- J869 Control unit for structure-borne sound
- MX1 Front left headlight
- MX2 Front right headlight
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- T3mm 3-pin connector
- T5d 5-pin connector
- T10l 10-pin connector
- T10r 10-pin connector
- T12ks 12-pin connector
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B149 Positive connection 2 (15a) in interior wiring harness
- * According to equipment
- *2 see applicable current flow diagram for engine
- *3 Only models with headlight range control



- ws = white
- sw = black
- ro = red
- rv = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

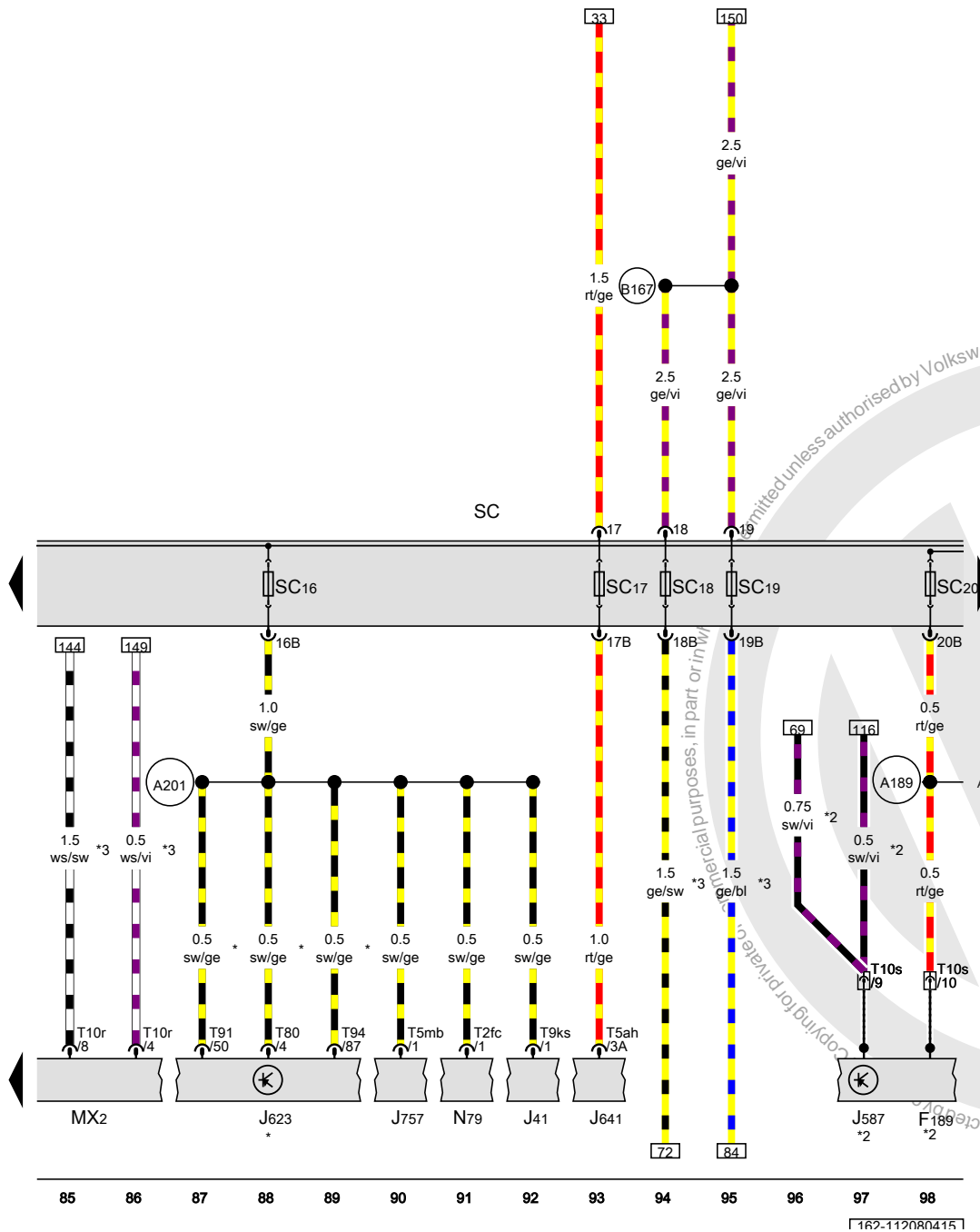
162-112070415

Fuse holder C

- F189 Tiptronic switch
- J41 Cold start device relay
- J587 Selector lever sensors control unit
- J623 Engine control unit
- J641 Alarm horn relay
- J757 Engine component current supply relay
- MX2 Front right headlight
- N79 Heater element for crankcase breather
- SC Fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T2fc 2-pin connector
- T5ah 5-pin connector
- T5mb 5-pin connector
- T9ks 9-pin connector
- T10r 10-pin connector
- T10s 10-pin connector
- T80 80-pin connector
- T91 91-pin connector
- T94 94-pin connector

- A189 Positive connection 5 (30a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B167 Connection (56b), in interior wiring harness
- * see applicable current flow diagram for engine
- *2 see applicable current flow diagram for gearbox
- *3 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- lj = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

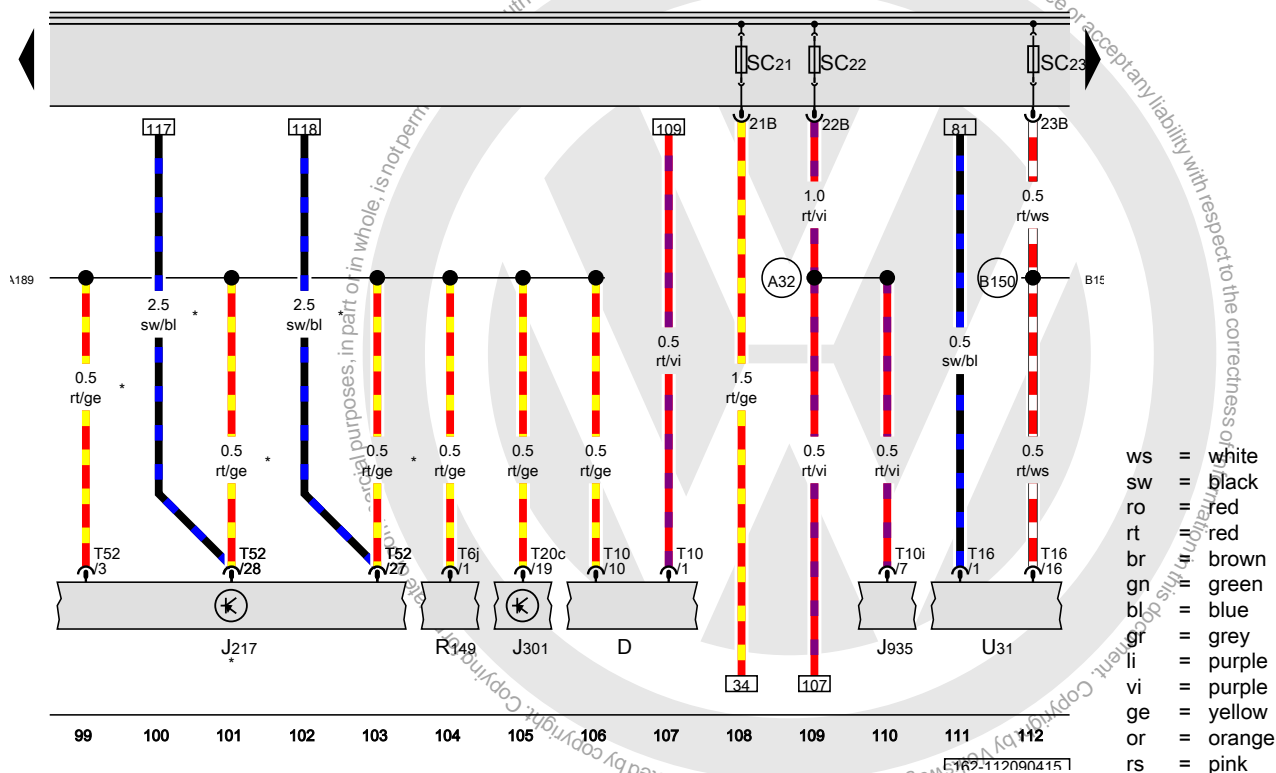


162-112080415

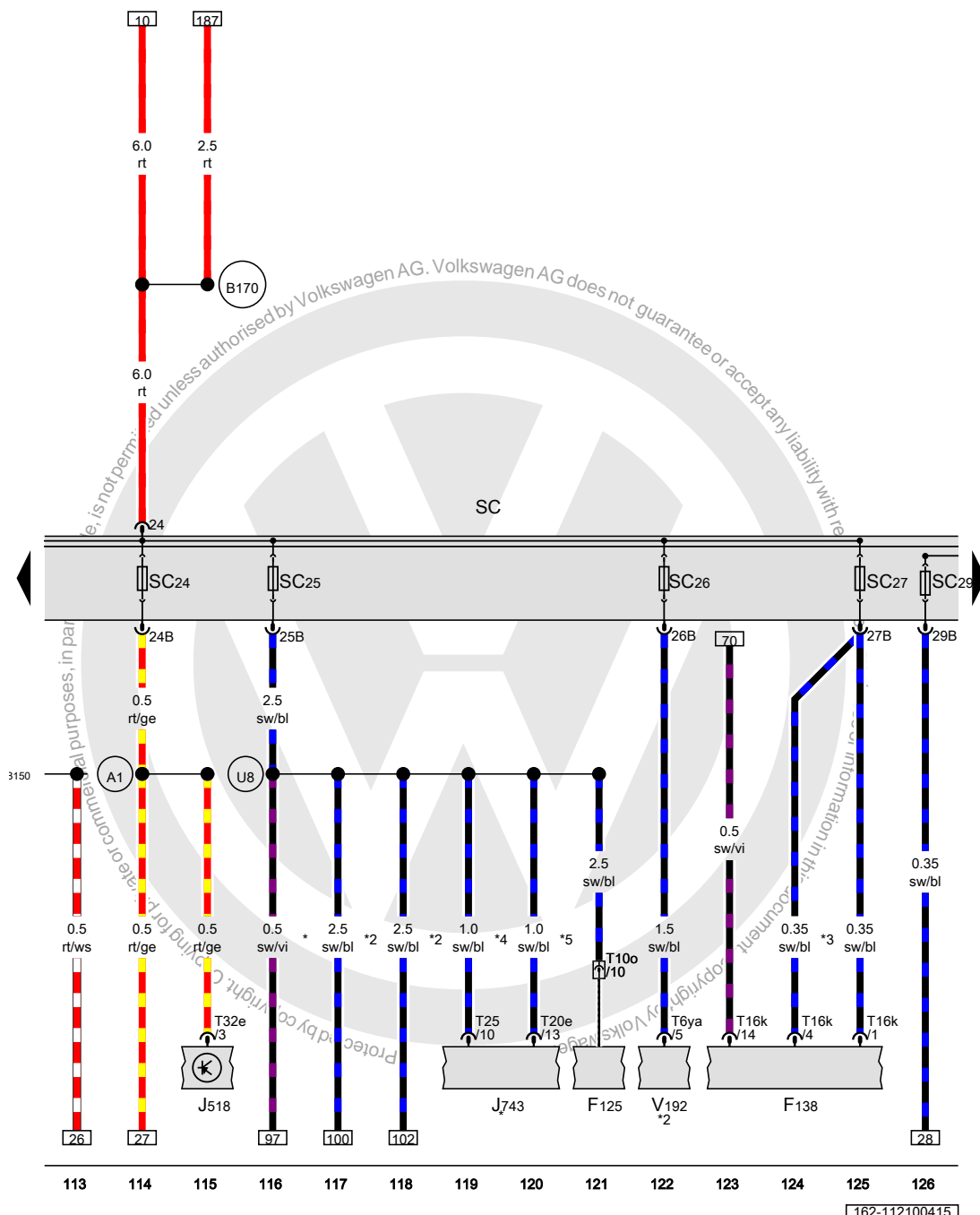
Fuse holder C

- D Ignition/starter switch
- J217 Automatic gearbox control unit
- J301 Air conditioning system control unit
- J935 Converter box
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T6j 6-pin connector
- T10 10-pin connector
- T10i 10-pin connector
- T16 16-pin connector
- T20c 20-pin connector
- T52 52-pin connector
- U31 Diagnostic connection

- (A32) Positive connection (30), in dash panel wiring harness
- (A189) Positive connection 5 (30a) in dash panel wiring harness
- (B150) Positive connection 2 (30a), in interior wiring harness
- * According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



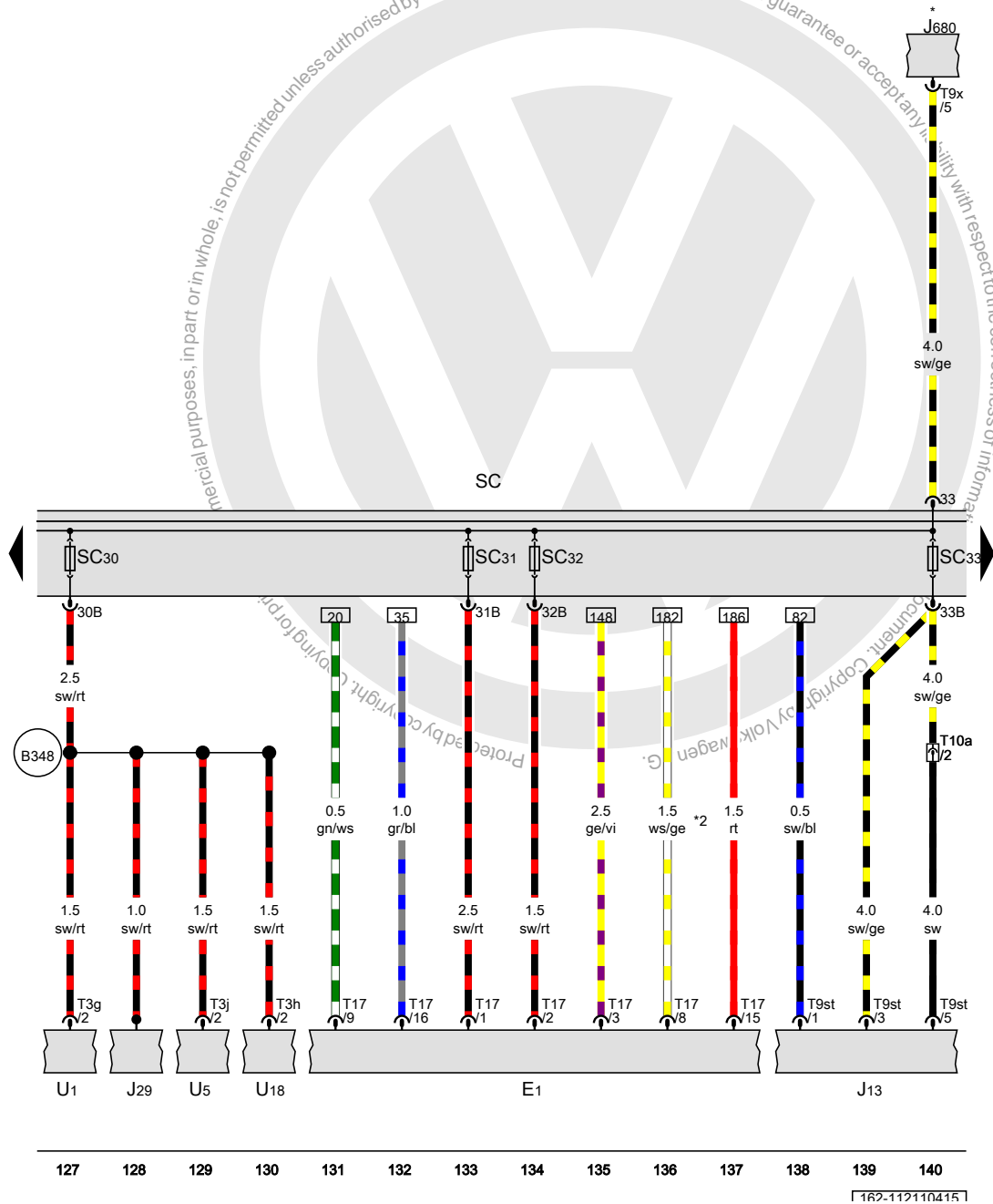
Fuse holder C

- F125 Multifunction switch
- F138 Airbag coil connector and return ring with slip ring
- J518 Entry and start authorisation control unit
- J743 Mechatronic unit for dual clutch gearbox
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC29 Fuse 29 on fuse holder C
- T6ya 6-pin connector
- T10o 10-pin connector
- T16k 16-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T32e 32-pin connector
- V192 Vacuum pump for brakes

- A1 Positive connection (30a), in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness
- * see applicable current flow diagram for gearbox
- *2 According to equipment
- *3 Only models with equipment for China
- *4 Only models with dual clutch gearbox 0AM
- *5 Only models with dual clutch gearbox 02E

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-112100415



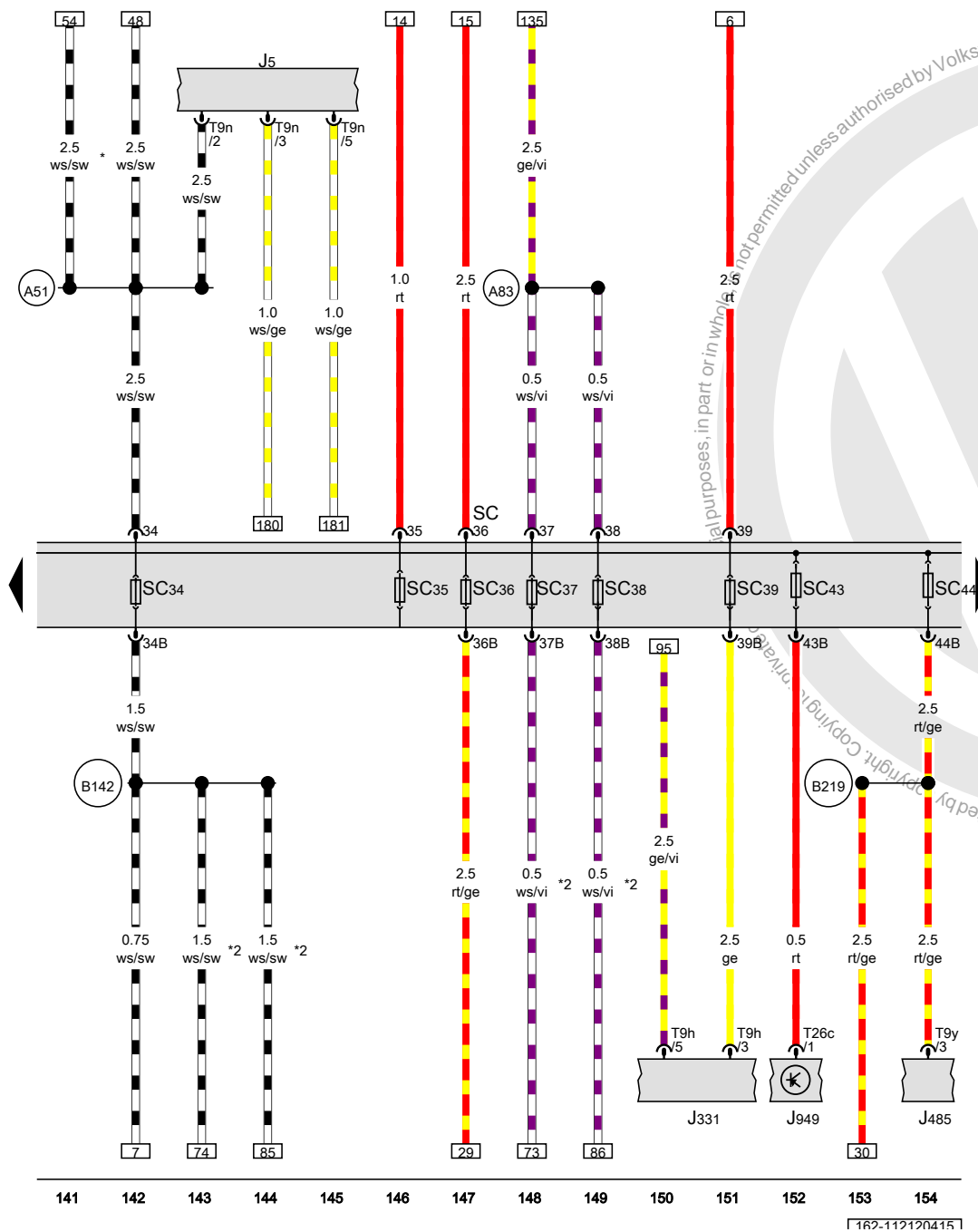
Fuse holder C

- E1 Light switch
- J13 Fresh air blower relay
- J29 Blocking diode
- J680 Terminal 75 voltage supply relay 1
- SC Fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T9st 9-pin connector
- T9x 9-pin connector
- T10a 10-pin connector
- T17 17-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2

B348 Connection 1 (75a), in main wiring harness

- * see applicable current flow diagram for basic equipment
- *2 According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
- rs = pink



Fuse holder C

- J5 Fog light relay
- J331 Dipped beam relay
- J485 Auxiliary heater operation relay
- J949 Emergency call module control unit and communication unit
- SC Fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T9h 9-pin connector
- T9n 9-pin connector
- T9y 9-pin connector
- T26c 26-pin connector

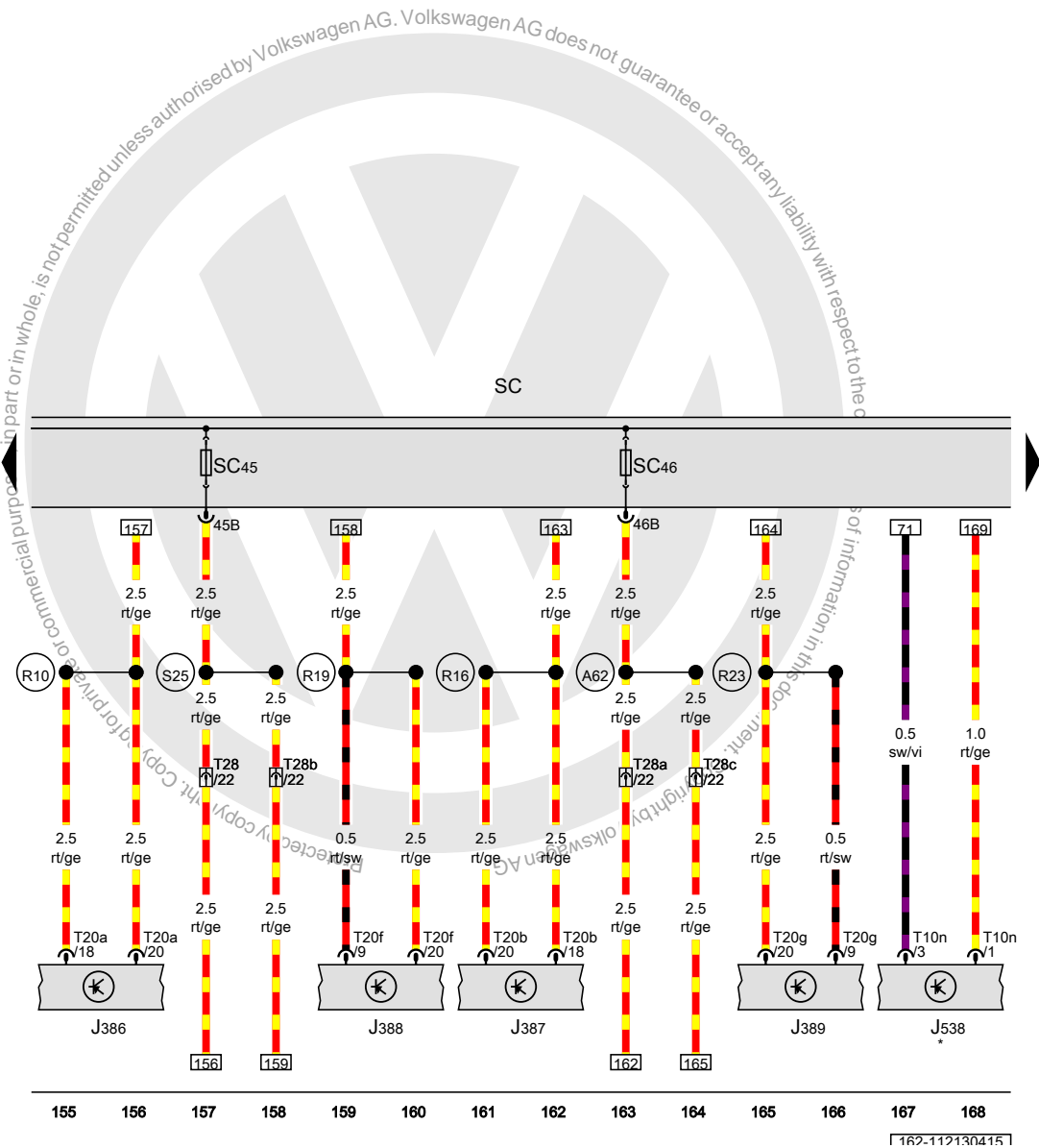
- A51 Connection (56), in dash panel wiring harness
- A83 Connection (daytime running lights), in dash panel wiring harness
- B142 Positive connection 2 (56a), in interior wiring harness
- B219 Positive connection 4 (30a), in interior wiring harness
- * Only models with equipment for China
- *2 According to equipment

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

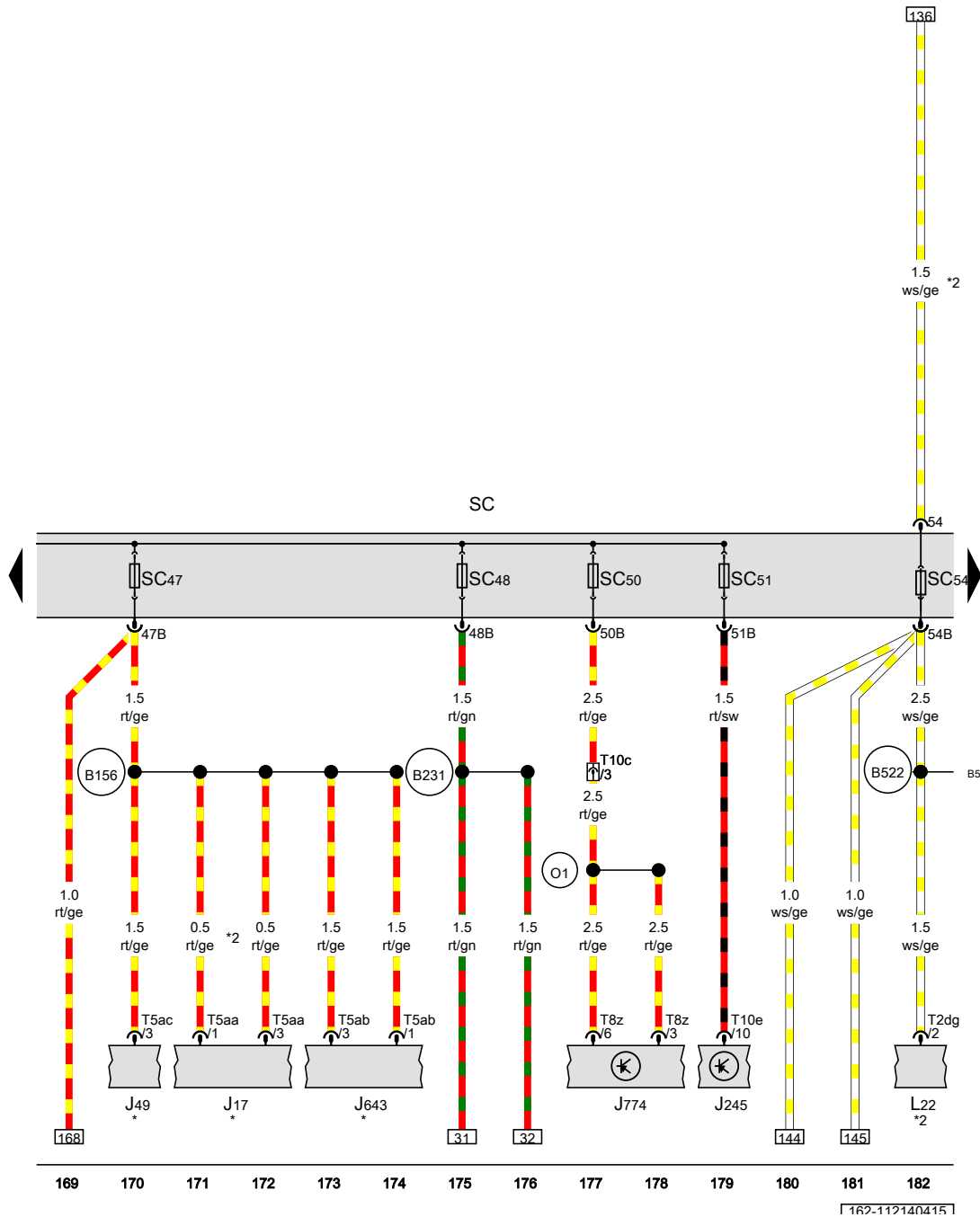
Fuse holder C

- J386 Driver door control unit
- J387 Front passenger door control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- J538 Fuel pump control unit
- SC Fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- T10n 10-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T20f 20-pin connector
- T20g 20-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T28b 28-pin connector
- T28c 28-pin connector

- A62 Connection (window regulators), in dash panel wiring harness
- R10 Positive connection 1 (30), in driver door wiring harness
- R16 Positive connection 1 (30), in front passenger door wiring harness
- R19 Positive connection 1 (30), in rear left door wiring harness
- R23 Positive connection 1 (30), in rear right door wiring harness
- S25 Positive connection (30a), in central locking wiring harness
- * see applicable current flow diagram for engine



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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



Fuse holder C

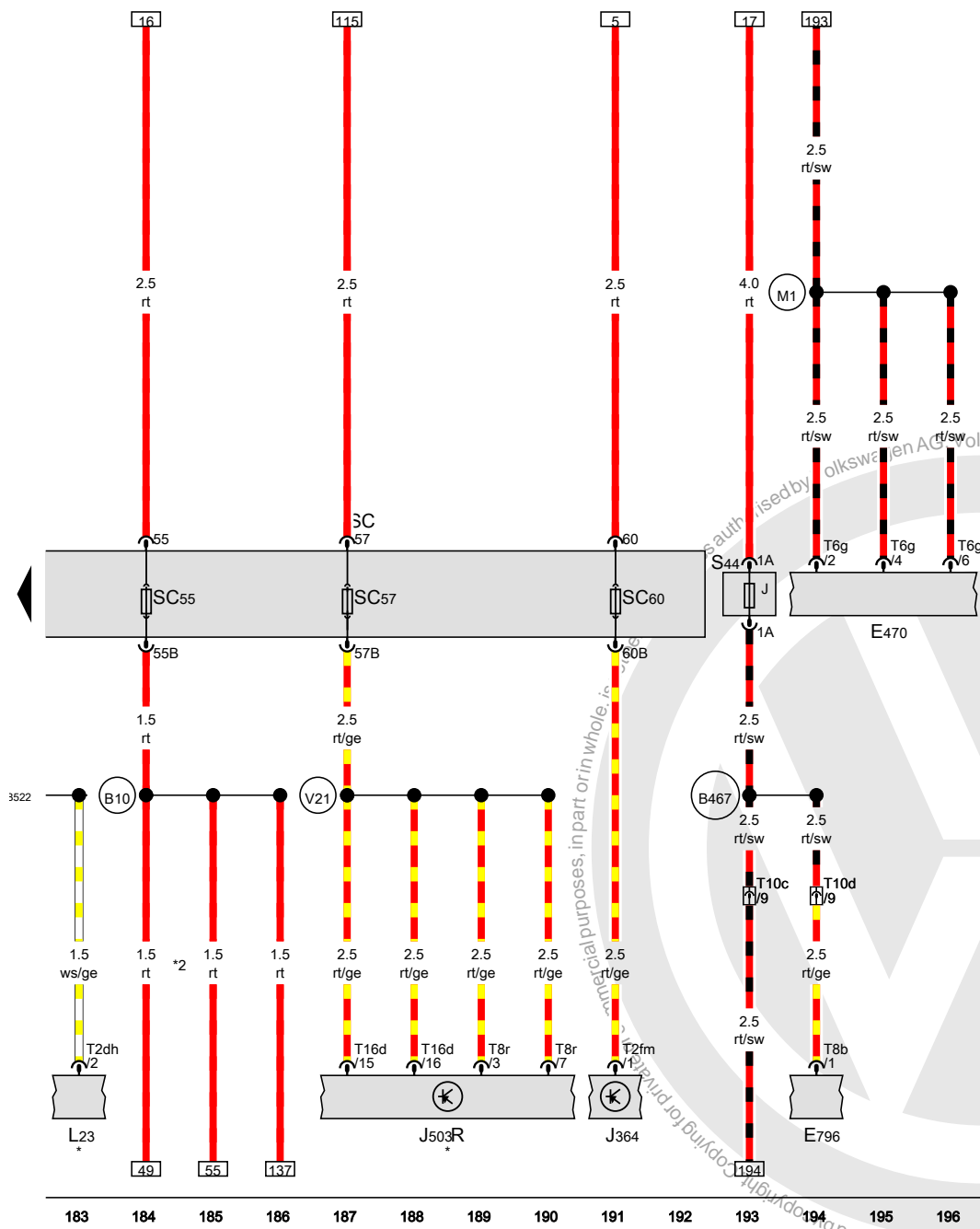
- J17 Fuel pump relay
- J49 Electric fuel pump 2 relay
- J245 Sliding sunroof adjustment control unit
- J643 Fuel supply relay
- J774 Heated front seats control unit
- L22 Left fog light bulb
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- T2dg 2-pin connector
- T5aa 5-pin connector
- T5ab 5-pin connector
- T5ac 5-pin connector
- T8z 8-pin connector
- T10c 10-pin connector
- T10e 10-pin connector

- (B156) Positive connection (30a), in interior wiring harness
 - (B231) Positive connection 5 (30a), in interior wiring harness
 - (B522) Connection (FL), in main wiring harness
 - (O1) Positive connection (30), in seat heating wiring harness
- * see applicable current flow diagram for engine
 *2 According to equipment

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- gr = grey
- li = purple
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169-170-171-172-173-174-175-176-177-178-179-180-181-182



Fuse holder C

- E470 Driver seat adjustment operating unit
- E796 Backrest adjustment button 2
- J364 Auxiliary heater control unit
- J503 Control unit with display for radio and navigation
- L23 Right fog light bulb
- R Radio
- S44 Driver seat adjustment thermal fuse 1
- SC Fuse holder C
- SC55 Fuse 55 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T2dh 2-pin connector
- T2fm 2-pin connector
- T6g 6-pin connector
- T8b 8-pin connector
- T8r 8-pin connector
- T10c 10-pin connector
- T10d 10-pin connector
- T16d 16-pin connector

- (B10) Positive connection (30), in light switch wiring harness
- (B467) Connection 3, in main wiring harness
- (B522) Connection (FL), in main wiring harness
- (M1) Positive connection 1 (30), in seat adjustment wiring harness
- (V21) Positive connection (30), in radio - amplifier wiring harness
- * According to equipment
- *2 Only models with equipment for China

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
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 or = orange
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Fuses in interior , (AW1)

From May 2013



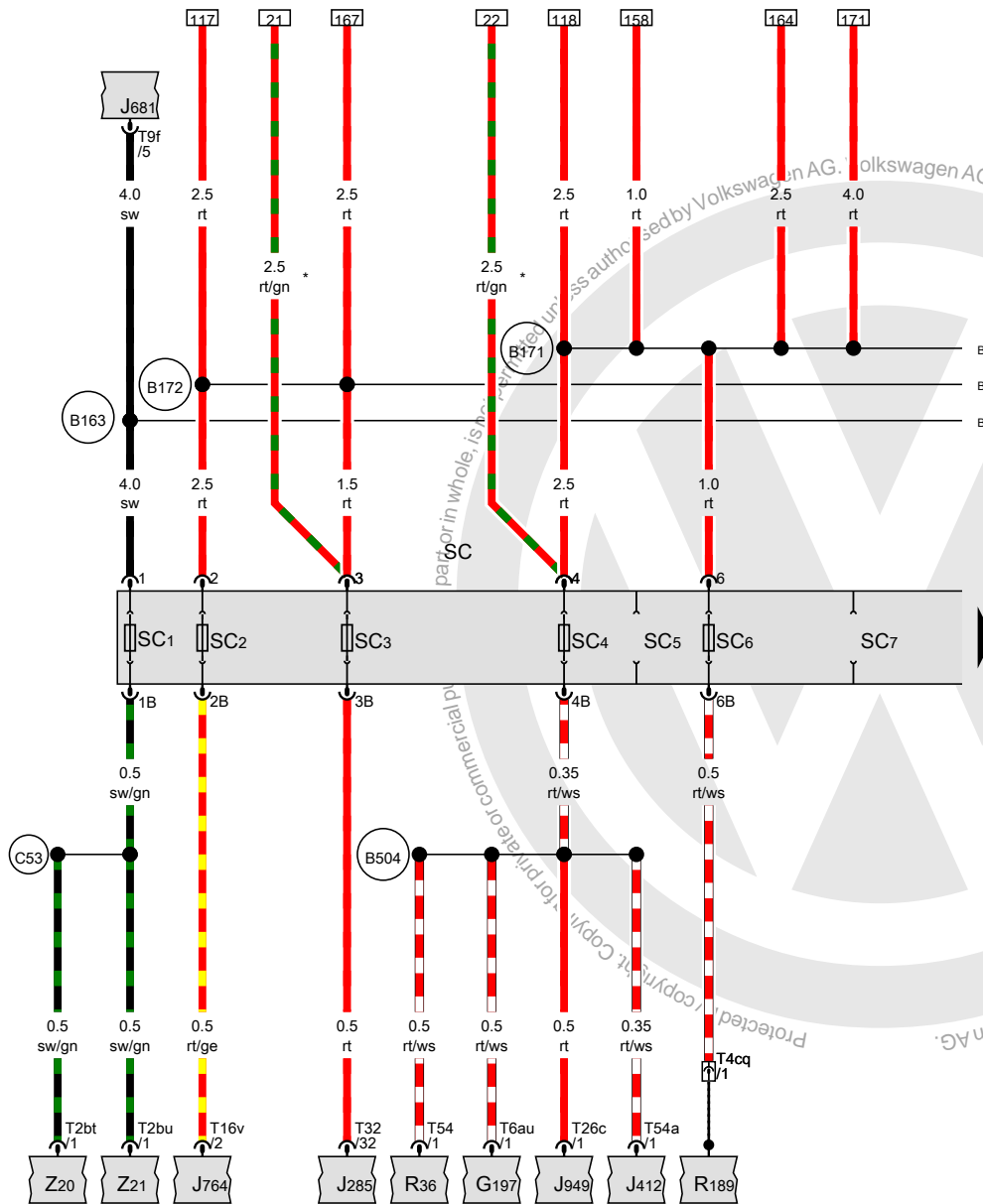
Fuse holder C

- G197 Magnetic field sender for compass
- J285 Control unit in dash panel insert
- J412 Mobile telephone operating electronics control unit
- J681 Terminal 15 voltage supply relay 2
- J764 Control unit for electronic steering column lock
- J949 Emergency call module control unit and communication unit
- R36 Telephone transmitter and receiver unit
- R189 Reversing camera
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- T2bt 2-pin connector
- T2bu 2-pin connector
- T4cq 4-pin connector
- T6au 6-pin connector
- T9f 9-pin connector
- T16v 16-pin connector
- T26c 26-pin connector
- T32 32-pin connector
- T54 54-pin connector
- T54a 54-pin connector
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- B163 Positive connection 1 (15), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness
- C53 Positive connection (x), in heated washer jets wiring harness

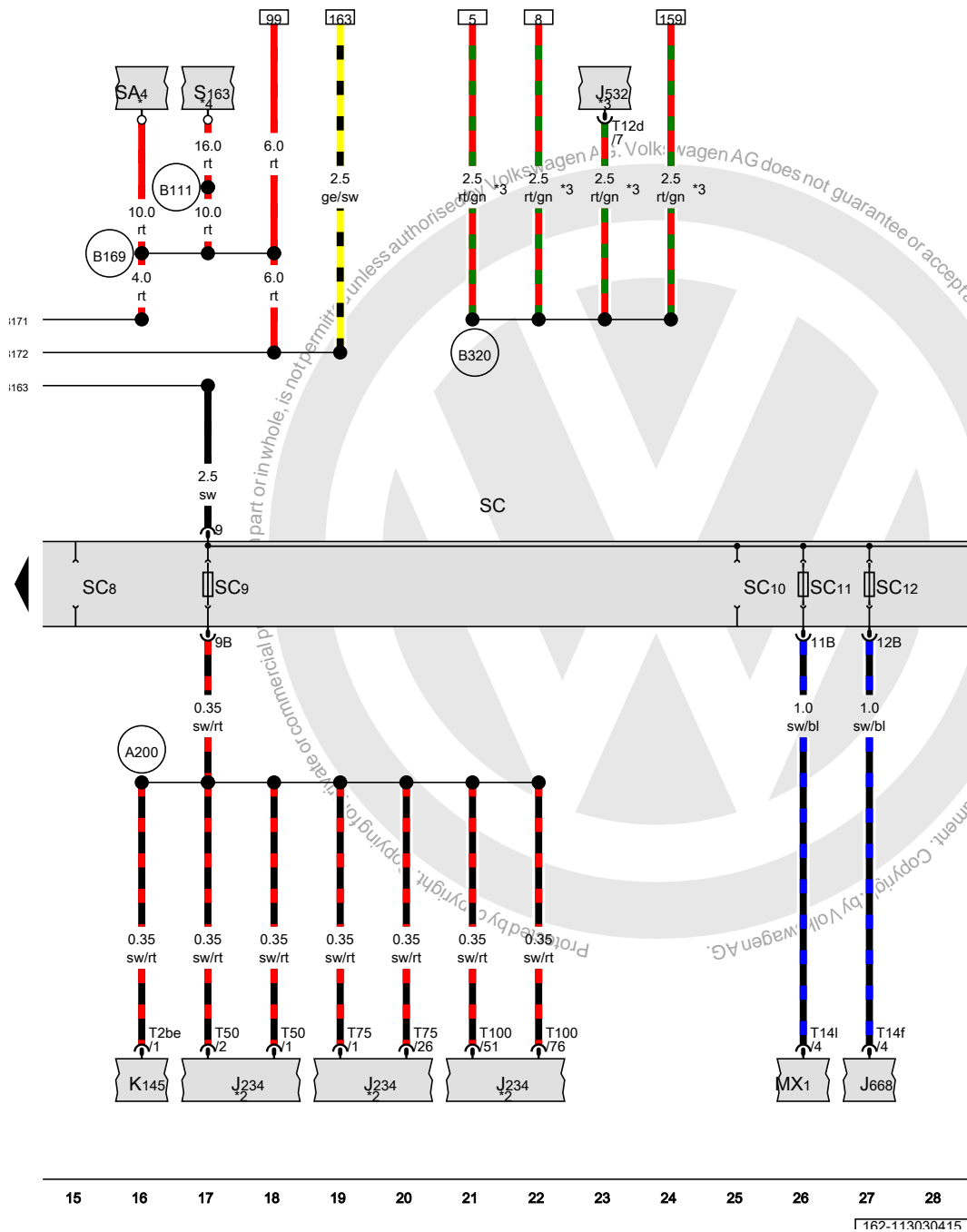
* Only models with start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- rs = pink



1 2 3 4 5 6 7 8 9 10 11 12 13 14

162-113020415



Fuse holder C

- J234 Airbag control unit
- J532 Voltage stabiliser
- J668 Output module for right headlight
- K145 Front passenger side airbag deactivated warning lamp
- MX1 Front left headlight
- SA4 Fuse 4 in fuse holder A
- SC Fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC9 Fuse 9 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- S163 Fuse 2 (30), in battery fuse holder
- T2be 2-pin connector
- T12d 12-pin connector
- T14f 14-pin connector
- T14l 14-pin connector
- T50 50-pin connector
- T75 75-pin connector
- T100 100-pin connector

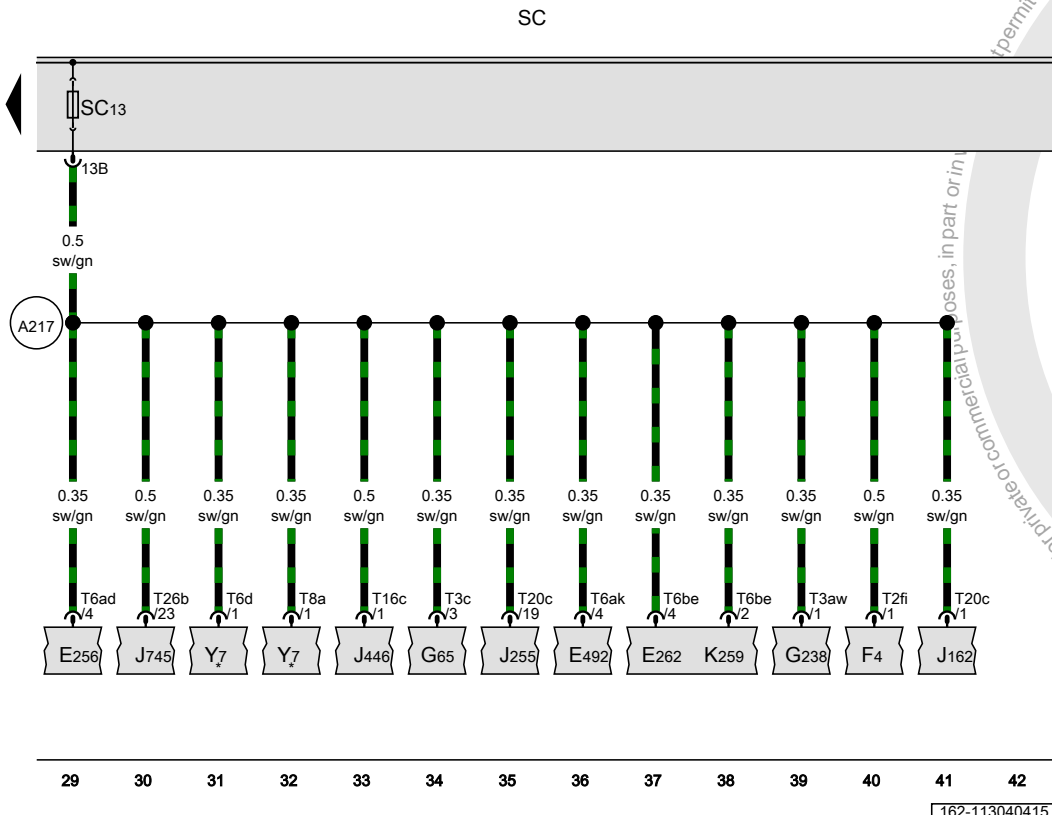
- A200 Positive connection 5 (15a) in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness

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- * Only models with no hybrid drive system
- *2 see applicable current flow diagram for airbag
- *3 Only models with start/stop system
- *4 Only models with hybrid drive system

Fuse holder C

- E256 Button for TCS and electronic stabilisation program
- E262 Start/Stop operation switch
- E492 Tyre Pressure Loss Indicator button
- F4 Reversing light switch
- G65 High-pressure sender
- G238 Air quality sensor
- J162 Heater control unit
- J255 Climatronic control unit
- J446 Parking aid control unit
- J745 Control unit for cornering light and headlight range control
- K259 Start/Stop operation warning lamp
- SC Fuse holder C
- SC13 Fuse 13 on fuse holder C
- T2fi 2-pin connector
- T3aw 3-pin connector
- T3c 3-pin connector
- T6ad 6-pin connector
- T6ak 6-pin connector
- T6be 6-pin connector
- T6d 6-pin connector
- T8a 8-pin connector
- T16c 16-pin connector
- T20c 20-pin connector
- T26b 26-pin connector
- Y7 Automatic anti-dazzle interior mirror



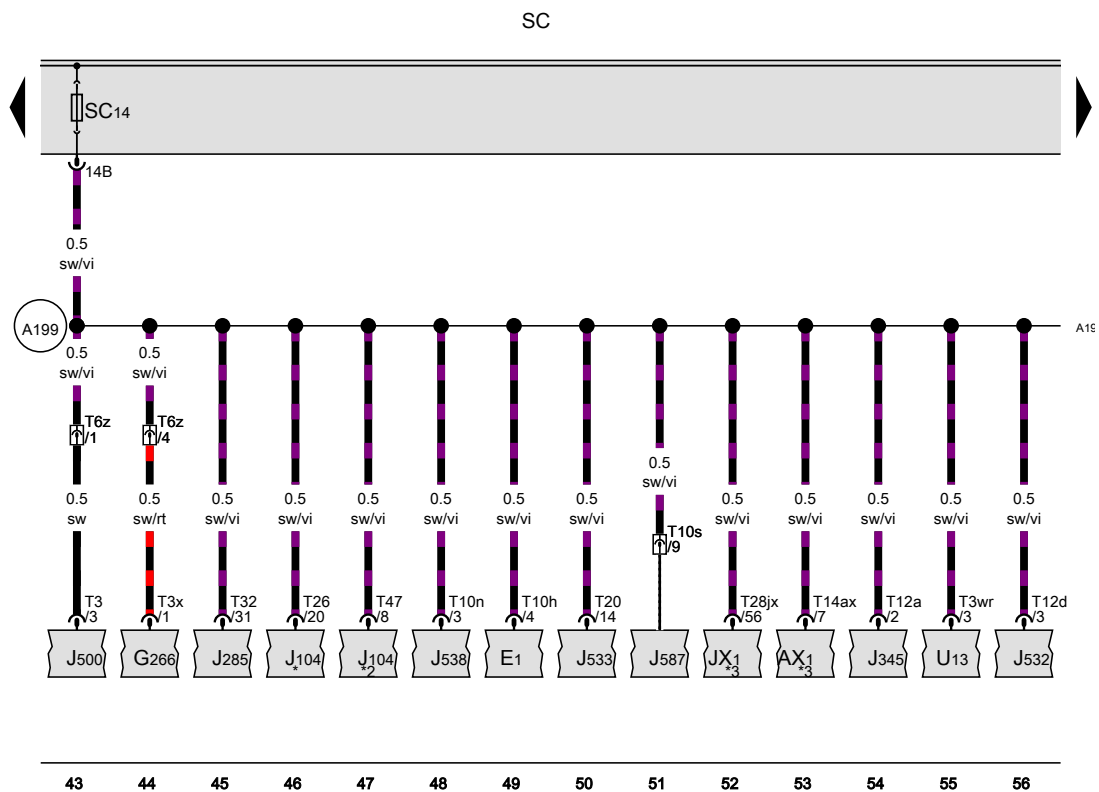
- A217 Positive connection 8 (15a) in dash panel wiring harness
- * According to equipment

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- gn = green
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162-113040415

Fuse holder C

- AX1 Hybrid battery unit
- E1 Light switch
- G266 Oil level and oil temperature sender
- JX1 Power and control electronics for electric drive
- J104 ABS control unit
- J285 Control unit in dash panel insert
- J345 Trailer detector control unit
- J500 Power steering control unit
- J532 Voltage stabiliser
- J533 Data bus diagnostic interface
- J538 Fuel pump control unit
- J587 Selector lever sensors control unit
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- T3 3-pin connector
- T3wr 3-pin connector
- T3x 3-pin connector
- T6z 6-pin connector
- T10h 10-pin connector
- T10n 10-pin connector
- T10s 10-pin connector
- T12a 12-pin connector
- T12d 12-pin connector
- T14ax 14-pin connector
- T20 20-pin connector
- T26 26-pin connector
- T28jx 28-pin connector
- T32 32-pin connector
- T47 47-pin connector
- U13 DC/AC converter with socket, 12 V - 230 V



- A199 Positive connection 4 (15a) in dash panel wiring harness
- * Only models with ABS and with no ESP
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with hybrid drive system

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- vi = purple
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- or = orange
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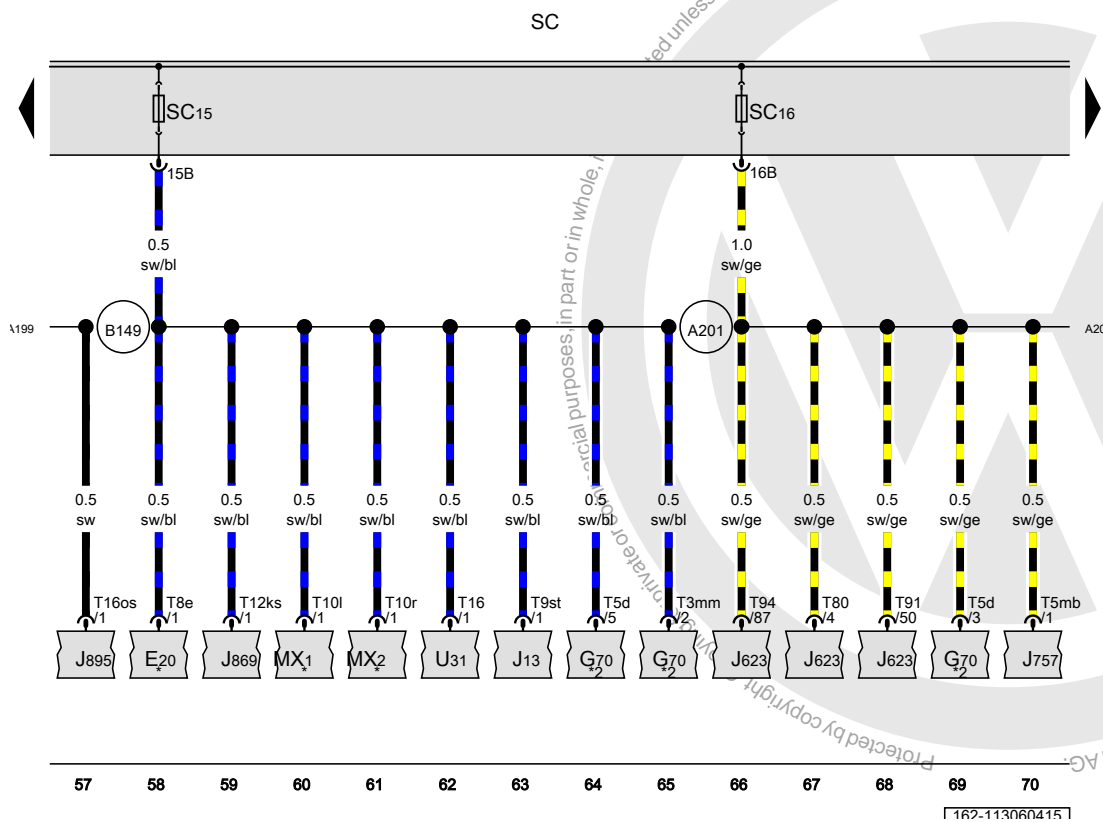
162-113050415

Fuse holder C

- E20 Switch and instrument illumination regulator
- G70 Air mass meter
- J13 Fresh air blower relay
- J623 Engine control unit
- J757 Engine component current supply relay
- J869 Control unit for structure-borne sound
- J895 Control unit for vehicle location system
- MX1 Front left headlight
- MX2 Front right headlight
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T3mm 3-pin connector
- T5d 5-pin connector
- T5mb 5-pin connector
- T8e 8-pin connector
- T9st 9-pin connector
- T10l 10-pin connector
- T10r 10-pin connector
- T12ks 12-pin connector
- T16 16-pin connector
- T16os 16-pin connector
- T80 80-pin connector
- T91 91-pin connector
- T94 94-pin connector
- U31 Diagnostic connection

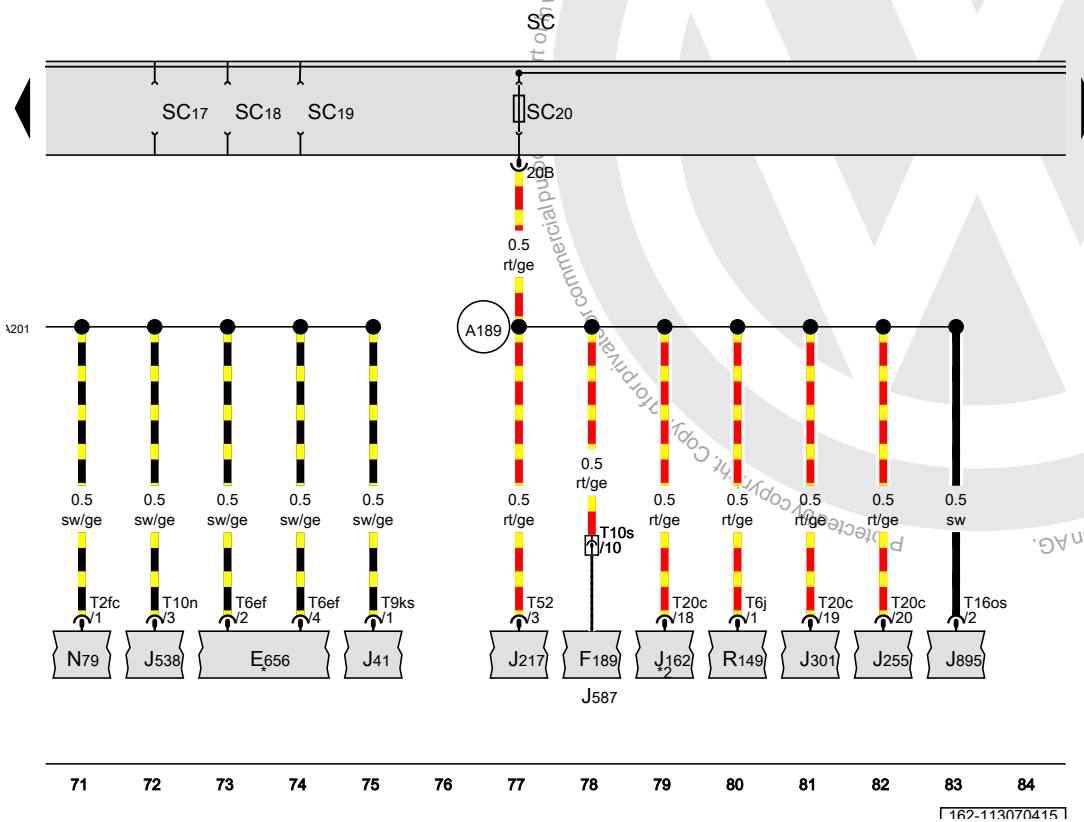
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness

* According to equipment
 *2 see applicable current flow diagram for engine



Fuse holder C

- E656 Button for electric drive
- F189 Tiptronic switch
- J41 Cold start device relay
- J162 Heater control unit
- J217 Automatic gearbox control unit
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J538 Fuel pump control unit
- J587 Selector lever sensors control unit
- J895 Control unit for vehicle location system
- N79 Heater element for crankcase breather
- R149 Remote control receiver for auxiliary coolant heater
- SC Fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T2fc 2-pin connector
- T6ef 6-pin connector
- T6j 6-pin connector
- T9ks 9-pin connector
- T10n 10-pin connector
- T10s 10-pin connector
- T16os 16-pin connector
- T20c 20-pin connector
- T52 52-pin connector



- A189 Positive connection 5 (30a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- * Only models with hybrid drive system
- *2 Only models with auxiliary coolant heater

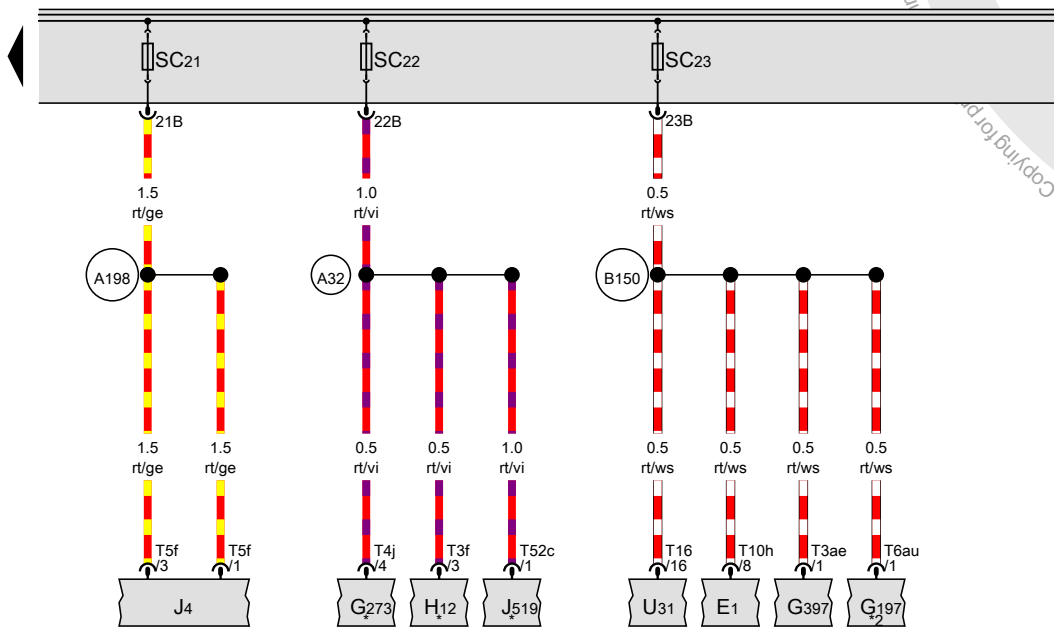
- ws = white
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162-113070415

Fuse holder C

- E1 Light switch
- G197 Magnetic field sender for compass
- G273 Interior monitoring sensor
- G397 Rain and light sensor
- H12 Alarm horn
- J4 Dual tone horn relay
- J519 Onboard supply control unit
- SC Fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T3ae 3-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T5f 5-pin connector
- T6au 6-pin connector
- T10h 10-pin connector
- T16 16-pin connector
- T52c 52-pin connector
- U31 Diagnostic connection

SC

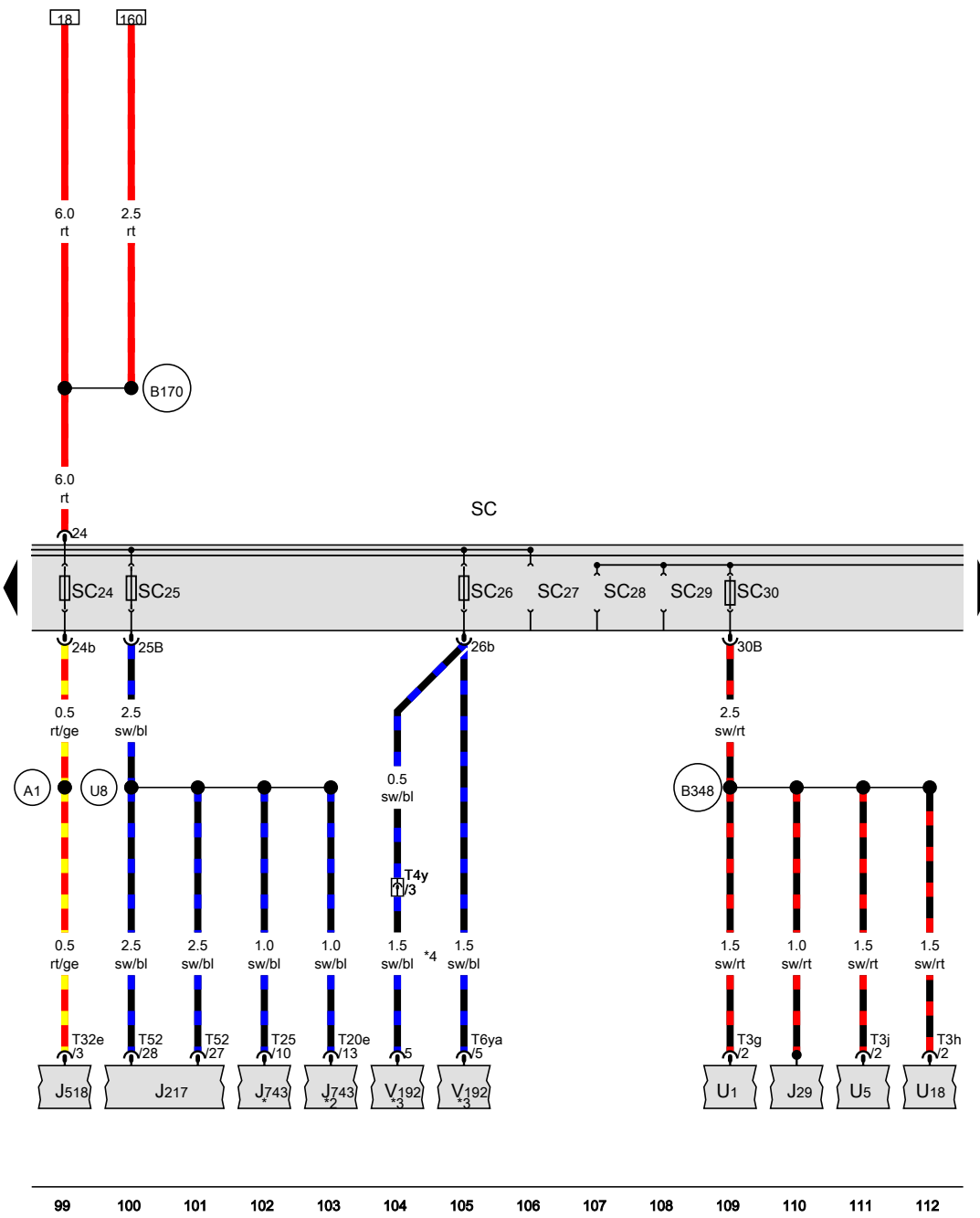


- A32 Positive connection (30), in dash panel wiring harness
- A198 Positive connection 6 (30a) in dash panel wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- * Not for American markets
- *2 Only models with no start/stop system

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- gr = grey
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85 86 87 88 89 90 91 92 93 94 95 96 97 98

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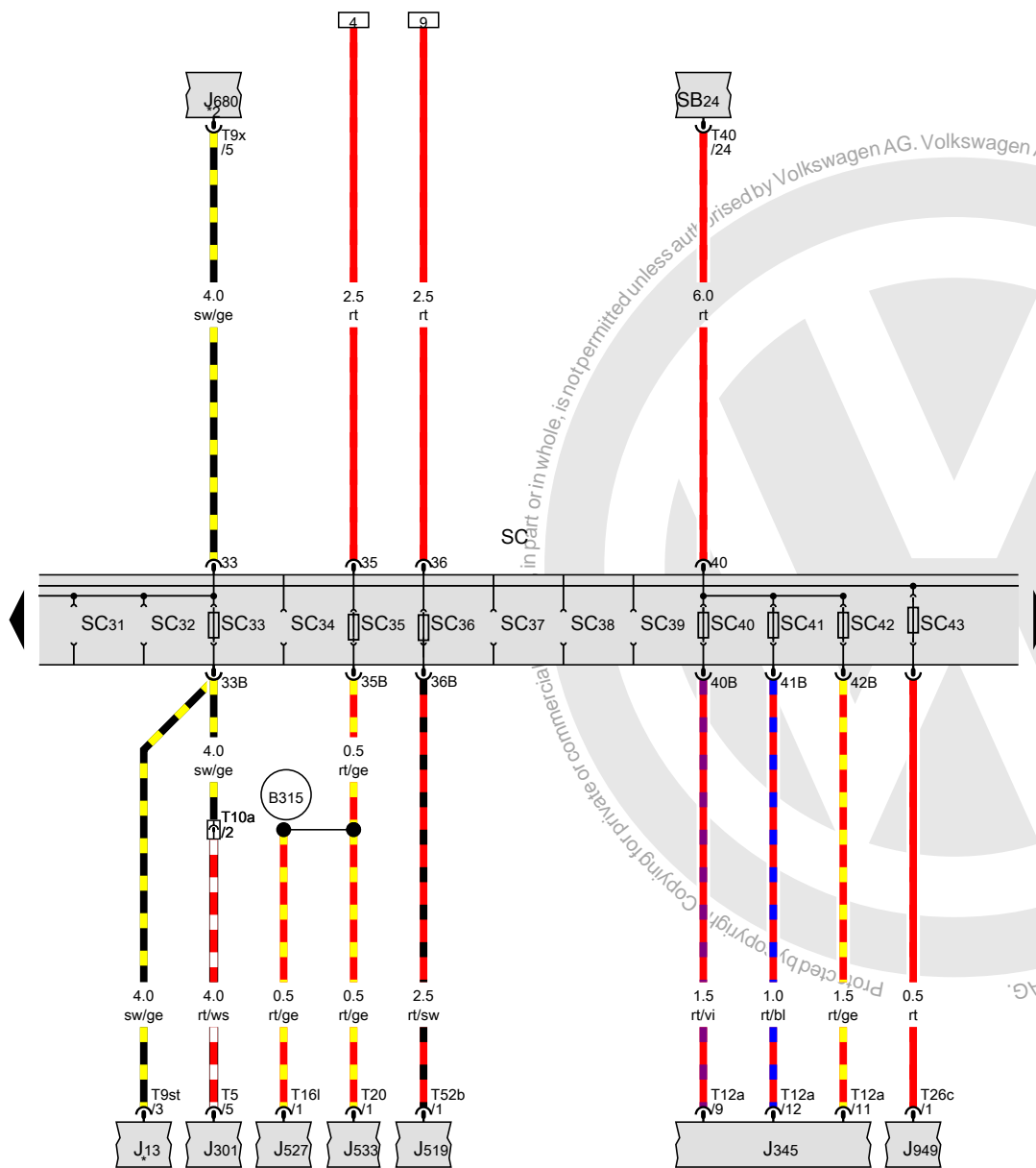
Fuse holder C

- J29 Blocking diode
- J217 Automatic gearbox control unit
- J518 Entry and start authorisation control unit
- J743 Mechatronic unit for dual clutch gearbox
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- T3g 3-pin connector
- T3h 3-pin connector
- T3j 3-pin connector
- T4y 4-pin connector
- T6ya 6-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T32e 32-pin connector
- T52 52-pin connector
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2
- V192 Vacuum pump for brakes

- A1 Positive connection (30a), in dash panel wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B348 Connection 1 (75a), in main wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness

- * Only models with dual clutch gearbox 0AM
- *2 Only models with dual clutch gearbox 02E
- *3 According to equipment
- *4 Only models with automatic gearbox

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Fuse holder C

- J13 Fresh air blower relay
- J301 Air conditioning system control unit
- J345 Trailer detector control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J680 Terminal 75 voltage supply relay 1
- J949 Emergency call module control unit and communication unit
- SB24 Fuse 24 on fuse holder B
- SC Fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- T5 5-pin connector
- T9st 9-pin connector
- T9x 9-pin connector
- T10a 10-pin connector
- T12a 12-pin connector
- T16l 16-pin connector
- T20 20-pin connector
- T26c 26-pin connector
- T40 40-pin connector
- T52b 52-pin connector

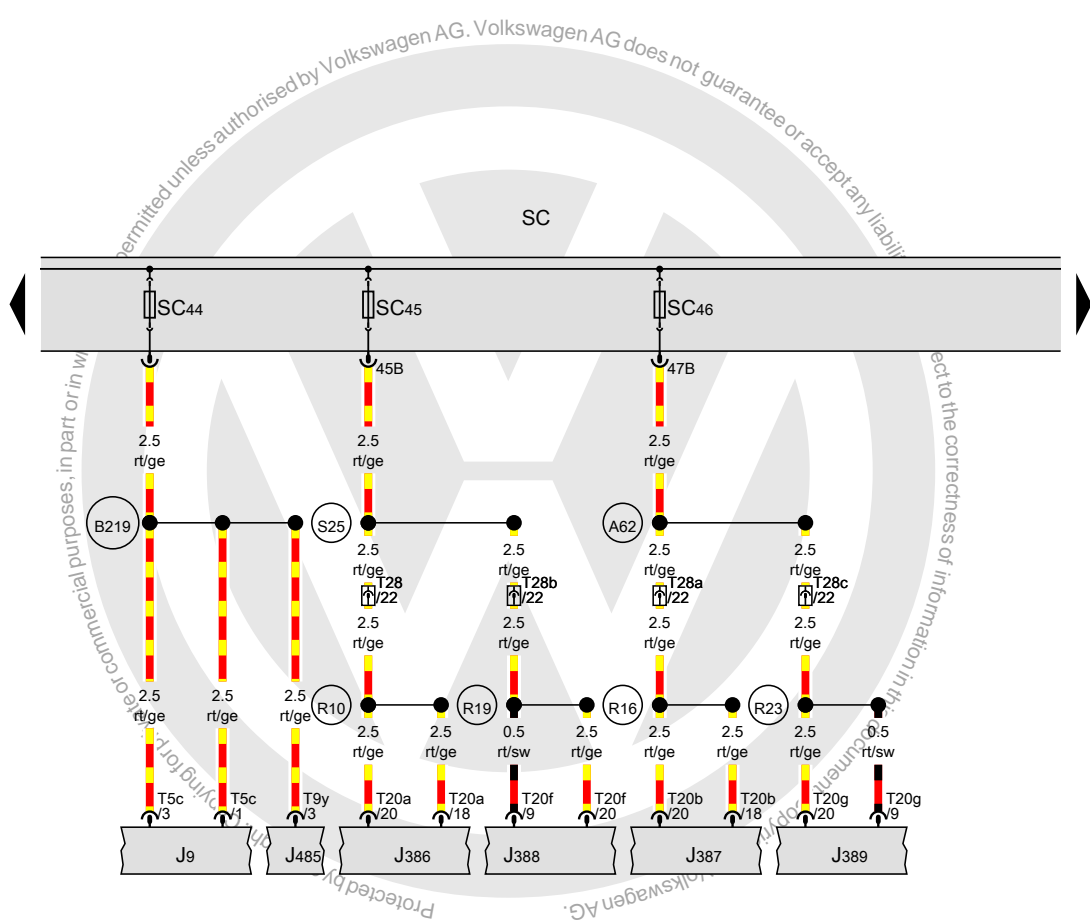
B315 Positive connection 1 (30a) in main wiring harness

* Only models with auxiliary heating
 *2 see applicable current flow diagram for basic equipment

- ws = white
- sw = black
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Fuse holder C

- J9 Heated rear window relay
- J386 Driver door control unit
- J387 Front passenger door control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- J485 Auxiliary heater operation relay
- SC Fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- T5c 5-pin connector
- T9y 9-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T20f 20-pin connector
- T20g 20-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T28b 28-pin connector
- T28c 28-pin connector



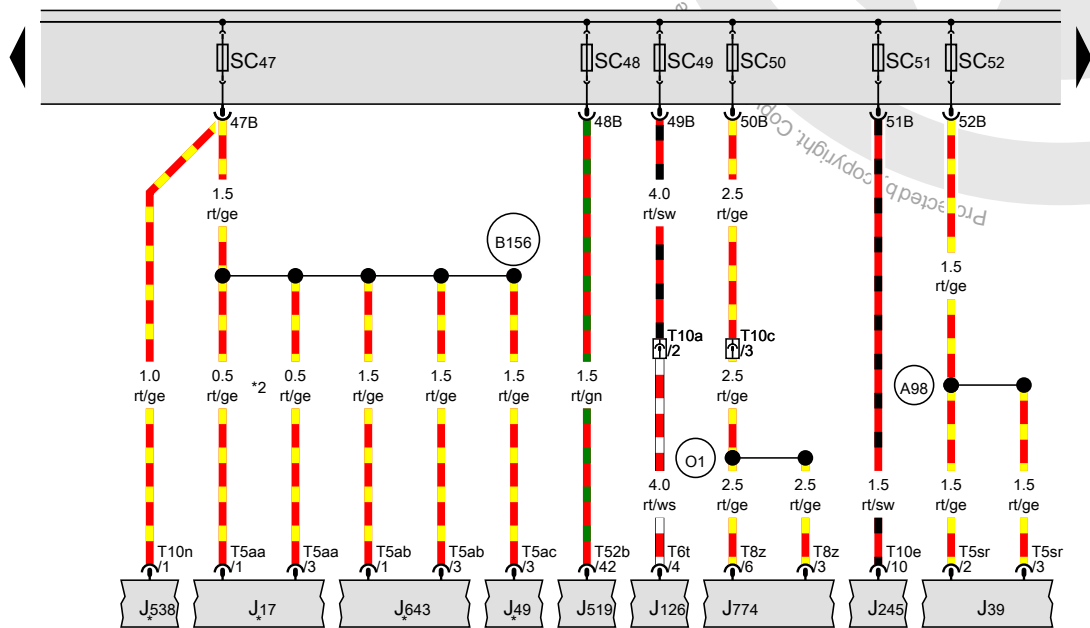
- (A62) Connection (window regulators), in dash panel wiring harness
- (B219) Positive connection 4 (30a), in interior wiring harness
- (R10) Positive connection 1 (30), in driver door wiring harness
- (R16) Positive connection 1 (30), in front passenger door wiring harness
- (R19) Positive connection 1 (30), in rear left door wiring harness
- (R23) Positive connection 1 (30), in rear right door wiring harness
- (S25) Positive connection (30a), in central locking wiring harness

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Fuse holder C

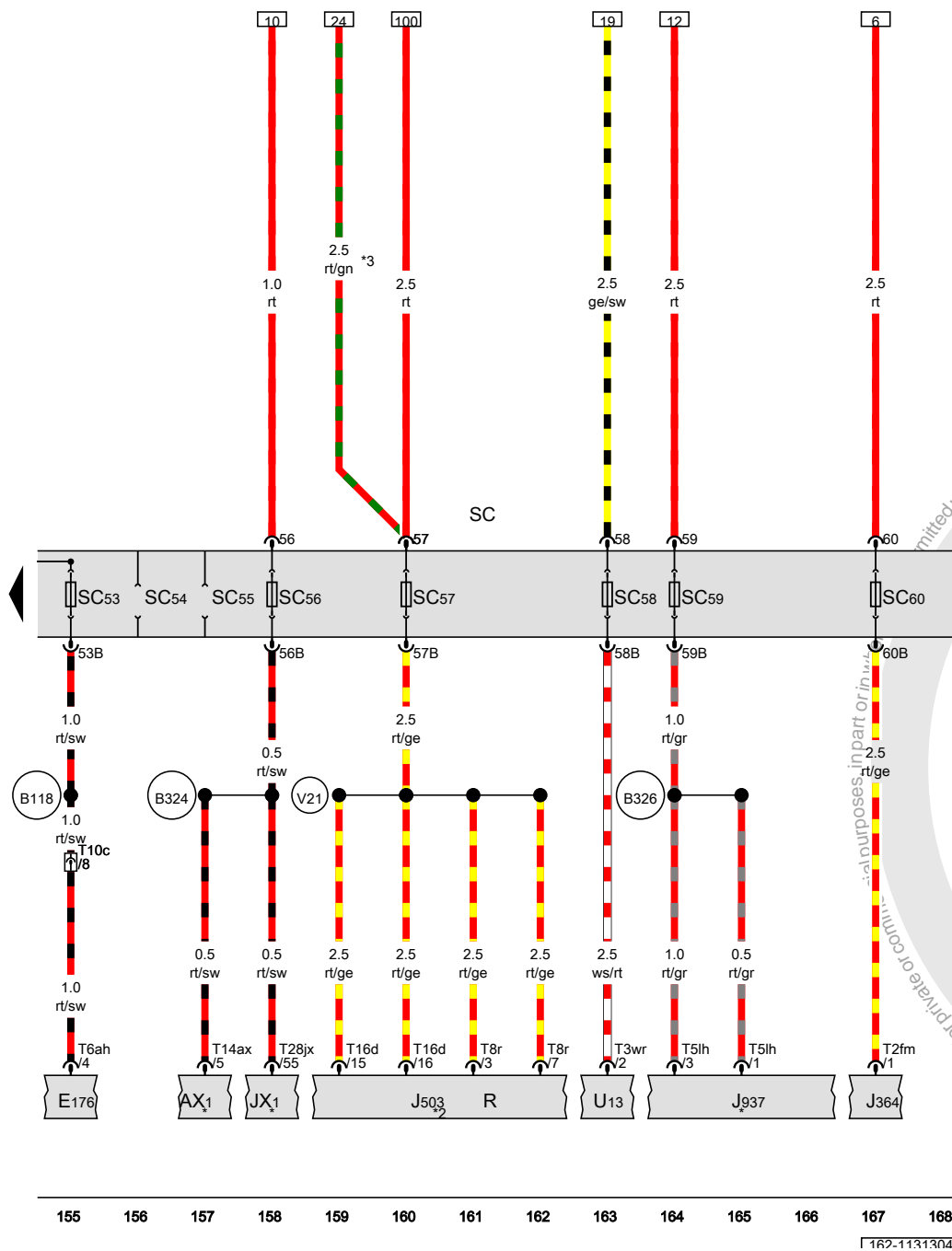
- J17 Fuel pump relay
- J39 Headlight washer system relay
- J49 Electric fuel pump 2 relay
- J126 Fresh air blower control unit
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- J643 Fuel supply relay
- J774 Heated front seats control unit
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T5aa 5-pin connector
- T5ab 5-pin connector
- T5ac 5-pin connector
- T5sr 5-pin connector
- T6t 6-pin connector
- T8z 8-pin connector
- T10a 10-pin connector
- T10c 10-pin connector
- T10e 10-pin connector
- T10n 10-pin connector
- T52b 52-pin connector

SC



- (A98) Positive connection 4 (30), in dash panel wiring harness
- (B156) Positive connection (30a), in interior wiring harness
- (O1) Positive connection (30), in seat heating wiring harness
- * see applicable current flow diagram for engine
- *2 According to equipment

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Fuse holder C

- AX1 Hybrid battery unit
- E176 Driver seat lumbar support adjustment switch
- JX1 Power and control electronics for electric drive
- J364 Auxiliary heater control unit
- J503 Control unit with display for radio and navigation
- J937 Fan enabling relay
- R Radio
- SC Fuse holder C
- SC53 Fuse 53 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- SC56 Fuse 56 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- SC59 Fuse 59 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T2fm 2-pin connector
- T3wr 3-pin connector
- T5lh 5-pin connector
- T6ah 6-pin connector
- T8r 8-pin connector
- T10c 10-pin connector
- T14ax 14-pin connector
- T16d 16-pin connector
- T28jx 28-pin connector
- U13 DC/AC converter with socket, 12 V - 230 V

- (B118) Connection (driver side seat adjustment), in interior wiring harness
- (B324) Positive connection 10 (30a) in main wiring harness
- (B326) Positive connection 12 (30a) in main wiring harness
- (V21) Positive connection (30), in radio - amplifier wiring harness

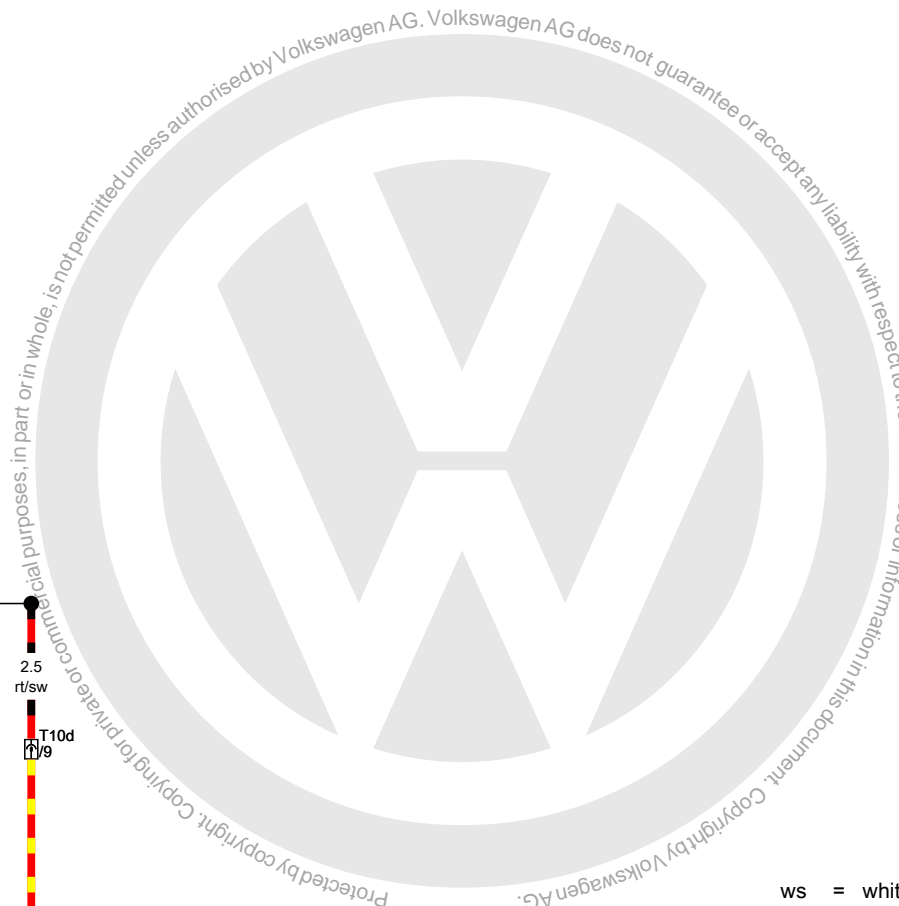
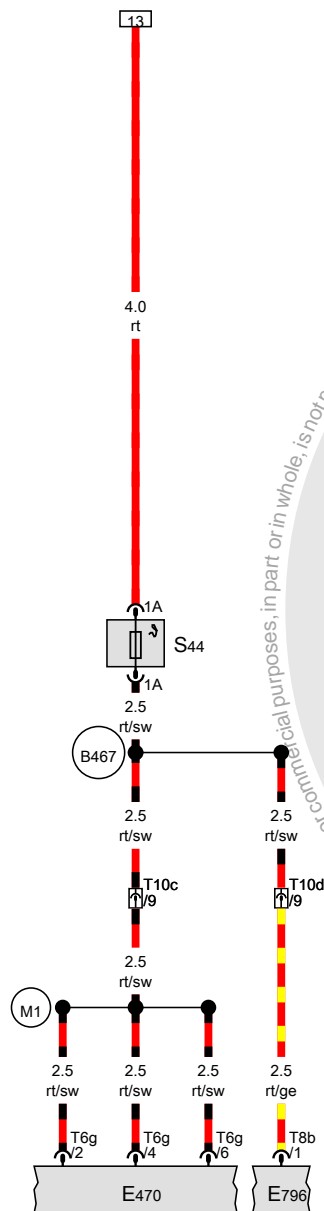
* Only models with hybrid drive system
 *2 According to equipment
 *3 Only models with start/stop system

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Driver seat adjustment thermal fuse 1

- E470 Driver seat adjustment operating unit
- E796 Backrest adjustment button 2
- S44 Driver seat adjustment thermal fuse 1
- T6g 6-pin connector
- T8b 8-pin connector
- T10c 10-pin connector
- T10d 10-pin connector

- B467 Connection 3, in main wiring harness
- M1 Positive connection 1 (30), in seat adjustment wiring harness

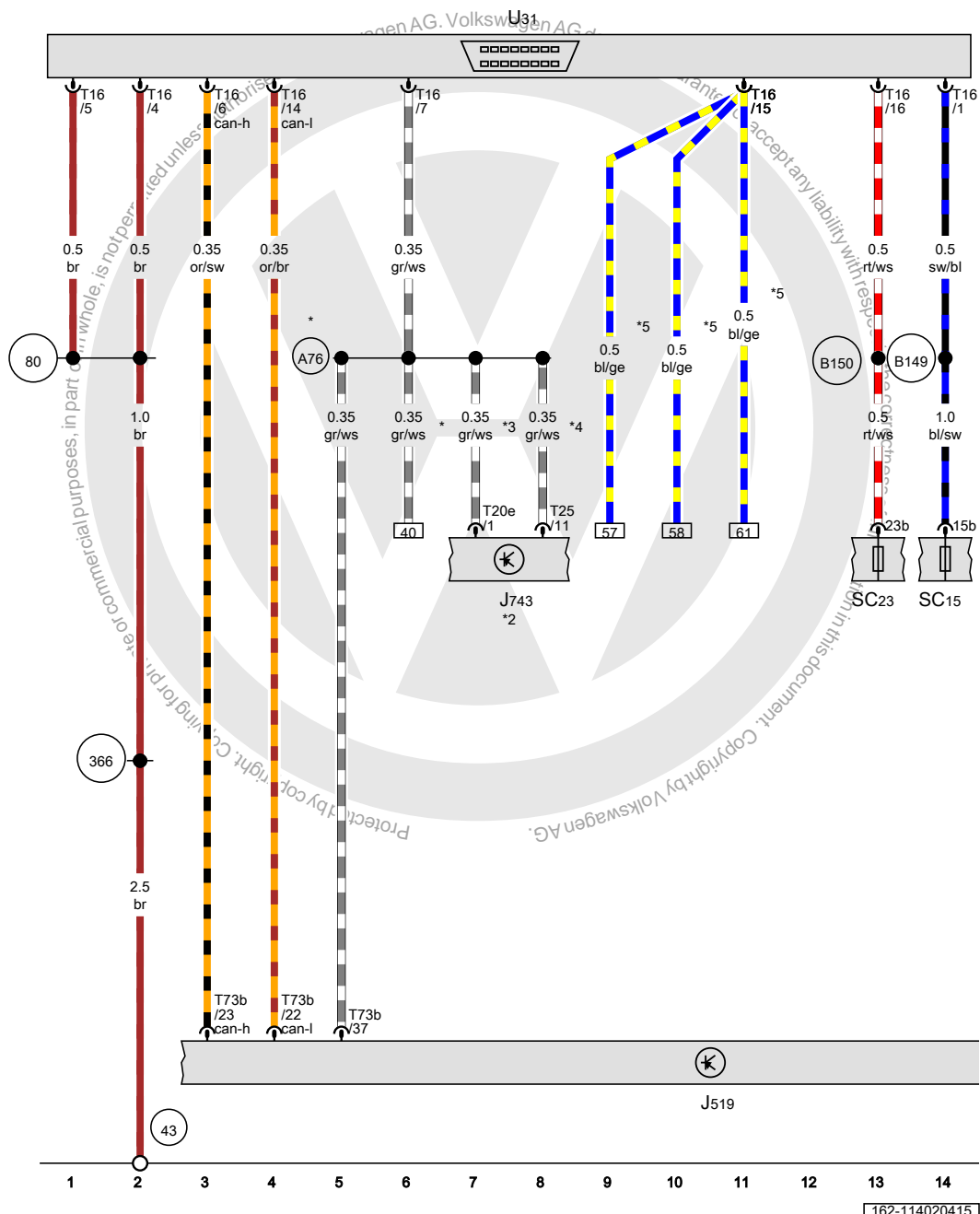


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Data bus network , (AW0)

From May 2013





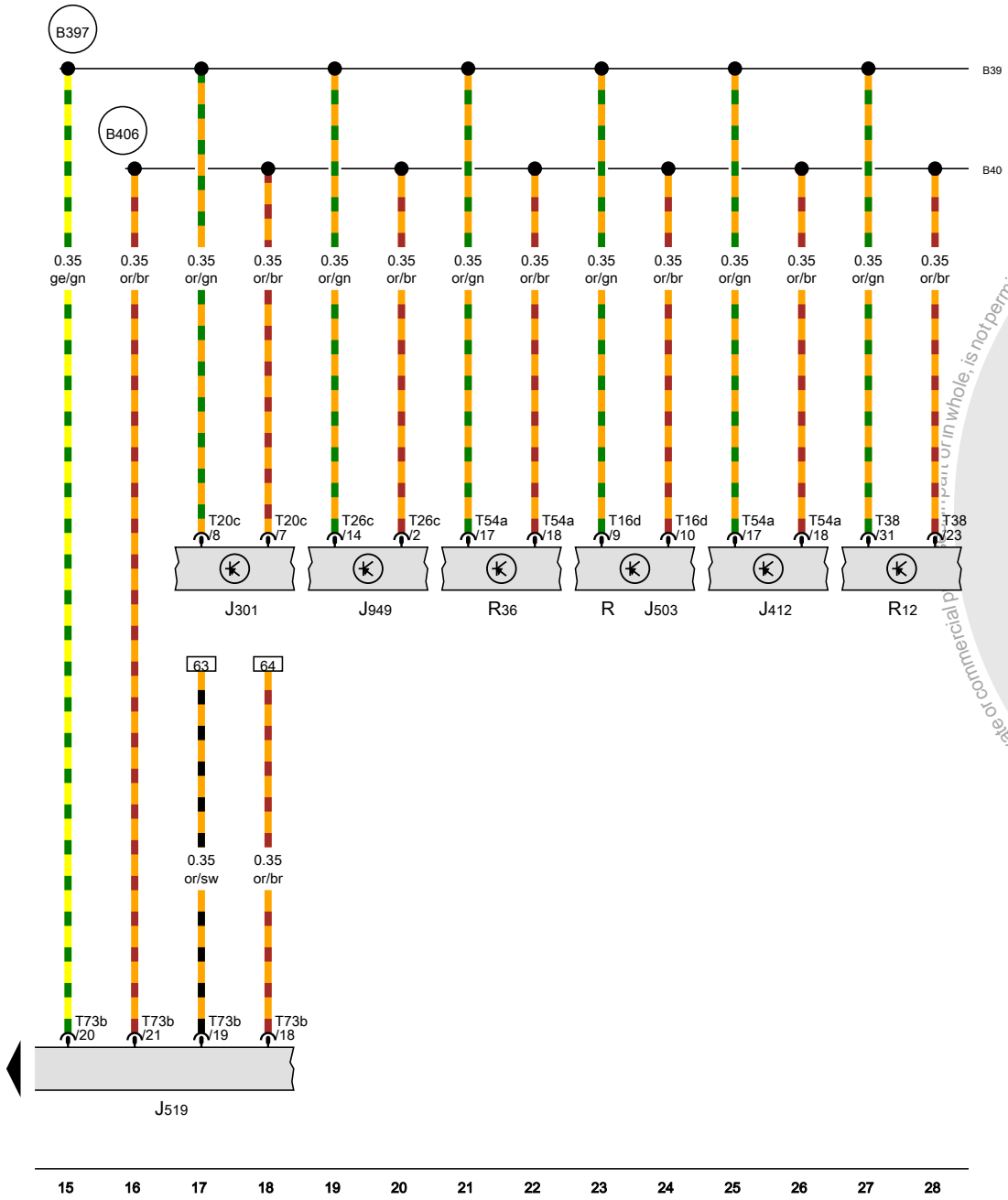
Diagnostic connection

- J519 Onboard supply control unit
- J743 Mechatronic unit for dual clutch gearbox
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T16 16-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T73b 73-pin connector
- U31 Diagnostic connection

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- * see applicable current flow diagram for automatic gearbox
- *2 see applicable current flow diagram for dual clutch gearbox
- *3 Only models with dual clutch gearbox 02E
- *4 Only models with dual clutch gearbox 0AM
- *5 see applicable current flow diagram for airbag

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162-114020415



Connection 1 (convenience CAN bus, high), in main wiring harness, Connection 1 (convenience CAN bus, low), in main wiring harness

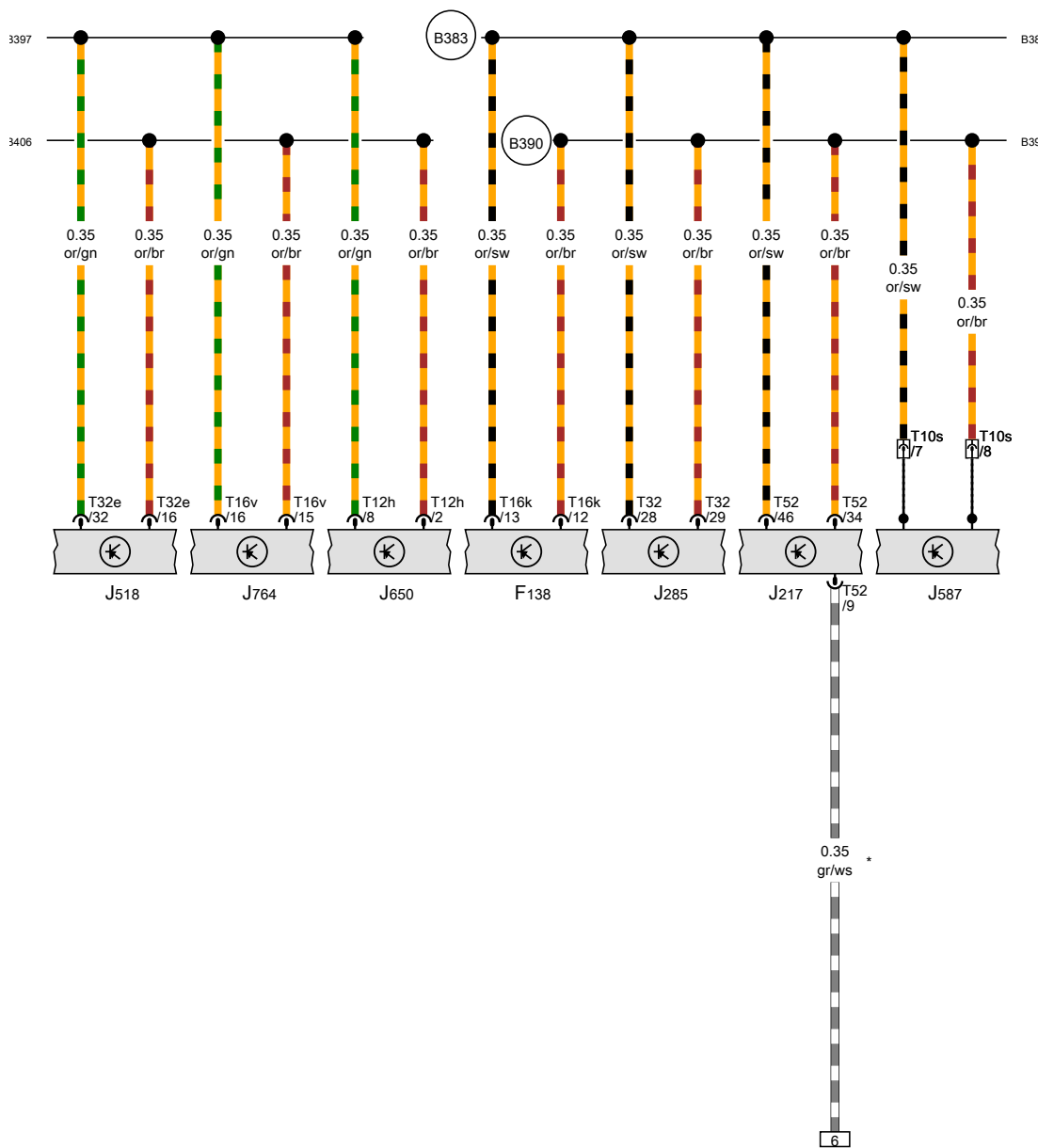
- J301 Air conditioning system control unit
- J412 Mobile telephone operating electronics control unit
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- J949 Emergency call module control unit and communication unit
- R Radio
- R12 Amplifier
- R36 Telephone transmitter and receiver unit
- T16d 16-pin connector
- T20c 20-pin connector
- T26c 26-pin connector
- T38 38-pin connector
- T54a 54-pin connector
- T73b 73-pin connector

B397 Connection 1 (convenience CAN bus, high), in main wiring harness

B406 Connection 1 (convenience CAN bus, low), in main wiring harness

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162-114030415



Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness, Connection 1 (convenience CAN bus, high), in main wiring harness, Connection 1 (convenience CAN bus, low), in main wiring harness

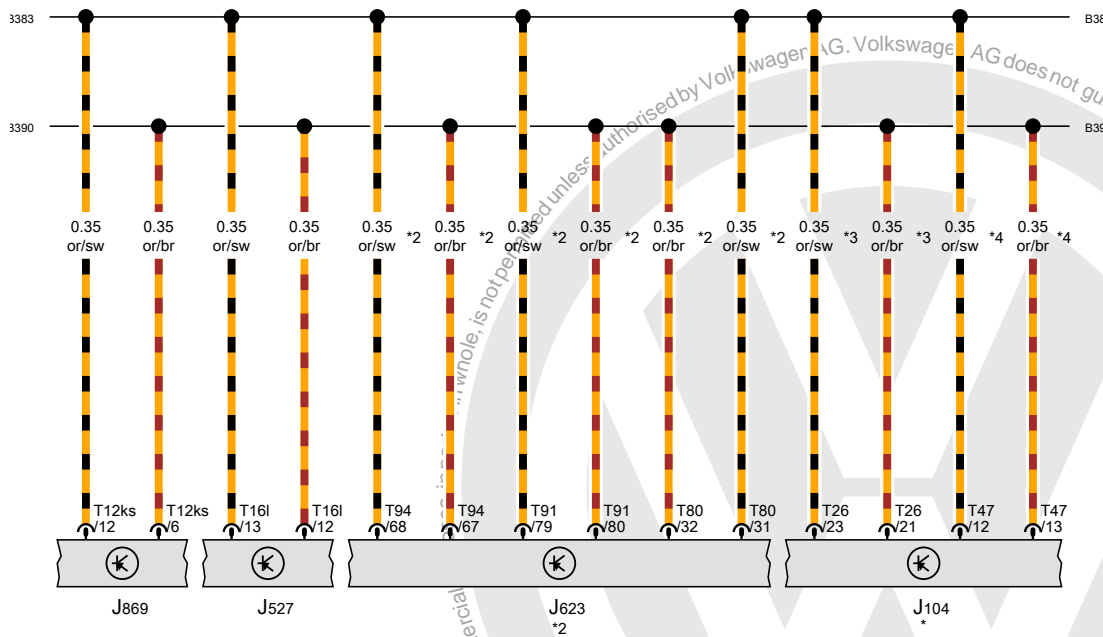
- F138 Airbag coil connector and return ring with slip ring
- J217 Automatic gearbox control unit
- J285 Control unit in dash panel insert
- J518 Entry and start authorisation control unit
- J587 Selector lever sensors control unit
- J650 Multimedia system control unit
- J764 Control unit for electronic steering column lock
- T10s 10-pin connector
- T12h 12-pin connector
- T16k 16-pin connector
- T16v 16-pin connector
- T32 32-pin connector
- T32e 32-pin connector
- T52 52-pin connector

- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397** Connection 1 (convenience CAN bus, high), in main wiring harness
- B406** Connection 1 (convenience CAN bus, low), in main wiring harness
- * see applicable current flow diagram for automatic gearbox

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29 30 31 32 33 34 35 36 37 38 39 40 41 42

162-1140415



Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness

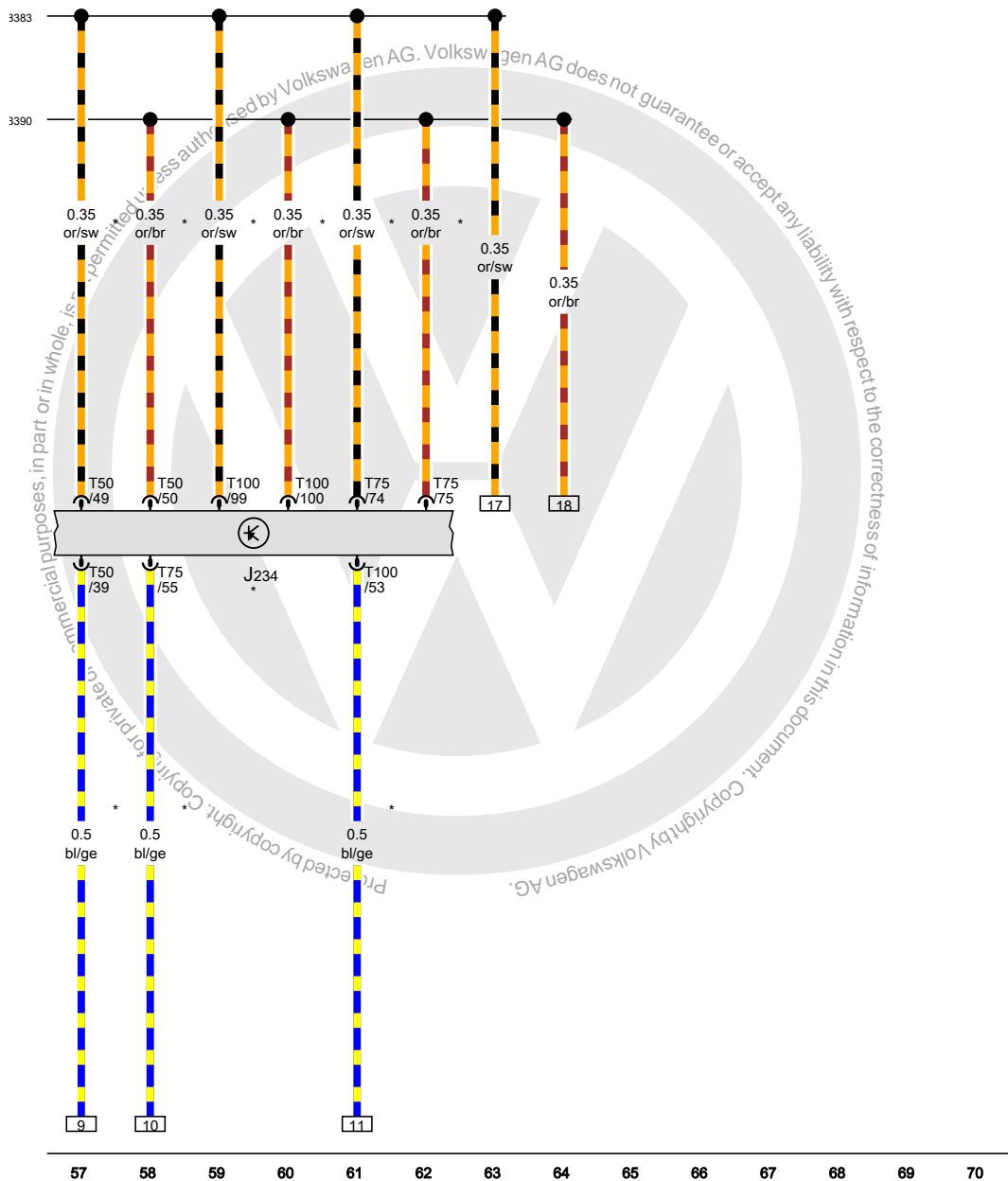
- J104 ABS control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- J869 Control unit for structure-borne sound
- T12ks 12-pin connector
- T16l 16-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T80 80-pin connector
- T91 91-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * see applicable current flow diagram for ABS
- *2 see applicable current flow diagram for engine
- *3 Only models with ABS and no ESP
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness

- J234 Airbag control unit
- T50 50-pin connector
- T75 75-pin connector
- T100 100-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* see applicable current flow diagram for airbag

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Data bus network , (AW1)

From May 2013

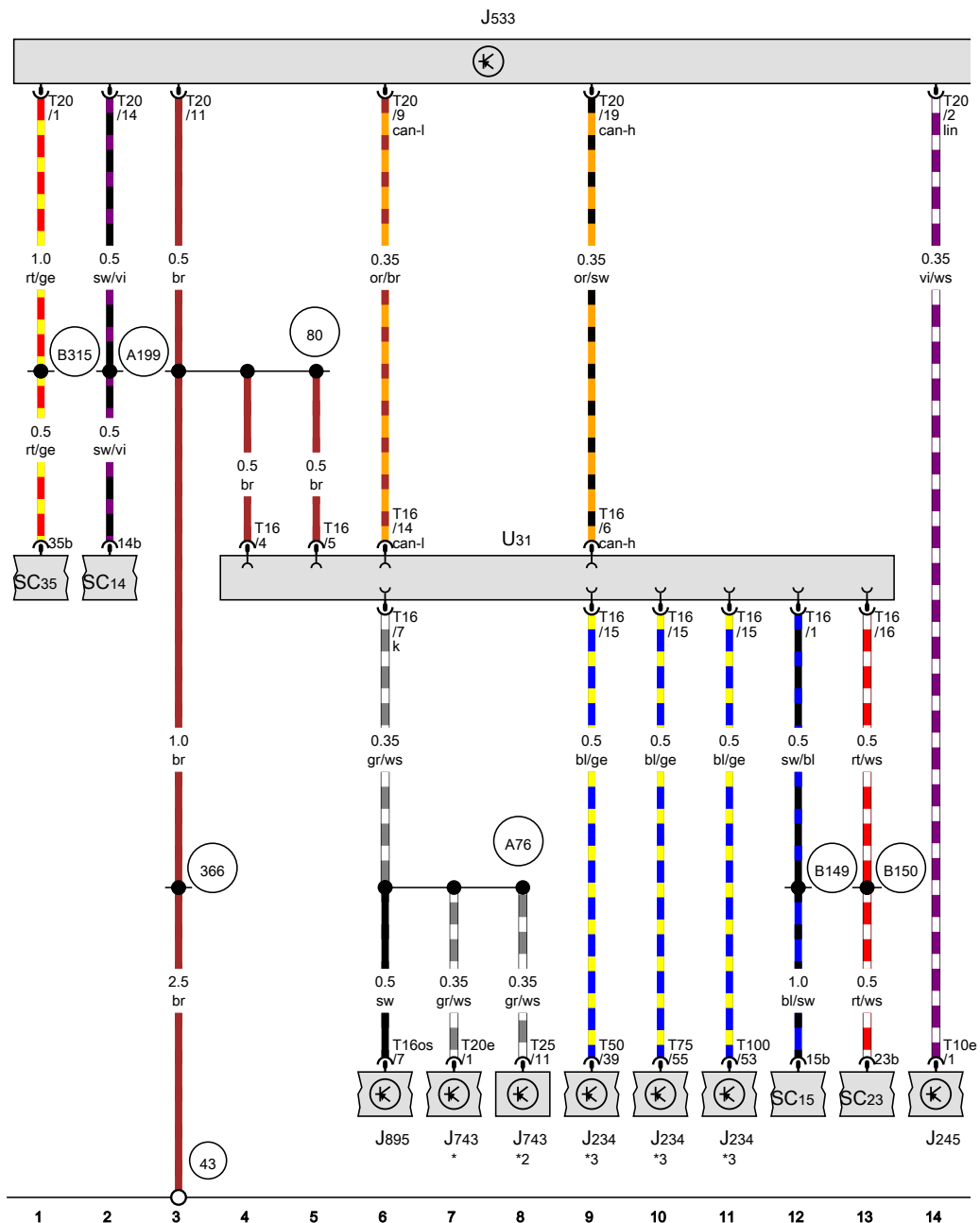


Data bus diagnostic interface, Diagnostic connection

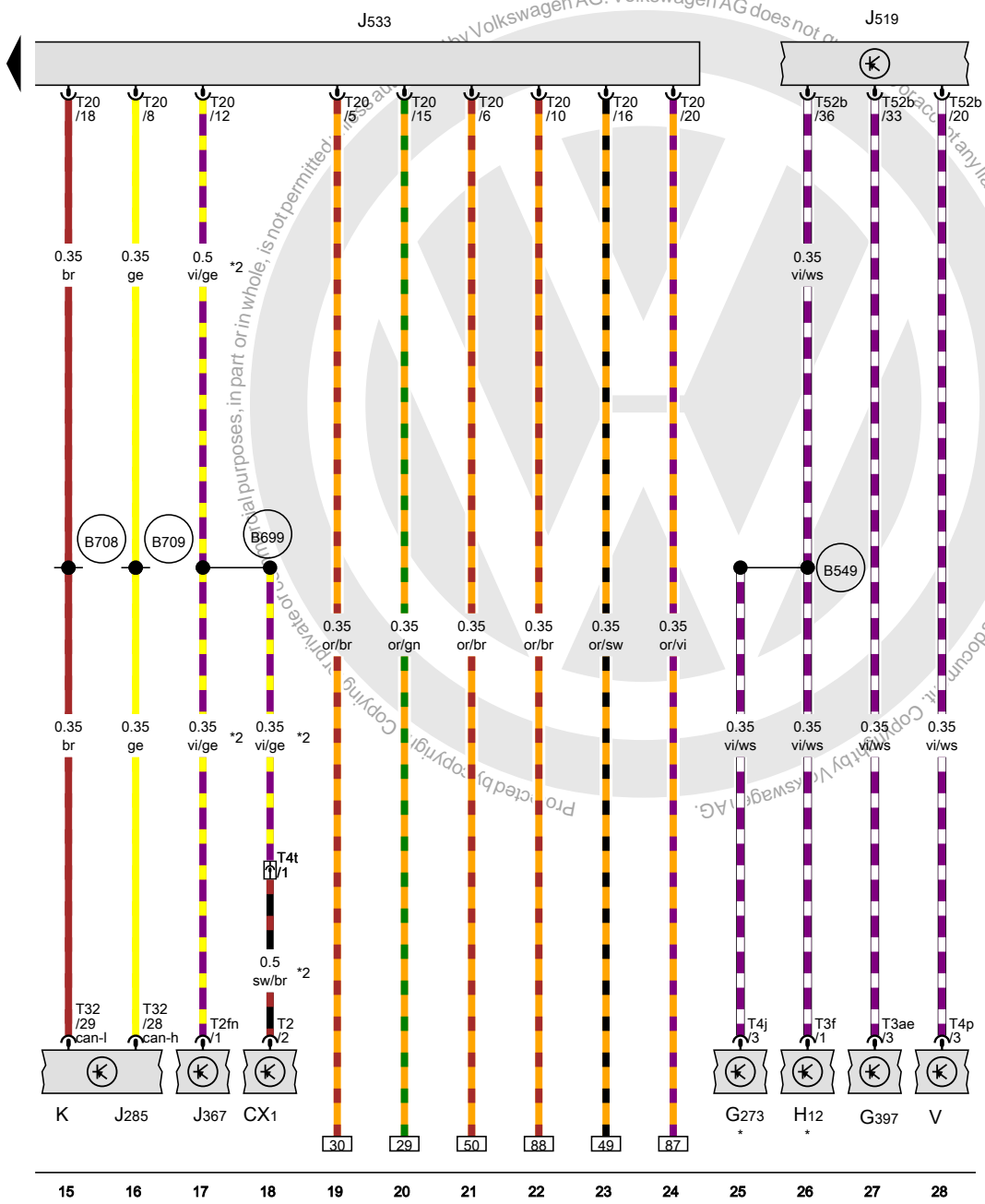
- J234 Airbag control unit
- J245 Sliding sunroof adjustment control unit
- J533 Data bus diagnostic interface
- J743 Mechatronic unit for dual clutch gearbox
- J895 Control unit for vehicle location system
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T10e 10-pin connector
- T16 16-pin connector
- T16os 16-pin connector
- T20 20-pin connector
- T20e 20-pin connector
- T25 25-pin connector
- T50 50-pin connector
- T75 75-pin connector
- T100 100-pin connector
- U31 Diagnostic connection

- 43 Earth point, lower part of right A-pillar
- 80 Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- * Only models with dual clutch gearbox 02E
- *2 Only models with dual clutch gearbox 0AM
- *3 see applicable current flow diagram for airbag

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-115020415



Data bus diagnostic interface, Connection 4 (LIN bus) in main wiring harness

- CX1 Alternator with voltage regulator
- G273 Interior monitoring sensor
- G397 Rain and light sensor
- H12 Alarm horn
- J285 Control unit in dash panel insert
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- T2 2-pin connector
- T2fn 2-pin connector
- T3ae 3-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T4p 4-pin connector
- T4t 4-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- V Windscreen wiper motor

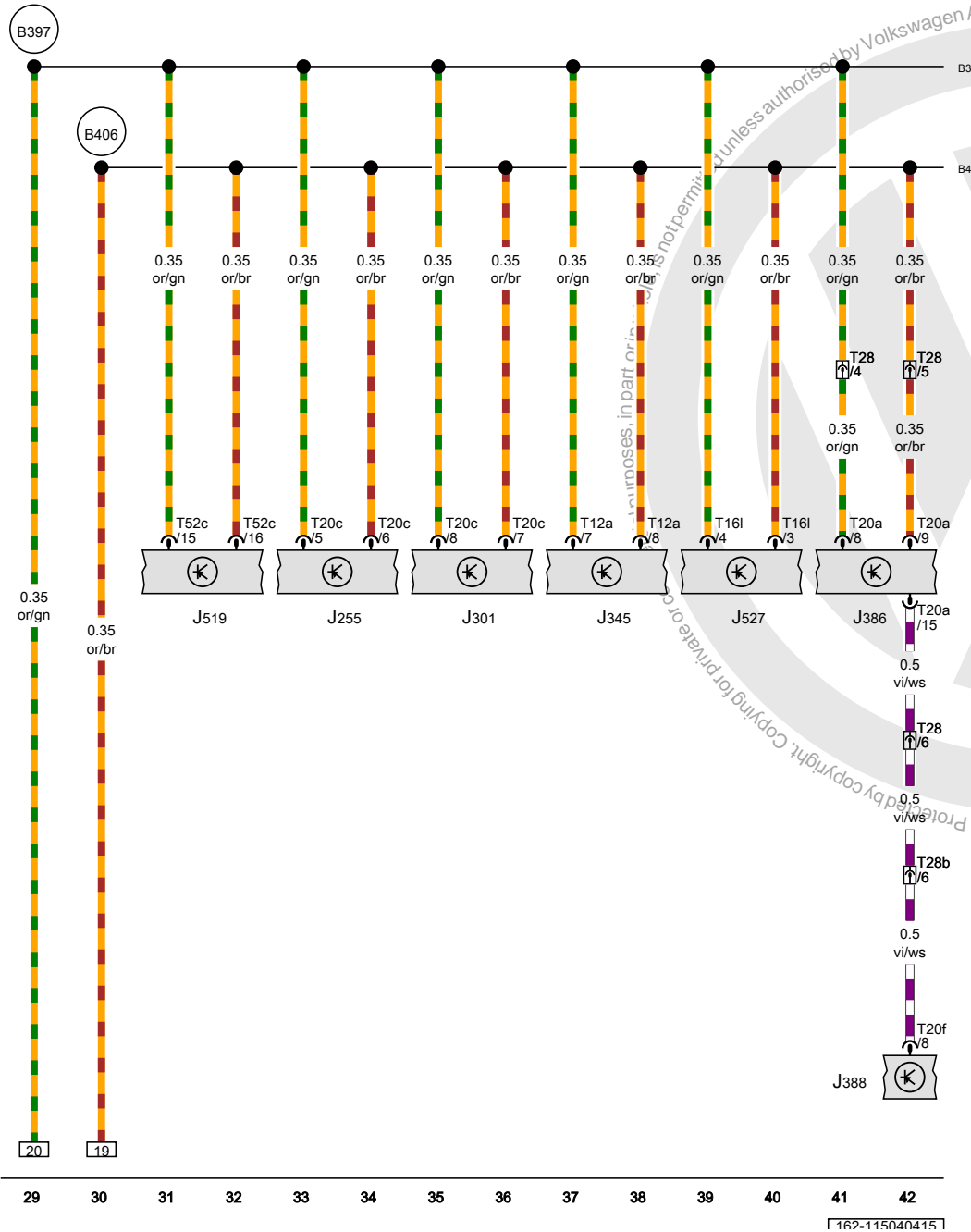
- (B549) Connection 2 (LIN bus) in main wiring harness
- (B699) Connection 4 (LIN bus) in main wiring harness
- (B708) Connection 1 (dash panel insert CAN bus high) in main wiring harness
- (B709) Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Not for American markets
- *2 Only models with start/stop system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

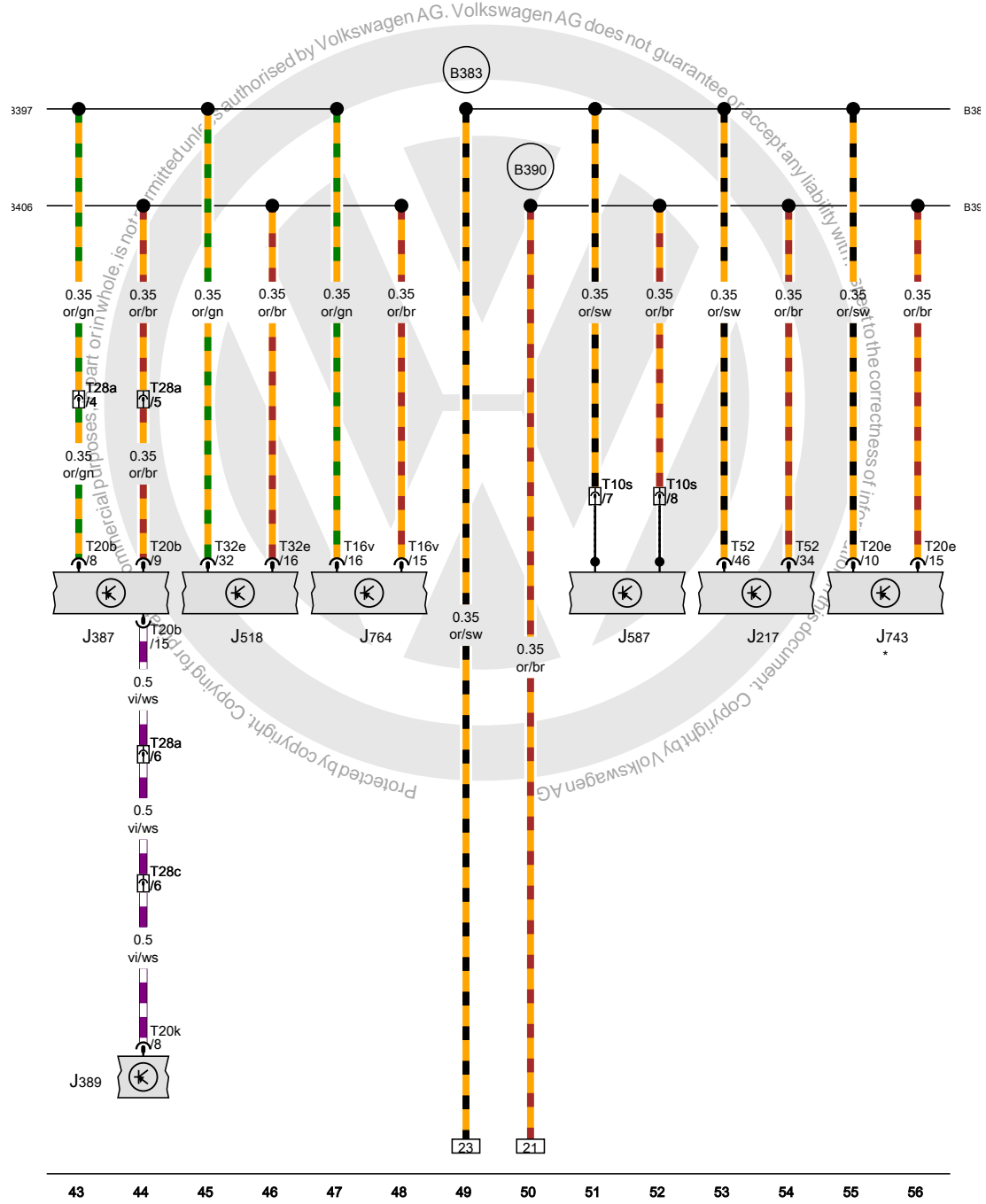
Connection 1 (convenience CAN bus, high), in main wiring harness, Connection 1 (convenience CAN bus, low), in main wiring harness

- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J345 Trailer detector control unit
- J386 Driver door control unit
- J388 Rear left door control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T12a 12-pin connector
- T16l 16-pin connector
- T20a 20-pin connector
- T20c 20-pin connector
- T20f 20-pin connector
- T28 28-pin connector
- T28b 28-pin connector
- T52c 52-pin connector

- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



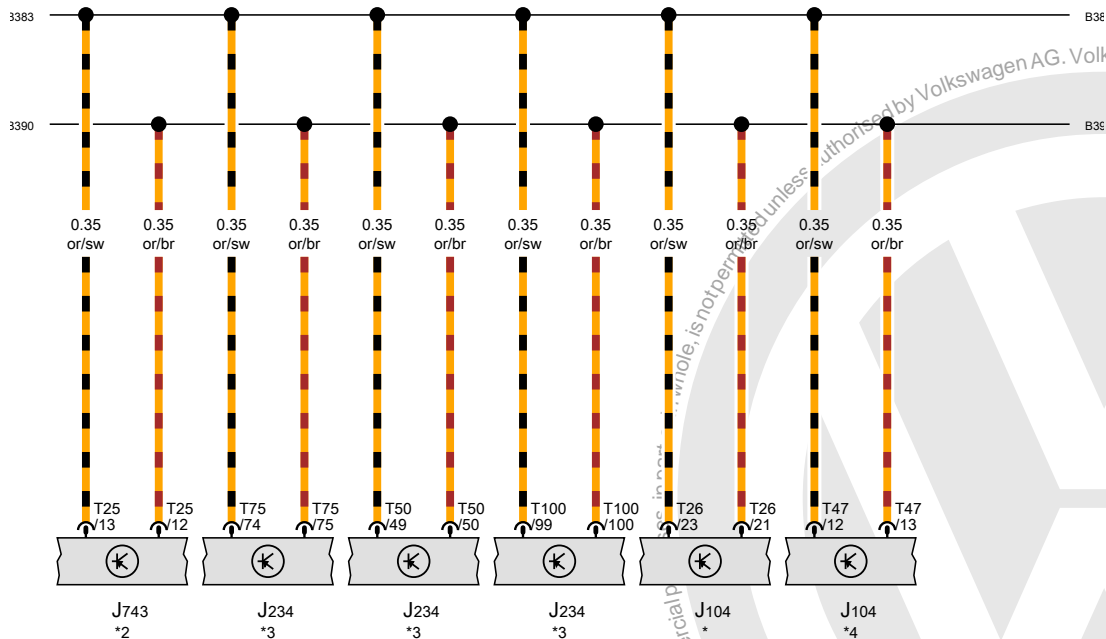
Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness, Connection 1 (convenience CAN bus, high), in main wiring harness, Connection 1 (convenience CAN bus, low), in main wiring harness

- J217 Automatic gearbox control unit
- J387 Front passenger door control unit
- J389 Rear right door control unit
- J518 Entry and start authorisation control unit
- J587 Selector lever sensors control unit
- J743 Mechatronic unit for dual clutch gearbox
- J764 Control unit for electronic steering column lock
- T10s 10-pin connector
- T16v 16-pin connector
- T20b 20-pin connector
- T20e 20-pin connector
- T20k 20-pin connector
- T28a 28-pin connector
- T28c 28-pin connector
- T32e 32-pin connector
- T52 52-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

* Only models with dual clutch gearbox 02E

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness

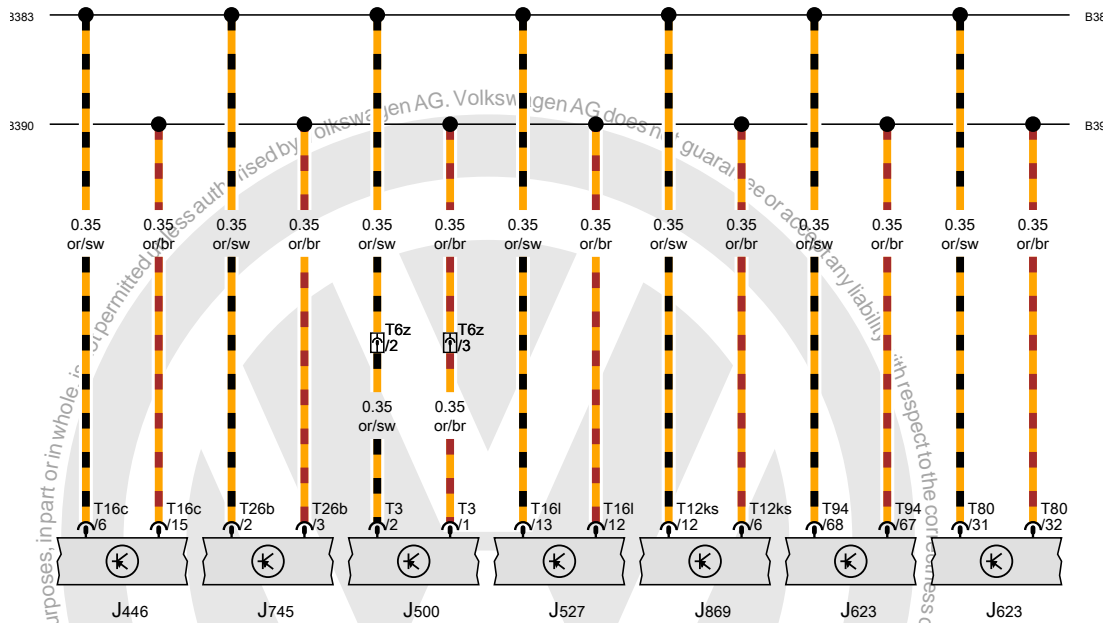
- J104 ABS control unit
- J234 Airbag control unit
- J743 Mechatronic unit for dual clutch gearbox
- T25 25-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T50 50-pin connector
- T75 75-pin connector
- T100 100-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with ABS and no ESP
- *2 Only models with dual clutch gearbox 0AM
- *3 see applicable current flow diagram for airbag
- *4 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness

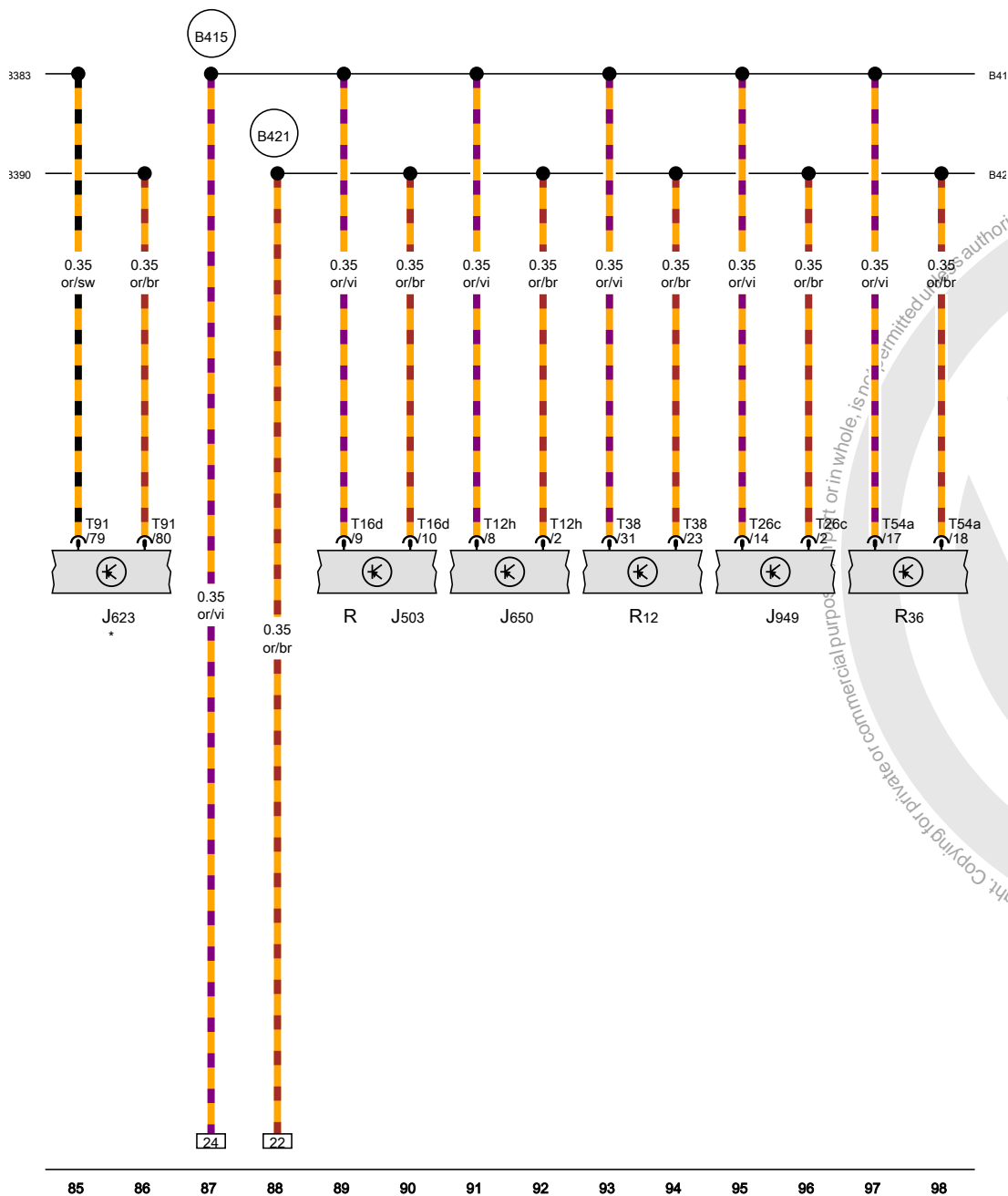
- J446 Parking aid control unit
- J500 Power steering control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- J745 Control unit for cornering light and headlight range control
- J869 Control unit for structure-borne sound
- T3 3-pin connector
- T6z 6-pin connector
- T12ks 12-pin connector
- T16c 16-pin connector
- T16l 16-pin connector
- T26b 26-pin connector
- T80 80-pin connector
- T94 94-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* see applicable current flow diagram for engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



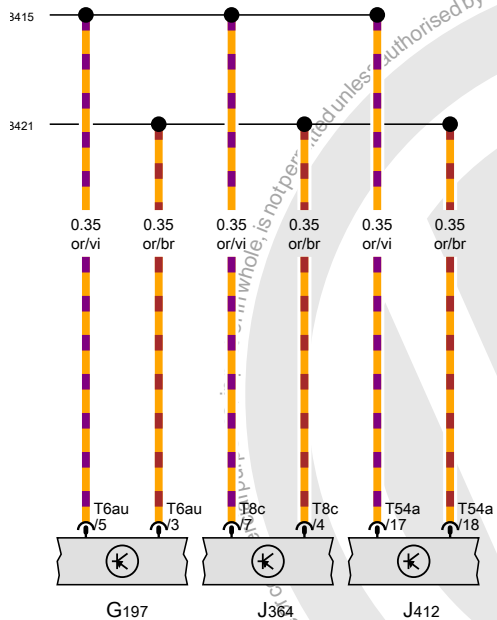
Connection 1 (powertrain CAN bus, high), in main wiring harness, Connection 1 (powertrain CAN bus, low), in main wiring harness, Connection 1 (infotainment CAN bus, high), in main wiring harness, Connection 1 (infotainment CAN bus, low), in main wiring harness

- J503 Control unit with display for radio and navigation
- J623 Engine control unit
- J650 Multimedia system control unit
- J949 Emergency call module control unit and communication unit
- R Radio
- R12 Amplifier
- R36 Telephone transmitter and receiver unit
- T12h 12-pin connector
- T16d 16-pin connector
- T26c 26-pin connector
- T38 38-pin connector
- T54a 54-pin connector
- T91 91-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (B415) Connection 1 (infotainment CAN bus, high), in main wiring harness
- (B421) Connection 1 (infotainment CAN bus, low), in main wiring harness

* see applicable current flow diagram for engine

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Connection 1 (infotainment CAN bus, high), in main wiring harness, Connection 1 (infotainment CAN bus, low), in main wiring harness

- G197 Magnetic field sender for compass
- J364 Auxiliary heater control unit
- J412 Mobile telephone operating electronics control unit
- T6au 6-pin connector
- T8c 8-pin connector
- T54a 54-pin connector

- B415 Connection 1 (infotainment CAN bus, high), in main wiring harness
- B421 Connection 1 (infotainment CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Airbag systems , (B36)

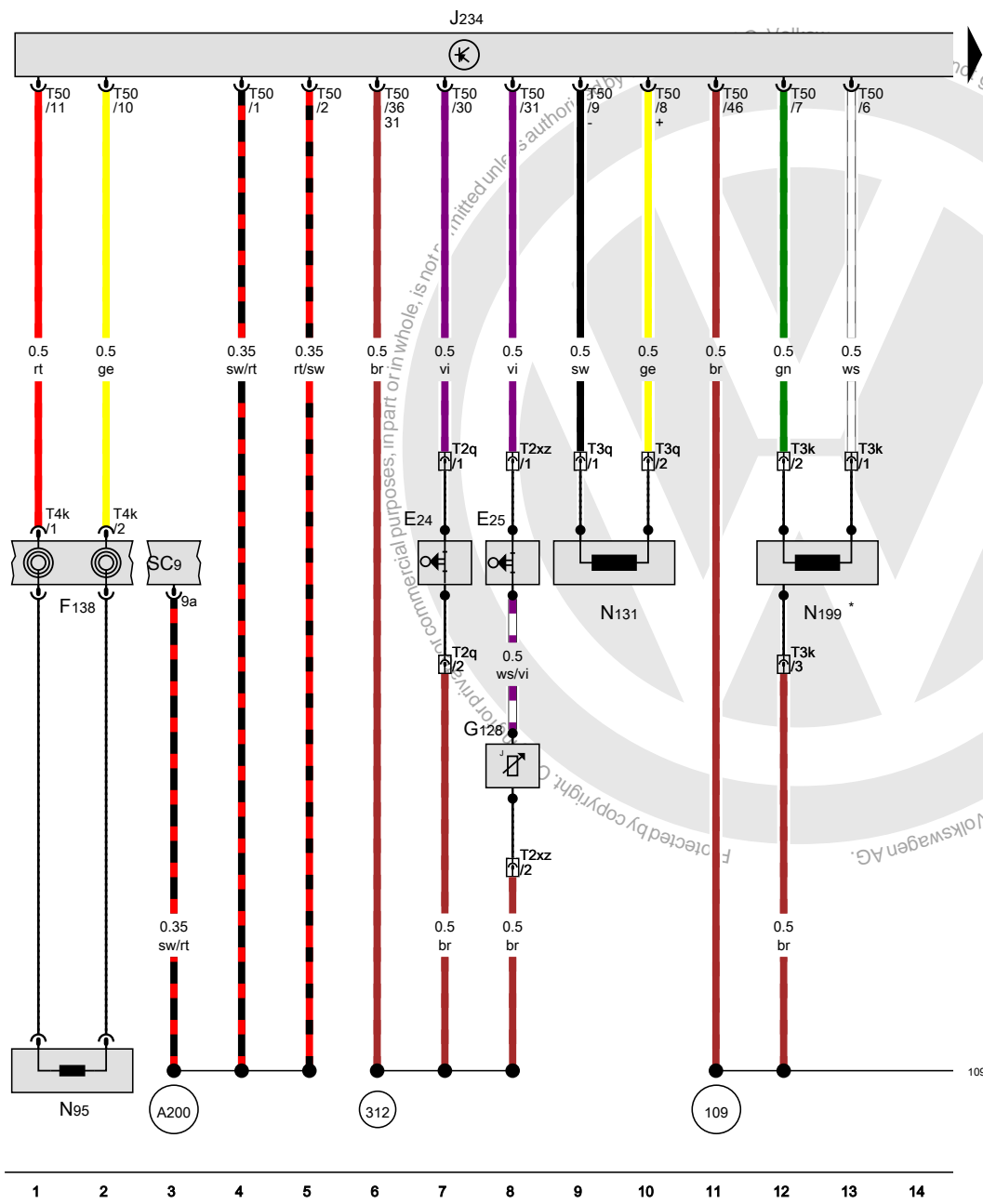
From April 2010



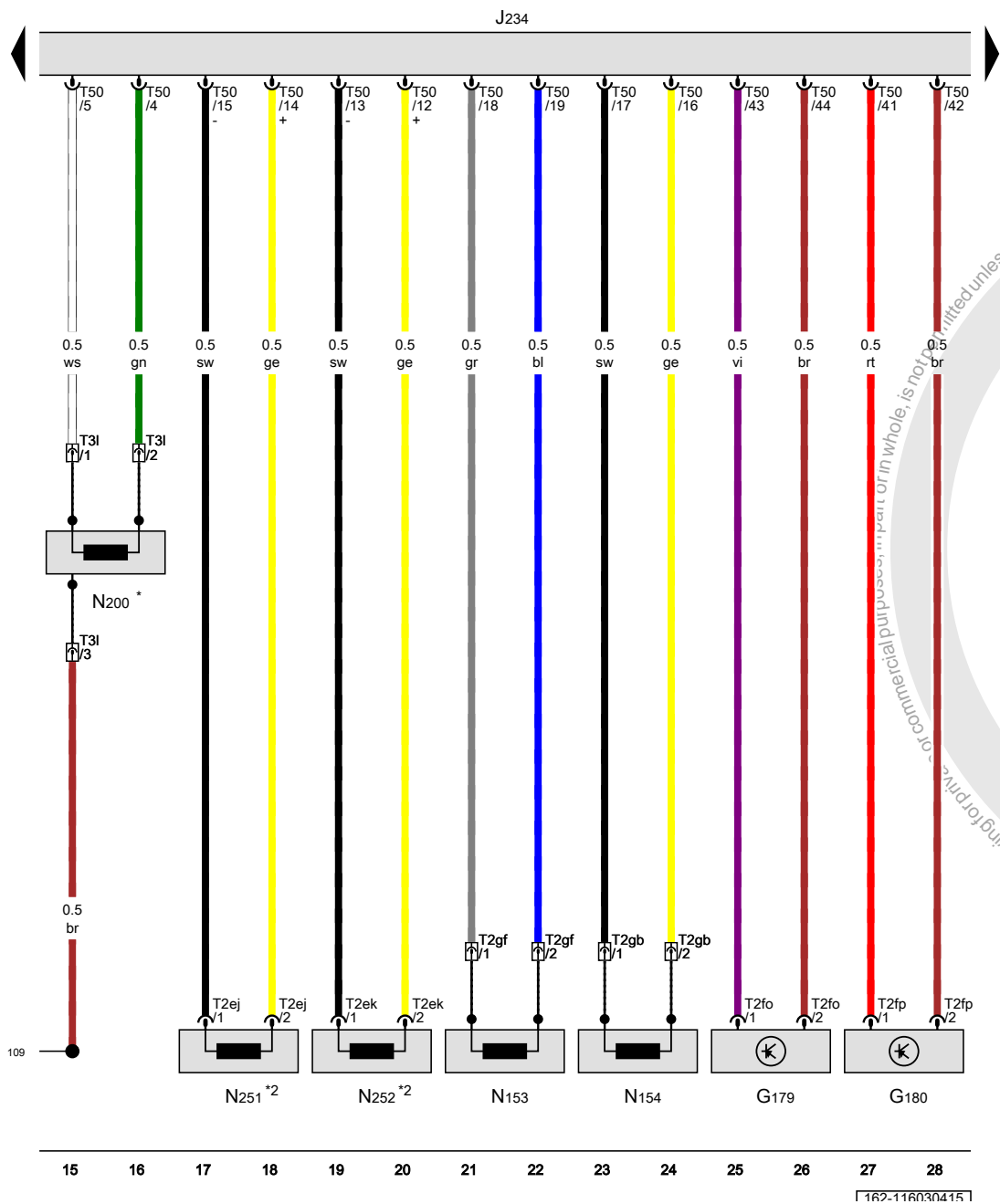
Driver side belt switch, Front passenger side belt switch, Airbag control unit, Driver side airbag igniter, Front passenger side airbag igniter 1, Side airbag igniter on driver side

- E24 Driver side belt switch
- E25 Front passenger side belt switch
- F138 Airbag coil connector and return ring with slip ring
- G128 Seat occupied sensor, front passenger side
- J234 Airbag control unit
- N95 Driver side airbag igniter
- N131 Front passenger side airbag igniter 1
- N199 Side airbag igniter on driver side
- SC9 Fuse 9 on fuse holder C
- T2q 2-pin connector
- T2xz 2-pin connector
- T3k 3-pin connector
- T3q 3-pin connector
- T4k 4-pin connector
- T50 50-pin connector

- 109 Earth connection, in airbag wiring harness
- 312 Earth connection 2, in airbag wiring harness
- A200 Positive connection 5 (15a) in dash panel wiring harness
- * Only models with side airbags



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

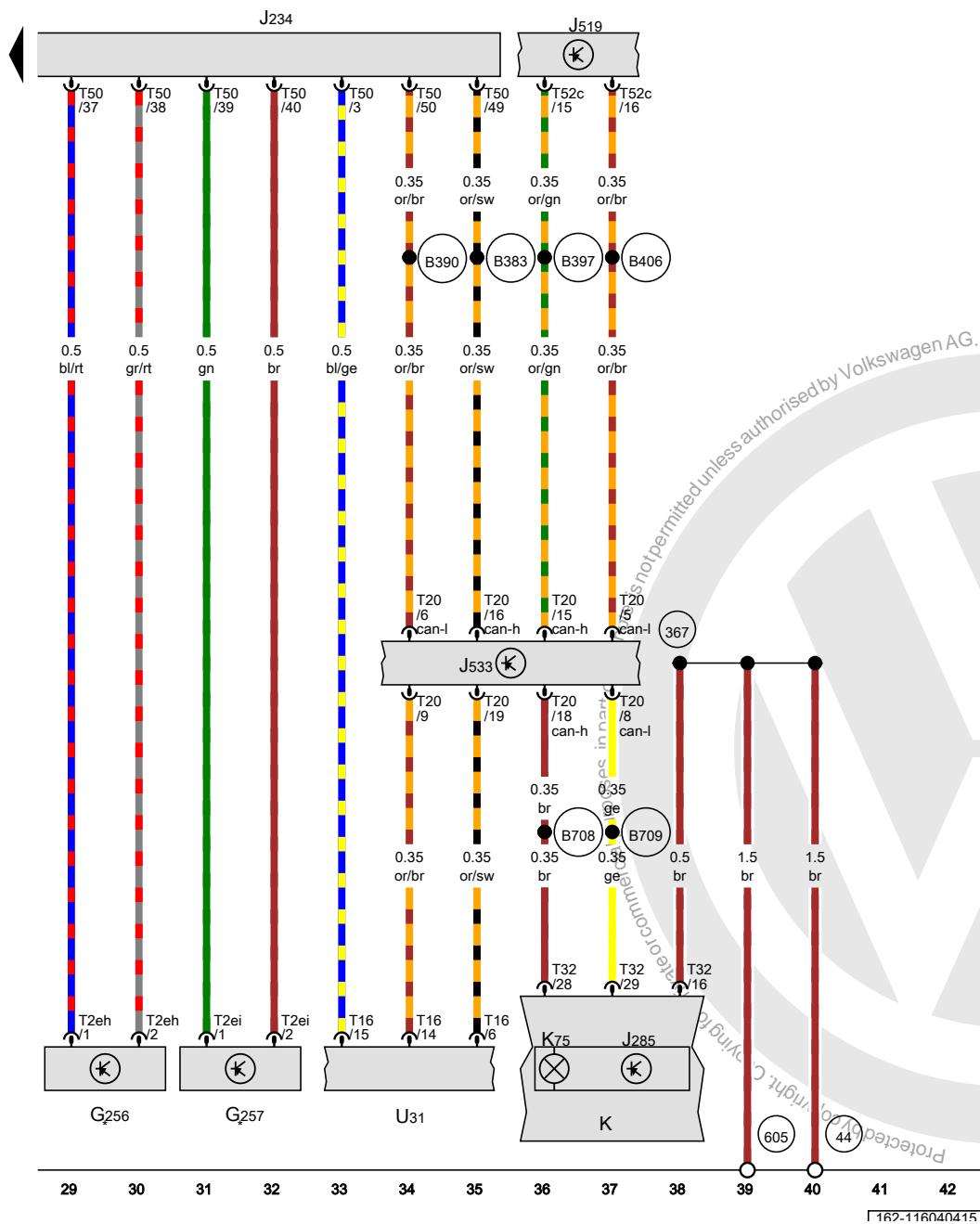


Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Side airbag igniter on front passenger side, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N200 Side airbag igniter on front passenger side
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ej 2-pin connector
- T2ek 2-pin connector
- T2fo 2-pin connector
- T2fp 2-pin connector
- T2gb 2-pin connector
- T2gf 2-pin connector
- T31 3-pin connector
- T50 50-pin connector

- 109 Earth connection, in airbag wiring harness
- * Only models with side airbags
- *2 Only models with curtain/head airbag

- ws = white
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Airbag control unit, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Dash panel insert

- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on front passenger side
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K Dash panel insert
- K75 Airbag warning lamp
- T2eh 2-pin connector
- T2ei 2-pin connector
- T16 16-pin connector
- T20 20-pin connector
- T32 32-pin connector
- T50 50-pin connector
- T52c 52-pin connector
- U31 Diagnostic connection

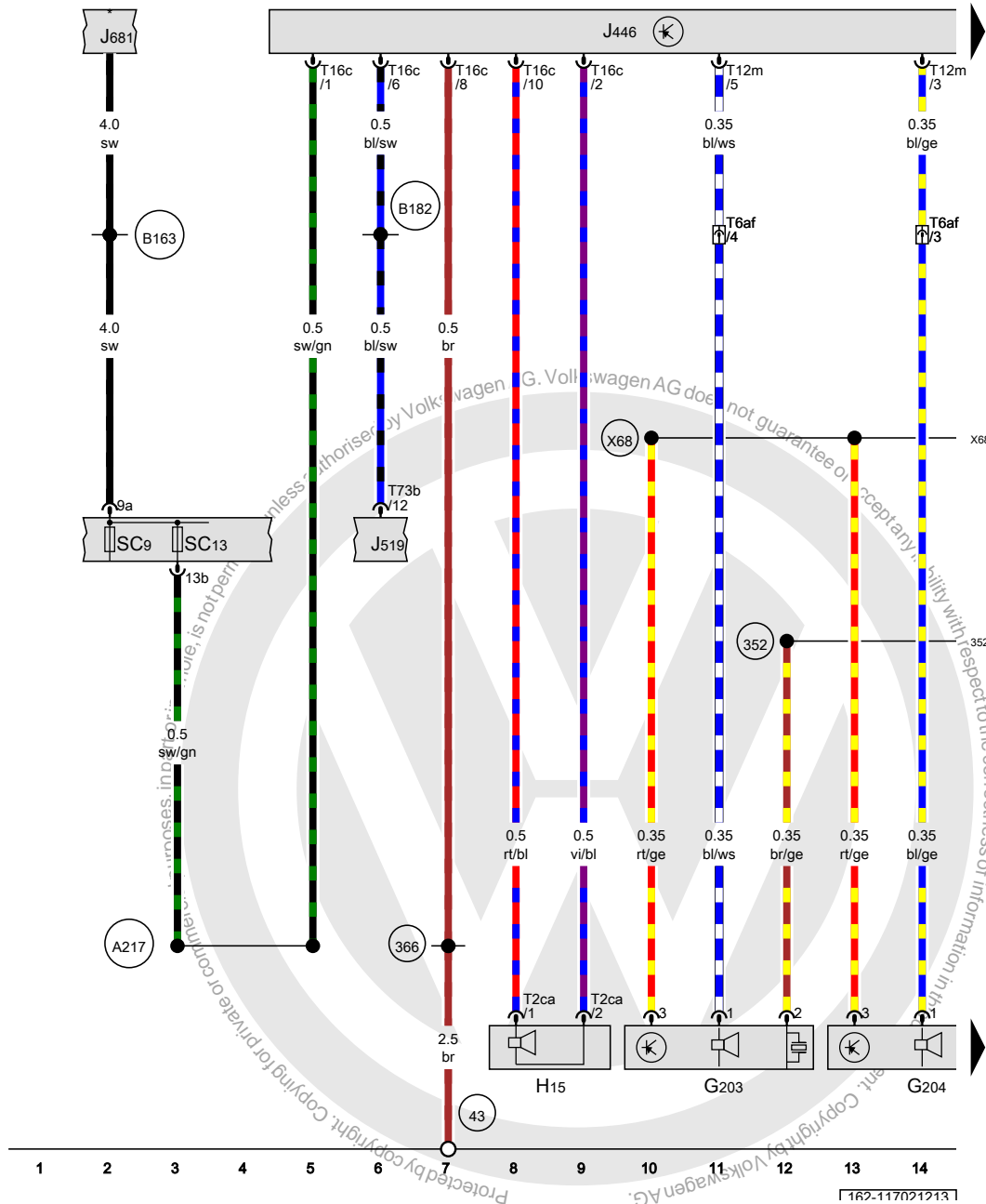
- 44 Earth point, lower part of left A-pillar
- 367 Earth connection 2, in main wiring harness
- 605 Earth point, on top end of steering column
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear parking aid (PDC) , (B36)

From April 2010





Rear left parking aid sender, Rear centre left parking aid sender, Rear parking aid warning buzzer, Parking aid control unit, Onboard supply control unit, Terminal 15 voltage supply relay 2

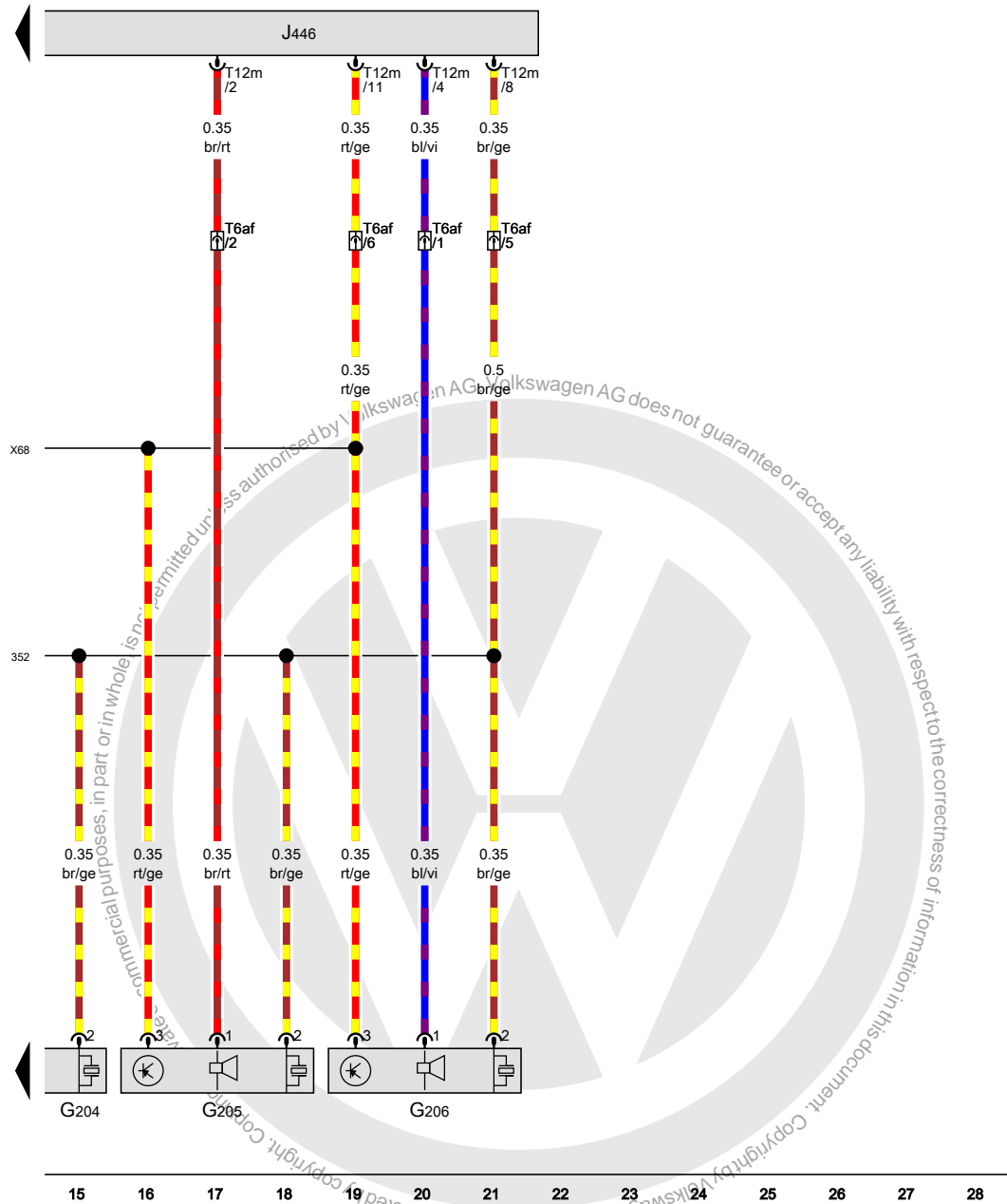
- G203 Rear left parking aid sender
- G204 Rear centre left parking aid sender
- H15 Rear parking aid warning buzzer
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- SC9 Fuse 9 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- T2ca 2-pin connector
- T6af 6-pin connector
- T12m 12-pin connector
- T16c 16-pin connector
- T73b 73-pin connector

- 43 Earth point, lower part of right A-pillar
- 352 Earth connection (parking aid), in rear bumper wiring harness
- 366 Earth connection 1, in main wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B182 Connection (RL), in interior wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness

* see applicable current flow diagram for basic equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit



- G204 Rear centre left parking aid sender
- G205 Rear centre right parking aid sender
- G206 Rear right parking aid sender
- J446 Parking aid control unit
- T6af 6-pin connector
- T12m 12-pin connector

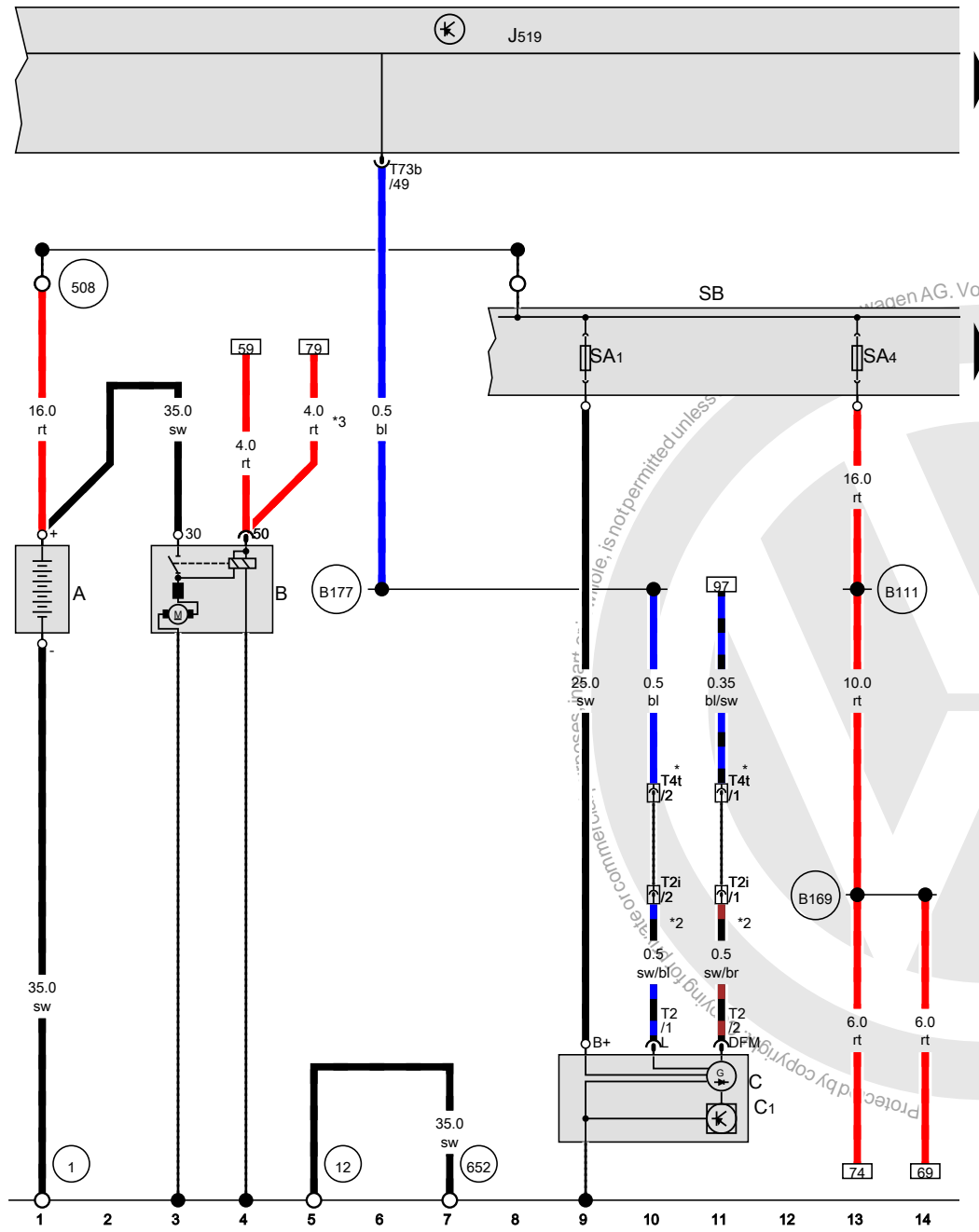
- 352 Earth connection (parking aid), in rear bumper wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.8l petrol engine , CPRA,(0GT)

From June 2013





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 According to equipment

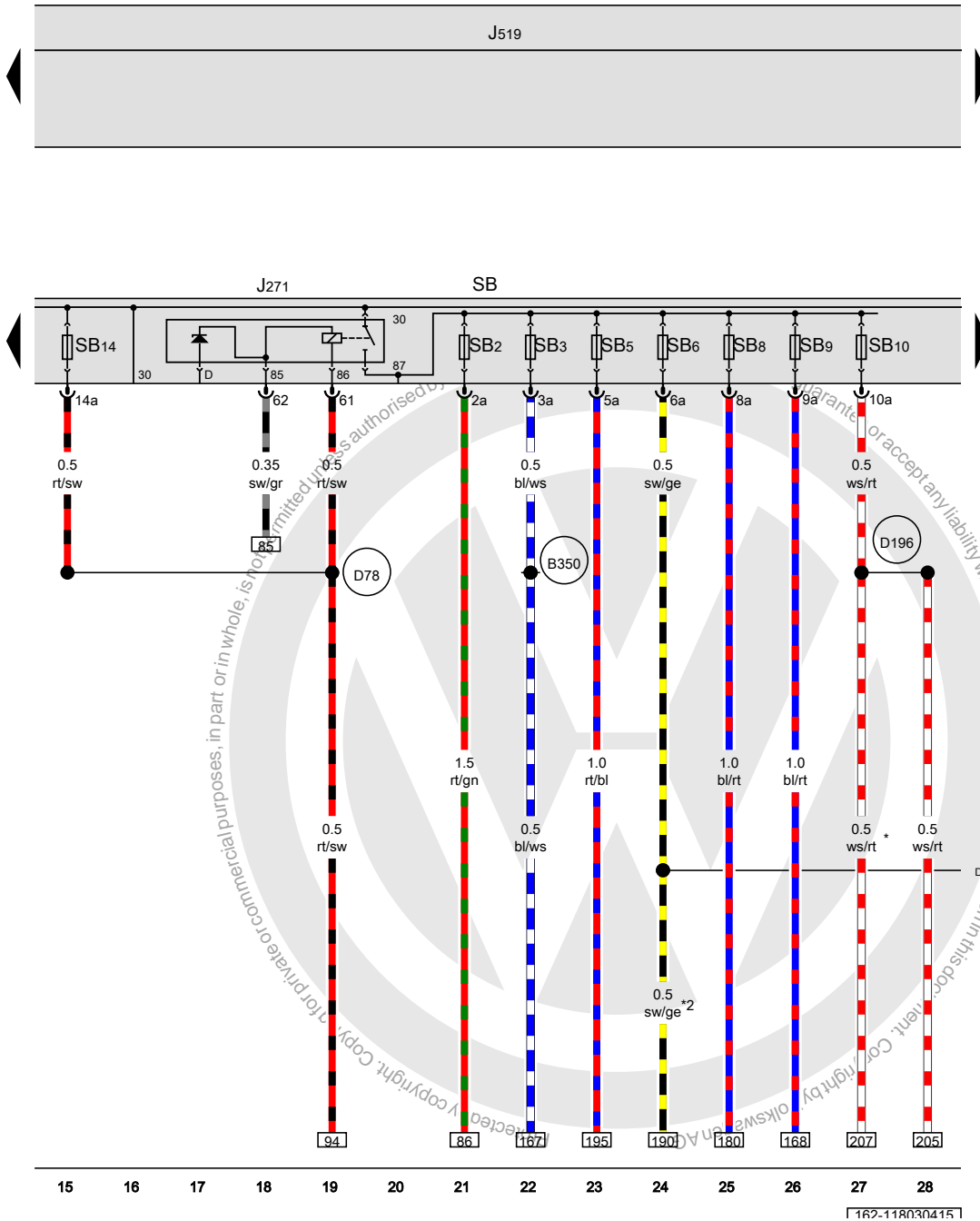
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-118020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB14 Fuse 14 on fuse holder B

- (B350) Positive connection 1 (87a) in main wiring harness
- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness
- * Only models with manual gearbox
- *2 According to equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-118030415

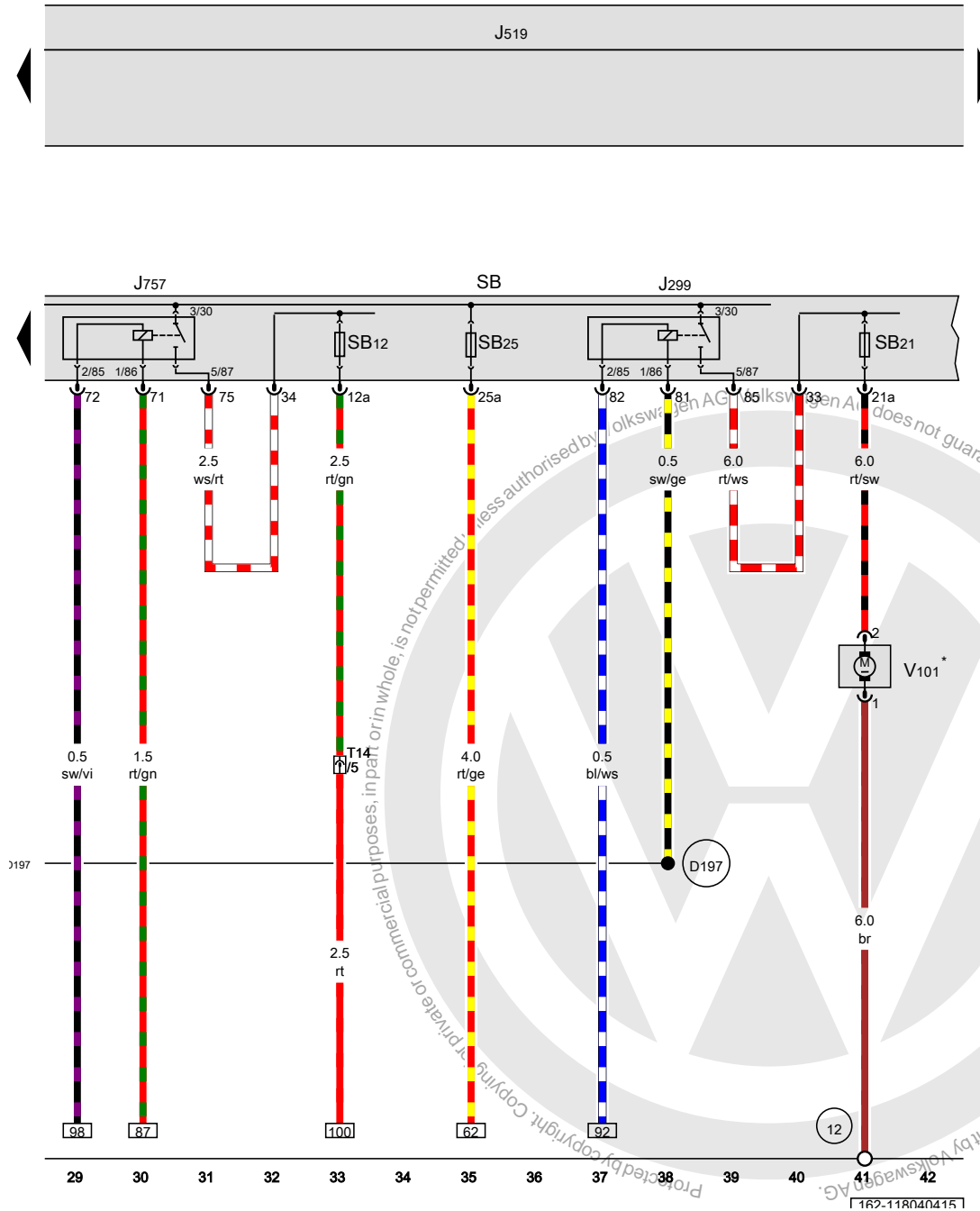
Secondary air pump relay, Onboard supply control unit, Engine component current supply relay, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector
- V101 Secondary air pump motor

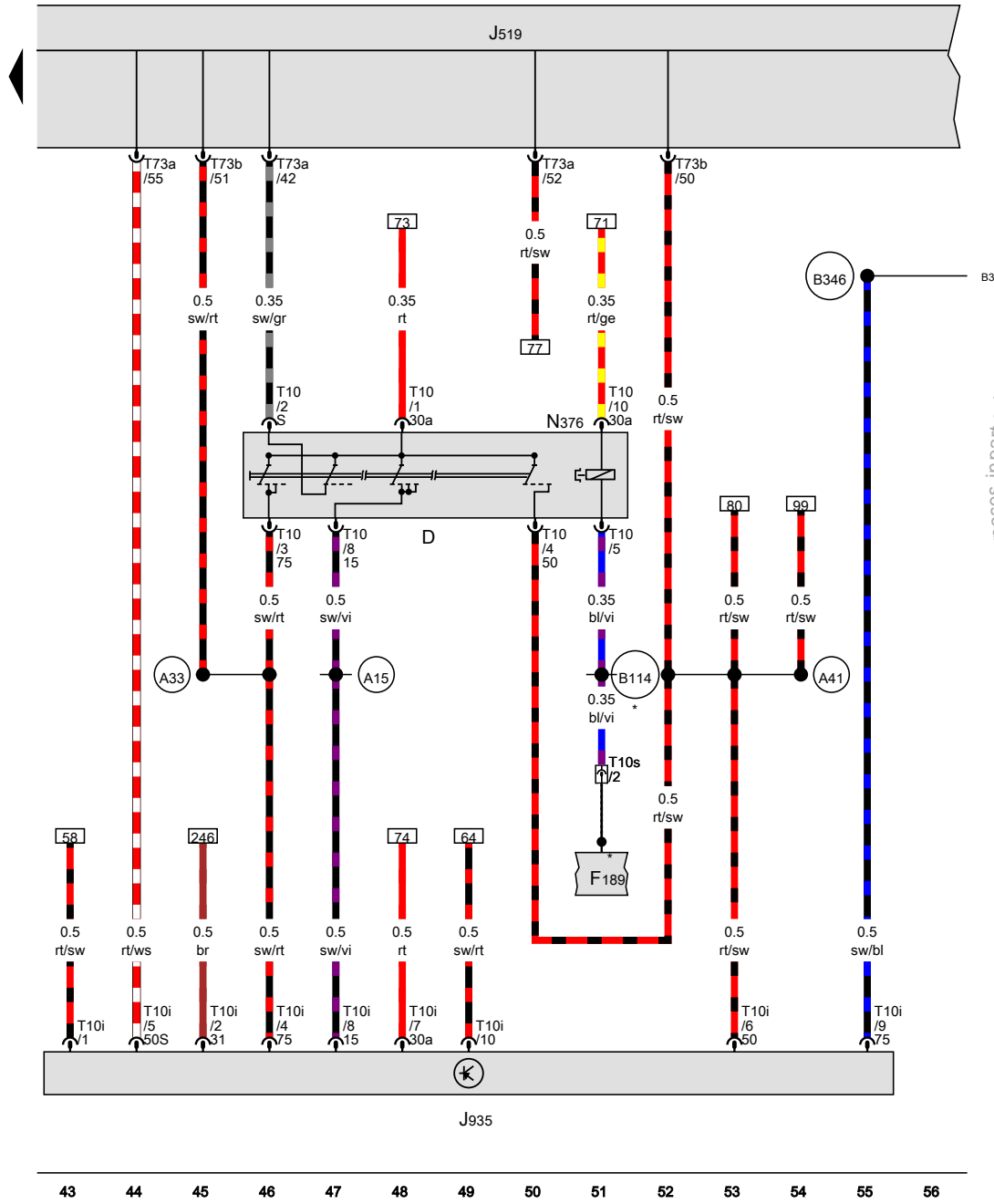
12 Earth point, on left in engine compartment

D197 Connection 5 (87a) in engine compartment wiring harness

* Only for American markets

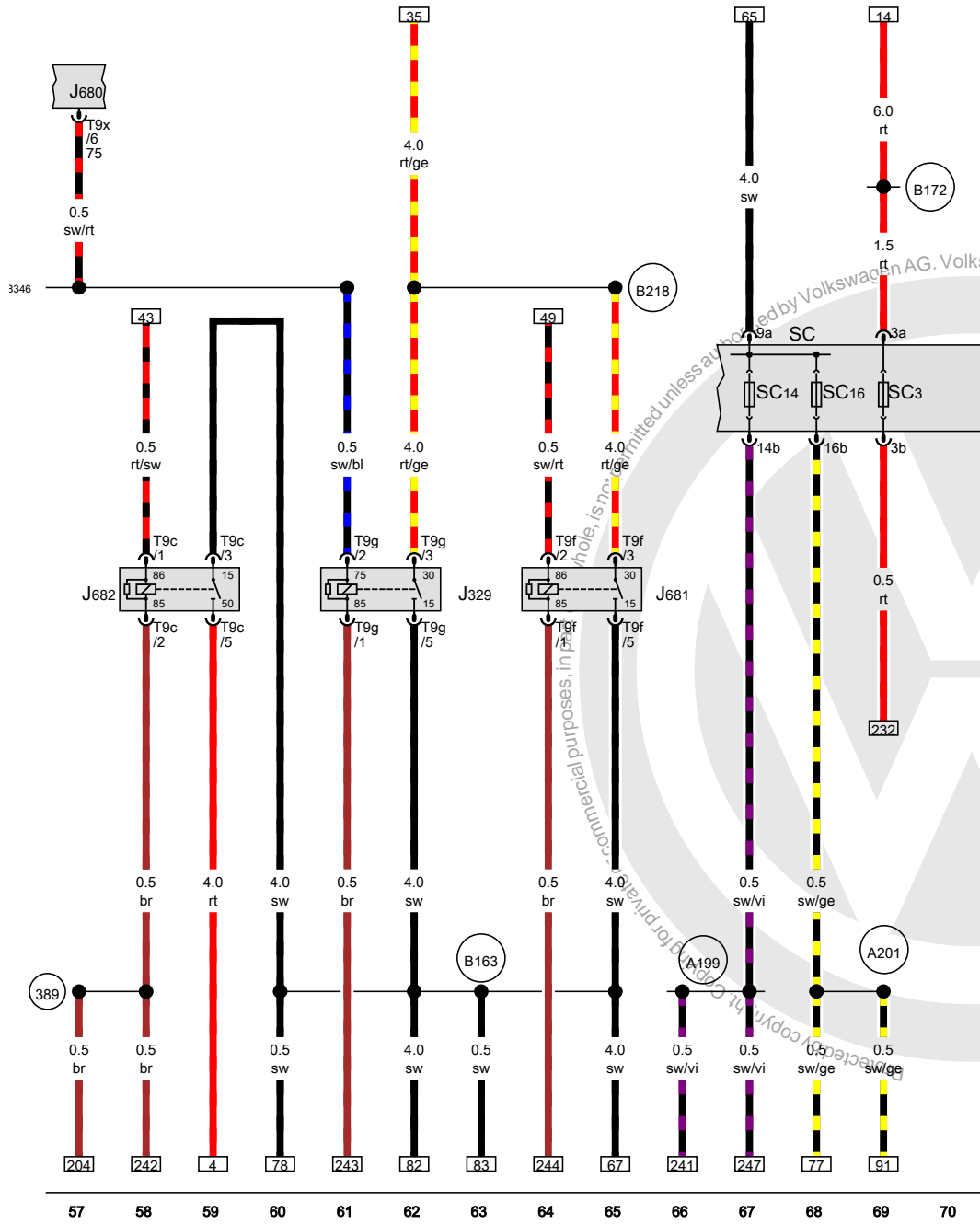


Ignition/starter switch, Onboard supply control unit, Converter box



- D Ignition/starter switch
 - F189 Tiptronic switch
 - J519 Onboard supply control unit
 - J935 Converter box
 - N376 Ignition key withdrawal lock solenoid
 - T10 10-pin connector
 - T10i 10-pin connector
 - T10s 10-pin connector
 - T73a 73-pin connector
 - T73b 73-pin connector
- (A15) Positive connection (15), in instrument wiring harness
 - (A33) Connection (75), in dash panel wiring harness
 - (A41) Positive connection (50), in dash panel wiring harness
 - (B114) Connection (inhibitor switch), in interior wiring harness
 - (B346) Connection 1 (75), in main wiring harness
 - * Only models with automatic gearbox

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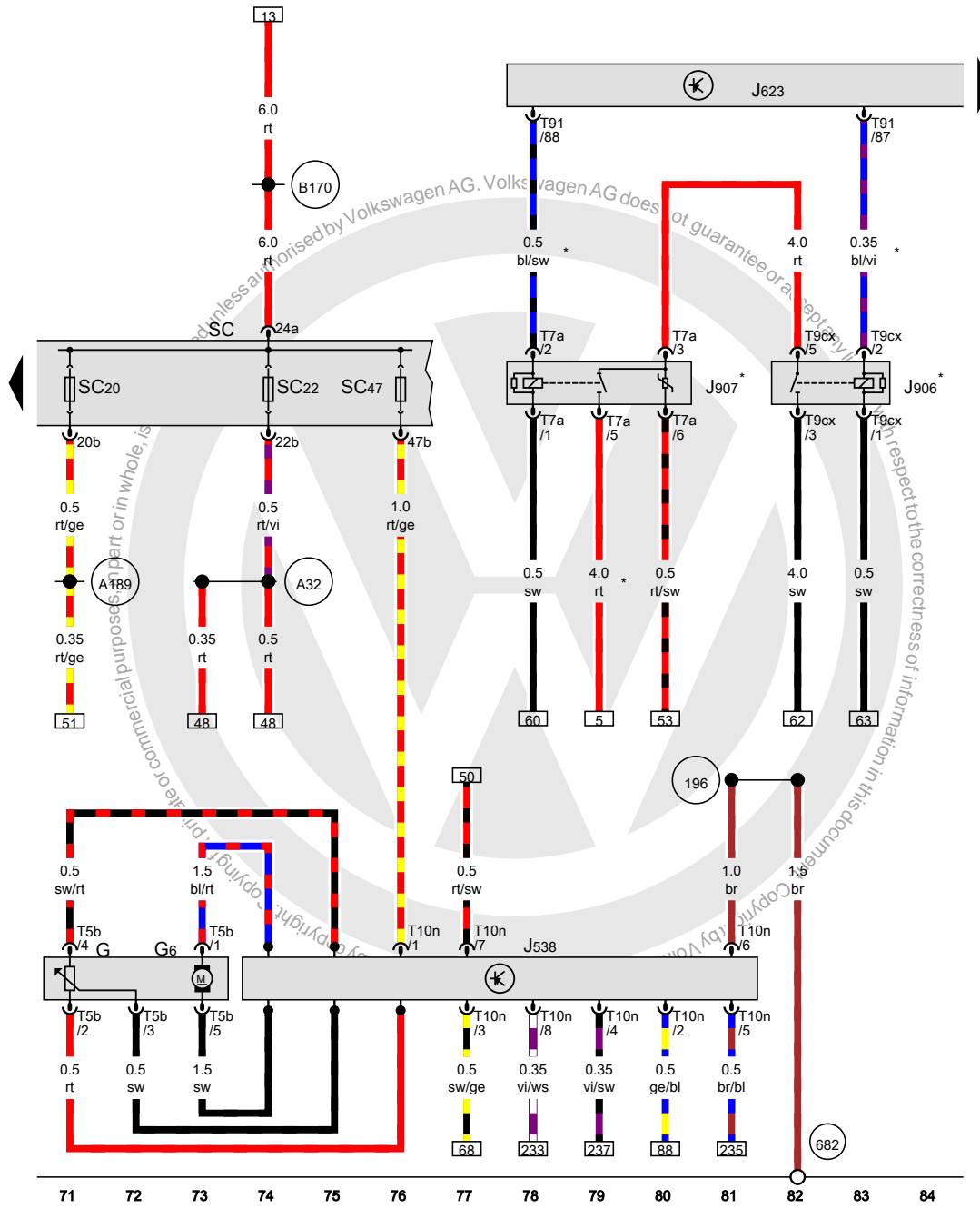


Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector

- (389) Earth connection 24, in main wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B172) Positive connection 4 (30), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Fuel gauge sender, Fuel system pressurisation pump, Engine control unit, Fuse holder C

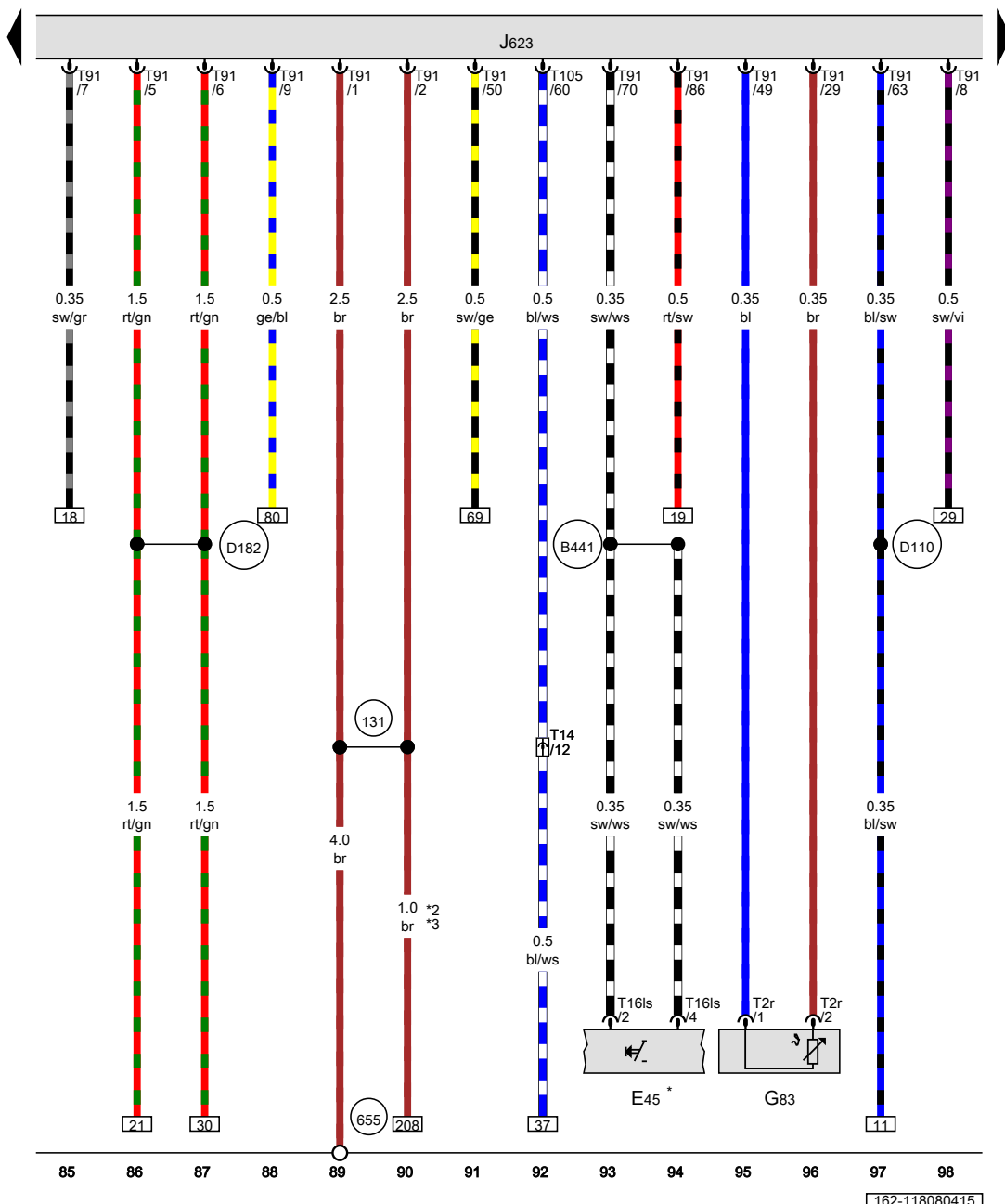
- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2
- SC Fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5b 5-pin connector
- T7a 7-pin connector
- T9cx 9-pin connector
- T10n 10-pin connector
- T91 91-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B170 Positive connection 2 (30), in interior wiring harness

* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

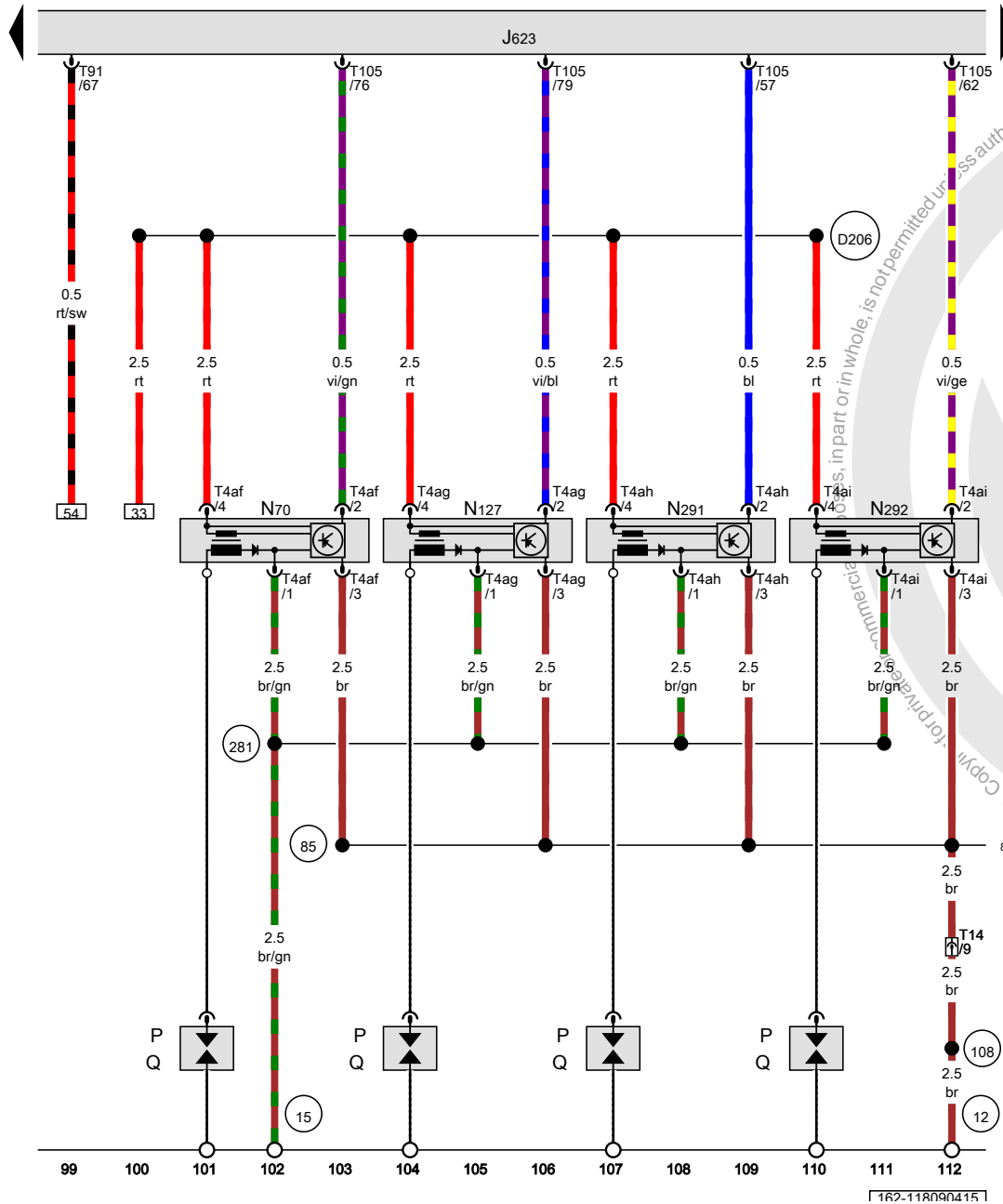
Radiator outlet coolant temperature sender, Engine control unit



- E45 Cruise control system switch
- G83 Radiator outlet coolant temperature sender
- J623 Engine control unit
- T2r 2-pin connector
- T14 14-pin connector
- T16ls 16-pin connector
- T91 91-pin connector
- T105 105-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with cruise control system (CCS)
- *2 Only models with manual gearbox
- *3 Only for American markets

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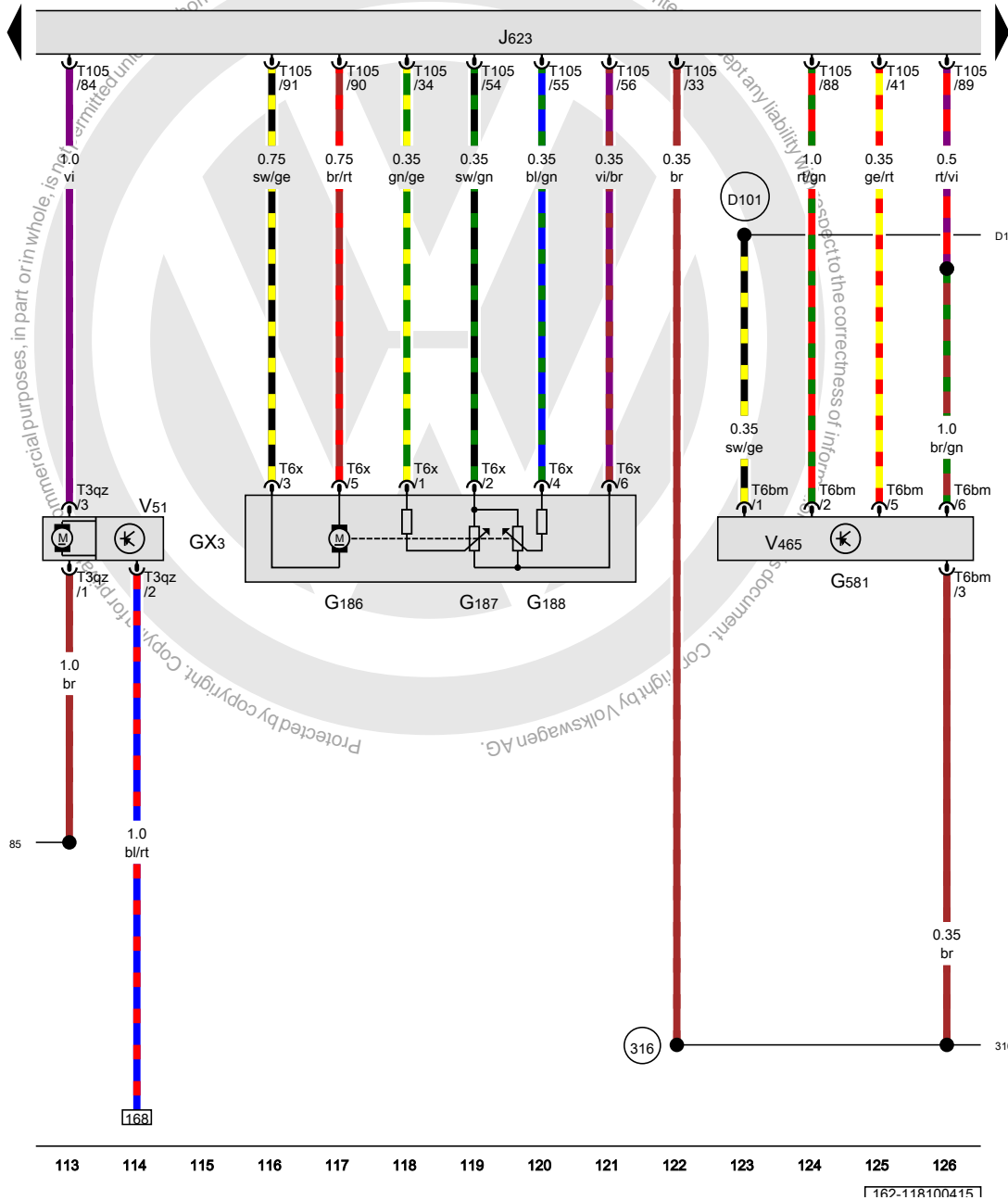
Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

- ws = white
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162-118090415

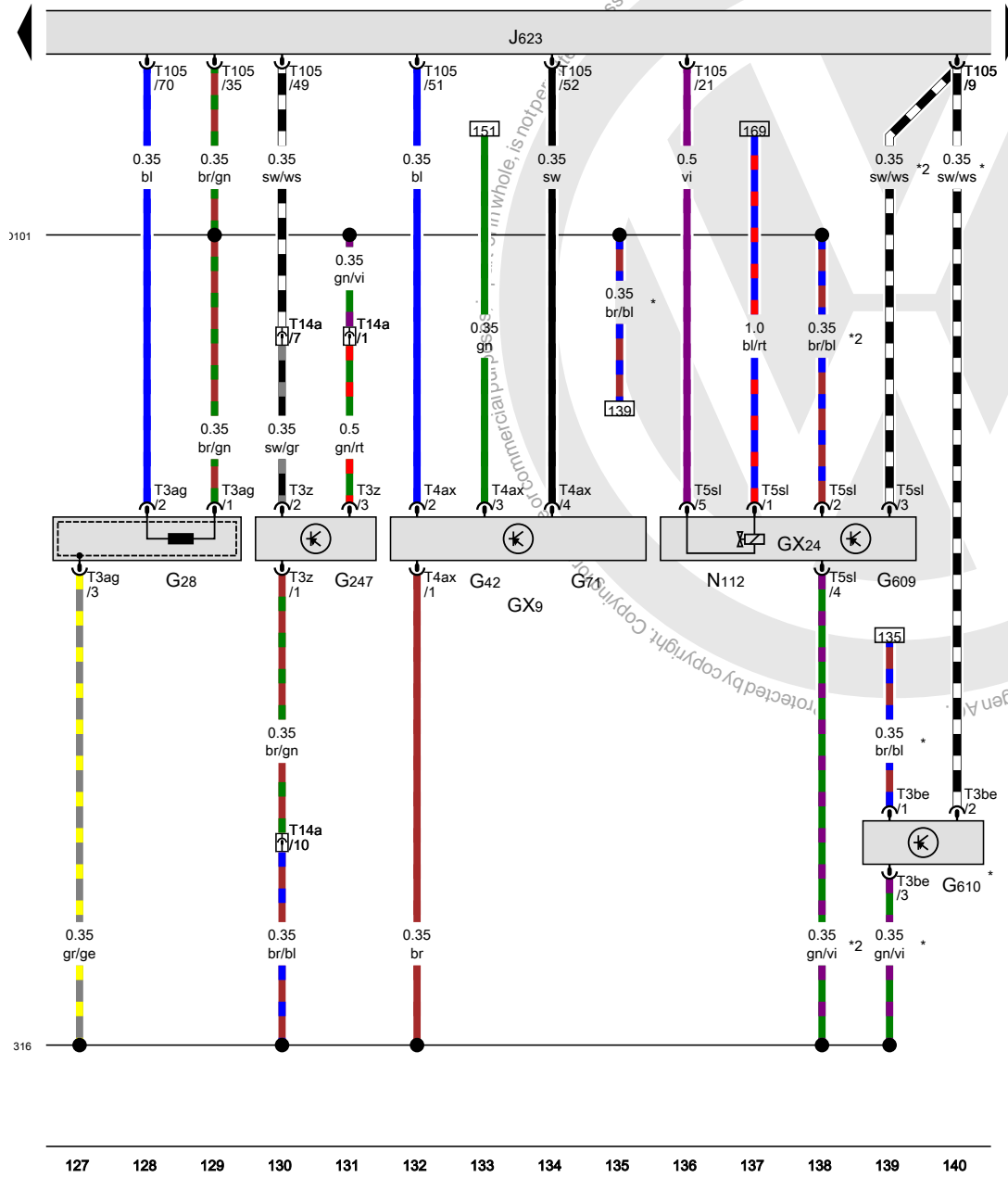


Throttle valve module, Throttle valve drive for electric throttle, Position sender for charge pressure positioner, Engine control unit, Continued coolant circulation pump

- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3qz 3-pin connector
- T6bm 6-pin connector
- T6x 6-pin connector
- T105 105-pin connector
- V51 Continued coolant circulation pump
- V465 Charge pressure positioner

- (85) Earth connection 1, in engine compartment wiring harness
- (316) Earth connection (sender earth 2) in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

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Intake manifold sender, Secondary air system, Engine speed sender, Fuel pressure sender, Engine control unit, Secondary air inlet valve

- GX9 Intake manifold sender
- GX24 Secondary air system
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G609 Sender 1 for secondary air pressure
- G610 Sender 2 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T3ag 3-pin connector
- T3be 3-pin connector
- T3z 3-pin connector
- T4ax 4-pin connector
- T5sl 5-pin connector
- T14a 14-pin connector
- T105 105-pin connector

316 Earth connection (sender earth 2) in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

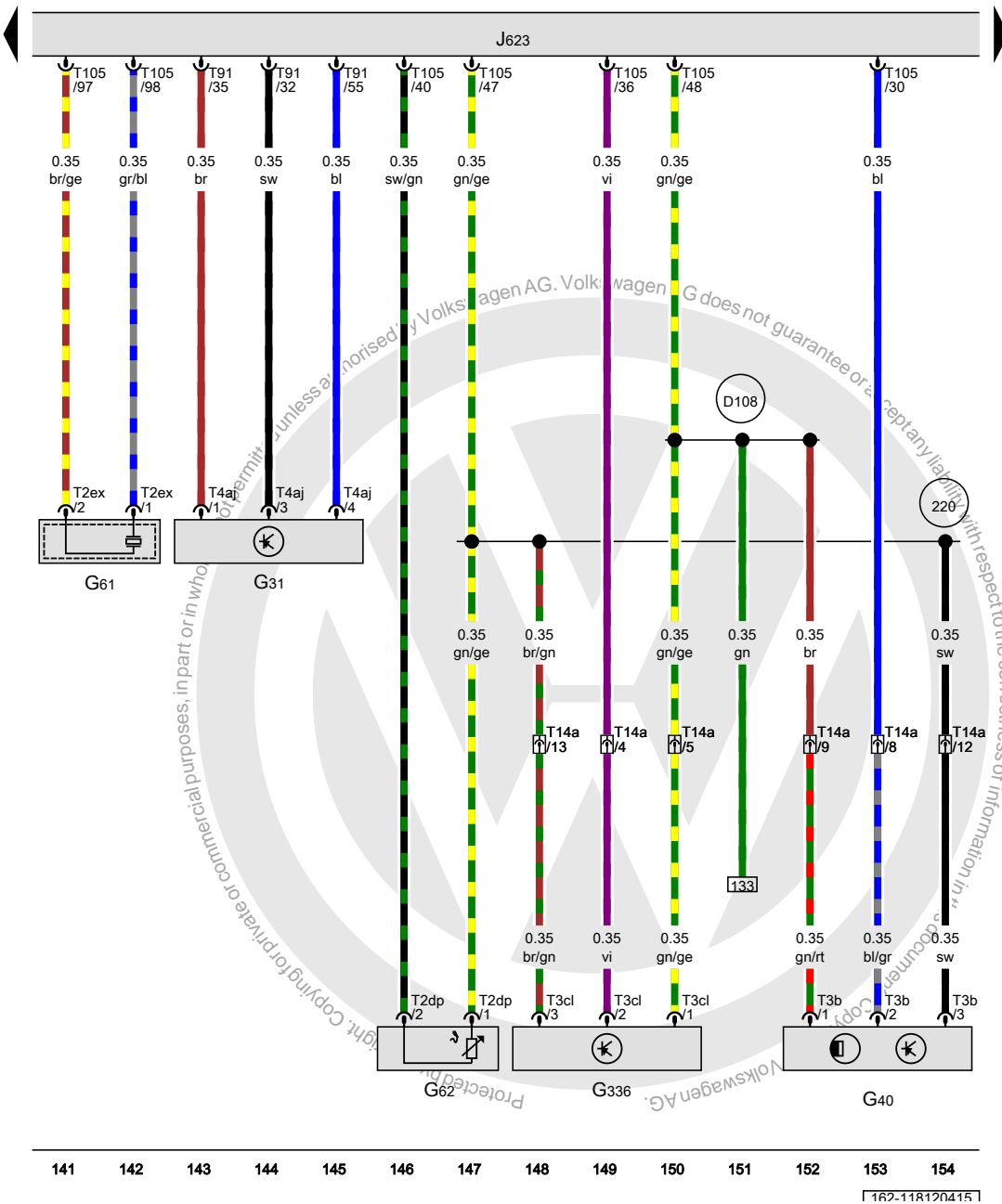
* From September 2013
 *2 Up to September 2013

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- gr = grey
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Charge pressure sender, Hall sender, Knock sensor 1, Coolant temperature sender, Engine control unit

- G31 Charge pressure sender
- G40 Hall sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- G336 Intake manifold flap potentiometer
- J623 Engine control unit
- T2dp 2-pin connector
- T2ex 2-pin connector
- T3b 3-pin connector
- T3cl 3-pin connector
- T4aj 4-pin connector
- T14a 14-pin connector
- T91 91-pin connector
- T105 105-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D108 Connection 6 in engine compartment wiring harness

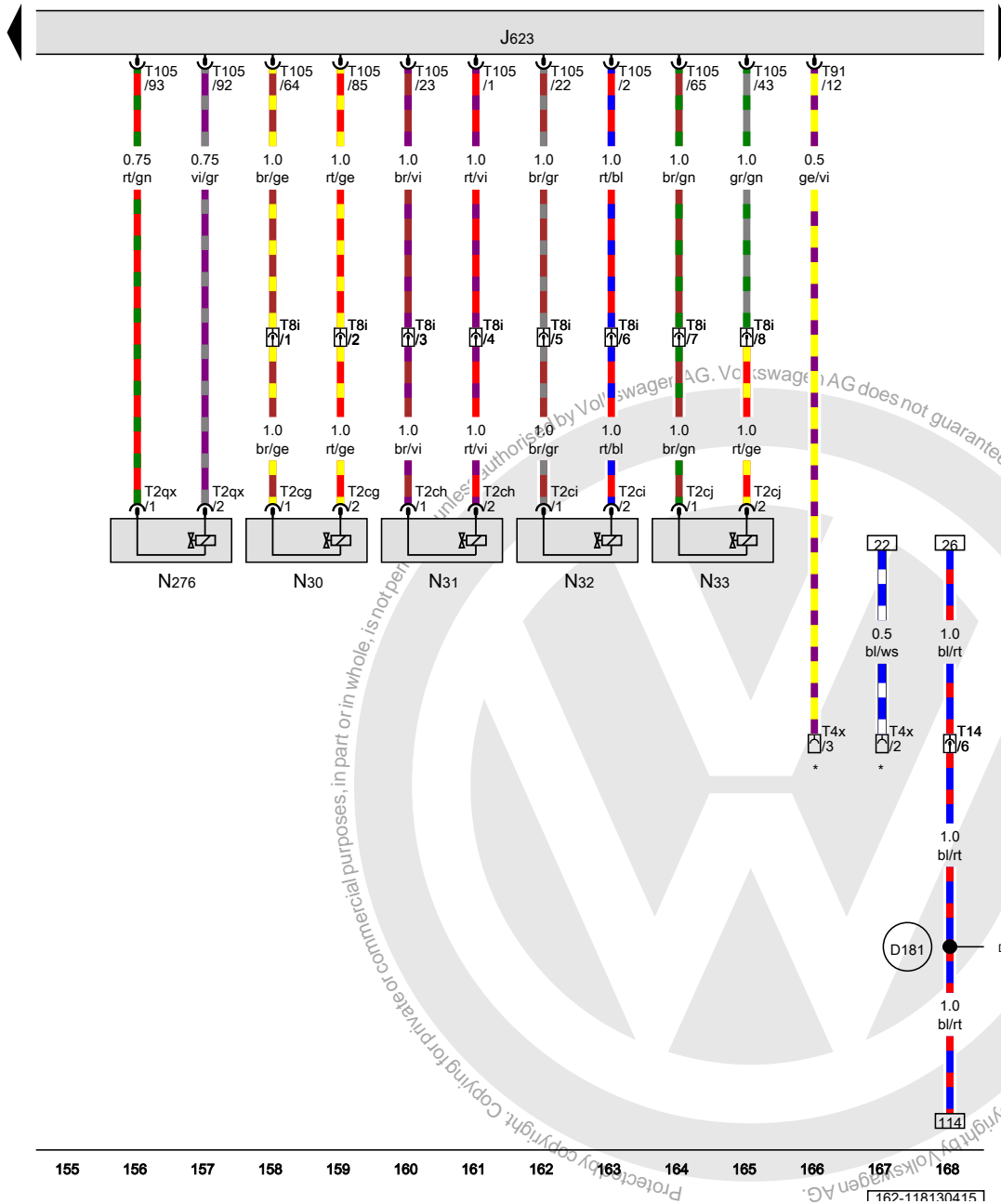


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- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

162-118120415

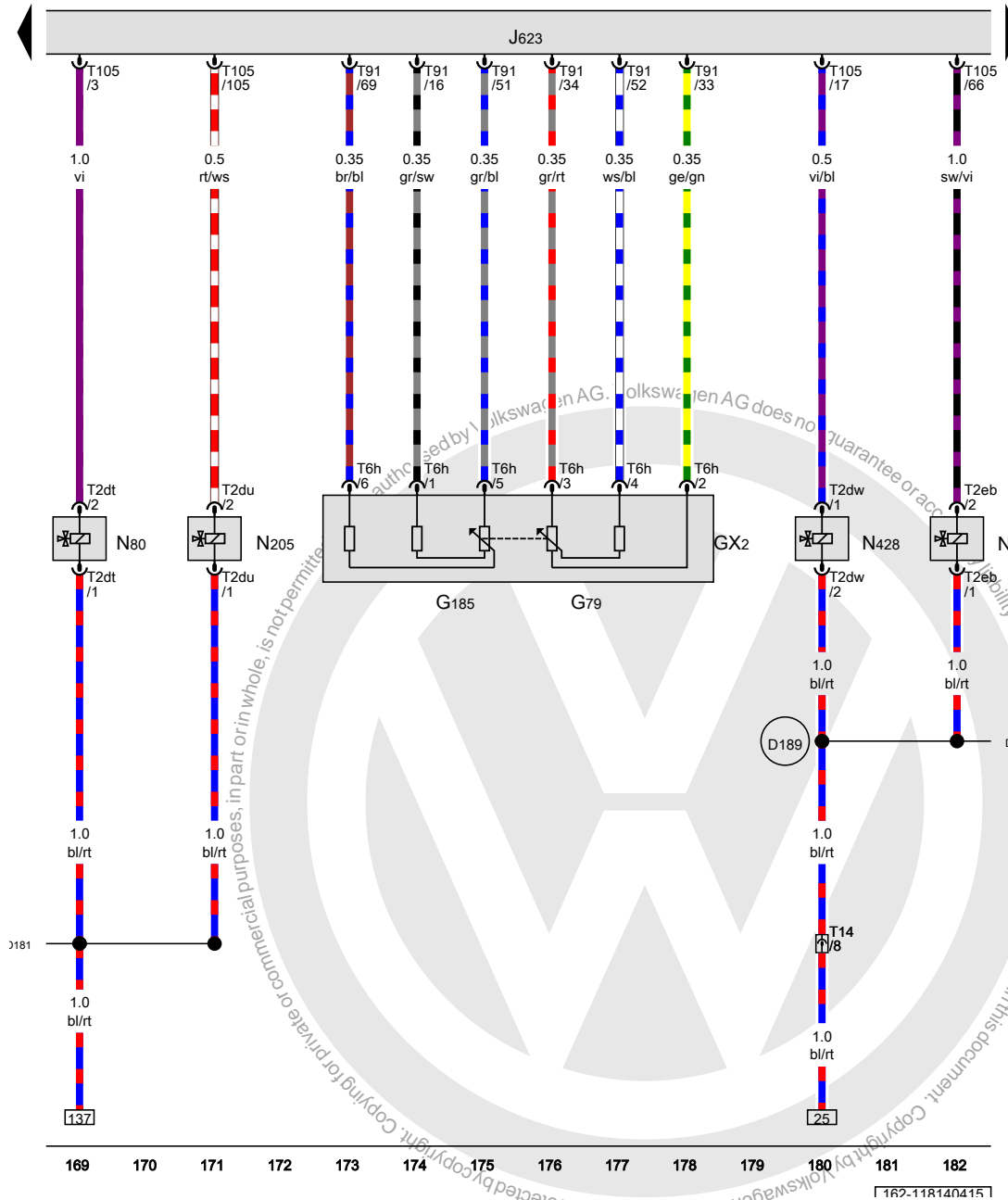
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve



- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2qx 2-pin connector
- T4x 4-pin connector
- T8i 8-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Radiator fan connection

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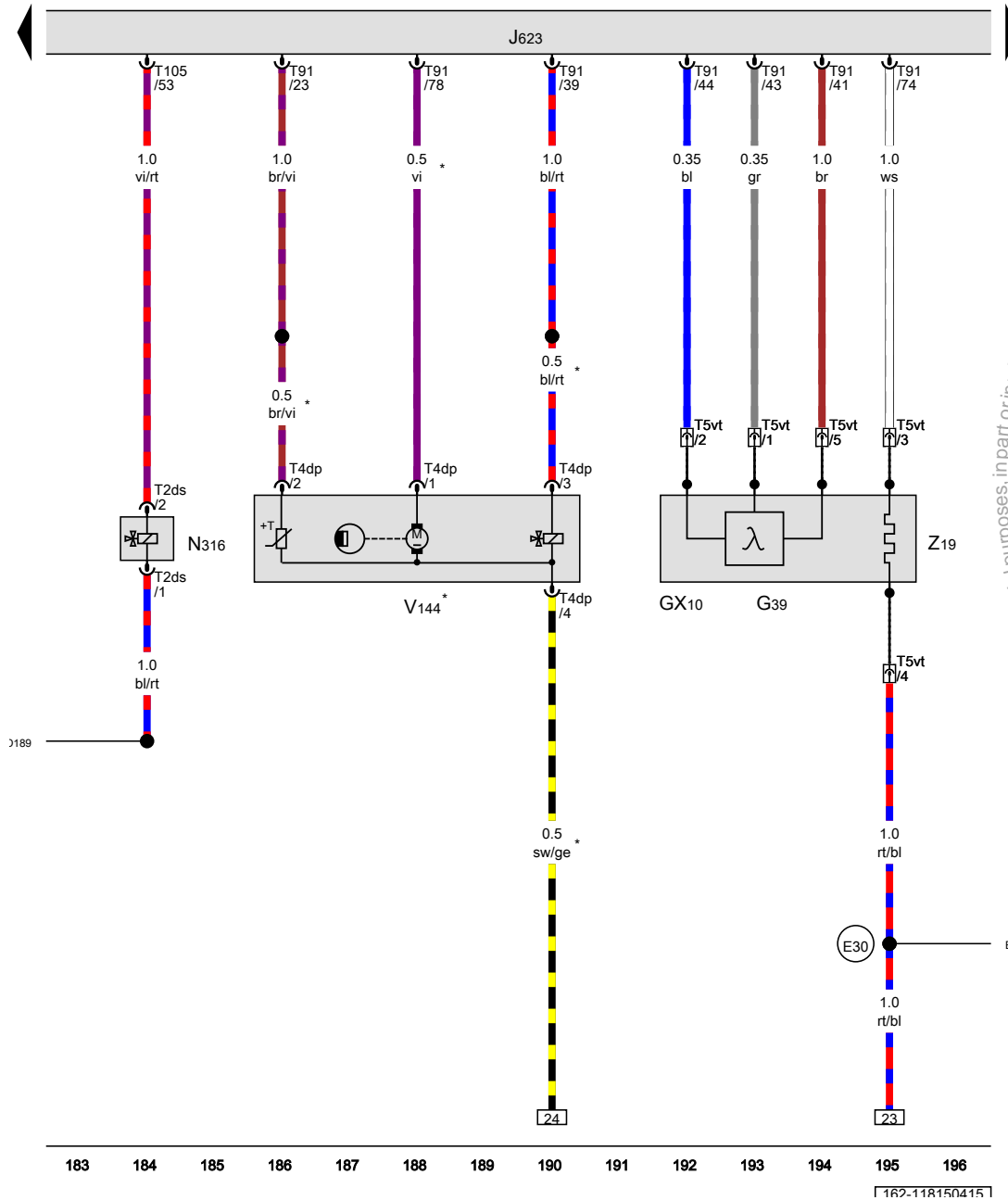
Accelerator pedal module, Accelerator position sender 2, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Valve for oil pressure control



- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T2eb 2-pin connector
- T6h 6-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector
- (D181) Connection 2 (87a) in engine compartment wiring harness
- (D189) Connection (87a) in engine prewiring harness

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Lambda probe 1 before catalytic converter, Engine control unit, Intake manifold flap valve, Fuel system diagnostic pump, Lambda probe heater

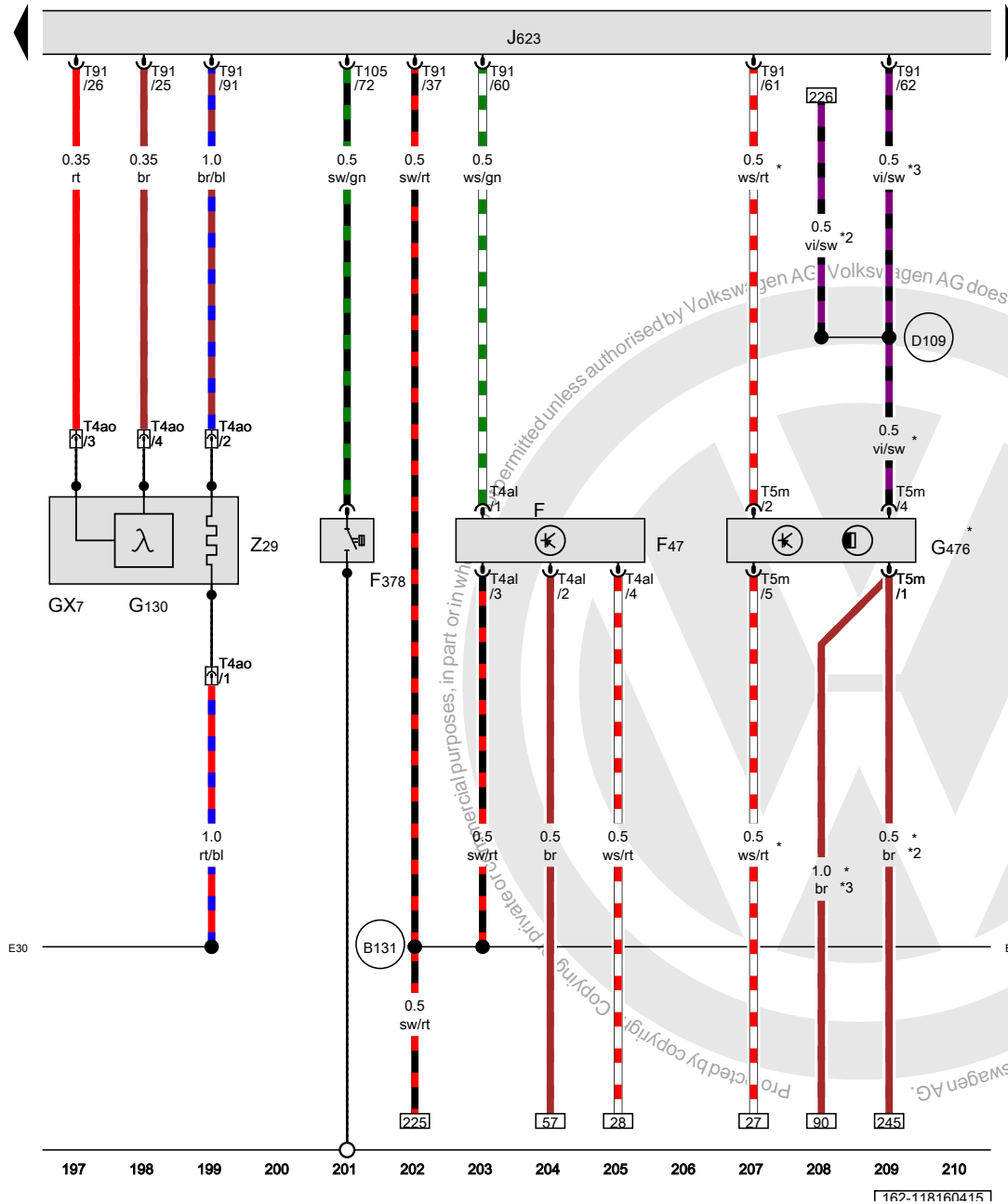


- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T4dp 4-pin connector
- T5vt 5-pin connector
- T91 91-pin connector
- T105 105-pin connector
- V144 Fuel system diagnostic pump
- Z19 Lambda probe heater

- (D189) Connection (87a) in engine prewiring harness
- (E30) Connection (87a), in engine wiring harness
- * According to equipment

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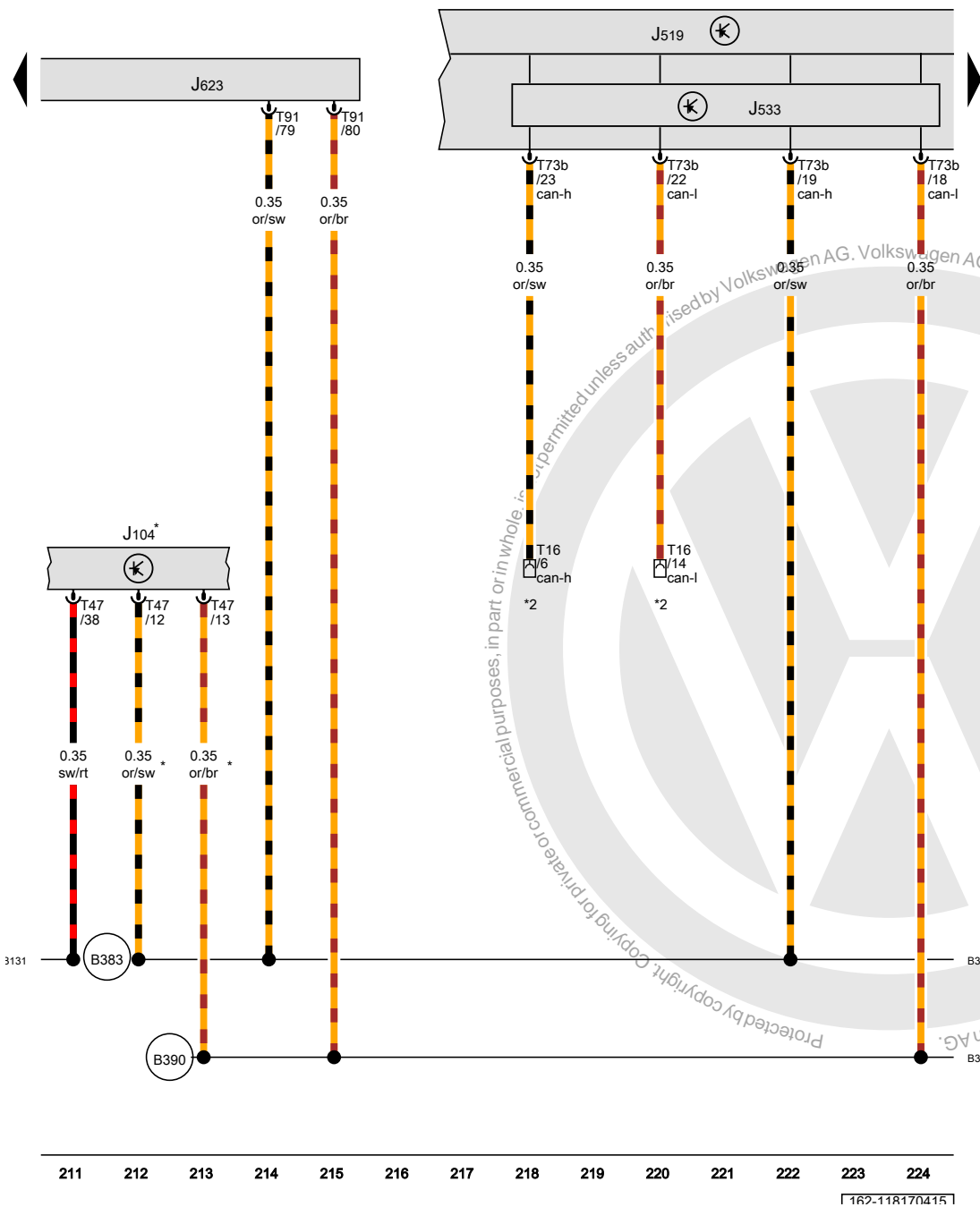
Brake light switch, Brake pedal switch, Oil pressure switch for reduced oil pressure, Lambda probe 1 after catalytic converter, Clutch position sender, Engine control unit, Lambda probe 1 heater after catalytic converter

- F Brake light switch
- F47 Brake pedal switch
- F378 Oil pressure switch for reduced oil pressure
- GX7 Lambda probe 1 after catalytic converter
- G130 Lambda probe after catalytic converter
- G476 Clutch position sender
- J623 Engine control unit
- T4al 4-pin connector
- T4ao 4-pin connector
- T5m 5-pin connector
- T91 91-pin connector
- T105 105-pin connector
- Z29 Lambda probe 1 heater after catalytic converter

- (B131) Connection (54), in interior wiring harness
- (D109) Connection 7 in engine compartment wiring harness
- (E30) Connection (87a), in engine wiring harness

- * Only models with manual gearbox
- *2 Not for American markets
- *3 Only for American markets

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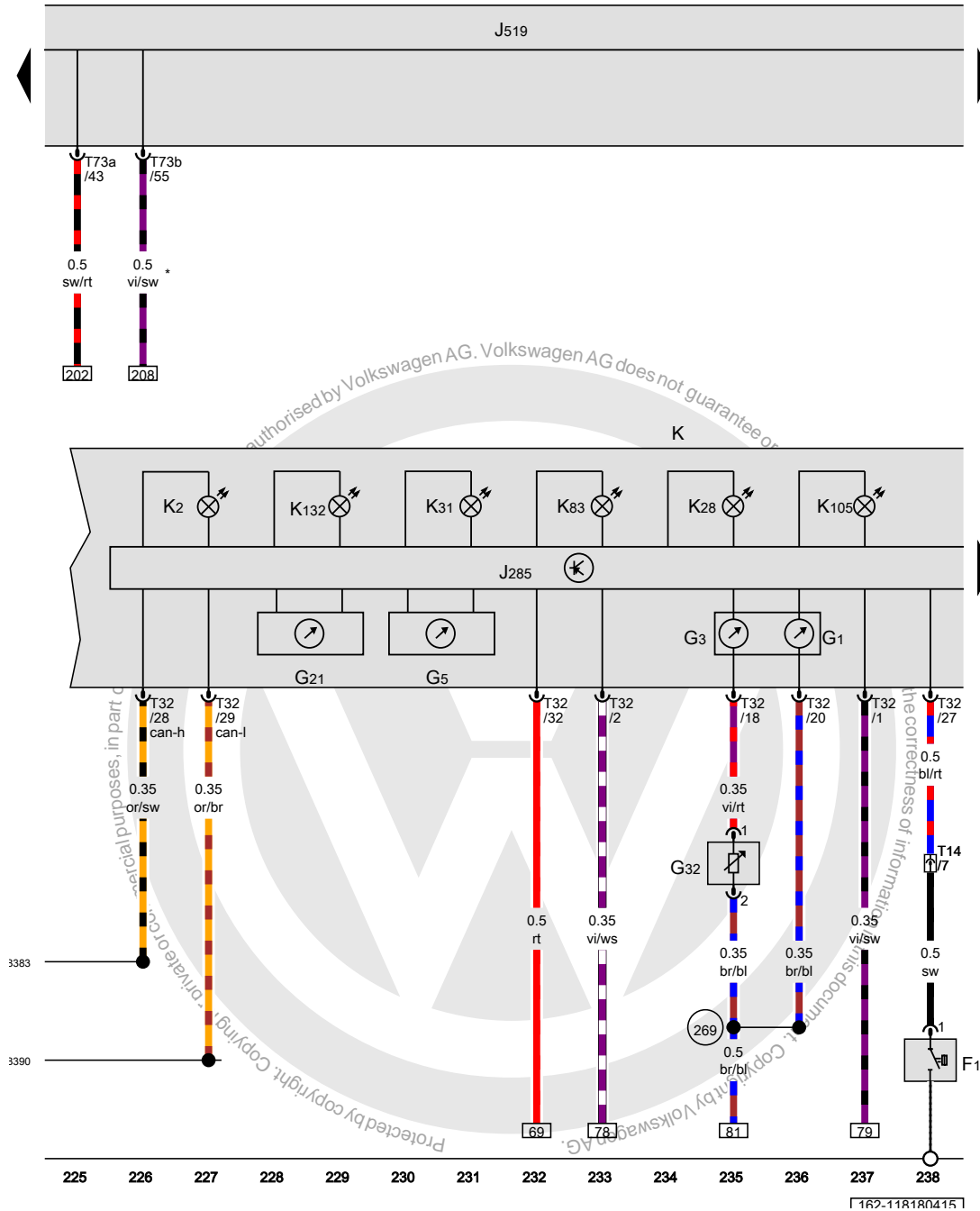
Onboard supply control unit, Data bus diagnostic interface, Engine control unit

- J104 ABS control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- T16 16-pin connector
- T47 47-pin connector
- T73b 73-pin connector
- T91 91-pin connector

- B131** Connection (54), in interior wiring harness
- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- *1 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 Diagnostic connection

3131

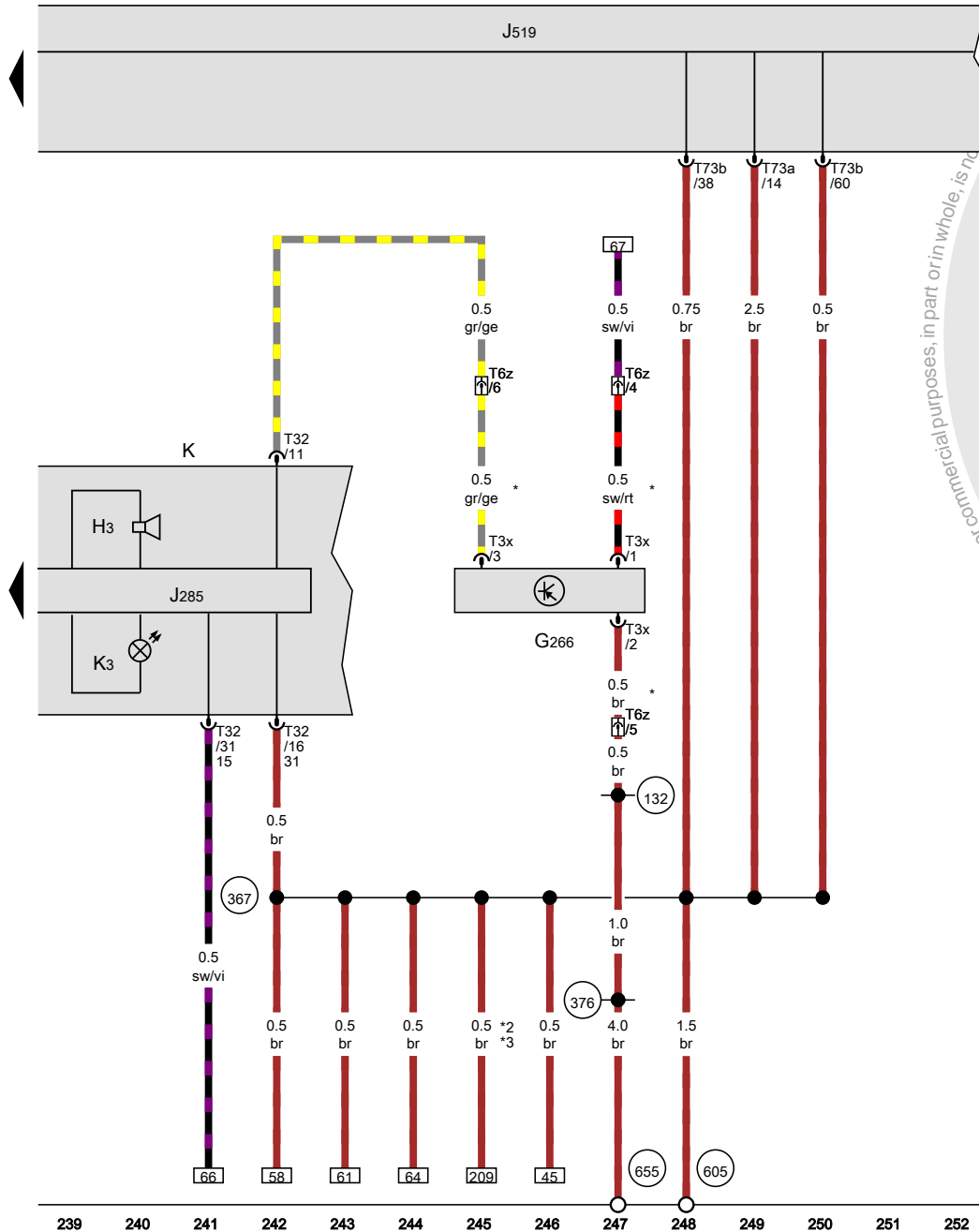
[162-118170415]



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K132 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T14 14-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Not for American markets



Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K3 Oil pressure warning lamp
- T3x 3-pin connector
- T6z 6-pin connector, near left headlight
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight

- * Only models with flexible service interval display
- *2 Only models with manual gearbox
- *3 Not for American markets

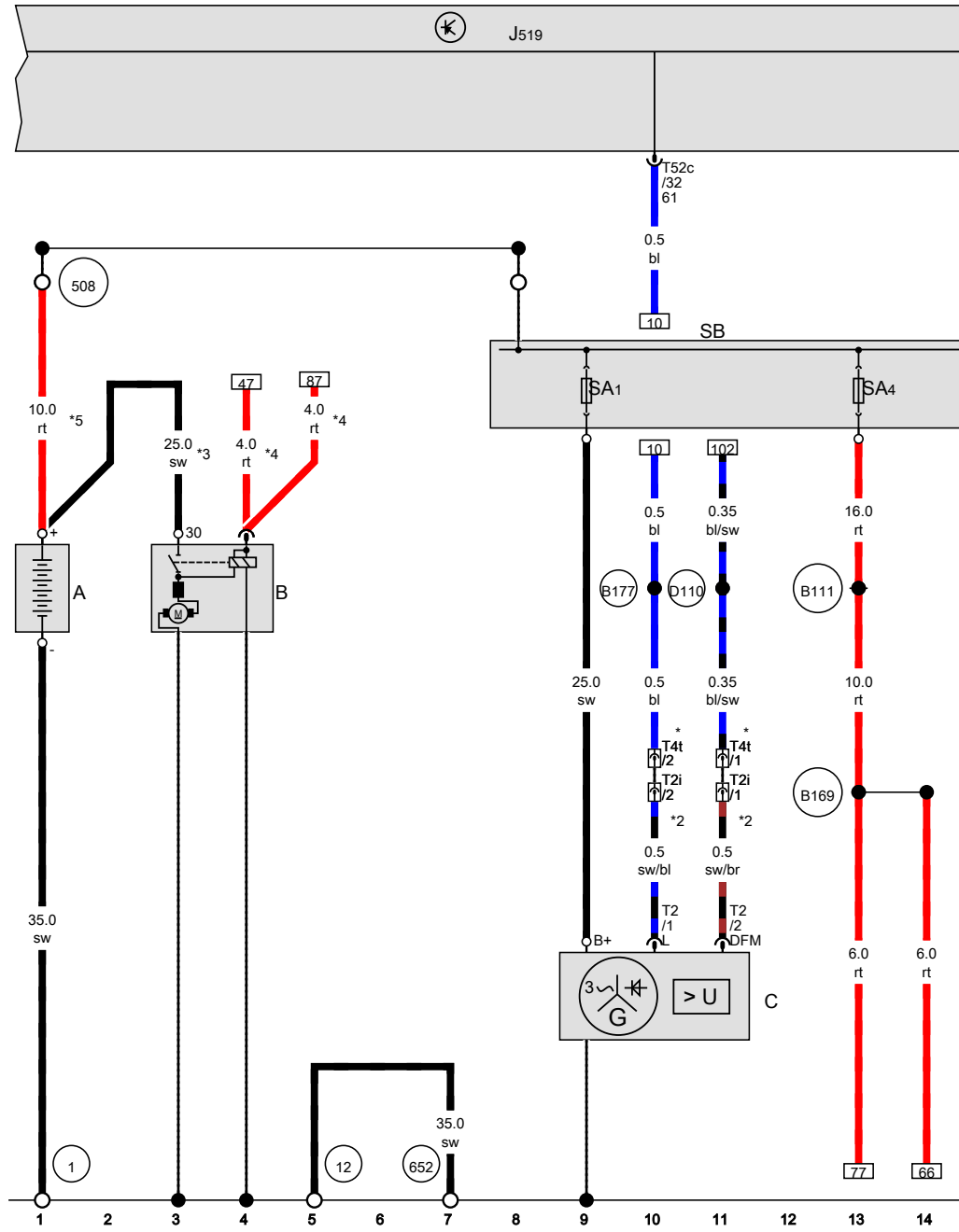
- ws = white
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- gr = grey
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- or = orange
- rs = pink

162-118190415

2.0l petrol engine , CPPA,(0GT)

From December 2012





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

- A Battery
- B Starter
- C Alternator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- D110 Connection 8 in engine compartment wiring harness

- * Only models with air conditioning system
- *2 Only models with no air conditioning system
- *3 Cross-section 35.0 possible
- *4 According to equipment
- *5 Cross-section 16.0 possible

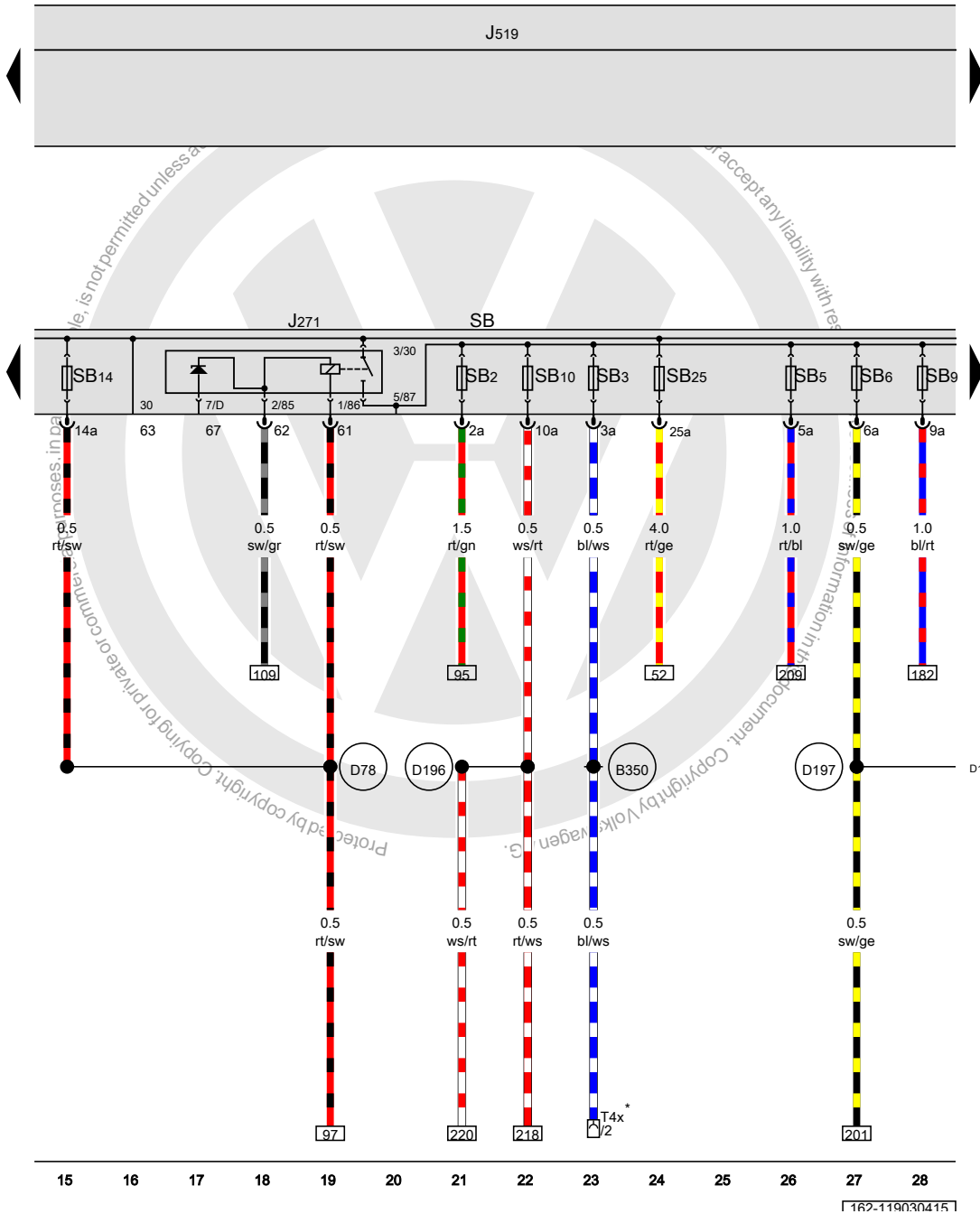
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119-119020415

Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T4x 4-pin connector

- (B350) Positive connection 1 (87a) in main wiring harness
- (D78) Positive connection 1 (30a), in engine compartment wiring harness
- (D196) Connection 2 (87a) in engine prewiring harness
- (D197) Connection 5 (87a) in engine compartment wiring harness
- * Radiator fan connection



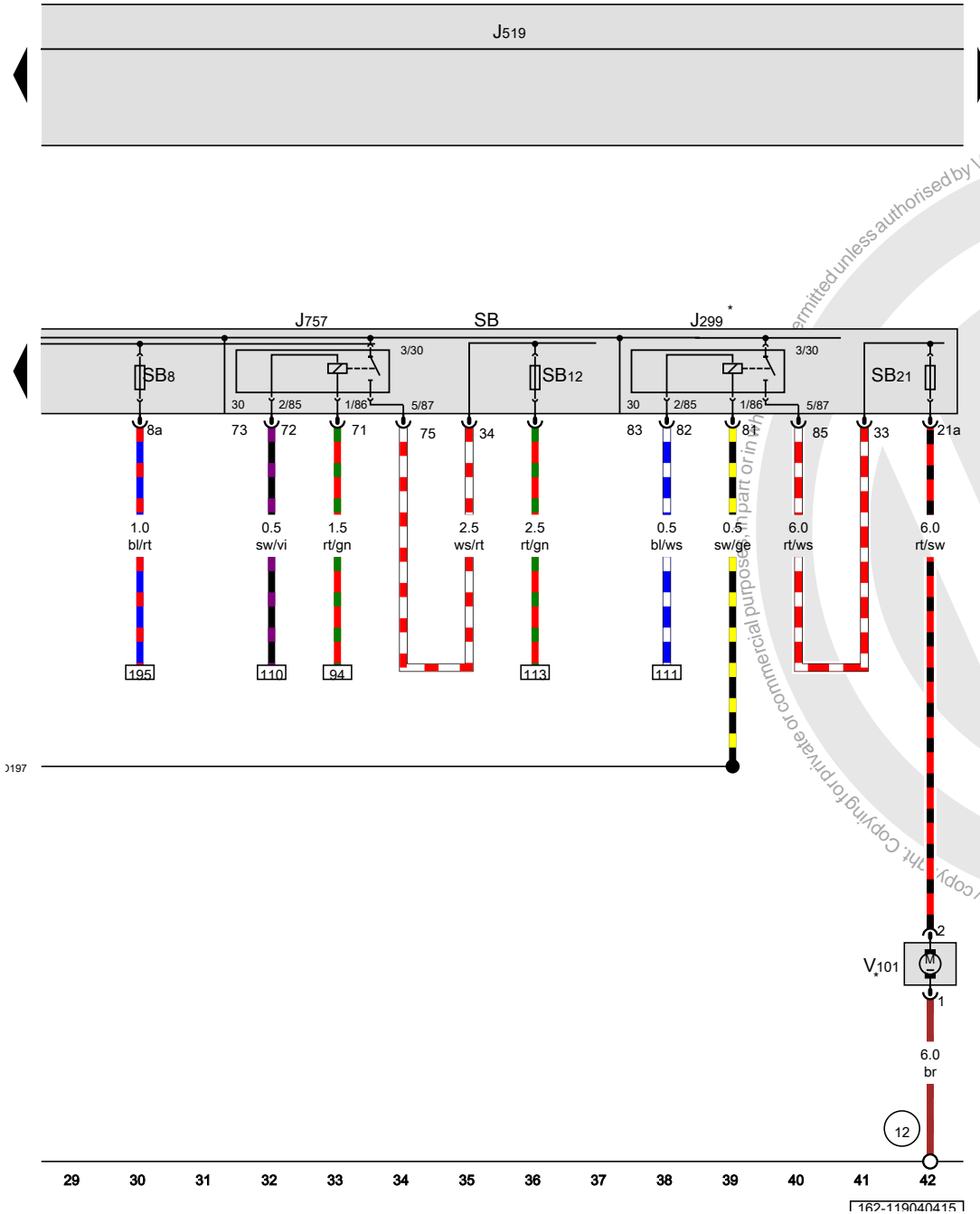
Secondary air pump relay, Onboard supply control unit,
 Engine component current supply relay, Fuse holder B,
 Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- V101 Secondary air pump motor

12 Earth point, on left in engine compartment

D197 Connection 5 (87a) in engine compartment wiring harness

* Only for American markets



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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

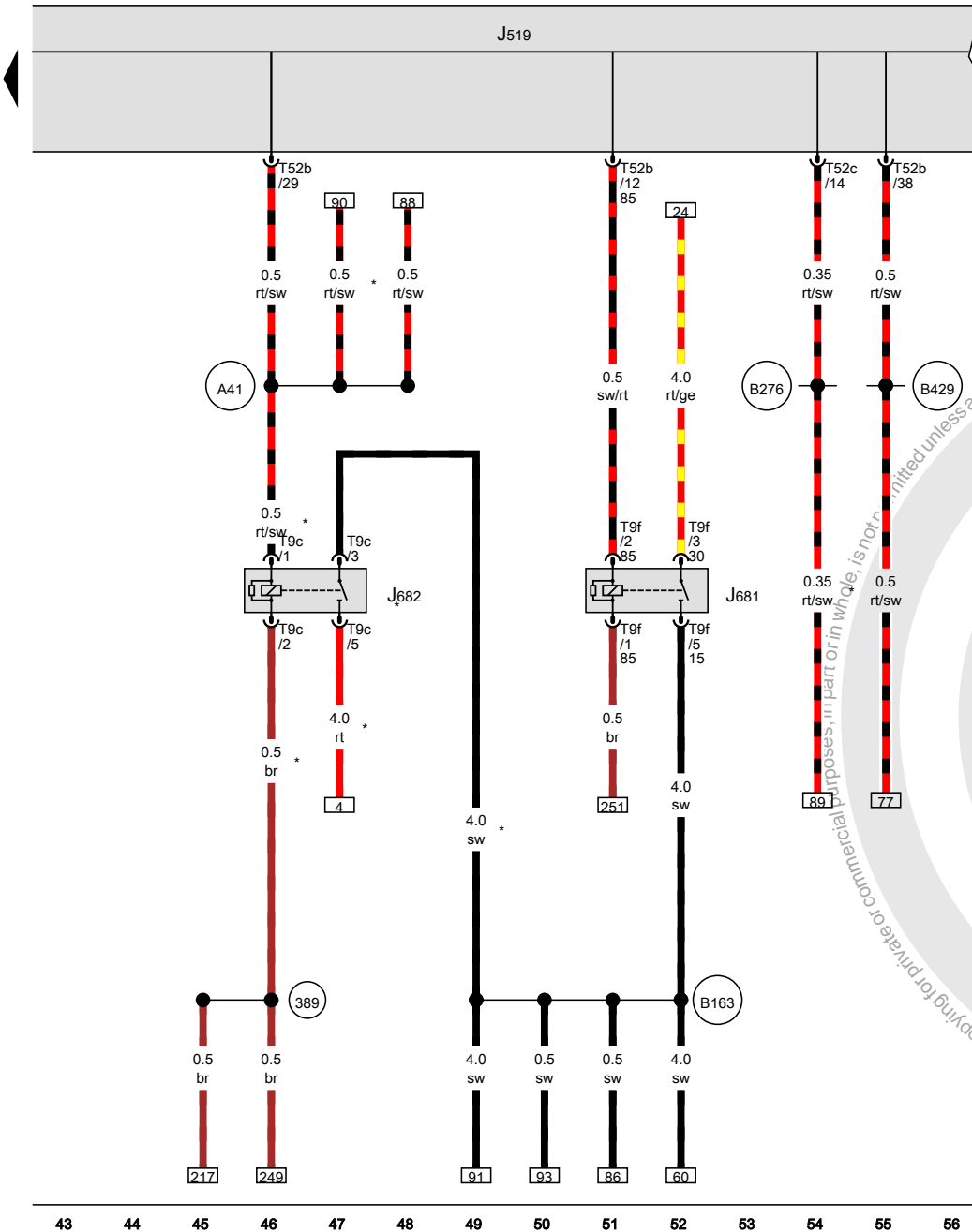
162-119040415

Onboard supply control unit, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay

- J519 Onboard supply control unit
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- T9c 9-pin connector
- T9f 9-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

- 389 Earth connection 24, in main wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- B429 Connection (EFPR), in main wiring harness

* According to equipment



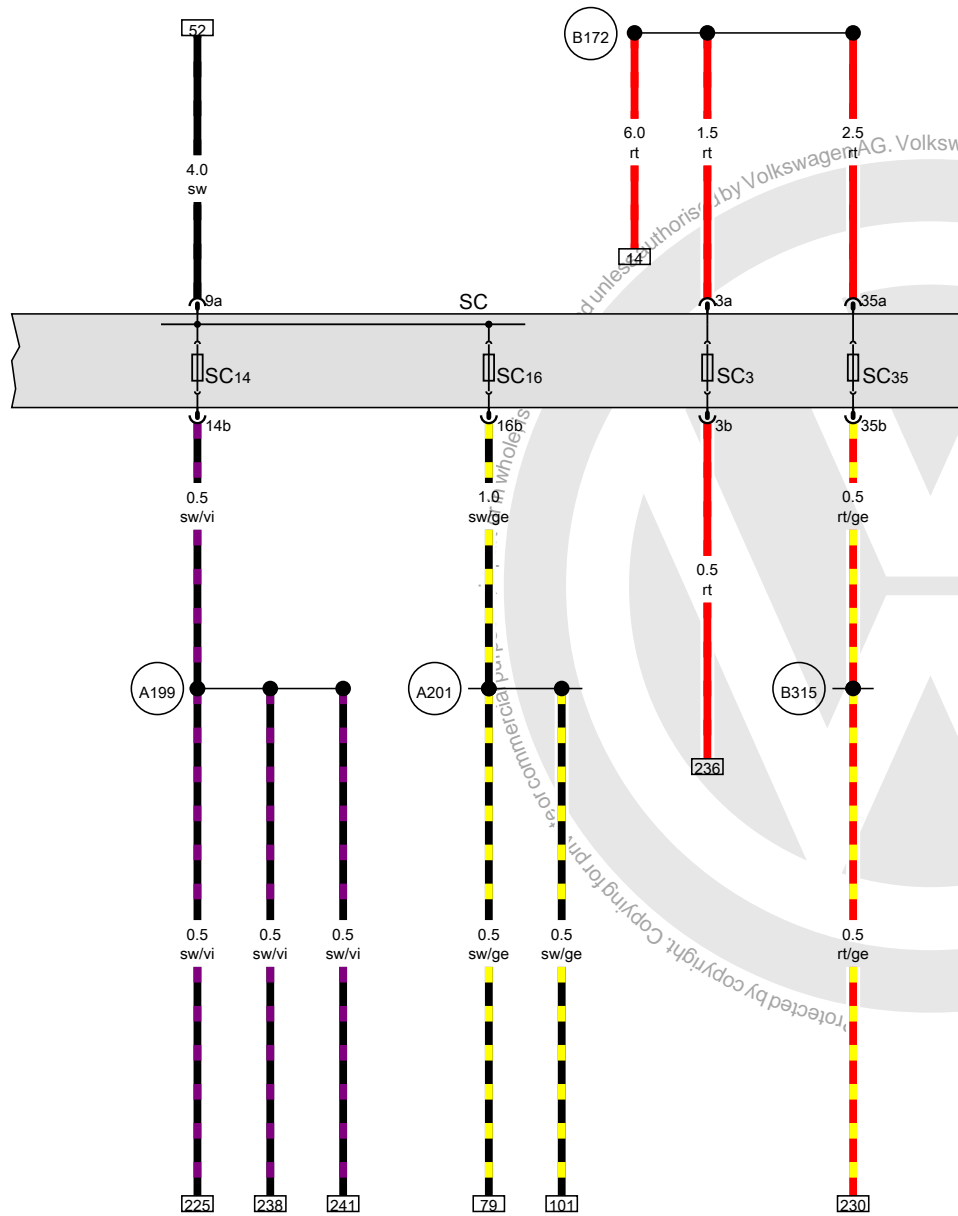
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162-119050415

Fuse holder C

- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC35 Fuse 35 on fuse holder C

- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness



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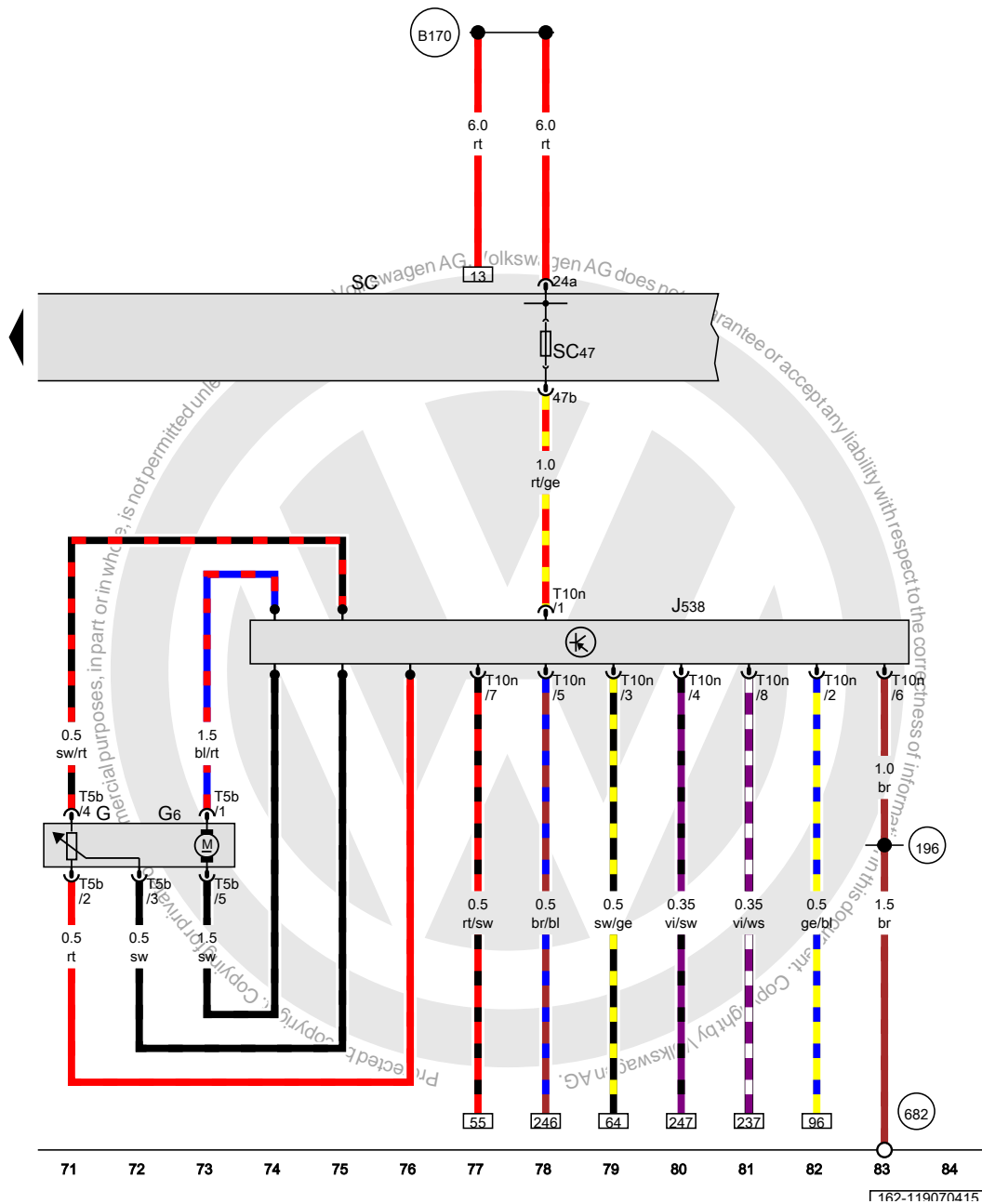
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[162-119060415]

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump control unit, Fuse holder C

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J538 Fuel pump control unit
- SC Fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5b 5-pin connector
- T10n 10-pin connector

- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- B170 Positive connection 2 (30), in interior wiring harness

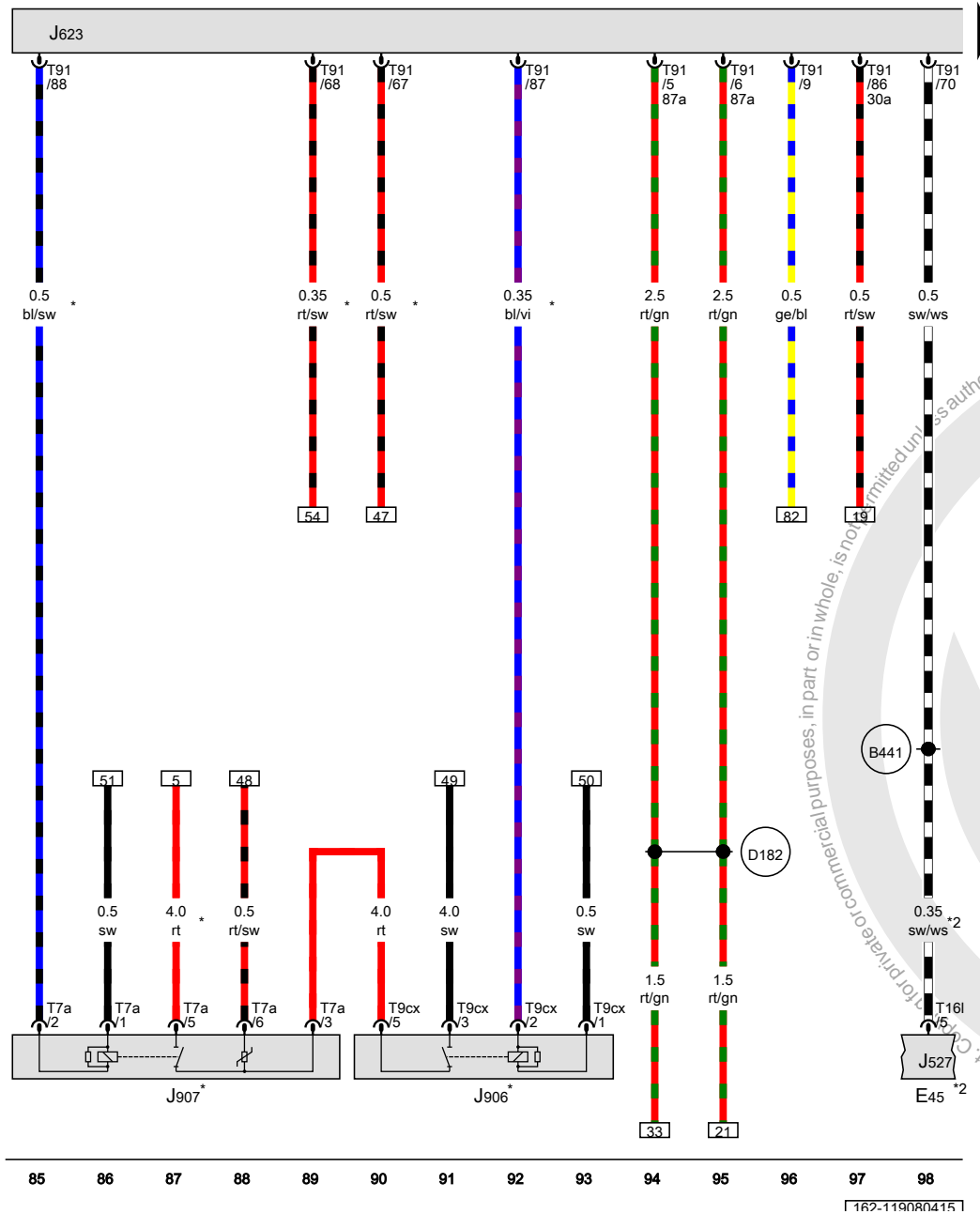


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Engine control unit

- E45 Cruise control system switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2
- T7a 7-pin connector
- T9cx 9-pin connector
- T16l 16-pin connector
- T91 91-pin connector

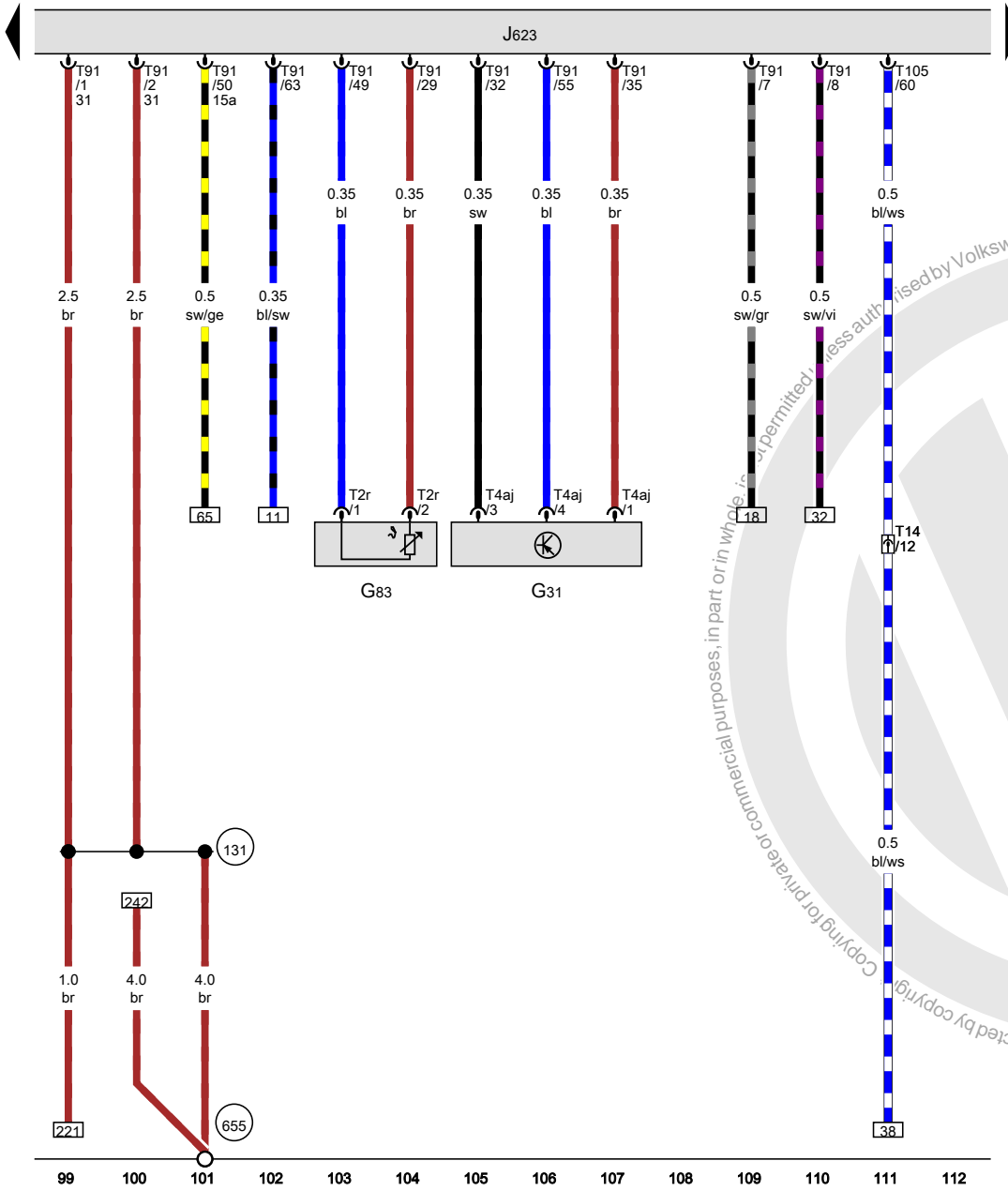
- B441** Connection (CCS), in main wiring harness
- D182** Connection 3 (87a) in engine compartment wiring harness
- * According to equipment
- *2 Only models with cruise control system (CCS)



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162-119080415

Charge pressure sender, Radiator outlet coolant temperature sender, Engine control unit



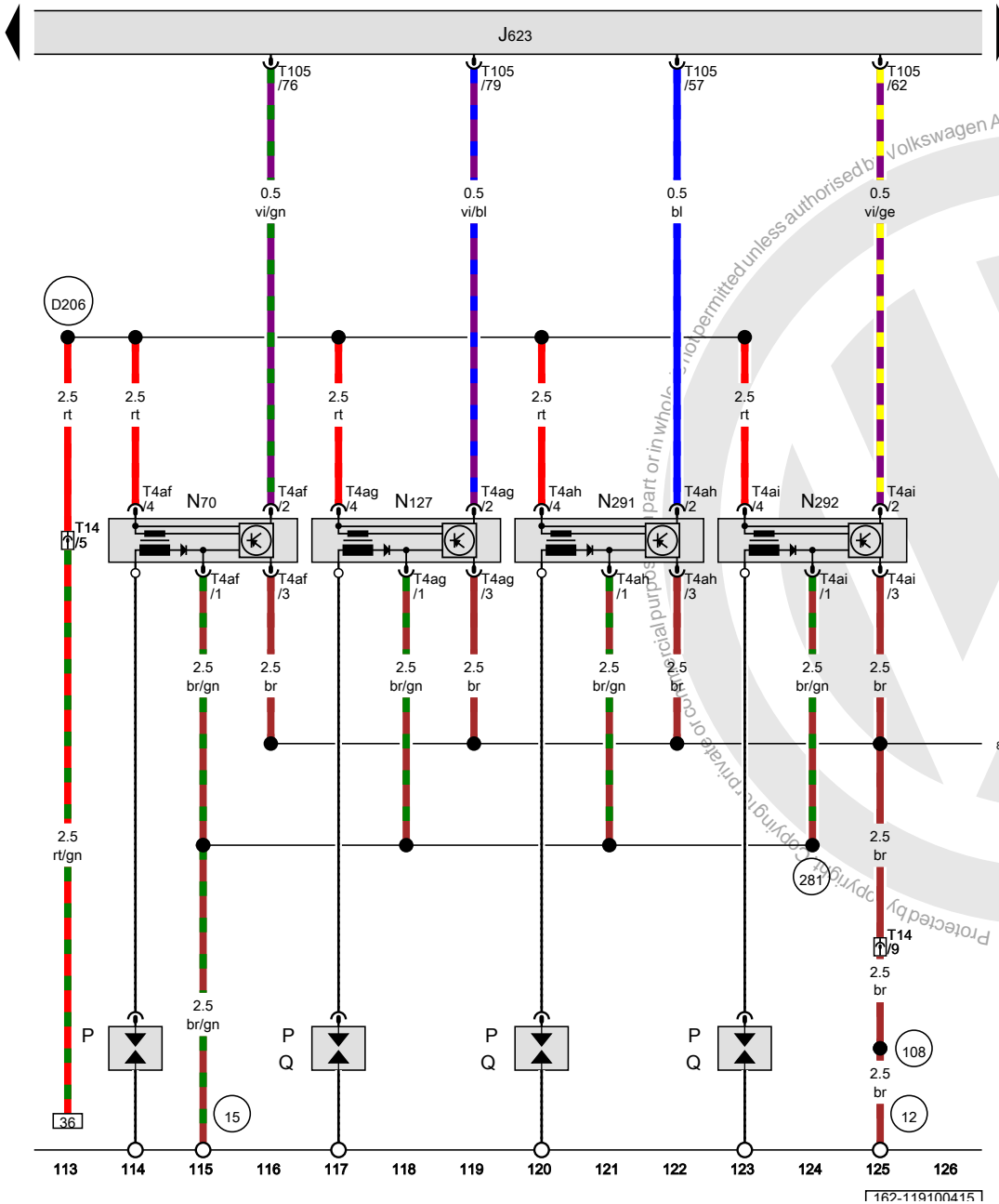
- G31 Charge pressure sender
- G83 Radiator outlet coolant temperature sender
- J623 Engine control unit
- Q Spark plugs
- T2r 2-pin connector
- T4aj 4-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight

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162-119090415

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage

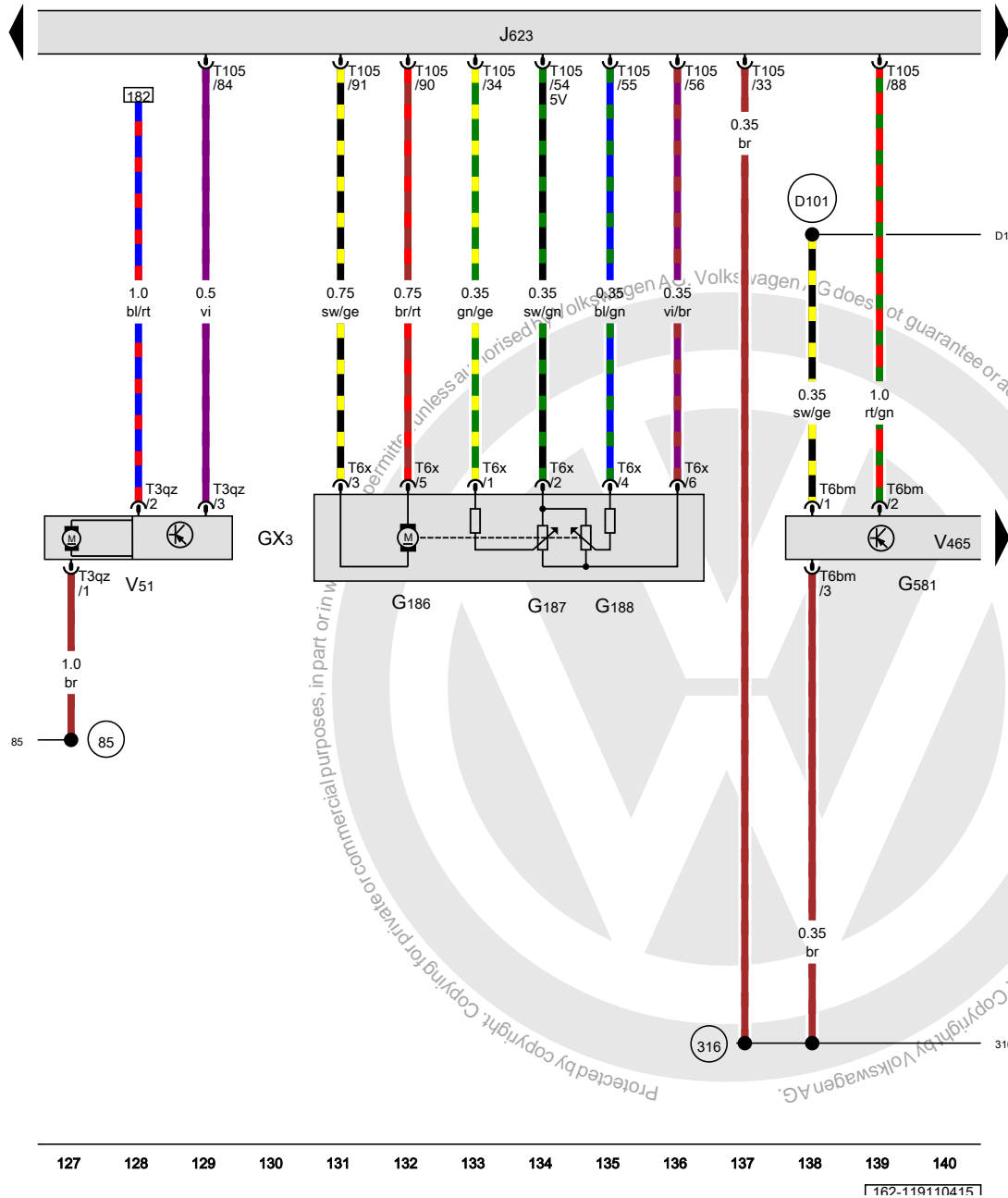


- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector
- T105 105-pin connector
- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness

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162-119100415

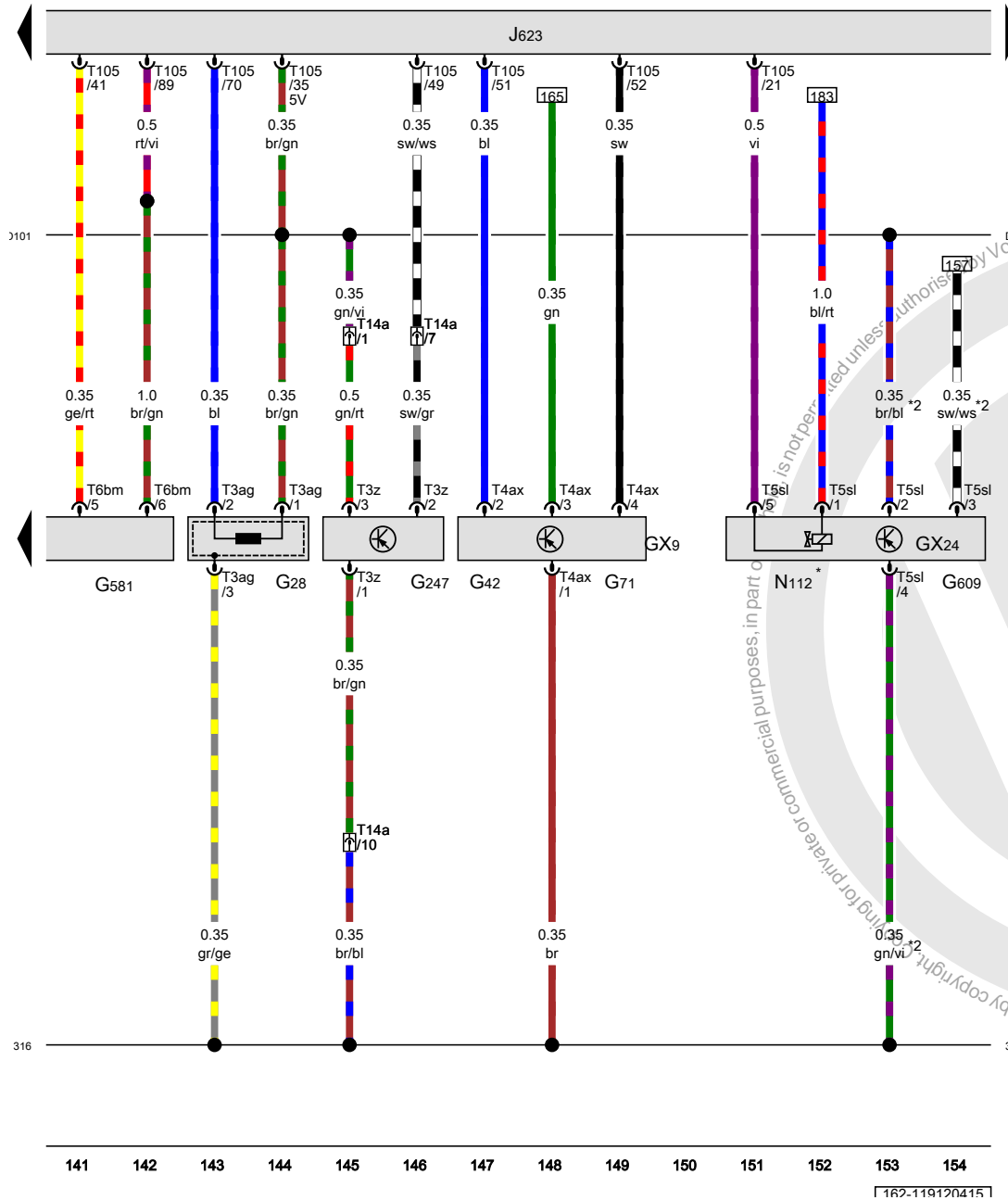
Throttle valve drive for electric throttle, Position sender for charge pressure positioner, Engine control unit, Continued coolant circulation pump



- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- G581 Position sender for charge pressure positioner
- J623 Engine control unit
- T3qz 3-pin connector
- T6bm 6-pin connector
- T6x 6-pin connector
- T105 105-pin connector
- V51 Continued coolant circulation pump
- V465 Charge pressure positioner
- 85 Earth connection 1, in engine compartment wiring harness
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Intake manifold sender, Secondary air system, Engine speed sender, Fuel pressure sender, Position sender for charge pressure positioner, Sender 1 for secondary air pressure, Engine control unit



- GX9 Intake manifold sender
- GX24 Secondary air system
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- G609 Sender 1 for secondary air pressure
- J623 Engine control unit
- N112 Secondary air inlet valve
- T3ag 3-pin connector
- T3z 3-pin connector
- T4ax 4-pin connector
- T5sl 5-pin connector
- T6bm 6-pin connector
- T14a 14-pin connector
- T105 105-pin connector

316 Earth connection (sender earth 2) in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

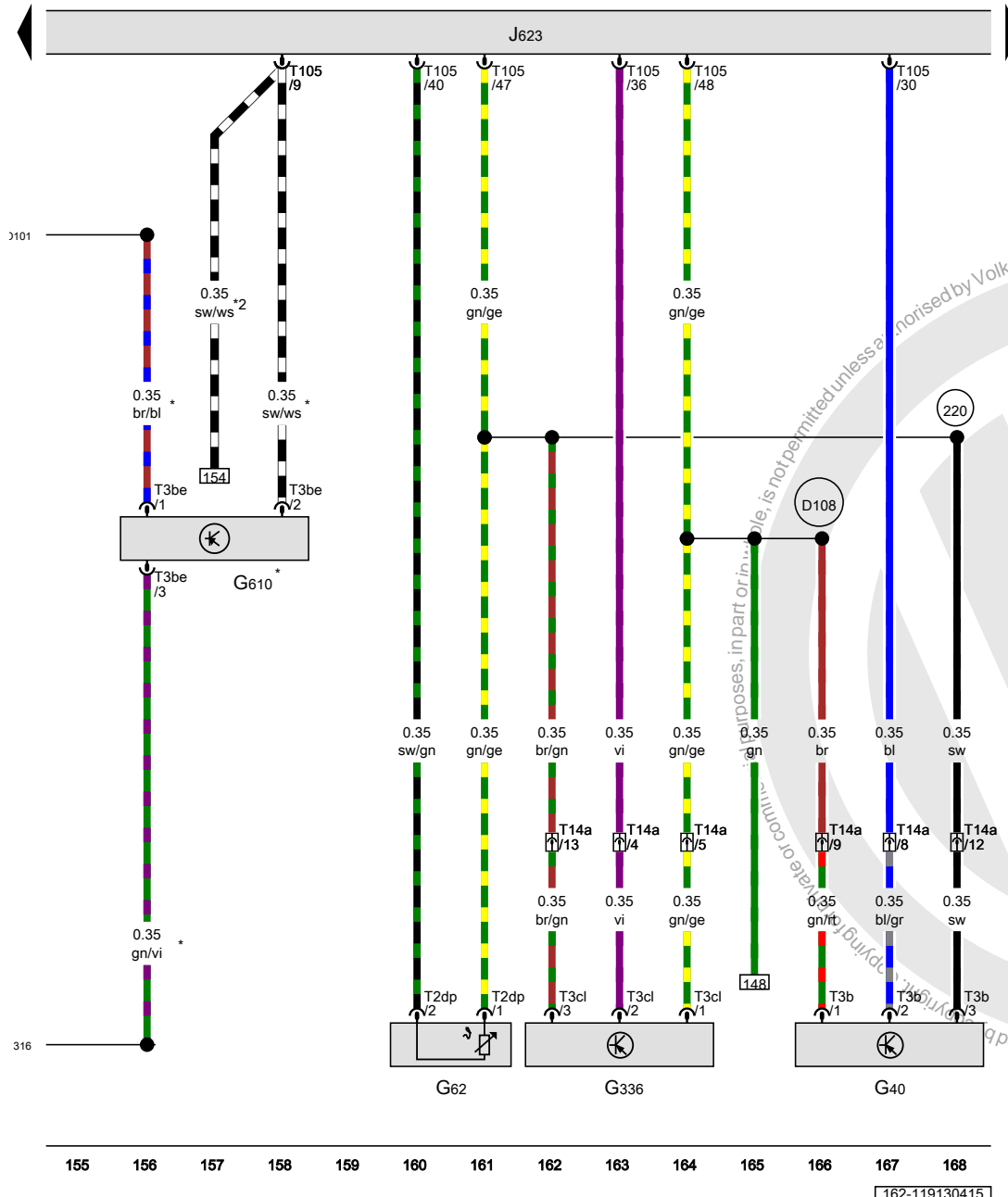
* According to equipment
 *2 Up to September 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

141 142 143 144 145 146 147 148 149 150 151 152 153 154

162-119120415

Hall sender, Coolant temperature sender, Intake manifold flap potentiometer, Engine control unit



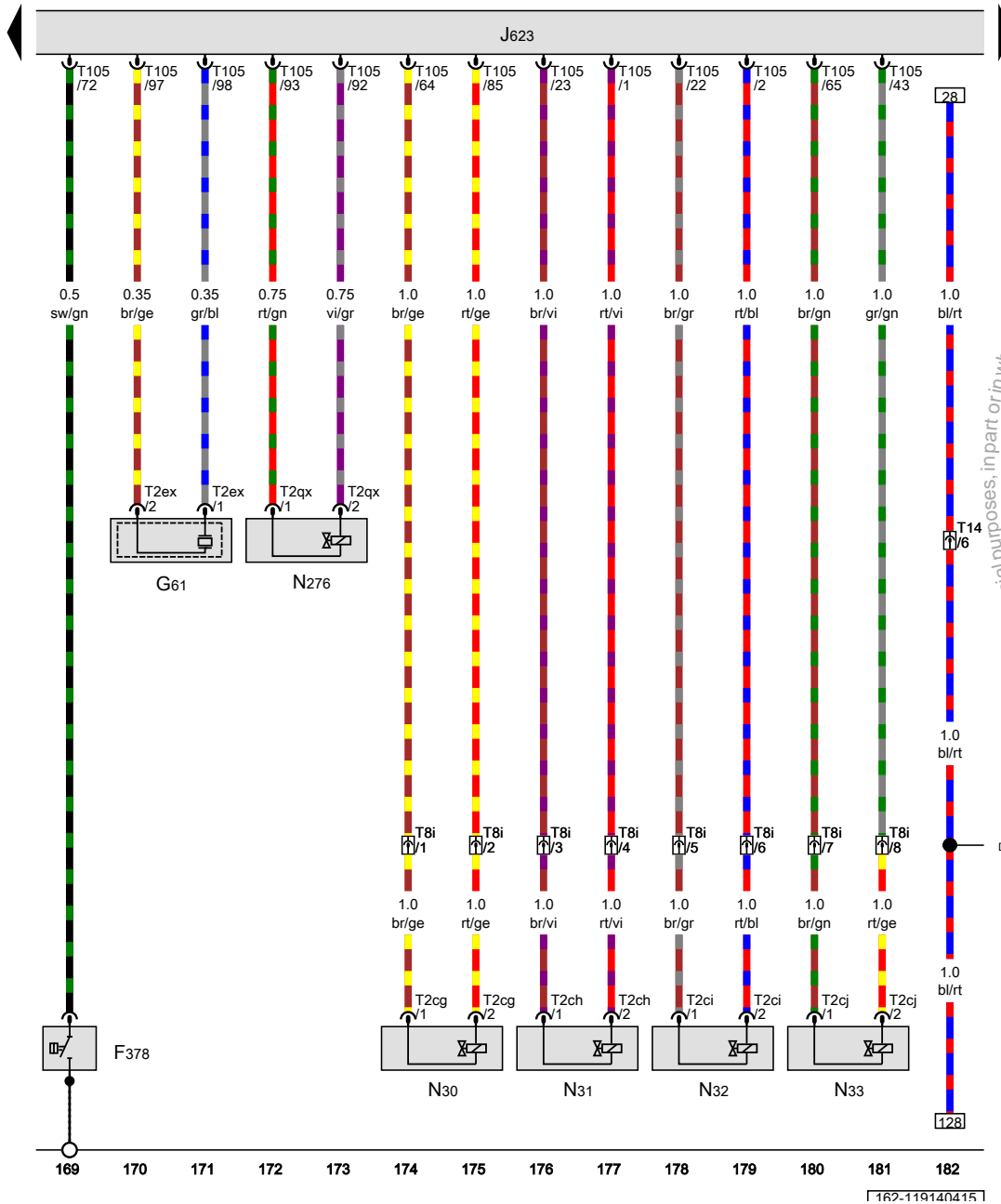
- G40 Hall sender
- G62 Coolant temperature sender
- G336 Intake manifold flap potentiometer
- G610 Sender 2 for secondary air pressure
- J623 Engine control unit
- T2dp 2-pin connector
- T3b 3-pin connector
- T3be 3-pin connector
- T3cl 3-pin connector
- T14a 14-pin connector
- T105 105-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- 316 Earth connection (sender earth 2) in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D108 Connection 6 in engine compartment wiring harness

* From September 2013
 *2 Up to September 2013

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-119130415



Oil pressure switch for reduced oil pressure, Knock sensor 1, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve

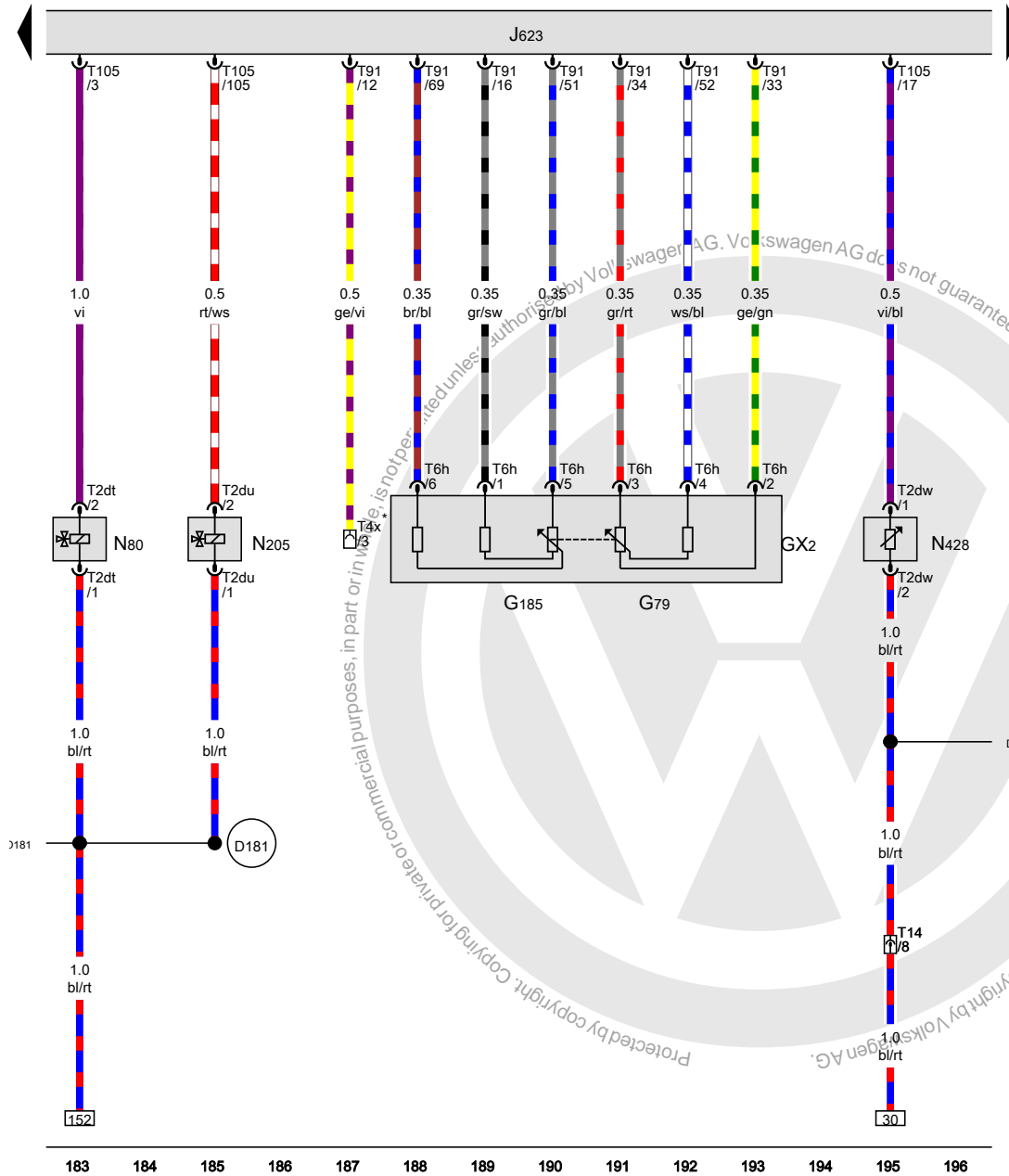
- F378 Oil pressure switch for reduced oil pressure
- G61 Knock sensor 1
- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ex 2-pin connector
- T2qx 2-pin connector
- T8i 8-pin connector
- T14 14-pin connector
- T105 105-pin connector

D181 Connection 2 (87a) in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

169-119140415

Accelerator pedal module, Accelerator position sender, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Valve for oil pressure control



- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T4x 4-pin connector
- T6h 6-pin connector
- T14 14-pin connector
- T91 91-pin connector
- T105 105-pin connector

D181 Connection 2 (87a) in engine compartment wiring harness

D189 Connection (87a) in engine prewiring harness

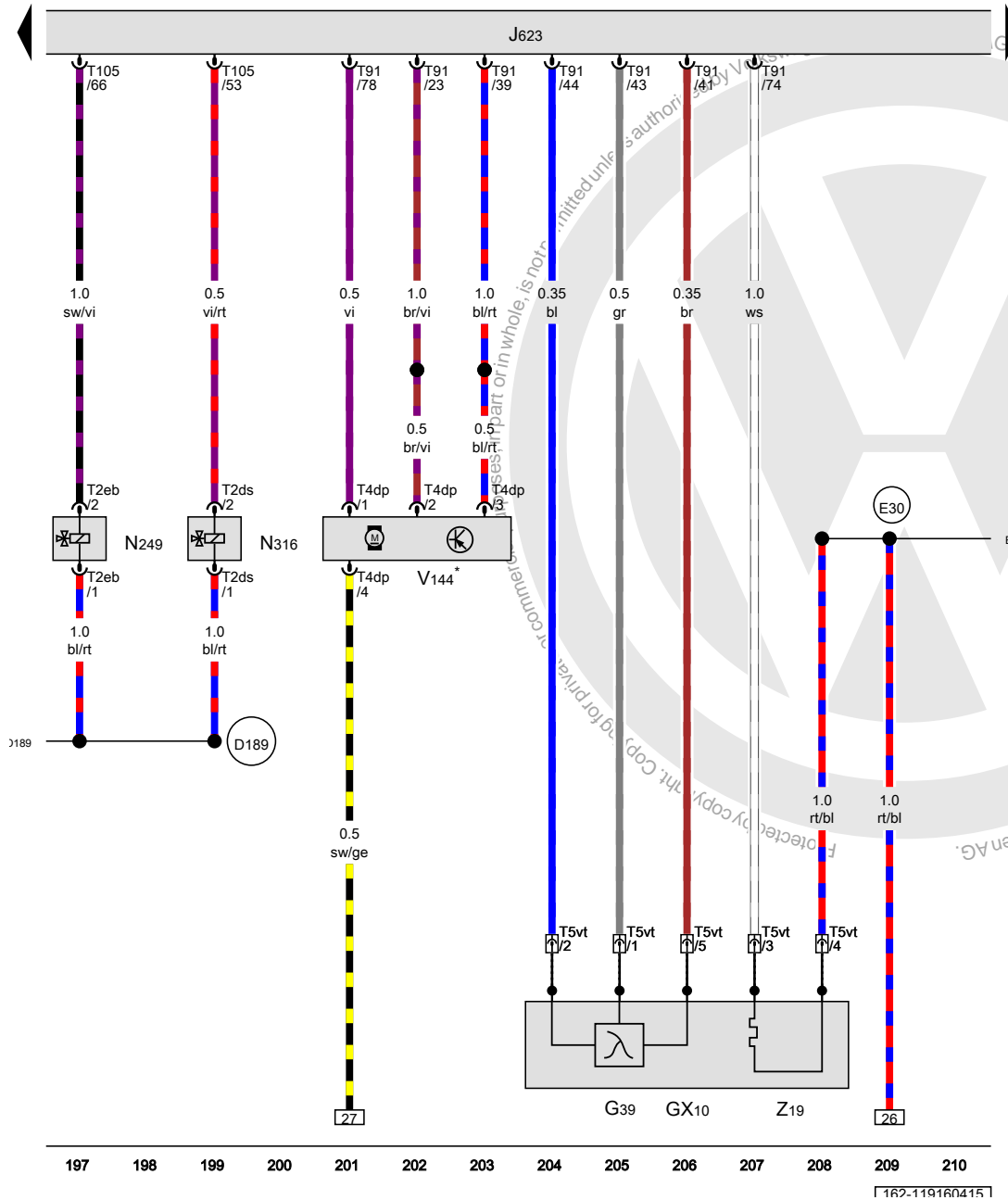
* Radiator fan connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

[162-119150415]

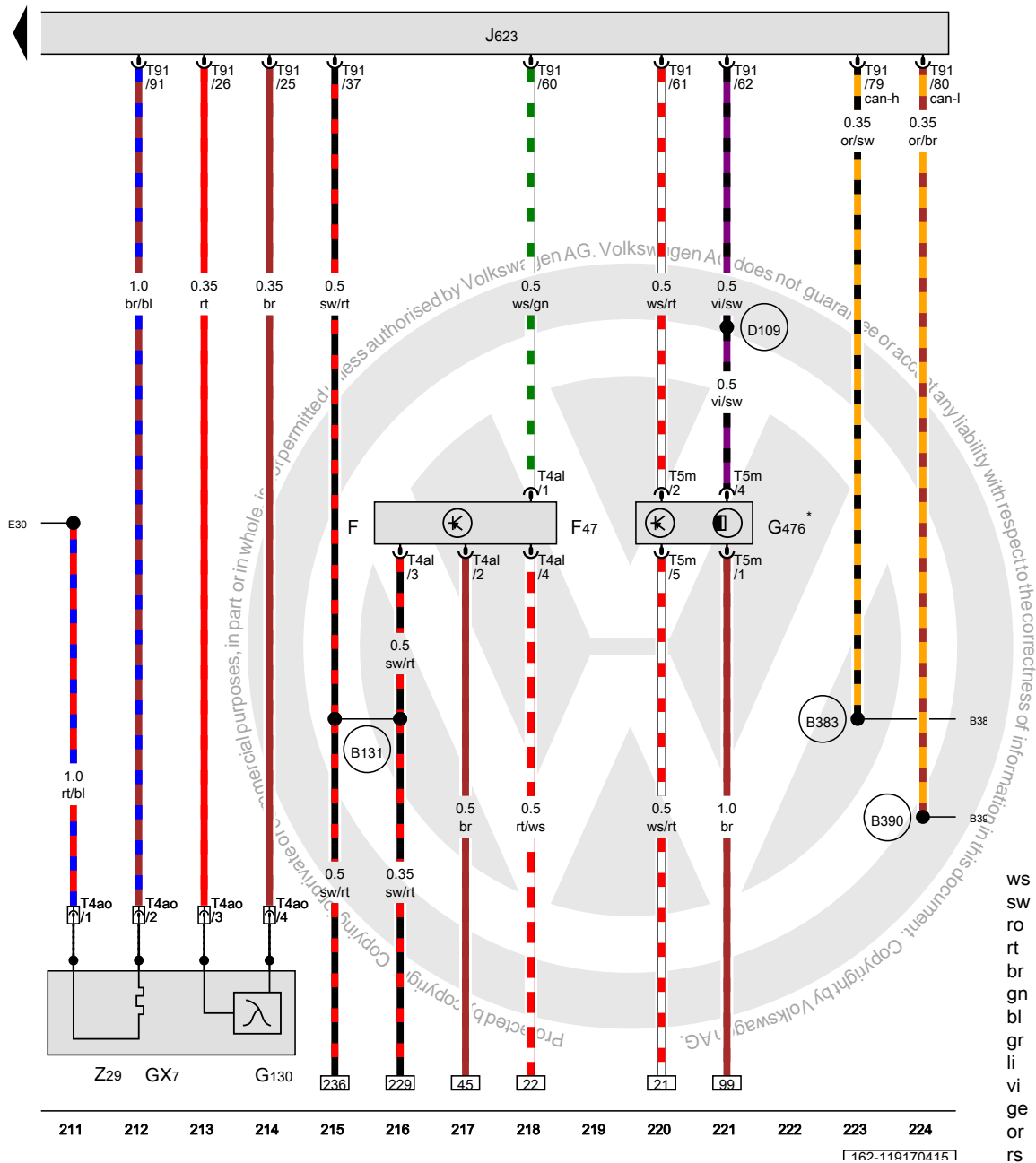
Lambda probe 1 before catalytic converter, Engine control unit, Turbocharger air recirculation valve, Intake manifold flap valve, Fuel system diagnostic pump, Lambda probe heater



- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine control unit
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- T2ds 2-pin connector
- T2eb 2-pin connector
- T4dp 4-pin connector
- T5vt 5-pin connector
- T91 91-pin connector
- T105 105-pin connector
- V144 Fuel system diagnostic pump
- Z19 Lambda probe heater
- D189 Connection (87a) in engine prewiring harness
- E30 Connection (87a), in engine wiring harness
- * According to equipment

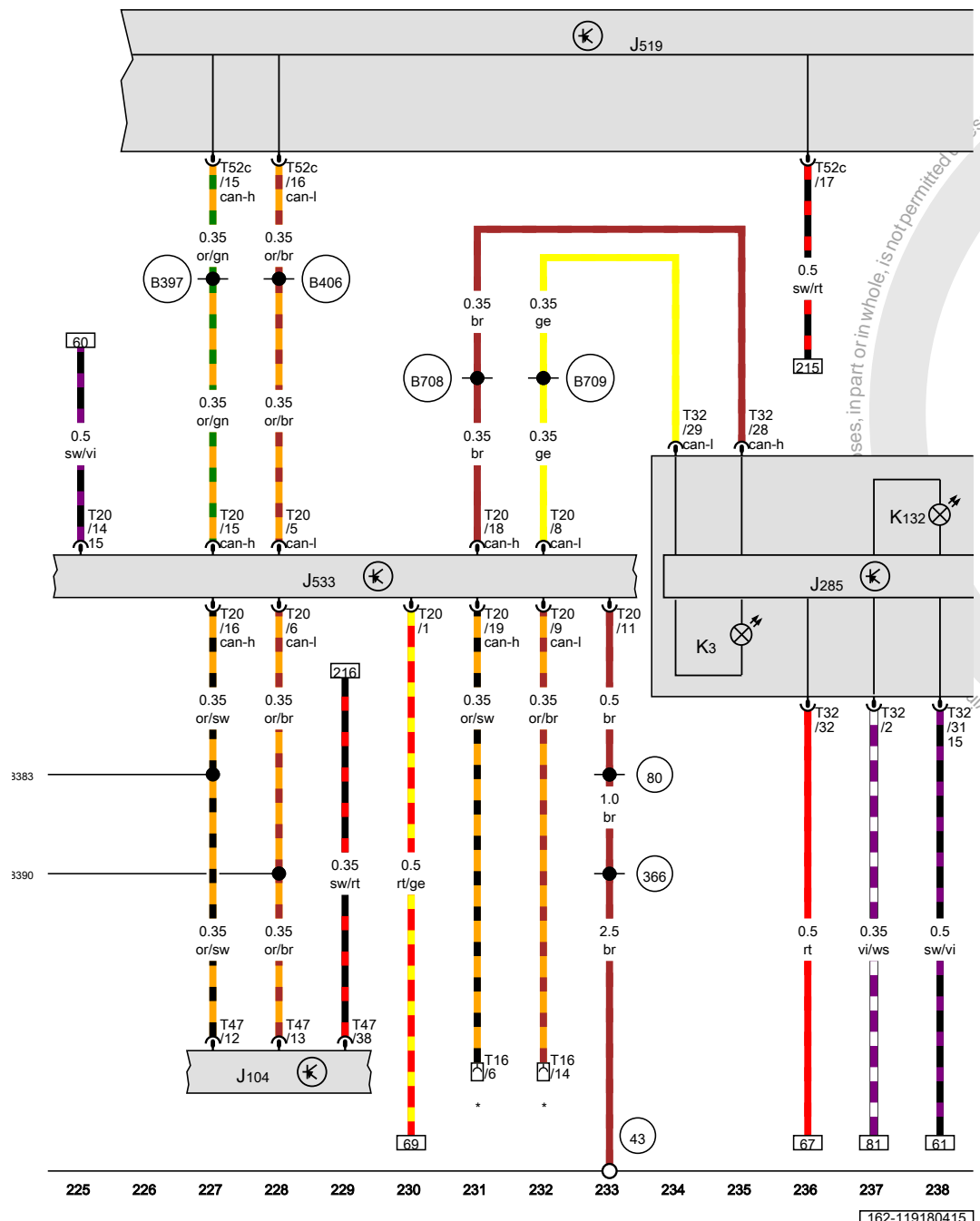
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Brake pedal switch, Lambda probe 1 after catalytic converter, Lambda probe after catalytic converter, Clutch position sender, Engine control unit



- F Brake light switch
- F47 Brake pedal switch
- GX7 Lambda probe 1 after catalytic converter
- G130 Lambda probe after catalytic converter
- G476 Clutch position sender
- J623 Engine control unit
- T4al 4-pin connector
- T4ao 4-pin connector
- T5m 5-pin connector
- T91 91-pin connector
- Z29 Lambda probe 1 heater after catalytic converter
- B131 Connection (54), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- D109 Connection 7 in engine compartment wiring harness
- E30 Connection (87a), in engine wiring harness
- * Only models with manual gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Electronic power control fault lamp

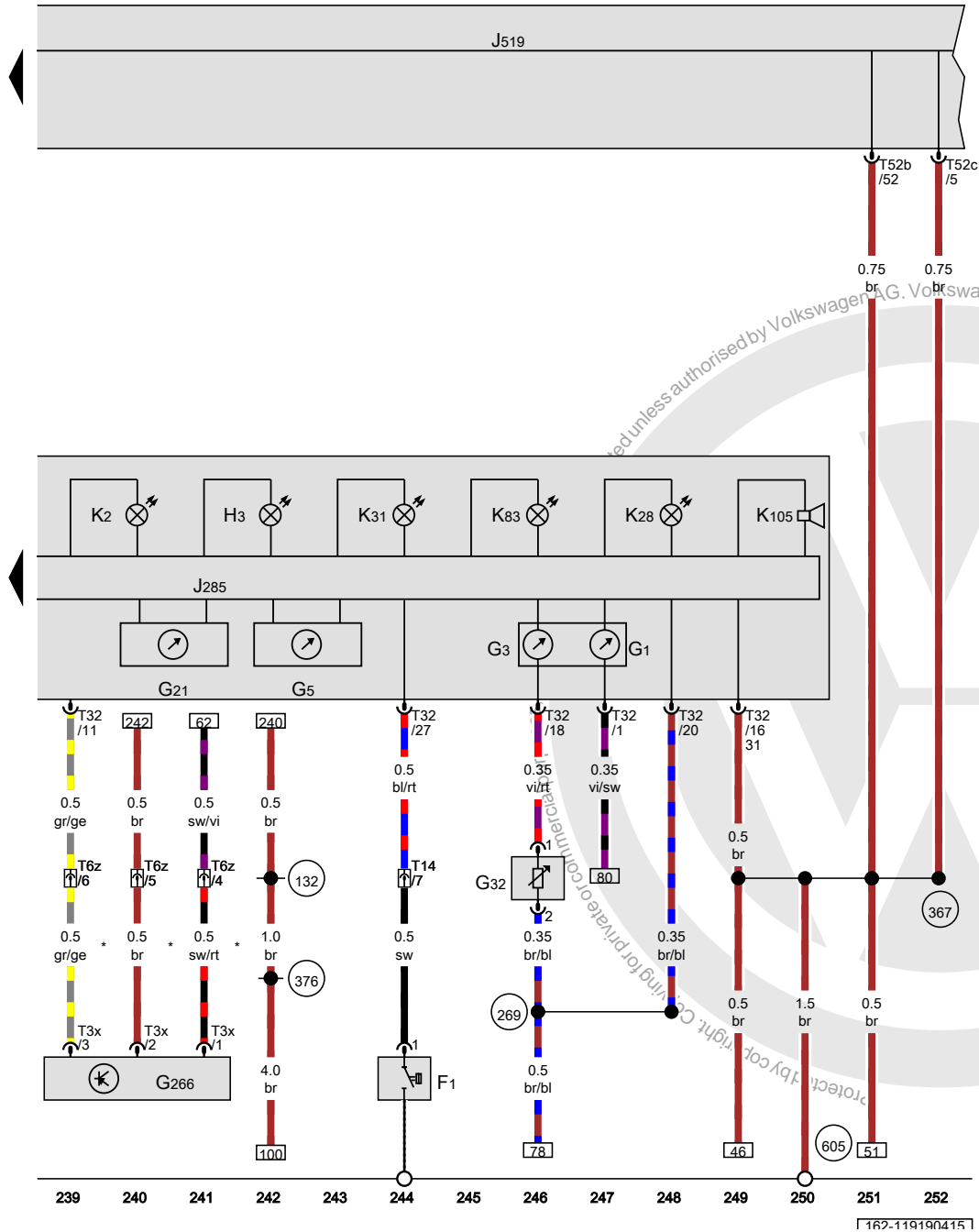
- J104 ABS control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K3 Oil pressure warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector, near lower part of left A-pillar
- T20 20-pin connector
- T32 32-pin connector
- T47 47-pin connector
- T52c 52-pin connector

- 43 Earth point, lower part of right A-pillar
- 60 Earth connection 1, in dash panel wiring harness
- 80 Earth connection 1, in main wiring harness
- 366 Earth connection 1, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B708 Connection 1 (dash panel insert CAN bus high) in main wiring harness
- B709 Connection 1 (dash panel insert CAN bus low) in main wiring harness
- * Diagnostic connection

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Oil pressure switch, Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T3x 3-pin connector
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T52b 52-pin connector
- T52c 52-pin connector



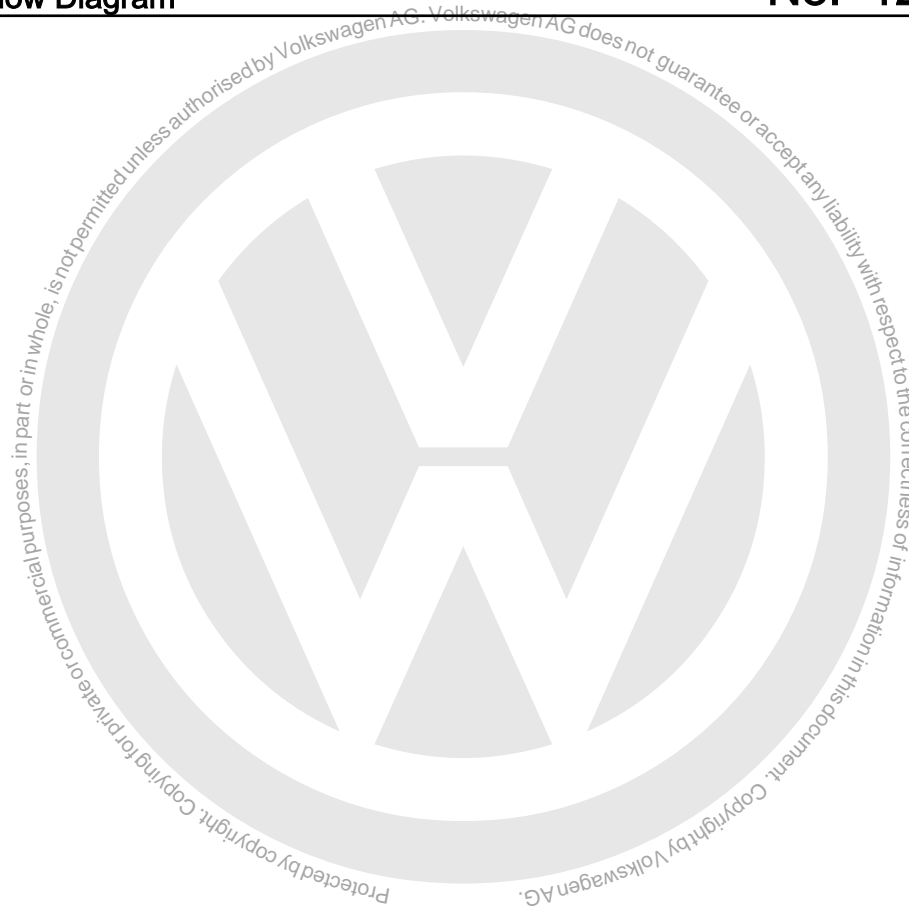
- 132 Earth connection 3, in engine compartment wiring harness
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- * Only models with no flexible service interval display

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-119190415

Airbag systems (US equipment) , (OK0)

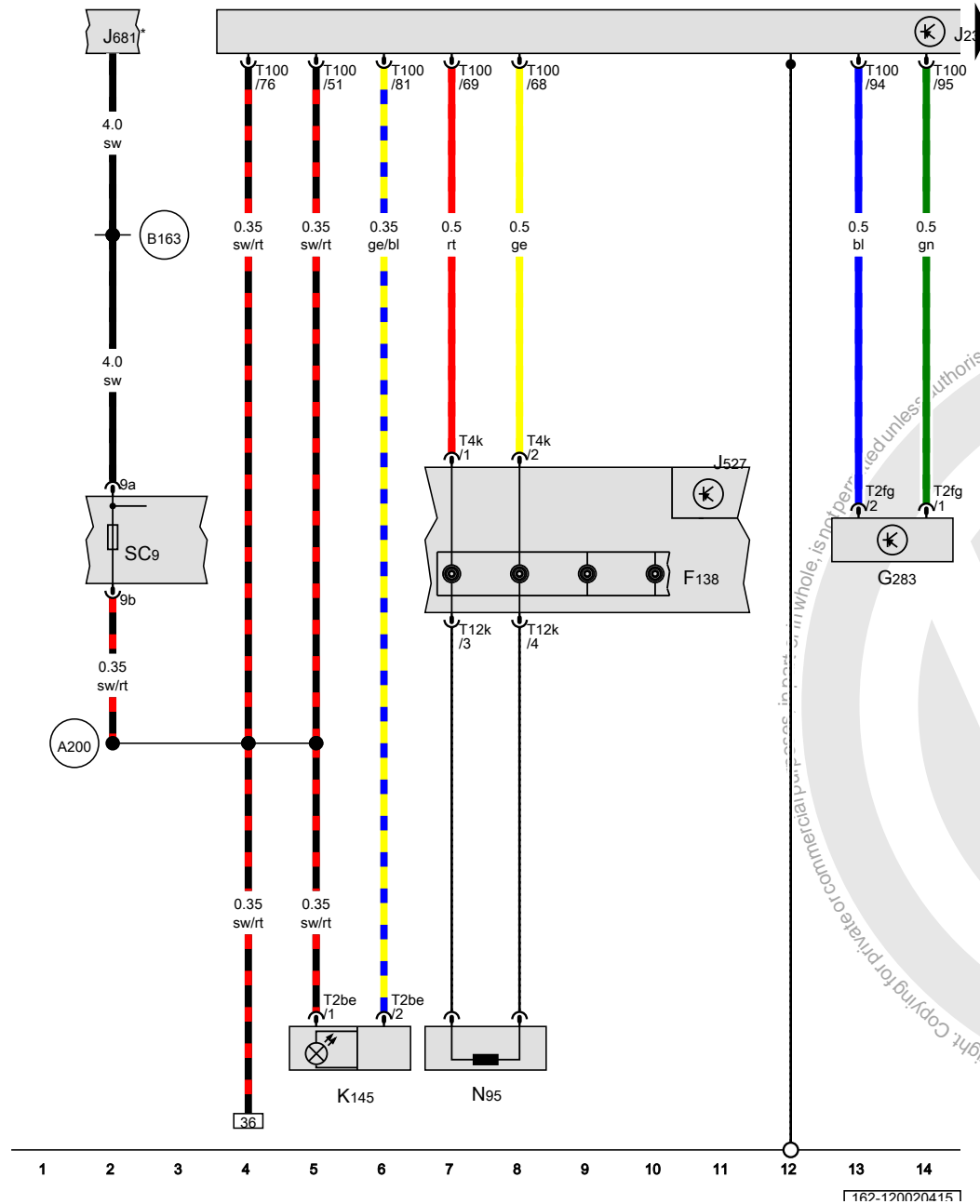
From July 2013



Airbag coil connector and return ring with slip ring, Front airbag crash sensor for driver side, Airbag control unit, Steering column electronics control unit, Front passenger side airbag deactivated warning lamp, Driver side airbag igniter

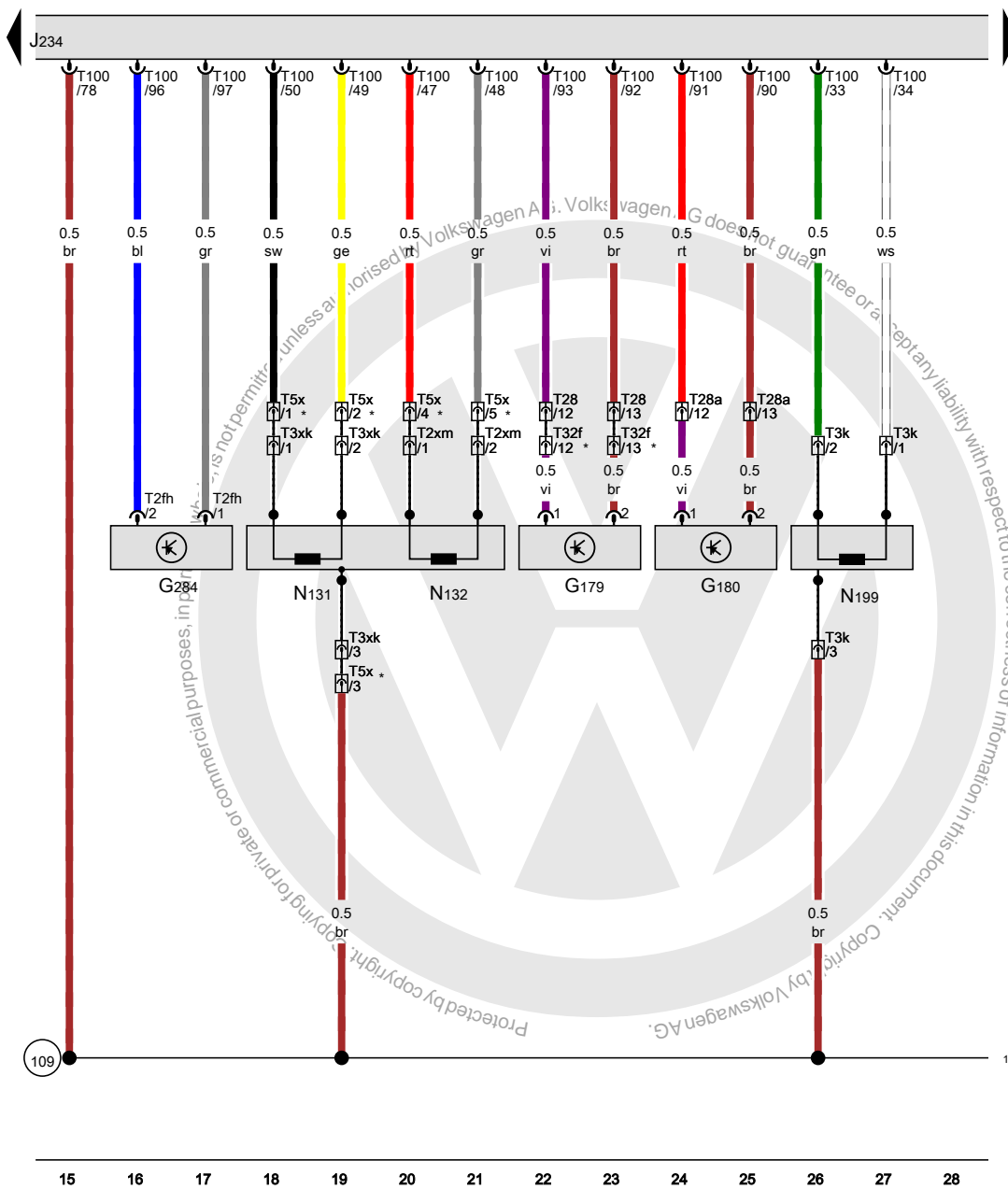
- F138 Airbag coil connector and return ring with slip ring
- G283 Front airbag crash sensor for driver side
- J234 Airbag control unit
- J527 Steering column electronics control unit
- J681 Terminal 15 voltage supply relay 2
- K145 Front passenger side airbag deactivated warning lamp
- N95 Driver side airbag igniter
- SC9 Fuse 9 on fuse holder C
- T2be 2-pin connector
- T2fg 2-pin connector
- T4k 4-pin connector
- T9f 9-pin connector
- T12k 12-pin connector
- T100 100-pin connector

- (A200) Positive connection 5 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- * see applicable current flow diagram for basic equipment



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-120020415



Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for front passenger side, Airbag control unit, Front passenger side airbag igniter 1, Front passenger side airbag igniter 2

- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- G284 Front airbag crash sensor for front passenger side
- J234 Airbag control unit
- N131 Front passenger side airbag igniter 1
- N132 Front passenger side airbag igniter 2
- N199 Side airbag igniter on driver side
- T2fh 2-pin connector
- T2xm 2-pin connector
- T3k 3-pin connector, under driver seat
- T3xk 3-pin connector
- T5x 5-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- T32f 32-pin connector
- T100 100-pin connector

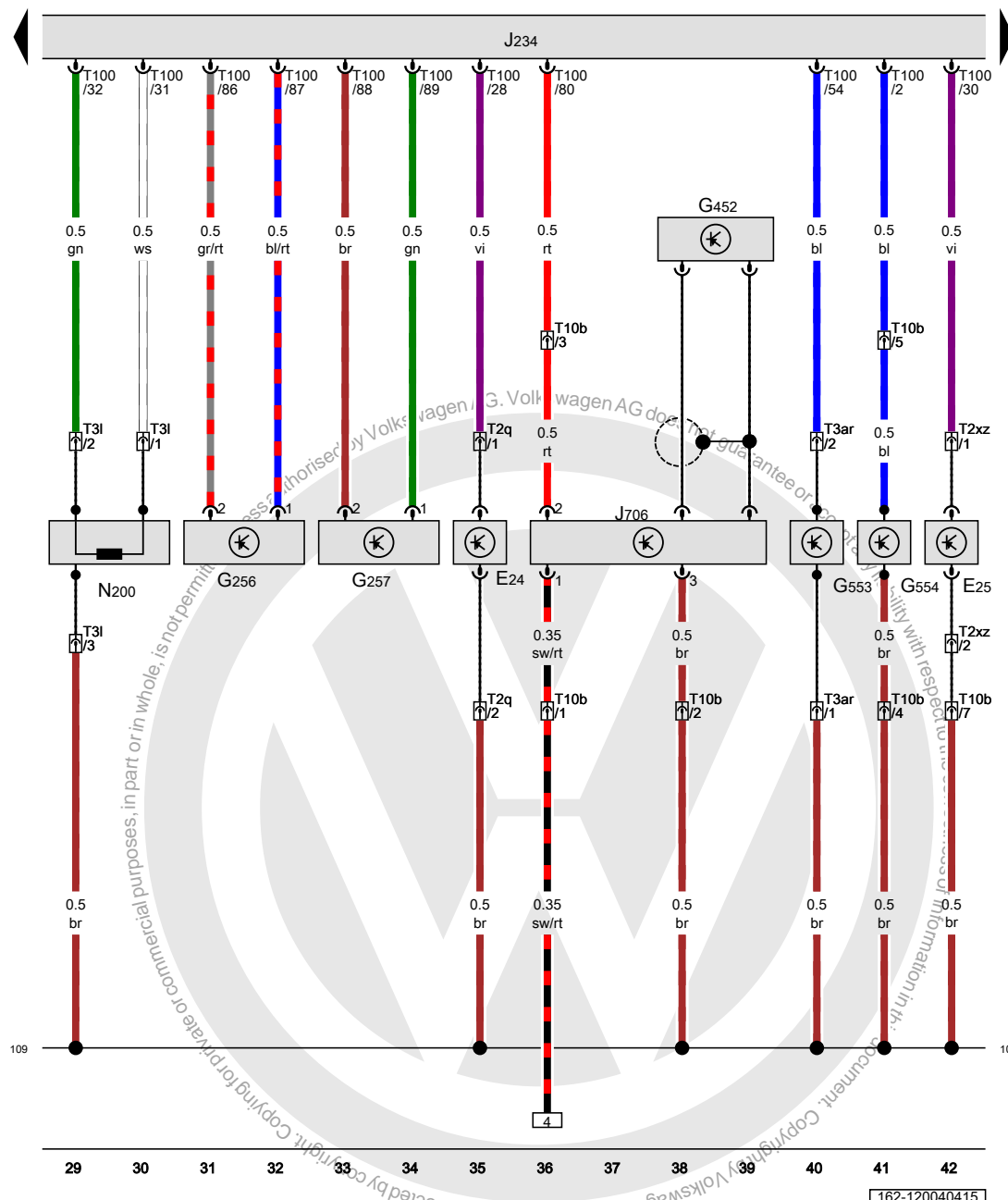
109 Earth connection, in airbag wiring harness

* According to equipment

- ws = white
- bl = blue
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

162-120030415

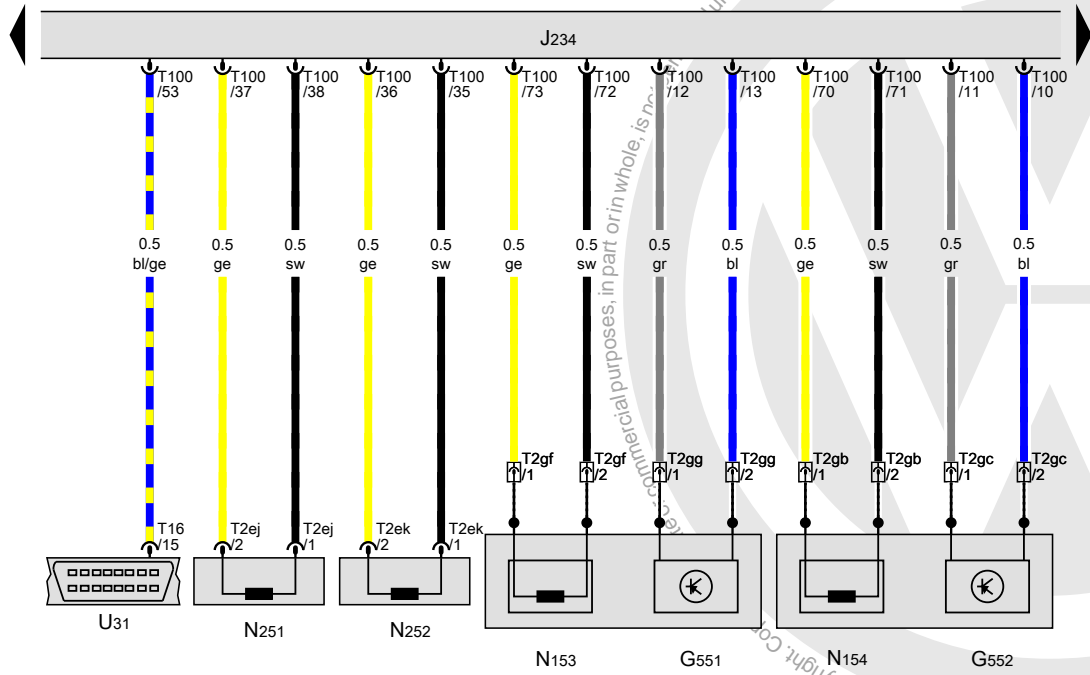


Driver side belt switch, Front passenger side belt switch, Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on front passenger side, Pressure sensor for seat occupied recognition, Driver side seat position sensor, Front passenger side seat position sensor, Airbag control unit, Seat occupied recognition control unit, Side airbag igniter on front passenger side

- E24 Driver side belt switch
- E25 Front passenger side belt switch
- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on front passenger side
- G452 Pressure sensor for seat occupied recognition
- G553 Driver side seat position sensor
- G554 Front passenger side seat position sensor
- J234 Airbag control unit
- J706 Seat occupied recognition control unit
- N200 Side airbag igniter on front passenger side
- T2q 2-pin connector, under driver seat
- T2xz 2-pin connector, under front passenger seat
- T3ar 3-pin connector
- T31 3-pin connector, under front passenger seat
- T10b 10-pin connector
- T100 100-pin connector

109 Earth connection, in airbag wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver side belt force limiter, Front passenger side belt force limiter, Airbag control unit, Driver seat belt tensioner igniter 1, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- G551 Driver side belt force limiter
- G552 Front passenger side belt force limiter
- J234 Airbag control unit
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ej 2-pin connector
- T2ek 2-pin connector
- T2gb 2-pin connector
- T2gc 2-pin connector
- T2gf 2-pin connector
- T2gg 2-pin connector
- T16 16-pin connector
- T100 100-pin connector
- U31 Diagnostic connection

109 Earth connection, in airbag wiring harness

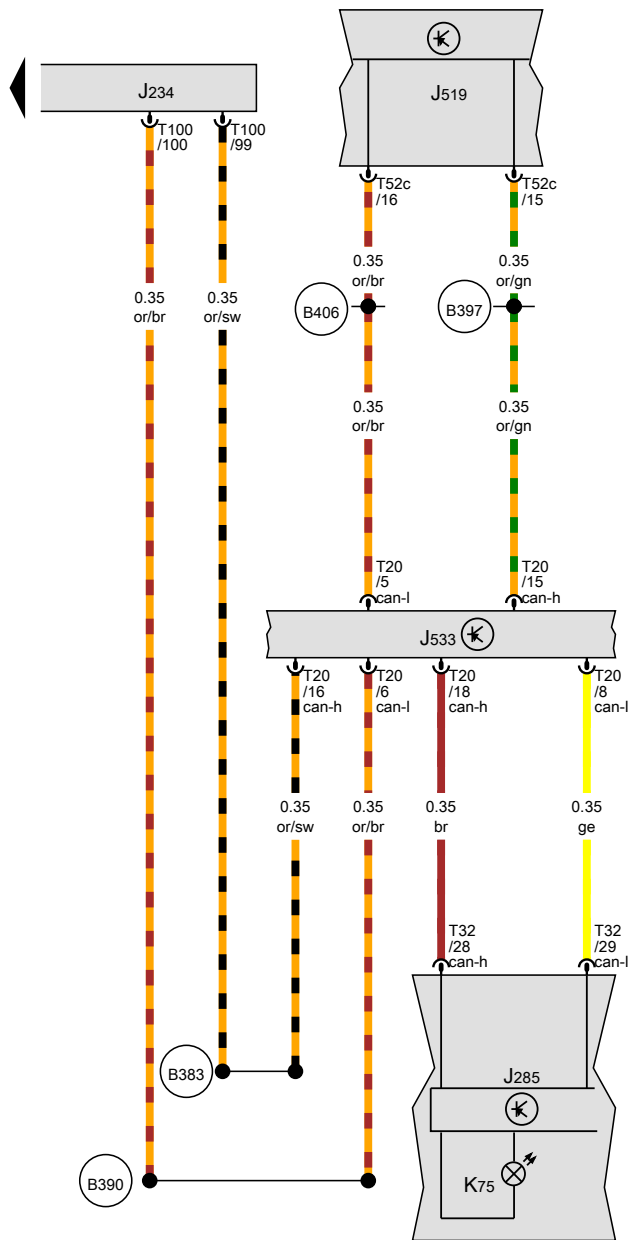
* According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

109 _____

43 44 45 46 47 48 49 50 51 52 53 54 55 56

[162-120050415]



Airbag control unit, Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface, Airbag warning lamp

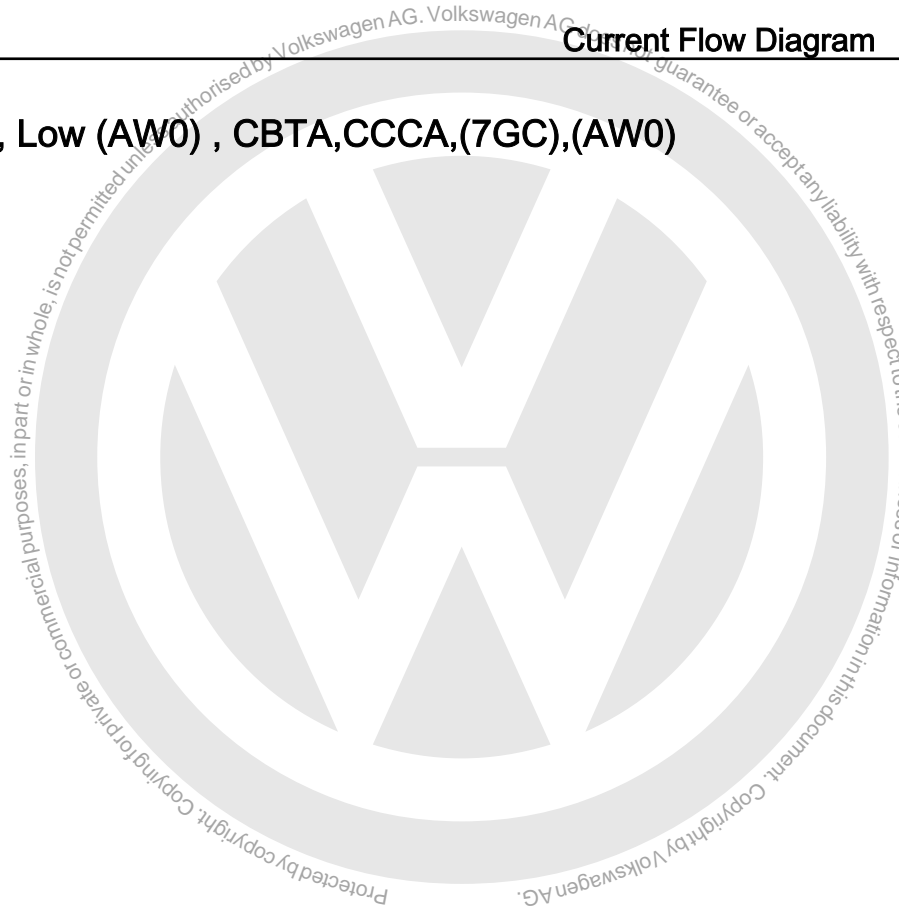
- J234 Airbag control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K75 Airbag warning lamp
- T20 20-pin connector
- T32 32-pin connector
- T52c 52-pin connector
- T100 100-pin connector

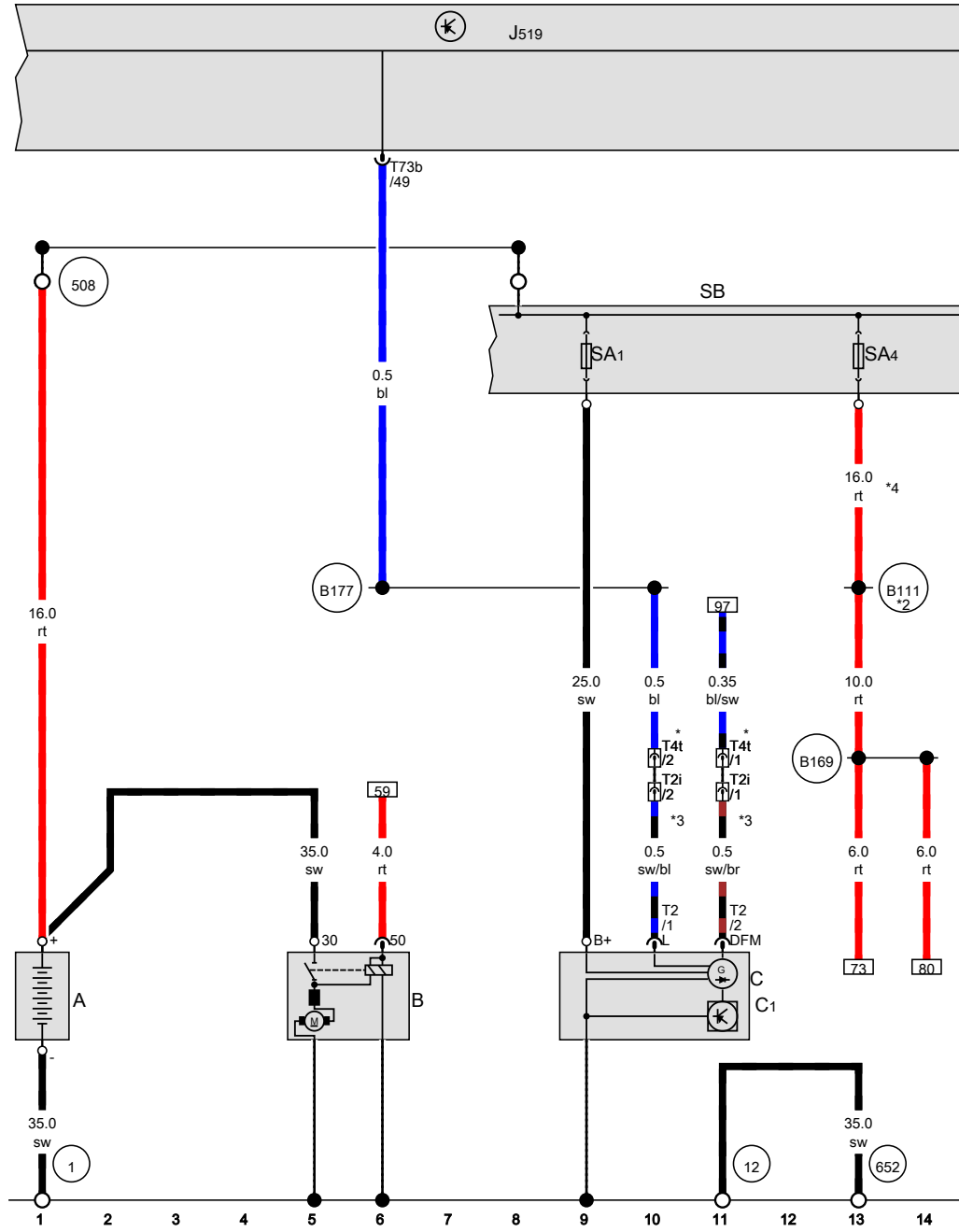
- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397** Connection 1 (convenience CAN bus, high), in main wiring harness
- B406** Connection 1 (convenience CAN bus, low), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

2.5l petrol engine, Low (AW0) , CBTA,CCCA,(7GC),(AW0)

From April 2010





Battery, Starter, Alternator, Onboard supply control unit, Fuse holder B

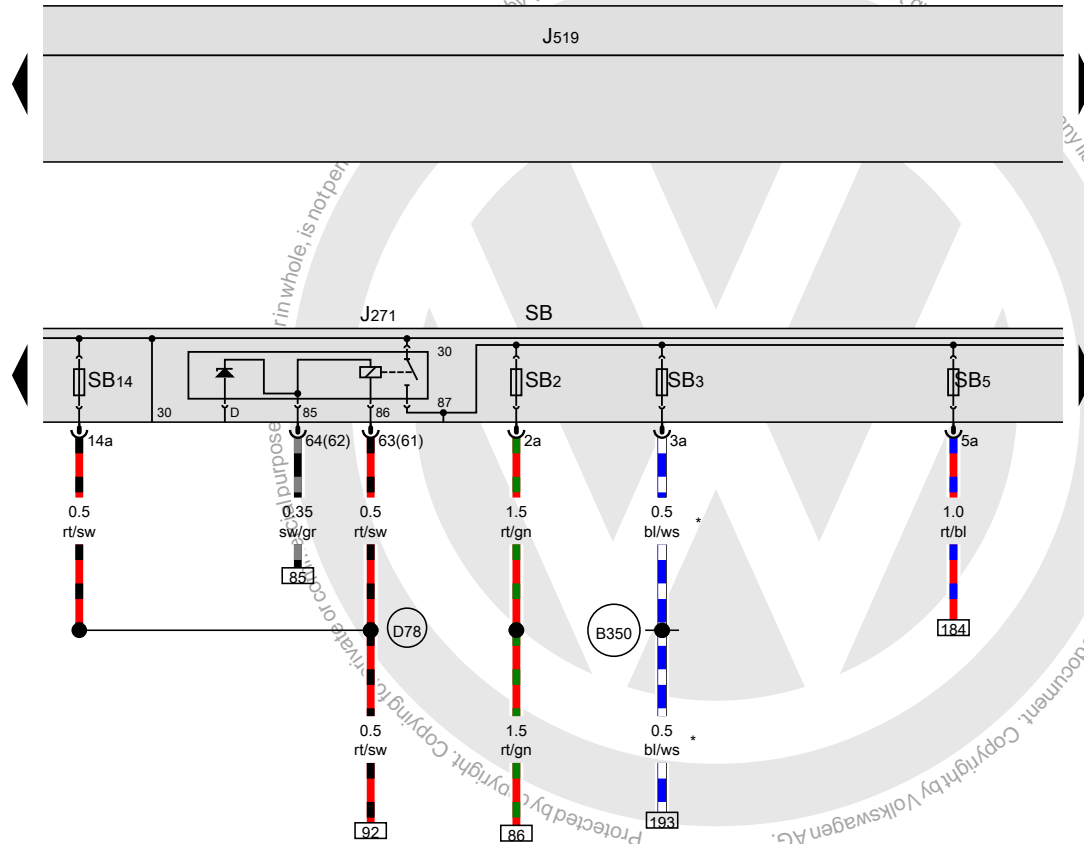
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB Fuse holder B
- T2 2-pin connector
- T2i 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B177 Connection (61), in interior wiring harness

- * Only models with air conditioning system
- *2 Gradually discontinued
- *3 Only models with no air conditioning system
- *4 Cross section depends on equipment
- *5 Only models with automatic gearbox

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-121021015



Main relay, Onboard supply control unit, Fuse holder B, Fuse 14 on fuse holder B

- J271 Main relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB14 Fuse 14 on fuse holder B

- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

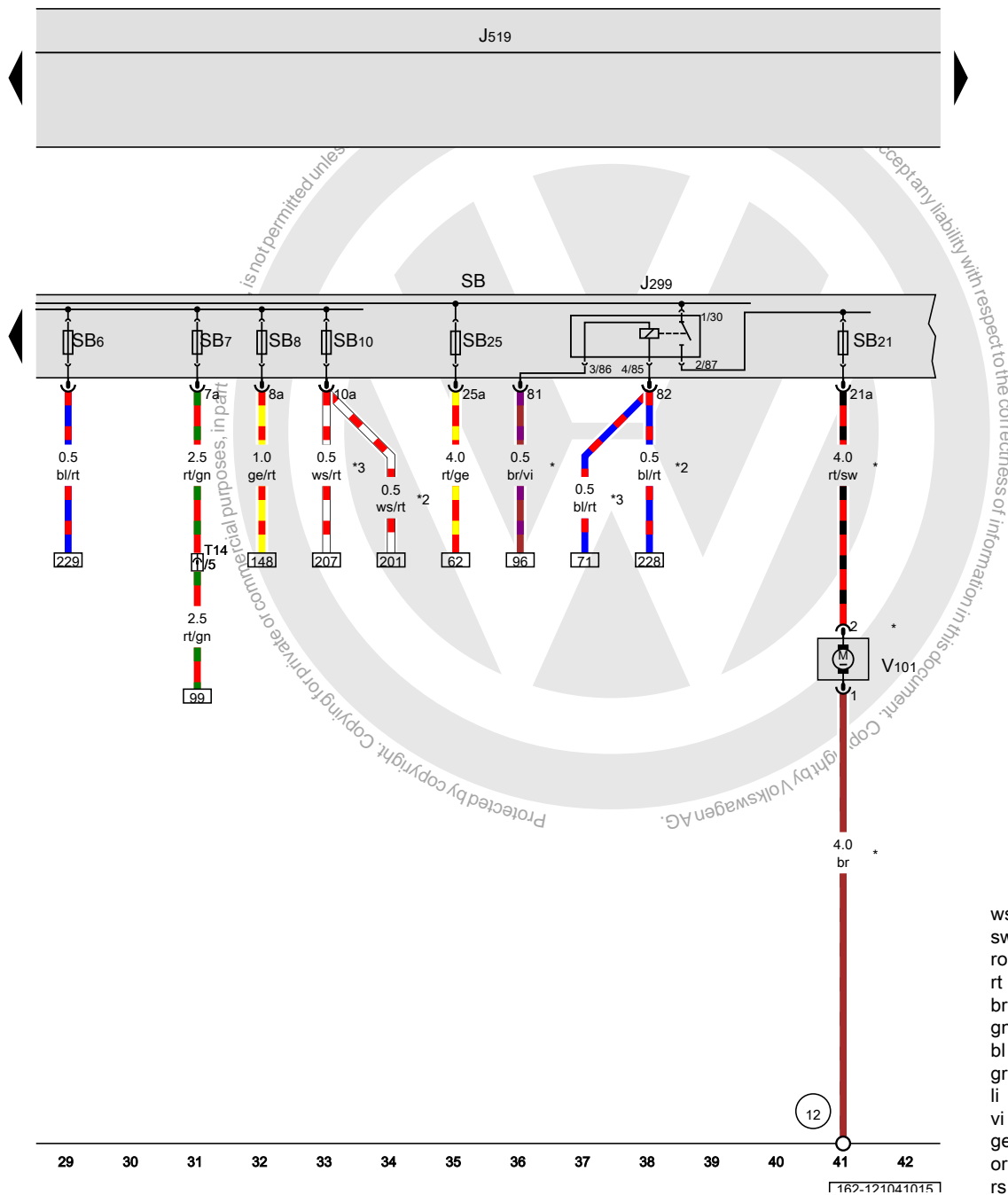
[162-121031015]

Secondary air pump relay, Onboard supply control unit, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- T14 14-pin connector, near battery
- V101 Secondary air pump motor

12 Earth point, on left in engine compartment

- * According to equipment
- *2 gradual introduction
- *3 Gradually discontinued

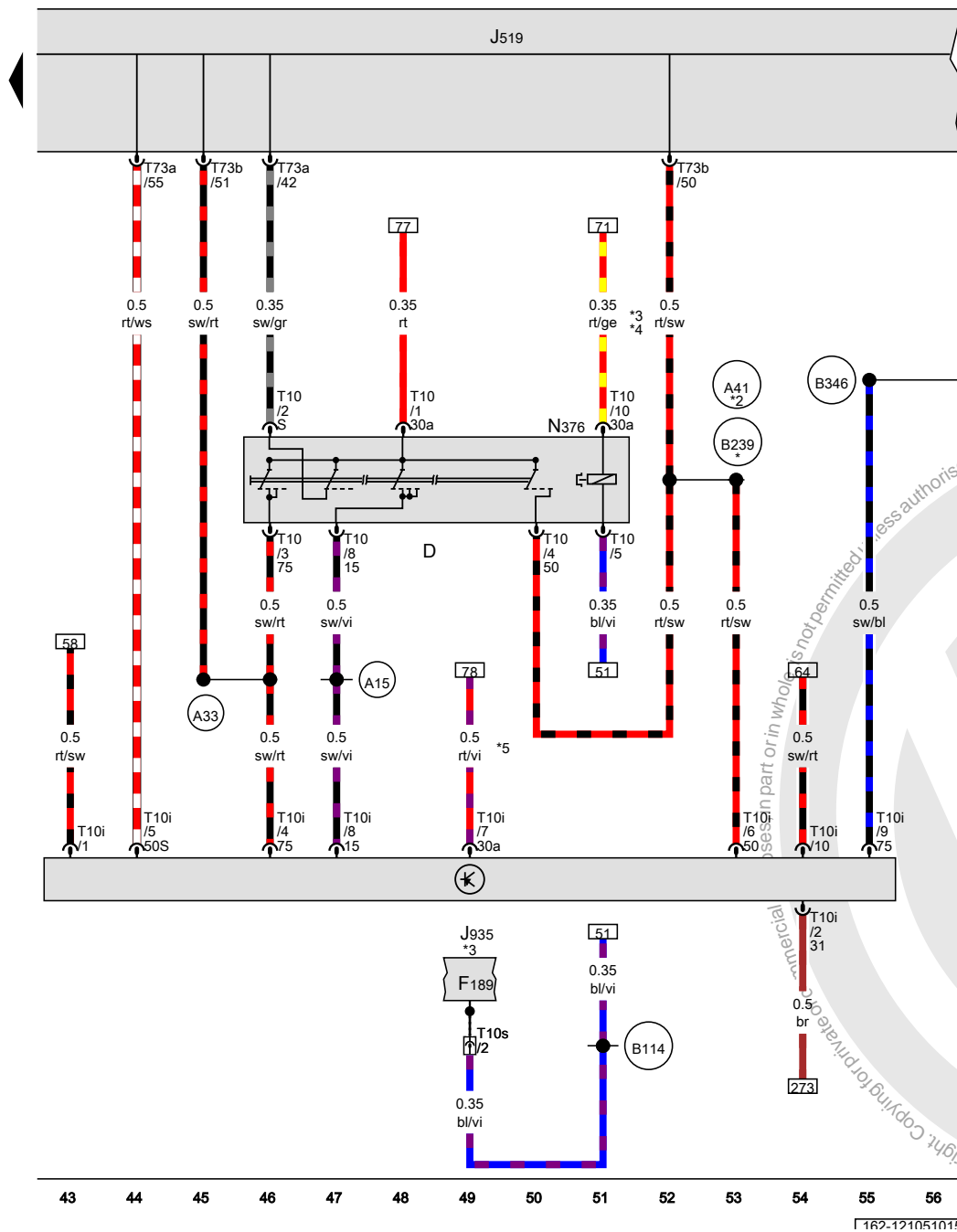


Ignition/starter switch, Onboard supply control unit, Converter box

- D Ignition/starter switch
- F189 Tiptronic switch
- J519 Onboard supply control unit
- J935 Converter box
- N376 Ignition key withdrawal lock solenoid
- T10 10-pin connector
- T10i 10-pin connector
- T10s 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

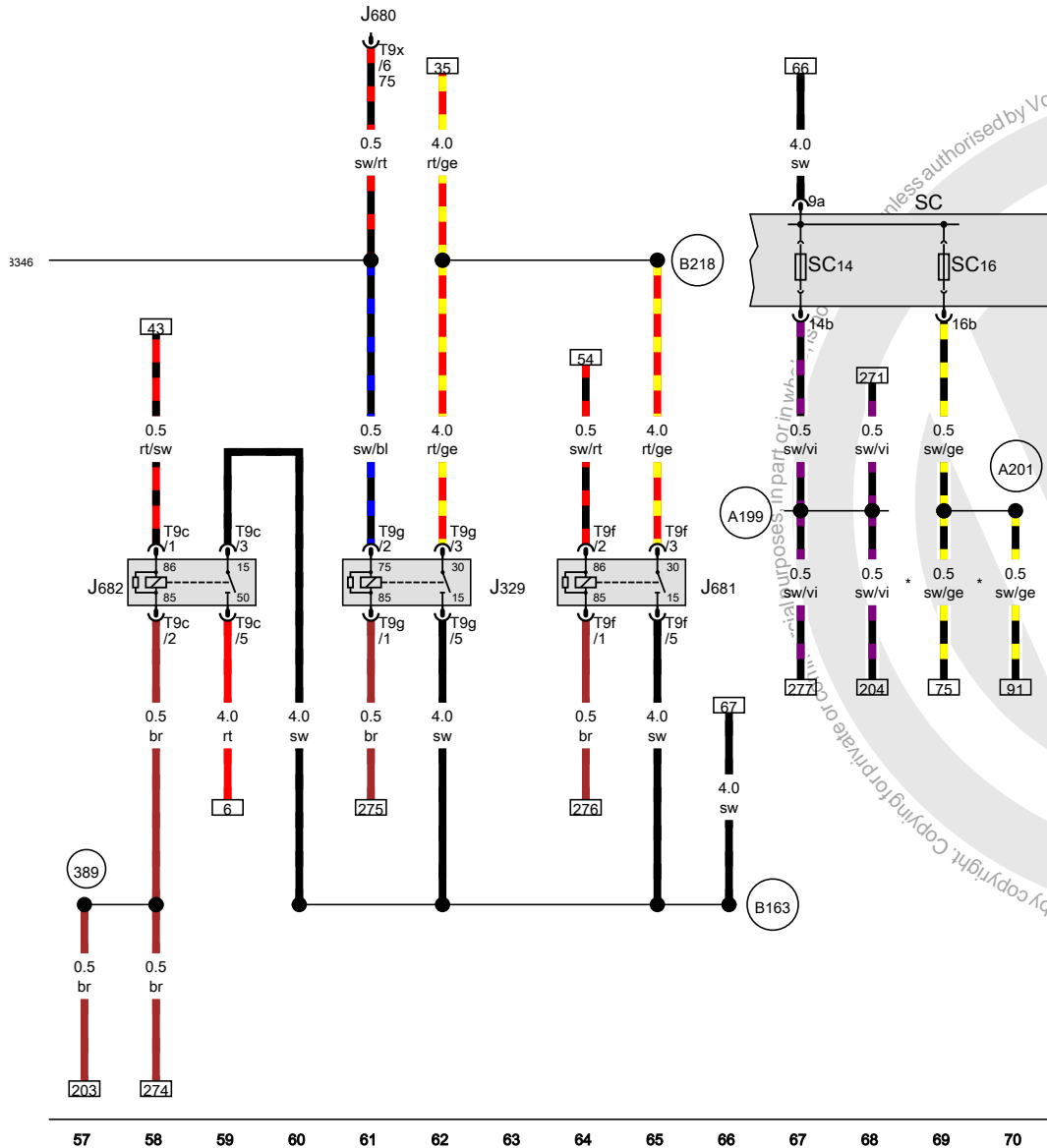
- A15 Positive connection (15), in instrument wiring harness
- A33 Connection (75), in dash panel wiring harness
- A41 Positive connection (50), in dash panel wiring harness
- B114 Connection (inhibitor switch), in interior wiring harness
- B239 Positive connection 1 (50), in interior wiring harness
- B346 Connection 1 (75), in main wiring harness
- * Up to May 2013
- *2 From June 2013
- *3 Only models with automatic gearbox
- *4 Cross section depends on equipment
- *5 Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



162-121051015

Terminal 15 voltage supply relay, Terminal 15 voltage supply relay 2, Terminal 50 voltage supply relay, Fuse holder C

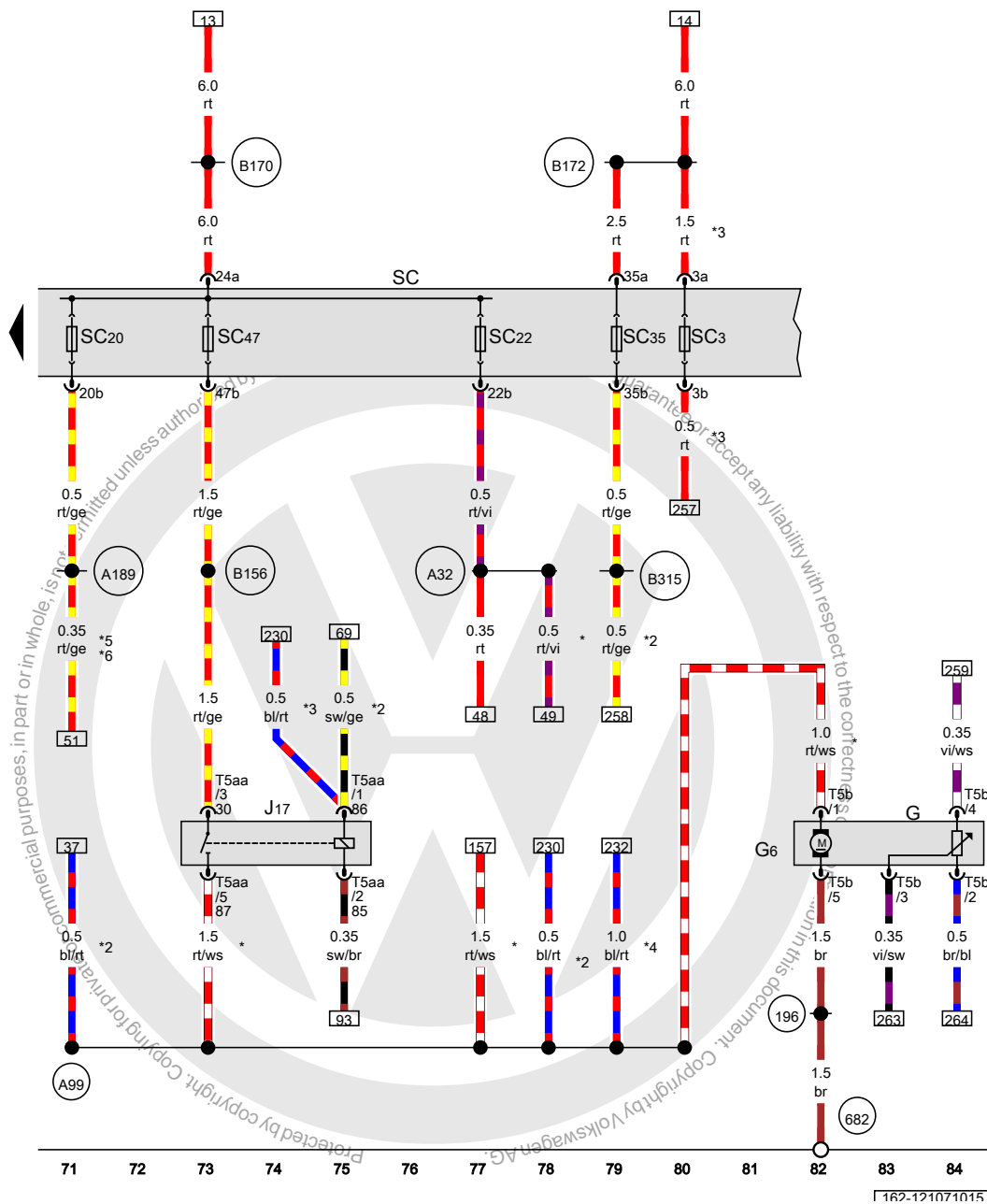


- J329 Terminal 15 voltage supply relay
- J680 Terminal 75 voltage supply relay 1
- J681 Terminal 15 voltage supply relay 2
- J682 Terminal 50 voltage supply relay
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T9c 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T9x 9-pin connector

- (389) Earth connection 24, in main wiring harness
- (A199) Positive connection 4 (15a) in dash panel wiring harness
- (A201) Positive connection 6 (15a) in dash panel wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (B218) Positive connection 6 (30), in interior wiring harness
- (B346) Connection 1 (75), in main wiring harness
- * Gradually discontinued

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuse holder C



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- T5aa 5-pin connector
- T5b 5-pin connector
- 196 Earth connection 3, in rear wiring harness
- 682 Earth point 2, in rear right side panel
- A32 Positive connection (30), in dash panel wiring harness
- A99 Connection 1 (87) in dash panel wiring harness
- A189 Positive connection 5 (30a) in dash panel wiring harness
- B156 Positive connection (30a), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B172 Positive connection 4 (30), in interior wiring harness
- B315 Positive connection 1 (30a) in main wiring harness

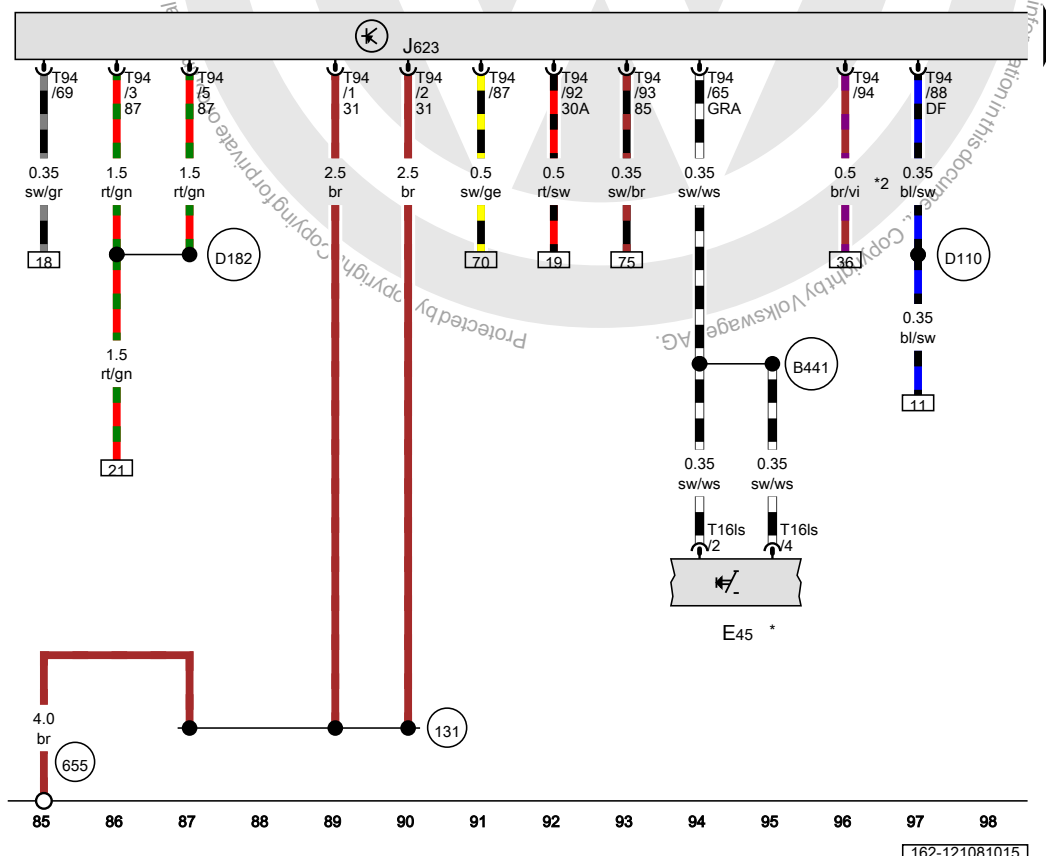
- * Wiring colour depends on equipment
 - *2 Gradually discontinued
 - *3 gradual introduction
 - *4 According to equipment
 - *5 Only models with automatic gearbox
 - *6 Cross section depends on equipment
- ws = white
 - sw = black
 - ro = red
 - rt = red
 - br = brown
 - gn = green
 - bl = blue
 - gr = grey
 - li = purple
 - vi = purple
 - ge = yellow
 - or = orange
 - rs = pink

Engine control unit

- E45 Cruise control system switch
- J623 Engine control unit
- T161s 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B441 Connection (CCS), in main wiring harness
- D110 Connection 8 in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness

* Only models with cruise control system (CCS)
 *2 According to equipment

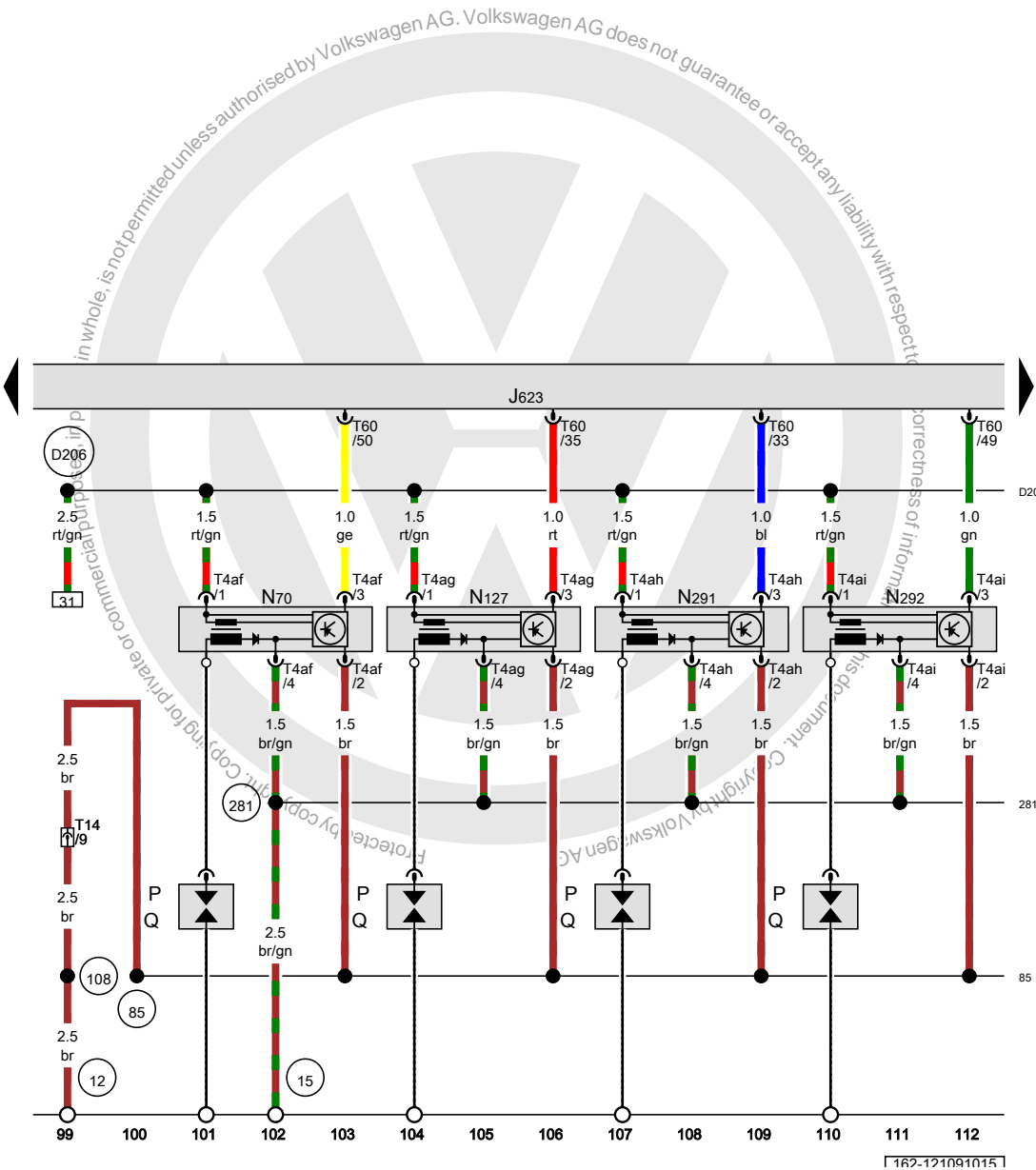


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plugs

- J623 Engine control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T4af 4-pin connector
- T4ag 4-pin connector
- T4ah 4-pin connector
- T4ai 4-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector

- 12 Earth point, on left in engine compartment
- 15 Earth point, on cylinder head
- 85 Earth connection 1, in engine compartment wiring harness
- 108 Earth connection 2, in front left wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness
- * Only for American markets



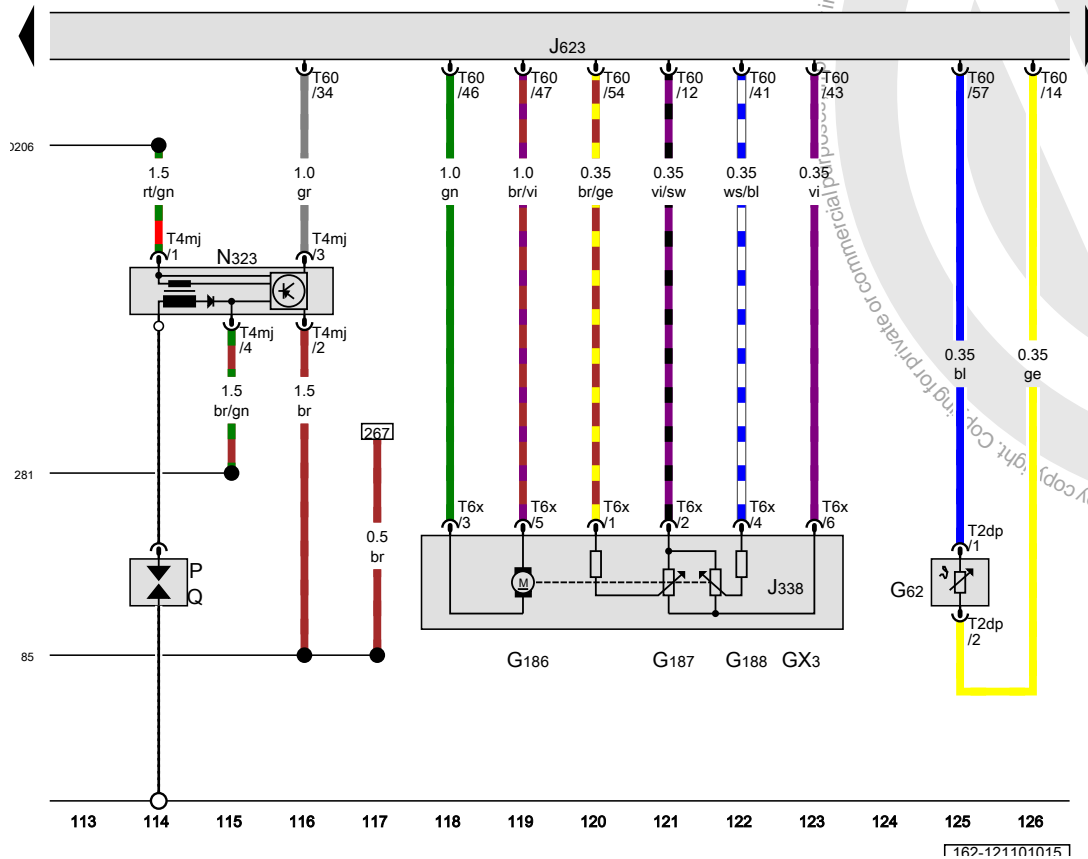
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-121091015

Throttle valve module, Coolant temperature sender, Throttle valve drive for electric throttle, Engine control unit, Ignition coil 5 with output stage, Spark plug connector

- GX3 Throttle valve module
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- N323 Ignition coil 5 with output stage
- P Spark plug connector
- Q Spark plugs
- T2dp 2-pin connector
- T4mj 4-pin connector
- T6x 6-pin connector
- T60 60-pin connector

- 85 Earth connection 1, in engine compartment wiring harness
- 281 Earth point 1, engine prewiring harness
- D206 Connection 4 (87a) in engine prewiring harness



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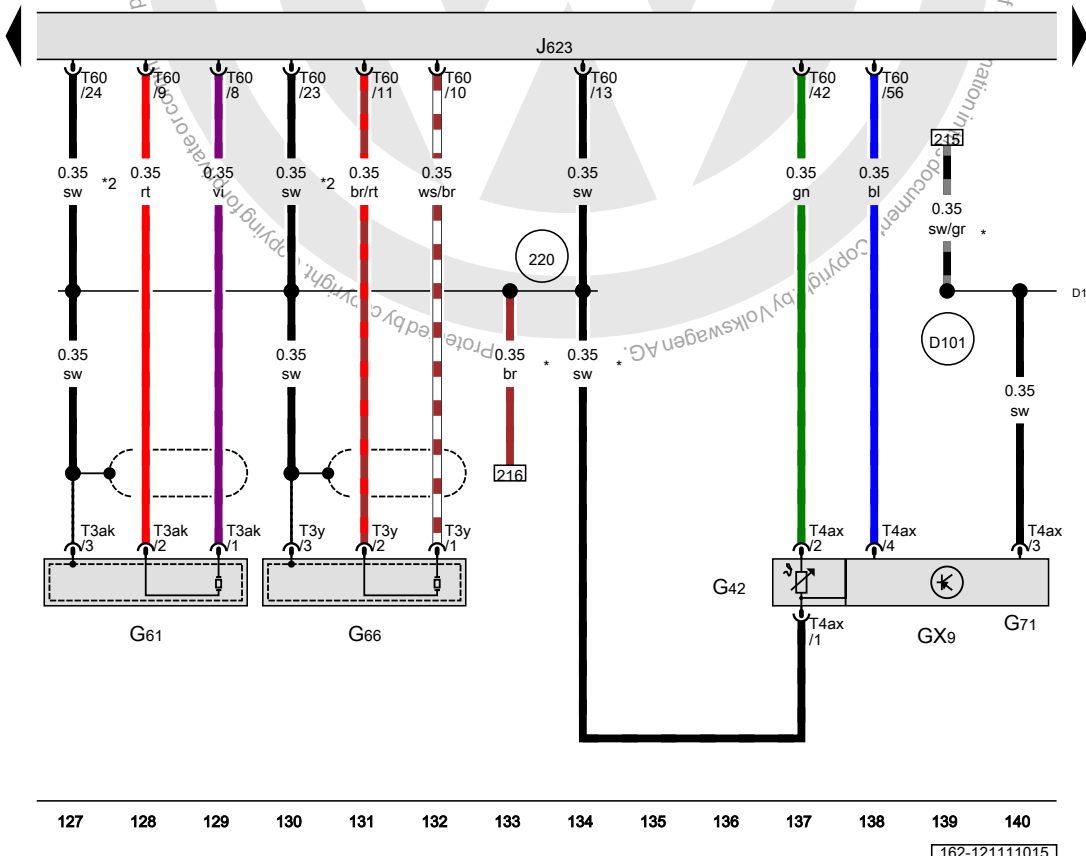
162-121101015

purposes, in part or in whole, is not permitted unless authorised by Volkswagen AG. Volkswagen AG does not guarantee or accept any liability with respect to the correctness of

Intake manifold sender, Intake air temperature sender, Knock sensor 1, Knock sensor 2, Engine control unit

- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G66 Knock sensor 2
- G71 Intake manifold pressure sender
- J623 Engine control unit
- T3ak 3-pin connector
- T3y 3-pin connector
- T4ax 4-pin connector
- T60 60-pin connector

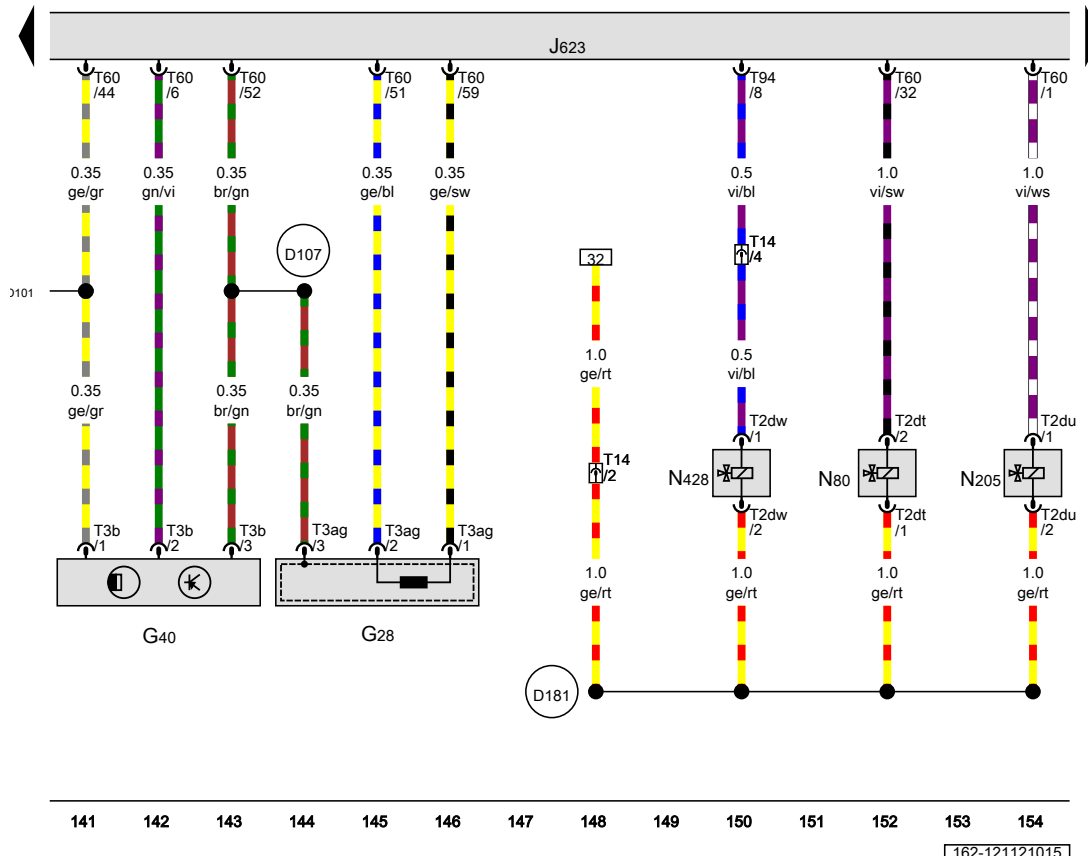
- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness
- * According to equipment
- *2 Estate



- ws = white
- sw = black
- ro = red
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Engine speed sender, Hall sender, Engine control unit, Activated charcoal filter solenoid valve 1, Camshaft control valve 1

- G28 Engine speed sender
- G40 Hall sender
- J623 Engine control unit
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N428 Valve for oil pressure control
- T2dt 2-pin connector
- T2du 2-pin connector
- T2dw 2-pin connector
- T3ag 3-pin connector
- T3b 3-pin connector
- T14 14-pin connector, near battery
- T60 60-pin connector
- T94 94-pin connector



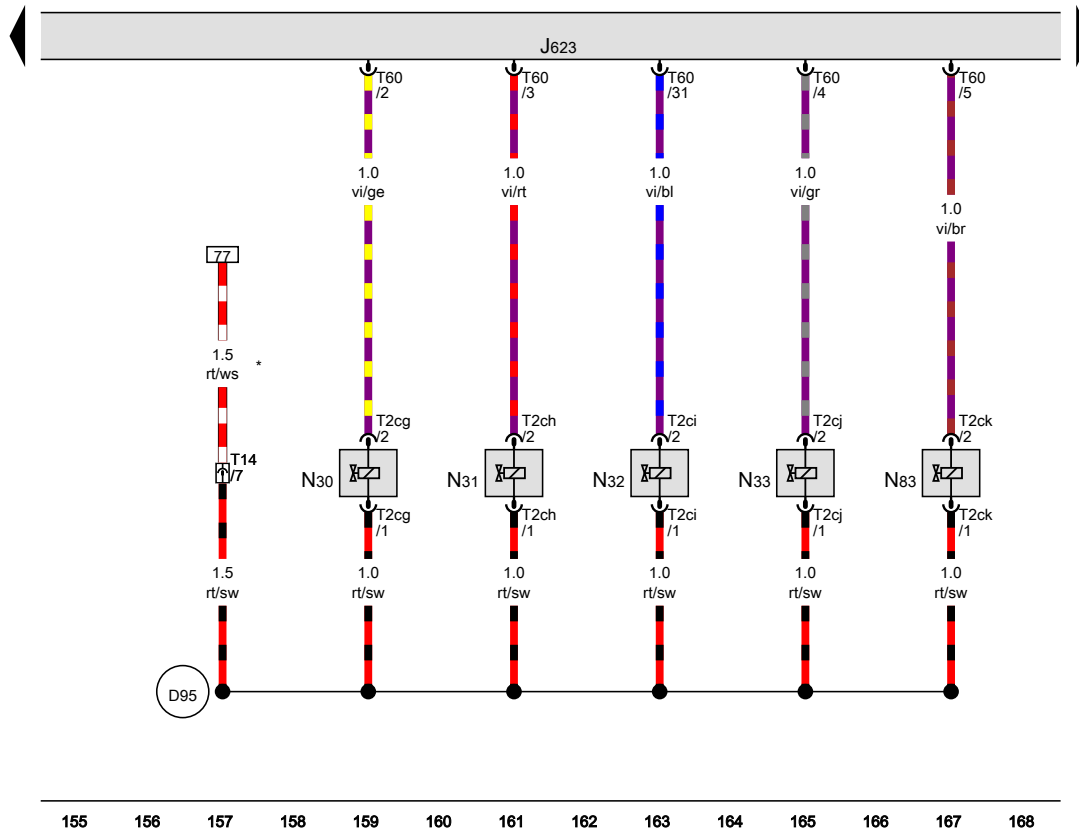
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- vi = purple
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- rs = pink

- D101 Connection 1 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness

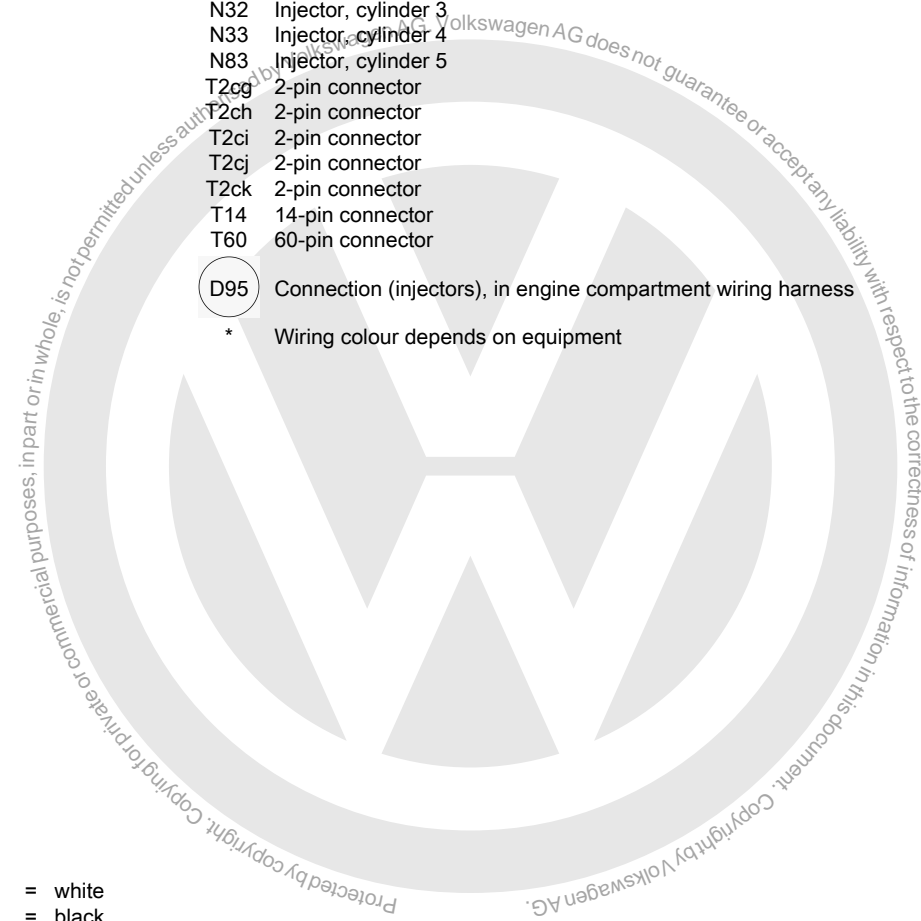
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Injector, cylinder 5

- J623 Engine control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N83 Injector, cylinder 5
- T2cg 2-pin connector
- T2ch 2-pin connector
- T2ci 2-pin connector
- T2cj 2-pin connector
- T2ck 2-pin connector
- T14 14-pin connector
- T60 60-pin connector

- D95 Connection (injectors), in engine compartment wiring harness
- * Wiring colour depends on equipment



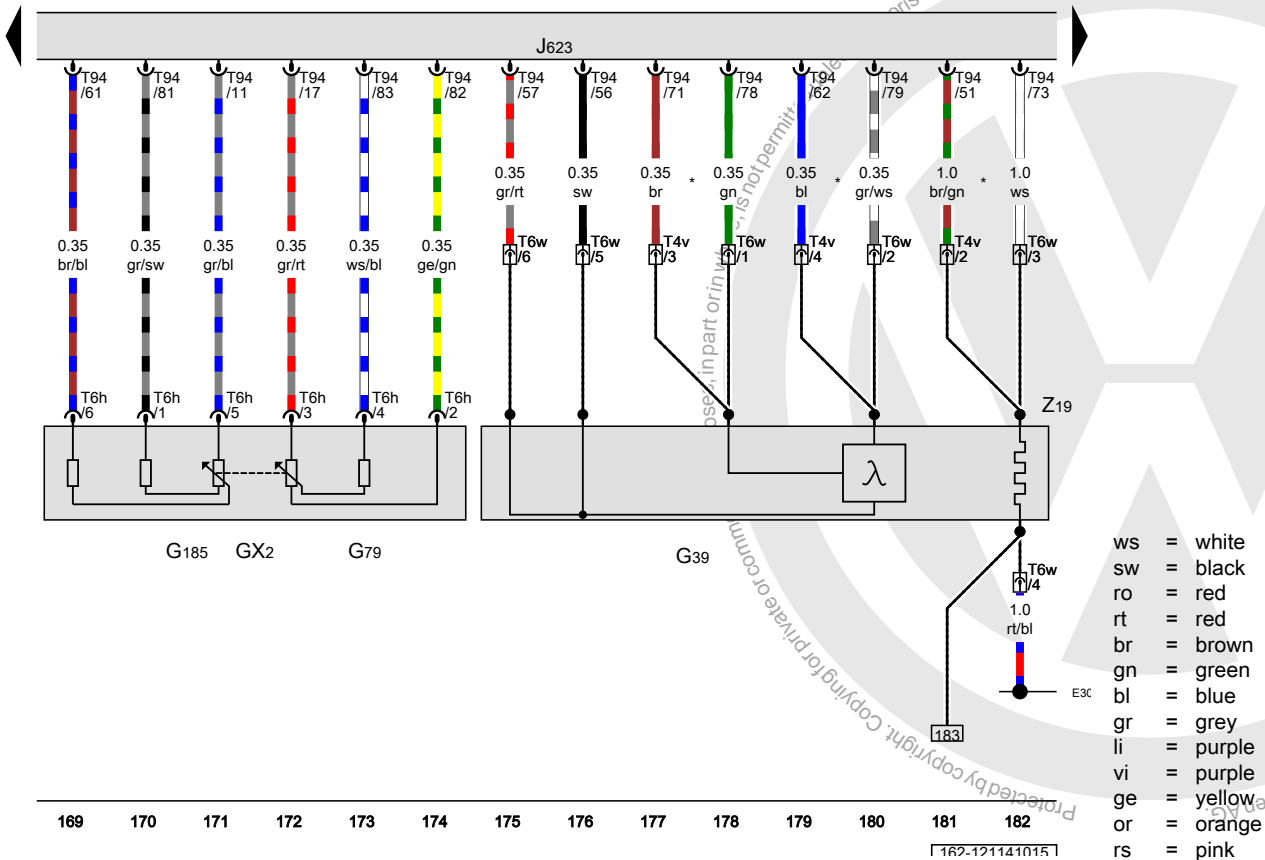
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- rt = red
- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink



162-121131015

Accelerator pedal module, Lambda probe, Accelerator position sender 2, Engine control unit, Lambda probe heater

- GX2 Accelerator pedal module
- G39 Lambda probe
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4v 4-pin connector
- T6h 6-pin connector
- T6w 6-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- E30 Connection (87a), in engine wiring harness
- * According to equipment

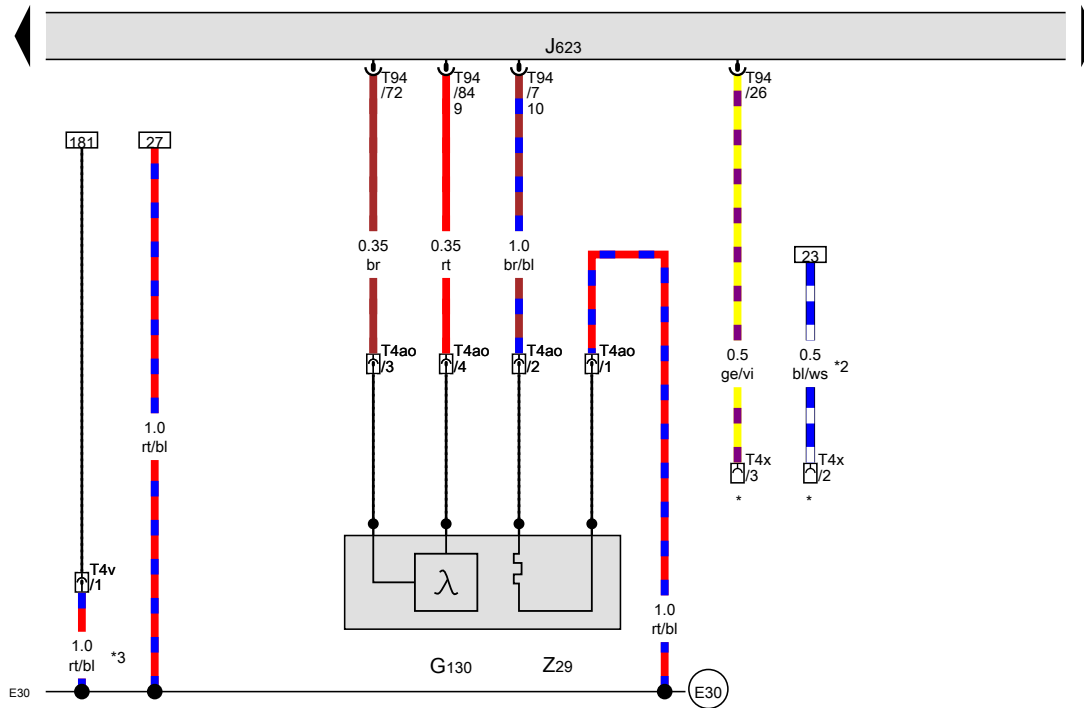


Lambda probe after catalytic converter, Engine control unit, Lambda probe 1 heater after catalytic converter

- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4ao 4-pin connector
- T4v 4-pin connector
- T4x 4-pin connector
- T94 94-pin connector
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

- * Radiator fan connection
- *2 Wiring colour depends on equipment
- *3 According to equipment



- ws = white
- bl = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

183 184 185 186 187 188 189 190 191 192 193 194 195 196

162-121151015

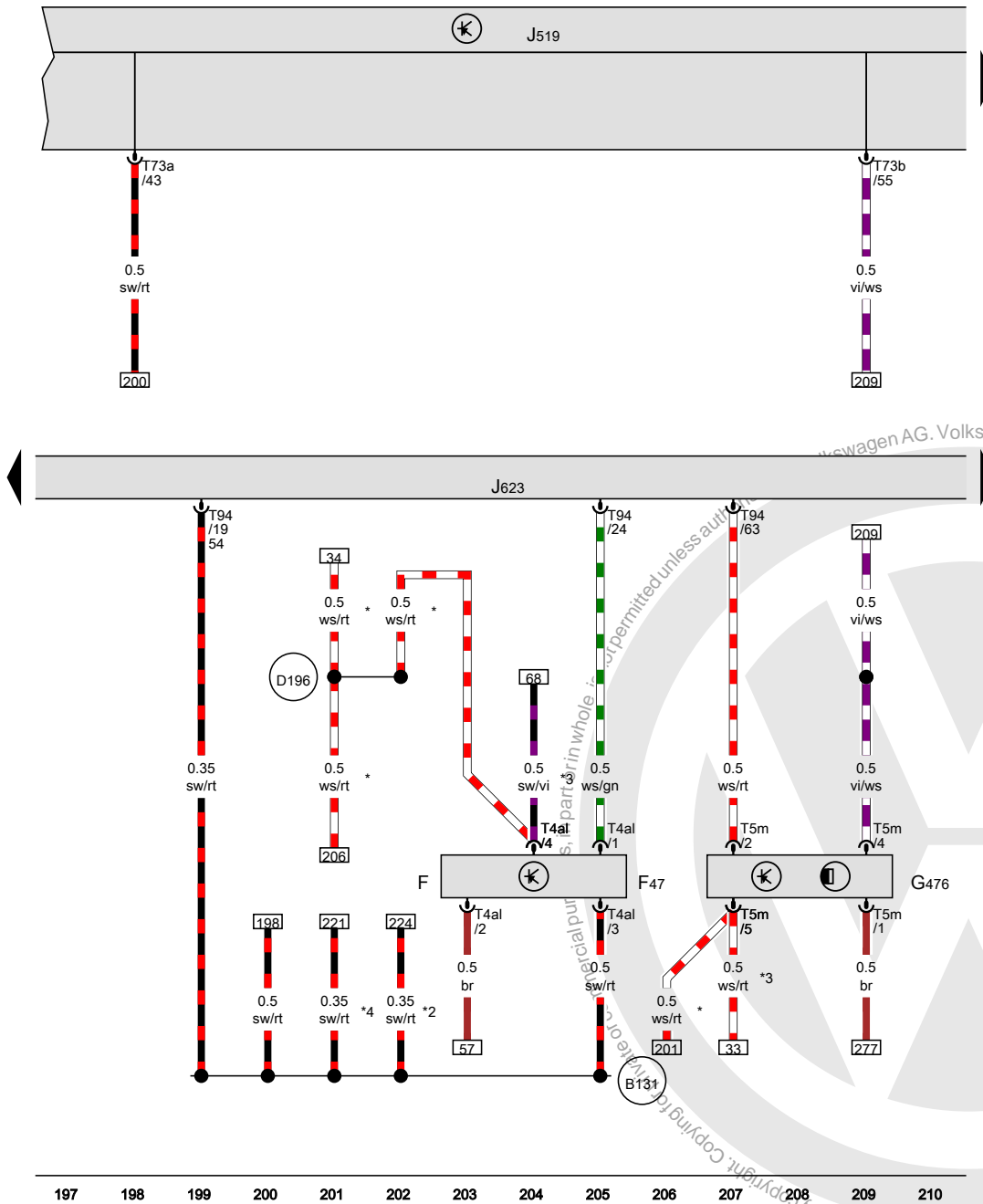
Brake light switch, Brake pedal switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- F47 Brake pedal switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit
- T4al 4-pin connector
- T5m 5-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector

(B131) Connection (54), in interior wiring harness

(D196) Connection 2 (87a) in engine prewiring harness

- * gradual introduction
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Gradually discontinued
- *4 Only models with ABS and no ESP



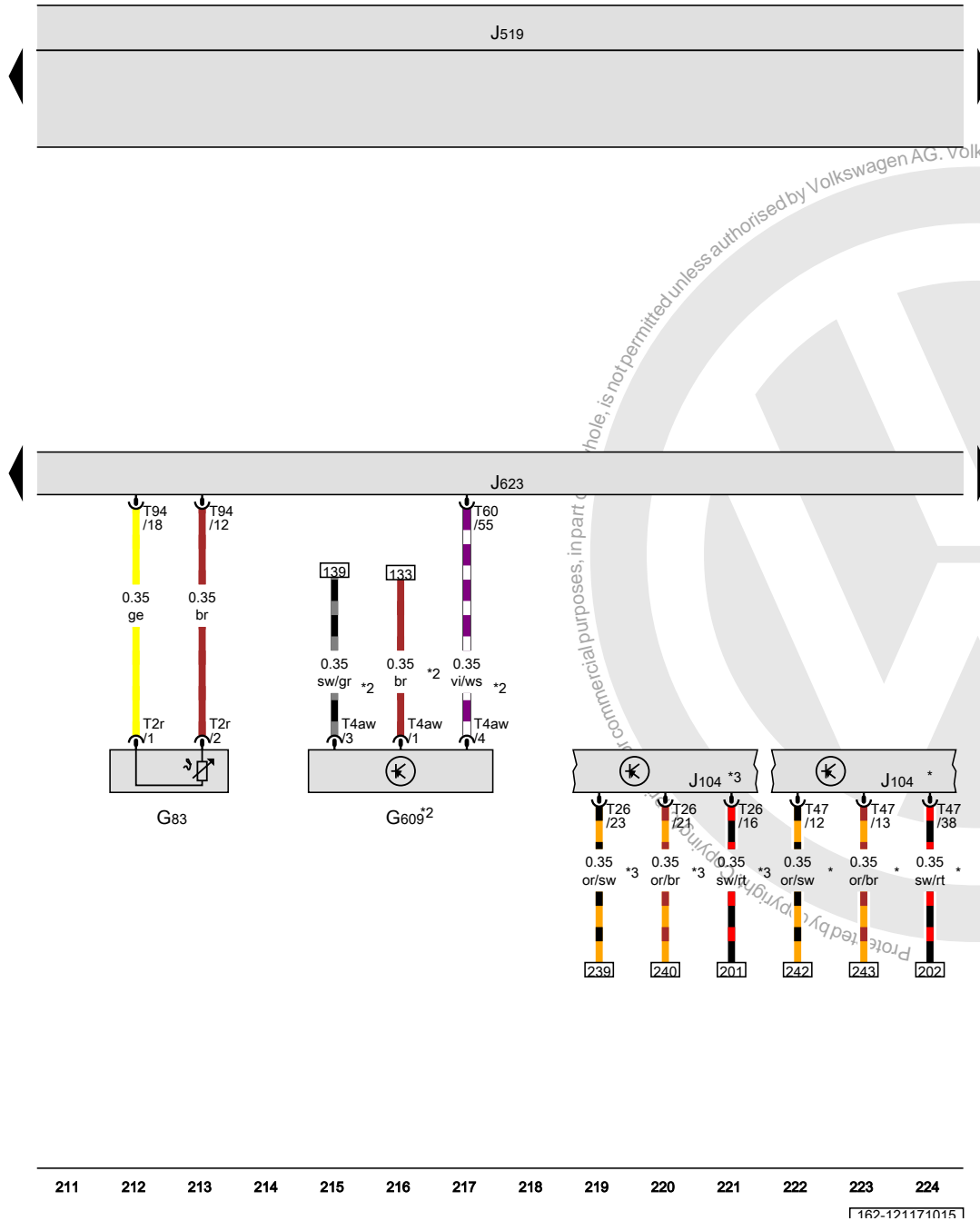
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- rt = red
- br = brown
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- ge = yellow
- or = orange
- rs = pink

197 198 199 200 201 202 203 204 205 206 207 208 209 210

1362-121161015

Radiator outlet coolant temperature sender, Sender 1 for secondary air pressure, Onboard supply control unit, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G609 Sender 1 for secondary air pressure
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T2r 2-pin connector
- T4aw 4-pin connector
- T26 26-pin connector
- T47 47-pin connector
- T60 60-pin connector
- T94 94-pin connector
- * Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *2 According to equipment
- *3 Only models with ABS and no ESP



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- gr = grey
- li = purple
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- ge = yellow
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- rs = pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

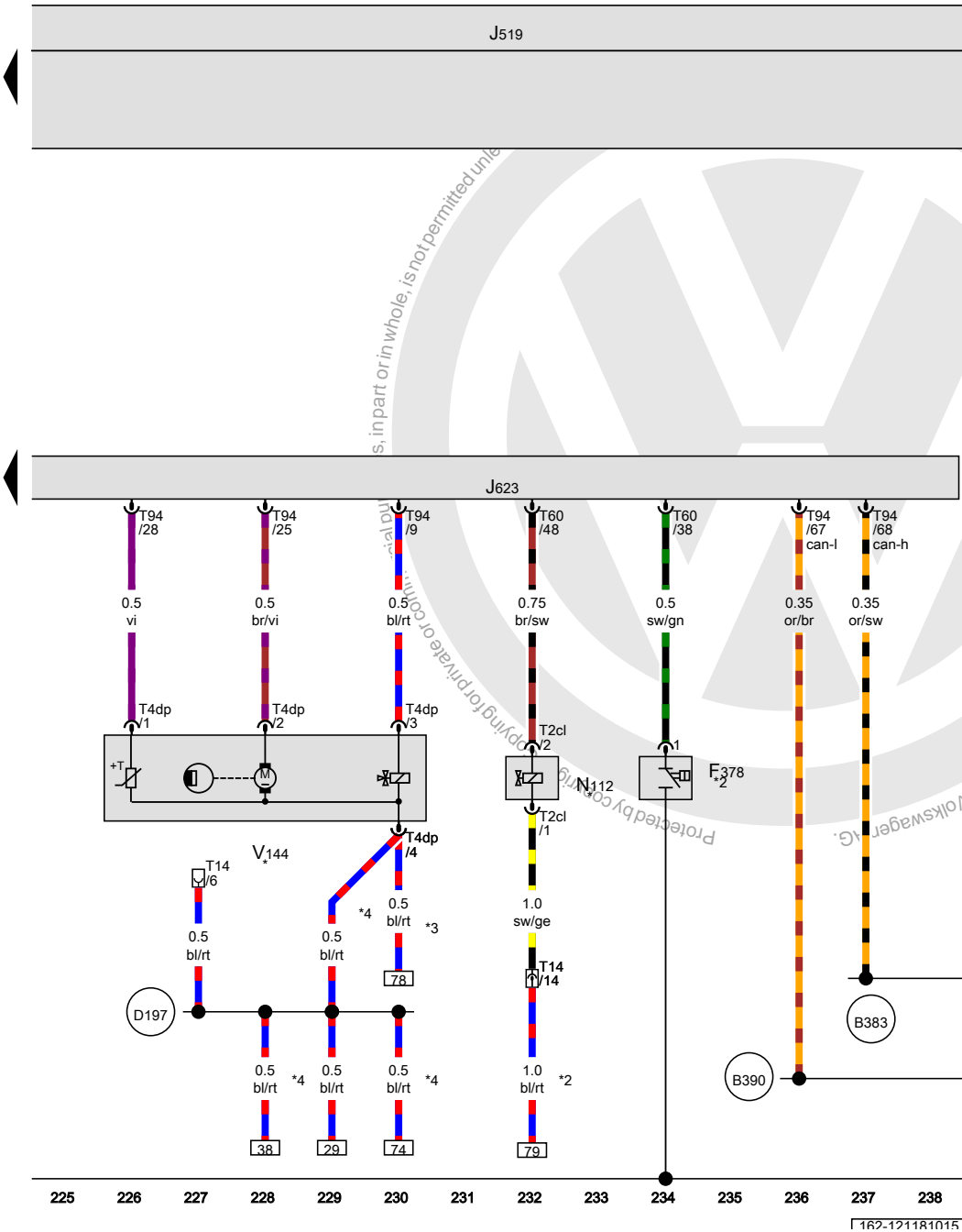
[162-121171015]

Oil pressure switch for reduced oil pressure, Onboard supply control unit, Engine control unit, Secondary air inlet valve, Fuel system diagnostic pump

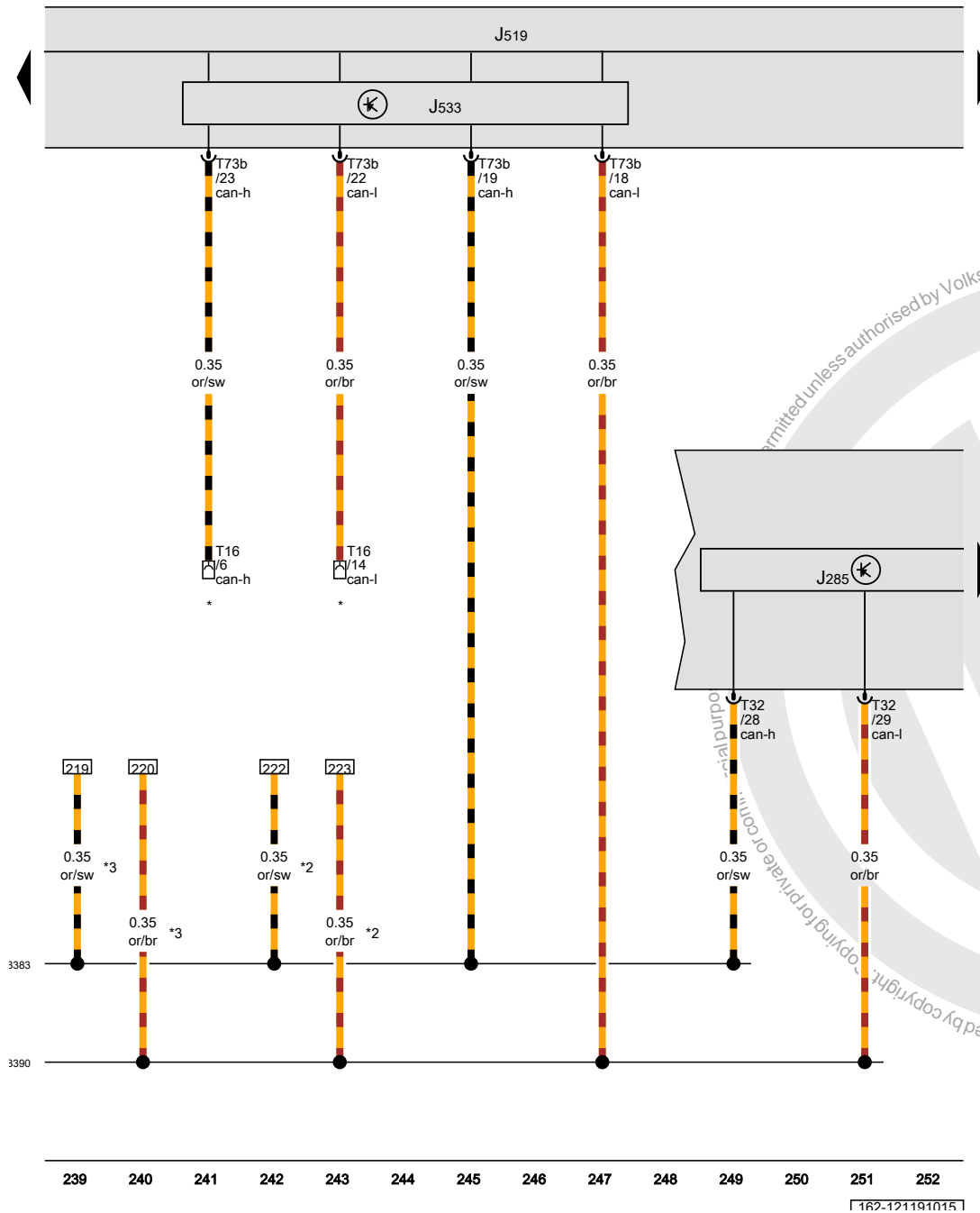
- F378 Oil pressure switch for reduced oil pressure
- J519 Onboard supply control unit
- J623 Engine control unit
- N112 Secondary air inlet valve
- T2cl 2-pin connector
- T4dp 4-pin connector
- T14 14-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V144 Fuel system diagnostic pump

- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- D197** Connection 5 (87a) in engine compartment wiring harness

- * If fitted
- *2 According to equipment
- *3 Gradually discontinued
- *4 gradual introduction



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Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T32 32-pin connector
- T73b 73-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

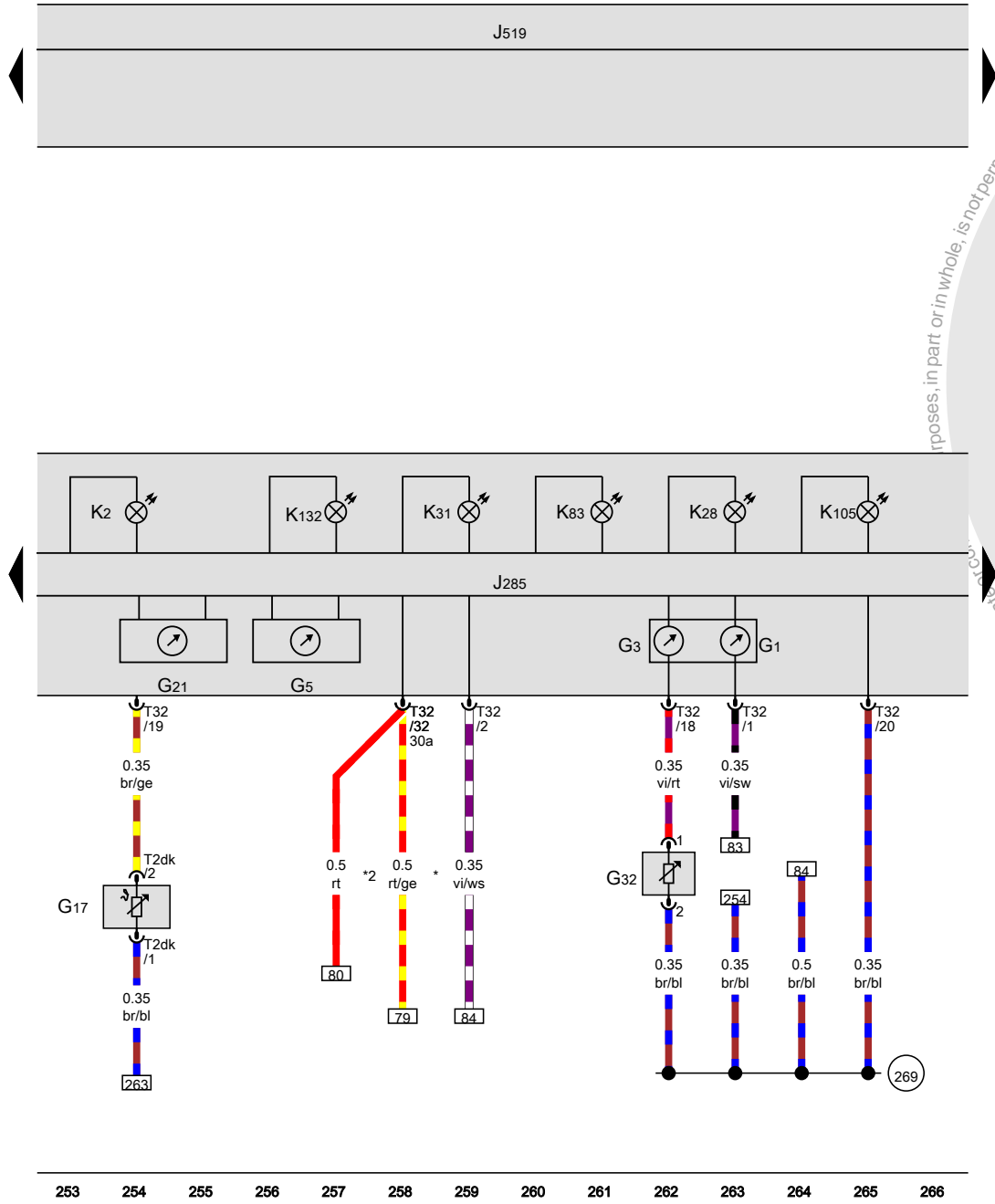
- * Diagnostic connection
- *2 Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
- *3 Only models with ABS and no ESP

- ws = white
- sw = black
- ro = red
- rt = red
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- li = purple
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- ge = yellow
- or = orange
- rs = pink

162-121191015

Fuel gauge, Coolant temperature gauge, Rev. counter, Speedometer, Control unit in dash panel insert, Onboard supply control unit, Alternator warning lamp, Coolant temperature and coolant shortage warning lamp, Cruise control system warning lamp, Reserve fuel warning lamp, Electronic power control fault lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G17 Ambient temperature sensor
- G21 Speedometer
- G32 Coolant shortage indicator sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T2dk 2-pin connector
- T32 32-pin connector
- 269 Earth connection (sender earth) 1, in dash panel wiring harness
- * Gradually discontinued
- *2 gradual introduction



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- gn = green
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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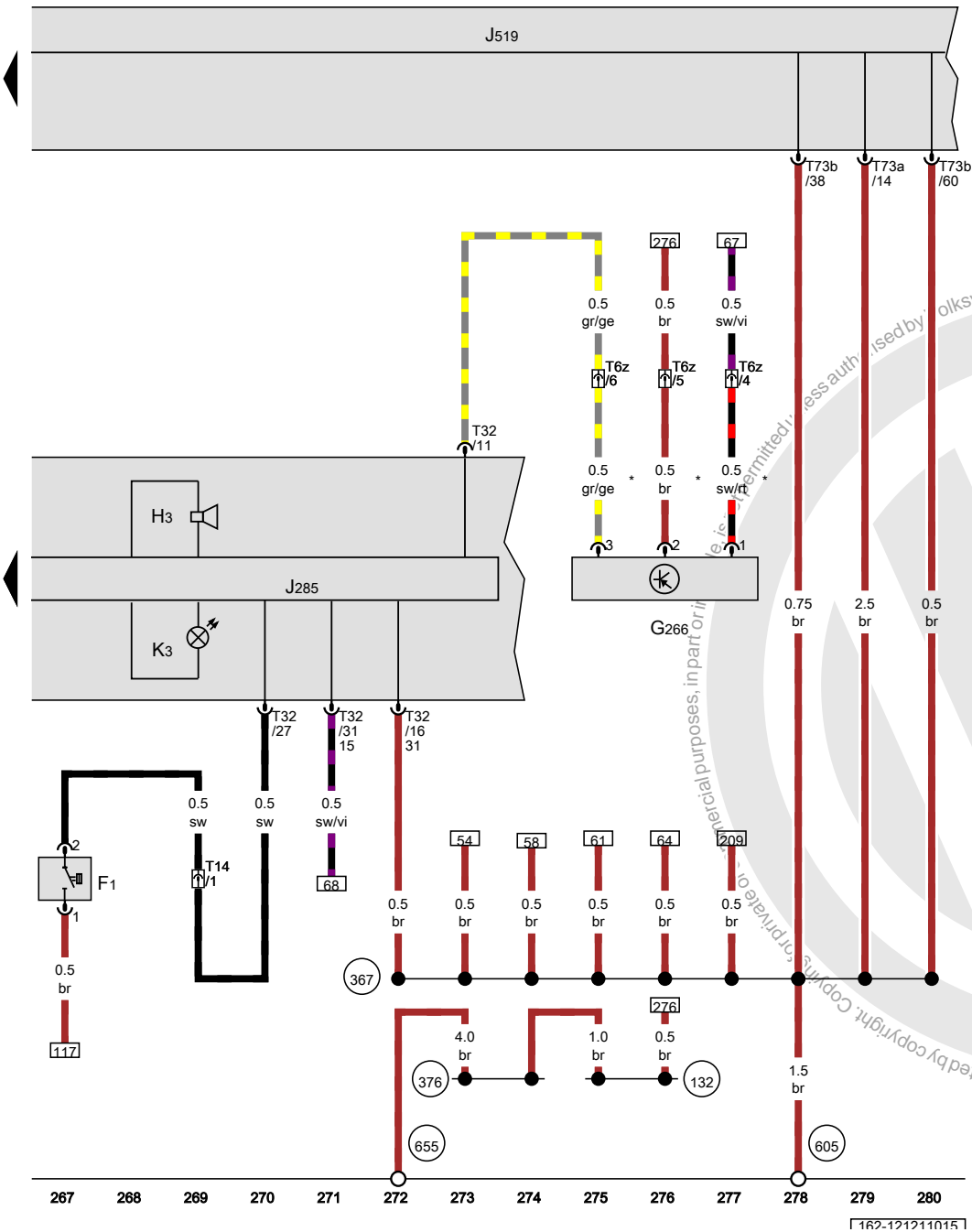
253 254 255 256 257 258 259 260 261 262 263 264 265 266

162-121201015

Oil pressure switch, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- T6z 6-pin connector, near left headlight
- T14 14-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 132 Earth connection 3, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- * Only models with flexible service interval display



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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

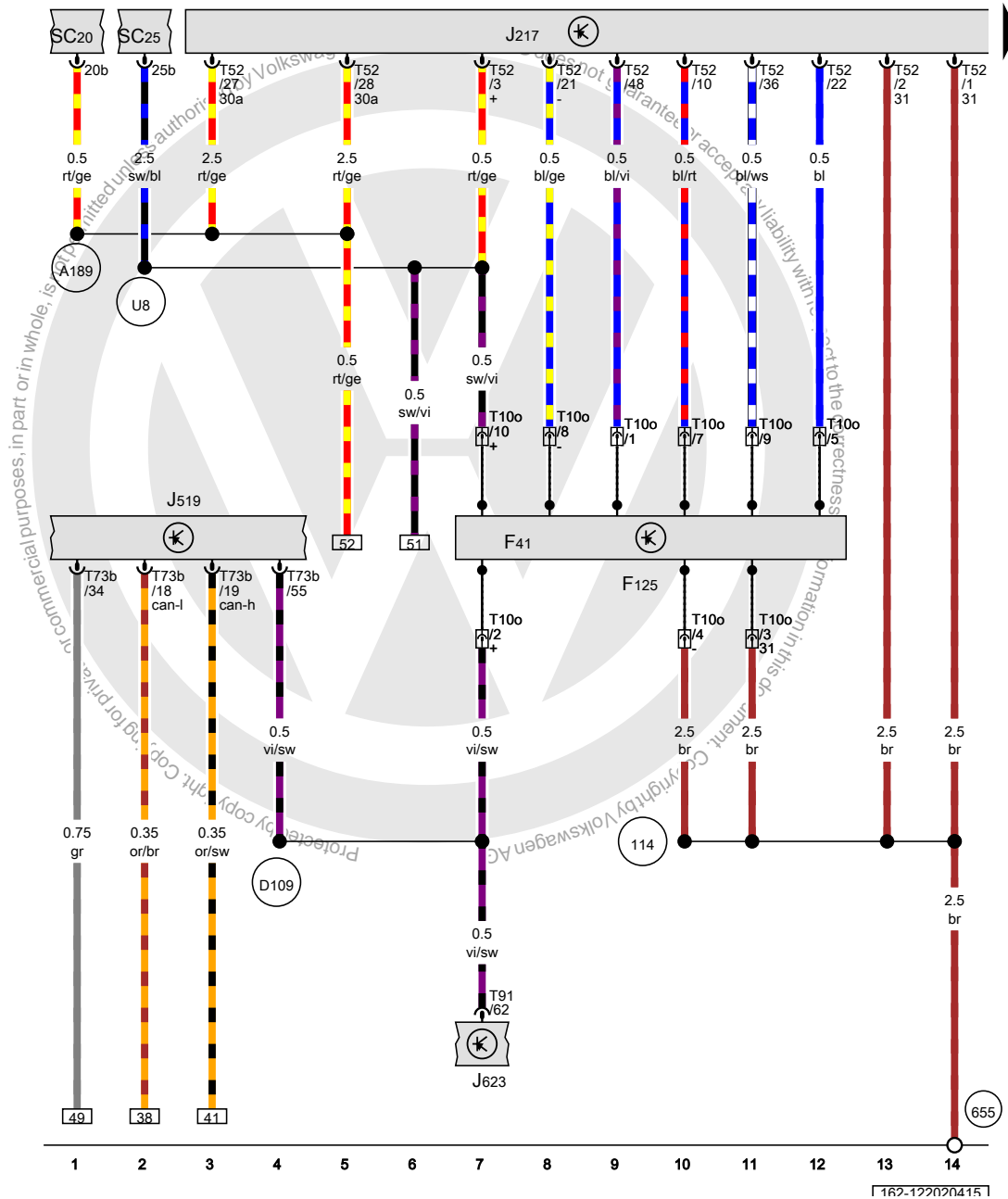
162-121211015

6-speed automatic gearbox 09G , CPKA,CPRA,(0ER)

From July 2013



Reversing switch, Multifunction switch, Automatic gearbox control unit

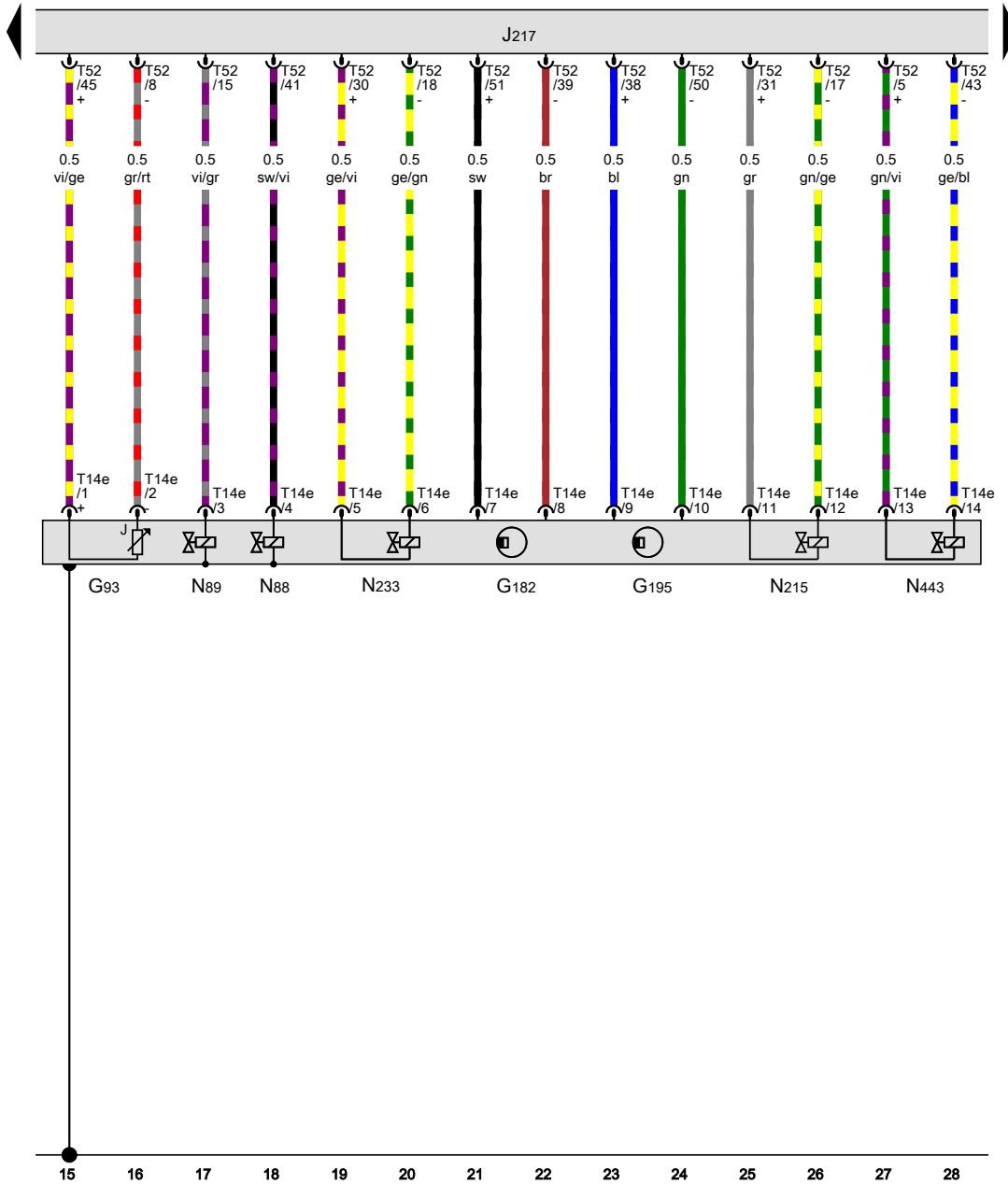


- F41 Reversing switch
- F125 Multifunction switch
- J217 Automatic gearbox control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- SC20 Fuse 20 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- T100 10-pin connector
- T52 52-pin connector
- T73b 73-pin connector
- T91 91-pin connector

- 114 Earth connection, in automatic gearbox wiring harness
- 655 Earth point, on left headlight
- A189 Positive connection 5 (30a) in dash panel wiring harness
- D109 Connection 7 in engine compartment wiring harness
- U8 Positive connection (15a), in automatic gearbox wiring harness

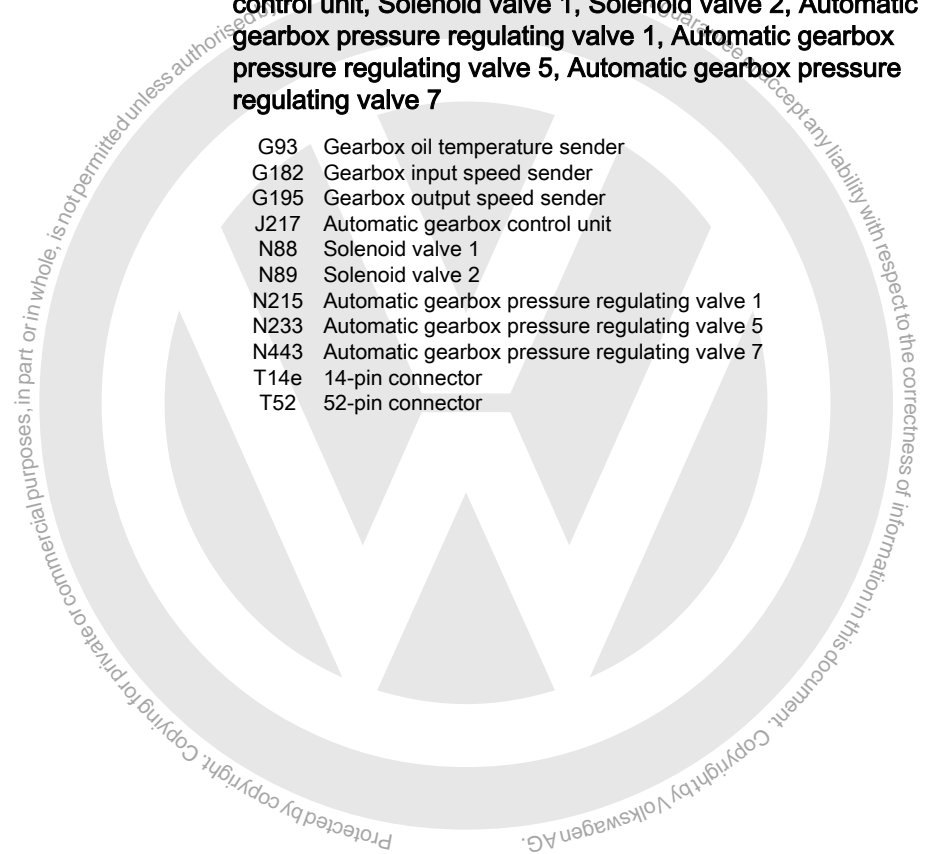
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- rs = pink

162-122020415



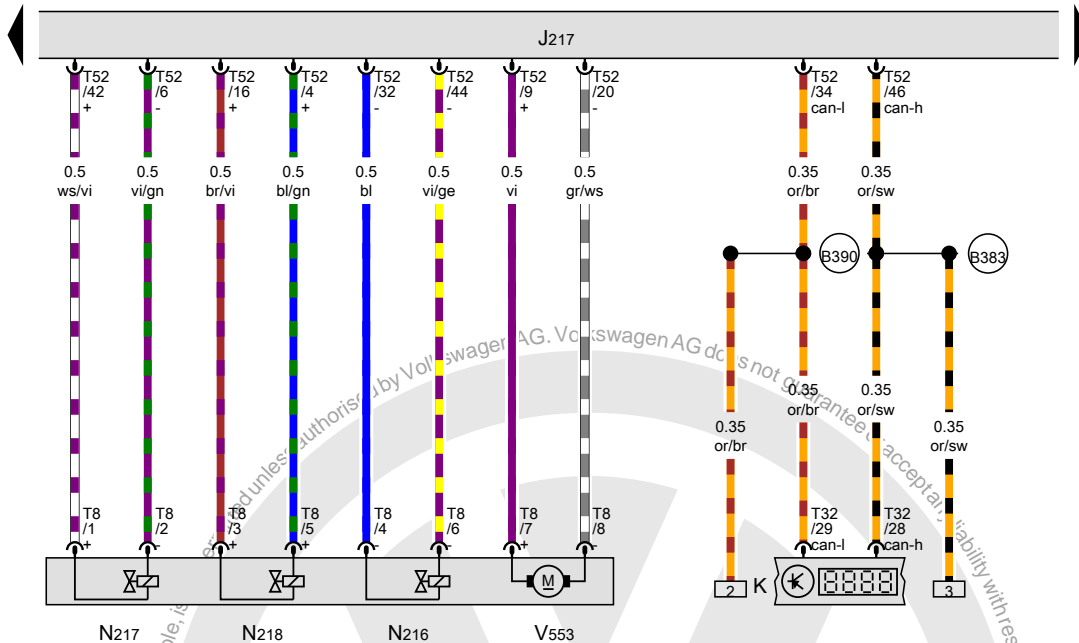
Gearbox oil temperature sender, Gearbox input speed sender, Gearbox output speed sender, Automatic gearbox control unit, Solenoid valve 1, Solenoid valve 2, Automatic gearbox pressure regulating valve 1, Automatic gearbox pressure regulating valve 5, Automatic gearbox pressure regulating valve 7

- G93 Gearbox oil temperature sender
- G182 Gearbox input speed sender
- G195 Gearbox output speed sender
- J217 Automatic gearbox control unit
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N215 Automatic gearbox pressure regulating valve 1
- N233 Automatic gearbox pressure regulating valve 5
- N443 Automatic gearbox pressure regulating valve 7
- T14e 14-pin connector
- T52 52-pin connector



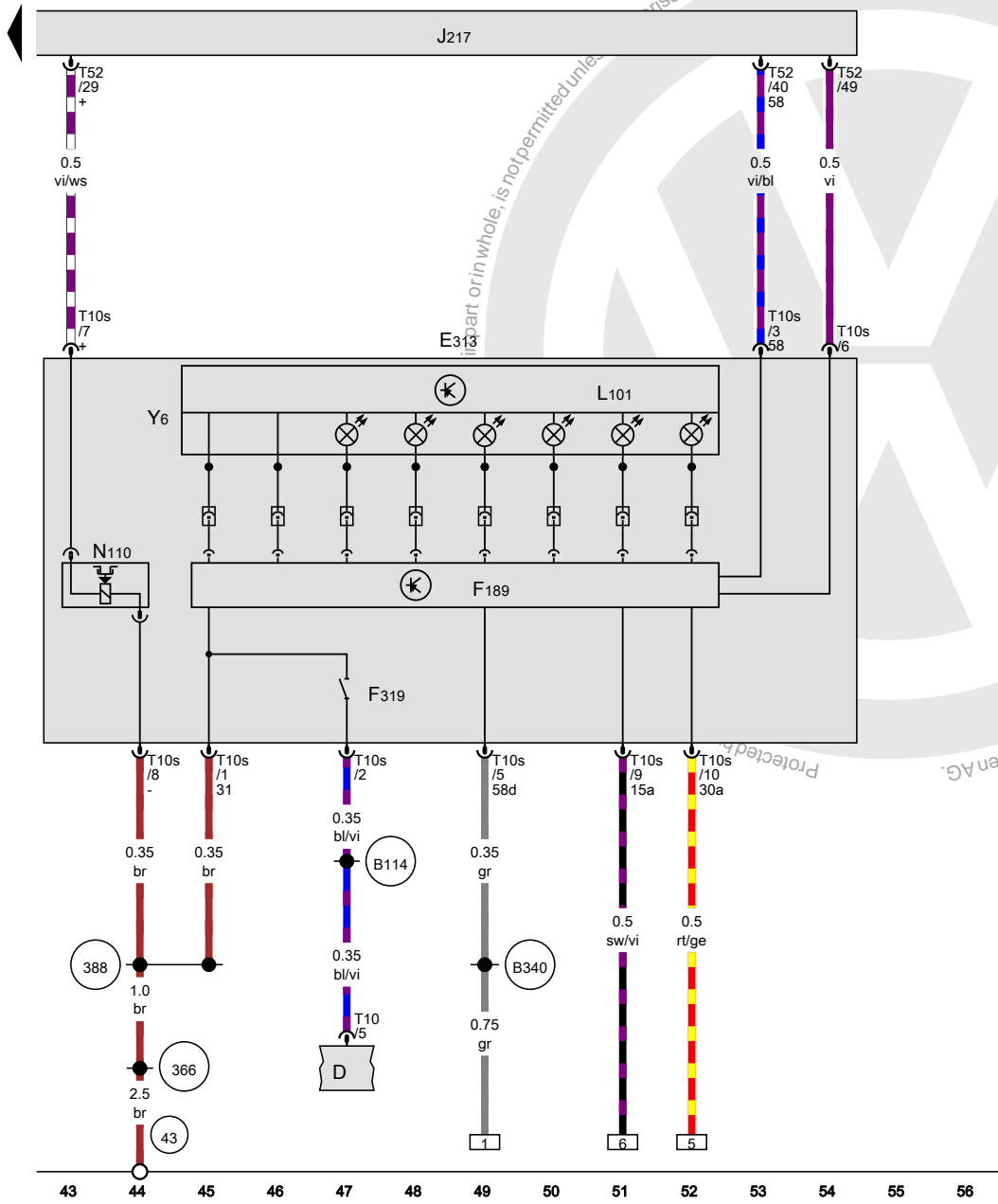
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Automatic gearbox control unit, Dash panel insert, Automatic gearbox pressure regulating valve 2, Automatic gearbox pressure regulating valve 3, Automatic gearbox pressure regulating valve 4, Electric pump 2 for gearbox



- J217 Automatic gearbox control unit
- K Dash panel insert
- N216 Automatic gearbox pressure regulating valve 2
- N217 Automatic gearbox pressure regulating valve 3
- N218 Automatic gearbox pressure regulating valve 4
- T8 8-pin connector
- T32 32-pin connector
- T52 52-pin connector
- V553 Electric pump 2 for gearbox
- B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390** Connection 1 (powertrain CAN bus, low), in main wiring harness

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Selector lever, Tiptronic switch, Selector lever locked in position P switch, Automatic gearbox control unit, Selector lever display illumination bulb, Selector lever lock solenoid, Selector lever position display

- D Ignition/starter switch
 - E313 Selector lever
 - F189 Tiptronic switch
 - F319 Selector lever locked in position P switch
 - J217 Automatic gearbox control unit
 - L101 Selector lever display illumination bulb
 - N110 Selector lever lock solenoid
 - T10 10-pin connector
 - T10s 10-pin connector
 - T10v 10-pin connector
 - T52 52-pin connector
 - Y6 Selector lever position display
- 43 Earth point, lower part of right A-pillar
 - 366 Earth connection 1, in main wiring harness
 - 388 Earth connection 23, in main wiring harness
 - B114 Connection (inhibitor switch), in interior wiring harness
 - B340 Connection 1 (58d), in main wiring harness

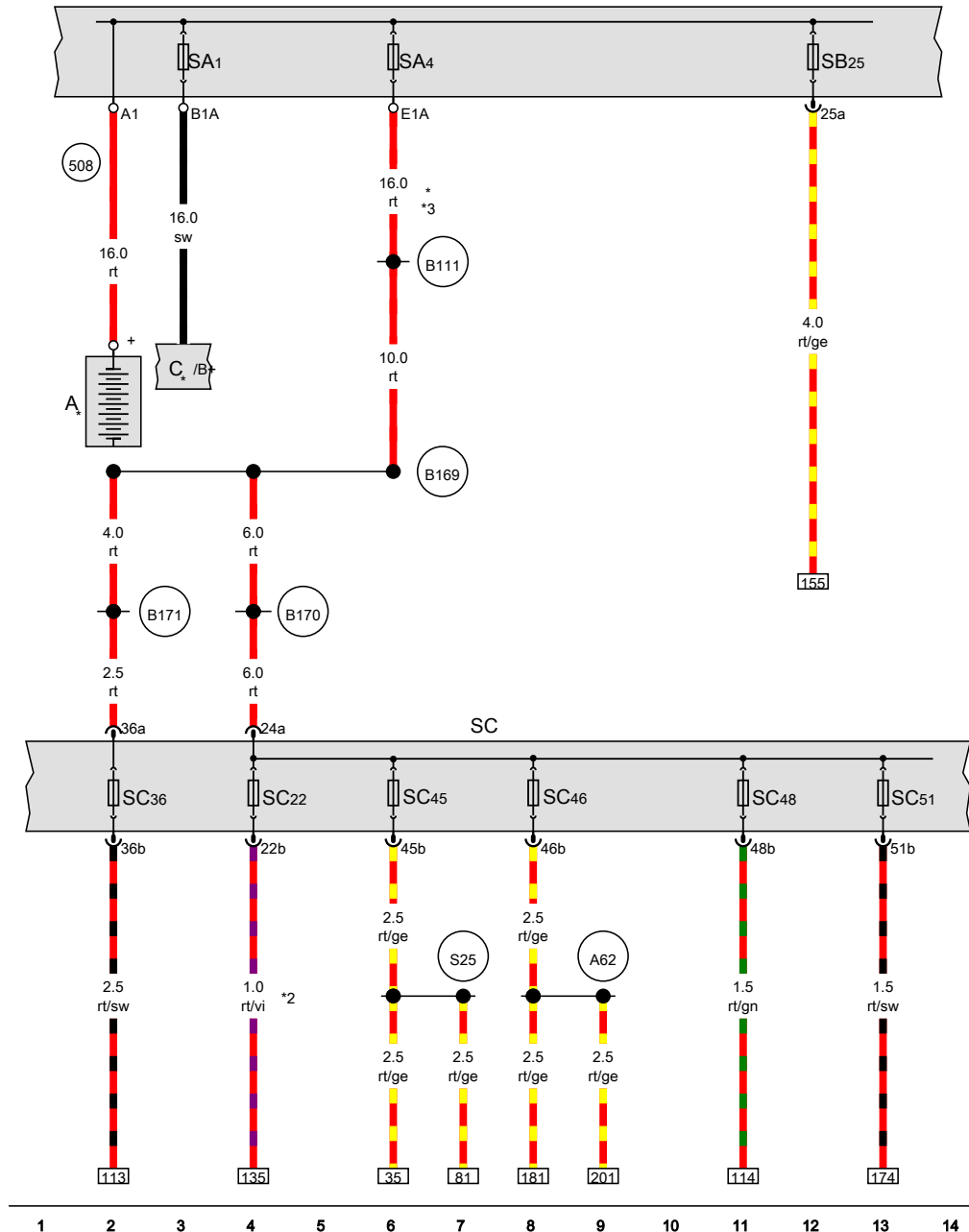
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Convenience system, High (AW1) , (AW1)

From July 2012



Battery, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 25 on fuse holder B, Fuse holder C



- A Battery
- C Alternator
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SB25 Fuse 25 on fuse holder B
- SC Fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC51 Fuse 51 on fuse holder C

- 508 Threaded connection (30) on E-box
- A62 Connection (window regulators), in dash panel wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B169 Positive connection 1 (30), in interior wiring harness
- B170 Positive connection 2 (30), in interior wiring harness
- B171 Positive connection 3 (30), in interior wiring harness
- S25 Positive connection (30a), in central locking wiring harness

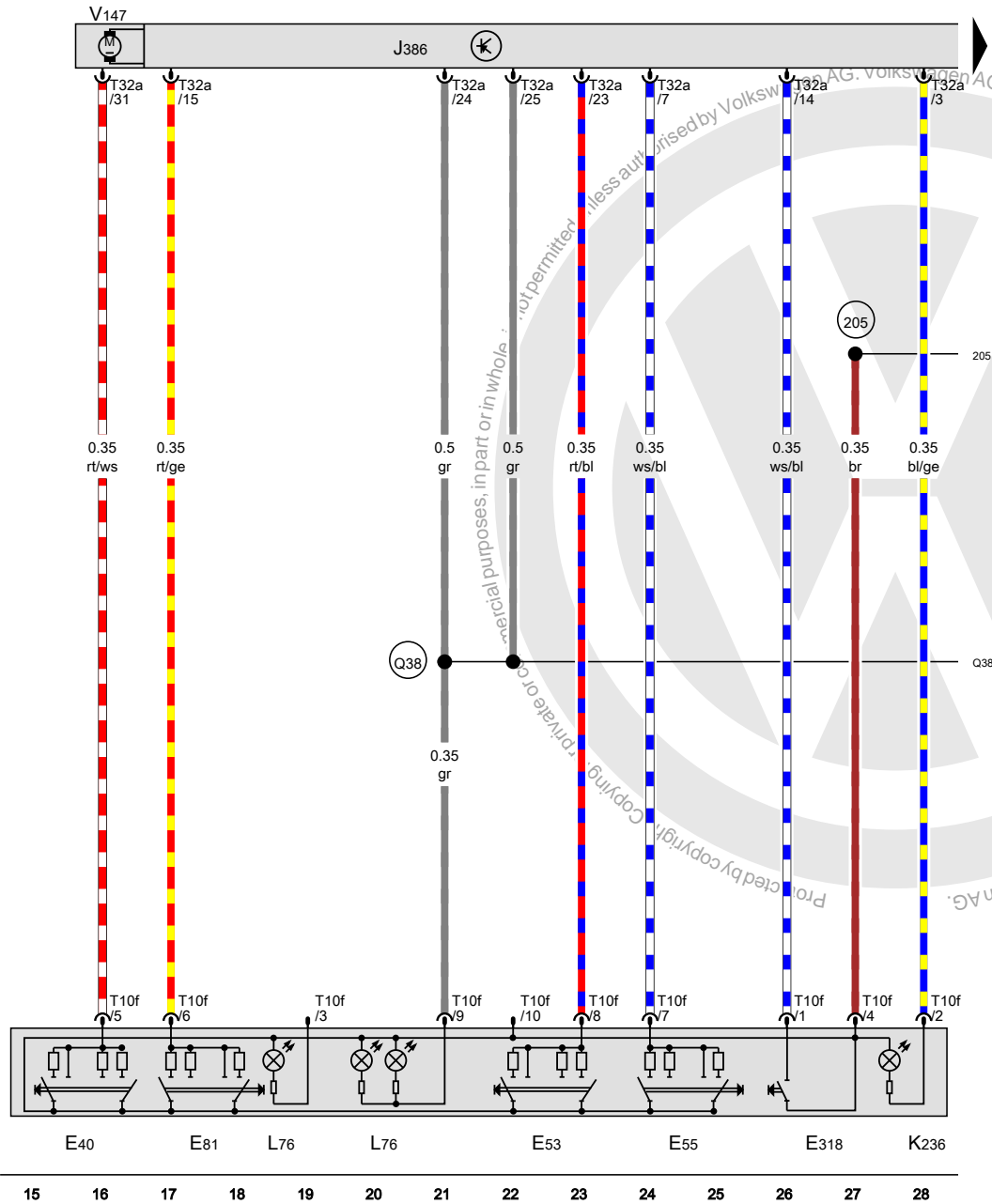
* Only models with no hybrid drive system
 *2 Cross section depends on equipment
 *3 see applicable current flow diagram for high-voltage system

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- gr = grey
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- rs = pink

162-123020415

Front left window regulator switch, Rear left window regulator switch, in driver door, Rear right window regulator switch, in driver door, Front right window regulator switch in driver door, Childproof lock button, Driver door control unit

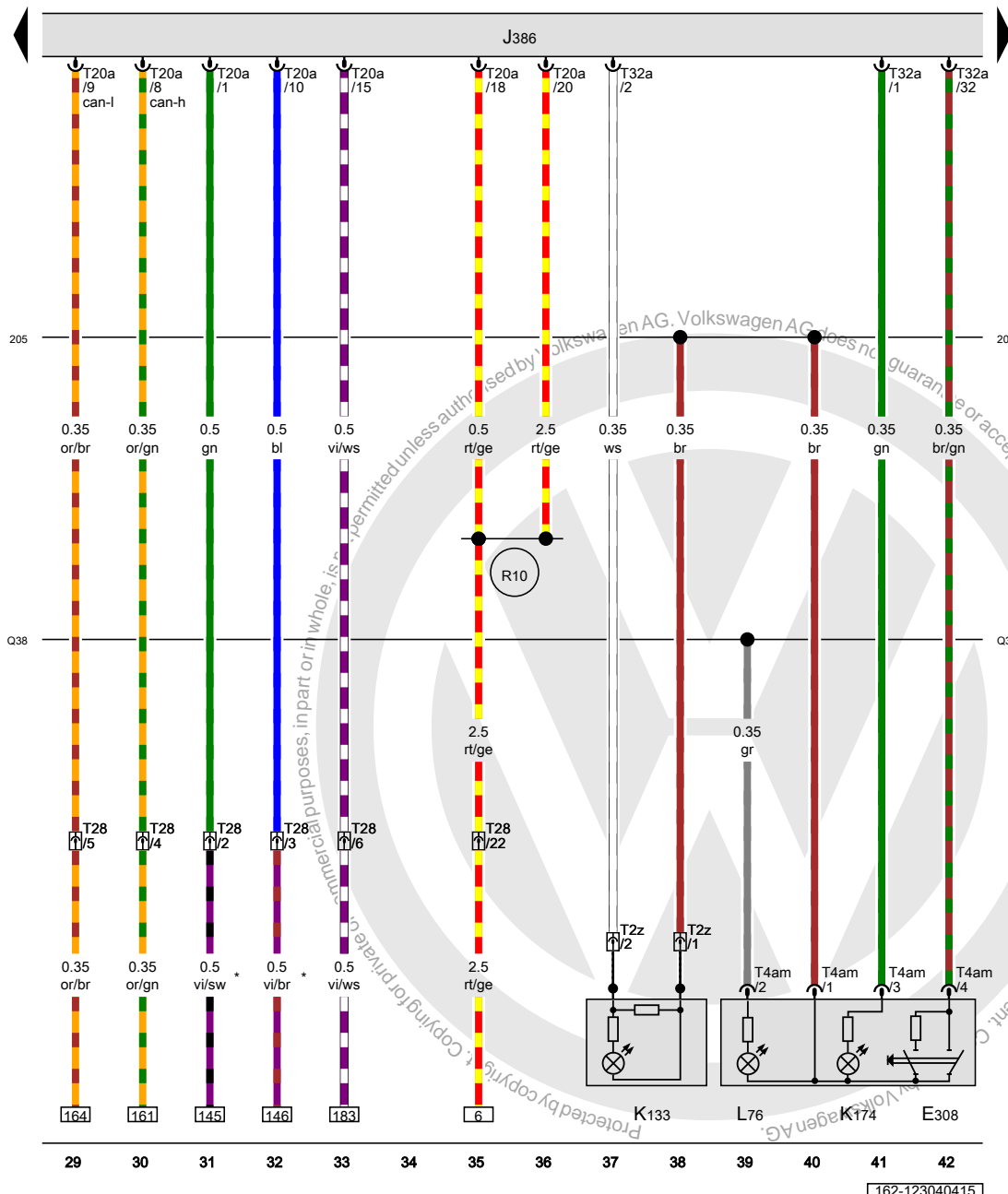
- E40 Front left window regulator switch
 - E53 Rear left window regulator switch, in driver door
 - E55 Rear right window regulator switch, in driver door
 - E81 Front right window regulator switch in driver door
 - E318 Childproof lock button
 - J386 Driver door control unit
 - K236 Warning light for activated childproof lock
 - L76 Button illumination bulb
 - T10f 10-pin connector
 - T32a 32-pin connector
 - V147 Driver side window regulator motor
- 205 Earth connection, in driver door wiring harness
Q38 Positive connection 1 (58b), in window regulator wiring harness



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- bl = blue
- gr = grey
- li = purple
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- ge = yellow
- or = orange
- rs = pink

162-123030415

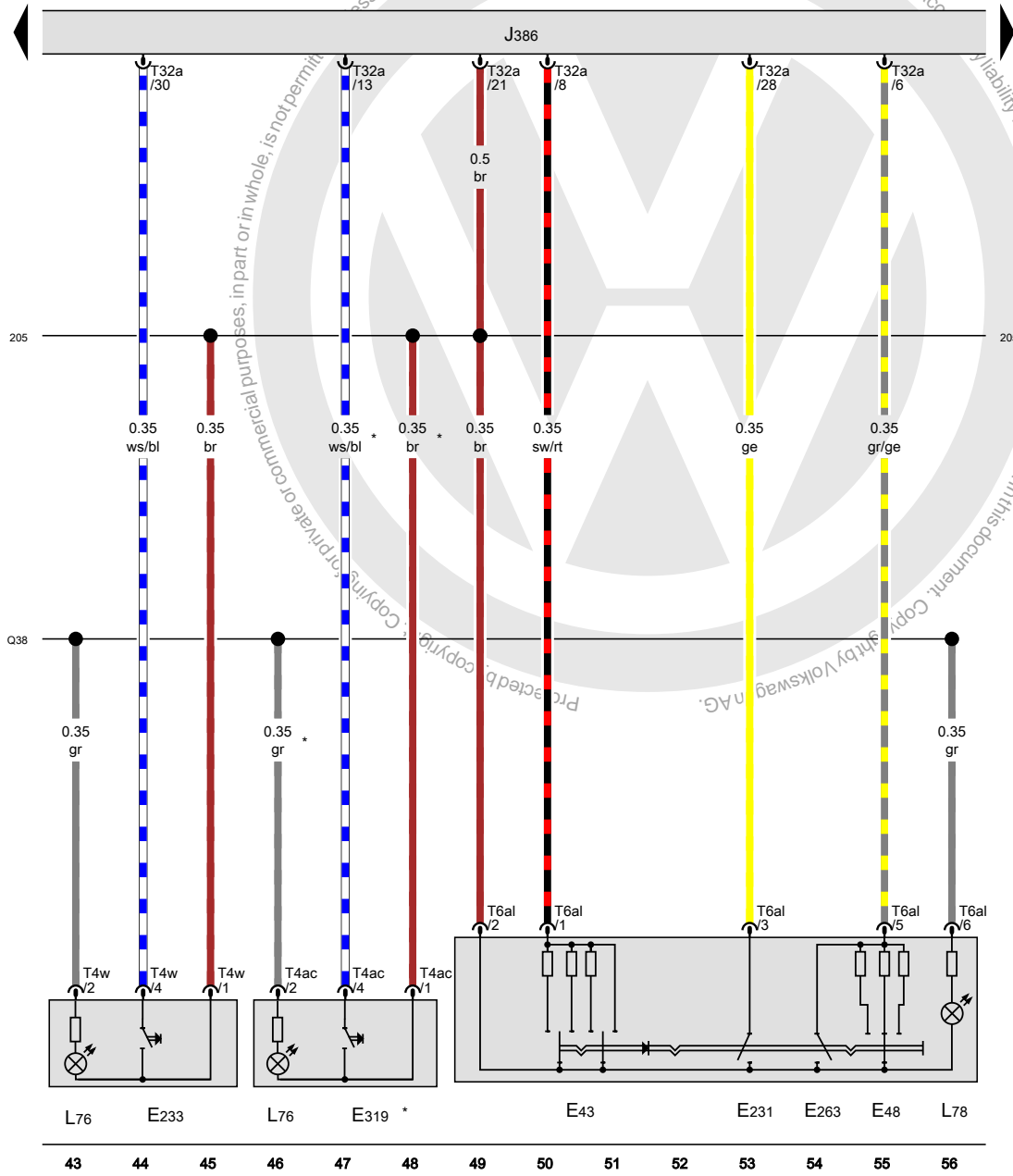
Driver side interior locking button for central locking system, Driver door control unit, Central locking SAFELOCK function warning lamp



- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- K133 Central locking SAFELOCK function warning lamp
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2z 2-pin connector
- T4am 4-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- R10 Positive connection 1 (30), in driver door wiring harness
- * Gradually discontinued

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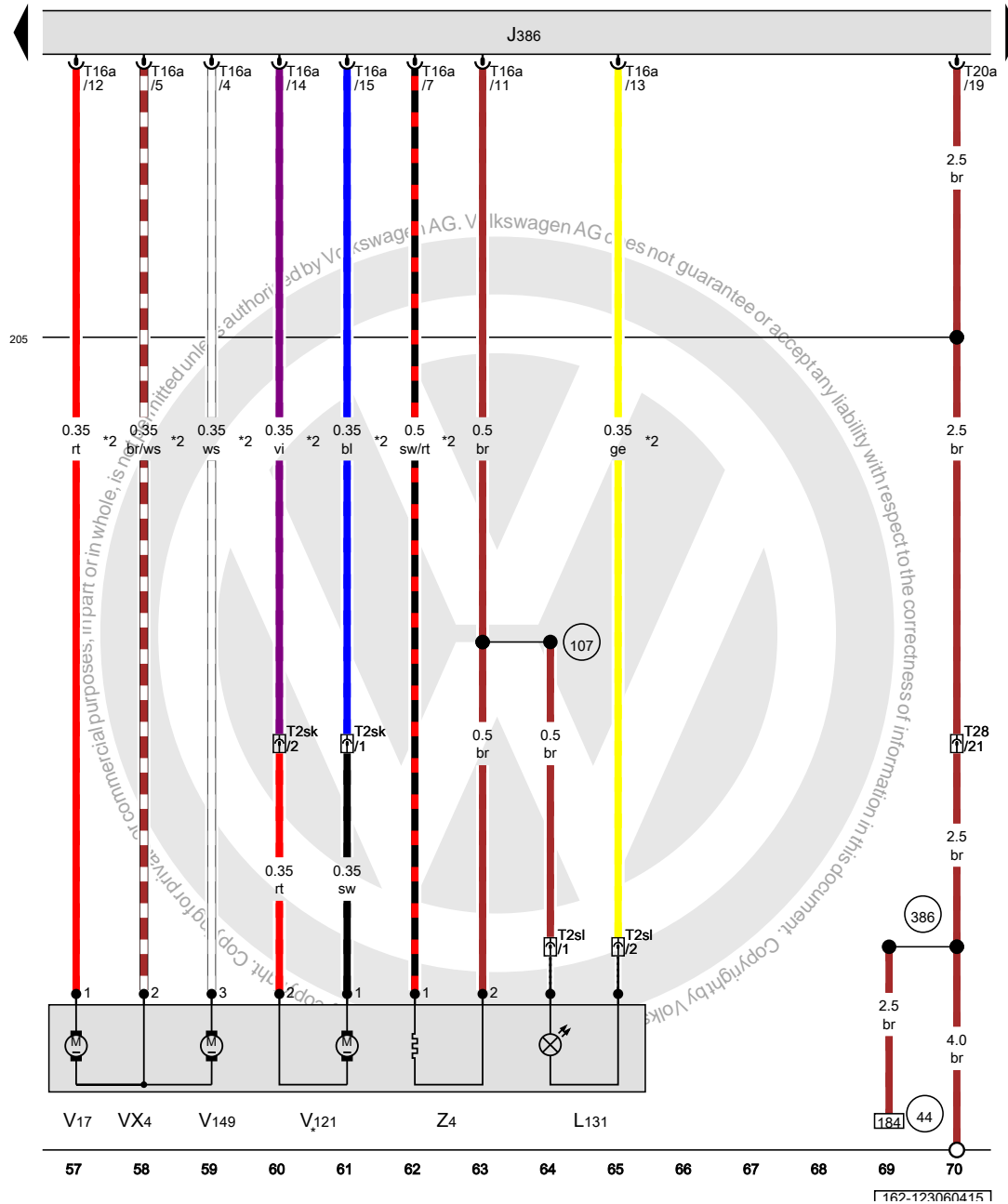
Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Rear lid remote release button, Fold-in mirror switch, Fuel tank flap release button, Driver door control unit, Mirror adjustment switch illumination bulb

- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- E233 Rear lid remote release button
- E263 Fold-in mirror switch
- E319 Fuel tank flap release button
- J386 Driver door control unit
- L76 Button illumination bulb
- L78 Mirror adjustment switch illumination bulb
- T4ac 4-pin connector
- T4w 4-pin connector
- T6al 6-pin connector
- T32a 32-pin connector

- 205 Earth connection, in driver door wiring harness
- Q38 Positive connection 1 (58b), in window regulator wiring harness
- * Only for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

162-123050415

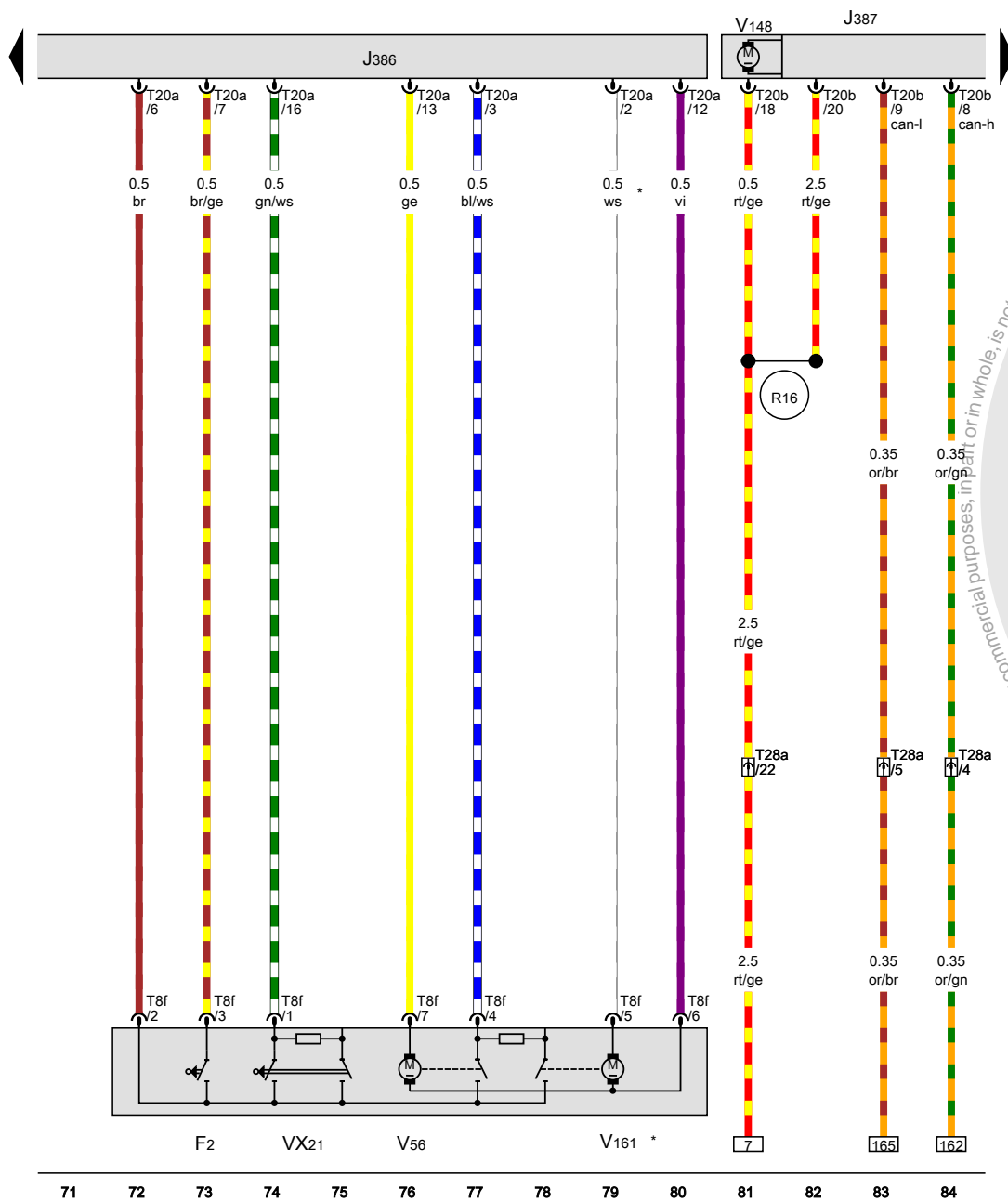


Driver door control unit, Driver side exterior mirror, Driver side fold-in mirror motor, Driver side mirror adjustment motor

- J386 Driver door control unit
- L131 Driver side turn signal repeater bulb
- T2sk 2-pin connector
- T2sl 2-pin connector
- T16a 16-pin connector
- T20a 20-pin connector
- T28 28-pin connector, lower part of A-pillar, driver side
- VX4 Driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V121 Driver side fold-in mirror motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

- 44 Earth point, lower part of left A-pillar
- 107 Earth connection, in external mirror wiring harness
- 205 Earth connection, in driver door wiring harness
- 386 Earth connection 21, in main wiring harness
- * According to equipment
- *2 Wiring colour depends on equipment

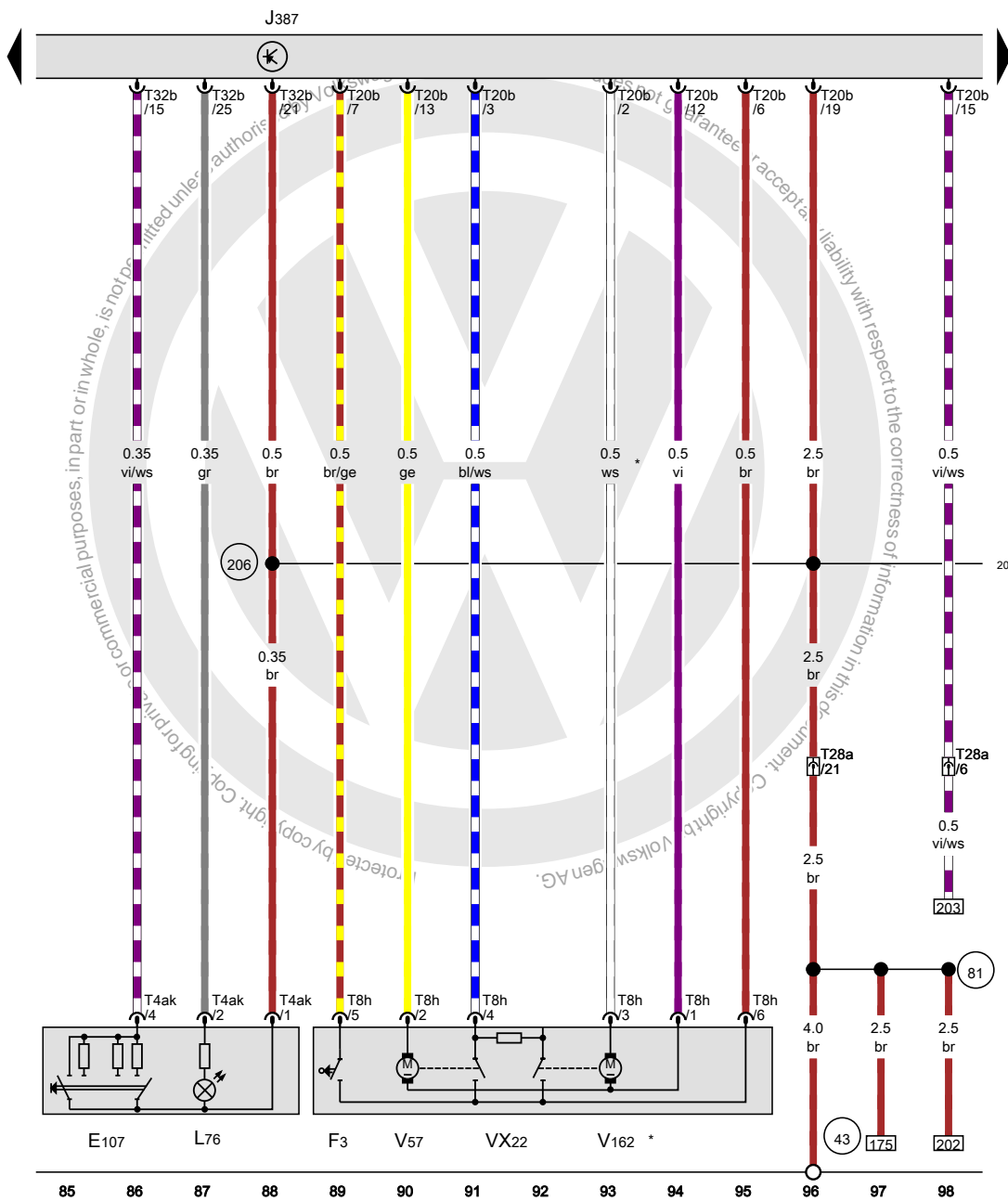
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Driver door contact switch, Driver door control unit, Front passenger door control unit, Driver door lock unit, Driver door central locking motor, Front passenger side window regulator motor

- F2 Driver door contact switch
- J386 Driver door control unit
- J387 Front passenger door control unit
- T8f 8-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V148 Front passenger side window regulator motor
- V161 Driver door central locking SAFELOCK function motor
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * Not for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



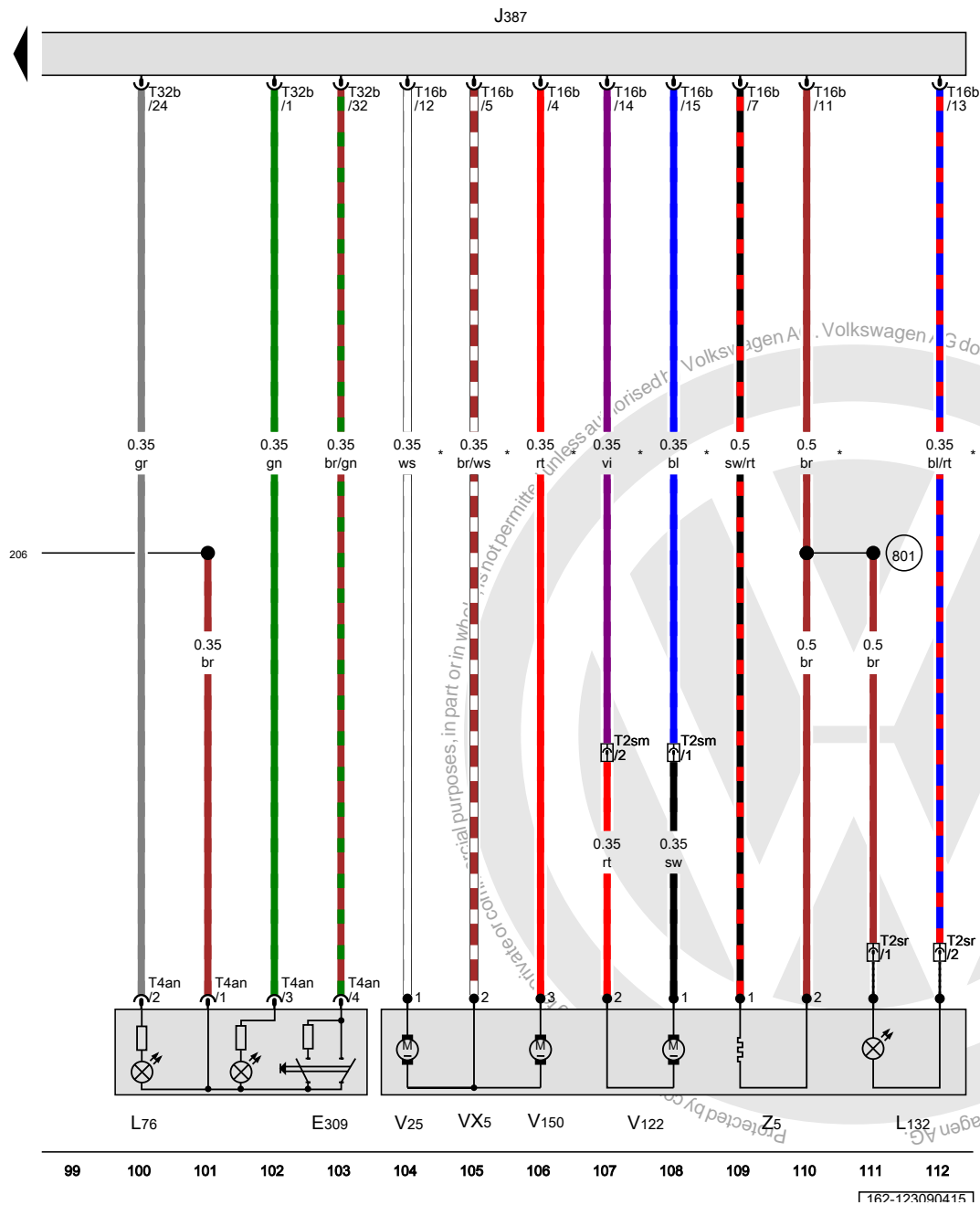
Window regulator switch in front passenger door, Front passenger door contact switch, Front passenger door control unit, Front passenger door lock unit, Front passenger seat central locking motor

- E107 Window regulator switch in front passenger door
- F3 Front passenger door contact switch
- J387 Front passenger door control unit
- L76 Button illumination bulb
- T4ak 4-pin connector
- T8h 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, lower part of A-pillar, front passenger side
- T32b 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger seat central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

- 43 Earth point, lower part of right A-pillar
- 81 Earth connection 1, in dash panel wiring harness
- 206 Earth connection, in front passenger door wiring harness

* Not for American markets

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Front passenger side interior locking button for central locking system, Front passenger door control unit, Front passenger side exterior mirror, Front passenger side mirror adjustment motor 2, Front passenger side fold-in mirror motor, Front passenger side mirror adjustment motor

- E309 Front passenger side interior locking button for central locking system
- J387 Front passenger door control unit
- L76 Button illumination bulb
- L132 Front passenger side turn signal repeater bulb
- T2sm 2-pin connector
- T2sr 2-pin connector
- T4an 4-pin connector
- T16b 16-pin connector
- T32b 32-pin connector
- VX5 Front passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V122 Front passenger side fold-in mirror motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

206 Earth connection, in front passenger door wiring harness

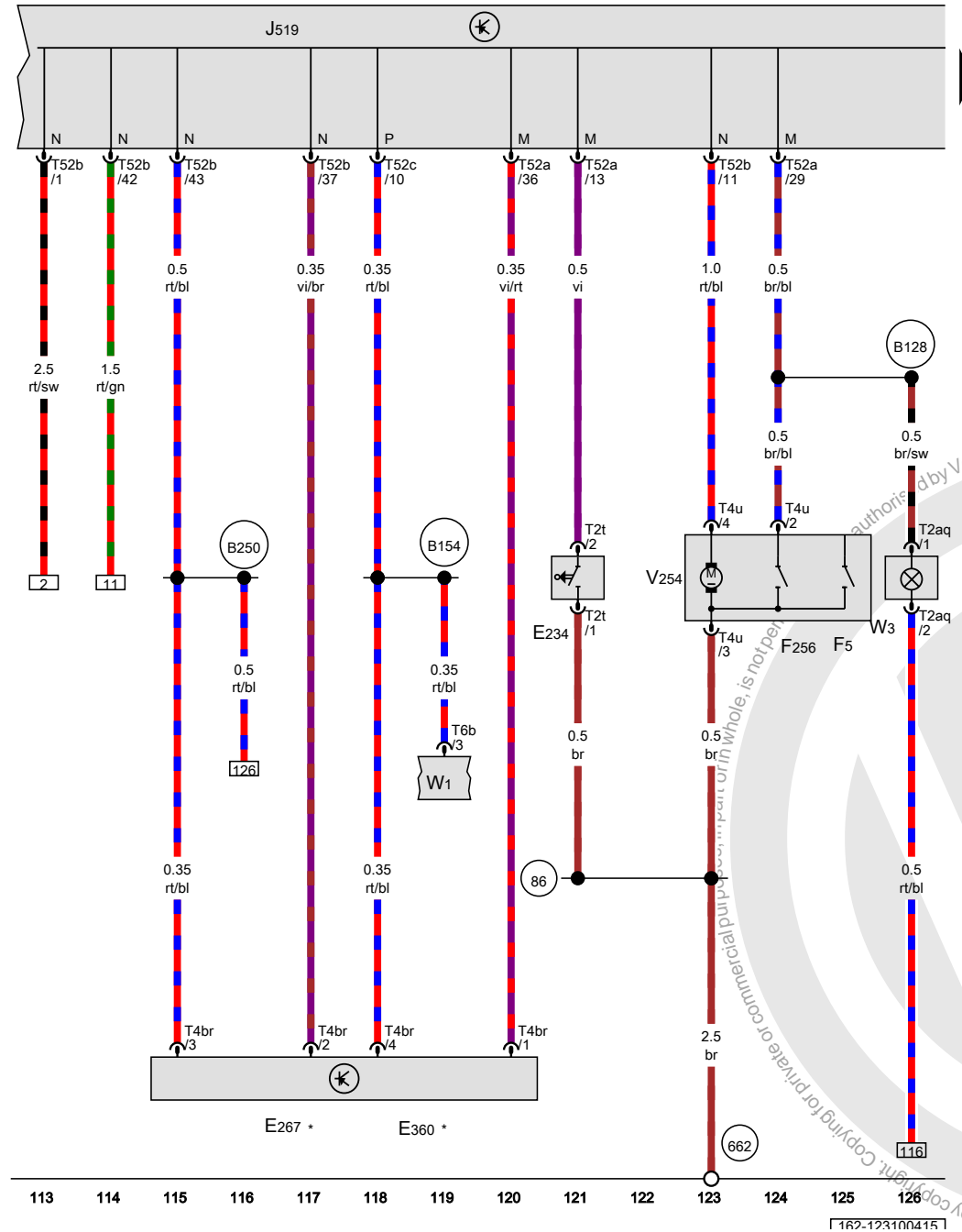
801 Earth connection 2, in external mirror wiring harness

* Wiring colour depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- vi = purple
- ge = yellow
- or = orange
- rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112

162-123090415

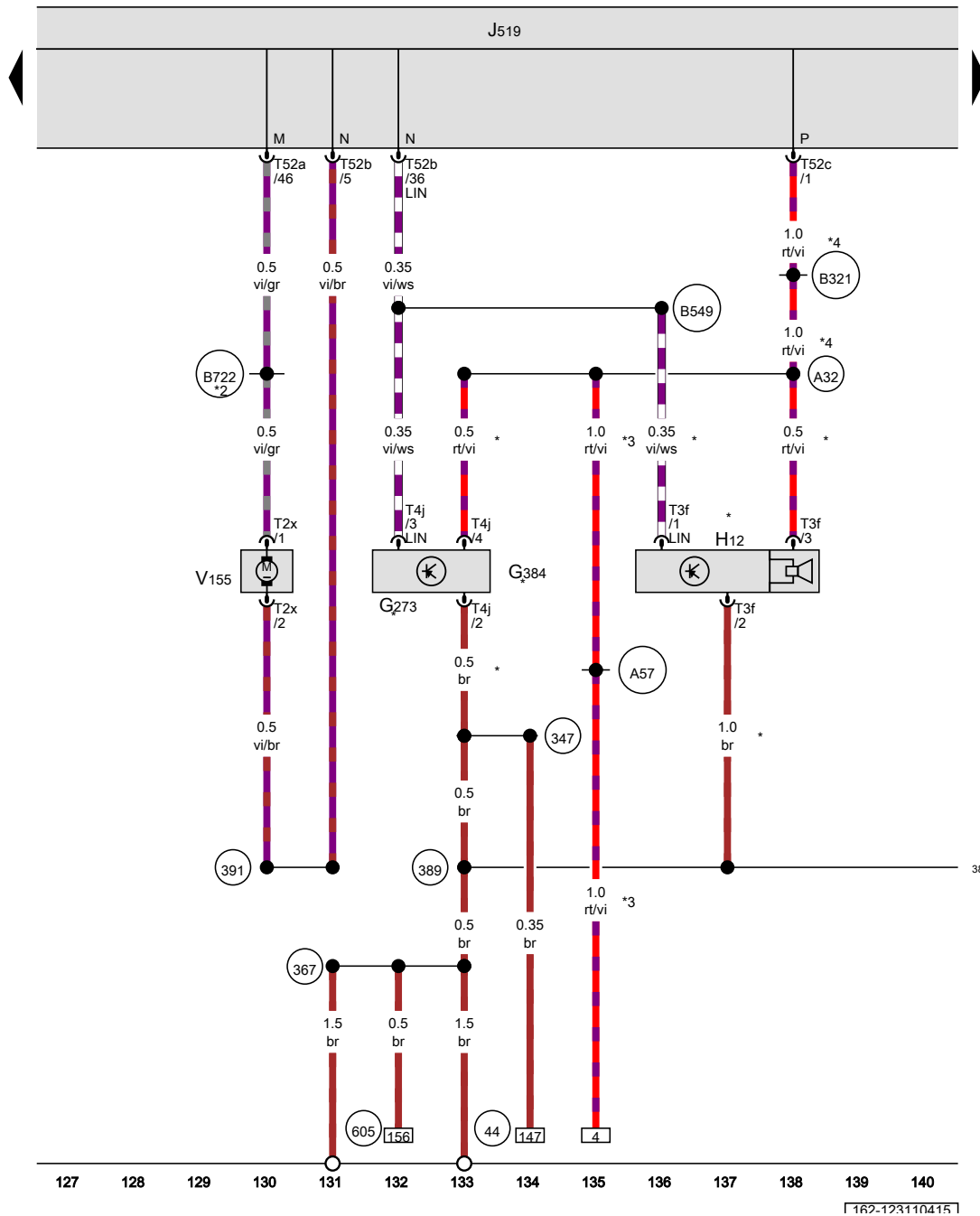


Rear lid handle release button, Interior monitoring deactivation switch, Deactivation button for vehicle inclination sender, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Rear lid electric opener motor, Front interior light, Luggage compartment light

- E234 Rear lid handle release button
- E267 Interior monitoring deactivation switch
- E360 Deactivation button for vehicle inclination sender
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2aq 2-pin connector
- T2t 2-pin connector
- T4br 4-pin connector
- T4u 4-pin connector
- T6b 6-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V254 Rear lid electric opener motor
- W1 Front interior light
- W3 Luggage compartment light

- 86 Earth connection 1, in rear wiring harness
- 662 Earth point, rear left side panel
- B128 Connection (luggage compartment light), in interior wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B250 Positive connection, in roof wiring harness
- * According to equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- ps = pink



Interior monitoring sensor, Vehicle inclination sender, Alarm horn, Onboard supply control unit, Tank filler flap locking motor

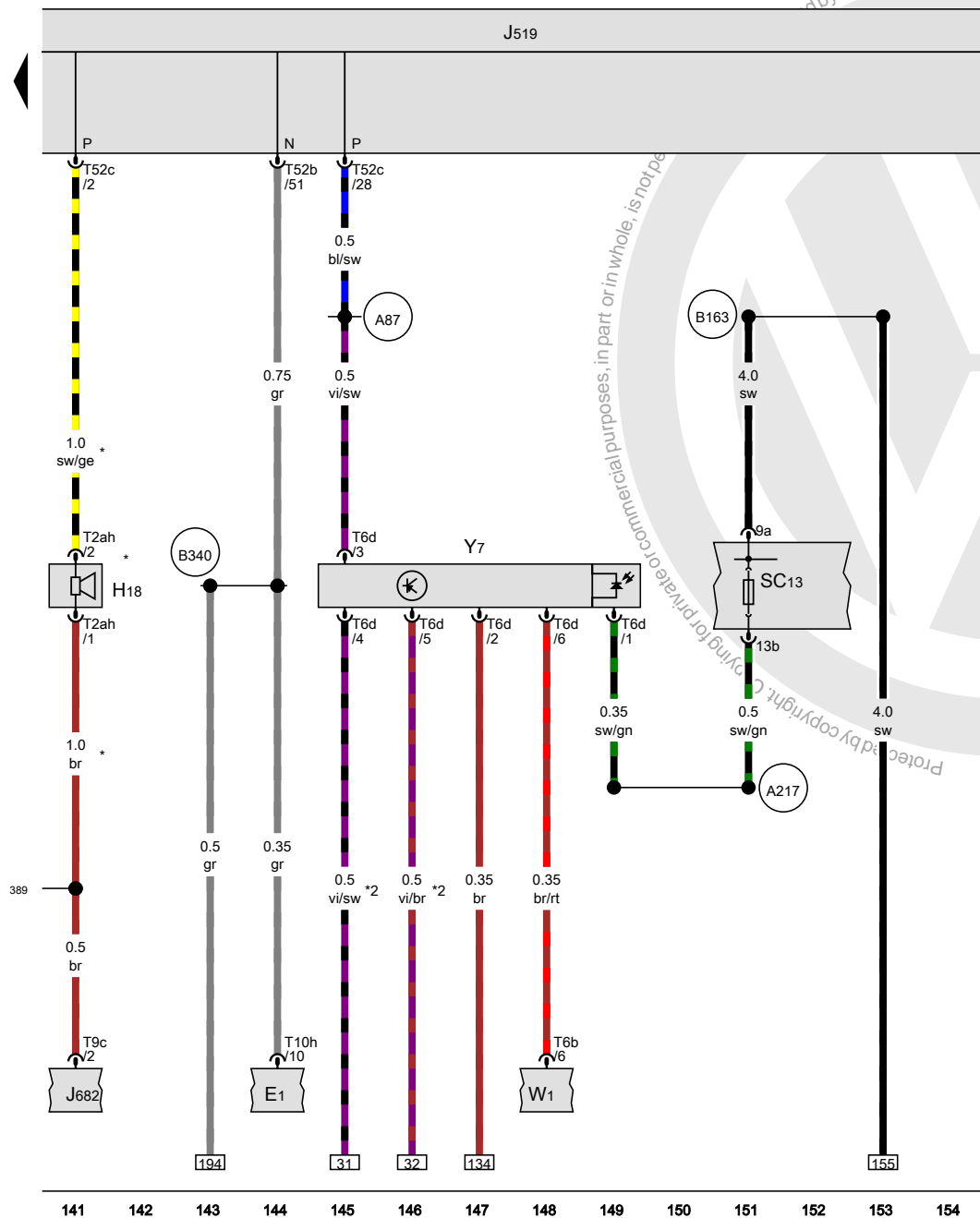
- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- H12 Alarm horn
- J519 Onboard supply control unit
- T2x 2-pin connector
- T3f 3-pin connector
- T4j 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V155 Tank filler flap locking motor

- 44 Earth point, lower part of left A-pillar
- 347 Earth connection, in roof wiring harness
- 367 Earth connection 2, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 391 Earth connection 26, in main wiring harness
- 605 Earth point, on top end of steering column
- A32 Positive connection (30), in dash panel wiring harness
- A57 Positive connection 3 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- B722 Connection 3 (central locking), in main wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

- * Not for American markets
- *2 gradual introduction
- *3 Cross-section depends on equipment
- *4 Only for American markets

162-123110415



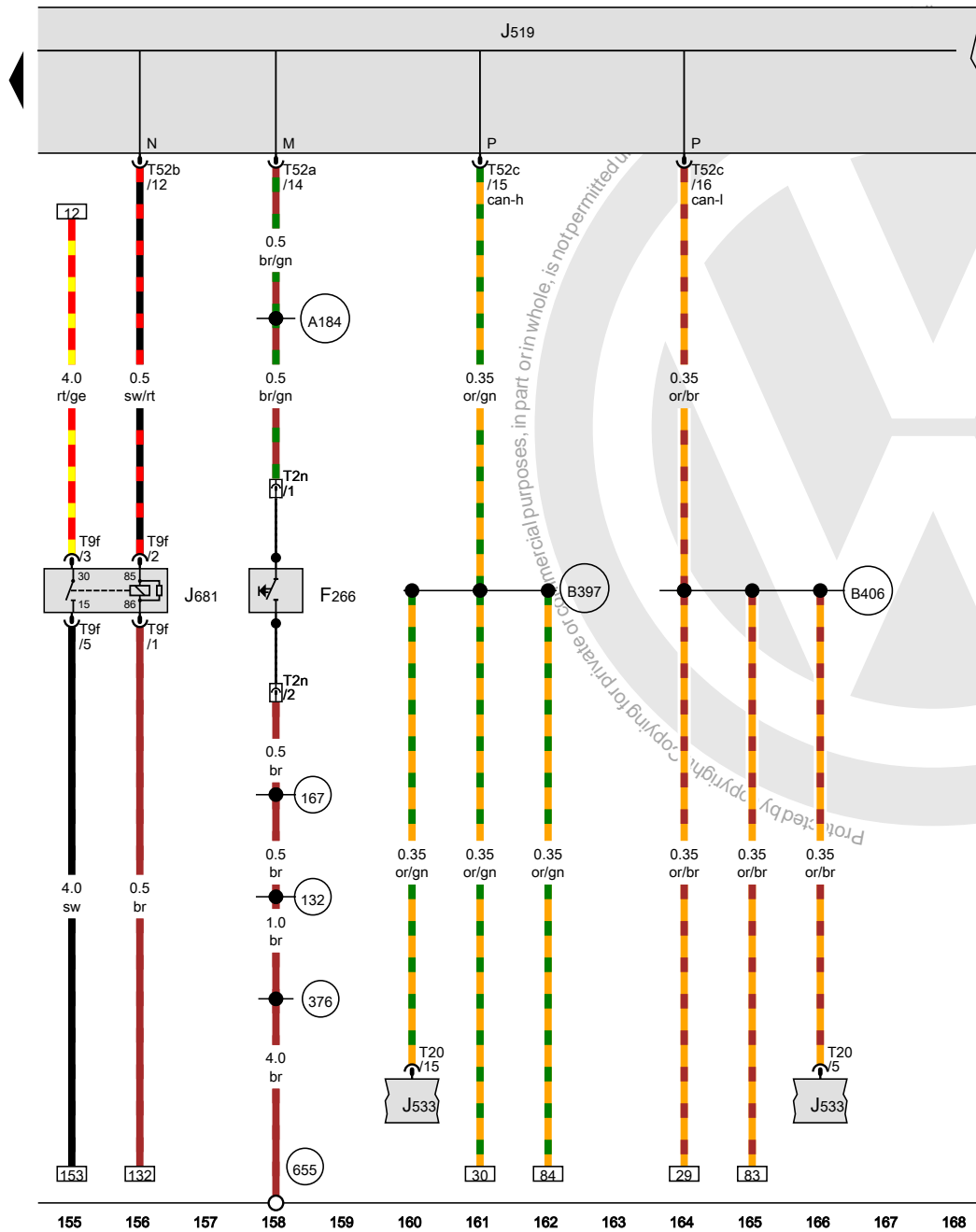
Onboard supply control unit, Automatic anti-dazzle interior mirror

- E1 Light switch
- H18 Alarm system horn
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SC13 Fuse 13 on fuse holder C
- T2ah 2-pin connector
- T6b 6-pin connector
- T6d 6-pin connector
- T9c 9-pin connector
- T10h 10-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior light
- Y7 Automatic anti-dazzle interior mirror

- 389 Earth connection 24, in main wiring harness
- A87 Connection (RL), in dash panel wiring harness
- A217 Positive connection 8 (15a) in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only for American markets
- *2 Gradually discontinued

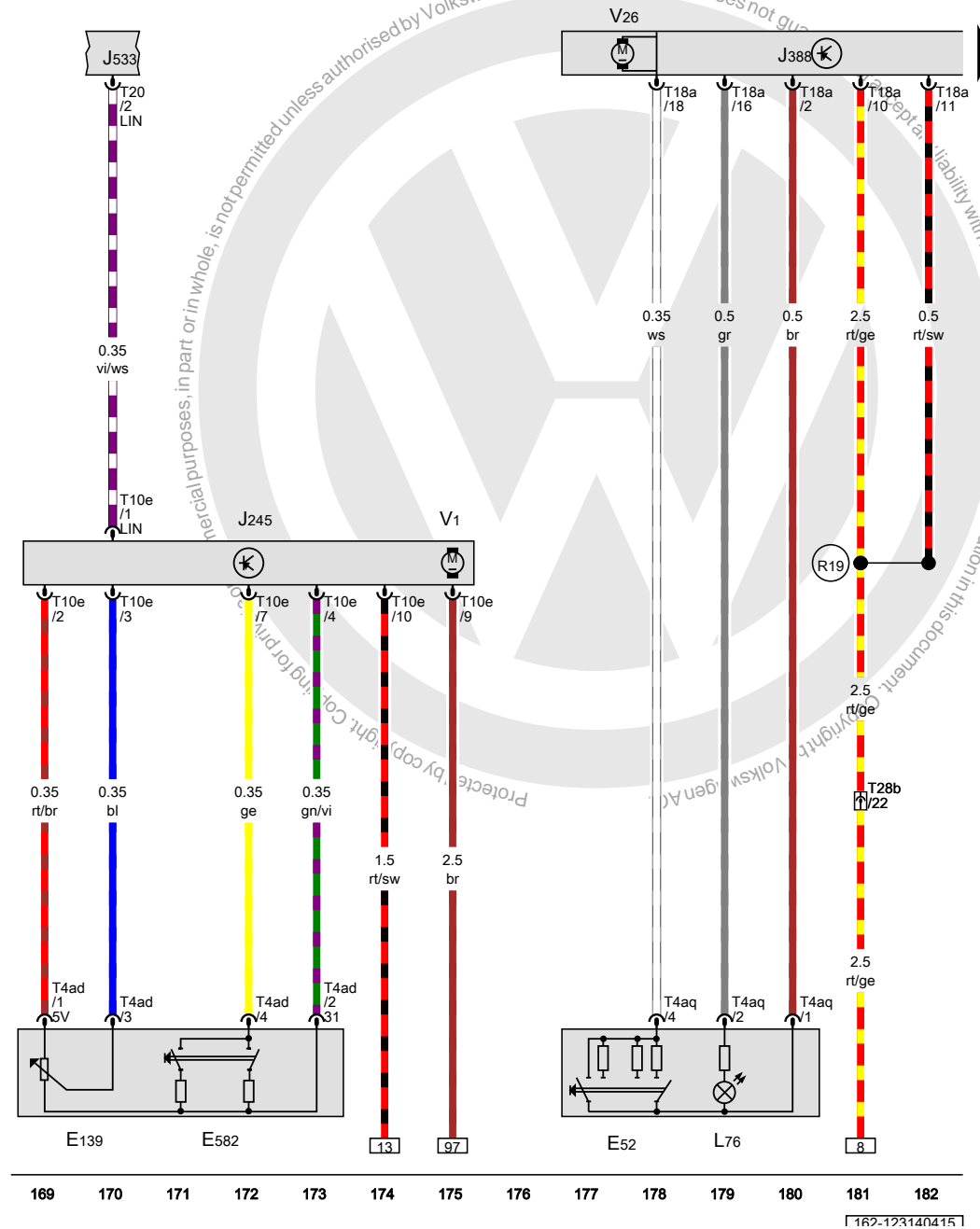
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Bonnet contact switch, Onboard supply control unit, Terminal 15 voltage supply relay 2



- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J681 Terminal 15 voltage supply relay 2
- T2n 2-pin connector
- T9f 9-pin connector
- T20 20-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- 132 Earth connection 3, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- A184 Connection (bonnet contact switch), in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

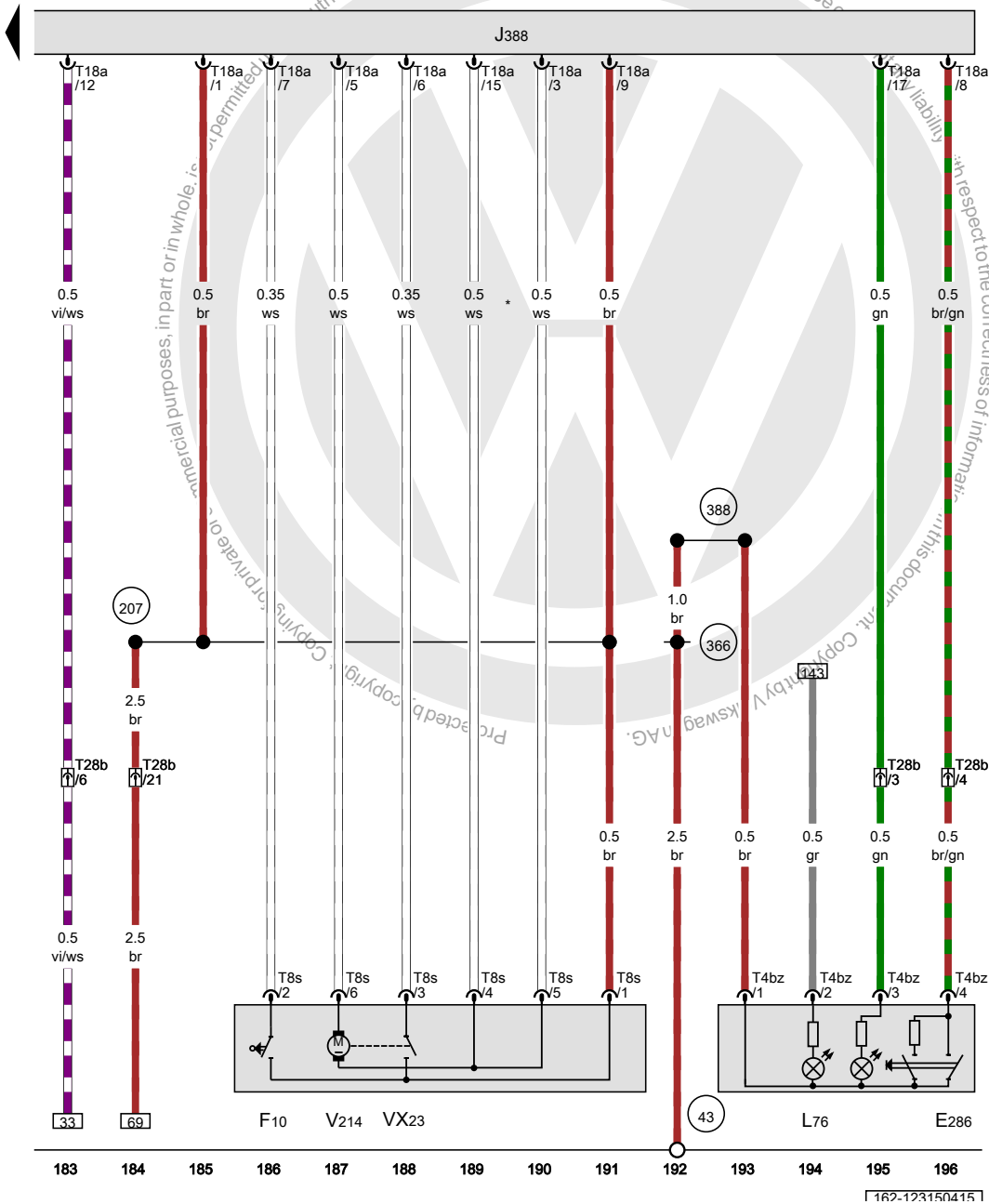
- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear left window regulator switch, in door, Sliding sunroof adjustment regulator, Button 1 for tilting roof, Sliding sunroof adjustment control unit, Rear left door control unit, Sliding sunroof motor, Rear left window regulator motor

- E52 Rear left window regulator switch, in door
- E139 Sliding sunroof adjustment regulator
- E582 Button 1 for tilting roof
- J245 Sliding sunroof adjustment control unit
- J388 Rear left door control unit
- J533 Data bus diagnostic interface
- L76 Button illumination bulb
- T4ad 4-pin connector
- T4aq 4-pin connector
- T10e 10-pin connector
- T18a 18-pin connector
- T20 20-pin connector
- T28b 28-pin connector, on left B-pillar
- V1 Sliding sunroof motor
- V26 Rear left window regulator motor
- R19 Positive connection 1 (30), in rear left door wiring harness

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Rear central switch for interior locking, Rear left door contact switch, Rear left door control unit, Rear left door lock unit, Rear left door central locking motor, lock

- E286 Rear central switch for interior locking
- F10 Rear left door contact switch
- J388 Rear left door control unit
- L76 Button illumination bulb
- T4bz 4-pin connector
- T8s 8-pin connector
- T18a 18-pin connector
- T28b 28-pin connector, on left B-pillar
- VX23 Rear left door lock unit
- V214 Rear left door central locking motor, lock

- 43 Earth point, lower part of right A-pillar
- 207 Earth connection, in rear left door wiring harness
- 366 Earth connection 1, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- * Not for American markets

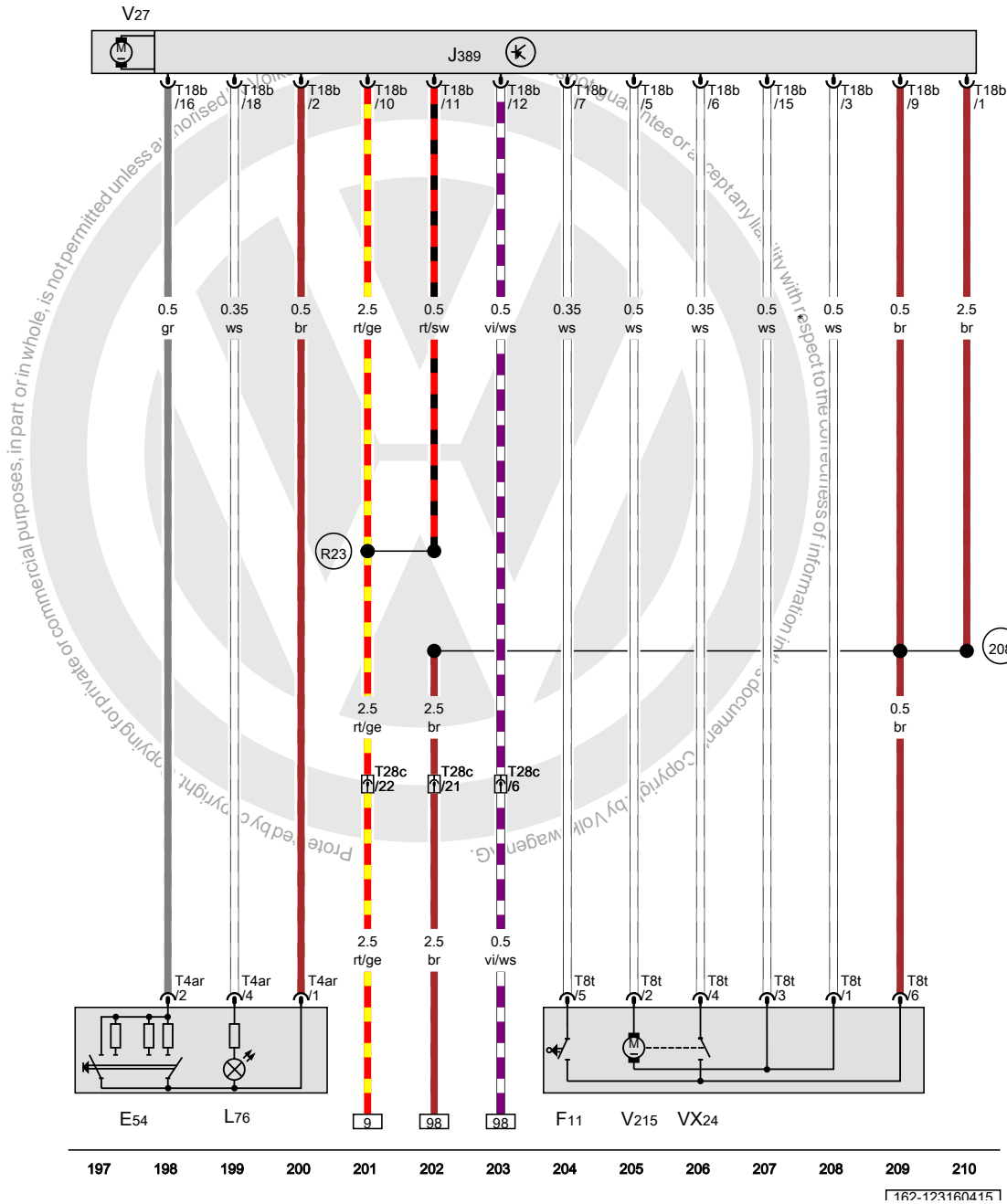
- ws = white
- sw = black
- ro = red
- rt = red
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

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Rear right window regulator switch, in door, Rear right door contact switch, Rear right door control unit, Rear right door lock unit, Rear right window regulator motor, Rear right door central locking motor, lock

- E54 Rear right window regulator switch, in door
- F11 Rear right door contact switch
- J389 Rear right door control unit
- L76 Button illumination bulb
- T4ar 4-pin connector
- T8t 8-pin connector
- T18b 18-pin connector
- T28c 28-pin connector, on right B-pillar
- VX24 Rear right door lock unit
- V27 Rear right window regulator motor
- V215 Rear right door central locking motor, lock

- (208) Earth connection, in rear right door wiring harness
- (R23) Positive connection 1 (30), in rear right door wiring harness
- * Not for American markets



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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1 Earth points

1.1 Overview of earth points

13 - Earth point on right in engine compartment

- ❑ Fitting location ⇒ [page 3](#)

638 - Earth point on right A-pillar

- ❑ Fitting location ⇒ [page 3](#)

43 - Earth point, lower part of right A-pillar

- ❑ Fitting location ⇒ [page 4](#)

610 - Earth point (audio), front below centre console

- ❑ Fitting location ⇒ [page 5](#)

602 - Earth point in front left footwell

- ❑ Fitting location ⇒ [page 6](#)

44 - Earth point on lower part of left A-pillar

- ❑ Fitting location ⇒ [page 6](#)

605 - Earth point on top end of steering column

- ❑ Fitting location: below steering column

1 - Earth strap, battery - body

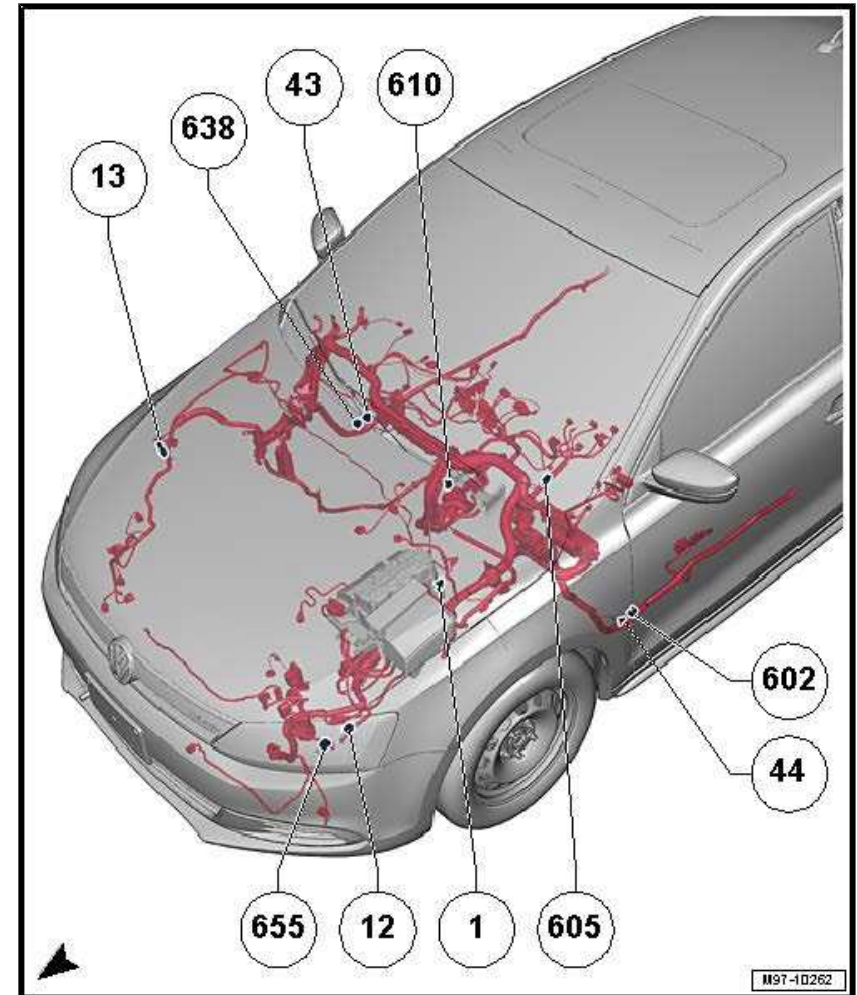
- ❑ Fitting location: next to battery negative terminal
- ❑ Specified torque: 20 Nm

12 - Earth point on left in engine compartment

- ❑ Fitting location ⇒ [page 6](#)

655 - Earth point on left headlight

- ❑ Fitting location ⇒ [page 7](#)



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624 - Earth point next to starter battery

- Fitting location ⇒ [page 8](#)

662 - Earth point in rear left side panel

- Fitting location for models with no hybrid drive only ⇒ [page 7](#)
- Fitting location for models with hybrid drive only ⇒ [page 7](#)

701 - Earth point in luggage compartment

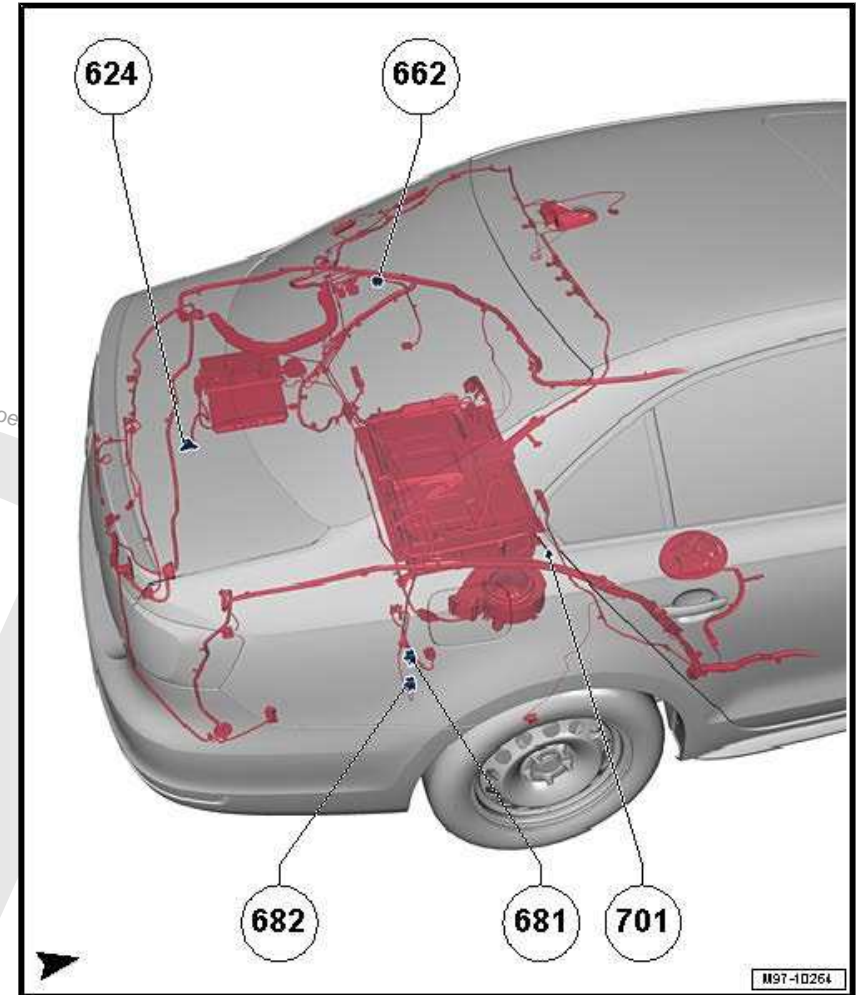
- Fitting location ⇒ [page 8](#)

681 - Earth point 1 in rear right side panel

- Fitting location ⇒ [page 8](#)

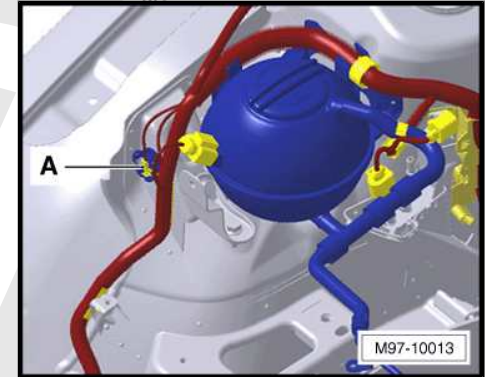
682 - Earth point 2 in rear right side panel

- Fitting location ⇒ [page 9](#)

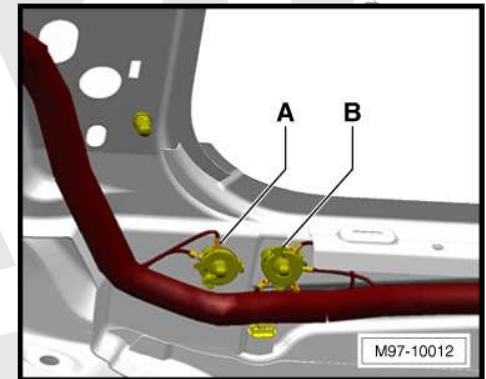


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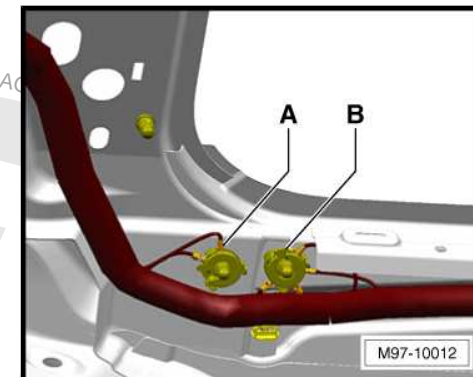
13 - Earth point on right in engine compartment -A-
Specified torque: 9 Nm



638 - Earth point on right A-pillar -A-
Specified torque: 9 Nm



43 - Earth point, lower part of right A-pillar -B-

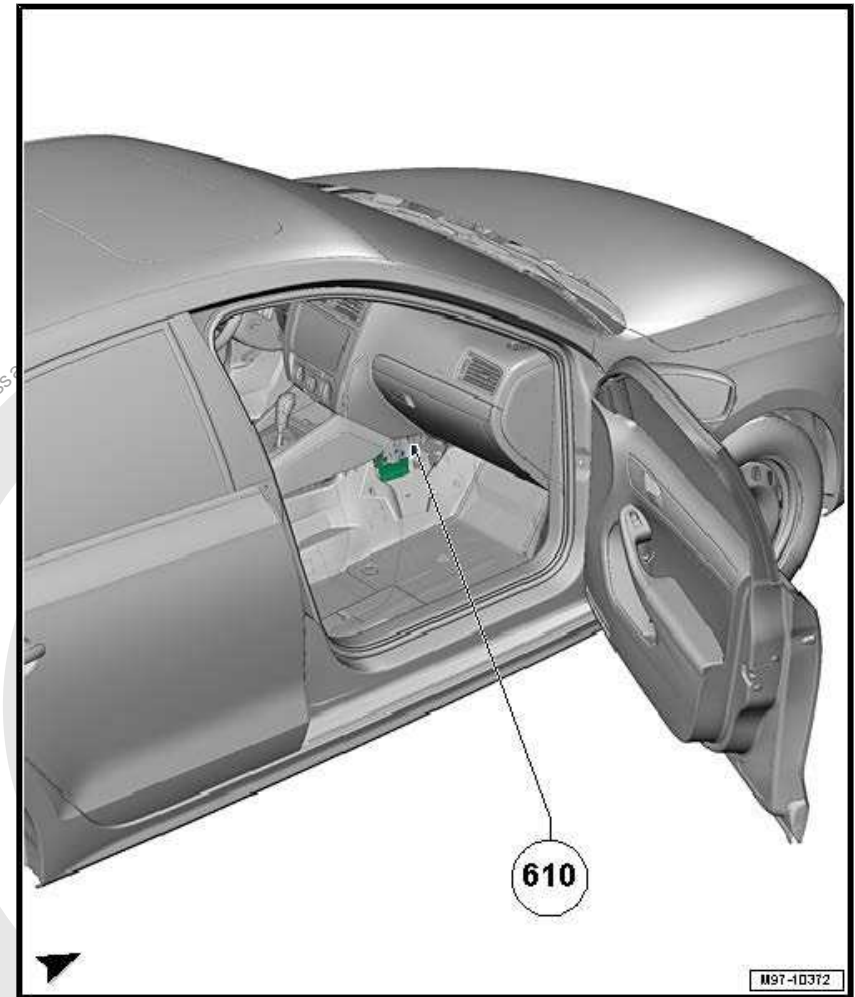


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Specified torque: 9 Nm

610 - Earth point (audio), front below centre console

- Specified torque: 9 Nm



602 - Earth point in front left footwell -A-

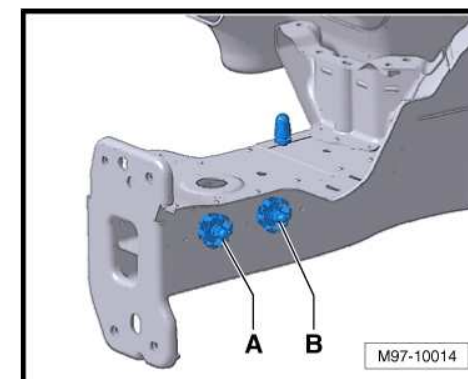
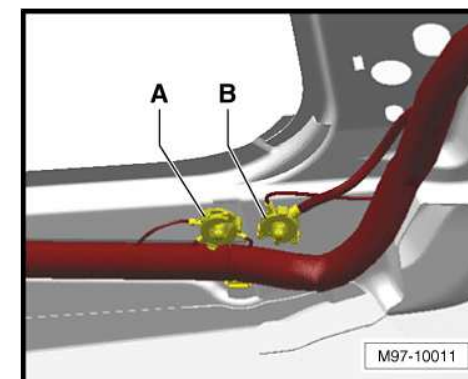
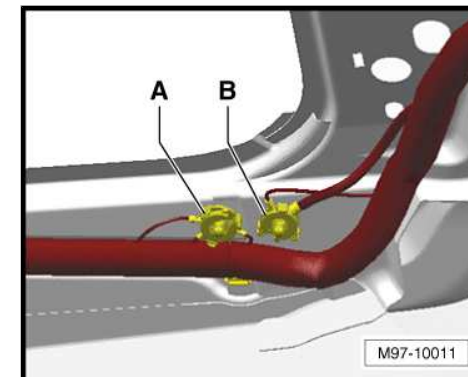
Specified torque: 9 Nm

44 - Earth point, lower part of left A-pillar -B-

Specified torque: 9 Nm

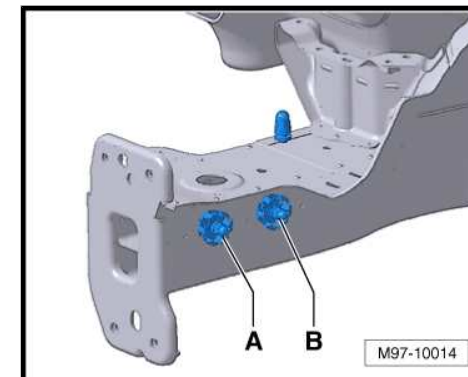
12 - Earth point on left in engine compartment -B-

Specified torque: 9 Nm



655 - Earth point on left headlight -A-

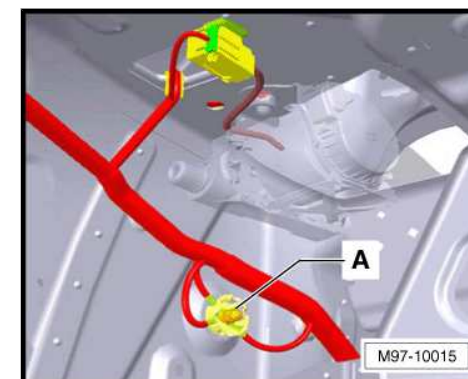
Specified torque: 9 Nm



662 - Earth point in rear left side panel -A-

Specified torque: 9 Nm

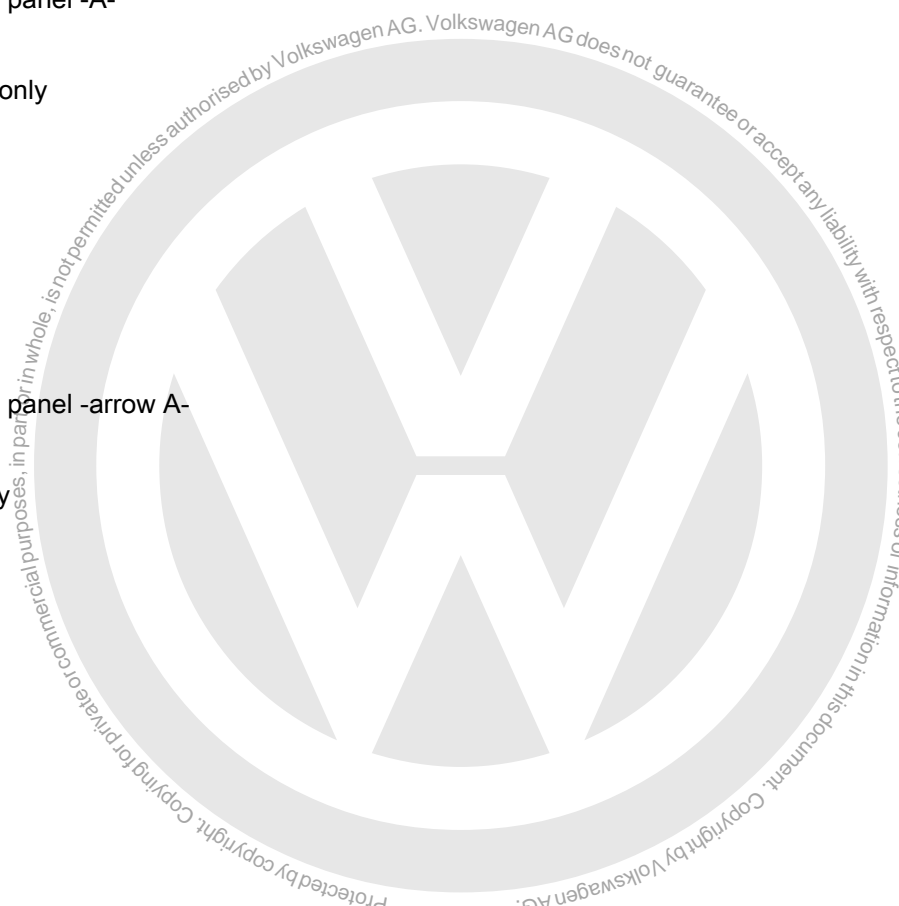
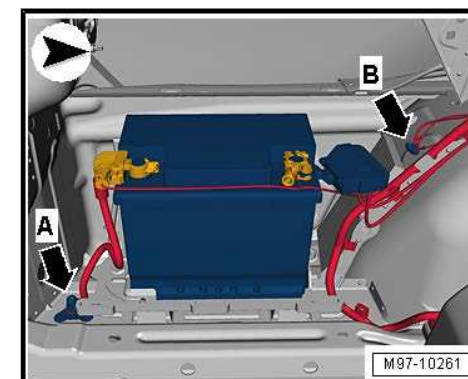
For models with no hybrid drive only



662 - Earth point in rear left side panel -arrow A-

Specified torque: 9 Nm

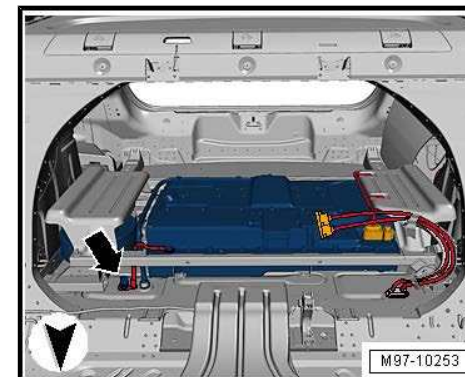
For models with hybrid drive only



701 - Earth point, in luggage compartment -arrow-

Specified torque: 20 Nm

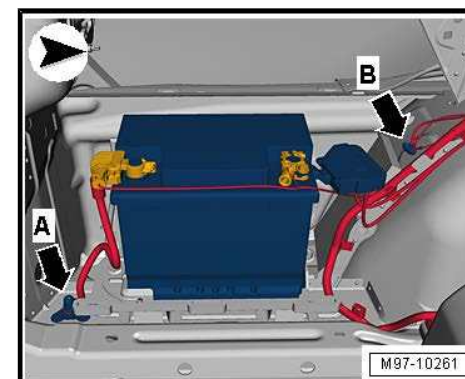
For models with hybrid drive only



624 - Earth point next to starter battery -arrow A-

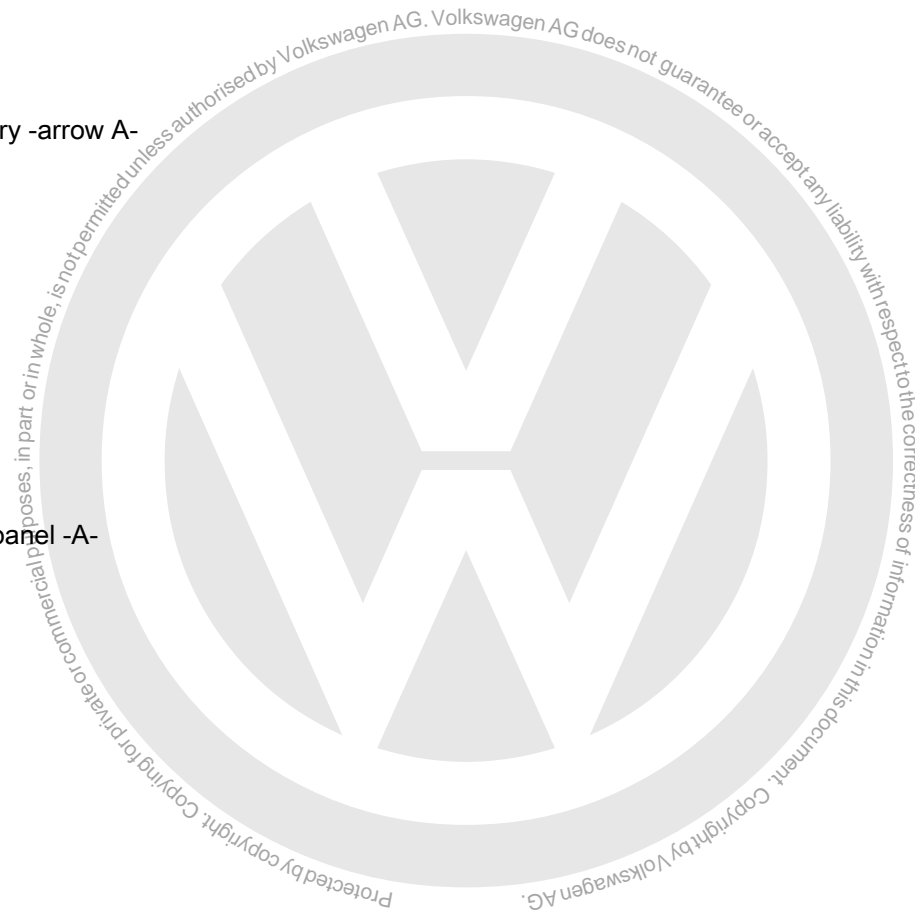
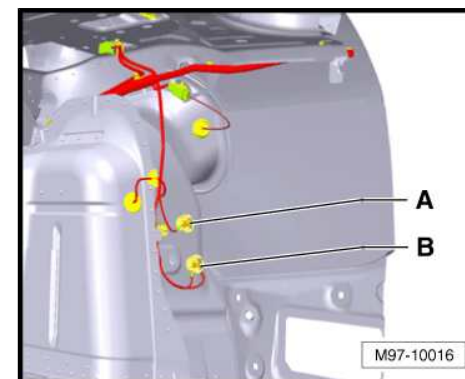
Specified torque: 20 Nm

For models with hybrid drive only

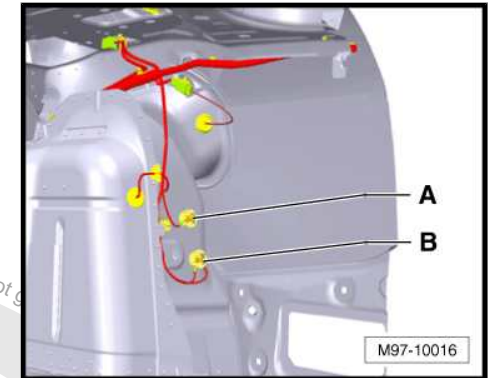


681 - Earth point 1 in rear right side panel -A-

Specified torque: 9 Nm



682 - Earth point 2 in rear right side panel -B-
Specified torque: 9 Nm



1 Fuses

1.1 Overview of fuses (SA), (SB), (SC)

1 - Fuses (SA) on fuse holder A

- Fitting location for E-box with no hybrid system ⇒ [page 2](#)
- Fuse assignment with no hybrid system ⇒ [page 3](#)
- Fitting location for E-box with hybrid system ⇒ [page 3](#)
- Jump start connection -TV32- ⇒ [page 5](#)
- Fuse assignment with hybrid system ⇒ [page 4](#)

2 - Fuse (SB) on fuse holder B

- Fitting location of E-box ⇒ [page 7](#)
- Fuse assignment, from model year 2011 ⇒ [page 8](#)
- Fuse assignment, from model year 2012 ⇒ [page 9](#)
- Fuse assignment, from model year 2013 ⇒ [page 11](#)
- Fuse assignment, from model year 2014 ⇒ [page 14](#)

3 - Fuses (SC) on fuse holder C

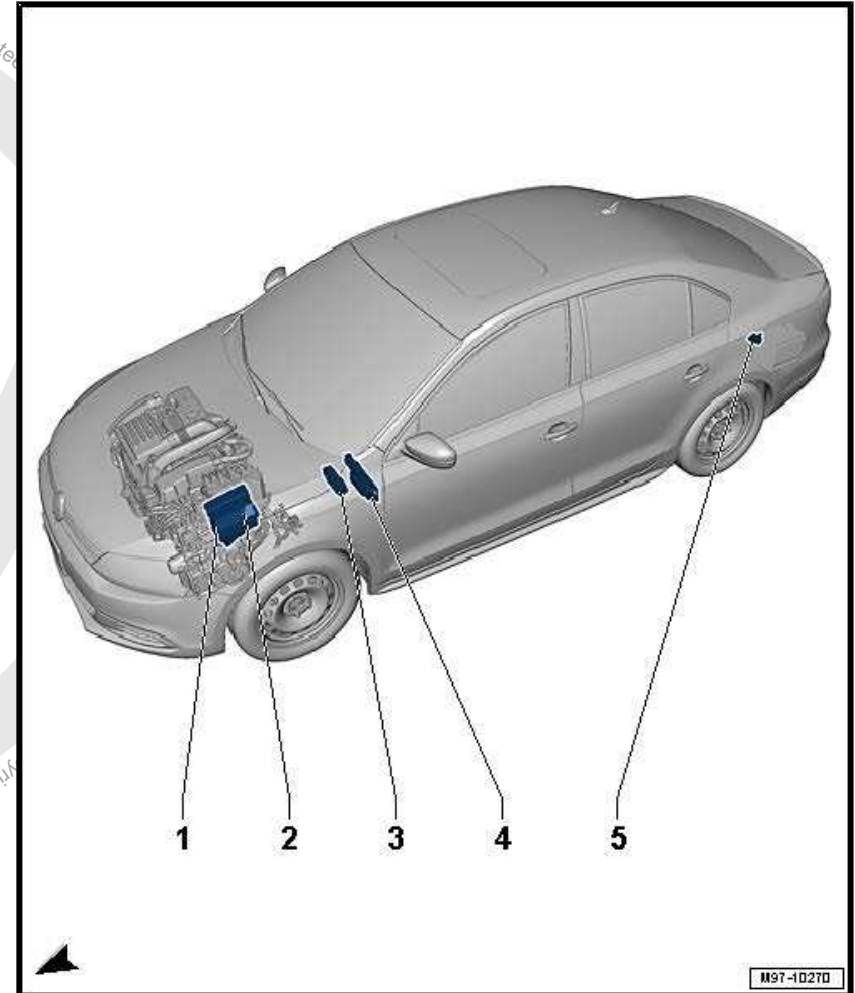
- Fitting location of fuse holder C ⇒ [page 17](#)
- Fuse assignment, from model year 2011 ⇒ [page 18](#)
- Fuse assignment, from model year 2012 ⇒ [page 22](#)
- Fuse assignment, from model year 2013 ⇒ [page 27](#)
- Fuse assignment, from model year 2014 ⇒ [page 32](#)

4 - Driver seat adjustment thermal fuse 1 -S44-

- Fitting location: above relay carrier, nominal value 20 A

5 - Fuses for battery in luggage compartment -S162-, -S163-

- Fitting location/fuse assignment ⇒ [page 37](#)



1.2 Fitting location of fuses (SA) on E-box, with no hybrid system

Only for models with no high-voltage system (hybrid).

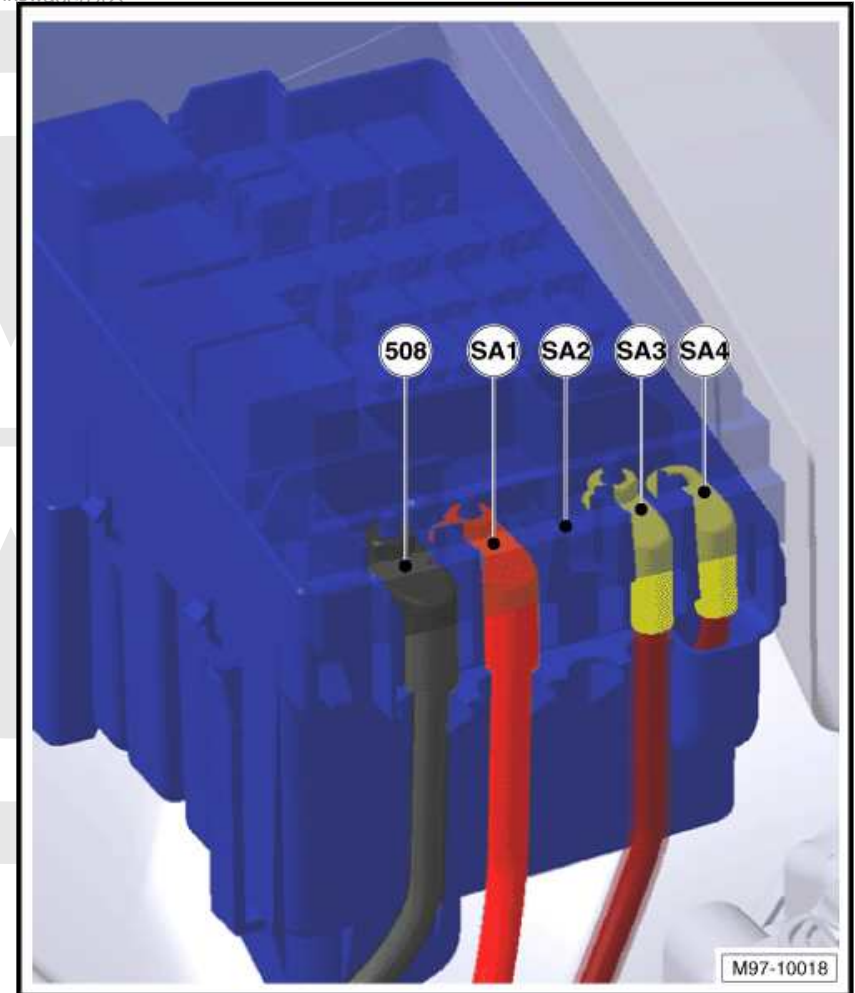
Specified torque settings

⇒ Electrical system, Repair Group 97, Removing and installing fuse holders

Fuse colours

- 200 A - purple
- 150 A - grey
- 125 A - pink
- 100 A - blue
- 80 A - white
- 70 A - brown
- 60 A - yellow
- 50 A - red
- 40 A - green

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[Back to overview ⇒ page 1](#)

1.2.1 Fuse assignment for E-box with no hybrid system

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
508	A 508 Threaded connection (30), on E-box	-	-	30a
1	B Fuse 1 on fuse holder A -SA1-	200 A	- Alternator -C- (140 A)	30a
2	C Fuse 2 on fuse holder A -SA2-	-	- Vacant	30a
3	D Fuse 3 on fuse holder A -SA3-	80 A	- Steering	30a
4	E Fuse 4 on fuse holder A -SA4-	80 A	Interior terminal 30 power supply SC fuses	30a

[Back to overview ⇒ page 1](#)

1.3 Fitting location of fuses (SA) on E-box, with hybrid system

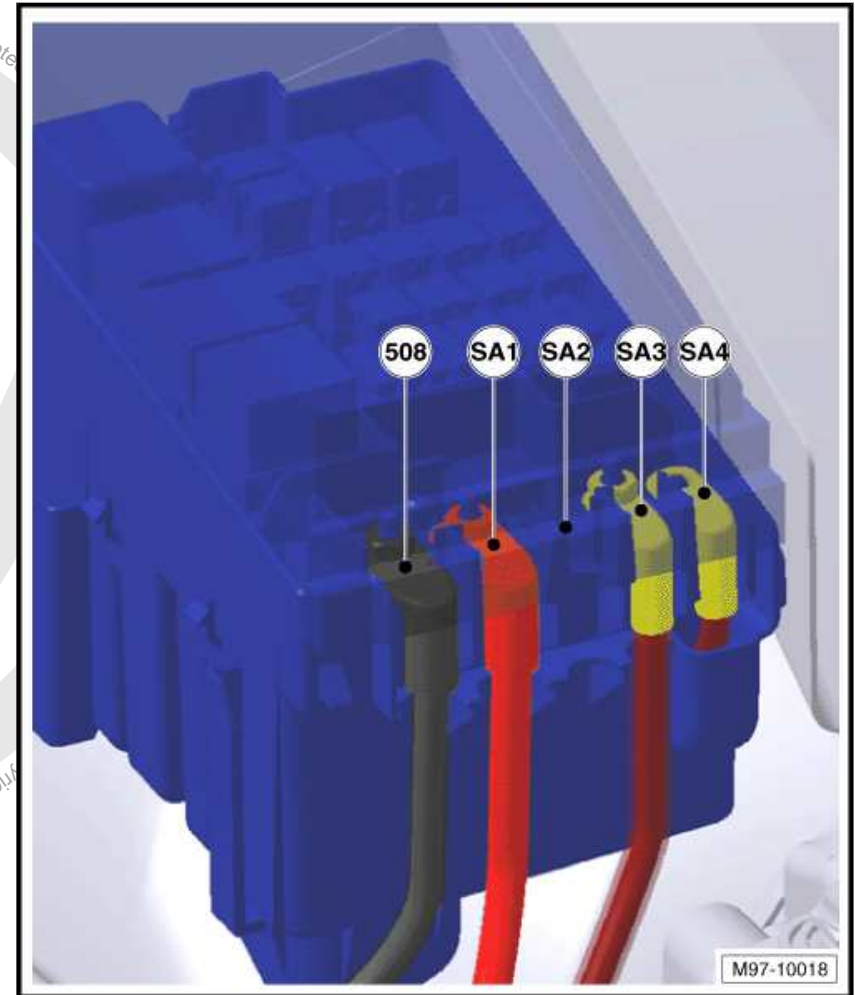
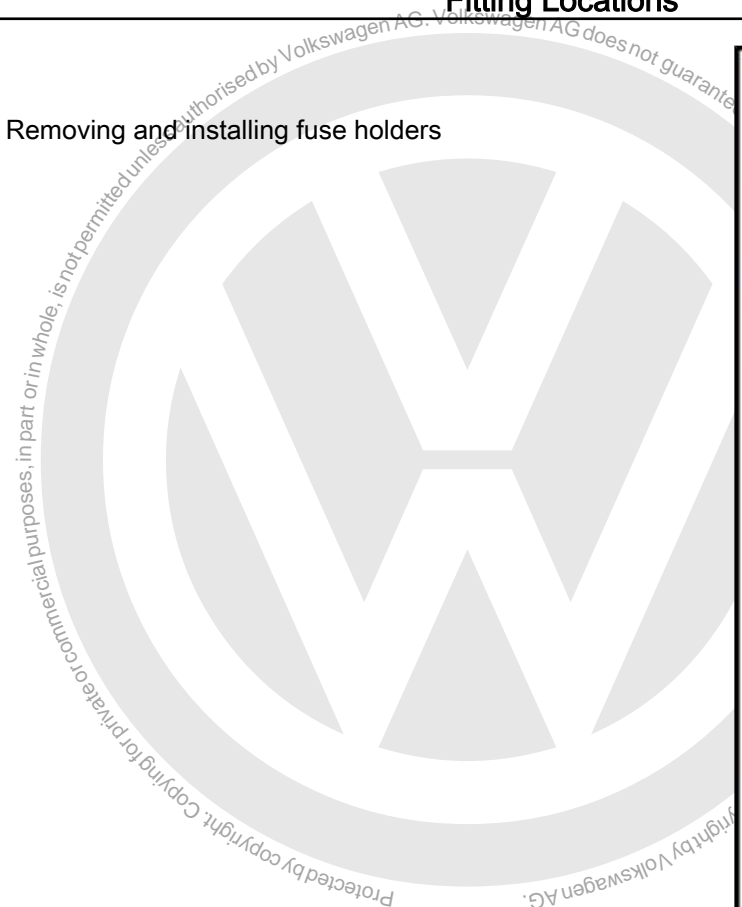
Only for models with high-voltage system (hybrid).

Specified torque settings

⇒ Electrical system, Repair Group 97, Removing and installing fuse holders

Fuse colours

- 200 A - purple
- 150 A - grey
- 125 A - pink
- 100 A - blue
- 80 A - white
- 70 A - brown
- 60 A - yellow
- 50 A - red
- 40 A - green



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1.3.1 Fuse assignment for E-box with hybrid system

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
508	A 508 Threaded connection (30), on E-box	-	-	30a
1	B Fuse 1 on fuse holder A -SA1-	200 A	- power and control electronics for electric drive -JX1- Voltage converter -A19-	30a

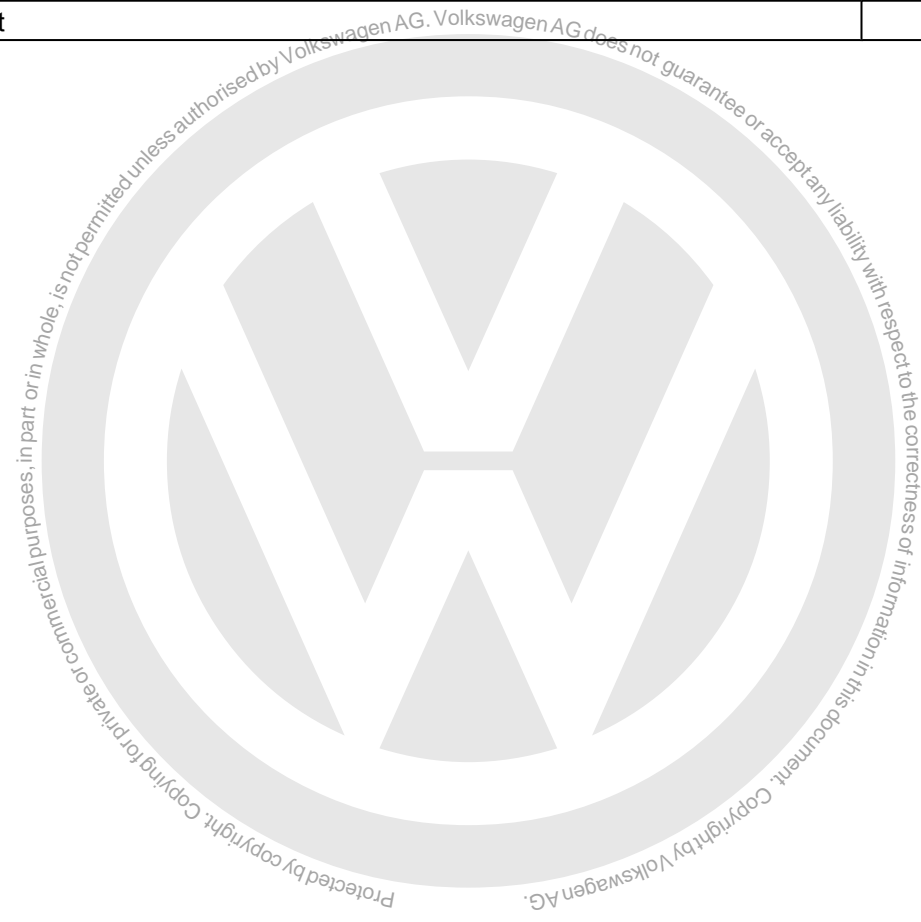
No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
2	C Fuse 2 on fuse holder A -SA2-		- Vacant	30a
3	D Fuse 3 on fuse holder A -SA3-	80 A	- Steering	30a
4	E Fuse 4 on fuse holder A -SA4-		Vacant	

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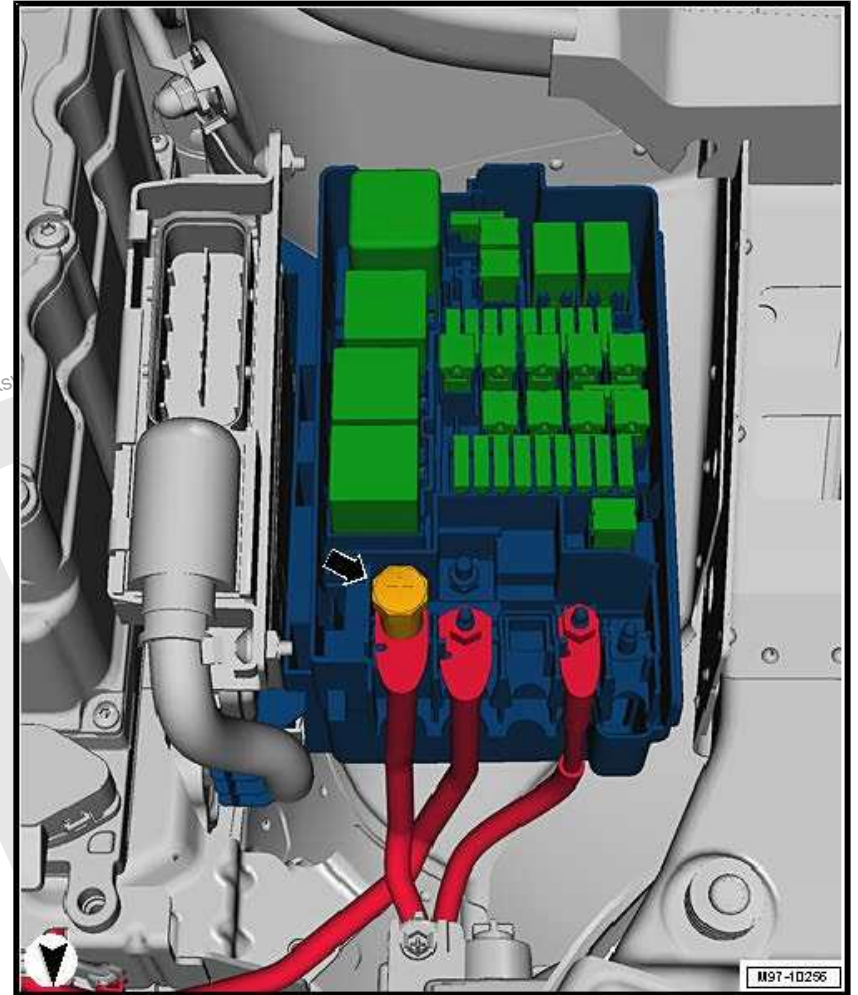
1.3.2 Jump start connection -TV32-

Only for models with high-voltage system (hybrid).

Fitting location: on E-box



1 - Jump start connection -TV32- -Arrow-



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1.4 Fuses (SB) on E-box, on left in engine compartment

1 - Fuse holder B -SB-

- Fuse colours for ATO flat fuse: (SB1 to SB20)

40 A - orange

30 A - light green

25 A - natural (white)

20 A - yellow

15 A - light blue

10 A - red

7.5 A - brown

5 A - light brown

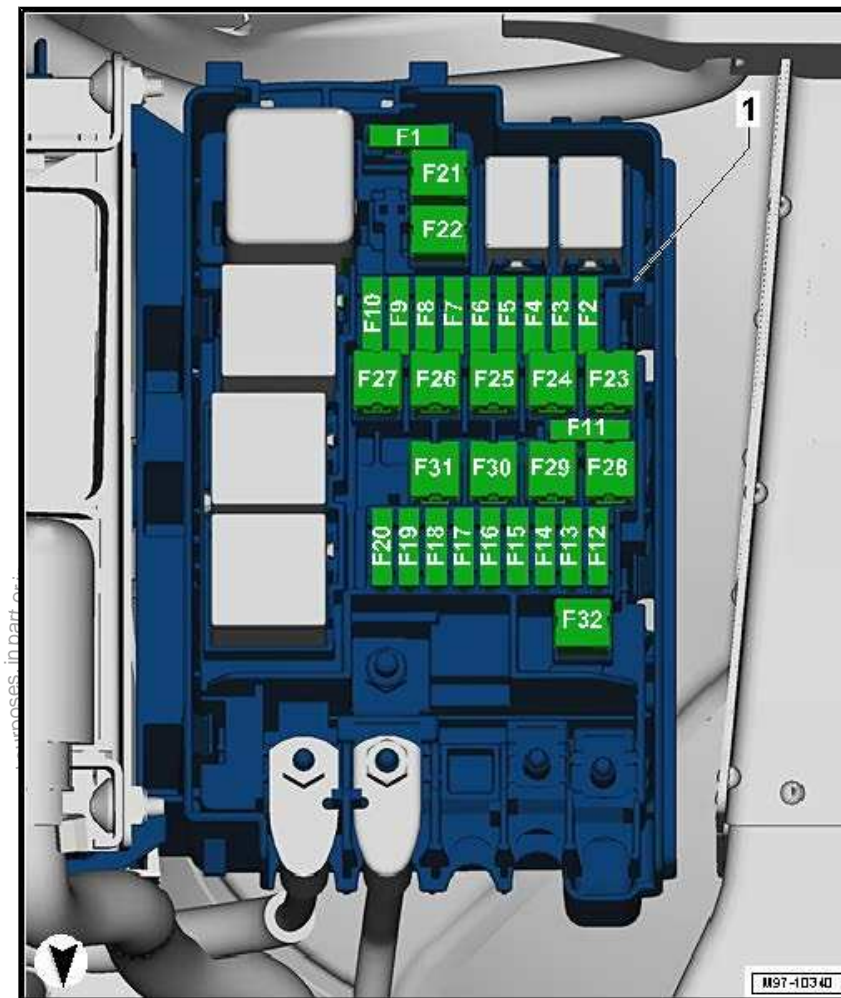
1 A - black

- Fuse colours for J-Case fuse: (SB21 to SB32)

50 A - red

40 A - green

30 A - pink



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1.4.1 E-box fuse assignment (SB), from model year 2011

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder B -SB1-		- Vacant	-
F2	- Fuse 2 on fuse holder B -SB2-	10/15 A	- Engine control unit -J623-	87
F3	- Fuse 3 on fuse holder B -SB3-	5 A	- Radiator fan control unit -J293-	87
F4	- Fuse 4 on fuse holder B -SB4-	5/10/15 A	- Lambda probe heater -Z19- Lambda probe 1 heater after catalytic converter -Z29-	87
F5	- Fuse 5 on fuse holder B -SB5-	5 A 20 A	- Lambda probe heater ¹ - Lambda probe 1 heater after catalytic converter -Z29- ¹ Fuel system diagnostic pump -V144- Charge pressure control solenoid valve -N75- Exhaust gas recirculation cooler changeover valve -N345- Heater element for crankcase breather -N79- Vacuum pump for brakes -V192-	87
F6	- Fuse 6 on fuse holder B -SB6-	5 A 10 A 15 A	- Fuel system diagnostic pump -V144- Throttle valve module -J338- Activated charcoal filter solenoid valve 1 -N80- Continued coolant circulation pump -V51- Auxiliary air heater element -Z35-	87
F7	- Fuse 7 on fuse holder B -SB7-	20 A 5 A	- Ignition transformer -N152- - Fuel pressure regulating valve -N276- ² Fuel metering valve -N290- ²	87
F8	- Fuse 8 on fuse holder B -SB8-	10 A	- Throttle valve module -J338- Activated charcoal filter solenoid valve 1 -N80-	87
F9	- Fuse 9 on fuse holder B -SB9-	5 A	- Automatic glow period control unit -J179- Electric fuel pump 2 relay -J49- Fuel pump relay -J17-	87
F10	- Fuse 10 on fuse holder B -SB10-	5 A	- Speedometer sender -G22- Brake light switch -F-, (T4a/4) ³	87
F11	- Fuse 11 on fuse holder B -SB11-		- Vacant	
F12	- Fuse 12 on fuse holder B -SB12-	5 A	- Coolant circulation pump -V50-	87
F13	- Fuse 13 on fuse holder B -SB13-	5 A	- Coolant pump -V36-	30a
F14	- Fuse 14 on fuse holder B -SB14-	5 A	- Engine control unit -J623-	30a
F15	- Fuse 15 on fuse holder B -SB15-	30 A	- Voltage stabiliser -J532-	30a
F16	- Fuse 16 on fuse holder B -SB16-	30 A	- ABS control unit -J104-	30a
F17	- Fuse 17 on fuse holder B -SB17-	30 A	- Automatic gearbox control unit -J217-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F18	- Fuse 18 on fuse holder B -SB18-	20 A	- Automatic gearbox control unit -J217-	30a
F19	- Fuse 19 on fuse holder B -SB19-	1 A	- Onboard supply control unit -J519-	30a
F20	- Fuse 20 on fuse holder B -SB20-	30 A	Onboard supply control unit -J519- (AW0) Automatic intermittent wash and wipe relay -J31- (AW1)	30a
F21	- Fuse 21 on fuse holder B -SB21-	50 A	- Secondary air pump motor -V101-	30a
F22	- Fuse 22 on fuse holder B -SB22-		- Vacant	
F23	- Fuse 23 on fuse holder B -SB23-	40 A	- ABS control unit -J104-	30a
F24	- Fuse 24 on fuse holder B -SB24-	50 A	- Trailer detector control unit -J345-	
F25	- Fuse 25 on fuse holder B -SB25-	50 A	- Terminal 15 voltage supply relay 2 -J681-	30a
F26	- Fuse 26 on fuse holder B -SB26-	60 A	- Automatic glow period control unit -J179-	30a
F27	- Fuse 27 on fuse holder B -SB27-	60 A	- Radiator fan -V7-	30a
F28	- Fuse 28 on fuse holder B -SB28-	40 A	- Onboard supply control unit -J519- (AW1)	30a
F29	- Fuse 29 on fuse holder B -SB29-	40 A	- Onboard supply control unit -J519- (AW1)	30a
F30	- Fuse 30 on fuse holder B -SB30-	50 A	- Terminal 75 voltage supply relay 1 -J680-	30a
F31	- Fuse 31 on fuse holder B -SB31-	30 A	- Amplifier -R12-	30a
F32	- Fuse 32 on fuse holder B -SB32-		- Vacant	
¹ Only for models with exhaust concept ULEV 2 - (7GB)				
² Only models with diesel engine				
³ Only models with a dual clutch gearbox (DSG)				

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1.4.2 E-box fuse assignment (SB), from model year 2012

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder B -SB1-		- Vacant	-
F2	- Fuse 2 on fuse holder B -SB2-	10/15 A	- Engine control unit -J623-	87
F3	- Fuse 3 on fuse holder B -SB3-	5 A	- Radiator fan control unit -J293-	87
F4	- Fuse 4 on fuse holder B -SB4-	5/10/15 A	- Lambda probe heater -Z19- Lambda probe 1 heater after catalytic converter -Z29-	87

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F5	- Fuse 5 on fuse holder B -SB5-	5 A 10 A/ 20 A	- Lambda probe heater ¹ Fuel system diagnostic pump -V144- Charge pressure control solenoid valve -N75- Exhaust gas recirculation cooler changeover valve -N345- Heater element for crankcase breather -N79- Vacuum pump for brakes -V192-	87
F6	- Fuse 6 on fuse holder B -SB6-	5/10/15 A	- Fuel system diagnostic pump -V144- Throttle valve module -J338- Activated charcoal filter solenoid valve 1 -N80-	87
F6	- Fuse 6 on fuse holder B -SB6-	10 A 15 A	- Coolant pump -V36- Auxiliary air heater element -Z35- , low heat output	87
F7	- Fuse 7 on fuse holder B -SB7-	20 A	- Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292- Ignition transformer -N152-	87
F7	- Fuse 7 on fuse holder B -SB7-	5 A	Fuel pressure regulating valve -N276- ² Fuel metering valve -N290- ²	87
F8	- Fuse 8 on fuse holder B -SB8-	10 A	- Throttle valve module -J338- Charge pressure control solenoid valve -N75- Activated charcoal filter solenoid valve 1 -N80- Camshaft control valve 1 -N205- Turbocharger air recirculation valve -N249-	87
F9	- Fuse 9 on fuse holder B -SB9-	5 A 15 A ¹	- Automatic glow period control unit -J179- Electric fuel pump 2 relay -J49- Fuel pump relay -J17- Fuel pressure regulating valve -N276-	87
F10	- Fuse 10 on fuse holder B -SB10-	5 A	- Speedometer sender -G22- Brake light switch -F- ³ Clutch position sender -G476- Additional coolant pump relay -J496-	87
F11	- Fuse 11 on fuse holder B -SB11-		- Vacant	
F12	- Fuse 12 on fuse holder B -SB12-	5 A	- Coolant circulation pump -V50-	87
F12	- Fuse 12 on fuse holder B -SB12-	20 A	- Vacuum pump relay -J318- Vacuum pump for brakes -V192-	87
F13	- Fuse 13 on fuse holder B -SB13-	5 A	- Fuel pump relay -J17- Fuel system pressurisation pump -G6- Coolant pump -V36-	30a
F14	- Fuse 14 on fuse holder B -SB14-	5 A	- Engine control unit -J623-	30a
F15	- Fuse 15 on fuse holder B -SB15-	30 A	- Voltage stabiliser -J532-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F16	- Fuse 16 on fuse holder B -SB16-	30 A	- ABS control unit -J104-	30a
F17	- Fuse 17 on fuse holder B -SB17-	30 A	- Mechatronic unit for dual clutch gearbox -J743-	30a
F18	- Fuse 18 on fuse holder B -SB18-	20 A	- Mechatronic unit for dual clutch gearbox -J743-	30a
F19	- Fuse 19 on fuse holder B -SB19-	1 A	- Onboard supply control unit -J519- (AW0)	30a
F20	- Fuse 20 on fuse holder B -SB20-	30 A	Onboard supply control unit -J519- (AW0) Automatic intermittent wash and wipe relay -J31- (AW1) Wiper motor switch-over relay 1 -J368- (AW1) Wiper motor switch-over relay 2 -J369- (AW1)	30a
F21	- Fuse 21 on fuse holder B -SB21-	50 A	- Secondary air pump motor -V101-	87
F22	- Fuse 22 on fuse holder B -SB22-		- Vacant	
F23	- Fuse 23 on fuse holder B -SB23-	40 A	- ABS control unit -J104-	30a
F24	- Fuse 24 on fuse holder B -SB24-	50 A	- Trailer detector control unit -J345-	30a
F25	- Fuse 25 on fuse holder B -SB25-	50 A	Terminal 15 voltage supply relay -J329- Terminal 15 voltage supply relay 2 -J681-	30a
F26	- Fuse 26 on fuse holder B -SB26-	50 A	- Automatic glow period control unit -J179-	30a
F27	- Fuse 27 on fuse holder B -SB27-	60 A	- Radiator fan -V7-	30a
F28	- Fuse 28 on fuse holder B -SB28-	40 A	- Onboard supply control unit -J519- (AW1)	30a
F29	- Fuse 29 on fuse holder B -SB29-	40 A	- Onboard supply control unit -J519- (AW1)	30a
F30	- Fuse 30 on fuse holder B -SB30-	50 A	- Terminal 75 voltage supply relay 1 -J680-	30a
F31	- Fuse 31 on fuse holder B -SB31-	30 A	- Amplifier -R12-	30a
F32	- Fuse 32 on fuse holder B -SB32-	40 A	- Auxiliary air heater element -Z35-	87
¹ Only for models with exhaust concept ULEV 2 - (7GB)				
² Only models with diesel engine				
³ Only models with a dual clutch gearbox (DSG)				

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1.4.3 E-box fuse assignment (SB), from model year 2013

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder B -SB1-		- Vacant	-
F2	- Fuse 2 on fuse holder B -SB2-	10/15 A	- Engine control unit -J623-	87
F3	- Fuse 3 on fuse holder B -SB3-	5 A	- Radiator fan control unit -J293-	87

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F4	Fuse 4 on fuse holder B -SB4-	5/10/15 A	- Lambda probe heater -Z19- - Lambda probe 1 heater after catalytic converter -Z29- - Coolant pump for high-temperature circuit -V467- ⁴ - Coolant pump for low-temperature circuit -V468-	87
F5	Fuse 5 on fuse holder B -SB5-	5 A 10 A/ 20 A	- Lambda probe heater ¹ - Lambda probe 2 heater -Z28- ⁴ - Fuel system diagnostic pump -V144- - Charge pressure control solenoid valve -N75- - Exhaust gas recirculation cooler changeover valve -N345- - Heater element for crankcase breather -N79- - Air mass meter -G70- ⁵ - Vacuum pump relay -J318- - Vacuum pump for brakes -V192-	87
F6	Fuse 6 on fuse holder B -SB6-	5/10/15 A 20 A	- Fuel system diagnostic pump -V144- - Activated charcoal filter solenoid valve 1 -N80- - Fuel tank shut-off valve -N288- - Secondary air pump relay -J299- ⁴	87
F6	Fuse 6 on fuse holder B -SB6-	10 A 15 A	- Coolant pump -V36- - Auxiliary air heater element -Z35- - Low heat output relay -J359- - High heat output relay -J360-	87
F7	Fuse 7 on fuse holder B -SB7-	20 A	- Ignition coil 1 with output stage -N70- - Ignition coil 2 with output stage -N127- - Ignition coil 3 with output stage -N291- - Ignition coil 4 with output stage -N292- - Ignition transformer -N152-	87
F7	Fuse 7 on fuse holder B -SB7-	5 A	- Fuel pressure regulating valve -N276- ² - Fuel metering valve -N290- ²	87
F8	Fuse 8 on fuse holder B -SB8-	10 A	- Throttle valve module -J338- - Charge pressure control solenoid valve -N75- - Activated charcoal filter solenoid valve 1 -N80- - Camshaft control valve 1 -N205- - Turbocharger air recirculation valve -N249- - Intake manifold flap valve -N316- - Exhaust camshaft control valve 1 -N318- ⁴ - Valve for oil pressure control -N428- ⁴ - Pressure regulator for disengagement clutch -N511- ⁴ - Refrigerant shut-off valve 1 for hybrid battery -N516- ⁴	87

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F9	- Fuse 9 on fuse holder B -SB9-	5 A 15 A ¹	- Automatic glow period control unit -J179- - Electric fuel pump 2 relay -J49- - Fuel pump relay -J17- - Fuel pressure regulating valve -N276- - Continued coolant circulation relay -J151- - Coolant circulation pump 2 -V178-	87
F10	- Fuse 10 on fuse holder B -SB10-	5 A	- Brake light switch -F- ³ - Clutch position sender -G476- - Additional coolant pump relay -J496- - Brake servo relay -J569- ⁴	87
F11	- Fuse 11 on fuse holder B -SB11-		- Vacant	
F12	- Fuse 12 on fuse holder B -SB12-	5 A	- Coolant circulation pump -V50-	87
F13	- Fuse 13 on fuse holder B -SB13-	5 A 20 A	- Additional coolant pump relay -J496- - Coolant pump -V36- - Brake servo relay -J569- ⁴ - Vacuum pump for brakes -V192- ⁴	30a
F14	- Fuse 14 on fuse holder B -SB14-	5 A	- Engine control unit -J623- - Main relay -J271-	30a
F15	- Fuse 15 on fuse holder B -SB15-	30 A	- Voltage stabiliser -J532-	30a
F16	- Fuse 16 on fuse holder B -SB16-	30 A	- ABS control unit -J104-	30a
F17	- Fuse 17 on fuse holder B -SB17-	30 A	- Mechatronic unit for dual clutch gearbox -J743-	30a
F18	- Fuse 18 on fuse holder B -SB18-	20 A	- Mechatronic unit for dual clutch gearbox -J743-	30a
F19	- Fuse 19 on fuse holder B -SB19-	1 A	- Onboard supply control unit -J519- (T52a/24) AW1, (T73b/59) AW0	30a
F20	- Fuse 20 on fuse holder B -SB20-	30 A	- Onboard supply control unit -J519- (AW0) - Automatic intermittent wash and wipe relay -J31- (AW1) - Wiper motor switch-over relay 1 -J368- (AW1) - Wiper motor switch-over relay 2 -J369- (AW1)	30a
F21	- Fuse 21 on fuse holder B -SB21-	50 A	- Secondary air pump motor -V101-	87
F22	- Fuse 22 on fuse holder B -SB22-	40 A	- Auxiliary air heater element -Z35-	87
F23	- Fuse 23 on fuse holder B -SB23-	40 A	- ABS control unit -J104-	30a
F24	- Fuse 24 on fuse holder B -SB24-	50 A	- Trailer detector control unit -J345-	30a
F25	- Fuse 25 on fuse holder B -SB25-	50 A	- Terminal 15 voltage supply relay -J329- - Terminal 15 voltage supply relay 2 -J681-	30a
F26	- Fuse 26 on fuse holder B -SB26-	50A 40A	- Automatic glow period control unit -J179- - Secondary air pump relay -J299- - Secondary air pump motor -V101- ⁴	30a
F27	- Fuse 27 on fuse holder B -SB27-	50 A	- Radiator fan -V7-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F28	- Fuse 28 on fuse holder B -SB28-	40 A	- Onboard supply control unit -J519- (AW1)	30a
F29	- Fuse 29 on fuse holder B -SB29-	40 A	- Onboard supply control unit -J519- (AW1)	30a
F30	- Fuse 30 on fuse holder B -SB30-	50 A	- Terminal 75 voltage supply relay 1 -J680-	30a
F31	- Fuse 31 on fuse holder B -SB31-	30 A	- Amplifier -R12-	30a
F32	- Fuse 32 on fuse holder B -SB32-	40 A	- Auxiliary air heater element -Z35-	87
1 Only for models with exhaust concept ULEV 2 - (7GB)				
2 Only models with diesel engine				
3 Only models with a dual clutch gearbox (DSG)				
4 Engine code CNLA				
5 Engine code CFFB				

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1.4.4 E-box fuse assignment (SB), from model year 2014

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder B -SB1-		- Vacant	-
F2	- Fuse 2 on fuse holder B -SB2-	10/15 A	- Engine control unit -J623- - Engine component current supply relay -J757-	87
F3	- Fuse 3 on fuse holder B -SB3-	5A 10A	- Radiator fan control unit -J293- - Low heat output relay -J359- - High heat output relay -J360-	87
F4	- Fuse 4 on fuse holder B -SB4-	5/10/15 A	- Lambda probe heater -Z19- - Lambda probe 1 heater after catalytic converter -Z29- - Coolant pump for high-temperature circuit -V467- ³ - Coolant pump for low-temperature circuit -V468-	87
F5	- Fuse 5 on fuse holder B -SB5-	5 A 10 A/ 20 A	- Lambda probe heater ¹ - Lambda probe 2 heater -Z28- ³ - Fuel system diagnostic pump -V144- - Charge pressure control solenoid valve -N75- - Exhaust gas recirculation cooler changeover valve -N345- - Heater element for crankcase breather -N79- - Air mass meter -G70- ⁴ - Vacuum pump relay -J318- - Vacuum pump for brakes -V192-	87

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F6	- Fuse 6 on fuse holder B -SB6-	5/10/15 A 20 A	- Fuel system diagnostic pump -V144- Activated charcoal filter solenoid valve 1 -N80- Fuel tank shut-off valve -N288- Secondary air pump relay -J299- ¹	87
F6	- Fuse 6 on fuse holder B -SB6-	10 A 15 A	- Coolant pump -V36- Auxiliary air heater element -Z35- Low heat output relay -J359- High heat output relay -J360-	87
F7	- Fuse 7 on fuse holder B -SB7-	20 A	- Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292- Ignition transformer -N152-	87
F7	- Fuse 7 on fuse holder B -SB7-	5 A	Fuel pressure regulating valve -N276- ² Fuel metering valve -N290- ²	87
F8	- Fuse 8 on fuse holder B -SB8-	10 A	- Throttle valve module -J338- Charge pressure control solenoid valve -N75- Activated charcoal filter solenoid valve 1 -N80- Camshaft control valve 1 -N205- Turbocharger air recirculation valve -N249- Intake manifold flap valve -N316- Exhaust camshaft control valve 1 -N318- ³ Valve for oil pressure control -N428- ³ Pressure regulator for disengagement clutch -N511- ³ Refrigerant shut-off valve 1 for hybrid battery -N516- ³	87
F9	- Fuse 9 on fuse holder B -SB9-	5 A 15 A ¹	- Sender 1 for secondary air pressure -G609- Sender 2 for secondary air pressure -G610- Automatic glow period control unit -J179- Electric fuel pump 2 relay -J49- Fuel pump relay -J17- Activated charcoal filter solenoid valve 1 -N80- Camshaft control valve 1 -N205- Fuel pressure regulating valve -N276- Continued coolant circulation pump -V51- Continued coolant circulation relay -J151- Coolant circulation pump 2 -V178-	87
F10	- Fuse 10 on fuse holder B -SB10-	5 A	- Brake light switch -F- Clutch position sender -G476- Additional coolant pump relay -J496- Brake servo relay -J569- ³	87
F11	- Fuse 11 on fuse holder B -SB11-		- Vacant	

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F12	Fuse 12 on fuse holder B -SB12-	5 A	Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292- Coolant circulation pump -V50-	87
F13	Fuse 13 on fuse holder B -SB13-	5 A 20 A	Additional coolant pump relay -J496- Coolant pump -V36- Brake servo relay -J569- ³ Vacuum pump for brakes -V192- ³	30a
F14	Fuse 14 on fuse holder B -SB14-	5 A	Engine control unit -J623- Main relay -J271-	30a
F15	Fuse 15 on fuse holder B -SB15-	30 A	Voltage stabiliser -J532-	30a
F16	Fuse 16 on fuse holder B -SB16-	30 A	ABS control unit -J104-	30a
F17	Fuse 17 on fuse holder B -SB17-	30 A	Mechatronic unit for dual clutch gearbox -J743-	30a
F18	Fuse 18 on fuse holder B -SB18-	20 A	Mechatronic unit for dual clutch gearbox -J743-	30a
F19	Fuse 19 on fuse holder B -SB19-	1 A	Onboard supply control unit -J519- (T52a/24) AW1, (T73b/59) AW0	30a
F20	Fuse 20 on fuse holder B -SB20-	30 A	Onboard supply control unit -J519- (AW0) Automatic intermittent wash and wipe relay -J31- (AW1) Wiper motor switch-over relay 1 -J368- (AW1) Wiper motor switch-over relay 2 -J369- (AW1)	30a
F21	Fuse 21 on fuse holder B -SB21-	50 A	Secondary air pump motor -V101-	87
F22	Fuse 22 on fuse holder B -SB22-	40 A	Auxiliary air heater element -Z35-	87
F23	Fuse 23 on fuse holder B -SB23-	40 A	ABS control unit -J104-	30a
F24	Fuse 24 on fuse holder B -SB24-	50 A	Trailer detector control unit -J345-	30a
F25	Fuse 25 on fuse holder B -SB25-	50 A	Terminal 15 voltage supply relay -J329- Terminal 15 voltage supply relay 2 -J681-	30a
F26	Fuse 26 on fuse holder B -SB26-	50 A 40 A	Automatic glow period control unit -J179- Secondary air pump relay -J299- Secondary air pump motor -V101- ³	30a
F27	Fuse 27 on fuse holder B -SB27-	50 A	Radiator fan -V7-	30a
F28	Fuse 28 on fuse holder B -SB28-	40 A	Onboard supply control unit -J519- (AW1)	30a
F29	Fuse 29 on fuse holder B -SB29-	40 A	Onboard supply control unit -J519- (AW1)	30a
F30	Fuse 30 on fuse holder B -SB30-	50 A	Terminal 75 voltage supply relay 1 -J680-	30a
F31	Fuse 31 on fuse holder B -SB31-	30 A	Amplifier -R12-	30a
F32	Fuse 32 on fuse holder B -SB32-	40 A	Auxiliary air heater element -Z35-	87

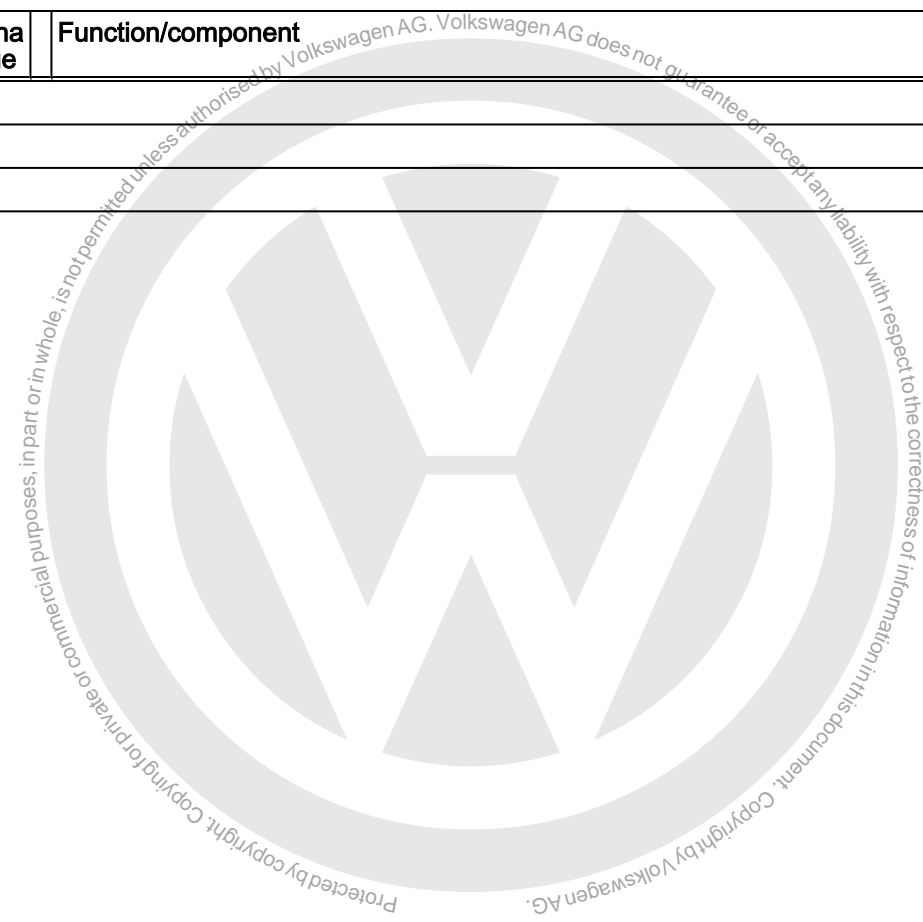
¹ Only for models with exhaust concept ULEV 2 - (7GB)

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
2	Only models with diesel engine			
3	Engine code CNLA, CRJA			
4	Engine code CFFB			

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1.5 Overview of fuses (SC)

1.5.1 Fuse colours

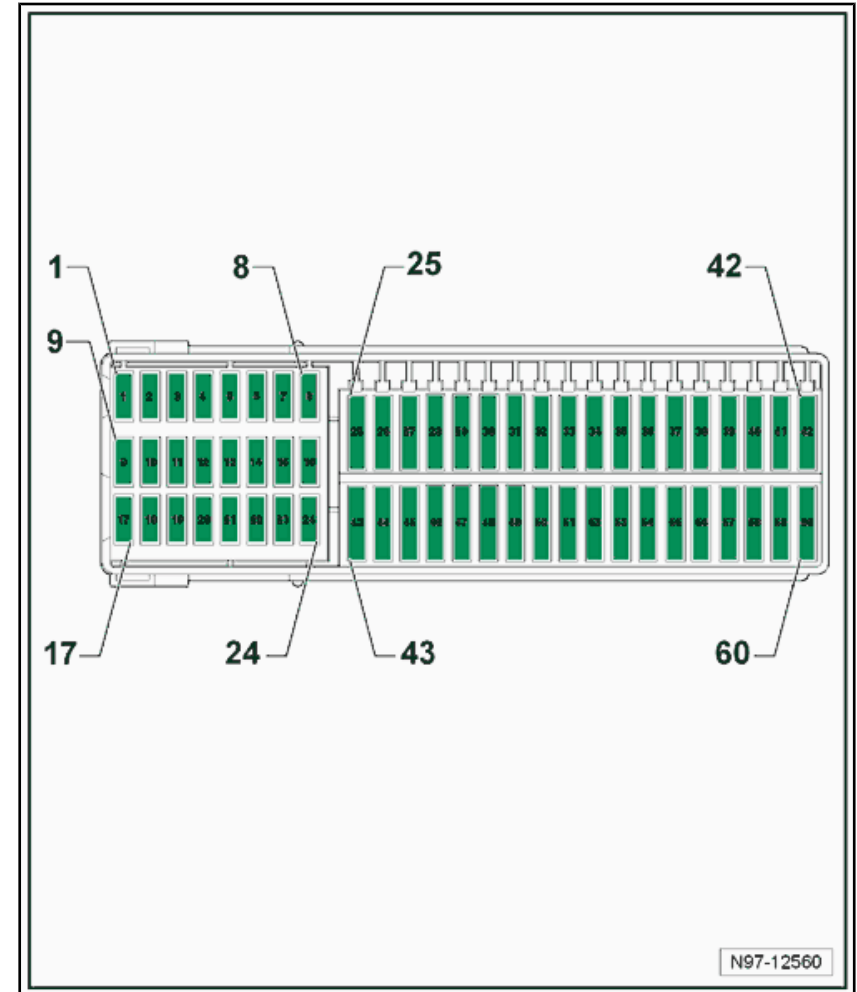
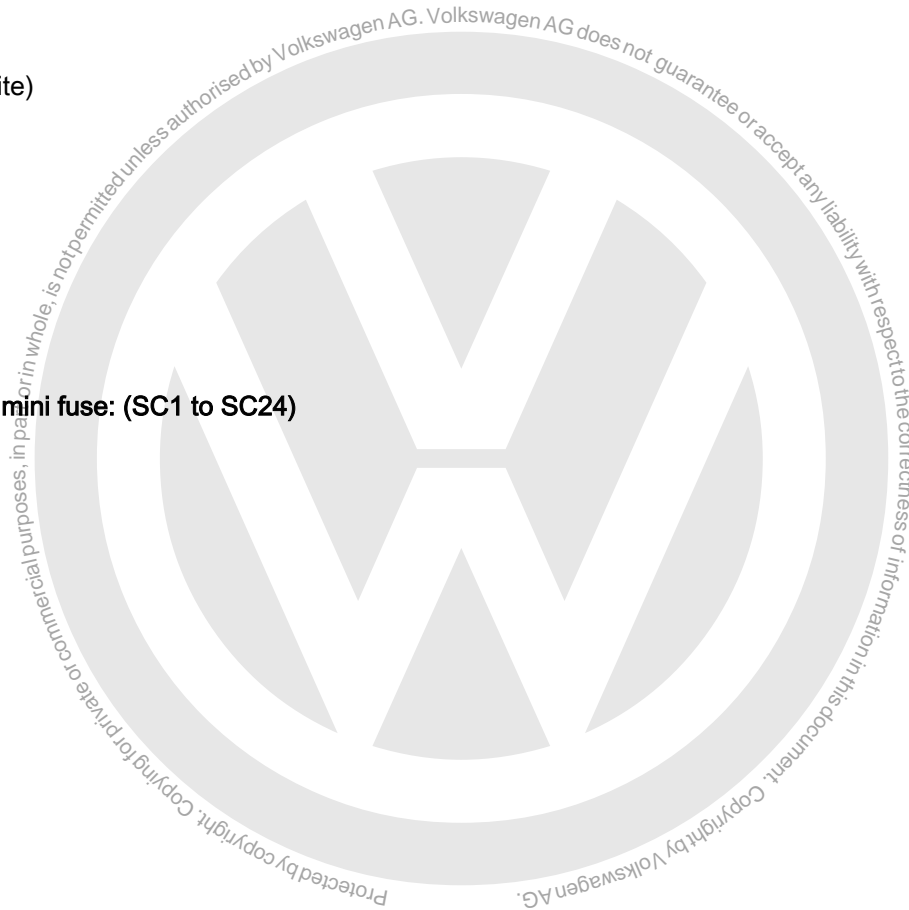


- Fuse colours for ATO flat fuse: (SC25 to SC60)

- 40 A - orange
- 30 A - light green
- 25 A - natural (white)
- 20 A - yellow
- 15 A - light blue
- 10 A - red
- 7.5 A - brown
- 5 A - light brown

- Fuse colours for mini fuse: (SC1 to SC24)

- 20 A - yellow
- 15 A - light blue
- 10 A - red
- 7.5 A - brown
- 5 A - light brown
- 1 A - black



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1.5.2 Fuse assignment (SC), from model year 2011

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder C -SC1-	-	- Vacant	-
F2	- Fuse 2 on fuse holder C -SC2-	5 A	- Electronic steering column lock control unit -J764-	30a
F3	- Fuse 3 on fuse holder C -SC3-	10 A	- Control unit in dash panel insert -J285- , (T32/32)	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F4	- Fuse 4 on fuse holder C -SC4-	-	- Vacant	-
F5	- Fuse 5 on fuse holder C -SC5-	-	- Vacant	-
F6	- Fuse 6 on fuse holder C -SC6-	10 A	- Onboard supply control unit -J519- , (T73a/66) (AW0 only)	30a
F7	- Fuse 7 on fuse holder C -SC7-	5 A	- Fog light relay -J5- , (AW0 only) ¹ Switch and instrument illumination regulator -E20- , (AW0 only) Number plate light -X- Onboard supply control unit -J519- , (T52c/27) (only AW1)	58
F8	- Fuse 8 on fuse holder C -SC8-	7.5 A	- Washer pump switch (automatic wash/wipe and headlight washer system) -E44- (AW0 only) Washer pump -V5- , (AW0 only)	15a
F8	- Fuse 8 on fuse holder C -SC8-	-	- Vacant, (AW1 only)	-
F9	- Fuse 9 on fuse holder C -SC9-	5 A	- Airbag control unit -J234-	15a
F10	- Fuse 10 on fuse holder C -SC10-	10 A	- Right steering column switch -EX20- , (AW0 only)	15a
F11	- Fuse 11 on fuse holder C -SC11-	-	- Vacant	-
F12	- Fuse 12 on fuse holder C -SC12-	-	- Vacant	-
F13	- Fuse 13 on fuse holder C -SC13-	5 A	- Automatic anti-dazzle interior mirror -Y7- Light sensor -G399- Parking aid control unit -J446- Air quality sensor -G238- High-pressure sender -G65- Climatronic control unit -J255- Tyre Pressure Monitoring System button -E226- Reversing light switch -F4- Left washer jet heater element -Z20- Right washer jet heater element -Z21- 28-pin connector -T28- , (T28/10)	15a
F14	- Fuse 14 on fuse holder C -SC14-	10 A	- Left steering column switch -EX19- ABS control unit -J104- Light switch -E1- , (T10h/4) (AW1 only) Airbag coil connector and return ring with slip ring -F138- Fuel pump control unit -J538- Data bus diagnostic interface -J533- , (only AW1)	15a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F15	- Fuse 15 on fuse holder C -SC15-	10 A	- 16-pin connector -T16- , (Diagnostic connection) Switch and instrument illumination regulator -E20- Headlight range control regulator -E102- , (AW1 only) Auxiliary heater operation relay -J485- Air mass meter -G70- Heater element for crankcase breather -N79- Front left headlight -MX1- Left headlight range control motor -V48- Front right headlight -MX2- Right headlight range control motor -V49-	15a
F16	- Fuse 16 on fuse holder C -SC16-	10 A	- Engine control unit -J623-	15a
F17	- Fuse 17 on fuse holder C -SC17-	-	- Vacant	
F18	- Fuse 18 on fuse holder C -SC18-	15 A	- Front left headlight -MX1-	56b
F19	- Fuse 19 on fuse holder C -SC19-	15 A	- Front right headlight -MX2-	56b
F20	- Fuse 20 on fuse holder C -SC20-	10 A	- Automatic gearbox control unit -J217- Selector lever sensors control unit -J587- Tiptronic switch -F189- Climatronic control unit -J255- Ignition/starter switch -D-	30a
F21	- Fuse 21 on fuse holder C -SC21-	-	- Vacant	-
F22	- Fuse 22 on fuse holder C -SC22-	10 A	- Ignition/starter switch -D- Converter box -J935- Alarm horn -H12- Interior monitoring sensor -G273- Alarm horn relay -J641- Dual tone horn relay -J4-	30a
F23	- Fuse 23 on fuse holder C -SC23-	10 A	- Onboard supply control unit -J519- , (T73b/39) (AW0 only) 16-pin connector -T16- , (Diagnostic connection) Light switch -E1- , (AW1 only) Rain and light sensor -G397- Magnetic field sender for compass -G197-	30a
F24	- Fuse 24 on fuse holder C -SC24-	10 A	- Onboard supply control unit -J519- , (T73a/64) (AW0 only) Entry and start authorisation control unit -J518-	30a
F25	- Fuse 25 on fuse holder C -SC25-	15 A	- Automatic gearbox control unit -J217- Selector lever sensors control unit -J587- Multifunction switch -F125-	15a
F26	- Fuse 26 on fuse holder C -SC26-	15 A	- Vacuum pump for brakes -V192-	15a
F27	- Fuse 27 on fuse holder C -SC27-	-	- Vacant	-
F28	- Fuse 28 on fuse holder C -SC28-	40 A	- Auxiliary heater operation relay -J485-	75a
F29	- Fuse 29 on fuse holder C -SC29-	1 A	- Onboard supply control unit -J519- , (T73b/51) (only AW0)	-

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F30	- Fuse 30 on fuse holder C -SC30-	20 A	- Cigarette lighter -U1- 12 V socket -U5- 12 V socket 2 -U18- Blocking diode -J29-	75a
F31	- Fuse 31 on fuse holder C -SC31-	30 A	- Light switch -E1- , (T17/1) (AW0 only)	75a
F32	- Fuse 32 on fuse holder C -SC32-	20 A	- Light switch -E1- , (T17/2) (AW0 only)	75a
F33	- Fuse 33 on fuse holder C -SC33-	40 A	- Heater/heat output switch -E16- Fresh air blower relay -J13- Air conditioning system control unit -J301- Fresh air blower switch -E9-	75a
F34	- Fuse 34 on fuse holder C -SC34-	15 A	- Front left headlight -MX1- Control unit in dash panel insert -J285-	56a
F35	- Fuse 35 on fuse holder C -SC35-	10 A	- Steering column electronics control unit -J527- Control unit in dash panel insert -J285- Horn plate -H- Data bus diagnostic interface -J533-	30a
F36	- Fuse 36 on fuse holder C -SC36-	25 A	- Onboard supply control unit -J519- , (T73a/16) (AW0 only), (T52b/1) (AW1 only)	30a
F37	- Fuse 37 on fuse holder C -SC37-	15 A	- Front left headlight -MX1-	DRL
F38	- Fuse 38 on fuse holder C -SC38-	15 A	- Front right headlight -MX2-	DRL
F39	- Fuse 39 on fuse holder C -SC39-	15 A	- Dipped beam relay -J331-	56b
F40	- Fuse 40 on fuse holder C -SC40-	15 A	- Trailer detector control unit -J345-	30a
F41	- Fuse 41 on fuse holder C -SC41-	15 A	- Trailer detector control unit -J345-	30a
F42	- Fuse 42 on fuse holder C -SC42-	20 A	- Trailer detector control unit -J345-	30a
F43	- Fuse 43 on fuse holder C -SC43-	30 A	- Front passenger door control unit -J387-	30a
F44	- Fuse 44 on fuse holder C -SC44-	25 A	- Heated rear window relay -J9- , (AW1 only) Onboard supply control unit -J519- , (T73b/67) (only AW0)	30a
F45	- Fuse 45 on fuse holder C -SC45-	25 A	- Driver door control unit -J386- Front passenger door control unit -J387- ¹	30a
F46	- Fuse 46 on fuse holder C -SC46-	25 A	- Rear left door control unit -J388- Rear right door control unit -J389-	30a
F47	- Fuse 47 on fuse holder C -SC47-	15 A	- Fuel pump control unit -J538- Fuel pump relay -J17- Fuel supply relay -J643-	30a
F48	- Fuse 48 on fuse holder C -SC48-	20 A	- Onboard supply control unit -J519- , (T52b/42) (AW1 only) Onboard supply control unit -J519- , (T73b/11) (AW0 only) Onboard supply control unit -J519- , (T73b/13) (only AW0)	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F49	- Fuse 49 on fuse holder C -SC49-	40 A	- Climatronic control unit -J255- Air conditioning system control unit -J301-	30
F50	- Fuse 50 on fuse holder C -SC50-	30 A	- Heated front seats control unit -J774-	30a
F51	- Fuse 51 on fuse holder C -SC51-	20 A	- Sliding sunroof adjustment control unit -J245-	30a
F52	- Fuse 52 on fuse holder C -SC52-	20 A	- Dual tone horn relay -J4-	30a
F53	- Fuse 53 on fuse holder C -SC53-	15 A	- Heated front seats control unit -J774-	30
F54	- Fuse 54 on fuse holder C -SC54-	15 A	- Fog light relay -J5-	55
F55	- Fuse 55 on fuse holder C -SC55-	20 A	- Light switch -E1- , (T16ls/10) (AW0 only) Left steering column switch -EX19- , (T17/15) (AW0 only)	30
F56	- Fuse 56 on fuse holder C -SC56-	-	- Vacant	-
F57	- Fuse 57 on fuse holder C -SC57-	15 A	- Radio -R- Control unit with display for radio and navigation -J503-	30a
F58	- Fuse 58 on fuse holder C -SC58-	1A 30A	- Telephone transmitter and receiver unit -R36- ² DC/AC converter with socket, 12 V - 230 V -U13-	30a
F59	- Fuse 59 on fuse holder C -SC59-	30 A	- Amplifier -R12-	-
F60	- Fuse 60 on fuse holder C -SC60-	30 A	- Auxiliary heater control unit -J364- Auxiliary air heater element -Z35-	30a
1 Depending on equipment				
2 Gradually discontinued				

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1.5.3 Fuse assignment (SC), from model year 2012

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder C -SC1-	-	- Vacant	-
F2	- Fuse 2 on fuse holder C -SC2-	5/7.5 A	- Electronic steering column lock control unit -J764-	30a
F3	- Fuse 3 on fuse holder C -SC3-	10 A	- Control unit in dash panel insert -J285- , (T32/32)	30a/ 30 stabilised
F4	- Fuse 4 on fuse holder C -SC4-	2A	- Telephone transmitter and receiver unit -R36-	30a
F4	- Fuse 4 on fuse holder C -SC4-	10 A	- Telephone transmitter and receiver unit -R36- Magnetic field sender for compass -G197- ⁴	30 stabilised
F5	- Fuse 5 on fuse holder C -SC5-	7.5 A	- Rear left fog light bulb -L46-	55a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F6	- Fuse 6 on fuse holder C -SC6-	10 A	- Onboard supply control unit -J519- , (T73a/66) (interior light, AW0 only)	30a
F7	- Fuse 7 on fuse holder C -SC7-	5 A	- Fog light relay -J5- , (AW0 only) ¹ Switch and instrument illumination regulator -E20- , (AW0 only) Number plate light -X- Onboard supply control unit -J519- , (T52c/27), (AW1 only)	58
F8	- Fuse 8 on fuse holder C -SC8-	7.5 A	- Washer pump switch (automatic wash/wipe and headlight washer system) -E44- , (AW0 only) Washer pump -V5- , (AW0 only) Onboard supply control unit -J519- , (T73b/61), (AW0 only)	53c
F8	- Fuse 8 on fuse holder C -SC8-	-	- Vacant, (AW1 only)	-
F9	- Fuse 9 on fuse holder C -SC9-	5 A 15 A	- Airbag control unit -J234- Seat occupied recognition control unit -J706-	15a
F10	- Fuse 10 on fuse holder C -SC10-	10 A	- Right steering column switch -EX20- , (T16ls/3) (AW0 only)	15a
F11	- Fuse 11 on fuse holder C -SC11-	10 A	- Front left headlight -MX1- , (Gas discharge headlights)	15a
F12	- Fuse 12 on fuse holder C -SC12-	10 A	- Front right headlight -MX2- , (Gas discharge headlights)	15a
F13	- Fuse 13 on fuse holder C -SC13-	5 A	- Automatic anti-dazzle interior mirror -Y7- Light sensor -G399- Parking aid control unit -J446- Air quality sensor -G238- High-pressure sender -G65- Climatronic control unit -J255- Tyre Pressure Monitoring System button -E226- TCS and ESP button -E256- Reversing light switch -F4- Start/Stop operation switch -E262- Left washer jet heater element -Z20- Right washer jet heater element -Z21- 28-pin connector -T28- , (T28/10): Mirror adjustment switch -E43- Exterior mirror heater button -E231- Control unit for cornering light and headlight range control -J745-	15a
F14	- Fuse 14 on fuse holder C -SC14-	10 A	- Left steering column switch -EX19- , (T16ls/1), (AW0 only) ABS control unit -J104- , T26/20 / T47/8) Light switch -E1- , (T10h/4) (AW1 only) Airbag coil connector and return ring with slip ring -F138- , (T16k/14) Fuel pump control unit -J538- Trailer detector control unit -J345- , (T12a/2) Voltage stabiliser -J532- DC/AC converter with socket, 12 V - 230 V -U13- , (T3wr/3) Data bus diagnostic interface -J533- , (only AW1)	15a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F15	Fuse 15 on fuse holder C -SC15-	10 A	- 16-pin connector -T16- , (Diagnostic connection) Switch and instrument illumination regulator -E20- Headlight range control regulator -E102- , (AW1 only) Fresh air blower relay -J13- Air mass meter -G70- Heater element for crankcase breather -N79- Control unit for structure-borne sound -J869- Front left headlight -MX1- Left headlight range control motor -V48- Front right headlight -MX2- Right headlight range control motor -V49-	15a
F16	Fuse 16 on fuse holder C -SC16-	10 A	- Additional coolant pump relay -J496- Engine control unit -J623-	15a
F17	Fuse 17 on fuse holder C -SC17-	10 A	- ATA horn relay ² - ATA interior sensor ² - ATA sounder ²	30a
F18	Fuse 18 on fuse holder C -SC18-	15 A	- Front left headlight -MX1- Left headlight dipped beam bulb -M29- ³	56b
F19	Fuse 19 on fuse holder C -SC19-	15 A	- Front right headlight -MX2- Right headlight dipped beam bulb -M31- ³	56b
F20	Fuse 20 on fuse holder C -SC20-	10 A	- Ignition/starter switch -D- , (T10/10), (AW0 only) Tiptronic switch -F189- Automatic gearbox control unit -J217- Selector lever sensors control unit -J587- Climatronic control unit -J255- Remote control receiver for auxiliary coolant heater -R149-	30a
F21	Fuse 21 on fuse holder C -SC21-	15/20 A	- Onboard supply control unit -J519- , (T73a/73), (AW0 only) Dual tone horn relay -J4- , (AW1 only) Treble horn -H2- Bass horn -H7-	30a
F22	Fuse 22 on fuse holder C -SC22-	20A 7.5A	- Ignition/starter switch -D- , (AW0 only) Converter box -J935- , (AW0 only) Interior monitoring sensor -G273- Alarm horn relay -J641- Alarm horn -H12-	30a
F23	Fuse 23 on fuse holder C -SC23-	10 A	- Onboard supply control unit -J519- , (T73b/39) (AW0 only) 16-pin connector -T16- , (Diagnostic connection) Light switch -E1- , (AW1 only) Rain and light sensor -G397- Magnetic field sender for compass -G197- ⁵	30a
F24	Fuse 24 on fuse holder C -SC24-	10 A	- Onboard supply control unit -J519- , (T73a/64) (AW0 only) Entry and start authorisation control unit -J518-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F25	- Fuse 25 on fuse holder C -SC25-	15 A	- Automatic gearbox control unit -J217- Selector lever sensors control unit -J587- Multifunction switch -F125-	15a
F26	- Fuse 26 on fuse holder C -SC26-	15 A	- Vacuum pump for brakes -V192-	15a
F27	- Fuse 27 on fuse holder C -SC27-	1 A	- Airbag coil connector and return ring with slip ring -F138- , (T16k/1)	15a
F28	- Fuse 28 on fuse holder C -SC28-	40 A	- Auxiliary heater operation relay -J485-	75a
F29	- Fuse 29 on fuse holder C -SC29-	1 A	- Onboard supply control unit -J519- , (T73b/51) (AW0 only) Ignition/starter switch -D- , (AW0 only) Converter box -J935- , (AW0 only)	-
F30	- Fuse 30 on fuse holder C -SC30-	20 A	- Cigarette lighter -U1- 12 V socket -U5- 12 V socket 2 -U18- Blocking diode -J29-	75a
F31	- Fuse 31 on fuse holder C -SC31-	30 A	- Light switch -E1- , (T17/1) (AW0 only)	75a
F32	- Fuse 32 on fuse holder C -SC32-	20 A	- Light switch -E1- , (T17/2) (AW0 only)	75a
F33	- Fuse 33 on fuse holder C -SC33-	40 A	- Heater/heat output switch -E16- Fresh air blower relay -J13- Air conditioning system control unit -J301- Fresh air blower switch -E9-	75a
F34	- Fuse 34 on fuse holder C -SC34-	15 A	- Left headlight main beam bulb -M30- (AW0 only) Right headlight main beam bulb -M32- (AW0 only) Control unit in dash panel insert -J285- (-K1-, AW0 only)	56a
F35	- Fuse 35 on fuse holder C -SC35-	10 A	- Steering column electronics control unit -J527- , (AW1 only) Data bus diagnostic interface -J533- , (AW1 only) Horn plate -H-	30a
F36	- Fuse 36 on fuse holder C -SC36-	25 A	- Onboard supply control unit -J519- , (T73a/16)(AW0 only), (T52b/1)(AW1 only) Onboard supply control unit -J519- , (T73a/61)(AW0 only) ²	30a
F37	- Fuse 37 on fuse holder C -SC37-	15 A	- Front left headlight -MX1- Left daytime running light bulb -L174-	DRL
F38	- Fuse 38 on fuse holder C -SC38-	15 A	- Front right headlight -MX2- Right daytime running light bulb -L175-	DRL
F39	- Fuse 39 on fuse holder C -SC39-	20 A	- Dipped beam relay -J331-	56b
F40	- Fuse 40 on fuse holder C -SC40-	15 A	- Trailer detector control unit -J345- , (T12a/9)	30a
F41	- Fuse 41 on fuse holder C -SC41-	15 A	- Trailer detector control unit -J345- , (T12a/12)	30a
F42	- Fuse 42 on fuse holder C -SC42-	20 A	- Trailer detector control unit -J345- , (T12a/11)	30a
F43	- Fuse 43 on fuse holder C -SC43-	30 A	- Front passenger door control unit -J387-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F44	- Fuse 44 on fuse holder C -SC44-	30 A	- Heated rear window relay -J9- , (AW1 only) Heated rear window -Z1- Onboard supply control unit -J519- , (T73b/67) (only AW0)	30a
F45	- Fuse 45 on fuse holder C -SC45-	30 A	- Driver door control unit -J386- Front passenger door control unit -J387- ³	30a
F46	- Fuse 46 on fuse holder C -SC46-	30 A	- Rear left door control unit -J388- Rear right door control unit -J389-	30a
F47	- Fuse 47 on fuse holder C -SC47-	15 A	- Fuel pump control unit -J538- Fuel pump relay -J17- Fuel supply relay -J643-	30a
F48	- Fuse 48 on fuse holder C -SC48-	20 A	- Onboard supply control unit -J519- , (T52b/42) (AW1 only) Onboard supply control unit -J519- , (T73b/11) (AW0 only) Onboard supply control unit -J519- , (T73b/13) (only AW0)	30a
F49	- Fuse 49 on fuse holder C -SC49-	40 A	- Climatronic control unit -J255- Air conditioning system control unit -J301-	30
F50	- Fuse 50 on fuse holder C -SC50-	30 A	- Heated front seats control unit -J774-	30a
F51	- Fuse 51 on fuse holder C -SC51-	20 A	- Sliding sunroof adjustment control unit -J245-	30a
F52	- Fuse 52 on fuse holder C -SC52-	20 A	- Dual tone horn relay -J4-	30a
F53	- Fuse 53 on fuse holder C -SC53-	15 A	- Heated front seats control unit -J774-	30
F54	- Fuse 54 on fuse holder C -SC54-	15 A	- Fog light relay -J5-	55
F55	- Fuse 55 on fuse holder C -SC55-	20 A	- Light switch -E1- , (T17/15) (AW0 only) Left steering column switch -EX19- , (T16ls/10) (AW0 only)	30
F56	- Fuse 56 on fuse holder C -SC56-	-	- Vacant	-
F57	- Fuse 57 on fuse holder C -SC57-	15 A/ 25 A ³	- Radio -R- Control unit with display for radio and navigation -J503-	30a
F58	- Fuse 58 on fuse holder C -SC58-	30 A	- DC/AC converter with socket, 12 V - 230 V -U13-	30a
F59	- Fuse 59 on fuse holder C -SC59-	30 A	- Amplifier -R12-	30
F60	- Fuse 60 on fuse holder C -SC60-	30 A	- Auxiliary heater control unit -J364-	30a

¹ Depending on equipment

² Gradual introduction

³ Only models with equipment for China

⁴ Only models with start/stop system

⁵ Only models with no start/stop system

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1.5.4 Fuse assignment (SC), from model year 2013

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder C -SC1-	-	- Vacant	-
F2	- Fuse 2 on fuse holder C -SC2-	5/7.5 A	- Electronic steering column lock control unit -J764- (T16v/2)	30a
F3	- Fuse 3 on fuse holder C -SC3-	10 A	- Control unit in dash panel insert -J285- , (T32/32)	30a/ 30 stabilised
F4	- Fuse 4 on fuse holder C -SC4-	2A	- Telephone transmitter and receiver unit -R36-	30a
F4	- Fuse 4 on fuse holder C -SC4-	10 A	- Telephone transmitter and receiver unit -R36- - Magnetic field sender for compass -G197- ⁴	30 stabilised
F5	- Fuse 5 on fuse holder C -SC5-	7.5 A	- Rear left fog light bulb -L46-	55a
F6	- Fuse 6 on fuse holder C -SC6-	10 A	- Onboard supply control unit -J519- , (T73a/66) (interior light, AW0 only) - Reversing camera -R189-	30a
F7	- Fuse 7 on fuse holder C -SC7-	5 A	- Fog light relay -J5- , (AW0 only) ¹ - Switch and instrument illumination regulator -E20- , (AW0 only) - Number plate light -X- - Onboard supply control unit -J519- , (T52c/27), (AW1 only)	58
F8	- Fuse 8 on fuse holder C -SC8-	7.5 A	- Washer pump switch (automatic wash/wipe and headlight washer system) -E44- , (AW0 only) - Washer pump -V5- , (AW0 only) - Onboard supply control unit -J519- , (T73b/61), (AW0 only)	53c
F8	- Fuse 8 on fuse holder C -SC8-	-	- Vacant, (AW1 only)	-
F9	- Fuse 9 on fuse holder C -SC9-	5 A 15 A	- Airbag control unit -J234- - Front passenger side airbag deactivated warning lamp -K145- - Seat occupied recognition control unit -J706-	15a
F10	- Fuse 10 on fuse holder C -SC10-	10 A	- Right steering column switch -EX20- , (T16ls/3) (AW0 only)	15a
F11	- Fuse 11 on fuse holder C -SC11-	10 A	- Front left headlight -MX1- , (Gas discharge headlights)	15a
F12	- Fuse 12 on fuse holder C -SC12-	10 A	- Front right headlight -MX2- , (Gas discharge headlights)	15a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F13	Fuse 13 on fuse holder C -SC13-	5 A	- Automatic anti-dazzle interior mirror -Y7- - Light sensor -G399- - Parking aid control unit -J446- - Air quality sensor -G238- - High-pressure sender -G65- - Climatronic control unit -J255- - Tyre Pressure Monitoring System button -E226- - TCS and ESP button -E256- - Reversing light switch -F4- - Start/Stop operation switch -E262- - Left washer jet heater element -Z20- - Right washer jet heater element -Z21- - 28-pin connector -T28- , (T28/10): - Mirror adjustment switch -E43- - Exterior mirror heater button -E231- - Control unit for air conditioning compressor -J842- (T14hy/14) ⁶ - Control unit for cornering light and headlight range control -J745-	15a
F14	Fuse 14 on fuse holder C -SC14-	10 A	- Left steering column switch -EX19- , (T16ls/1), (AW0 only) - ABS control unit -J104- , T26/20 / T47/8) - Light switch -E1- , (T10h/4) (AW1 only) - Airbag coil connector and return ring with slip ring -F138- , (T16k/14) - Fuel pump control unit -J538- - Trailer detector control unit -J345- , (T12a/2) - Voltage stabiliser -J532- - DC/AC converter with socket, 12 V - 230 V -U13- , (T3wr/3) - Data bus diagnostic interface -J533- , (AW1 only) - Control unit in dash panel insert -J285- - Selector lever sensors control unit -J587- - Tiptronic switch -F189- (T10s/9) - Power steering control unit -J500- (T6z/1) - Oil level and oil temperature sender -G266- (T6z/4) - Hybrid battery unit -AX1- (T14ax/7) ⁶ - Power and control electronics for electric drive -JX1- (T28jx/56) ⁶	15a
F15	Fuse 15 on fuse holder C -SC15-	10 A	- 16-pin connector -T16- , (Diagnostic connection) - Switch and instrument illumination regulator -E20- - Headlight range control regulator -E102- , (AW1 only) - Fresh air blower relay -J13- - Air mass meter -G70- - Heater element for crankcase breather -N79- - Control unit for structure-borne sound -J869- - Front left headlight -MX1- - Left headlight range control motor -V48- - Front right headlight -MX2- - Right headlight range control motor -V49- - Onboard supply control unit -J519- (T73a/44)	15a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F16	- Fuse 16 on fuse holder C -SC16-	10 A	- Additional coolant pump relay -J496- - Engine control unit -J623- - Button for electric drive -E656- ⁶	15a
F17	- Fuse 17 on fuse holder C -SC17-	10 A	- ATA horn relay ² - ATA interior sensor ² - ATA sounder ²	30a
F18	- Fuse 18 on fuse holder C -SC18-	15 A	- Front left headlight -MX1- - Left headlight dipped beam bulb -M29- ³	56b
F19	- Fuse 19 on fuse holder C -SC19-	15 A	- Front right headlight -MX2- - Right headlight dipped beam bulb -M31- ³	56b
F20	- Fuse 20 on fuse holder C -SC20-	10 A	- Ignition/starter switch -D- , (T10/10), (AW0 only) - Tiptronic switch -F189- - Automatic gearbox control unit -J217- - Selector lever sensors control unit -J587- - Climatronic control unit -J255- - Remote control receiver for auxiliary coolant heater -R149-	30a
F21	- Fuse 21 on fuse holder C -SC21-	15/20 A	- Onboard supply control unit -J519- , (T73a/73), (AW0 only) - Dual tone horn relay -J4- , (AW1 only) - Treble horn -H2- - Bass horn -H7-	30a
F22	- Fuse 22 on fuse holder C -SC22-	20A 7.5A	- Ignition/starter switch -D- , (AW0 only) - Converter box -J935- , (AW0 only) - Interior monitoring sensor -G273- - Alarm horn relay -J641- - Alarm horn -H12-	30a
F23	- Fuse 23 on fuse holder C -SC23-	10 A	- Onboard supply control unit -J519- , (T73b/39) (AW0 only) - 16-pin connector -T16- , (Diagnostic connection) - Light switch -E1- , (AW1 only) - Rain and light sensor -G397- - Magnetic field sender for compass -G197- ⁵	30a
F24	- Fuse 24 on fuse holder C -SC24-	10 A	- Onboard supply control unit -J519- , (T73a/64) (AW0 only) - Entry and start authorisation control unit -J518-	30a
F25	- Fuse 25 on fuse holder C -SC25-	15 A	- Automatic gearbox control unit -J217- - Selector lever sensors control unit -J587- - Multifunction switch -F125-	15a
F26	- Fuse 26 on fuse holder C -SC26-	15 A	- Vacuum pump for brakes -V192-	15a
F27	- Fuse 27 on fuse holder C -SC27-	1 A	- Airbag coil connector and return ring with slip ring -F138- , (T16k/1)	15a
F28	- Fuse 28 on fuse holder C -SC28-	40 A	- Auxiliary heater operation relay -J485-	75a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F29	- Fuse 29 on fuse holder C -SC29-	1 A	- Onboard supply control unit -J519- , (T73b/51) (AW0 only) Ignition/starter switch -D- , (AW0 only) Converter box -J935- , (AW0 only)	-
F30	- Fuse 30 on fuse holder C -SC30-	20 A	- Cigarette lighter -U1- 12 V socket -U5- 12 V socket 2 -U18- Blocking diode -J29-	75a
F31	- Fuse 31 on fuse holder C -SC31-	30 A	- Light switch -E1- , (T17/1) (AW0 only)	75a
F32	- Fuse 32 on fuse holder C -SC32-	20 A	- Light switch -E1- , (T17/2) (AW0 only)	75a
F33	- Fuse 33 on fuse holder C -SC33-	40 A	- Heater/heat output switch -E16- Fresh air blower relay -J13- Air conditioning system control unit -J301- Fresh air blower switch -E9-	75a
F34	- Fuse 34 on fuse holder C -SC34-	15 A	- Left headlight main beam bulb -M30- (AW0 only) Right headlight main beam bulb -M32- (AW0 only) Control unit in dash panel insert -J285- (-K1-, AW0 only)	56a
F35	- Fuse 35 on fuse holder C -SC35-	10 A	- Steering column electronics control unit -J527- , (AW1 only) Data bus diagnostic interface -J533- , (AW1 only)	30a
F36	- Fuse 36 on fuse holder C -SC36-	25 A	- Onboard supply control unit -J519- , (T73a/16)(AW0 only), (T52b/1)(AW1 only) Onboard supply control unit -J519- , (T73a/61)(AW0 only) ²	30a
F37	- Fuse 37 on fuse holder C -SC37-	15 A	- Front left headlight -MX1- Left daytime running light bulb -L174-	DRL
F38	- Fuse 38 on fuse holder C -SC38-	15 A	- Front right headlight -MX2- Right daytime running light bulb -L175-	DRL
F39	- Fuse 39 on fuse holder C -SC39-	20 A	- Dipped beam relay -J331-	56b
F40	- Fuse 40 on fuse holder C -SC40-	15 A	- Trailer detector control unit -J345- , (T12a/9)	30a
F41	- Fuse 41 on fuse holder C -SC41-	15 A	- Trailer detector control unit -J345- , (T12a/12)	30a
F42	- Fuse 42 on fuse holder C -SC42-	20 A	- Trailer detector control unit -J345- , (T12a/11)	30a
F43	- Fuse 43 on fuse holder C -SC43-	30 A	- Front passenger door control unit -J387-	30a
F44	- Fuse 44 on fuse holder C -SC44-	30 A	- Heated rear window relay -J9- , (AW1 only) Heated rear window -Z1- Onboard supply control unit -J519- , (T73b/67) (only AW0)	30a
F45	- Fuse 45 on fuse holder C -SC45-	30 A	- Driver door control unit -J386- Front passenger door control unit -J387- ³	30a
F46	- Fuse 46 on fuse holder C -SC46-	30 A	- Rear left door control unit -J388- Rear right door control unit -J389-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F47	- Fuse 47 on fuse holder C -SC47-	15 A	- Fuel pump control unit -J538- Fuel pump relay -J17- Fuel supply relay -J643-	30a
F48	- Fuse 48 on fuse holder C -SC48-	20 A	- Onboard supply control unit -J519- , (T52b/42) (AW1 only) Onboard supply control unit -J519- , (T73b/11) (AW0 only) Onboard supply control unit -J519- , (T73b/13) (only AW0)	30a
F49	- Fuse 49 on fuse holder C -SC49-	40 A	- Fresh air blower -V2- Climatronic control unit -J255- Air conditioning system control unit -J301-	30
F50	- Fuse 50 on fuse holder C -SC50-	30 A	- Heated front seats control unit -J774-	30a
F51	- Fuse 51 on fuse holder C -SC51-	20 A	- Sliding sunroof adjustment control unit -J245-	30a
F52	- Fuse 52 on fuse holder C -SC52-	20 A	- Headlight washer system relay -J39- Headlight washer system pump -V11-	30a
F53	- Fuse 53 on fuse holder C -SC53-	15 A	- Driver seat lumbar support adjustment switch -E176-	30
F54	- Fuse 54 on fuse holder C -SC54-	15 A	- Fog light relay -J5-	55
F55	- Fuse 55 on fuse holder C -SC55-	20 A	- Light switch -E1- , (T17/15) (AW0 only) Left steering column switch -EX19- , (T16ls/10) (AW0 only)	30
F56	- Fuse 56 on fuse holder C -SC56-	10 A	- Hybrid battery unit -AX1- (T14ax/5) ⁶ Power and control electronics for electric drive -JX1- (T28jx/55) ⁶	30a
F57	- Fuse 57 on fuse holder C -SC57-	15 A/ 25 A ³	- Radio -R- Control unit with display for radio and navigation -J503-	30a
F58	- Fuse 58 on fuse holder C -SC58-	30 A	- DC/AC converter with socket, 12 V - 230 V -U13-	30a
F59	- Fuse 59 on fuse holder C -SC59-	15 A	- Fan enabling relay -J937- ⁶ Battery fan 1 -V457- ⁶	30
F60	- Fuse 60 on fuse holder C -SC60-	30 A	- Auxiliary heater control unit -J364-	30a
1 Depending on equipment				
2 Gradual introduction				
3 Only models with equipment for China				
4 Only models with start/stop system				
5 Only models with no start/stop system				
6 Engine code CNLA				

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1.5.5 Fuse assignment (SC), from model year 2014

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F1	- Fuse 1 on fuse holder C -SC1-	10 A	- Left washer jet heater element -Z20- Right washer jet heater element -Z21-	15a
F2	- Fuse 2 on fuse holder C -SC2-	5/7.5 A	- Electronic steering column lock control unit -J764- (T16v/2)	30a
F3	- Fuse 3 on fuse holder C -SC3-	10 A	- Control unit in dash panel insert -J285- , (T32/32)	30a/ 30 stabilised
F4	- Fuse 4 on fuse holder C -SC4-	2A	- Telephone transmitter and receiver unit -R36-	30a
F4	- Fuse 4 on fuse holder C -SC4-	10 A	- Telephone transmitter and receiver unit -R36- Magnetic field sender for compass -G197- ⁴	30 stabilised
F5	- Fuse 5 on fuse holder C -SC5-	7.5 A	- Rear left fog light bulb -L46-	55a
F6	- Fuse 6 on fuse holder C -SC6-	10 A	- Onboard supply control unit -J519- , (T73a/66) (interior light, AW0 only) Reversing camera -R189-	30a
F7	- Fuse 7 on fuse holder C -SC7-	5 A	- Fog light relay -J5- , (AW0 only) ¹ Switch and instrument illumination regulator -E20- , (AW0 only) Number plate light -X- Onboard supply control unit -J519- , (T52c/27), (AW1 only)	58
F8	- Fuse 8 on fuse holder C -SC8-	7.5 A	- Washer pump switch (automatic wash/wipe and headlight washer system) -E44- , (AW0 only) Washer pump -V5- , (AW0 only) Onboard supply control unit -J519- , (T73b/61), (AW0 only)	53c
F8	- Fuse 8 on fuse holder C -SC8-	-	- Vacant, (AW1 only)	-
F9	- Fuse 9 on fuse holder C -SC9-	5 A/ 15 A	- Airbag control unit -J234- Front passenger side airbag deactivated warning lamp -K145- Seat occupied recognition control unit -J706-	15a
F10	- Fuse 10 on fuse holder C -SC10-	10 A	- Right steering column switch -EX20- , (T16ls/3) (AW0 only)	15a
F11	- Fuse 11 on fuse holder C -SC11-	10 A	- Front left headlight -MX1- , (Gas discharge headlights)	15a
F12	- Fuse 12 on fuse holder C -SC12-	10 A	- Front right headlight -MX2- , (Gas discharge headlights)	15a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F13	Fuse 13 on fuse holder C -SC13-	5 A	- Automatic anti-dazzle interior mirror -Y7- - Light sensor -G399- - Parking aid control unit -J446- - Air quality sensor -G238- - High-pressure sender -G65- - Climatronic control unit -J255- - Tyre Pressure Monitoring System button -E226- - TCS and ESP button -E256- - Reversing light switch -F4- - Start/Stop operation switch -E262- - 28-pin connector -T28- , (T28/10): - Mirror adjustment switch -E43- - Exterior mirror heater button -E231- - Control unit for air conditioning compressor -J842- (T14hy/14) ⁶ - Control unit for cornering light and headlight range control -J745-	15a
F14	Fuse 14 on fuse holder C -SC14-	10 A	- Left steering column switch -EX19- , (T16ls/1), (AW0 only) - ABS control unit -J104- , T26/20 / T47/8) - Light switch -E1- , (T10h/4) (AW1 only) - Airbag coil connector and return ring with slip ring -F138- , (T16k/14) - Fuel pump control unit -J538- - Trailer detector control unit -J345- , (T12a/2) - Voltage stabiliser -J532- - DC/AC converter with socket, 12 V - 230 V -U13- , (T3wr/3) - Data bus diagnostic interface -J533- , (AW1 only) - Control unit in dash panel insert -J285- - Selector lever sensors control unit -J587- - Tiptronic switch -F189- (T10s/9) - Power steering control unit -J500- (T6z/1) - Oil level and oil temperature sender -G266- (T6z/4) - Hybrid battery unit -AX1- (T14ax/7) ⁶ - Power and control electronics for electric drive -JX1- (T28jx/56) ⁶	15a
F15	Fuse 15 on fuse holder C -SC15-	10 A	- 16-pin connector -T16- , (Diagnostic connection) - Switch and instrument illumination regulator -E20- - Headlight range control regulator -E102- , (AW1 only) - Fresh air blower relay -J13- - Air mass meter -G70- - Heater element for crankcase breather -N79- - Control unit for structure-borne sound -J869- - Front left headlight -MX1- - Left headlight range control motor -V48- - Front right headlight -MX2- - Right headlight range control motor -V49- - Onboard supply control unit -J519- (T73a/44)	15a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F16	- Fuse 16 on fuse holder C -SC16-	10 A	- Additional coolant pump relay -J496- - Fuel pump control unit -J538- - Engine control unit -J623- - Button for electric drive -E656- 6	15a
F17	- Fuse 17 on fuse holder C -SC17-	10 A	- - ATA horn relay ² - - ATA interior sensor ² - - ATA sounder ²	30a
F18	- Fuse 18 on fuse holder C -SC18-	15 A	- Front left headlight -MX1- - Left headlight dipped beam bulb -M29- 3	56b
F19	- Fuse 19 on fuse holder C -SC19-	15 A	- Front right headlight -MX2- - Right headlight dipped beam bulb -M31- 3	56b
F20	- Fuse 20 on fuse holder C -SC20-	10 A	- Ignition/starter switch -D- , (T10/10), (AW0 only) - Tiptronic switch -F189- - Automatic gearbox control unit -J217- - Selector lever sensors control unit -J587- - Climatronic control unit -J255- - Remote control receiver for auxiliary coolant heater -R149-	30a
F21	- Fuse 21 on fuse holder C -SC21-	15/20 A	- Onboard supply control unit -J519- , (T73a/73), (AW0 only) - Dual tone horn relay -J4- , (AW1 only) - Treble horn -H2- , (AW1 only) - Bass horn -H7- , (only AW1)	30a
F22	- Fuse 22 on fuse holder C -SC22-	20A 7.5A	- Ignition/starter switch -D- , (AW0 only) - Converter box -J935- , (AW0 only) - Interior monitoring sensor -G273- - Alarm horn relay -J641- - Alarm horn -H12-	30a
F23	- Fuse 23 on fuse holder C -SC23-	10 A	- Onboard supply control unit -J519- , (T73b/39) (AW0 only) - 16-pin connector -T16- , (Diagnostic connection) - Light switch -E1- , (AW1 only) - Rain and light sensor -G397- - Magnetic field sender for compass -G197- 5	30a
F24	- Fuse 24 on fuse holder C -SC24-	10 A	- Onboard supply control unit -J519- , (T73a/64) (AW0 only) - Entry and start authorisation control unit -J518-	30a
F25	- Fuse 25 on fuse holder C -SC25-	15 A	- Automatic gearbox control unit -J217- - Selector lever sensors control unit -J587- - Multifunction switch -F125-	15a
F26	- Fuse 26 on fuse holder C -SC26-	15 A	- Vacuum pump for brakes -V192-	15a
F27	- Fuse 27 on fuse holder C -SC27-	1 A	- Airbag coil connector and return ring with slip ring -F138- , (T16k/1)	15a
F28	- Fuse 28 on fuse holder C -SC28-	40 A	- Auxiliary heater operation relay -J485-	75a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F29	- Fuse 29 on fuse holder C -SC29-	1 A	- Onboard supply control unit -J519- , (T73b/51) (AW0 only) Ignition/starter switch -D- , (AW0 only) Converter box -J935- , (AW0 only)	-
F30	- Fuse 30 on fuse holder C -SC30-	20 A	- Cigarette lighter -U1- 12 V socket -U5- 12 V socket 2 -U18- Blocking diode -J29-	75a
F31	- Fuse 31 on fuse holder C -SC31-	30 A	- Light switch -E1- , (T17/1) (AW0 only)	75a
F32	- Fuse 32 on fuse holder C -SC32-	20 A	- Light switch -E1- , (T17/2) (AW0 only)	75a
F33	- Fuse 33 on fuse holder C -SC33-	40 A	- Heater/heat output switch -E16- Fresh air blower relay -J13- Air conditioning system control unit -J301- Fresh air blower switch -E9-	75a
F34	- Fuse 34 on fuse holder C -SC34-	15 A	- Left headlight main beam bulb -M30- (AW0 only) Right headlight main beam bulb -M32- (AW0 only) Control unit in dash panel insert -J285- (-K1-, AW0 only)	56a
F35	- Fuse 35 on fuse holder C -SC35-	10 A	- Steering column electronics control unit -J527- , (AW1 only) Data bus diagnostic interface -J533- , (AW1 only)	30a
F36	- Fuse 36 on fuse holder C -SC36-	25 A	- Onboard supply control unit -J519- , (T73a/16)(AW0 only), (T52b/1)(AW1 only) Onboard supply control unit -J519- , (T73a/61)(AW0 only) ²	30a
F37	- Fuse 37 on fuse holder C -SC37-	15 A	- Front left headlight -MX1- Left daytime running light bulb -L174-	DRL
F38	- Fuse 38 on fuse holder C -SC38-	15 A	- Front right headlight -MX2- Right daytime running light bulb -L175-	DRL
F39	- Fuse 39 on fuse holder C -SC39-	20 A	- Dipped beam relay -J331-	56b
F40	- Fuse 40 on fuse holder C -SC40-	15 A	- Trailer detector control unit -J345- , (T12a/9)	30a
F41	- Fuse 41 on fuse holder C -SC41-	15 A	- Trailer detector control unit -J345- , (T12a/12)	30a
F42	- Fuse 42 on fuse holder C -SC42-	20 A	- Trailer detector control unit -J345- , (T12a/11)	30a
F43	- Fuse 43 on fuse holder C -SC43-	30 A	- Front passenger door control unit -J387-	30a
F44	- Fuse 44 on fuse holder C -SC44-	30 A	- Heated rear window relay -J9- , (AW1 only) Heated rear window -Z1- Onboard supply control unit -J519- , (T73b/67) (only AW0)	30a
F45	- Fuse 45 on fuse holder C -SC45-	30 A	- Driver door control unit -J386- Front passenger door control unit -J387- ³	30a
F46	- Fuse 46 on fuse holder C -SC46-	30 A	- Rear left door control unit -J388- Rear right door control unit -J389-	30a

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
F47	- Fuse 47 on fuse holder C -SC47-	15 A	- Fuel pump control unit -J538- Fuel pump relay -J17- Fuel supply relay -J643-	30a
F48	- Fuse 48 on fuse holder C -SC48-	20 A	- Onboard supply control unit -J519- , (T52b/42) (AW1 only) Onboard supply control unit -J519- , (T73b/11) (AW0 only) Onboard supply control unit -J519- , (T73b/13) (only AW0)	30a
F49	- Fuse 49 on fuse holder C -SC49-	40 A	- Fresh air blower -V2- Climatronic control unit -J255- Air conditioning system control unit -J301-	30
F50	- Fuse 50 on fuse holder C -SC50-	30 A	- Heated front seats control unit -J774-	30a
F51	- Fuse 51 on fuse holder C -SC51-	20 A	- Sliding sunroof adjustment control unit -J245-	30a
F52	- Fuse 52 on fuse holder C -SC52-	20 A	- Headlight washer system relay -J39- Headlight washer system pump -V11-	30a
F53	- Fuse 53 on fuse holder C -SC53-	15 A	- Driver seat lumbar support adjustment switch -E176-	30
F54	- Fuse 54 on fuse holder C -SC54-	15 A	- Fog light relay -J5-	55
F55	- Fuse 55 on fuse holder C -SC55-	20 A	- Light switch -E1- , (T17/15) (AW0 only) Left steering column switch -EX19- , (T16ls/10) (AW0 only)	30
F56	- Fuse 56 on fuse holder C -SC56-	10 A	- Hybrid battery unit -AX1- (T14ax/5) ⁶ Power and control electronics for electric drive -JX1- (T28jx/55) ⁶	30a
F57	- Fuse 57 on fuse holder C -SC57-	15 A/ 25 A ³	- Radio -R- Control unit with display for radio and navigation -J503-	30a
F58	- Fuse 58 on fuse holder C -SC58-	30 A	- DC/AC converter with socket, 12 V - 230 V -U13-	30a
F59	- Fuse 59 on fuse holder C -SC59-	15 A	- Fan enabling relay -J937- ⁶ Battery fan 1 -V457- ⁶	30
F60	- Fuse 60 on fuse holder C -SC60-	30 A	- Auxiliary heater control unit -J364-	30a

¹ Depending on equipment

² Gradual introduction

³ Only models with equipment for China

⁴ Only models with start/stop system

⁵ Only models with no start/stop system

⁶ Engine code CNLA

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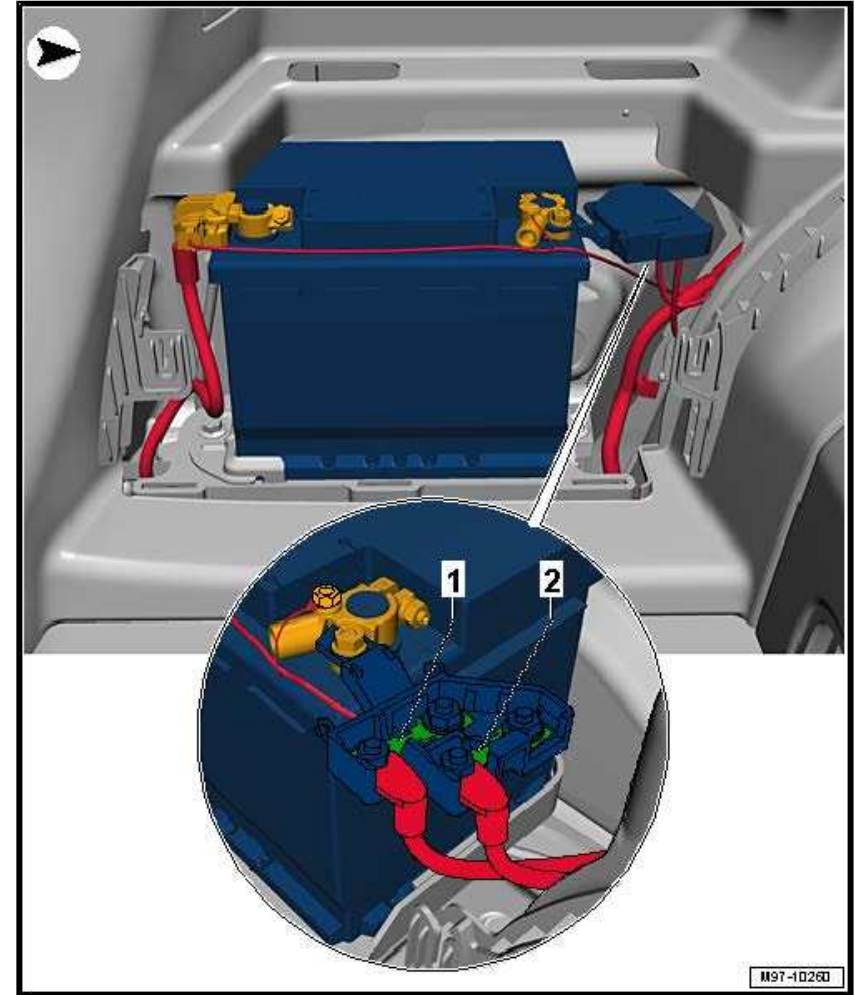
1.6 Fuses for battery in luggage compartment

Only for models with high-voltage system (hybrid).

Specified torque settings

⇒ Electrical system, Repair Group 97, Removing and installing fuse holders

- Fuse 1 (30), on battery fuse holder -S162- -1-, nominal value 175 A
- Fuse 2 (30), on battery fuse holder -S163- -2-, nominal value 80 A



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1 Relays

1.1 Overview of relay carriers

1 - Relay carrier on E-box

- on left in engine compartment
- Relay assignment for E-box low ⇒ [page 2](#)
- Relay assignment for E-box high ⇒ [page 3](#)
- Relay assignment with hybrid system, E-box high ⇒ [page 4](#)

2 - Auxiliary relay carrier next to E-box, to October 2010

- on left in engine compartment
- Only models with diesel engine automatic glow period control unit -J179-
- From November 2010; slot R6 on E-box relay carrier

3 - Relay carrier on onboard supply control unit

- Under dash panel on driver's side

15-socket relay carrier, MY 2011

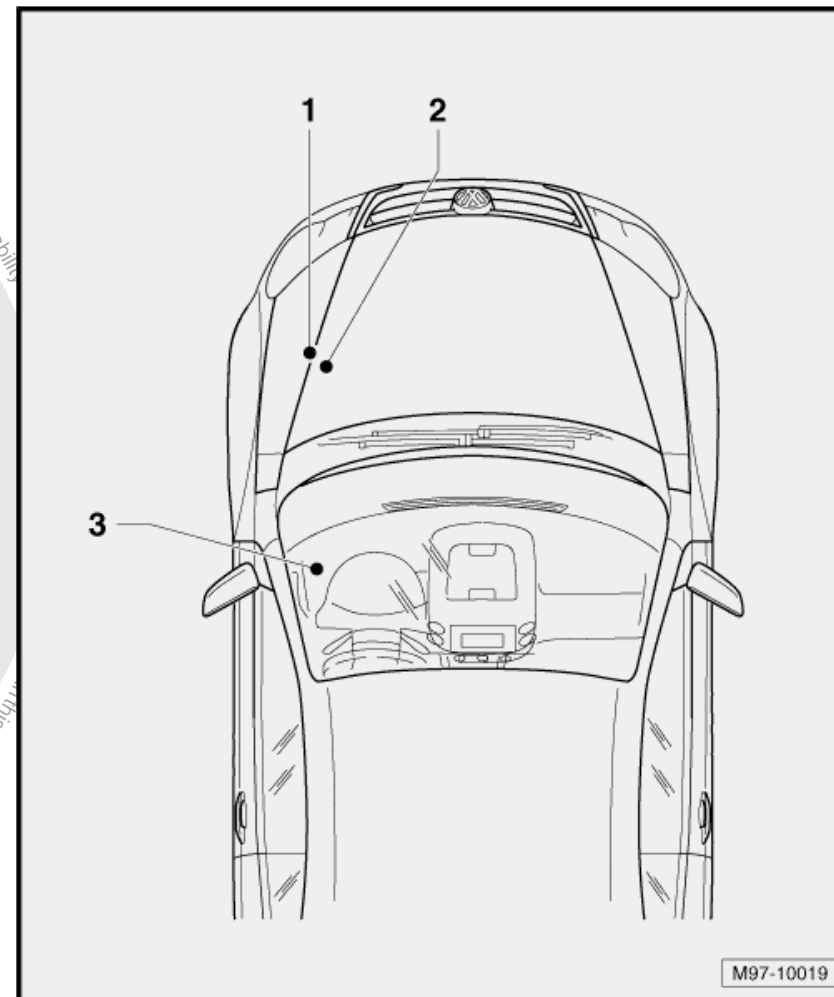
- Relay assignment, 15-socket relay carrier ⇒ [page 5](#)

12-socket relay carrier, from MY 2012

- Relay assignment, 12-socket relay carrier, LHD (E-box low) ⇒ [page 6](#)
- Relay assignment, 12-socket relay carrier, LHD (E-box high) ⇒ [page 8](#)
- Relay assignment, 12-socket relay carrier, RHD (E-box high) ⇒ [page 9](#)

12-socket relay carrier, from MY 2013

- Relay assignment, from MY 2013, LHD (E-box low) ⇒ [page 10](#)
- Relay assignment, from MY 2013, LHD (E-box high) ⇒ [page 11](#)
- Relay assignment, from MY 2013, RHD (E-box high) ⇒ [page 13](#)



M97-10019



Note

The architecture of the electrical equipment of the Jetta is recognized according to the assignment of the E-box. When slots R1 and R2 are vacant it is an E-box low, equipment level low (AW0). When slots R1 and R2 are occupied it is an E-box high, equipment level high (AW1).

1.2 Overview of relays on E-box low

R1 - Vacant

R2 - Vacant

R3 - Main relay -J271- (100)

R3 - Terminal 30 voltage supply relay -J317- (644)

R3 - Fuel supply relay -J643- (640)

R4 - Low heat output relay -J359- (645)

R4 - Continued coolant circulation relay -J151- (645)

- gradual introduction

R4 - Additional coolant pump relay -J496- (645)

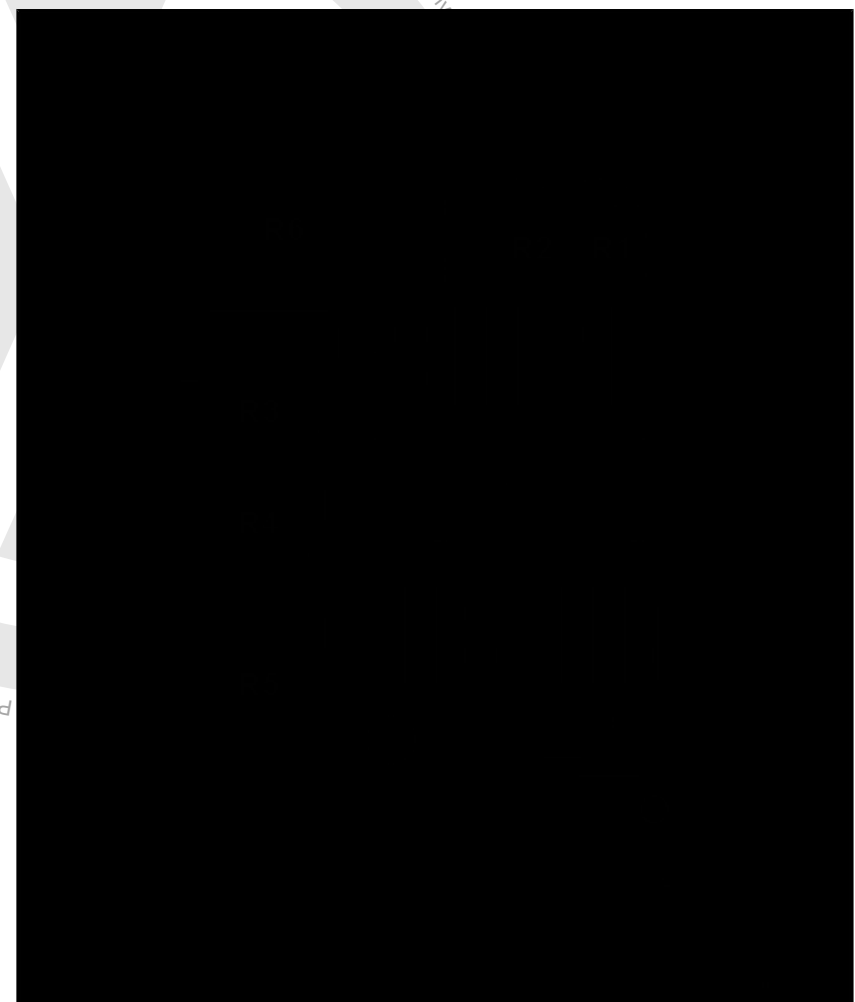
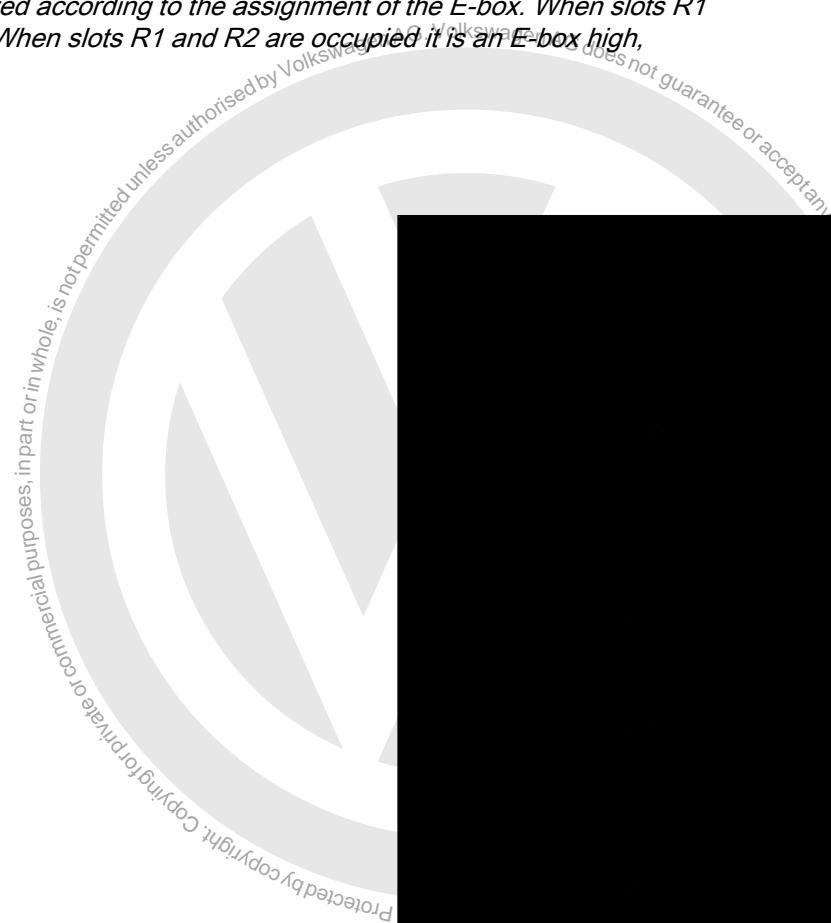
R5 - High heat output relay -J360- (370, 644)

R5 - Secondary air pump relay -J299- (100, 644)

- Only models with a petrol engine

R6 - Automatic glow period control unit -J179-

- From November 2010



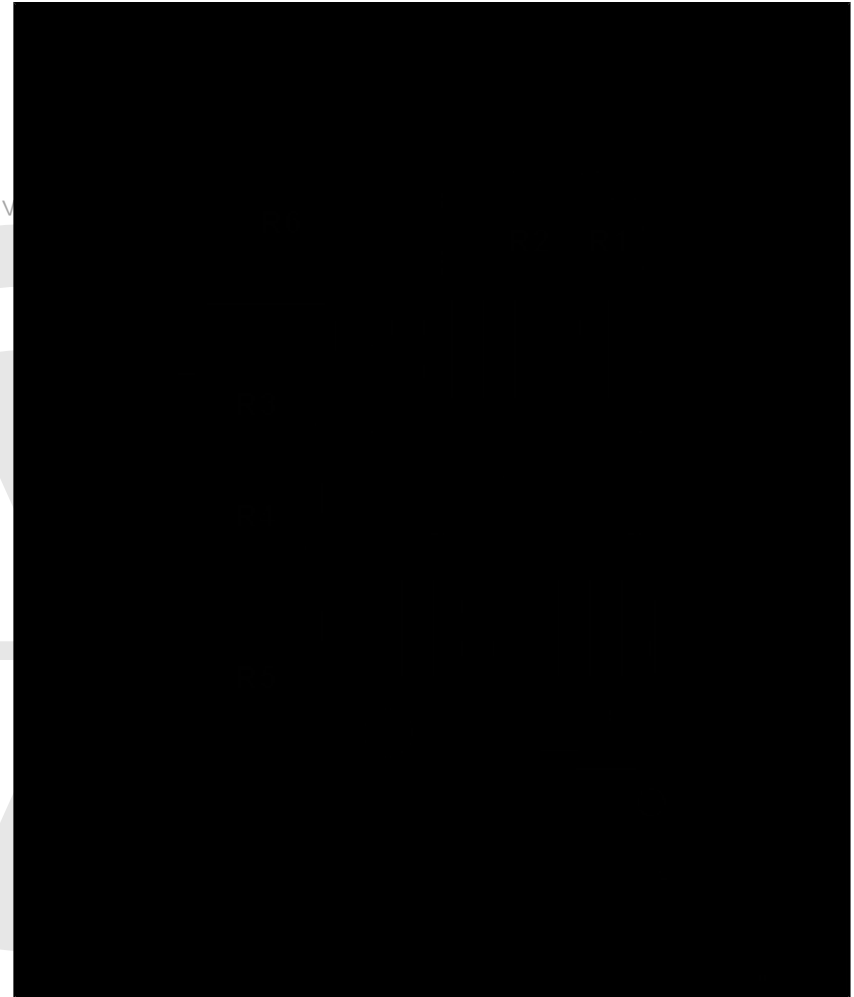


Note

E-box low, relay slots R1 and R2 are not occupied: select current flow diagrams for basic equipment, convenience system, engines in low (AW0).

1.3 Overview of relays on E-box high

- R1 - Wiper motor switch-over relay 1 -J368- (404, 650)
- R2 - Wiper motor switch-over relay 2 -J369- (404, 650)
- R3 - Main relay -J271- (100)
- R3 - Terminal 30 voltage supply relay -J317- (644)
- R3 - Fuel supply relay -J643- (640)
- R4 - Low heat output relay -J359- (645)
- R4 - Continued coolant circulation relay -J151- (645, 498)
 - gradual introduction
- R4 - Additional coolant pump relay -J496- (645)
- R5 - High heat output relay -J360- (370, 644)
- R5 - Secondary air pump relay -J299- (100, 644)
 - Only models with a petrol engine
- R6 - Automatic glow period control unit -J179-
 - From November 2010



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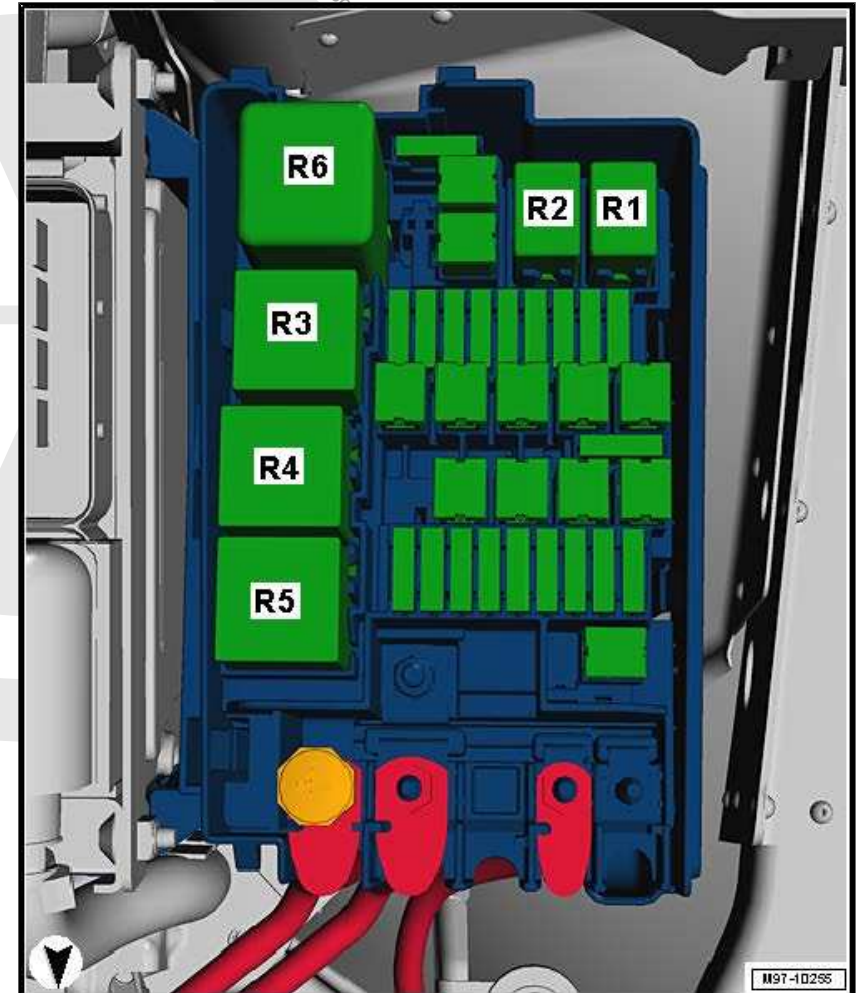
Note

E-box high, relay slots R1 and R2 are occupied: select current flow diagrams for basic equipment, convenience system, engines in high (AW1).

1.4 Overview of relays on E-box high, with hybrid system

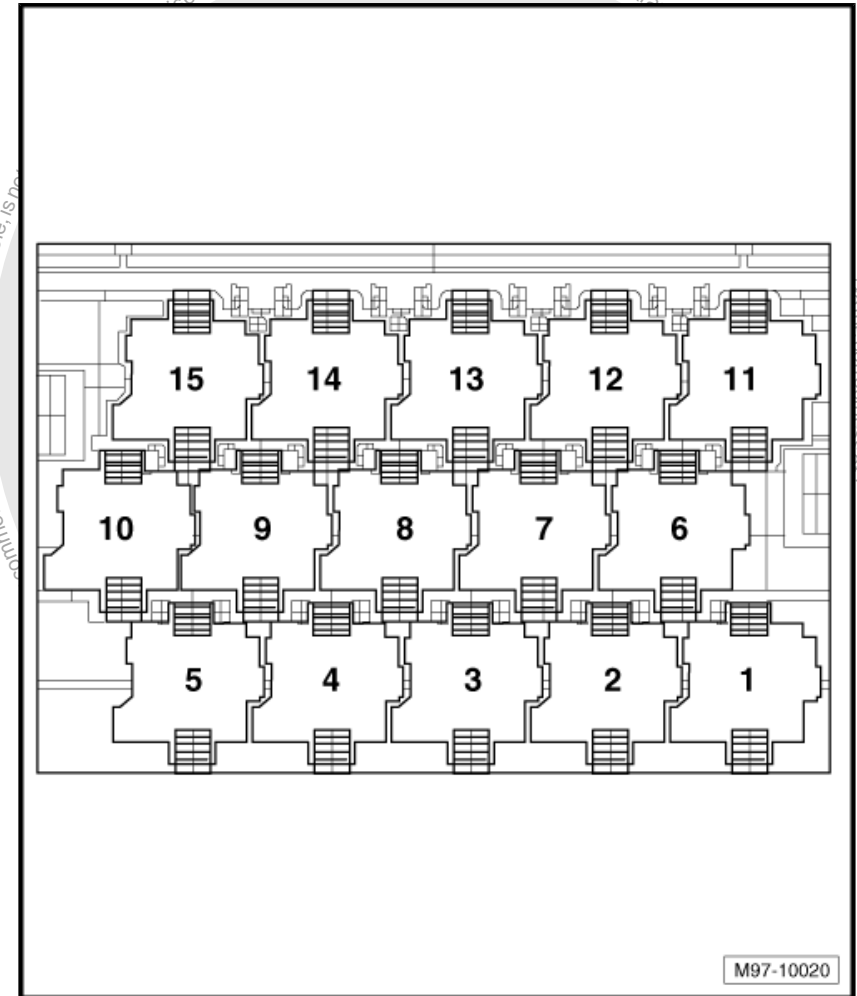
Only for models with high-voltage system (hybrid).

- R1 - Wiper motor switch-over relay 1 -J368- (650)
- R2 - Wiper motor switch-over relay 2 -J369- (650)
- R3 - Main relay -J271- (644)
- R4 - Low heat output relay -J359- (645)
- R5 - High heat output relay -J360- (644)
- R5 - Brake servo relay -J569- (645) without auxiliary air heater (PTC)
- R6 - Brake servo relay -J569- (645) with auxiliary air heater (PTC)



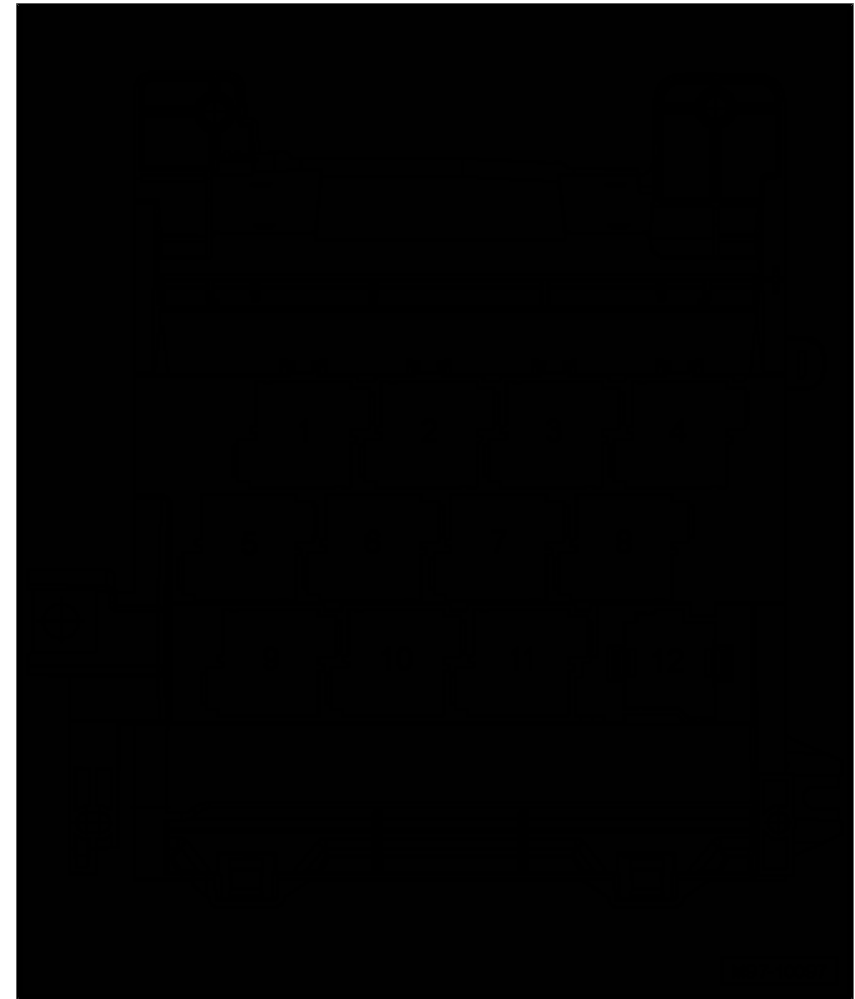
1.5 Overview of relays under dash panel, 15-socket relay carrier, MY 2011

- 1 - Converter box -J935- (499)
 - E-box low (AW0)
- 2 - Fresh air blower relay -J13- (449, 645)
- 3 - Auxiliary heater operation relay -J485- (449)
- 4 - Fuel pump relay -J17- (449)
- 4 - Engine component current supply relay -J757- (498)
- 4 - Additional coolant pump relay -J496- (449)
- 5 - Dipped beam relay -J331- (53)
 - E-box low (AW0)
- 6 - Fresh air blower relay -J13- (53)
- 7 - Terminal 75 voltage supply relay 1 -J680- (53)
- 8 - Dual tone horn relay -J4- (449)
- 8 - Headlight washer system relay -J39- (449)
- 9 - Terminal 50 voltage supply relay -J682- (643)
- 10 - Terminal 15 voltage supply relay 2 -J681- (643)
- 11 - Heated rear window relay -J9- (449)
- 12 - Electric fuel pump 2 relay -J49- (449, 646)
- 12 - Heater element relay -J925- (449, 646)
- 12 - Cold start device relay -J41- (645)
- 12 - Fuel supply relay -J643- (446)
- 13 - Terminal 50 voltage supply relay -J682- (433, 507)
- 14 - Terminal 15 voltage supply relay -J329- (645)
- 15 - Fog light relay -J5- (53)



1.6 Overview of relays under dash panel, 12-socket relay carrier, LHD (E-box low), MY 2012

- 1 - Dual tone horn relay -J4- (446)
- 1 - Alarm horn relay -J641- (446)
 - USA, Mexico
 - Relay socket 1.2
- 1 - Headlight washer system relay -J39- (446)
- 2 - Terminal 50 voltage supply relay -J682- (507)
- 2 - Starter relay 2 -J907- (507)
- 3 - Electric fuel pump 2 relay -J49- (646)
 - Relay socket 3.1
- 3 - Heater element relay -J925- (646)
 - Relay socket 3.2
- 4 - Continued coolant circulation relay -J151- (646)
 - Gradually discontinued (new relay slot 4, on E-box low)
- 4 - Additional coolant pump relay -J496- (646)
 - Relay socket 4.1
- 4 - Fuel supply relay -J643- (446)
- 4 - Fuel pump relay -J17- (446)
 - Relay socket 4.2
- 5 - Terminal 75 voltage supply relay 1 -J680- (645)
 - Gradually discontinued (new relay socket 10)
- 5 - Vacant
 - Gradual change
- 6 - Terminal 50 voltage supply relay -J682- (645)
- 6 - Starter relay 1 -J906- (645)
- 7 - Terminal 15 voltage supply relay -J329- (645)
- 8 - Dipped beam relay -J331- (645)
- 9 - Terminal 15 voltage supply relay 2 -J681- (645)
- 10 - Terminal 75 voltage supply relay 1 -J680- (645), gradual introduction
- 11 - Fog light relay -J5- (645)

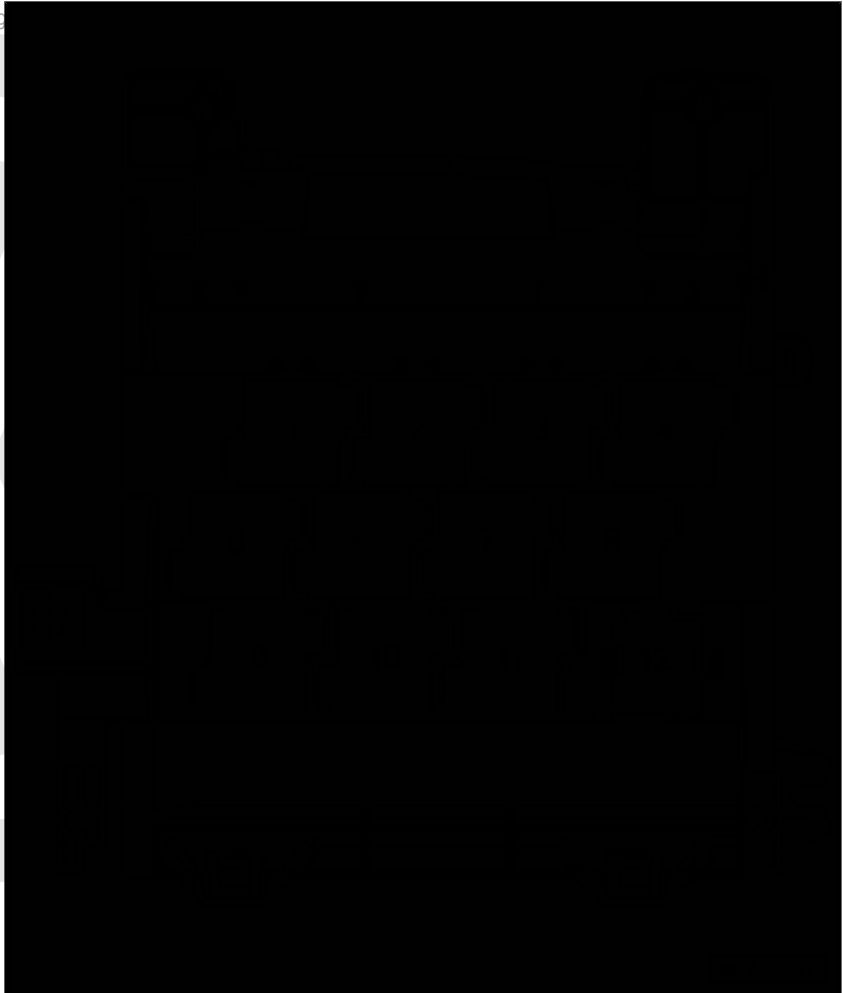


12 - Converter box -J935- (499)



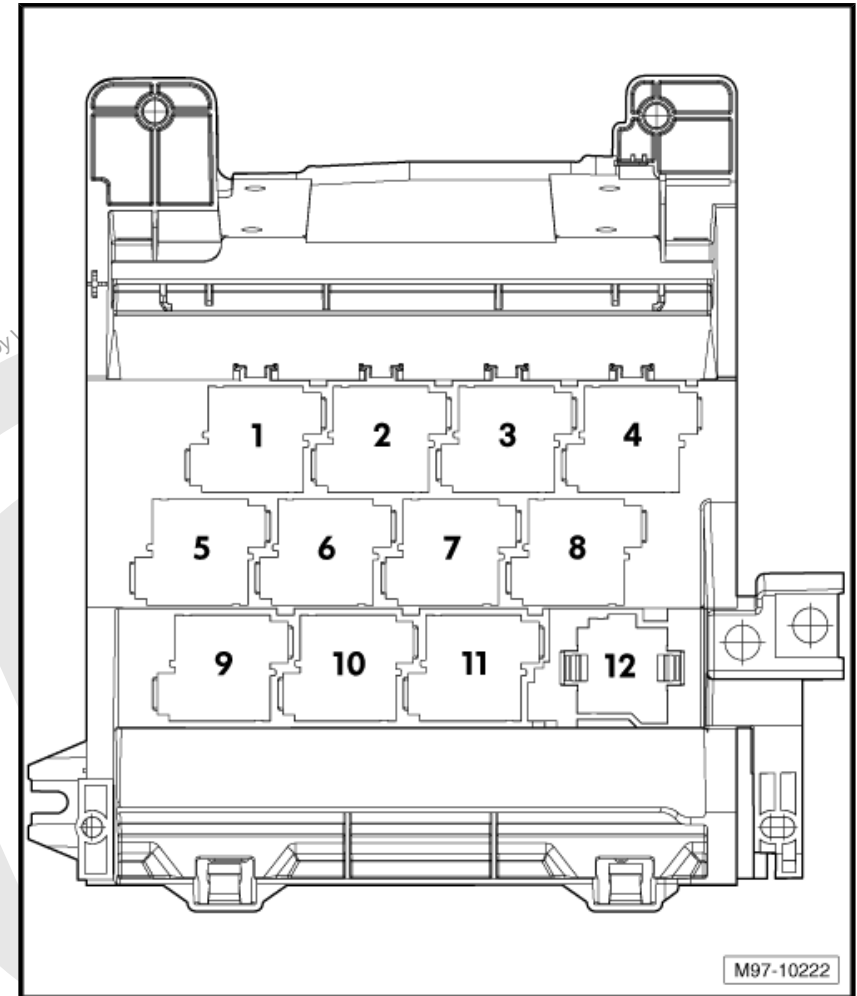
1.7 Overview of relays under dash panel, 12-socket relay carrier, LHD (E-box high), MY 2012

- 1 - Dual tone horn relay -J4- (446)
- 1 - Headlight washer system relay -J39- (446)
 - Relay socket 1.1
- 2 - Terminal 50 voltage supply relay -J682- (507)
- 2 - Starter relay 2 -J907- (507)
- 3 - Cold start device relay -J41- (645)
- 3 - Electric fuel pump 2 relay -J49- (646)
 - Relay socket 3.1
- 3 - Heater element relay -J925- (646)
 - Relay socket 3.2
- 4 - Continued coolant circulation relay -J151- (646)
 - Gradually discontinued (new relay slot 4, on E-box high)
- 4 - Additional coolant pump relay -J496- (646)
 - Relay socket 4.1
- 4 - Fuel supply relay -J643- (446)
- 4 - Fuel pump relay -J17- (446)
 - Relay socket 4.2
- 5 - Terminal 75 voltage supply relay 1 -J680- (645)
 - Gradually discontinued (new relay socket 10)
- 5 - Vacant
 - Gradual change
- 6 - Terminal 50 voltage supply relay -J682- (645)
- 6 - Starter relay 1 -J906- (645)
- 7 - Auxiliary heater operation relay -J485- (646)
- 8 - Heated rear window relay -J9- (646)
- 9 - Terminal 15 voltage supply relay 2 -J681- (645)
- 10 - Terminal 75 voltage supply relay 1 -J680- (645), gradual introduction
- 11 - Fresh air blower relay -J13- (645)
- 12 - Vacant



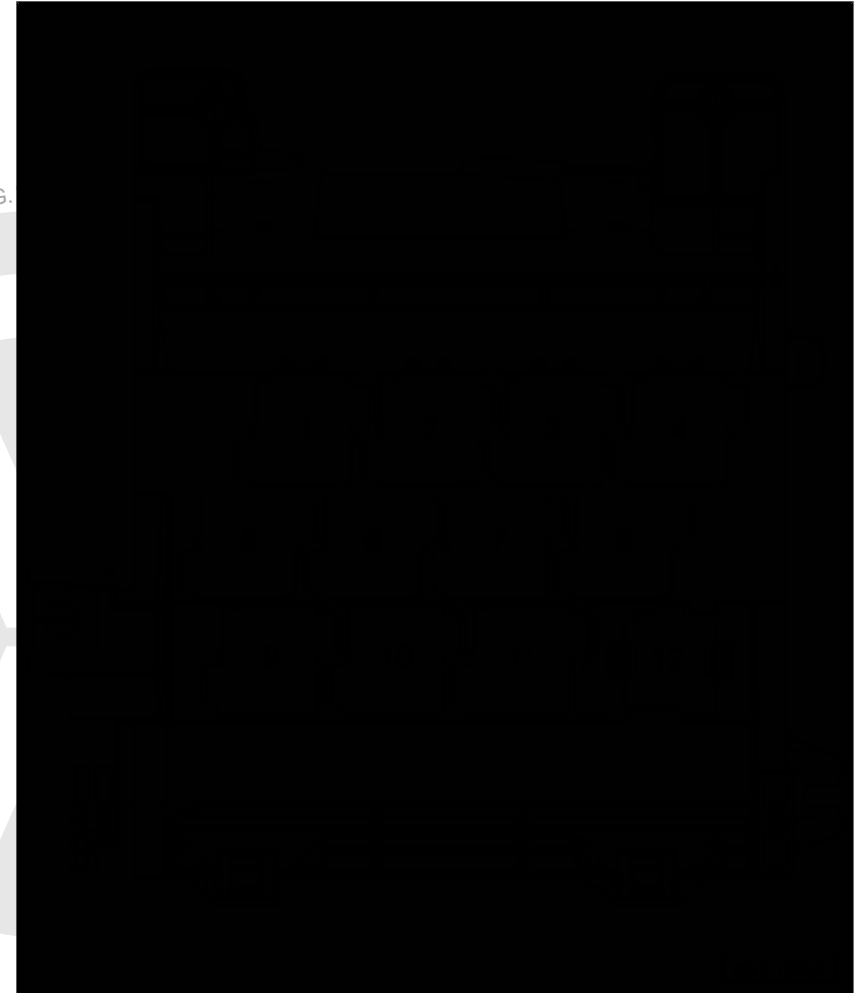
1.8 Overview of relays under dash panel, 12-socket relay carrier, RHD (E-box high) MY 2012

- 1 - Dual tone horn relay -J4- (446)
- 1 - Headlight washer system relay -J39- (446)
 - Relay socket 1.1
- 2 - Terminal 50 voltage supply relay -J682- (507)
- 2 - Starter relay 2 -J907- (507)
- 3 - Electric fuel pump 2 relay -J49- (646)
- 3 - Heater element relay -J925- (646)
- 4 - Continued coolant circulation relay -J151- (646)
 - Gradually discontinued (new relay slot 4, on E-box high)
- 4 - Vacant
 - Gradual change
- 5 - Terminal 75 voltage supply relay 1 -J680- (645)
 - Gradually discontinued (new relay socket 10)
- 5 - Additional coolant pump relay -J496- (646)
- 5 - Fuel supply relay -J643- (446)
- 5 - Fuel pump relay -J17- (446)
- 6 - Terminal 50 voltage supply relay -J682- (645)
- 6 - Starter relay 1 -J906- (645)
- 7 - Terminal 15 voltage supply relay -J329- (645)
- 8 - Dipped beam relay -J331- (645)
- 9 - Terminal 15 voltage supply relay 2 -J681- (645)
- 10 - Terminal 75 voltage supply relay 1 -J680- (645), gradual introduction
- 11 - Fog light relay -J5- (645)
- 12 - Vacant



1.9 Overview of relays under dash panel, 12-socket relay carrier, LHD (E-box low), MY 2013

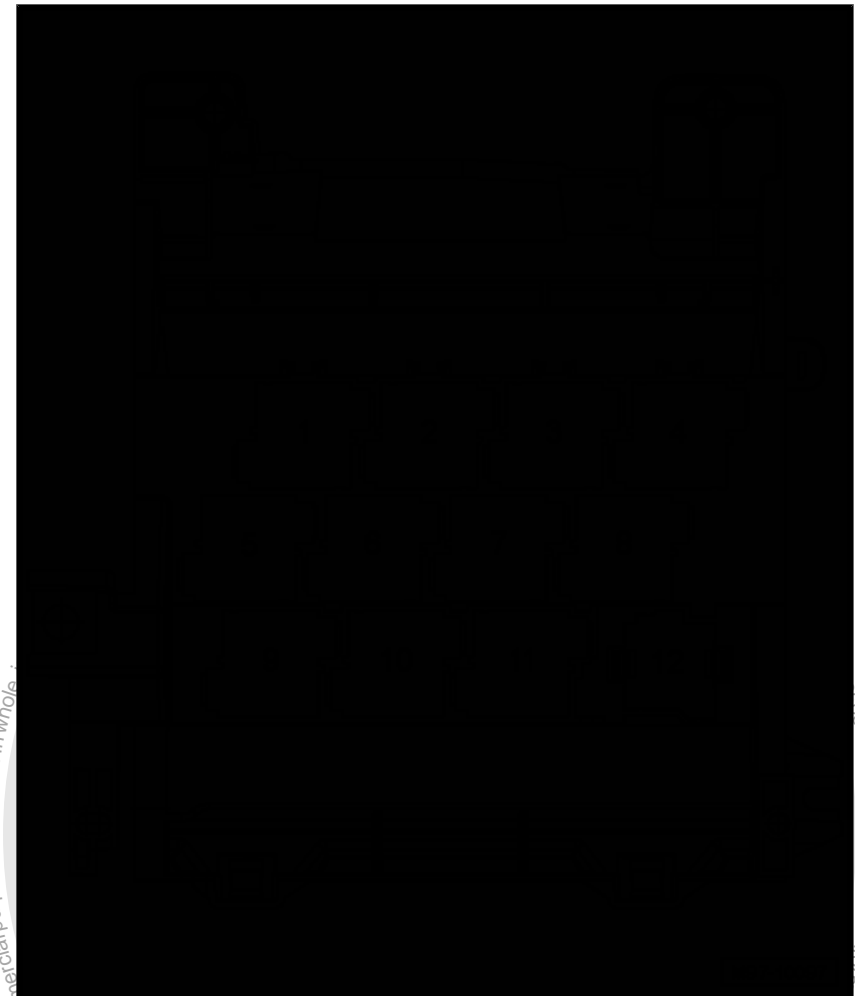
- 1 - Dual tone horn relay -J4- (446)
- 1 - Alarm horn relay -J641- (446)
 - USA, Mexico
 - Relay socket 1.2
- 1 - Headlight washer system relay -J39- (446)
- 2 - Terminal 50 voltage supply relay -J682- (507)
- 2 - Starter relay 2 -J907- (507)
 - Relay socket 2.1
- 3 - Cold start device relay -J41- (645)
- 3 - Electric fuel pump 2 relay -J49- (646)
 - Relay socket 3.1
- 3 - Heater element relay -J925- (646)
 - Relay socket 3.2
- 4 - Fuel pump relay -J17- (446)
- 4 - Additional coolant pump relay -J496- (646)
- 4 - Fuel supply relay -J643- (446)
- 5 - Vacant
- 6 - Terminal 50 voltage supply relay -J682- (645)
- 6 - Starter relay 1 -J906- (645)
- 7 - Terminal 15 voltage supply relay -J329- (645)
- 8 - Dipped beam relay -J331- (645)
- 9 - Terminal 15 voltage supply relay 2 -J681- (645)
- 10 - Terminal 75 voltage supply relay 1 -J680- (645)
- 11 - Fog light relay -J5- (645)
- 12 - Converter box -J935- (499)



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1.10 Overview of relays under dash panel, 12-socket relay carrier, LHD (E-box high), from MY 2013

- 1 - Dual tone horn relay -J4- (446)
- 1 - Headlight washer system relay -J39- (446)
 - Relay socket 1.1
- 2 - Terminal 50 voltage supply relay -J682- (507)
- 2 - Starter relay 2 -J907- (507)
- 2 - Open window regulator relay, driver side -J550- (650)
 - Relay socket 2.1
- 2 - Close window regulator relay, driver side -J551- (650)
 - Relay socket 2.2
- 3 - Cold start device relay -J41- (645)
- 3 - Secondary air pump relay -J299- (CNLA)
- 3 - Electric fuel pump 2 relay -J49- (646)
- 3 - Open window regulator relay, front passenger side -J552- (650)
 - Relay socket 3.1
- 3 - Heater element relay -J925- (646)
- 3 - Close window regulator relay, front passenger side -J553- (650)
 - Relay socket 3.2
- 4 - Fuel pump relay -J17- (446)
- 4 - Additional coolant pump relay -J496- (646)
- 4 - Fuel supply relay -J643- (446)
- 4 - Engine component current supply relay -J757- (449)
 - Relay socket 4.2
- 5 - Vacant
- 6 - Terminal 50 voltage supply relay -J682- (645)
- 6 - Starter relay 1 -J906- (645)
- 7 - Auxiliary heater operation relay -J485- (646)
- 7 - Window regulator relay -J51- (650)
- 8 - Heated rear window relay -J9- (646)



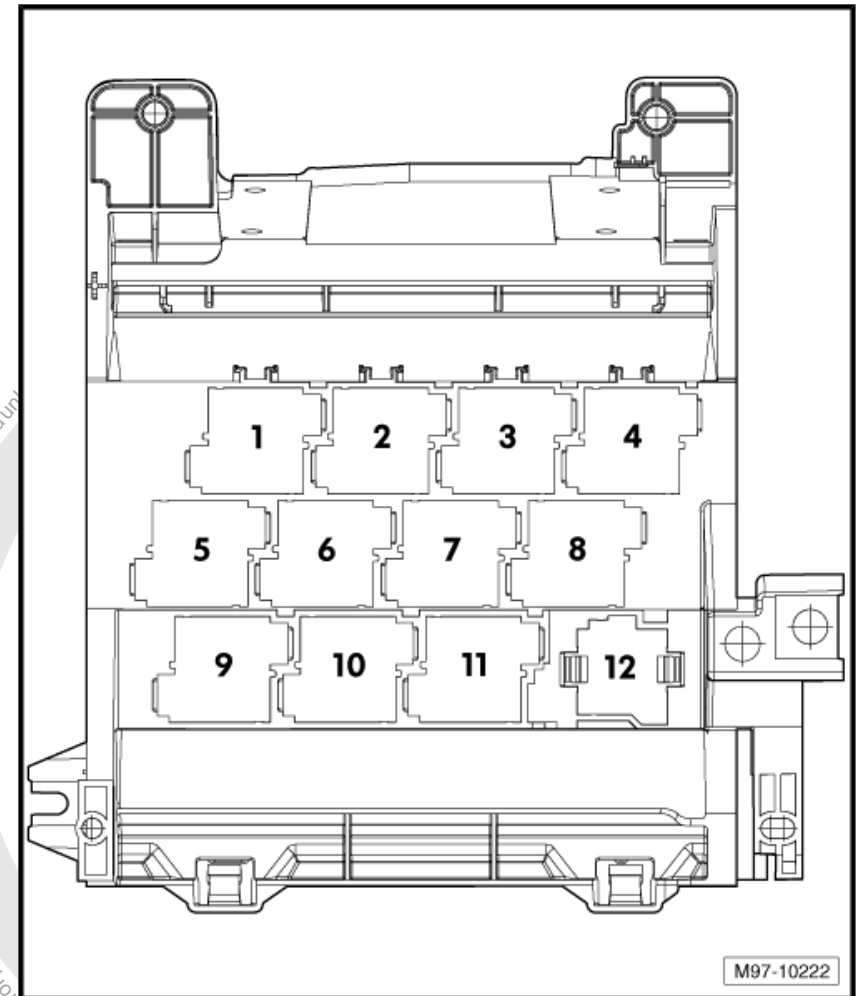
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- 9 - Terminal 15 voltage supply relay 2 -J681- (645)
- 10 - Terminal 75 voltage supply relay 1 -J680- (645)
- 11 - Fresh air blower relay -J13- (645)
- 11 - Fan enabling relay -J937- (646)
 - Only for models with high-voltage system (hybrid)
- 12 - Vacant



1.11 Overview of relays under dash panel, 12-socket relay carrier, RHD (E-box high), from MY 2013

- 1 - Dual tone horn relay -J4- (446)
- 1 - Headlight washer system relay -J39- (446)
 - Relay socket 1.1
- 2 - Terminal 50 voltage supply relay -J682- (507)
- 2 - Starter relay 2 -J907- (507)
- 3 - Electric fuel pump 2 relay -J49- (646)
- 3 - Heater element relay -J925- (646)
- 4 - Vacant
- 5 - Fuel pump relay -J17- (646)
- 5 - Additional coolant pump relay -J496- (646)
- 5 - Engine component current supply relay -J757- (449)
 - Relay socket 5.2
- 6 - Terminal 50 voltage supply relay -J682- (645)
- 6 - Starter relay 1 -J906- (645)
- 7 - Auxiliary heater operation relay -J485- (646)
- 8 - Heated rear window relay -J9- (646)
- 9 - Terminal 15 voltage supply relay 2 -J681- (645)
- 10 - Terminal 75 voltage supply relay 1 -J680- (645)
- 11 - Fresh air blower relay -J13- (645)
- 12 - Vacant



1 Control units



Note

The architecture of the electrical equipment of the Jetta is recognized according to the assignment of the E-box. When slots R1 and R2 are vacant it is an E-box low, equipment level low (AW0). When slots R1 and R2 are occupied it is an E-box high, equipment level high (AW1).

Equipment low (AW0):

- ◆ Onboard supply control unit -J519- with T73a and T73b
- ◆ Data bus diagnostic interface -J533- integrated in onboard supply control unit -J519-
- ◆ Left steering column switch -EX19-
- ◆ Right steering column switch -EX20-
- ◆ Converter box -J935-
- ◆ Steering column electronics control unit -J527- , not present

Equipment high (AW1):

- ◆ Onboard supply control unit -J519- with T52a, T52b and T52c
- ◆ Data bus diagnostic interface -J533-
- ◆ Steering column electronics control unit -J527-

1.1 Overview of control units

Overview of auxiliary control units and components for hybrid vehicles ⇒ [page 5](#)

1 - ABS control unit -J104-

- Fitting location ⇒ [page 14](#)
- Connector assignment 47-pin connector -T47- ⇒ [page 14](#)
- Connector assignment 26-pin connector -T26- ⇒ [page 16](#)

2 - Airbag control unit -J234-

- Fitting location ⇒ [page 17](#)
- Connector assignment 50-pin connector -T50- ⇒ [page 17](#)
- Connector assignment 75-pin connector -T75- ⇒ [page 19](#)
- Connector assignment 100-pin connector -T100- ⇒ [page 20](#)

3 -

Fresh air blower control unit -J126-

- Fitting location ⇒ [page 21](#)
- Control unit for cornering light and headlight range control -J745-
- Fitting location on right of glove compartment
- Connector assignment ⇒ [page 22](#)

4 -

Multimedia system control unit -J650-

- Fitting location ⇒ [page 23](#)
- Voltage stabiliser -J532-
- Fitting location ⇒ [page 24](#)

5 -

Radio -R- / Control unit with display for radio and navigation -J503-

- Fitting location: dash panel, centre

6 -

Climatronic control unit -J255- / air conditioning system control unit -J301-

- Fitting location Climatronic control unit ⇒ [page 26](#)
- Fitting location Air conditioning system control unit ⇒ [page 27](#)

7 - Front passenger door control unit -J387-

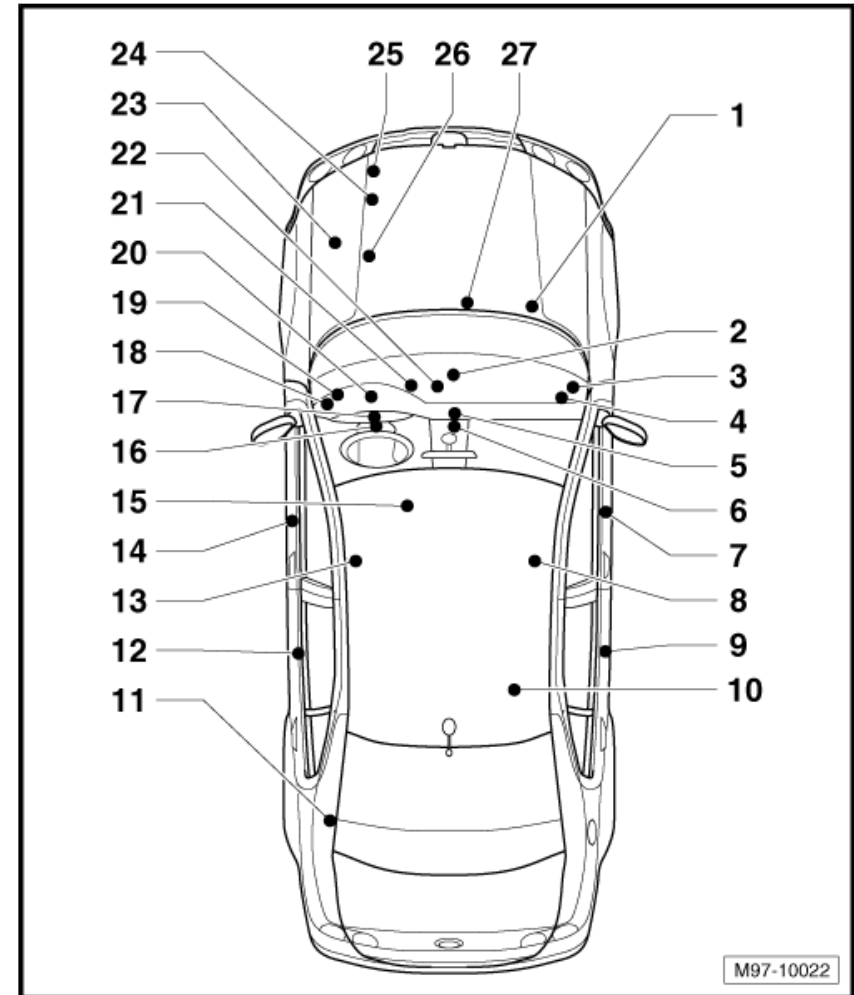
- Fitting location: in front passenger door
- Connector assignment low-line equipment (AW0) ⇒ [page 28](#)
- Connector assignment high-line equipment (AW1) ⇒ [page 29](#)

8 - Telephone transmitter and receiver unit -R36-

- Fitting location ⇒ [page 30](#)

9 - Rear right door control unit -J389-

- Fitting location: in rear right door



- Connector assignment low-line equipment (AW0) ⇒ [page 31](#)
- Connector assignment high-line equipment (AW1) ⇒ [page 32](#)
- 10 - Fuel pump control unit -J538-**
 - Fitting location ⇒ [page 33](#)
 - Connector assignment ⇒ [page 33](#)
- 11 - Trailer detector control unit -J345-**
 - Installed location in left side panel
 - Connector assignment ⇒ [page 35](#)
- 12 - Rear left door control unit -J388-**
 - Fitting location: in rear left door
 - Connector assignment low-line equipment (AW0) ⇒ [page 36](#)
 - Connector assignment high-line equipment (AW1) ⇒ [page 37](#)
- 13 - Amplifier -R12-**
 - Fitting location ⇒ [page 38](#)
- 14 - Driver door control unit -J386-**
 - Fitting location: in driver door
 - Connector assignment low-line equipment (AW0) ⇒ [page 39](#)
 - Connector assignment high-line equipment (AW1) ⇒ [page 40](#)
- 15 - Heated front seats control unit -J774-**
 - Fitting location ⇒ [page 41](#)
- 16 - Steering column electronics control unit -J527-**
 - Fitting location ⇒ [page 42](#)
- 17 - Electronic steering column lock control unit -J764-**
 - Fitting location ⇒ [page 43](#)
- 18 - Onboard supply control unit -J519-**
 - Fitting location near fuse holder C under instrument panel on driver side
 - Connector assignment low-line equipment (AW0) ⇒ [page 44](#)
 - Connector assignment high-line equipment (AW1) ⇒ [page 49](#)
- 19 - Parking aid control unit -J446-**
 - Fitting location: below instrument panel, near onboard supply control unit (BCM)
 - Connector assignment ⇒ [page 56](#)

20 -

Dash panel insert -K- / Control unit in dash panel insert -J285- / Immobiliser control unit -J362-

- Connector assignment ⇒ [page 57](#)

21 - Entry and start authorisation control unit -J518-

- Fitting location ⇒ [page 59](#)

22 - Data bus diagnostic interface -J533-

- Fitting location ⇒ [page 60](#)

23 - Automatic gearbox control unit -J217-

- Fitting location: in engine compartment, near battery (engine code CBTA, CCCA, CBUA)
- Fitting location: below plenum chamber cover on front passenger side (engine code CBPA, CKJA)
- Connector assignment ⇒ [page 61](#)

24 - Mechatronic unit for dual clutch gearbox -J743-

Dual clutch gearbox 02E:

- Fitting location ⇒ [page 62](#)
- 20-pin connector assignment ⇒ [page 62](#)

Dual clutch gearbox 0AM:

- Fitting location ⇒ [page 63](#)
- 25-pin connector assignment ⇒ [page 63](#)

25 - Radiator fan control unit -J293-

- Fitting location ⇒ [page 65](#)

26 -

Engine control unit -J623-

- Fitting location: in engine compartment, front left
- 154-pin connector assignment ⇒ [page 66](#)
- 196-pin connector assignment ⇒ [page 67](#)
- Battery monitor control unit -J367-
- Fitting location ⇒ [page 68](#)

27 - Power steering control unit -J500-

- Fitting location ⇒ [page 68](#)
- Connector assignment ⇒ [page 68](#)



1.2 Overview of auxiliary control units and components for hybrid vehicles



DANGER!

High voltage may be deadly!



Note

Read the information before beginning work on the high-voltage (HV) system ⇒ Rep. Gr. 93 ; Gene

1 - Battery fan 1 -V457-

- ❑ Fitting location: in luggage compartment on front passenger side

2 - Hybrid battery unit -AX1- / Hybrid battery -A38- / Battery regulation control unit -J840-

- ❑ Fitting location: in luggage compartment

3 - Battery -A-

- ❑ Fitting location ⇒ [page 6](#)
- ❑ Battery monitor control unit -J367-
- ❑ Fitting location ⇒ [page 7](#)

4 - power and control electronics for electric drive -JX1-

- ❑ Fitting location ⇒ [page 8](#)

5 - Jump start connection -TV32-

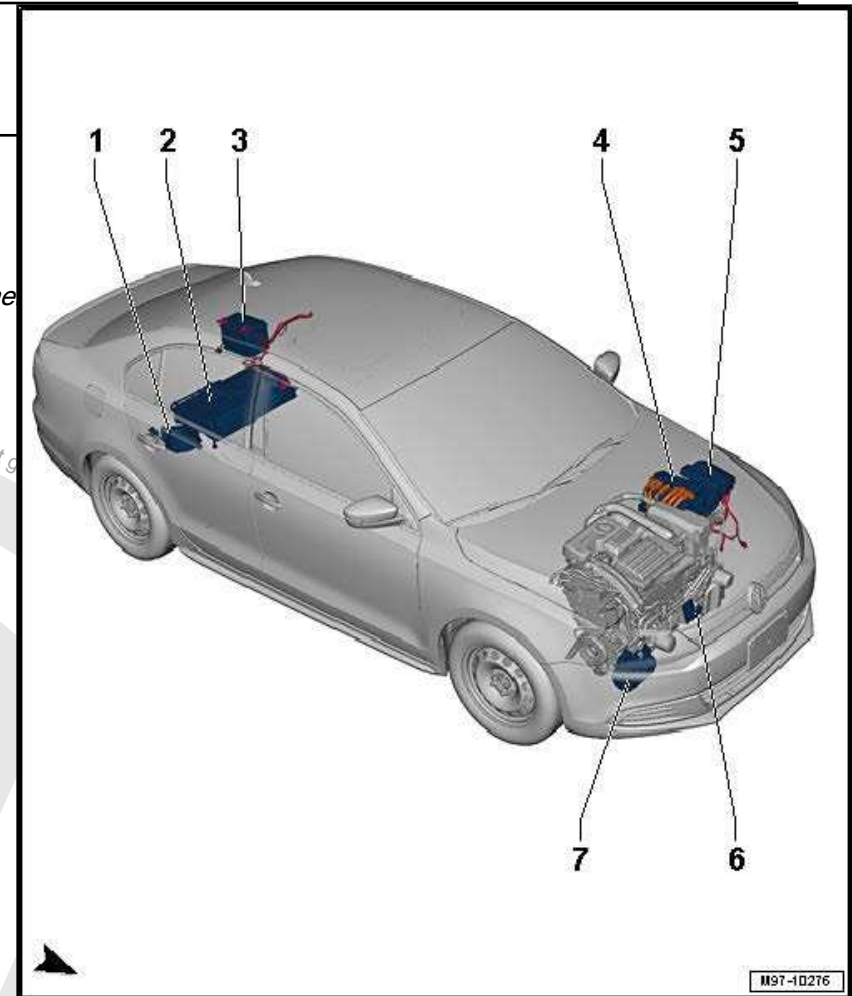
- ❑ Fitting location ⇒ [page 9](#)

6 - Three-phase current drive -VX54-

- ❑ Fitting location ⇒ [page 10](#)
- ❑ Connector assignment ⇒ [page 11](#)

7 - Electrical air conditioner compressor -V470- / Control unit for air conditioning compressor -J842-

- ❑ Fitting location and / assignment ⇒ [page 13](#)



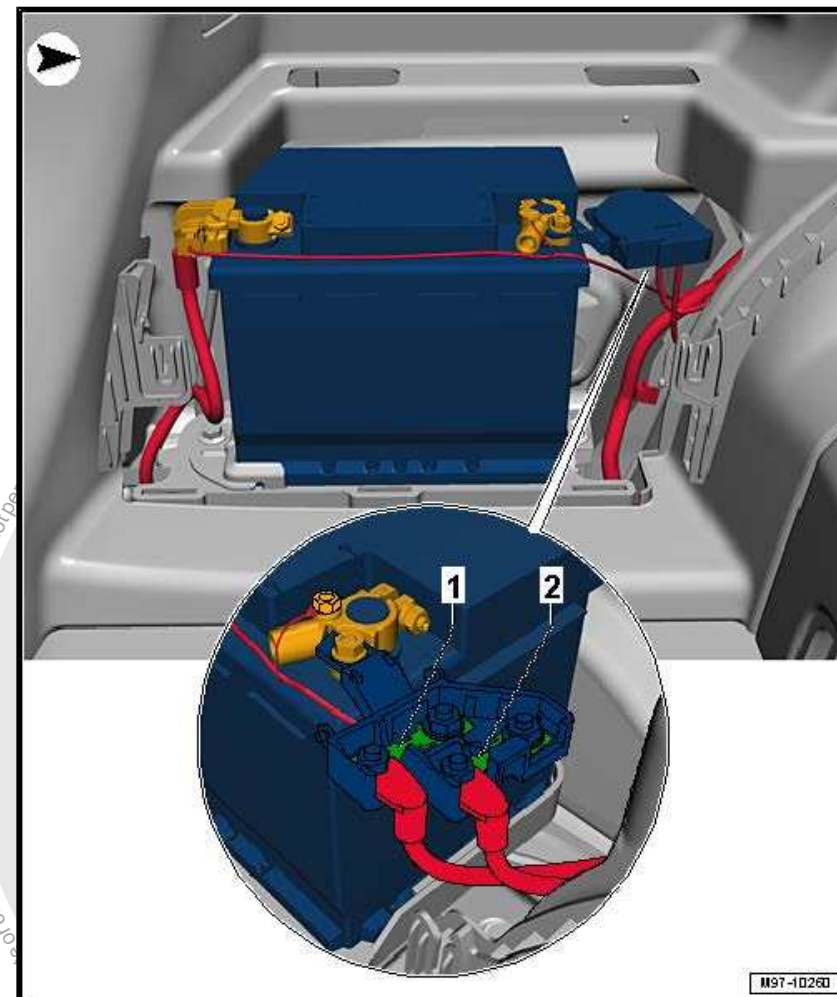
M97-10276

1.3 Battery -A-

Only for models with high-voltage system (hybrid).

1 - Fuse 1 (30), on battery fuse holder -S162-

2 - Fuse 2 (30), on battery fuse holder -S163-



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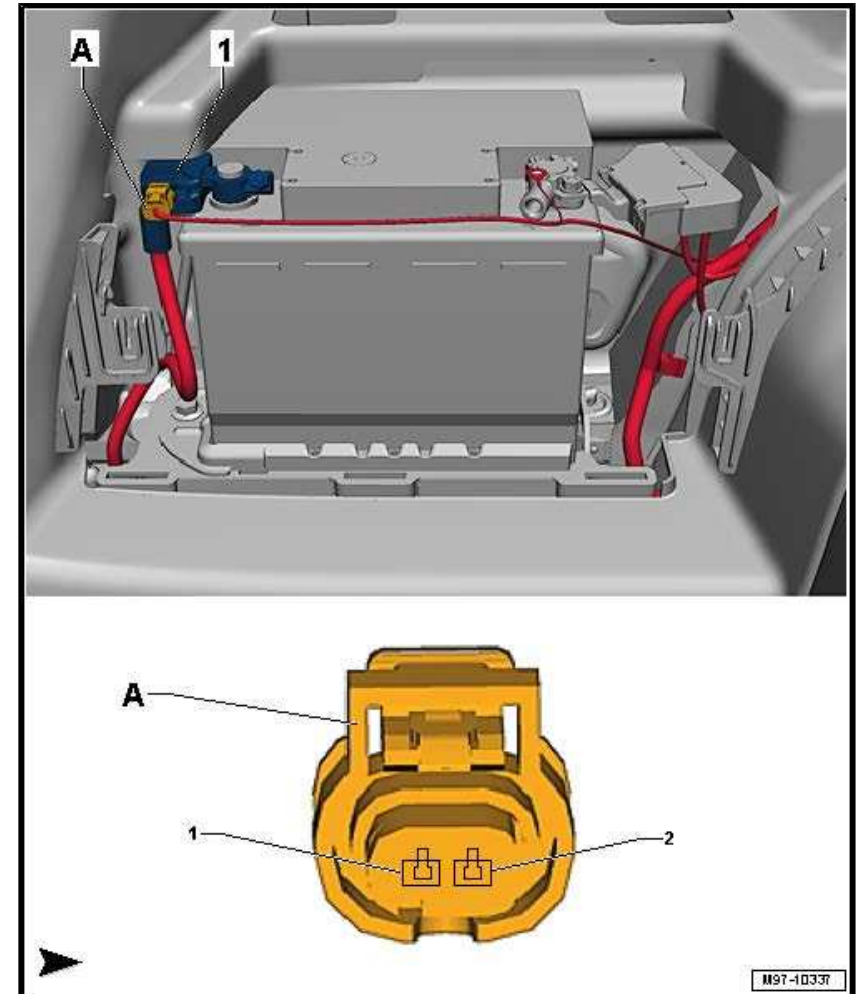
Back to overview ⇒ [page 5](#)

1.3.1 Battery monitor control unit -J367-

Fitting location: in luggage compartment, on battery negative terminal

1 - Battery monitor control unit -J367-

A - 2-pin connector -T2fn-



Back to overview ⇒ [page 5](#)

1.4 power and control electronics for electric drive -JX1-



DANGER!

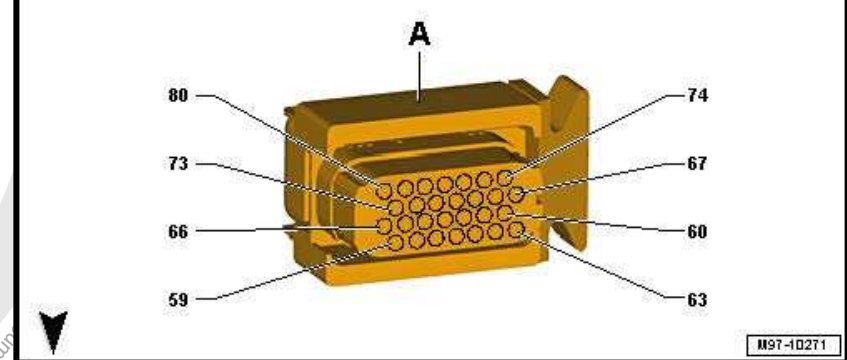
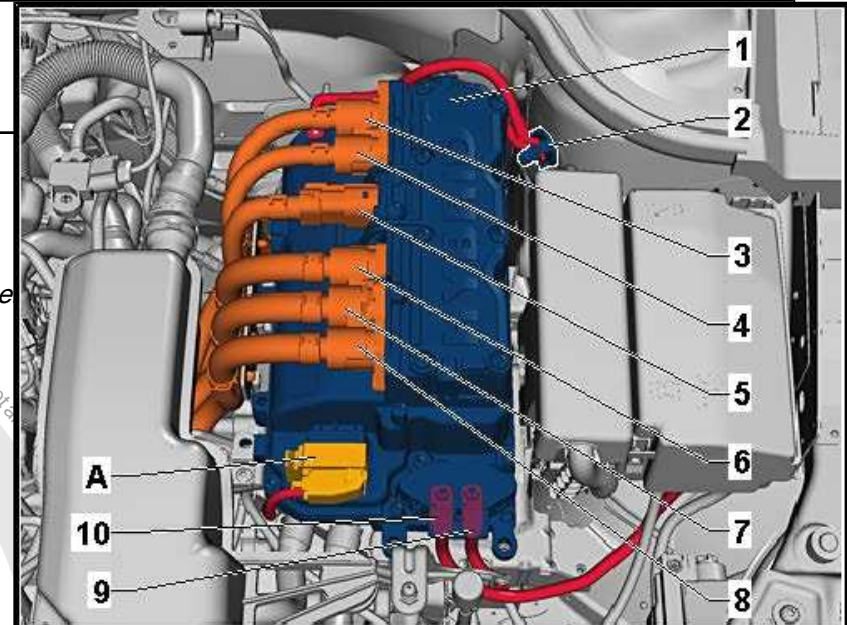
High voltage may be deadly!



Note

Read the information before beginning work on the high-voltage (HV) system ⇒ Rep. Gr. 93 ; Gene

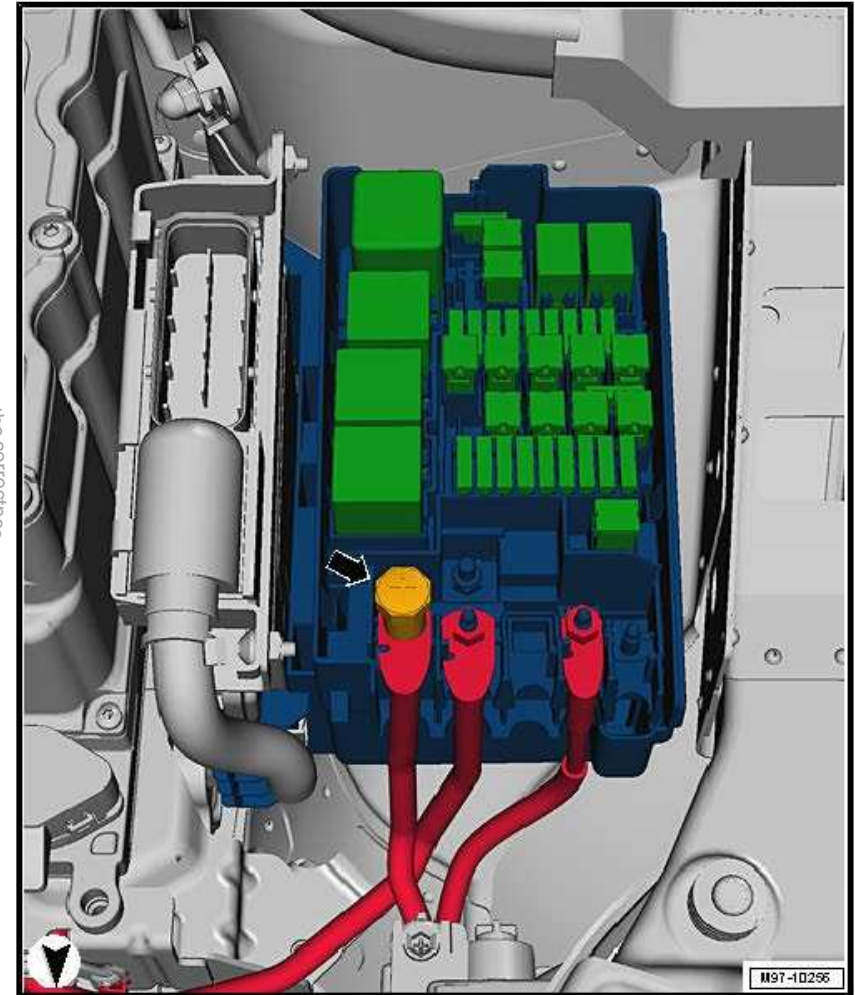
- 1 - power and control electronics for electric drive -JX1-
- 2 - Earth strap, battery - body -1-
- 3 - High-voltage wire for hybrid battery, negative terminal -P2-
- 4 - High-voltage wire for hybrid battery, positive terminal -P1-
- 5 - High-voltage wire for electrical air conditioner compressor -P3-
- 6 - High-voltage wiring harness for drive motor -PX2- , High-voltage wire 1 for drive motor -P4-
- 7 - High-voltage wiring harness for drive motor -PX2- , High-voltage wire 2 for drive motor -P5-
- 8 - High-voltage wiring harness for drive motor -PX2- , High-voltage wire 3 for drive motor -P6-
- 9 - Earth wire on C1 (wire LE -)
- 10 - Positive wire on B1 (wire LE +)
- A - 28-pin connector -T28jx-



Back to overview ⇒ [page 5](#)

1.5 Jump start connection -TV32-

- Jump start connection -TV32- , on E-box, -arrow-



Back to overview ⇒ [page 5](#)

1.6 Three-phase current drive -VX54-



DANGER!

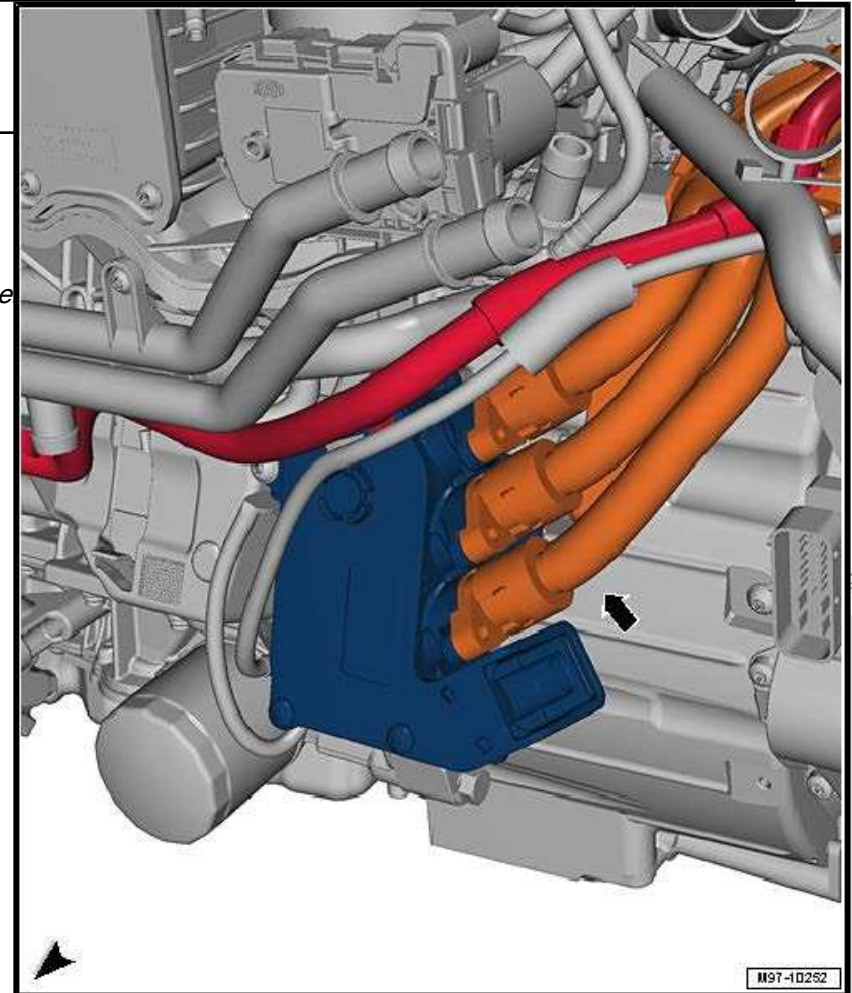
High voltage may be deadly!



Note

Read the information before beginning work on the high-voltage (HV) system ⇒ Rep. Gr. 93 ; Gene

- Three-phase current drive -VX54- -arrow-, High-voltage wiring harness for drive motor -PX2-

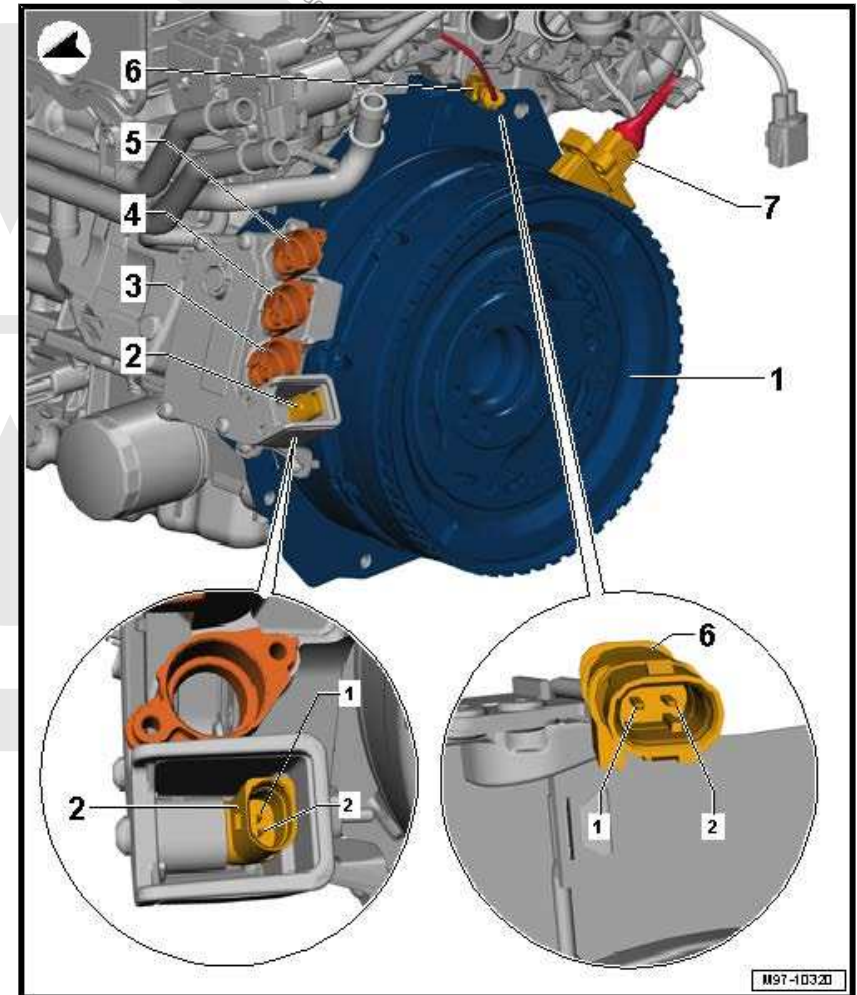


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Back to overview ⇒ [page 5](#)

1.6.1 Pin assignment on three-phase current drive -VX54-

- 1 - Three-phase current drive -VX54-
 - 2 - 2-pin connector -T2vx- For pilot line
 - 3 - High-voltage wire 3 for drive motor -P6-
 - 4 - High-voltage wire 2 for drive motor -P5-
 - 5 - High-voltage wire 1 for drive motor -P4-
 - 6 - 2-pin connector -T2va- for drive motor temperature sender -G712-
 - 7 - 4-pin connector -T4vx- for drive motor rotor position sender 1 -G713-
- Fitting location and pin assignment

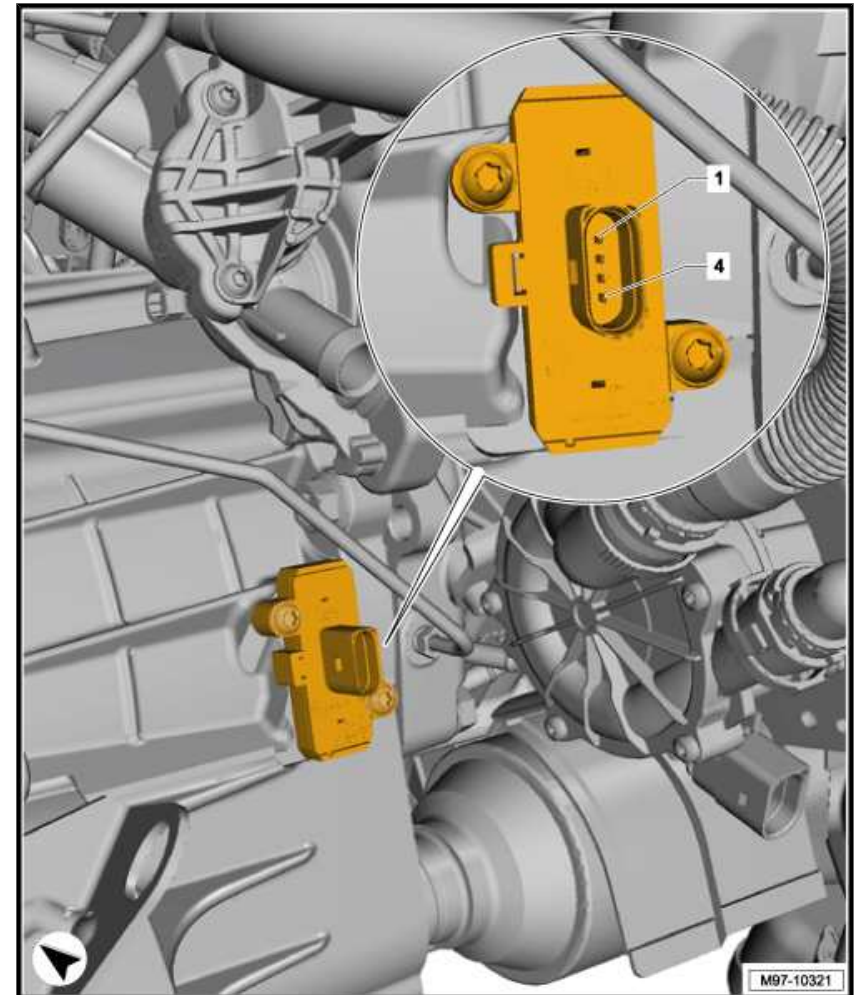


Back to overview ⇒ [page 5](#)

Drive motor rotor position sender 1 -G713- :

- Drive motor rotor position sender 1 -G713- -1 - 4-

- 4-pin connector -T4vx-



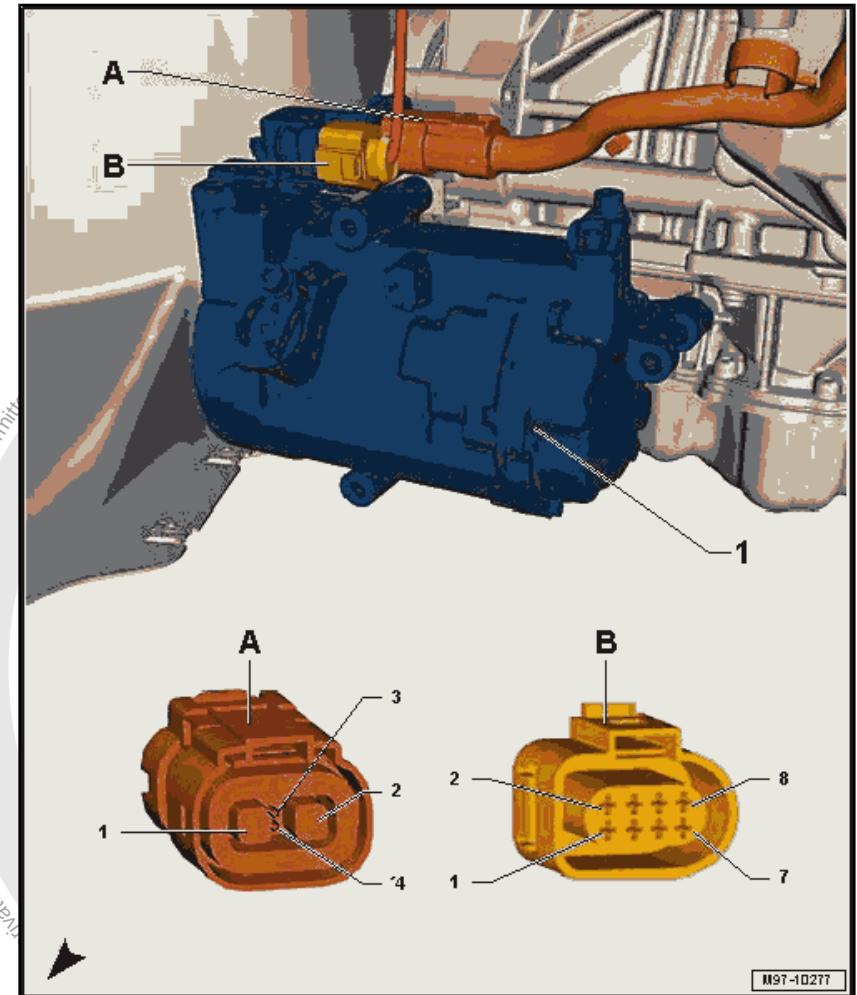
[Back to overview ⇒ page 5](#)

1.7 Electrical air conditioner compressor -V470- / Control unit for air conditioning compressor -J842-

1 - Electrical air conditioner compressor -V470- / Control unit for air conditioning compressor -J842-

A - 4-pin connector -T4bk-

B - 8-pin connector -T8ay-



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1.8 ABS control unit -J104-

- Fitting location: on bulkhead, in engine compartment, passenger side

1 - ABS control unit -J104-

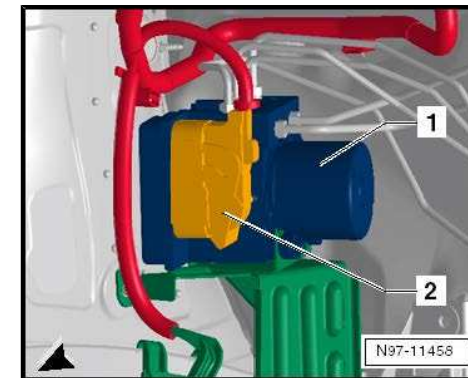
2 - 26-pin connector -T26- / 47-pin connector -T47- on wiring harness



Note

Illustration shows left-hand drive model. The view of the front passenger side for a RHD model is basically a mirror image.

1.8.1 Connector assignment:

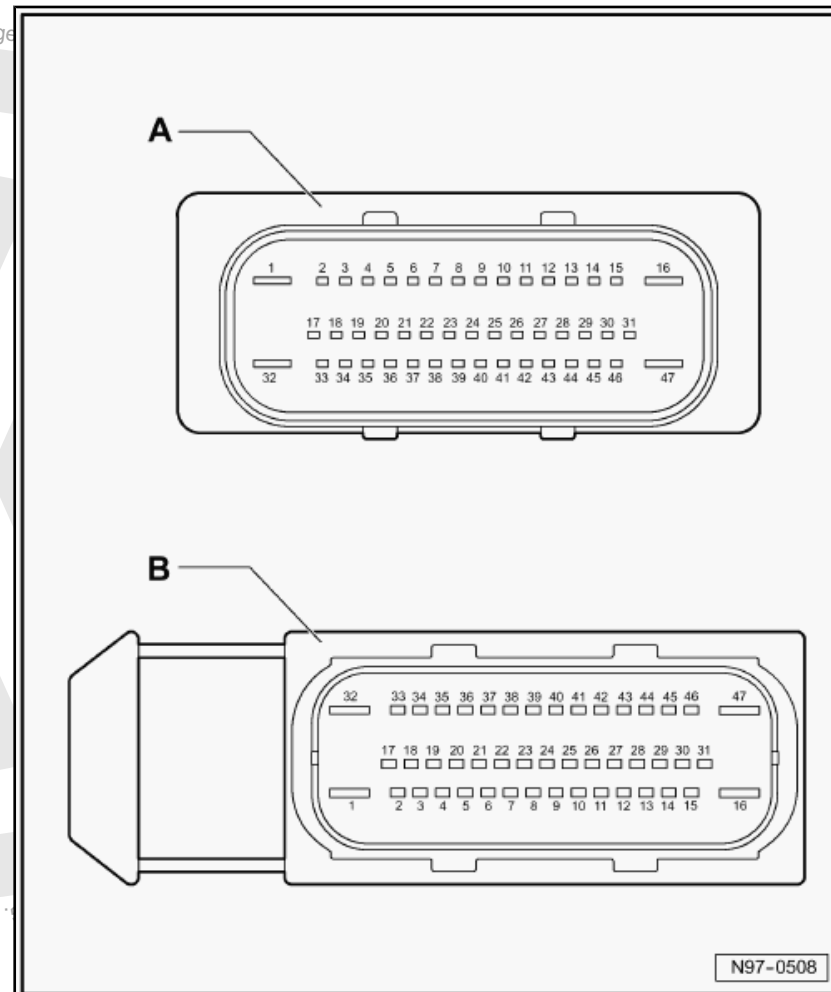


A - ABS control unit -J104-

Connector:

B - 47-pin connector -T47- on wiring harness

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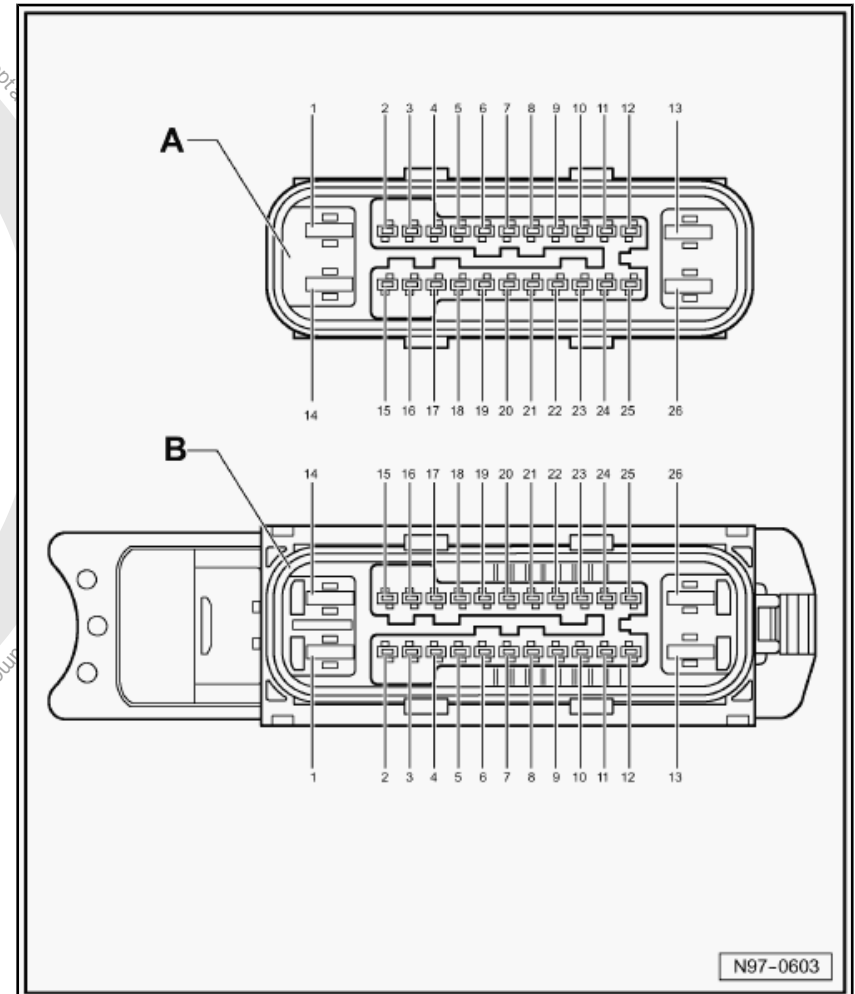
[Back to overview](#) ⇒ [page 1](#)

1.8.2 Connector assignment:

A - ABS control unit -J104-

Connector:

B - 26-pin connector -T26- on wiring harness

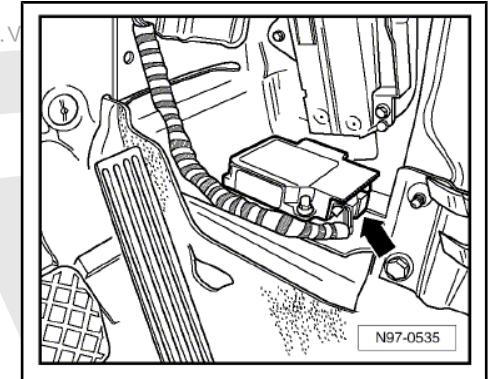


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1.9 Airbag control unit -J234-

- Fitting location: under centre console at front -arrow-

1.9.1 Connector assignment:

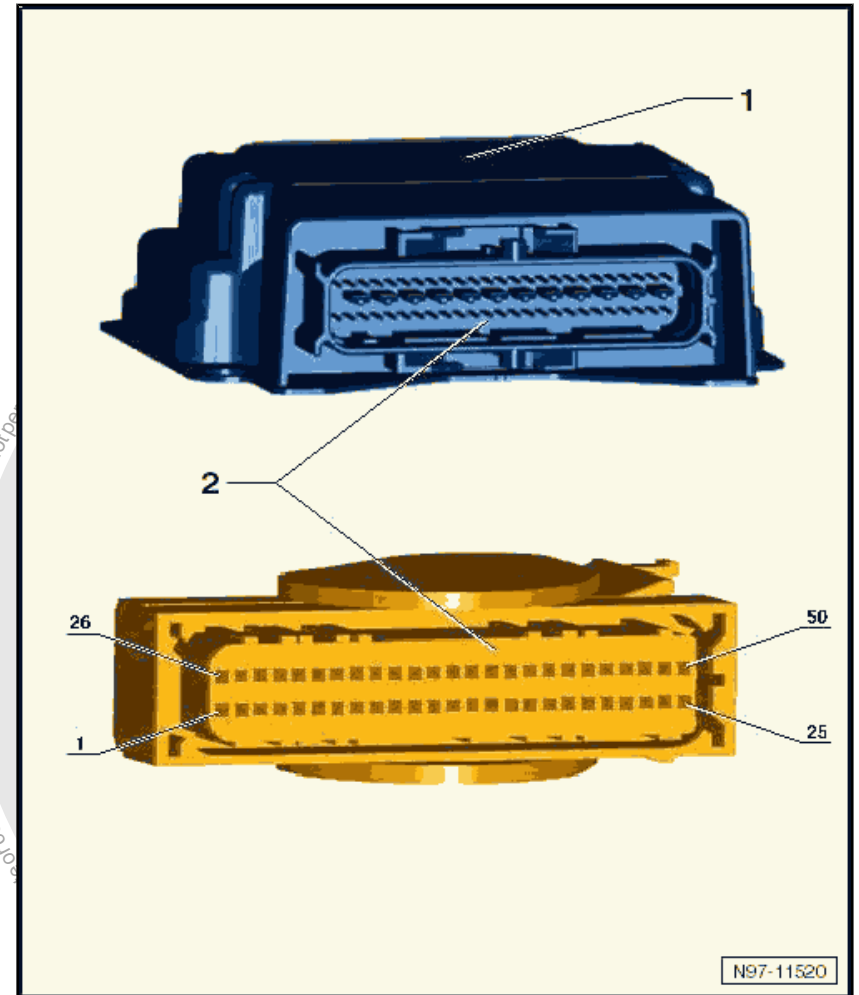


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1 - Airbag control unit -J234-

Connector:

2 - 50-pin connector -T50- on wiring harness



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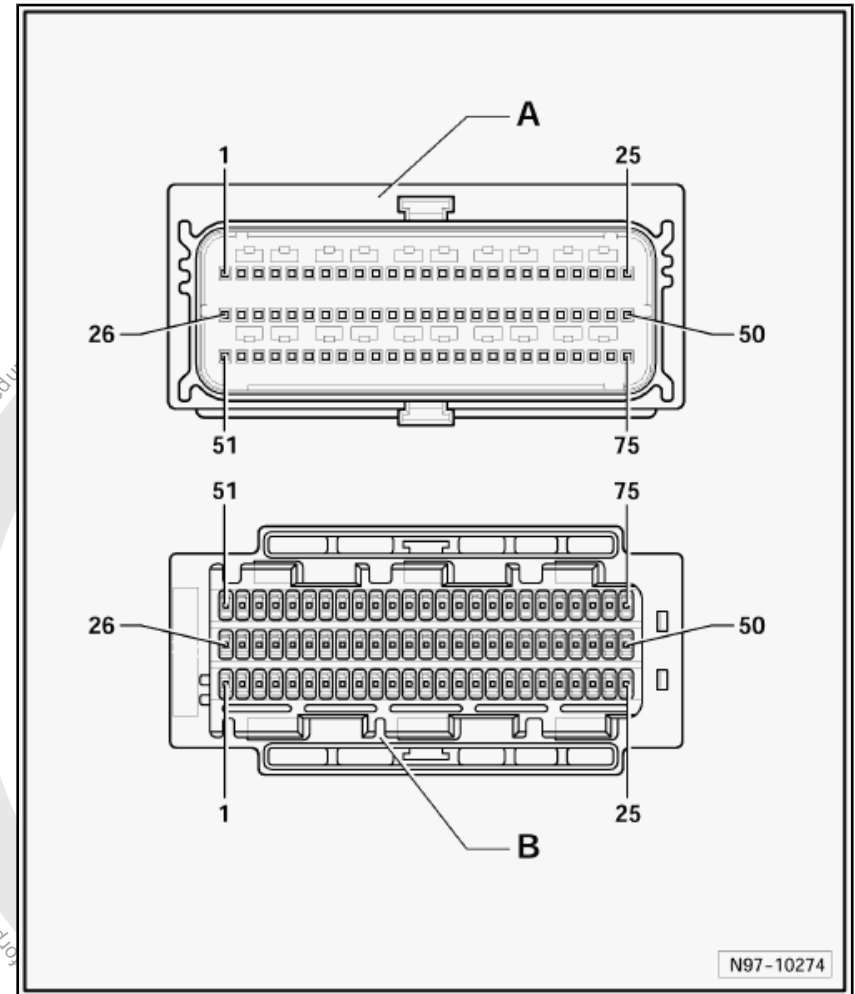
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1.9.2 Connector assignment:

A - Airbag control unit -J234-

Connector:

B - 75-pin connector -T75- on wiring harness



N97-10274

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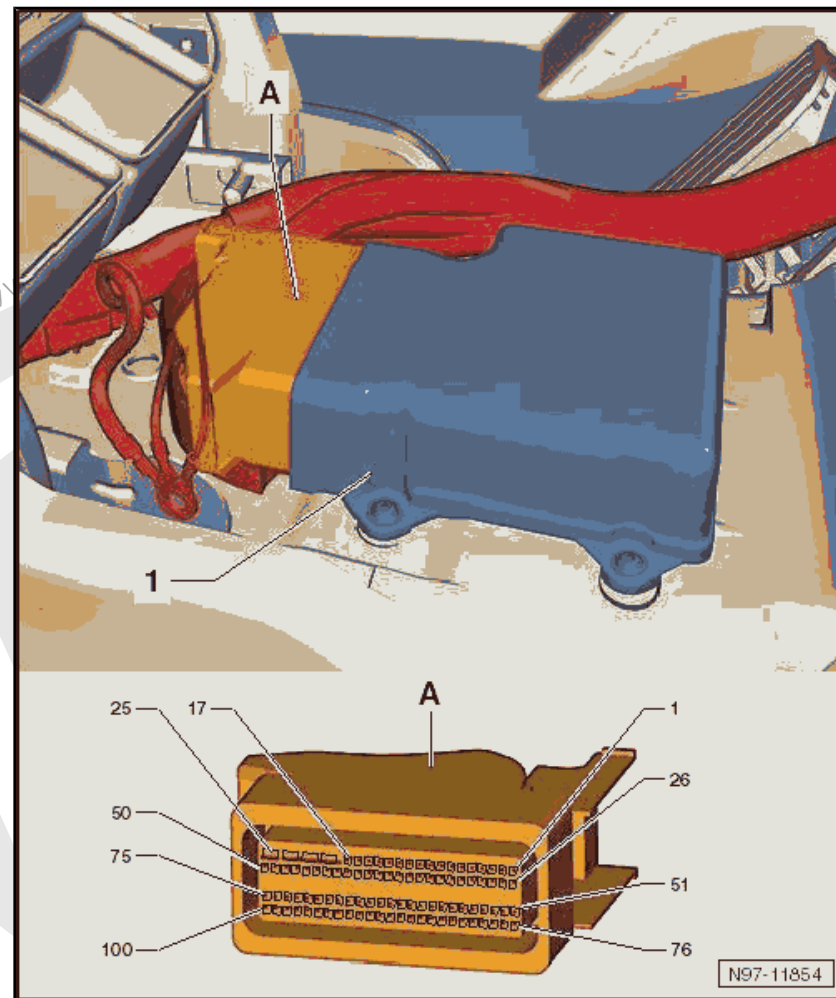
Back to overview ⇒ [page 1](#)

1.9.3 Connector assignment 100-pin connector -T100- :

1 - Airbag control unit -J234-

Connector:

A - 100-pin connector -T100- on wiring harness



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1.10 Fresh air blower control unit -J126-

1 - Fresh air blower control unit -J126-

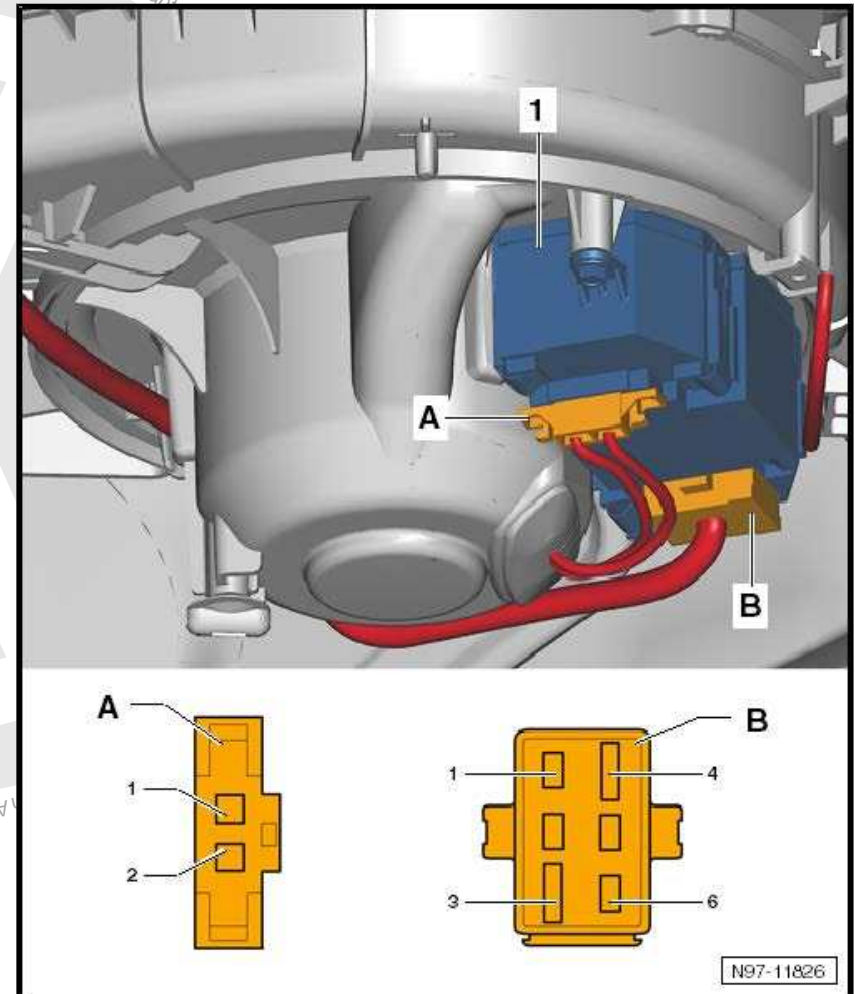
Fitting location:

- on heater and air conditioner unit, front passenger footwell

Connectors:

- A- 2-pin connector -T2- on wiring harness
- B- 6-pin connector -T6t- on wiring harness

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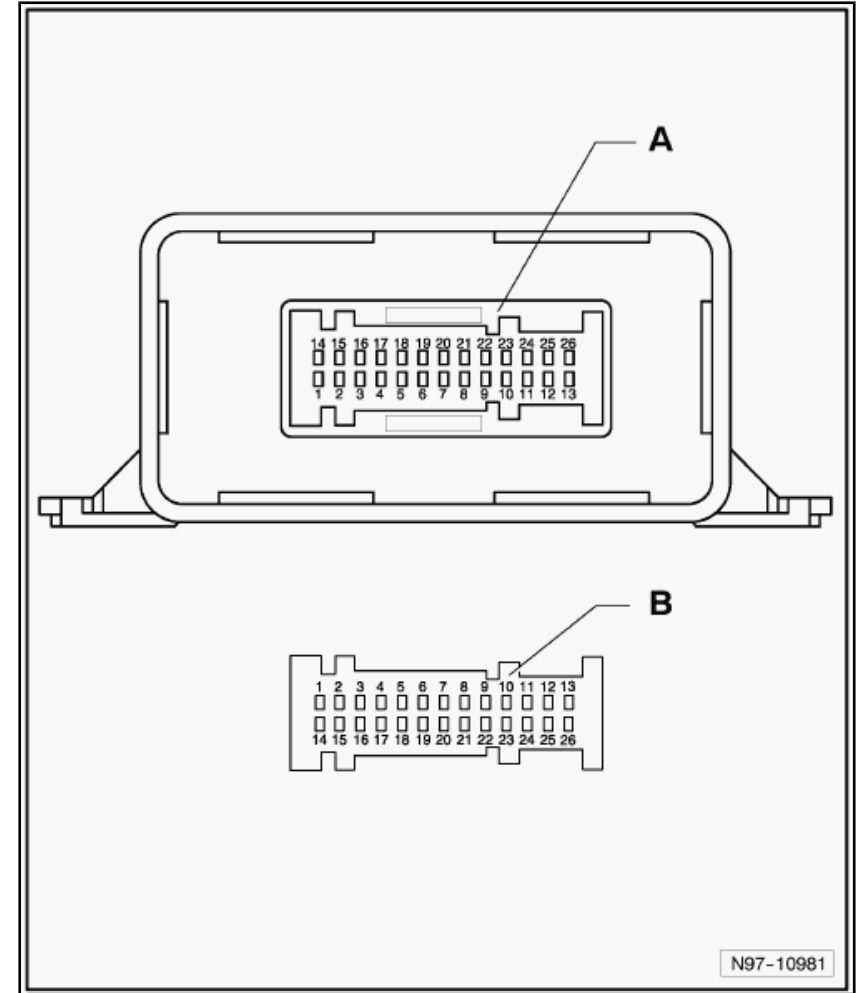
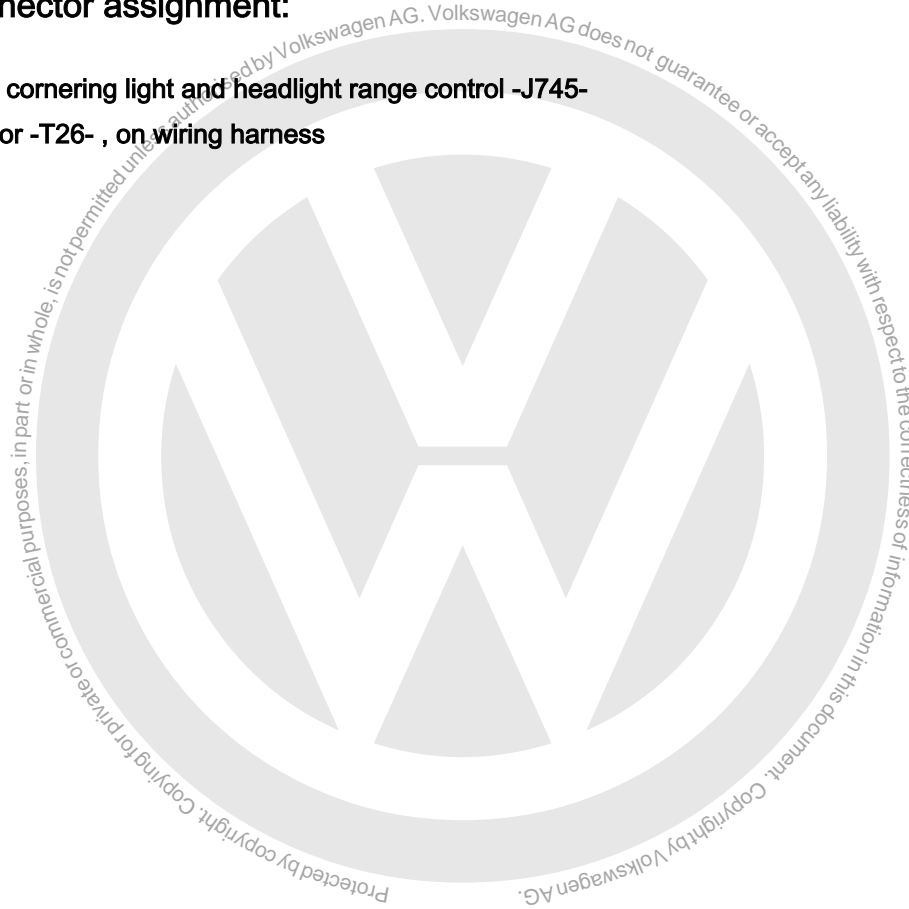
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1.11 Control unit for cornering light and headlight range control -J745-

1.11.1 Connector assignment:

A - Control unit for cornering light and headlight range control -J745-

B - 26-pin connector -T26- , on wiring harness



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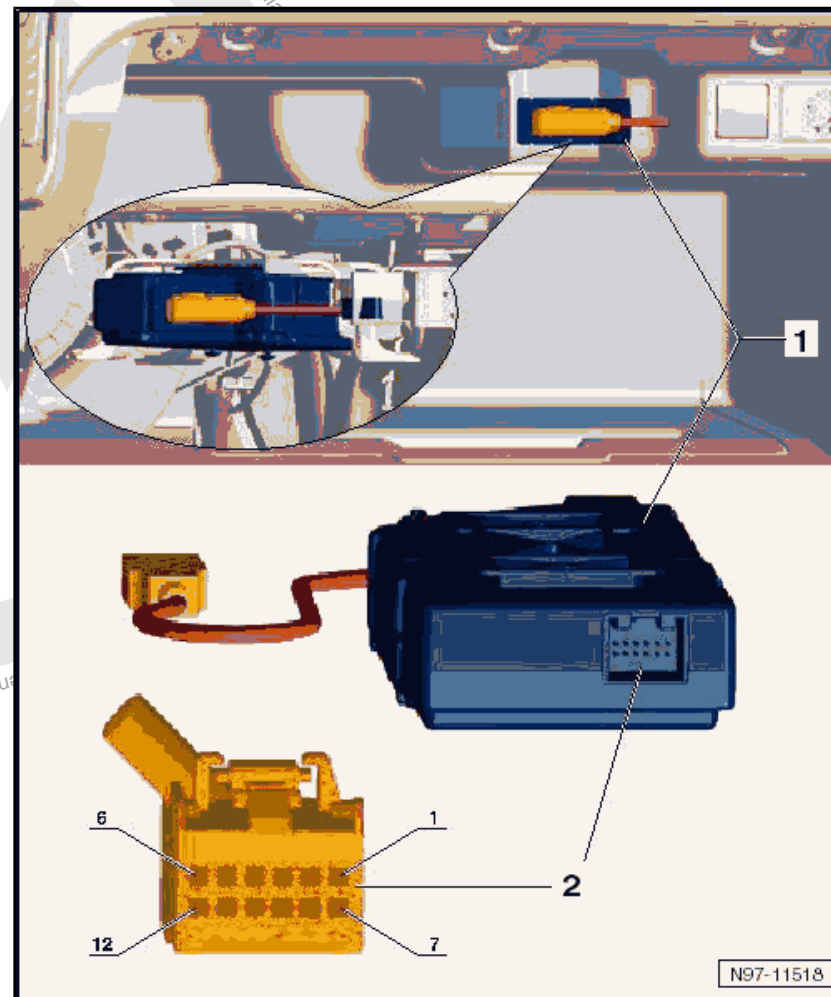
1.12 Multimedia system control unit -J650-

1 - Multimedia system control unit -J650-

Fitting location:

- in glove compartment

2 - 12-pin connector -T12h- on wiring harness



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1.13 Voltage stabiliser -J532- , 10-pin connector

10-pin connector , gradually discontinued

12-pin connector , gradual introduction ⇒ [page 25](#)

1 - Voltage stabiliser -J532-

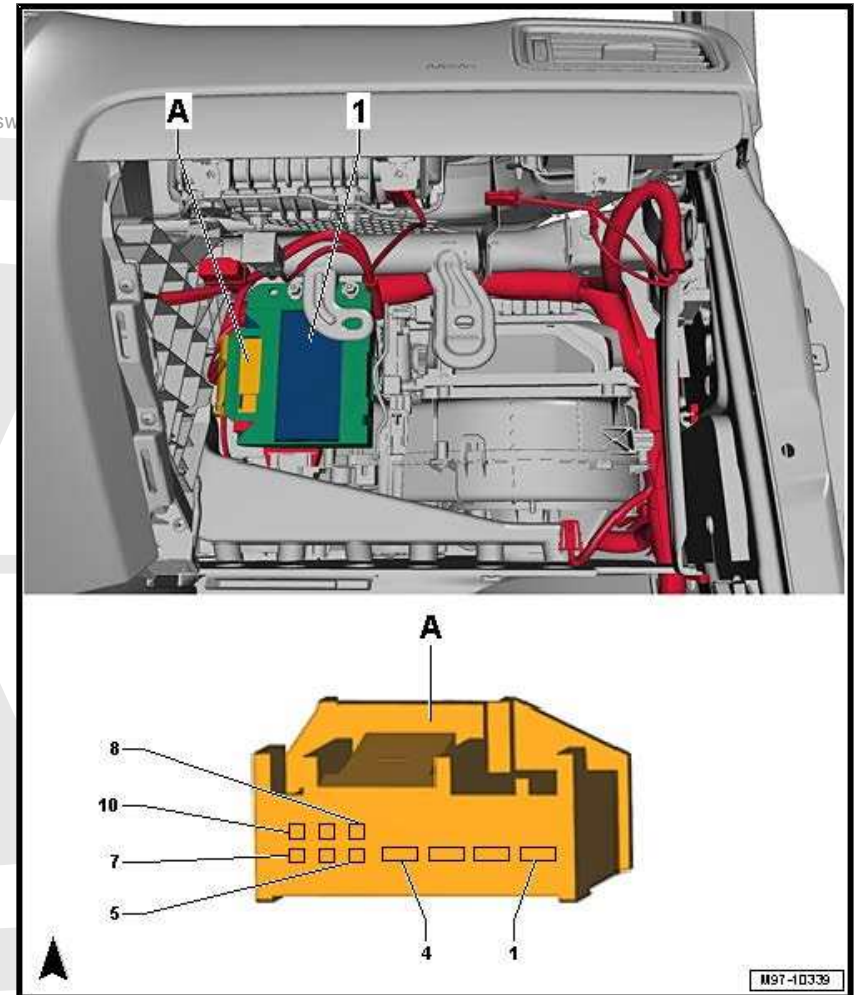
Fitting location:

- behind glove compartment

Connector:

- A- 10-pin connector -T10w- on wiring harness

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1.13.1 Voltage stabiliser -J532- , 12-pin connector

12-pin connector , gradual introduction

1 - Voltage stabiliser -J532-

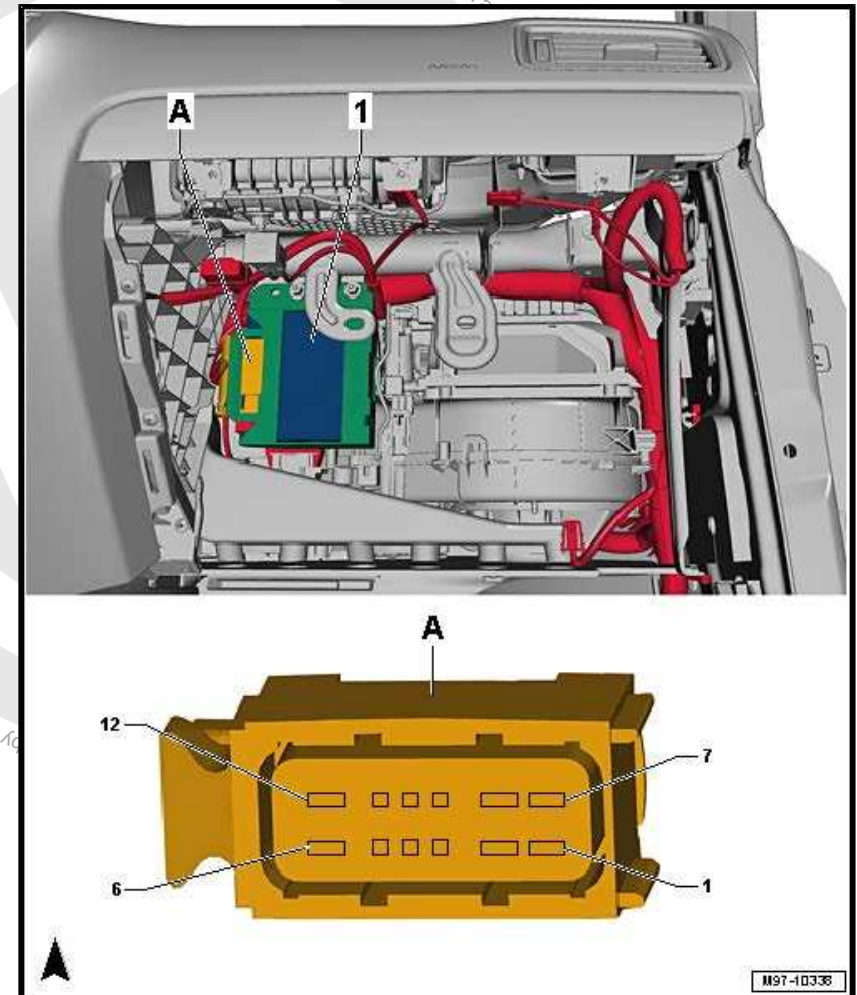
Fitting location:

- behind glove compartment

Connector:

- A- 12-pin connector -T12d- on wiring harness

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1.14 Climatronic control unit -J255-

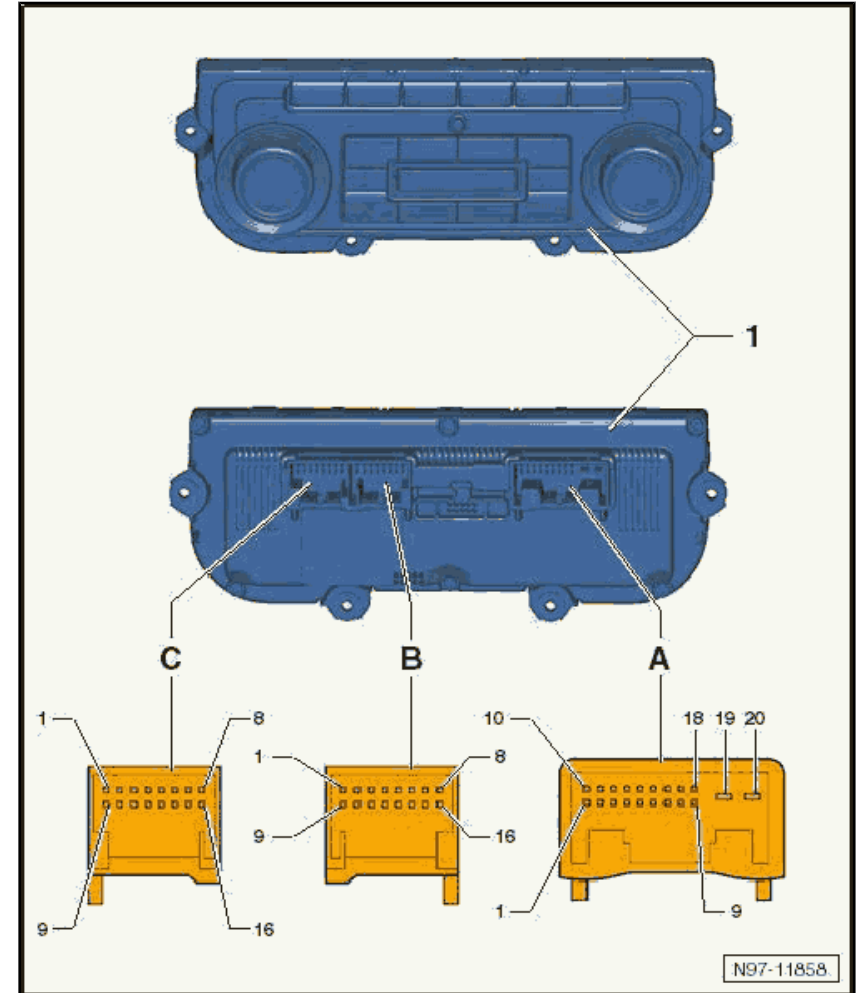
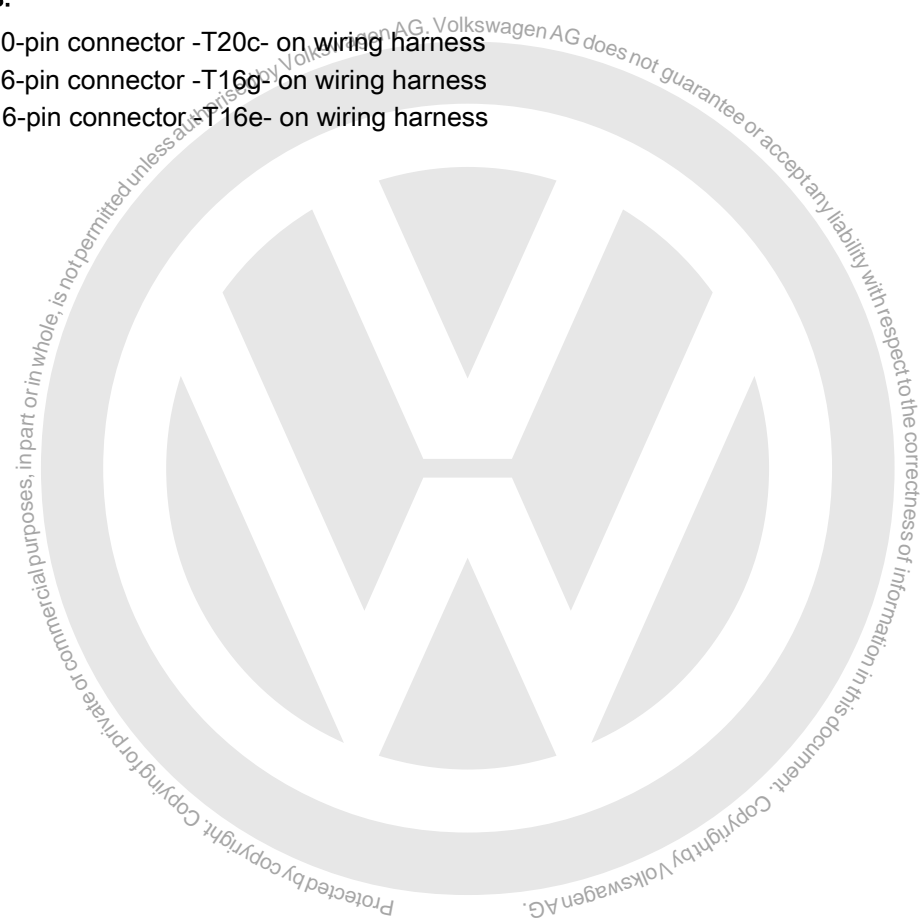
1 - Climatronic control unit -J255-

Fitting location:

- In centre console

Connectors:

- A- 20-pin connector -T20c- on wiring harness
- B- 16-pin connector -T16g- on wiring harness
- C- 16-pin connector -T16e- on wiring harness



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1.15 Air conditioning system control unit -J301-

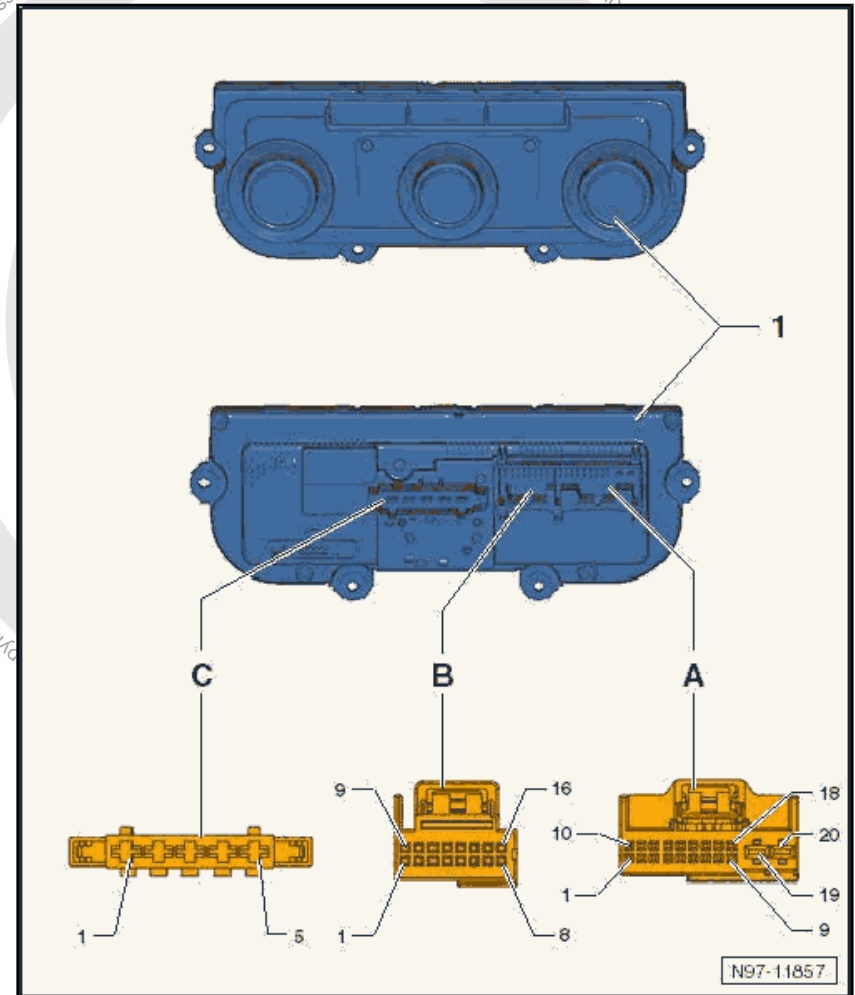
1 - Air conditioning system control unit -J301-

Fitting location:

- In centre console

Connectors:

- A- 20-pin connector -T20c- on wiring harness
- B- 16-pin connector -T16e- on wiring harness
- C- 5-pin connector -T5- on wiring harness



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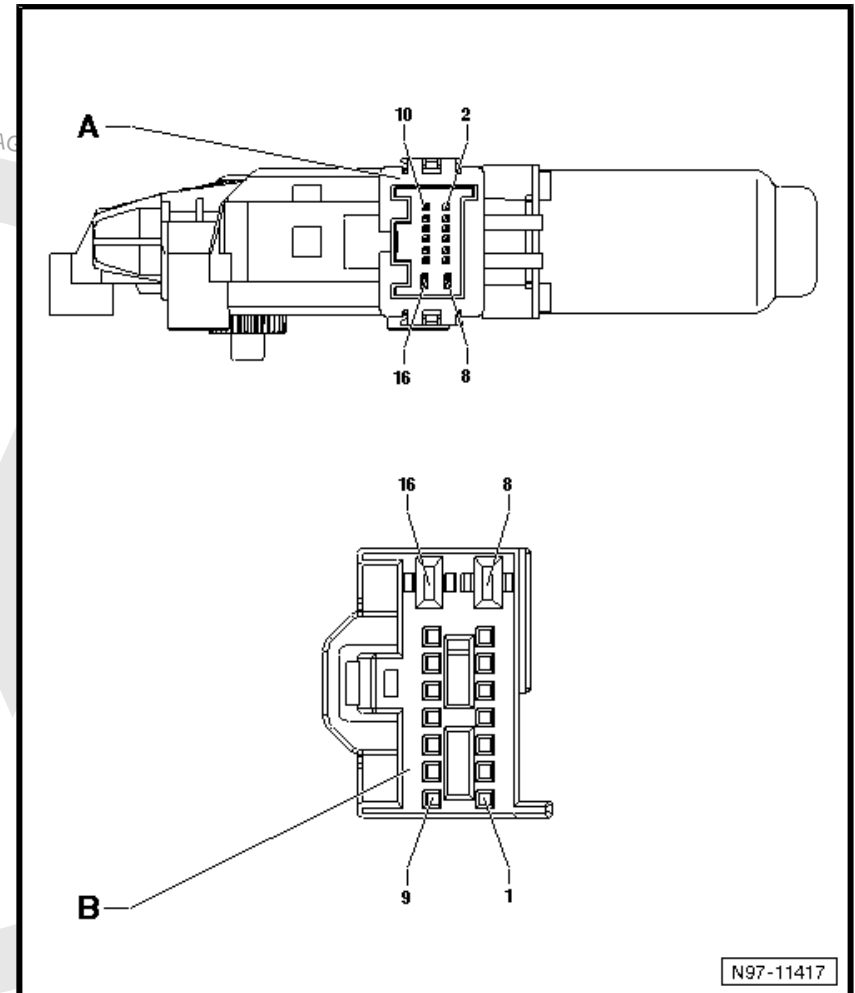
1.16 Front passenger door control unit -J387-

Only models with Pr. number AW0

A - Front passenger door control unit -J387-

Connector:

B - 16-pin connector -T16b- on wiring harness



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1.17 Front passenger door control unit -J387-

Only models with Pr. number AW1

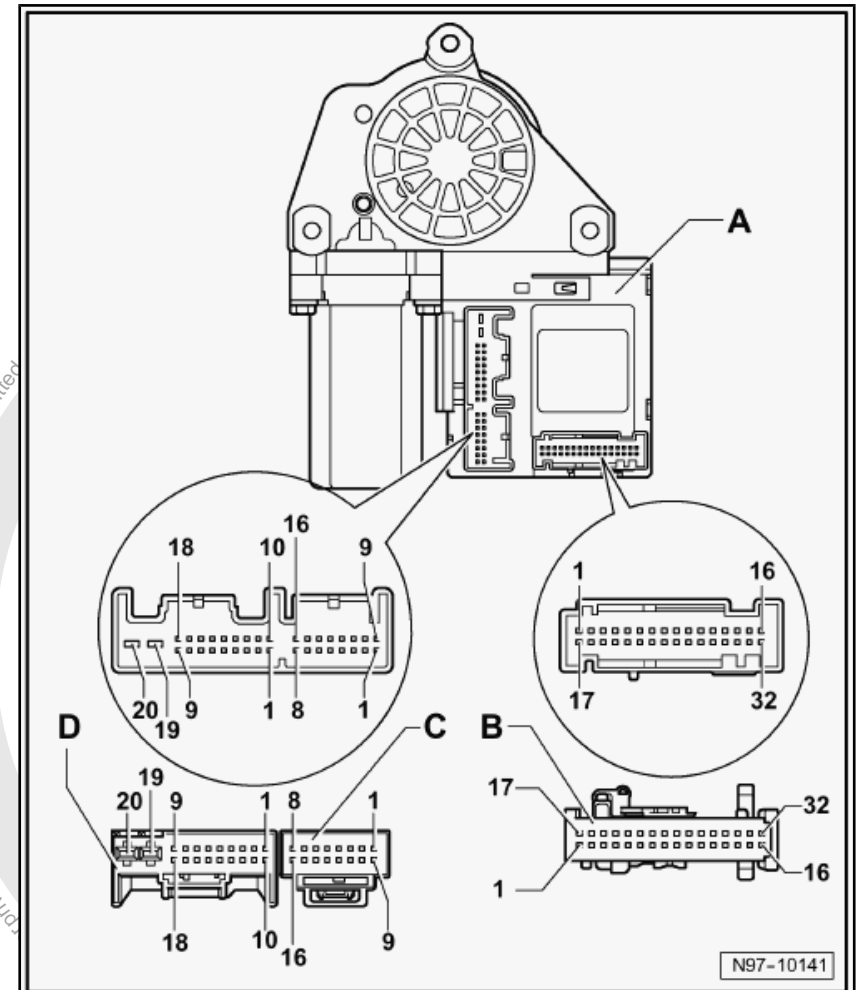
A - Front passenger door control unit -J387-

Connectors:

B - 32-pin connector -T32b- on wiring harness

C - 16-pin connector -T16b- on wiring harness

D - 20-pin connector -T20b- on wiring harness



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1.18 Telephone transmitter and receiver unit -R36-

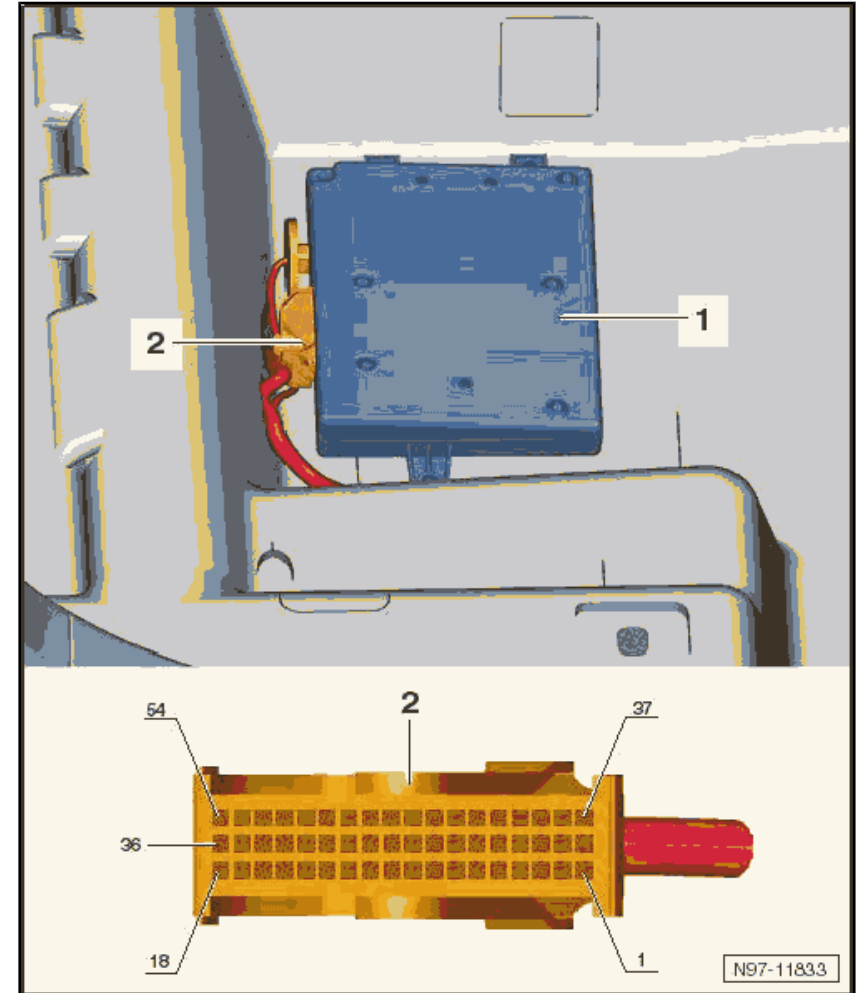
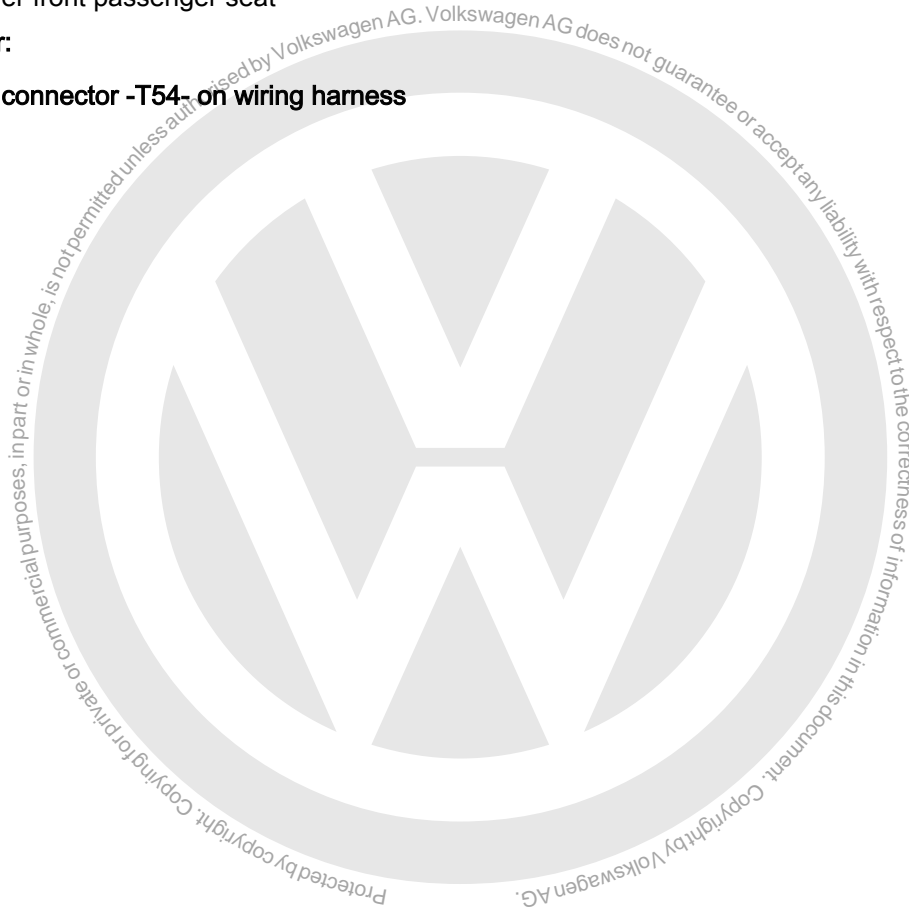
1 - Telephone transmitter and receiver unit -R36-

Fitting location:

- under front passenger seat

Connector:

2 - 54-pin connector -T54- on wiring harness



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1.19 Rear right door control unit -J389-

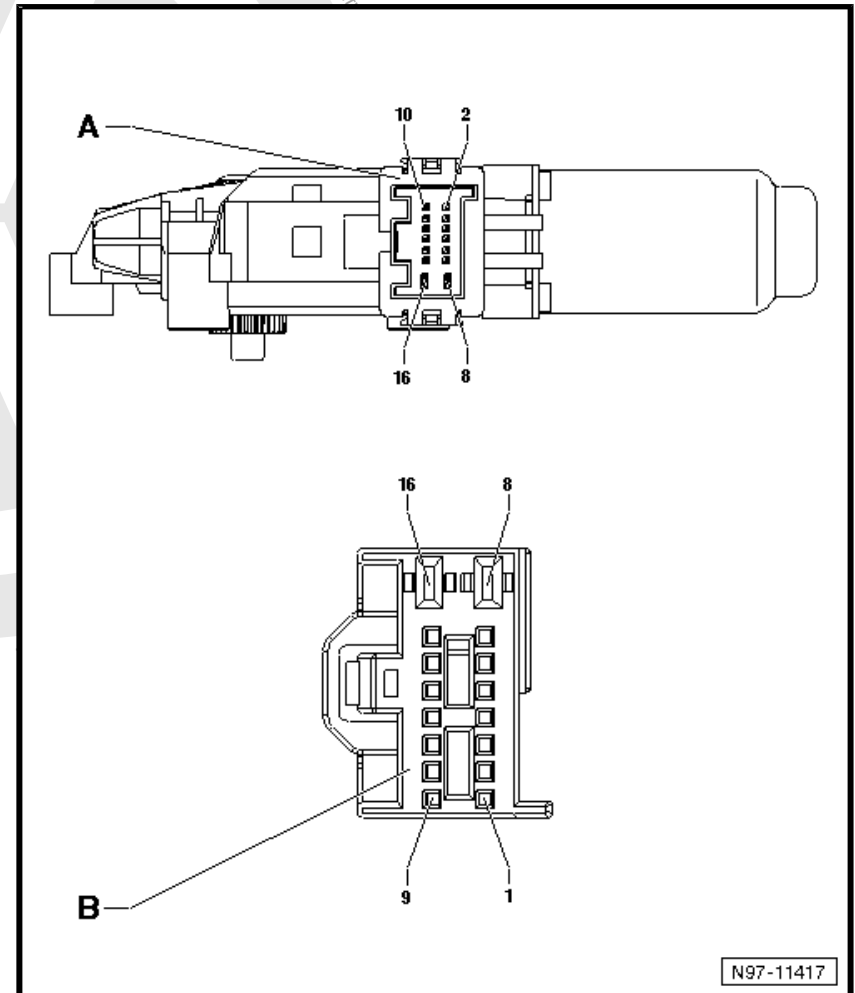
Only models with Pr. number AW0

A - Rear right door control unit -J389-

Connector:

B - 16-pin connector -T16i- on wiring harness

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1.20 Rear right door control unit -J389-

Only models with Pr. number AW1

A - Rear right door control unit -J389-

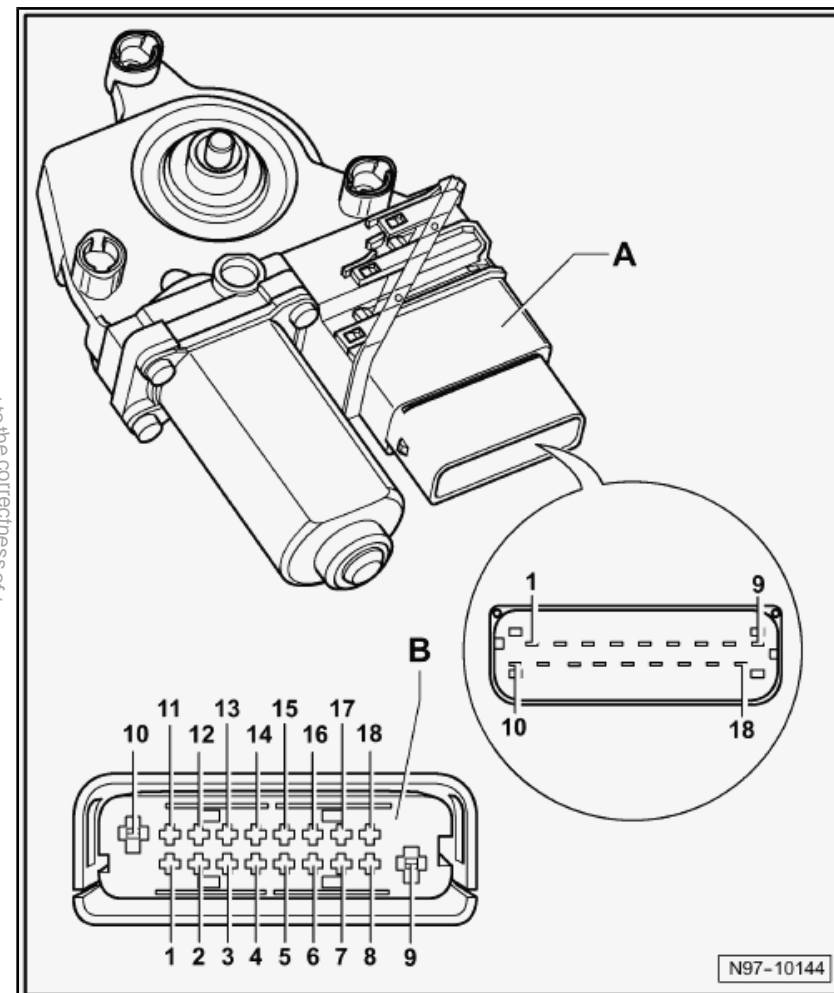
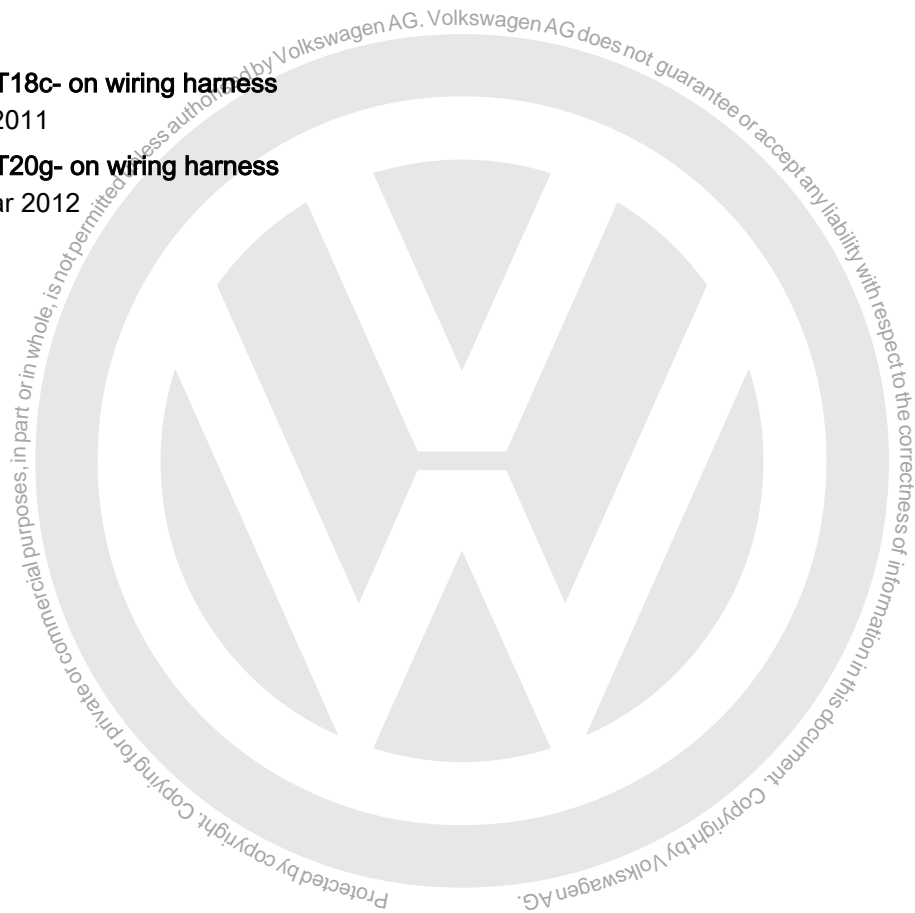
Connector:

B - 18-pin connector -T18c- on wiring harness

- To model year 2011

B - 20-pin connector -T20g- on wiring harness

- From model year 2012

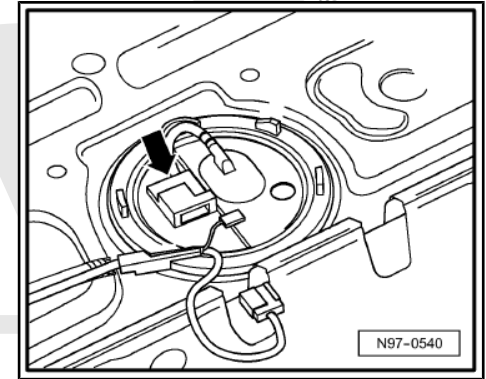


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1.21 Fuel pump control unit -J538-

- Fitting location: under rear right seat, on fuel delivery unit
-arrow-

1.21.1 Connector assignment:

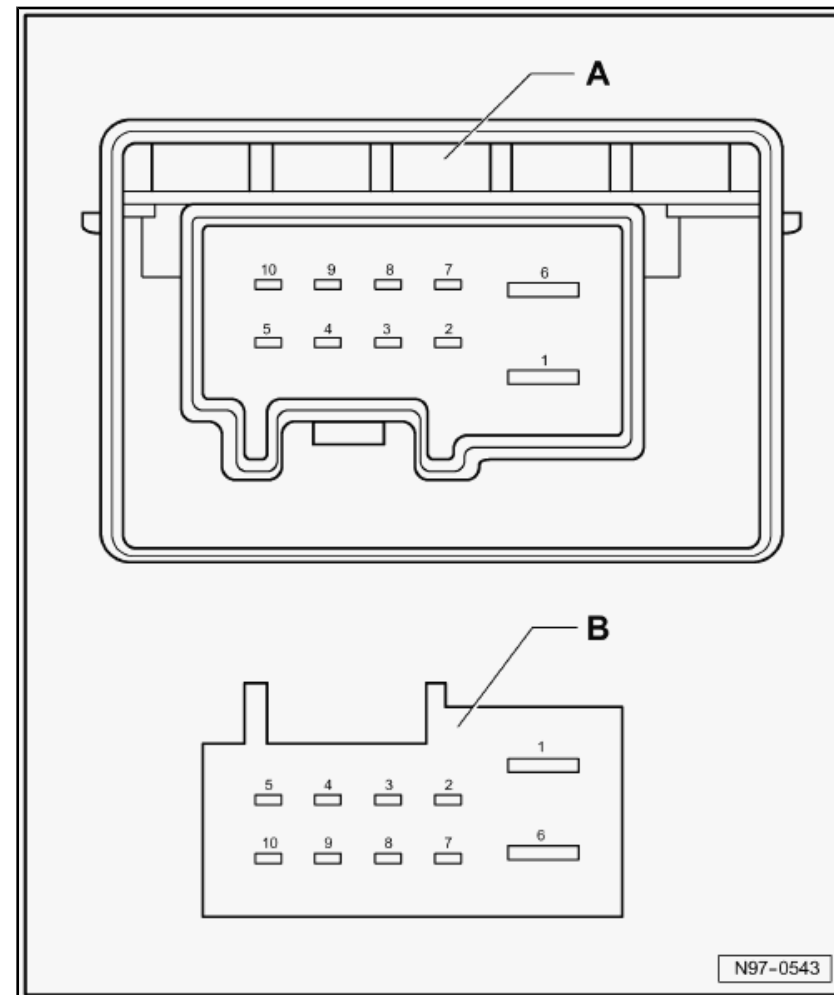


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A - Fuel pump control unit -J538-

Connector:

B - 10-pin connector -T10n- on wiring harness



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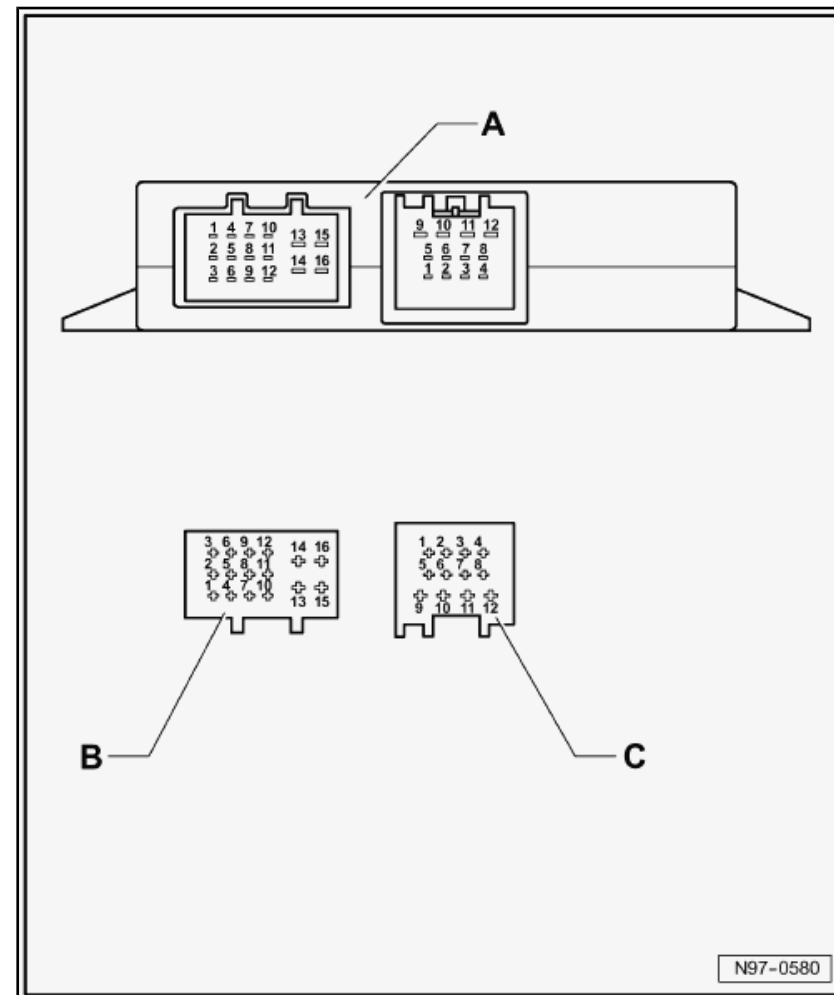
1.22 Trailer detector control unit -J345-

A - Trailer detector control unit -J345-

Connectors:

B - 16-pin connector -T16f- on wiring harness

C - 12-pin connector -T12a- on wiring harness



N97-0580



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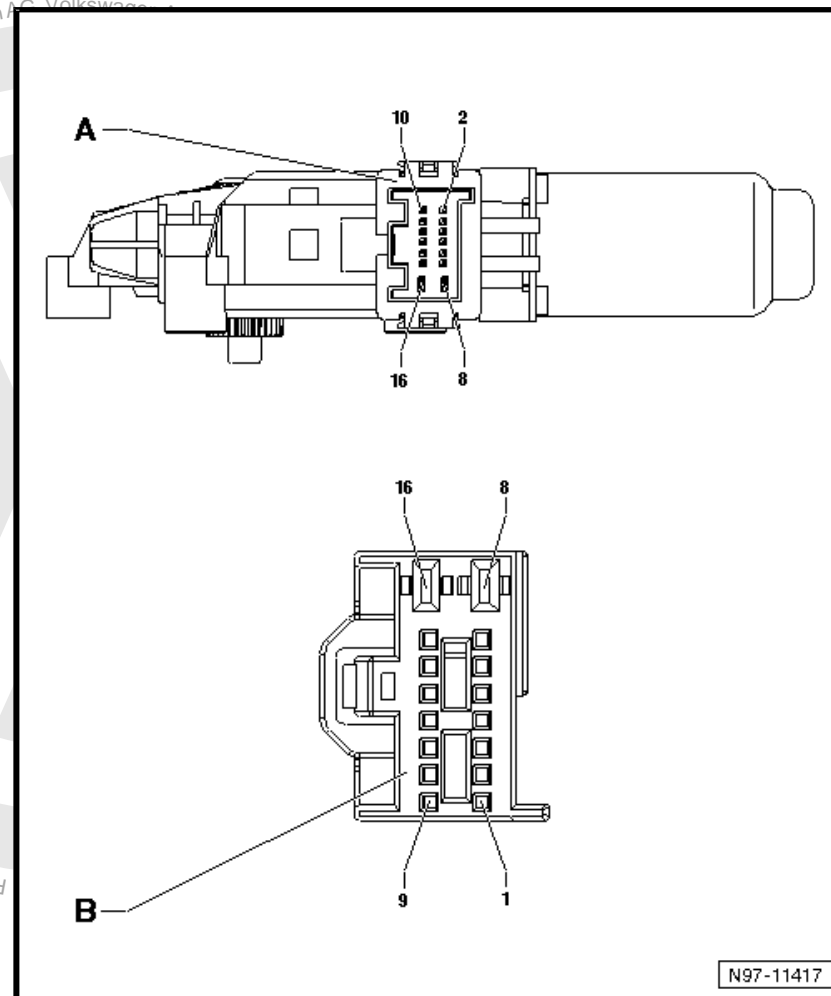
1.23 Rear left door control unit -J388-

Only models with Pr. number AW0

A - Rear left door control unit -J388-

Connector:

B - 16-pin connector -T16h- on wiring harness



N97-11417

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1.24 Rear left door control unit -J388-

Only models with Pr. number AW1

A - Rear left door control unit -J388-

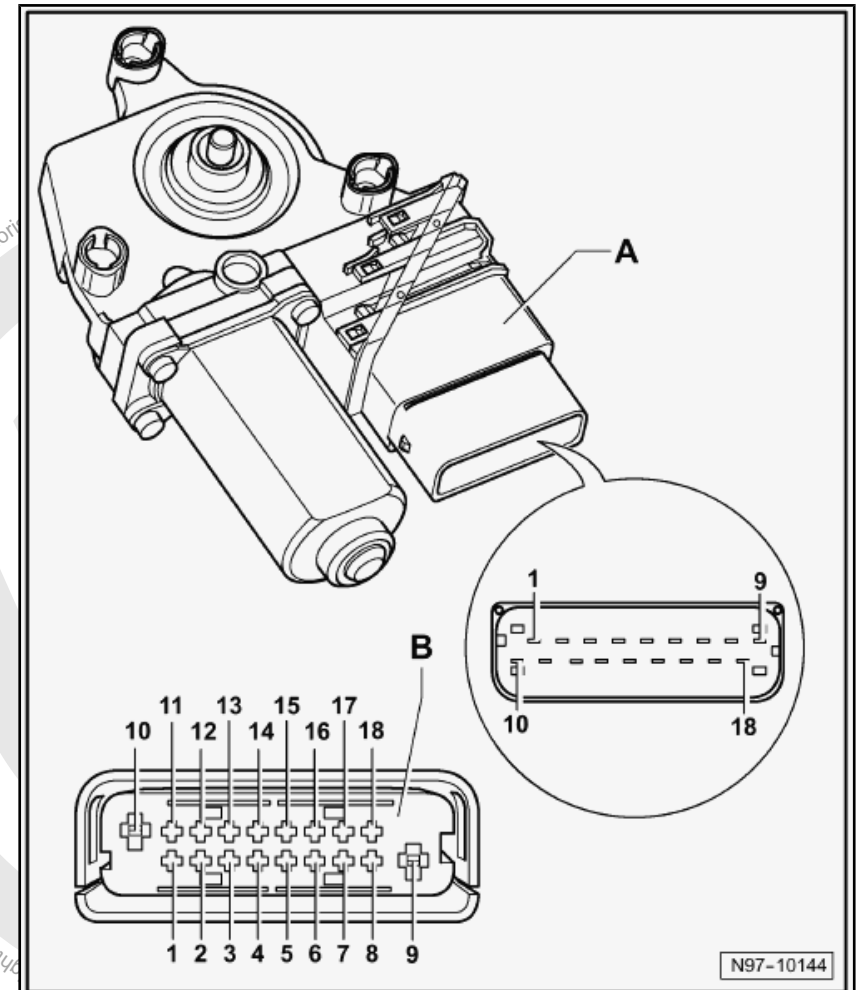
Connector:

B - 18-pin connector -T18b- on wiring harness

To model year 2011

B - 20-pin connector -T20f- on wiring harness

From model year 2012



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1.25 Amplifier -R12-

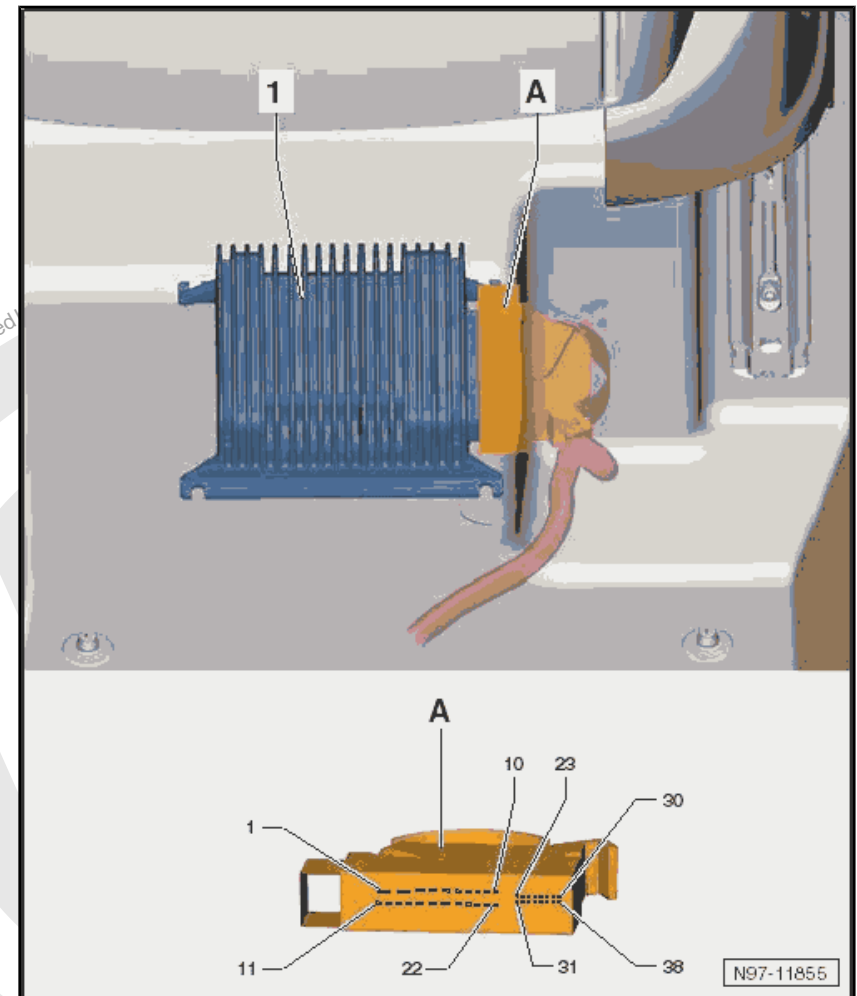
1 - Amplifier -R12-

Fitting location:

- under driver seat

Connector:

- A- 38-pin connector -T38- on wiring harness



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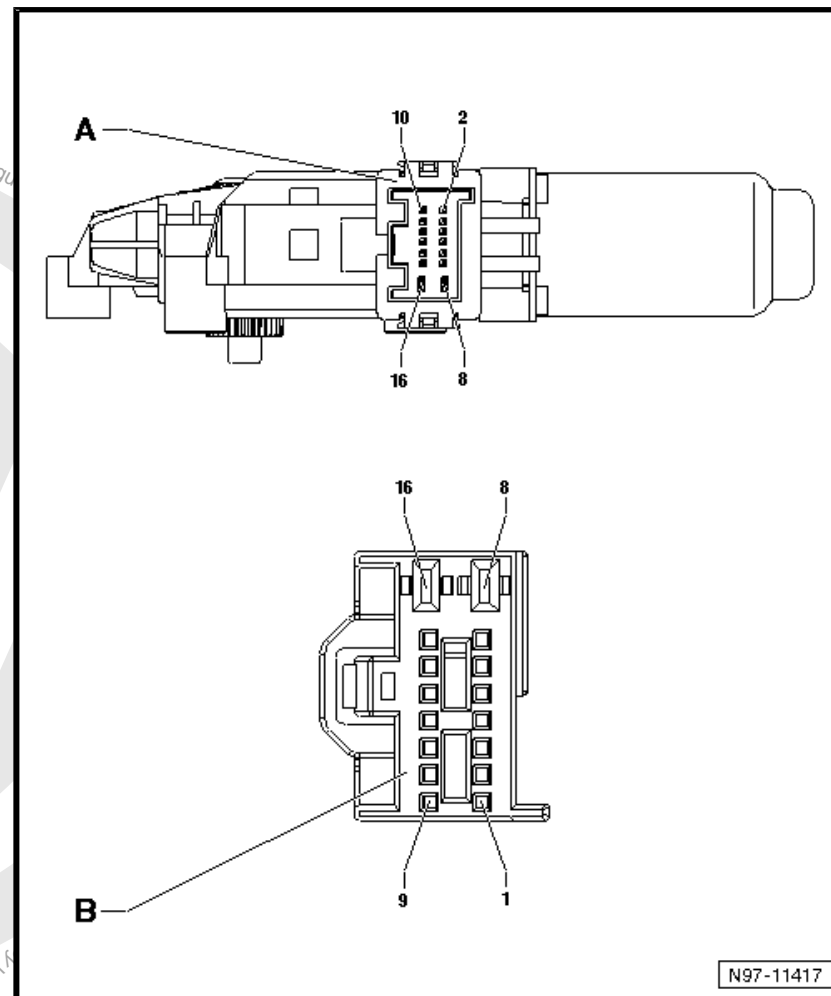
1.26 Driver door control unit -J386-

Only models with Pr. number AW0

A - Driver door control unit -J386-

Connector:

B - 16-pin connector -T16a- on wiring harness



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1.27 Driver door control unit -J386-

Only models with Pr. number AW1

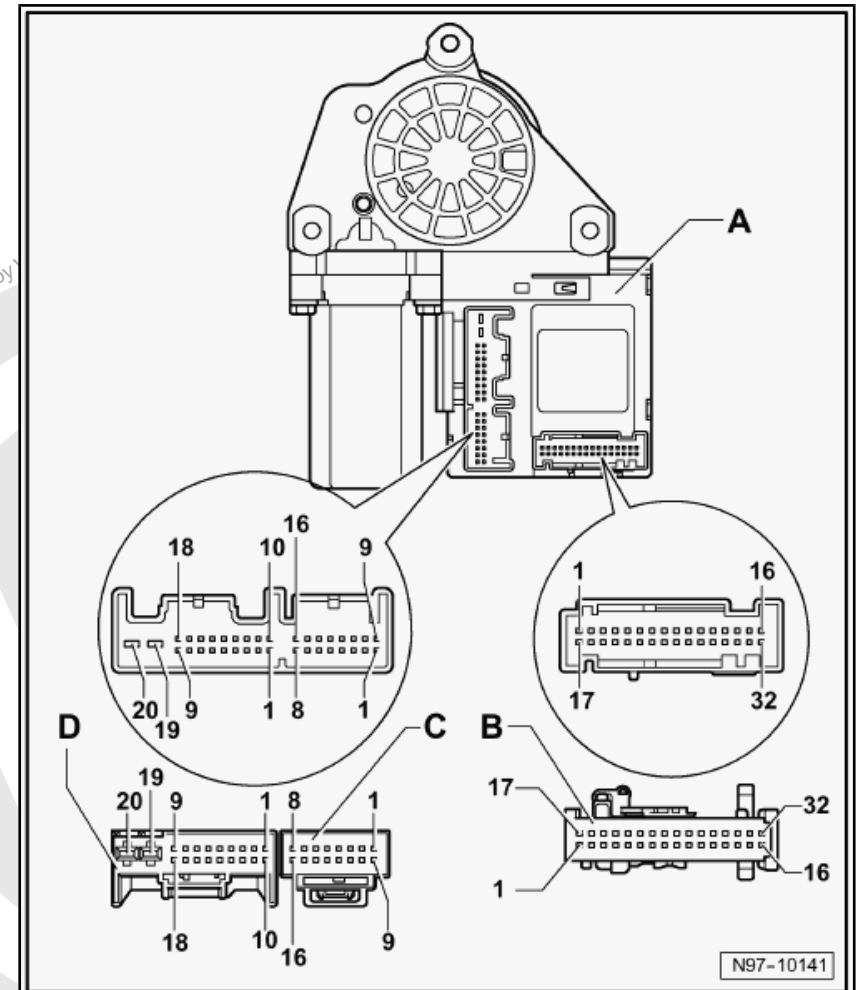
A - Driver door control unit -J386-

Connector:

B - 32-pin connector -T32a- on wiring harness

C - 16-pin connector -T16a- on wiring harness

D - 20-pin connector -T20a- on wiring harness



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1.28 Heated front seats control unit -J774-

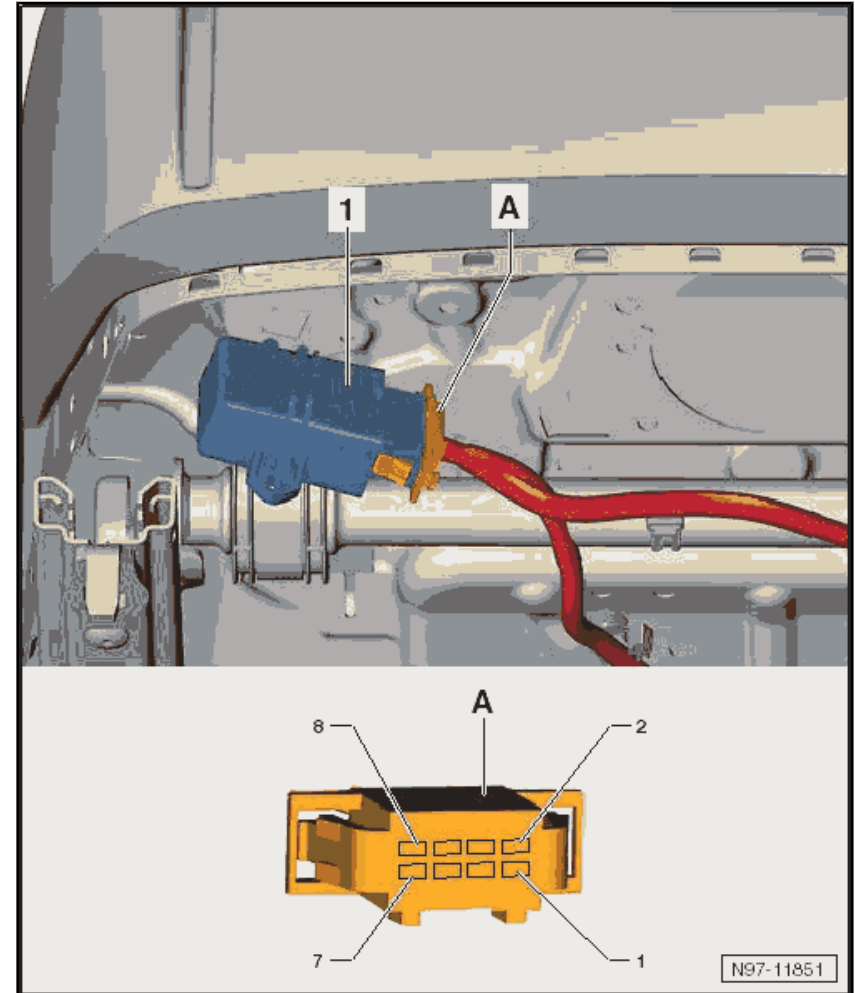
1 - Heated front seats control unit -J774-

Fitting location:

- on base of driver seat

Connector:

- A- 8-pin connector -T8z- on wiring harness



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1.29 Steering column electronics control unit -J527-

Only models with Pr. number AW1

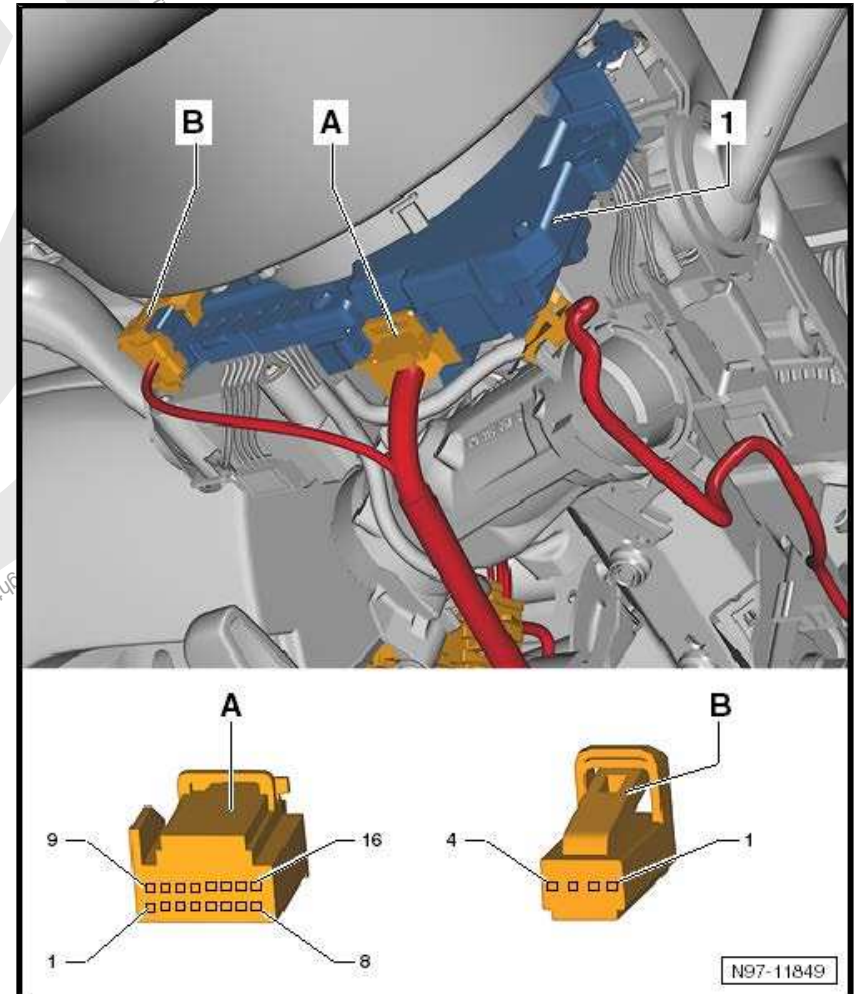
1 - Steering column electronics control unit -J527-

Fitting location:

- Near steering column switch

Connectors:

- A- 16-pin connector -T16I- on wiring harness
- B- 4-pin connector -T4k- on wiring harness



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1.30 Electronic steering column lock control unit -J764-

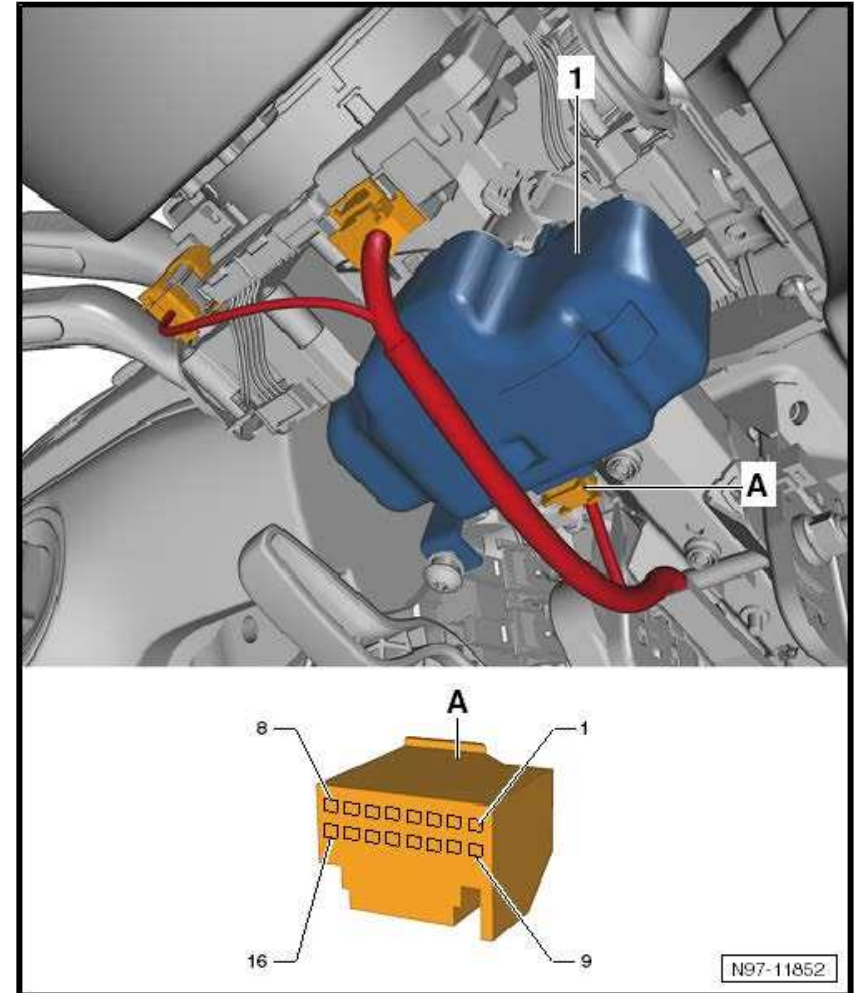
1 - Electronic steering column lock control unit -J764-

Fitting location:

- Behind steering column trim

Connector:

- A- 16-pin connector -T16m- on wiring harness



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1.31 Onboard supply control unit -J519-

Only models with Pr. number AW0

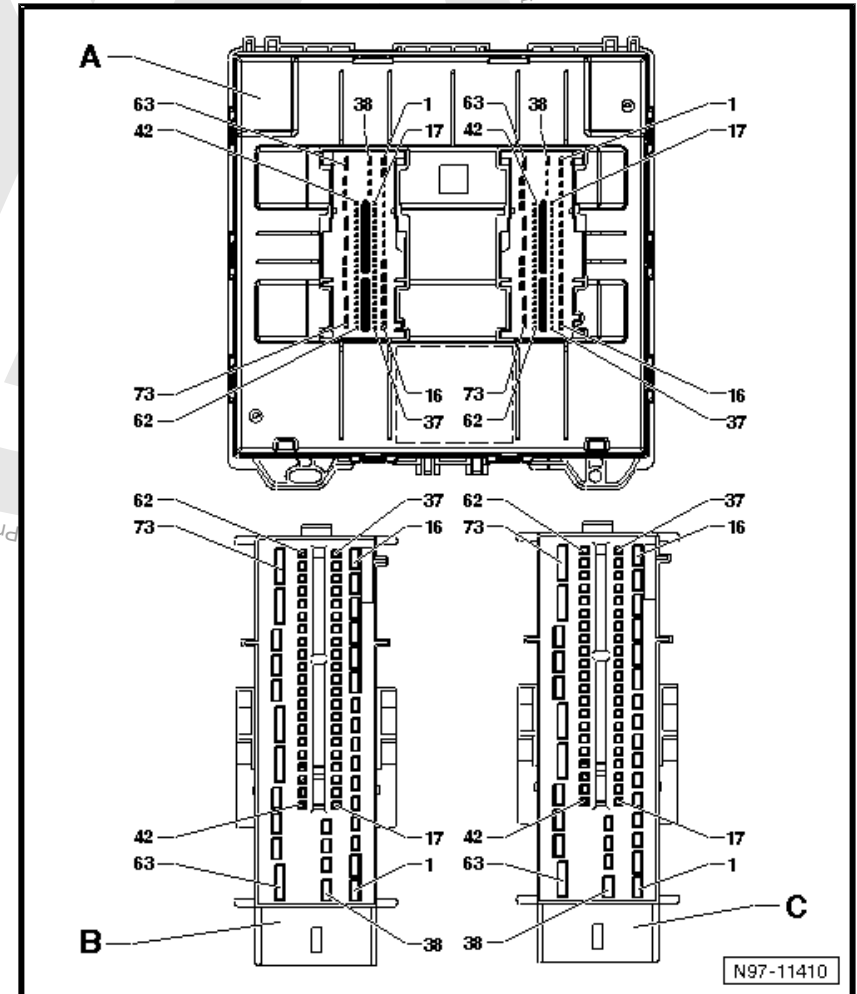
1.31.1 Connector assignment:

1.31.2 73-pin connector -T73a- black -B-

A - Onboard supply control unit -J519- , Low

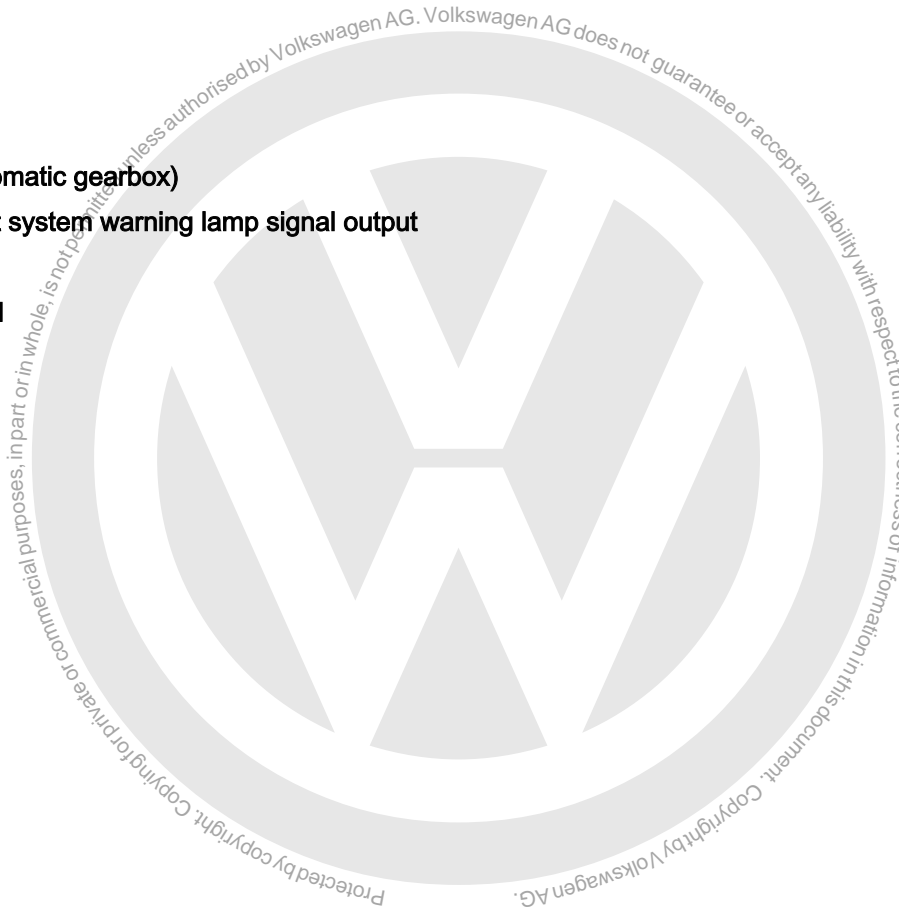
B - 73-pin connector -T73a- black

- 1 - Vacant
- 2 - Left dipped beam output signal
- 3 - Vacant
- 4 - Interior lighting out put signal, door contact switch
- 5 - Vacant
- 6 - Rear fog lamp output signal
- 7 - Fog light switch input signal
- 8 - Vacant
- 9 - Vacant
- 10 - Rear lid release motor output signal
- 11 - Central locking motor "lock" output signal for all doors
- 12 - Central locking motor output signal for driver's door
- 13 - Central locking motor "Safe" output signal for all doors
- 14 - Central locking earth input signal (31)
- 15 - Central locking motor output signal for front passenger door and rear doors
- 16 - Central locking supply input signal (30)
- 17 - Central locking lock unit input signal for rear left door
- 18 - Central locking lock unit input signal for rear right door
- 19 - Driver side door contact switch input signal
- 20 - Front passenger side door contact switch input signal
- 21 - Central locking lock unit input signal for front passenger door



- 22 - Central locking lock unit input signal for driver's door
- 23 - Rear lid handle release button input signal
- 24 - Central locking input signal, driver door
- 25 - Interior locking button input signal
- 26 - Door contact switch input signal for rear right door
- 27 - Bonnet contact switch -F266- Bonnet contact switch input signal
- 28 - Hazard warning lights button -E229- Hazard warning light button input signal
- 29 - Horn plate input signal
- 30 - Rear lid lock position 2 input signal
- 31 - Rear lid lock position 1 input signal
- 32 - Right turn signal switch input signal
- 33 - Left turn signal switch input signal
- 34 - Door contact switch input signal for rear left door
- 35 - Vacant
- 36 - Switch-off signal for heated seat
- 37 - Vacant
- 38 - Heated exterior mirror on driver side -Z4- , Heated exterior mirror on front passenger side -Z5- Heated exterior mirror output signal
- 39 - Earth input signal (31)
- 40 - Rear right side light bulb output signal
- 41 - Rear left side light bulb output signal
- 42 - Supply input signal (86s) for ignition/starter switch
- 43 - Brake pedal position sender input signal
- 44 - Supply input signal (15) for ignition/starter switch
- 45 - Side light switch input signal
- 46 - Vacant
- 47 - Vacant
- 48 - Vacant
- 49 - Headlight washer system relay output signal
- 50 - Vacant

- 51 - Vacant
- 52 - Fuel supply relay output signal
- 53 - Alarm horn relay -J641-
- 54 - Supply input signal (75a) for ignition/starter switch
- 55 - Starter inhibitor relay output signal (only models with automatic gearbox)
- 56 - Hazard warning lights button -E229- Hazard warning light system warning lamp signal output
- 57 - Interior monitoring "off" warning lamp output signal
- 58 - Central locking SAFE function warning lamp output signal
- 59 - Interior locking warning lamp output signal
- 60 - Heated rear window warning lamp output signal
- 61 - Vacant
- 62 - Main beam output signal
- 63 - Vacant
- 64 - Supply input signal (30), heated exterior mirrors
- 65 - Supply input signal (30), interior lights
- 66 - Supply input signal (30), interior lights
- 67 - Vacant
- 68 - Supply input signal (30), window wiper
- 69 - Window wiper position 1 output signal
- 70 - Window wiper earth input signal
- 71 - Window wiper position 2 output signal
- 72 - Horn output signal
- 73 - Horn supply input signal (30)
- C - 73-pin connector -T73b- white



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1.31.3 Connector assignment:

1.31.4 73-pin connector -T73b- black -C-

A - Onboard supply control unit -J519- , Low

B - 73-pin connector -T73a- black

C - 73-pin connector -T73b- white

1 - Vacant

2 - Right dip beam output signal

3 - Vacant

4 - Vacant

5 - Vacant

6 - Vacant

7 - Vacant

8 - Vacant

9 - Left fog light bulb output signal

10 - Right fog light bulb output signal

11 - Fog light bulb supply input signal (30)

12 - Reversing light output signal (only models with automatic gearbox)

13 - Turn signal and brake light supply input signal (30)

14 - Left turn signal output signal

15 - Right turn signal output signal

16 - Brake lights output signal

17 - LIN bus, door control unit and switches in steering wheel

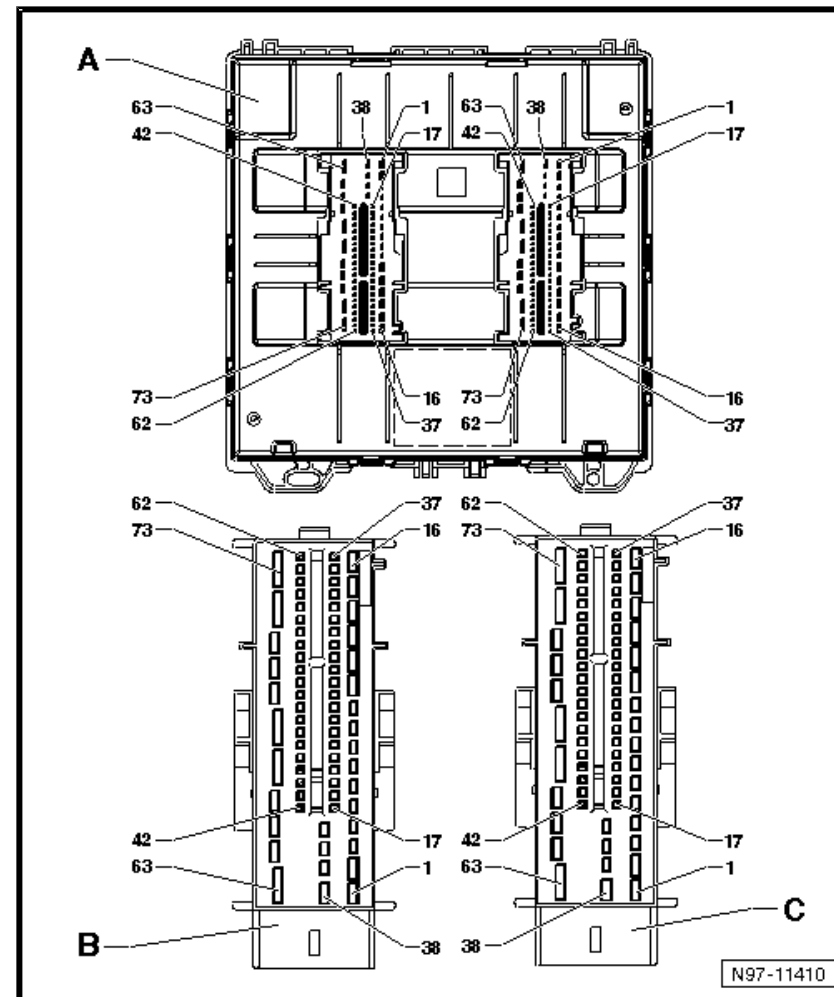
18 - Powertrain CAN, low

19 - Powertrain CAN, high

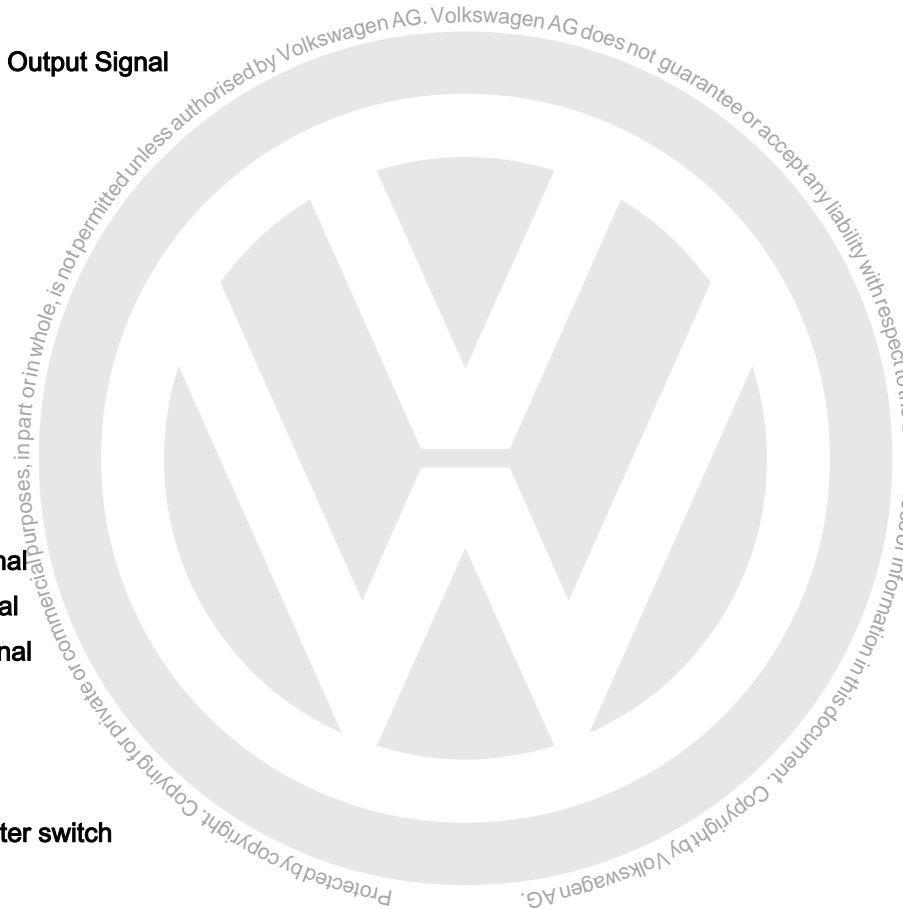
20 - Convenience CAN, high

21 - Convenience CAN, low

22 - Diagnosis CAN, low



- 23 - Diagnosis CAN, high
- 24 - LIN bus, sliding sunroof adjustment control unit, rain and light detector sensor, interior monitoring sensor
- 25 - Vacant
- 26 - Vacant
- 27 - Window wiper position 1 input signal
- 28 - Central locking input signal, front passenger door
- 29 - Vacant
- 30 - Interior monitoring deactivation switch input signal
- 31 - Heated rear window button input signal
- 32 - Wiper limit switch input signal
- 33 - Vacant
- 34 - Switch and Instrument Illumination (58d) Output Signal
- 35 - Vacant
- 36 - LIN bus, alarm horn
- 37 - Signal (K), diagnosis
- 38 - Earth input signal (31) for electronics
- 39 - Supply input signal (30) for electronics
- 40 - Vacant
- 41 - Vacant
- 42 - Brake contact switch input signal
- 43 - Vacant
- 44 - Cruise control system "Set" input signal
- 45 - Cruise control system "On/Off" input signal
- 46 - Cruise control system "Reset" input signal
- 47 - Cruise control system "Cancel" input signal
- 48 - Reversing light switch input signal
- 49 - Signal (L) alternator
- 50 - Starter relay input signal
- 51 - Supply input signal (75a) for ignition/starter switch



- 52 - Window washer pump supply input signal
- 53 - Window wiper position 2 input signal
- 54 - Vacant
- 55 - Starter inhibitor signal (only models with automatic gearbox)
- 56 - Vacant
- 57 - Vacant
- 58 - Heated exterior mirror switch input signal
- 59 - Input signal for reference voltage (30)
- 60 - Input signal for earth - reference voltage (31)
- 61 - Washer pump motor and rear window wiper motor output signal
- 62 - Windscreen wiper intermittent operation input signal
- 63 - Heated rear window output signal
- 64 - Vacant
- 65 - Vacant
- 66 - Vacant
- 67 - Heated rear window supply input signal (30)
- 68 - Supply input signal (30), right headlight
- 69 - Vacant
- 70 - Vacant
- 71 - Vacant
- 72 - Vacant
- 73 - Vacant

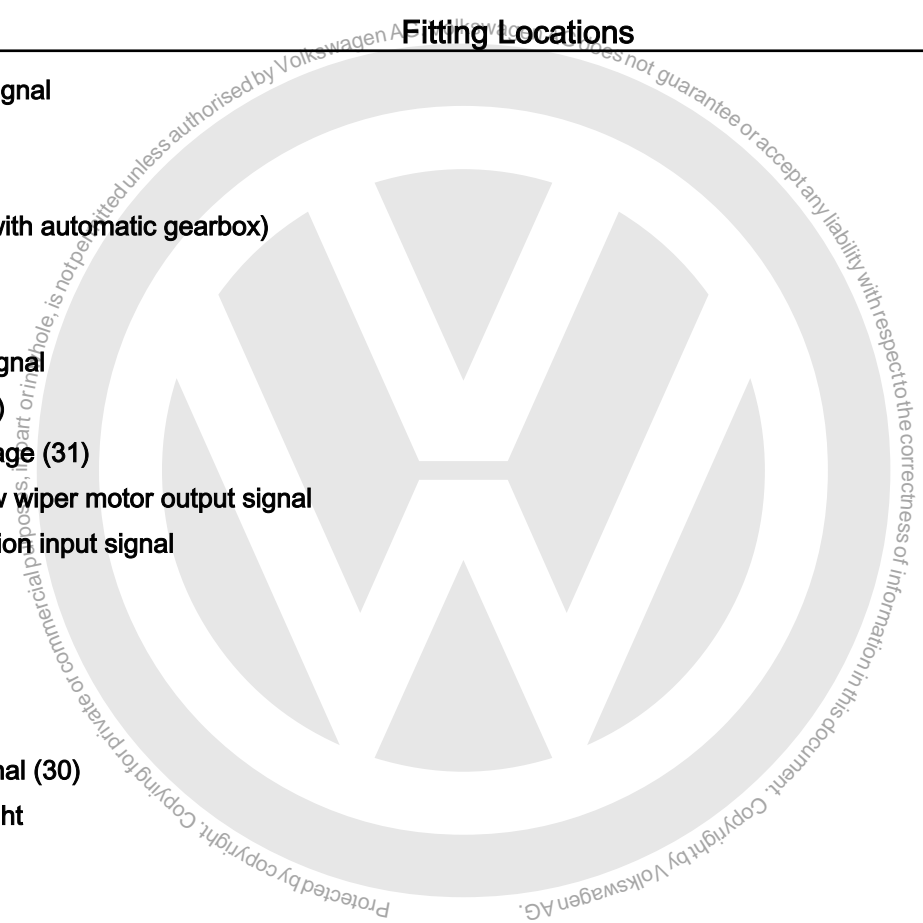
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1.32 Onboard supply control unit -J519-

Only models with Pr. number AW1

1.32.1 Fitting location:

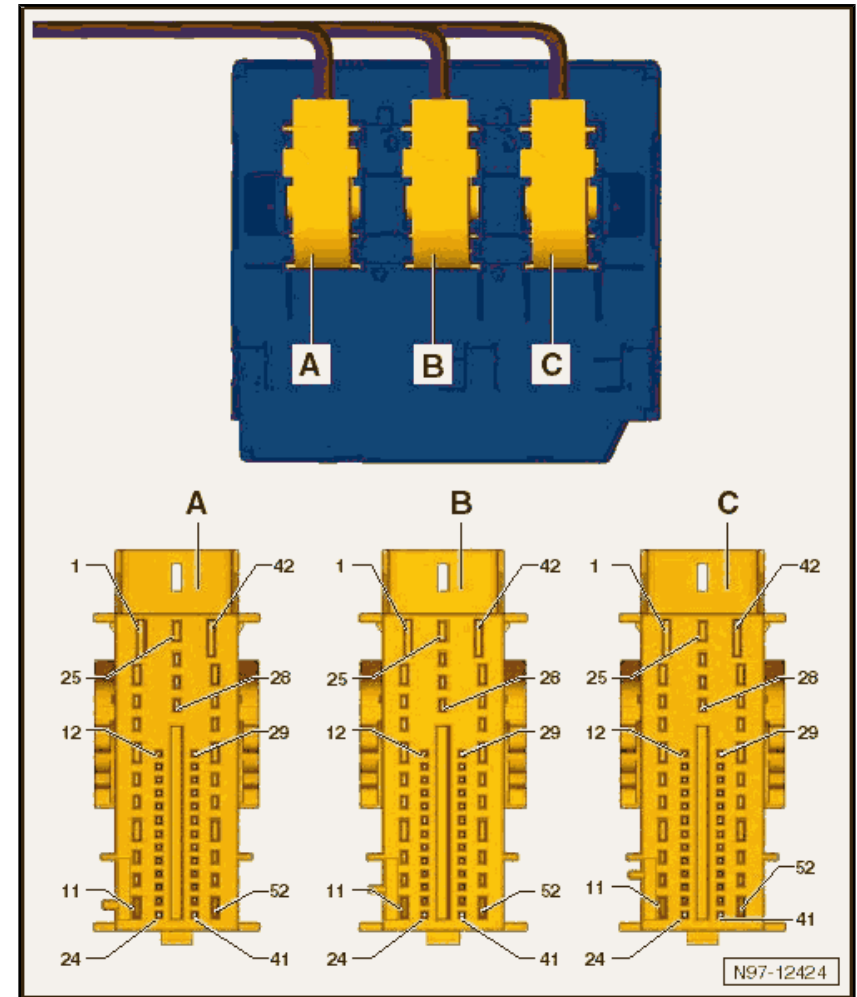
under dash panel on driver side, under relay carrier



1.32.2 Connector assignment:

1.32.3 52-pin connector -T52 A- black -A-

- 1 - Fuse 26 on fuse holder B -SB26-
- 2 - Vacant
- 3 - Vacant
- 4 - Right washer jet heater element -Z21-
- 5 - Left headlight main beam bulb -M30-
- 6 - Vacant
- 7 - Left daytime running light bulb -L174-
- 8 - Right daytime running light bulb -L175-
- 9 - Rear right turn signal bulb -M8-
- 10 - Front left turn signal bulb -M5-
- 11 - Left headlight dipped beam bulb -M29-
- 12 - Vacant
- 13 - Rear lid handle release button -E234- Soft touch
- 14 - Bonnet contact switch -F266-
- 15 - Vacant
- 16 - Reversing light switch -F4-
- 17 - Rear fog light switch -E18-
- 18 - Light switch -E1- Zero position
- 19 - Light switch -E1- Side lights
- 20 - Light switch -E1- Driving light assist
- 21 - Fog light switch -E7-
- 22 - Light switch -E1- Headlight dipped beam
- 23 - Earth connection 2, in main wiring harness -367-
- 24 - Positive connection 24 (30a) in main wiring harness -B684- Terminal 30ref
- 25 - Left fog light bulb -L22-
- 26 - Right brake and tail light bulb -M22-



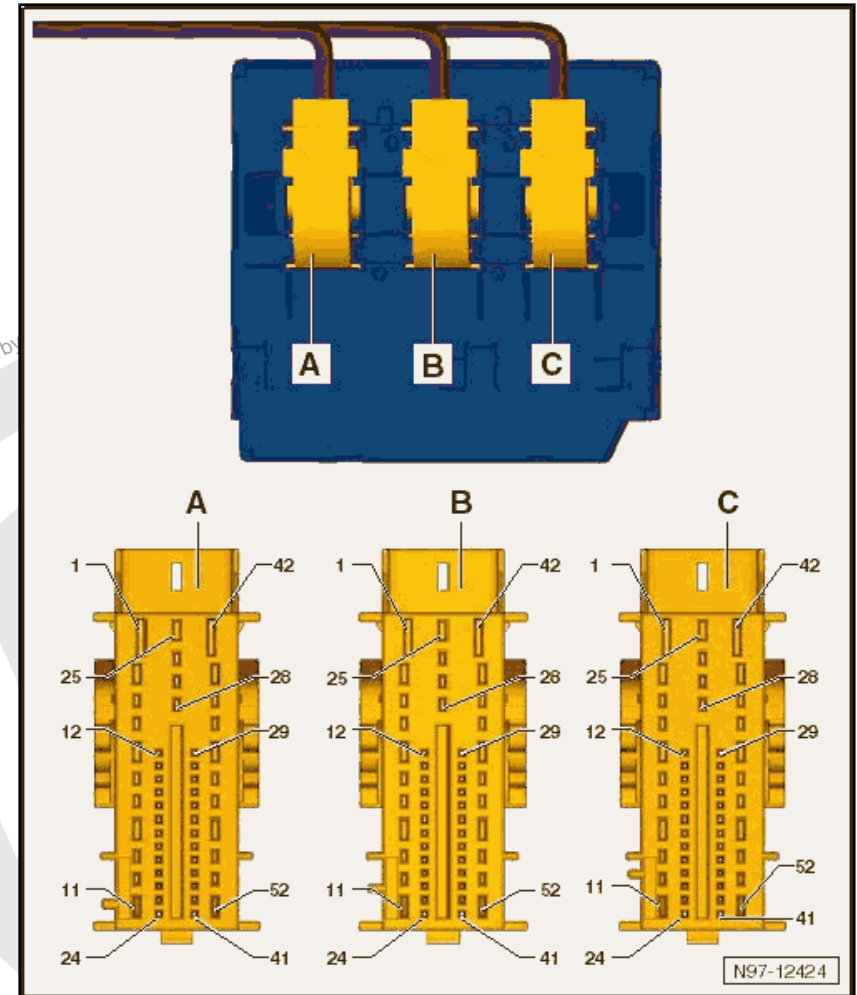
- 27 - Left tail light bulb -M4- Rear left side light
- 28 - Left reversing light bulb -M16-
- 29 - Rear lid lock unit -F256-
- 30 - Rear right door contact switch -F11-
- 31 - Vacant
- 32 - Vacant
- 33 - Vacant
- 34 - Vacant
- 35 - Heater/heat output switch -E16-
- 36 - Interior monitoring deactivation switch -E267-
- 37 - Rear left door central locking motor, lock -V214-
- 38 - Rear left door control unit -J388-
- 39 - Rear right door control unit -J389-
- 40 - Rear left door control unit -J388-
- 41 - Rear left door contact switch -F10-
- 42 - Earth connection 2, in main wiring harness -367-
- 43 - Washer pump -V5-
- 44 - Right side light bulb -M3-
- 45 - Additional brake light bulb -M25-
- 46 - Tank filler flap locking motor -V155-
- 47 - Vacant
- 48 - Rear left central locking lock unit -F222-
- 49 - Rear right door central locking motor, lock -V215-
- 50 - Vacant
- 51 - Button illumination bulb -L76- Connection 1 (58d), in main wiring harness -B340-
- 52 - Vacant

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1.32.4 Connector assignment:

1.32.5 52-pin connector -T52 B- white-B-

- 1 - Fuse 36 on fuse holder C -SC36- Central locking
- 2 - Washer pump -V5-
- 3 - Vacant
- 4 - Vacant
- 5 - Tank filler flap locking motor -V155-
- 6 - Vacant
- 7 - Rear left door central locking motor, lock -V214-
- 8 - Rear right central locking lock unit -F223-
- 9 - Vacant
- 10 - Vacant
- 11 - Rear lid release motor -V139-
- 12 - Terminal 15 voltage supply relay 2 -J681-
- 13 - Vacant
- 14 - Heater/heat output switch -E16- Heated rear window warning lamp -K10-
- 15 - Switch and instrument illumination regulator -E20-
- 16 - Sliding sunroof adjustment control unit -J245-
- 17 - Sliding sunroof adjustment control unit -J245- Convenience closing
- 18 - Wiper motor switch-over relay 1 -J368-
- 19 - Vacant
- 20 - Wiper motor -V-
- 21 - Heated front seats control unit -J774-
- 22 - Heated rear window relay -J9-
- 23 - Wiper motor switch-over relay 2 -J369-
- 24 - Hazard warning lights button -E229-
- 25 - Vacant



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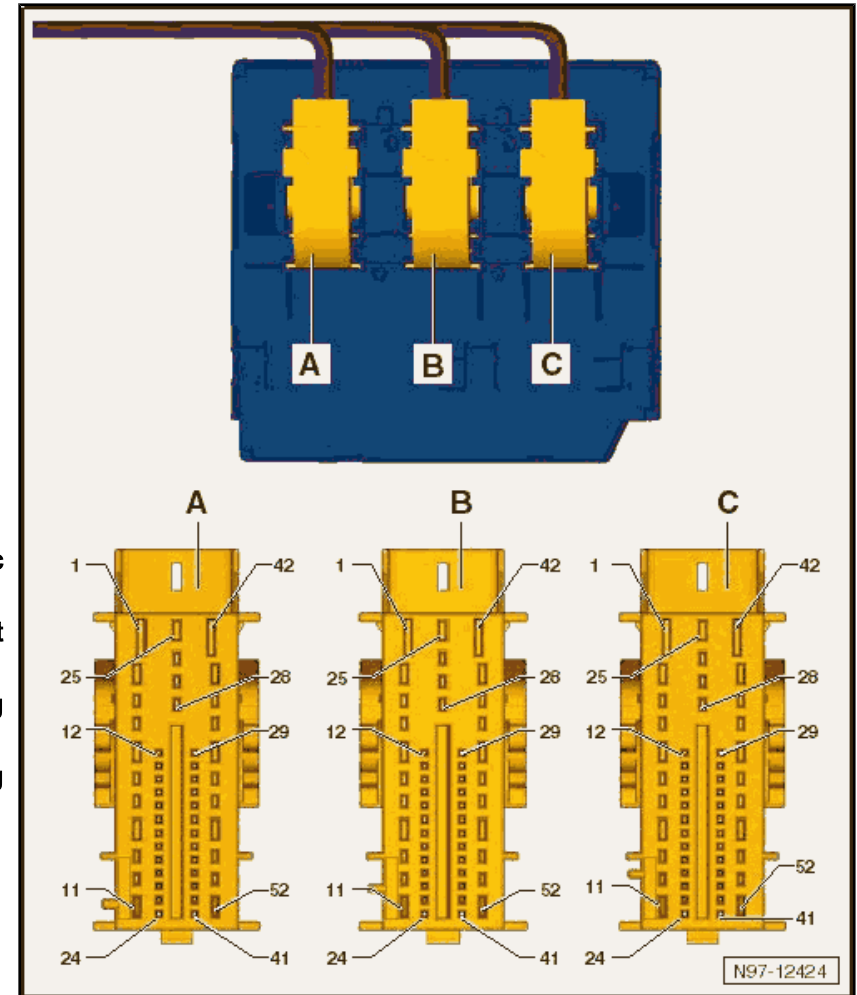
- 26 - Rear left door central locking SAFE function locking motor -V163-
- 27 - Rear right door central locking SAFE function locking motor -V164-
- 28 - X-contact relief relay -J59-
- 29 - Terminal 50 voltage supply relay -J682-
- 30 - Switch and instrument illumination regulator -E20-
- 31 - Vacant
- 32 - Vacant
- 33 - Rain and light sensor -G397- LIN bus
- 34 - Vacant
- 35 - Vacant
- 36 - Alarm horn -H12- Interior monitoring sensor -G273-
- 37 - Interior monitoring deactivation switch -E267-
- 38 - Fuel supply relay -J643-
- 39 - Vacant
- 40 - Headlight washer system relay -J39-
- 41 - Dual tone horn relay -J4-
- 42 - Fuse 48 on fuse holder C -SC48-
- 43 - Positive connection, in roof wiring harness -B250-
- 44 - Vacant
- 45 - Vacant
- 46 - Vacant
- 47 - Vacant
- 48 - Vacant
- 49 - Vacant
- 50 - Vacant
- 51 - Connection 1 (58d), in main wiring harness -B340-
- 52 - Earth connection 2, in main wiring harness -367-

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1.32.6 Connector assignment:

1.32.7 52-pin connector -T52-C- brown -C-

- 1 - Positive connection (30), in dash panel wiring harness -A32-
- 2 - Alarm system horn -H18-
- 3 - Connection (58R), in dash panel wiring harness -A85-
- 4 - Left brake light bulb -M9- , Left tail light -MX3-
- 5 - Earth connection 2, in main wiring harness -367-
- 6 - Vacant
- 7 - Hazard warning lights button -E229-
- 8 - Vacant
- 9 - Vacant
- 10 - Connection 1 (DcT), in interior wiring harness -B154- , Front interior light -W1-
- 11 - Vacant
- 12 - Vacant
- 13 - Steering column electronics control unit -J527- Ignition/starter switch -D- Terminal S, Electronic steering column lock control unit -J764-
- 14 - Positive connection (50), in main wiring harness -B276- Steering column electronics control unit -J527-
- 15 - Data bus diagnostic interface -J533- Connection 2 (convenience CAN bus, high), in main wiring harness -B407-
- 16 - Data bus diagnostic interface -J533- Connection 2 (convenience CAN bus, low), in main wiring harness -B407-
- 17 - Brake light switch -F-
- 18 - Vacant
- 19 - Vacant
- 20 - Vacant
- 21 - Vacant
- 22 - Vacant
- 23 - Vacant



- 24 - Entry and start authorisation control unit -J518-
- 25 - Connection (fog light), in main wiring harness -B554-
- 26 - Left side light bulb -M1-
- 27 - Positive connection (58), in number plate lights wiring harness -W41-
- 28 - Connection (RL), in dash panel wiring harness -A87-
- 29 - Vacant
- 30 - Mechatronic unit for dual clutch gearbox -J743- P-N / Earth connection 3, in main wiring harness -368- Start/stop
- 31 - Steering column electronics control unit -J527-
- 32 - Connection (61), in interior light wiring harness -B177- / heater control unit -J162-
- 33 - Vacant
- 34 - Vacant
- 35 - Switch and instrument illumination regulator -E20-
- 36 - Vacant
- 37 - Vacant
- 38 - Vacant
- 39 - Vacant
- 40 - Central locking and anti-theft alarm system aerial -R47- Aerial screening
- 41 - Central locking and anti-theft alarm system aerial -R47-
- 42 - Fuse 29 on fuse holder B -SB29-
- 43 - Vacant
- 44 - Vacant
- 45 - Vacant
- 46 - Right headlight main beam bulb -M32-
- 47 - Rear left fog light bulb -L46-
- 48 - Vacant
- 49 - Vacant
- 50 - Front right turn signal bulb -M7-
- 51 - Rear left turn signal bulb -M6-
- 52 - Right headlight dipped beam bulb -M31-



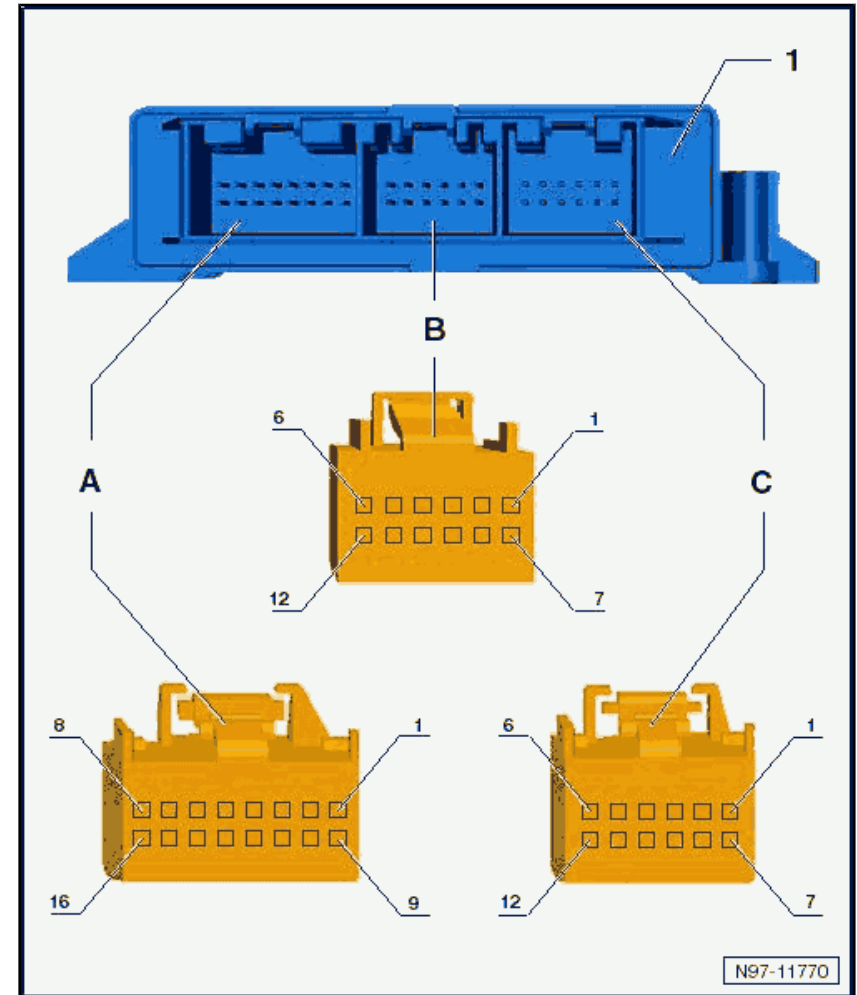
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1.33 Parking aid control unit -J446-

1 - Parking aid control unit -J446-

Connectors:

- A- 16-pin connector -T16c- on wiring harness
- B- 12-pin connector -T12l- on wiring harness
- C- 12-pin connector -T12m- on wiring harness



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1.34 Dash panel insert -K- / Control unit in dash panel insert -J285- / Immobiliser control unit -J362-

1 - Dash panel insert -K- / Control unit in dash panel insert -J285- / Immobiliser control unit -J362-

A - 32-pin connector -T32-

1 - Fuel gauge sender -G- (full)

2 - Fuel gauge sender -G- (empty)

3 - Vacant

4 - Vacant

5 - Vacant

6 - Vacant

7 - Immobiliser reader coil -D2-

8 - Immobiliser reader coil -D2-

9 - Vacant

10 - Vacant

11 - Oil level and oil temperature sender -G266-

12 - Vacant

13 - Connection (RFL), in dash panel wiring harness -A88-

14 - Positive connection 2 (56a), in interior wiring harness -B142-

15 - Connection 1 (brake pad wear indicator), in main wiring harness -B379-

16 - Earth connection 22, in main wiring harness -367-

17 - Washer fluid level warning lamp -K37-

18 - Coolant temperature and coolant shortage warning lamp -K28-

19 - Ambient temperature sensor -G17-

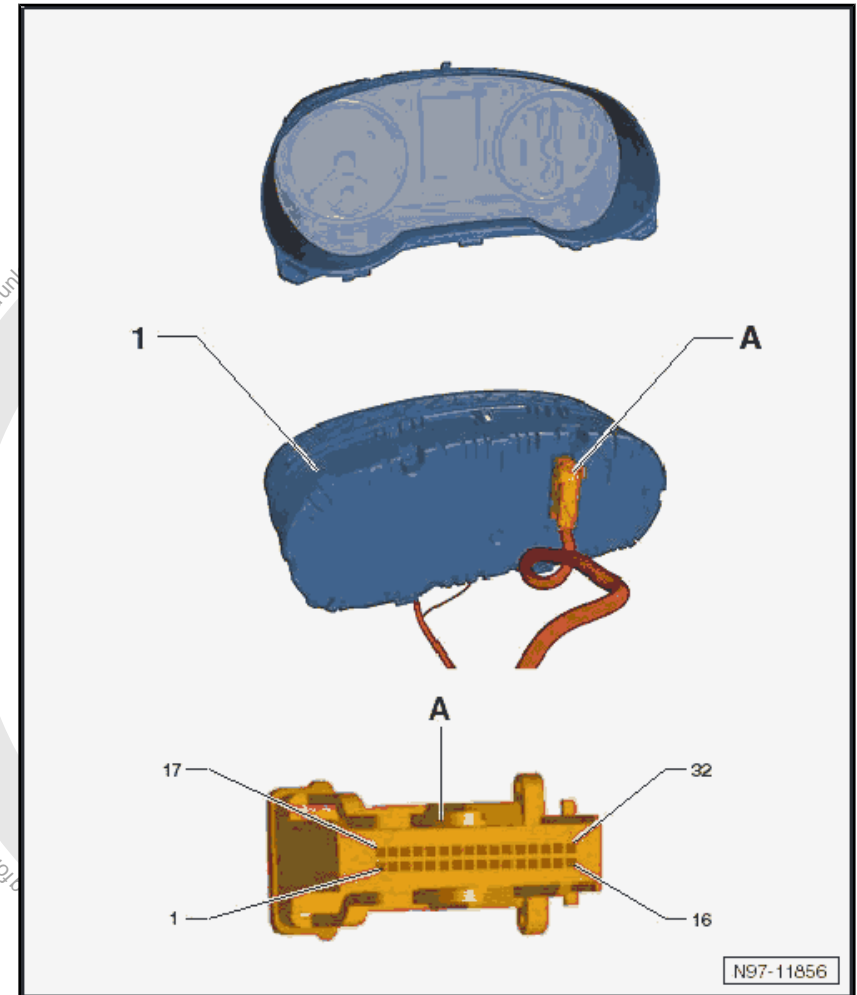
20 - Earth connection (sender earth) 1, in dash panel wiring harness -269-

21 - Positive connection 4 (15a) in dash panel wiring harness -A199- 15a

22 - Right steering column switch -EX20- AW0

23 - Right steering column switch -EX20- AW0

24 - Vacant



- 25 - Handbrake warning switch -F9- / Handbrake warning lamp -K139-
- 26 - Brake fluid level warning contact -F34- / Brake fluid level warning lamp -K33-
- 27 - Oil pressure warning lamp -K3-
- 28 - Data bus diagnostic interface -J533- AW1 / Connection 1 (powertrain CAN bus, high), in main wiring harness -B383- AW0
- 29 - Data bus diagnostic interface -J533- AW1 / Connection 1 (powertrain CAN bus, low), in main wiring harness -B390- AW0
- 30 - Vacant
- 31 - Positive connection 4 (15a) in dash panel wiring harness -A199- / Control unit for vehicle location system -J895- 15a
- 32 - Fuse 3 on fuse holder C -SC3- 30a



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1.35 Entry and start authorisation control unit -J518-

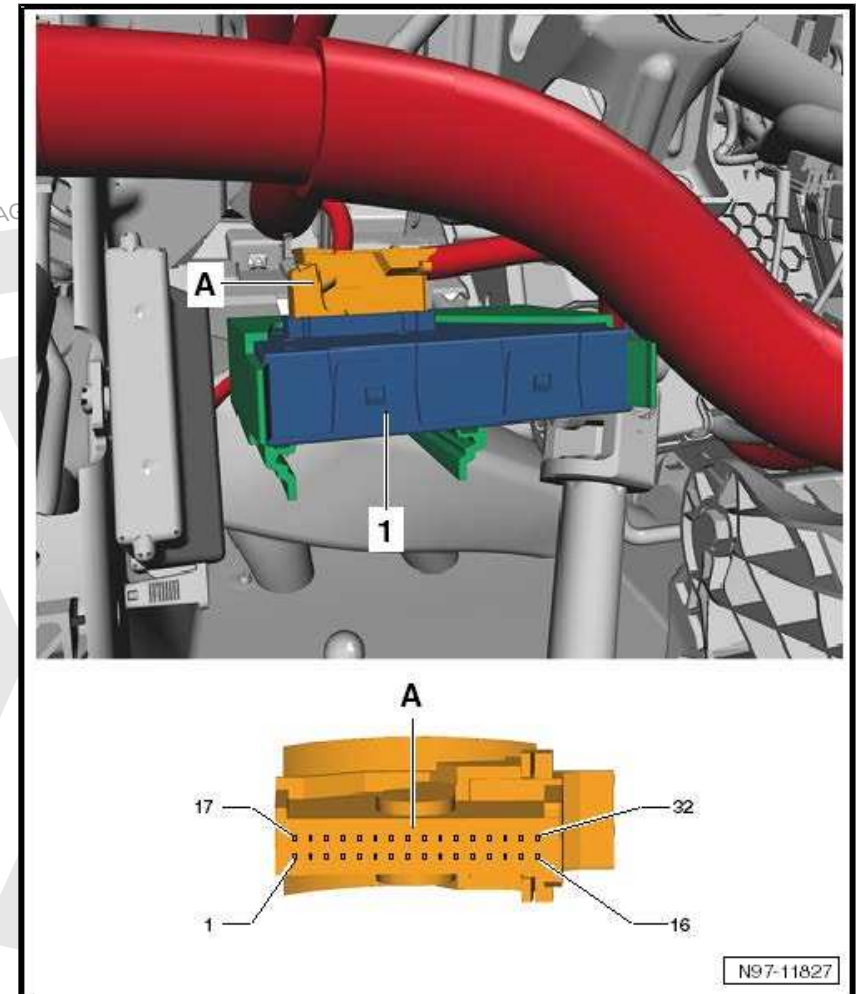
1 - Entry and start authorisation control unit -J518-

Fitting location:

- next to steering column, near centre console

Connector:

- A- 32-pin connector -T32e- on wiring harness



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1.36 Data bus diagnostic interface -J533-

Only models with Pr. number AW1

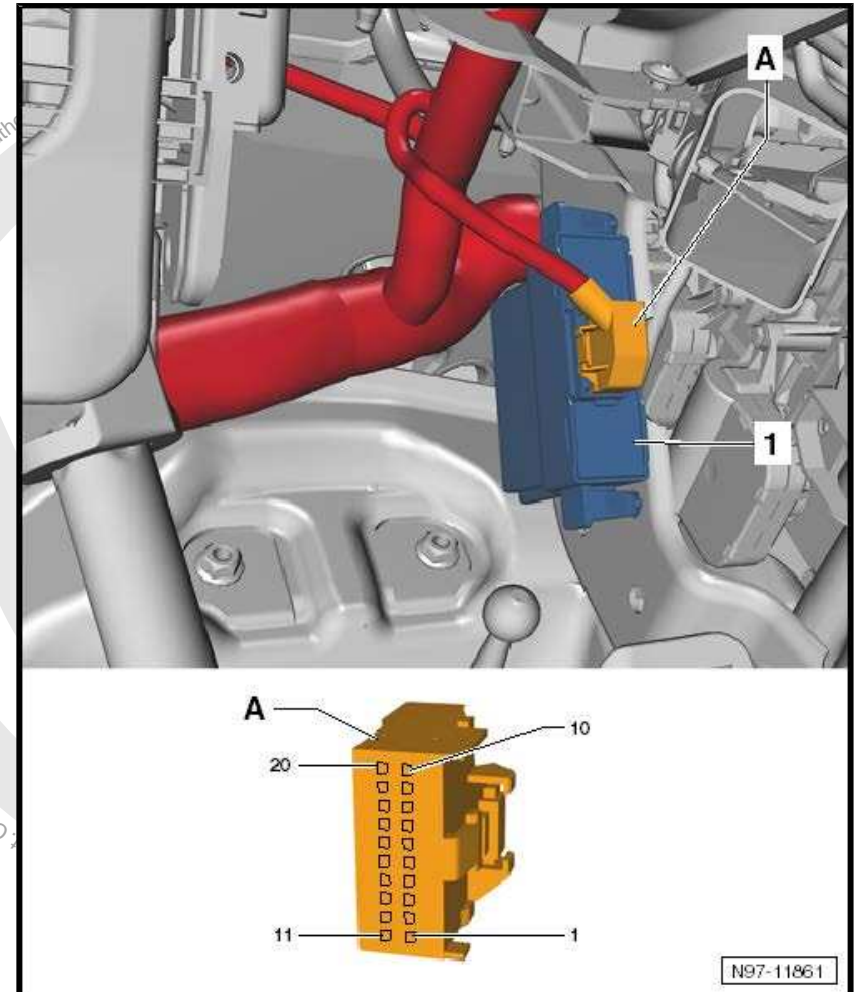
1 - Data bus diagnostic interface -J533-

Fitting location:

- ❑ next to steering column, near centre console

Connector:

- ❑ -A- 20-pin connector -T20- on wiring harness



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N97-11861

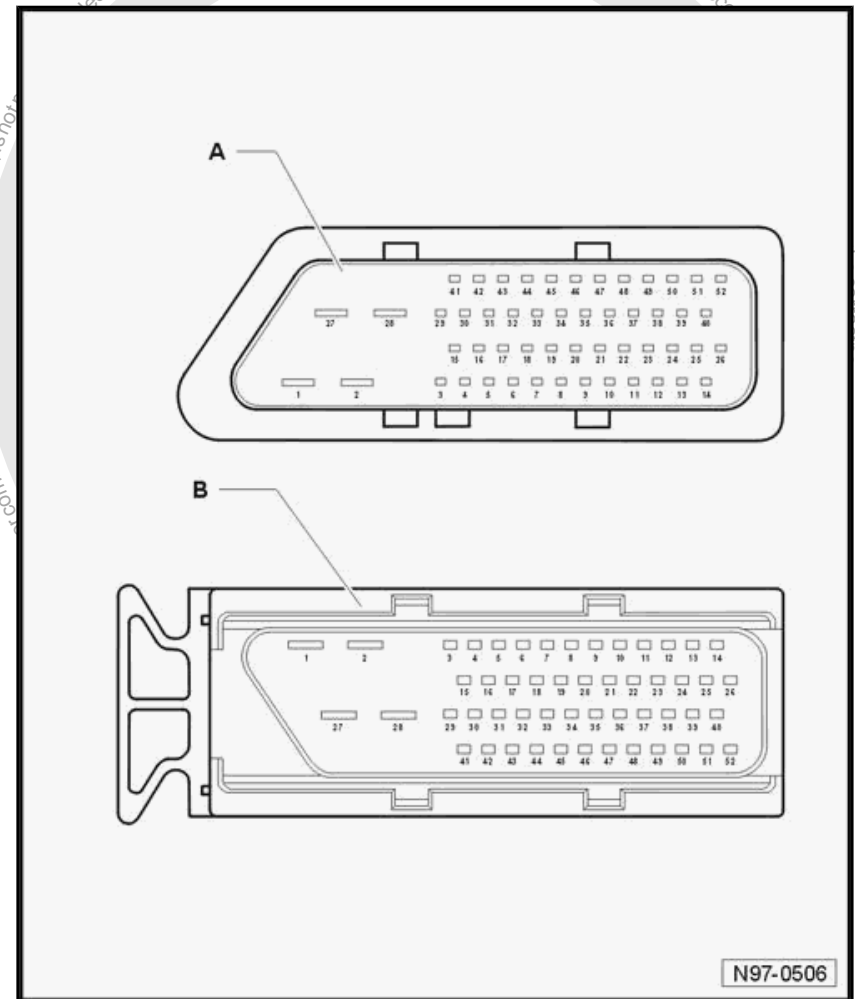
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1.37 Automatic gearbox control unit -J217-

A - Automatic gearbox control unit -J217-

Connector:

B - 52-pin connector -T52- on wiring harness



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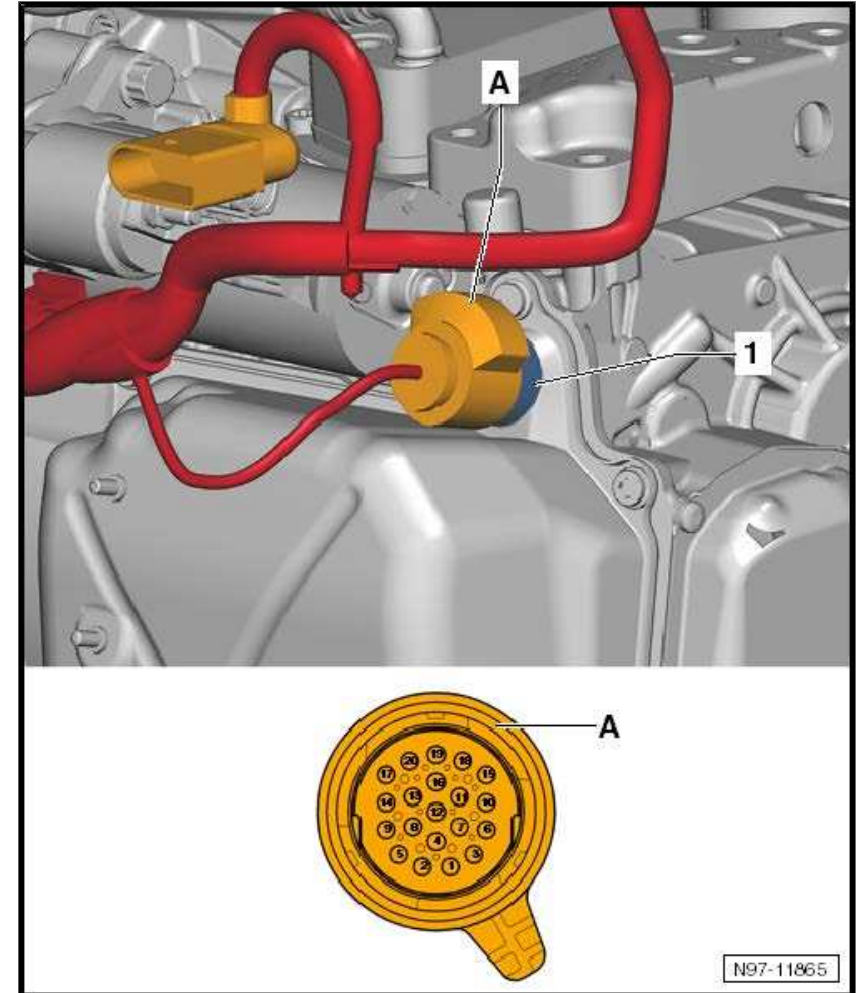
1.38 Mechatronic unit for dual clutch gearbox -J743-

1.38.1 Dual clutch gearbox 02E

1 - Mechatronic unit for dual clutch gearbox -J743-

Pin connector on gearbox:

- -A- 20-pin connector -T20e- on wiring harness



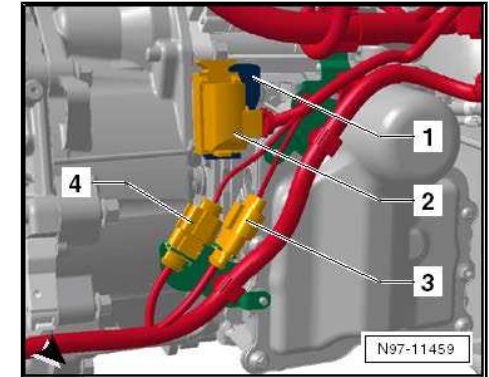
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1.38.2 Dual clutch gearbox 0AM

Fitting location:

- 1 - Mechatronic unit for dual clutch gearbox -J743-
- 2 - 25-pin connector -T25- on wiring harness
- 3 - Coupling station for alternator and air conditioner (T4t)
- 4 - Coupling station

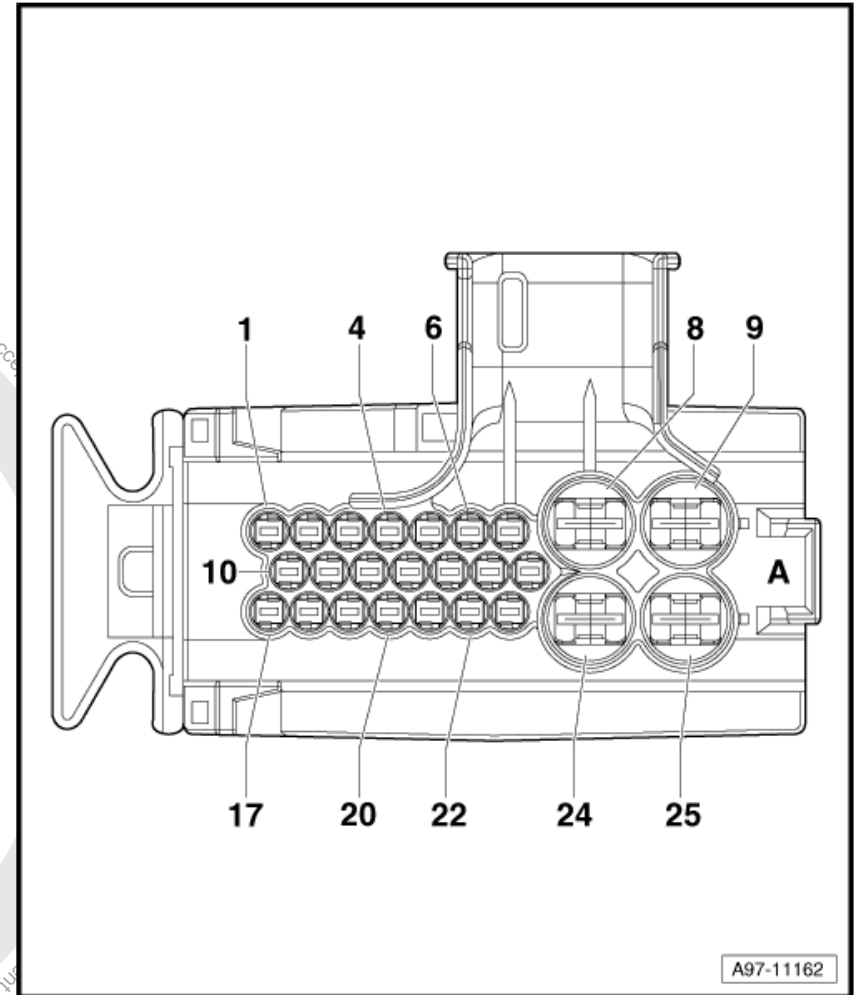
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1.38.3 Pin assignment: dual clutch gearbox 0AM

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- Mechatronic unit for dual clutch gearbox -J743-
A - 25-pin connector -T25-



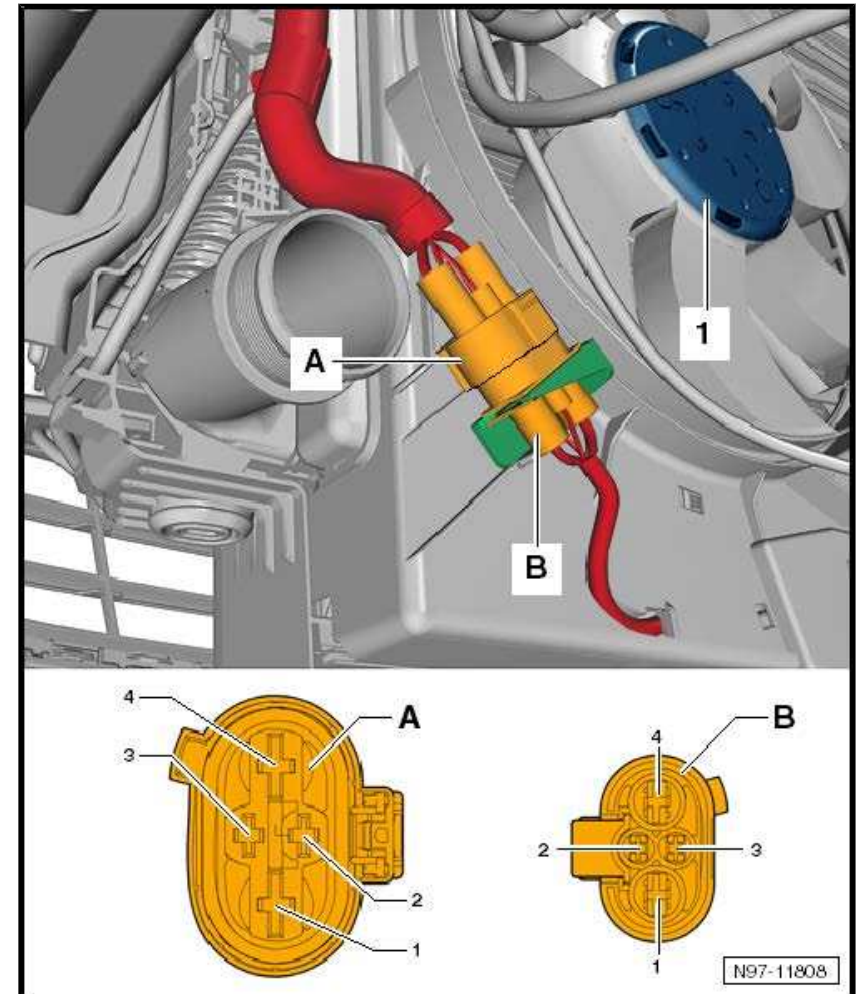
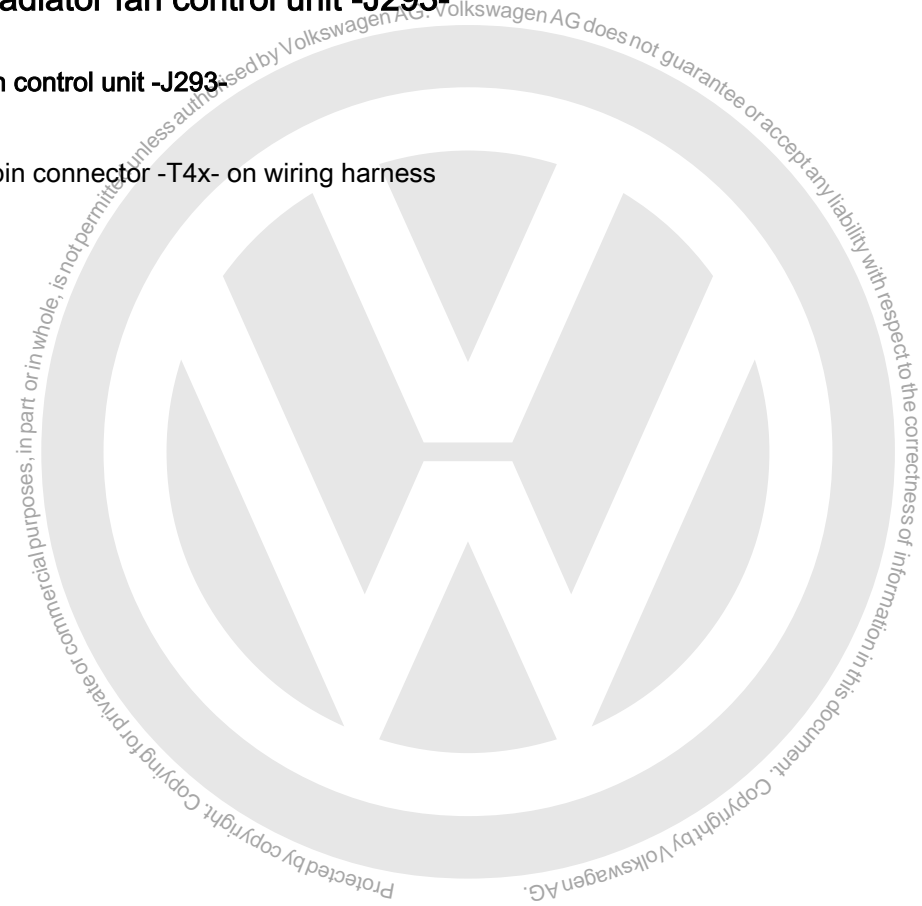
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1.39 Radiator fan control unit -J293-

1 - Radiator fan control unit -J293-

Connector:

- -A/B- 4-pin connector -T4x- on wiring harness



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1.40 Engine control unit -J623-

154-pin connector assignment:

A - Engine control unit -J623-

Connector:

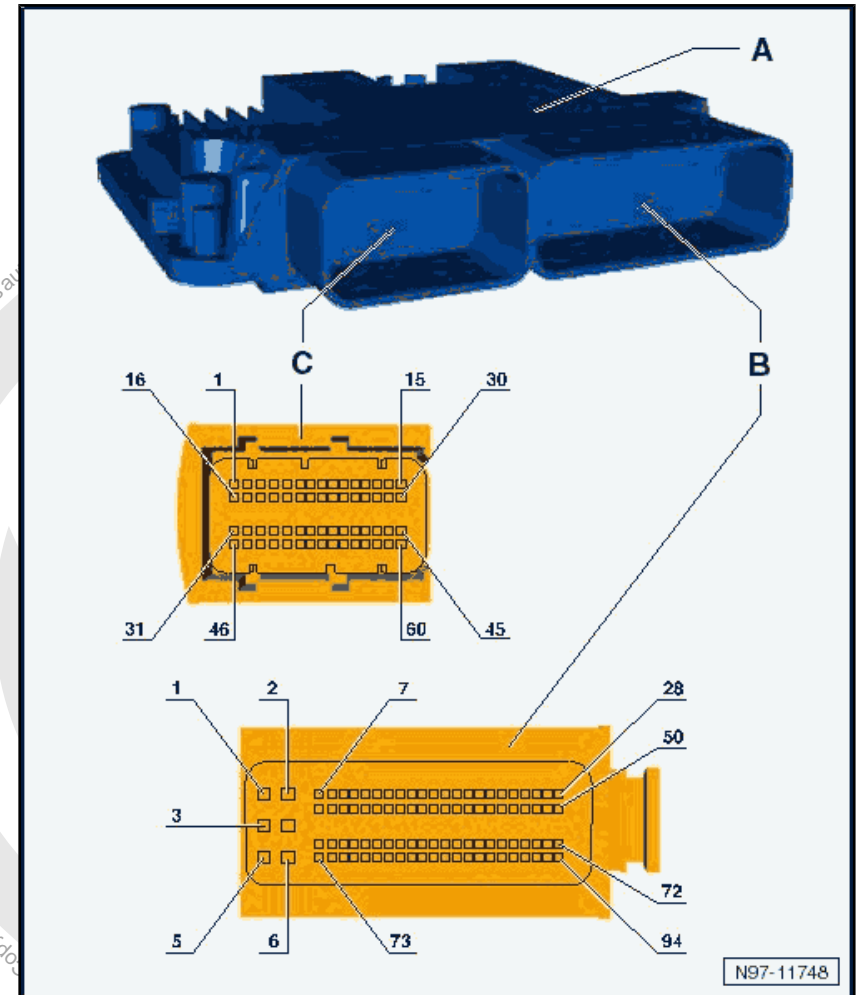
B - 94-pin connector -T94- on wiring harness

C - 60-pin connector -T60- on wiring harness



Note

154-pin connector -T154- is made up of connectors B and C.



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1.41 Engine control unit -J623-

196-pin connector assignment:

1 - Engine control unit -J623-

Connector:

A - 105-pin connector -T105- on wiring harness

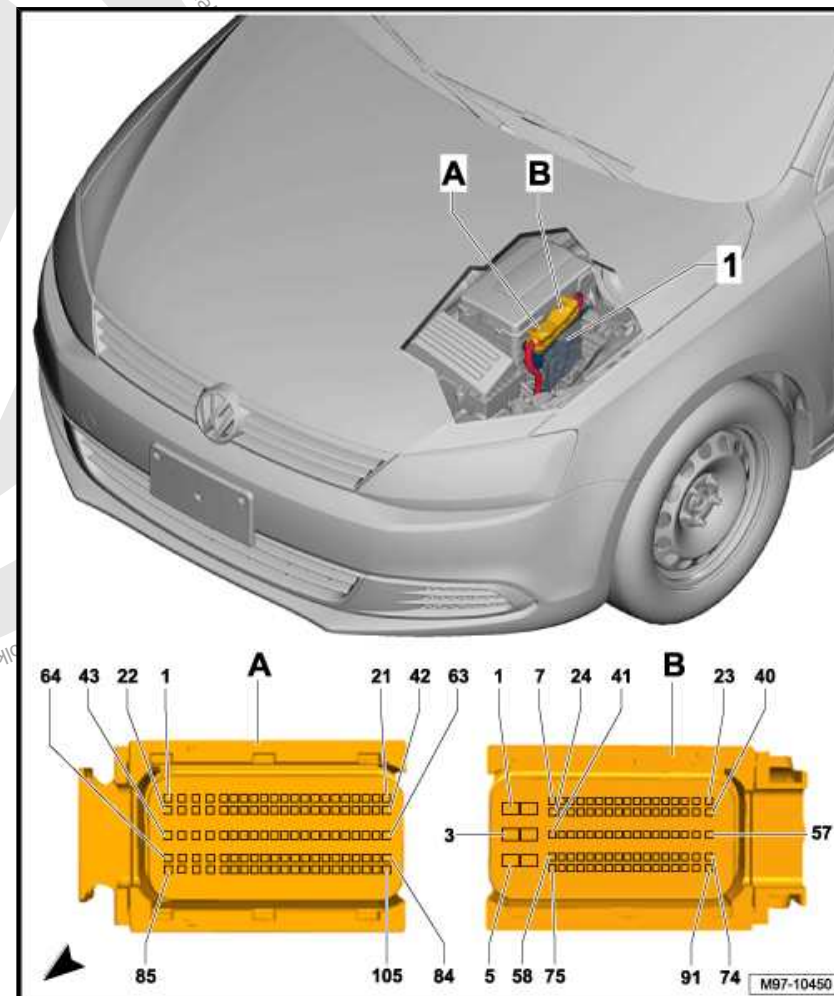
B - 91-pin connector -T91- on wiring harness



Note

196-pin connector -T196- is made up of connectors A and B.

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1.42 Battery monitor control unit -J367-

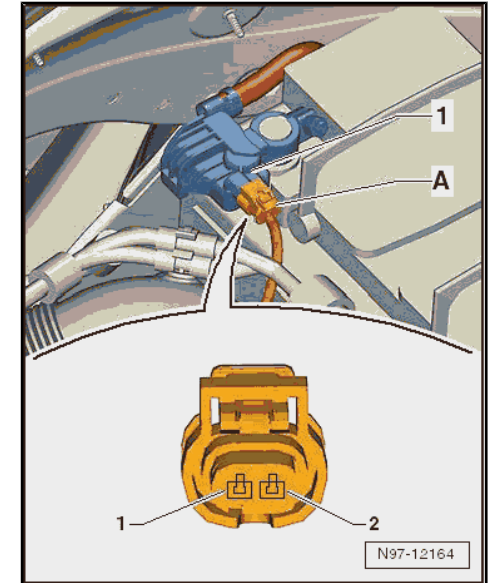
Fitting location: in engine compartment, on battery negative terminal

Fitting location: in luggage compartment, on battery negative terminal ⇒ [page 7](#)

1 - Battery monitor control unit -J367-

A - 2-pin connector -T2fn-

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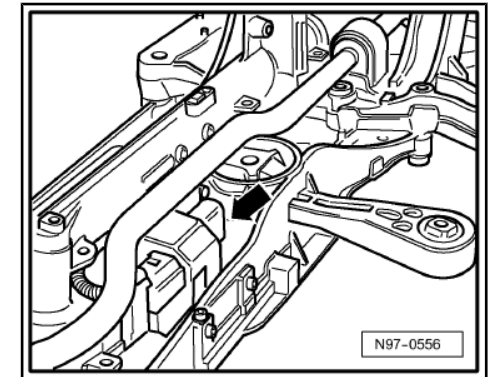


1.43 Power steering control unit -J500-

1.43.1 Fitting location:

On steering on centre of assembly carrier -arrow-

1.43.2 Connector assignment:



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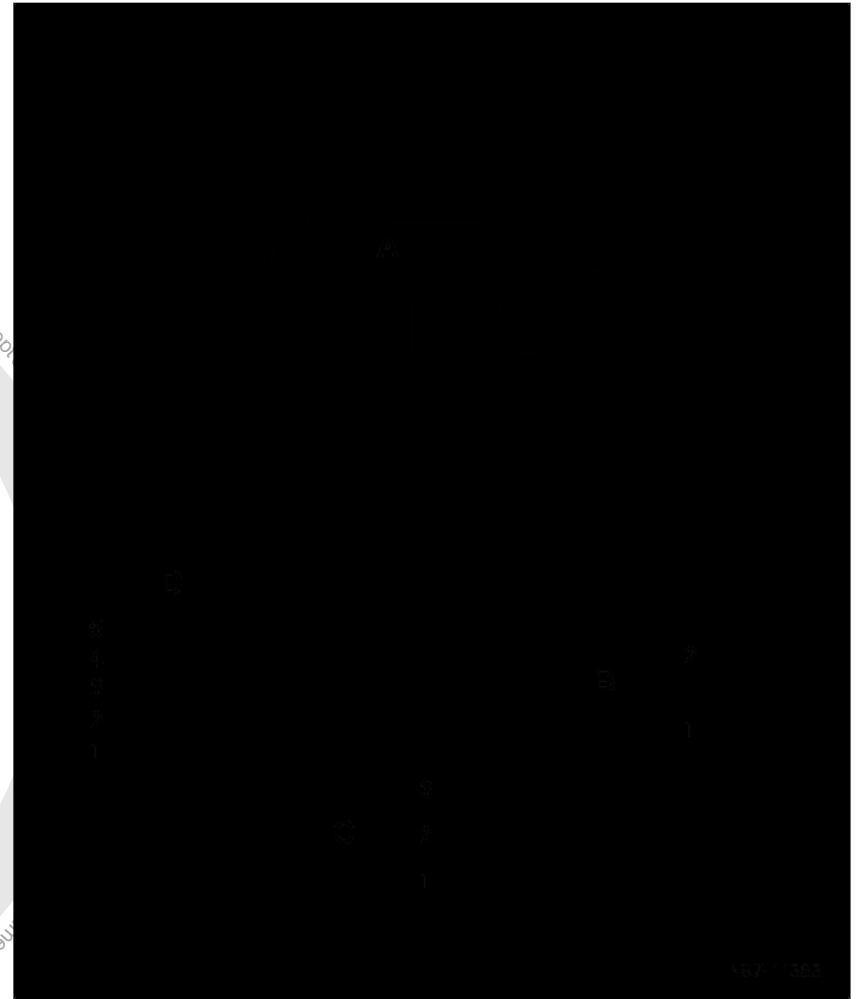
A - Power steering control unit -J500-

Connectors:

B - 2-pin connector -T2a- on wiring harness

C - 3-pin connector -T3- on wiring harness

D - 5-pin connector -T5g- on wiring harness



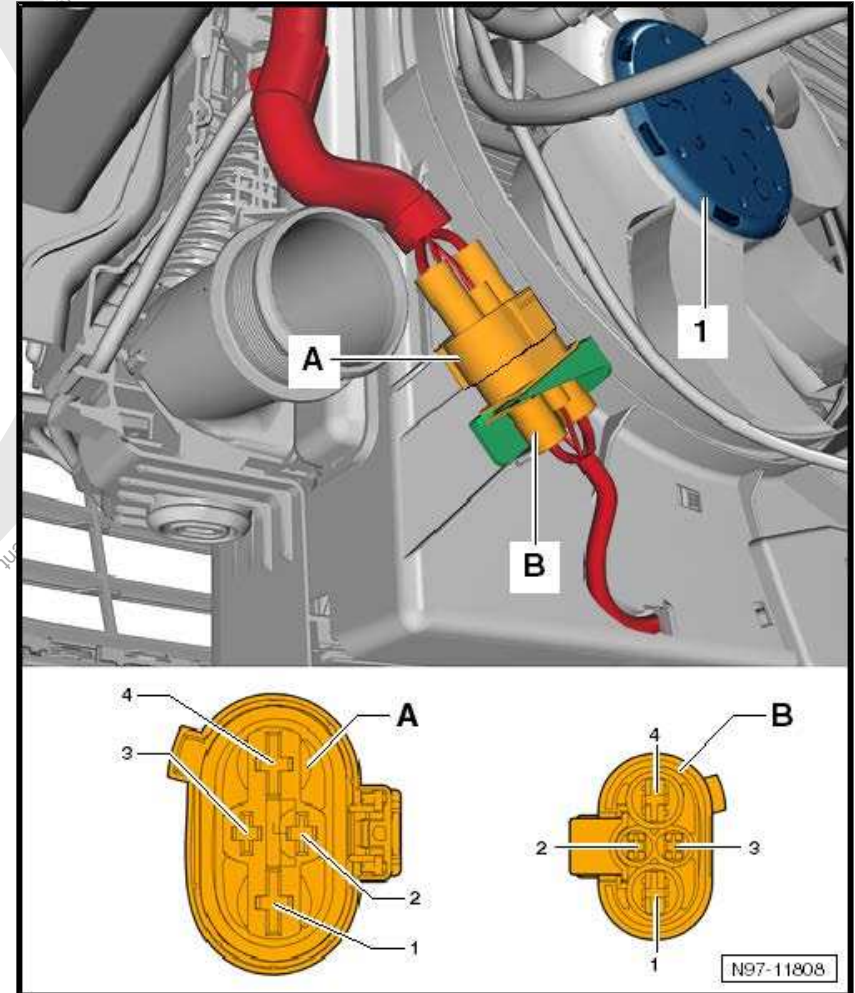
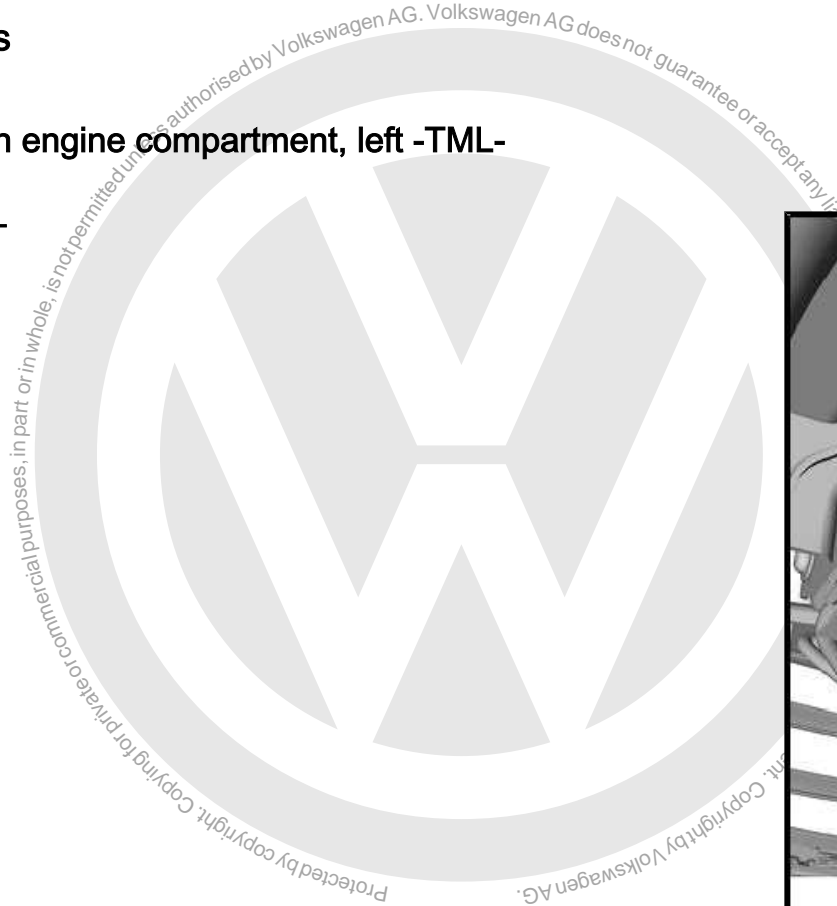
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1 Coupling points

1.1 Coupling point in engine compartment, left -TML-

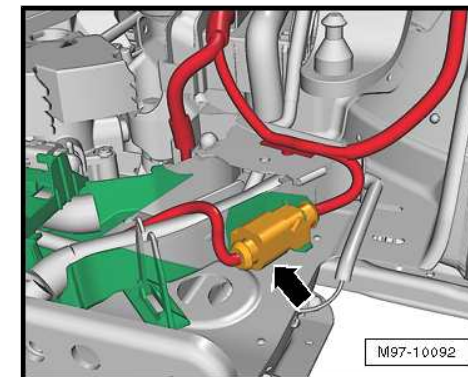
1 - Radiator fan control unit -J293-

A/B - 4-pin connector -T4x-



Coupling point for steering

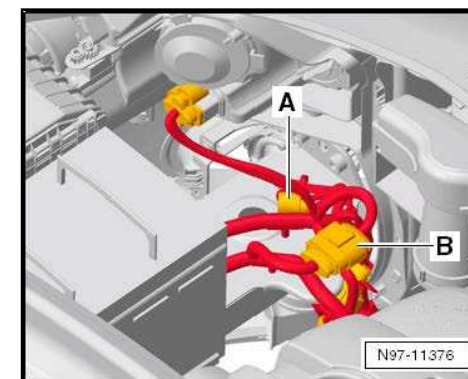
- 6-pin connector -T6z- -Arrow-



Coupling point for engine, diesel models

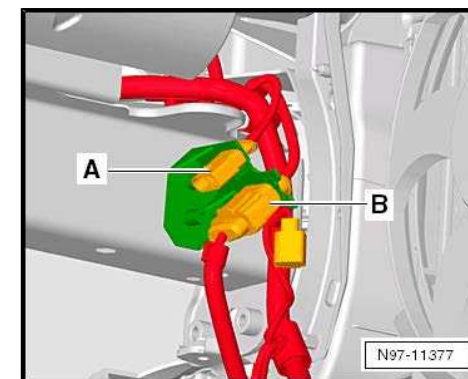
A - 10-pin connector -T10g-

B - 14-pin connector -T14-



Coupling point for alternator

A - 2-pin connector -T2i- / 4-pin connector -T4t-



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Coupling point for engine, hybrid models

1 - 14-pin connector -T14-

2 - 14-pin connector -T14hy-

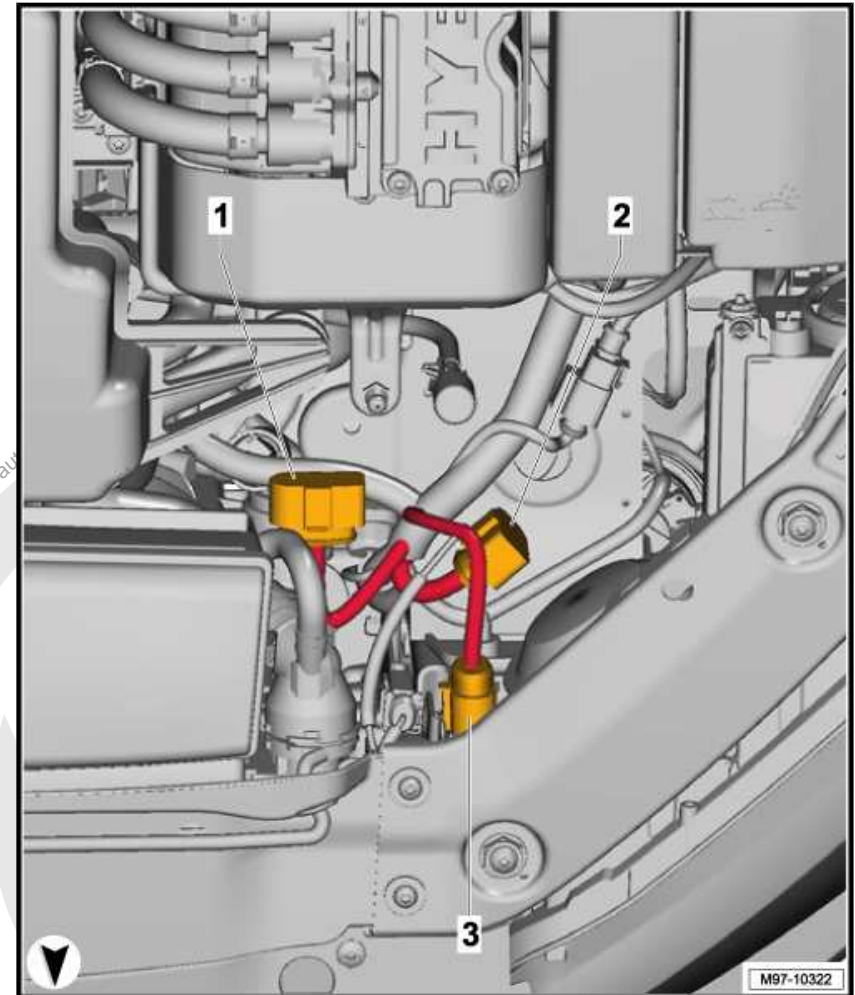
- Not for models with high-voltage system (hybrid)

3 - 14-pin connector -T14I-

- Only for models with gas discharge headlights

10-pin connector -T10I-

- For models with halogen headlights only

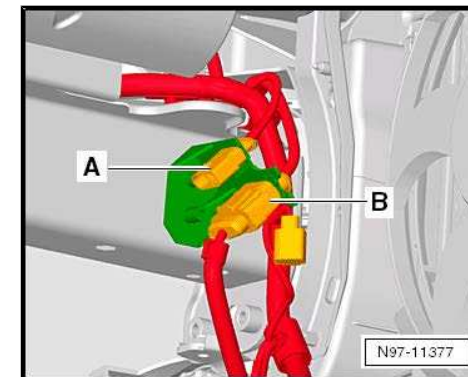


Front bumper coupling point

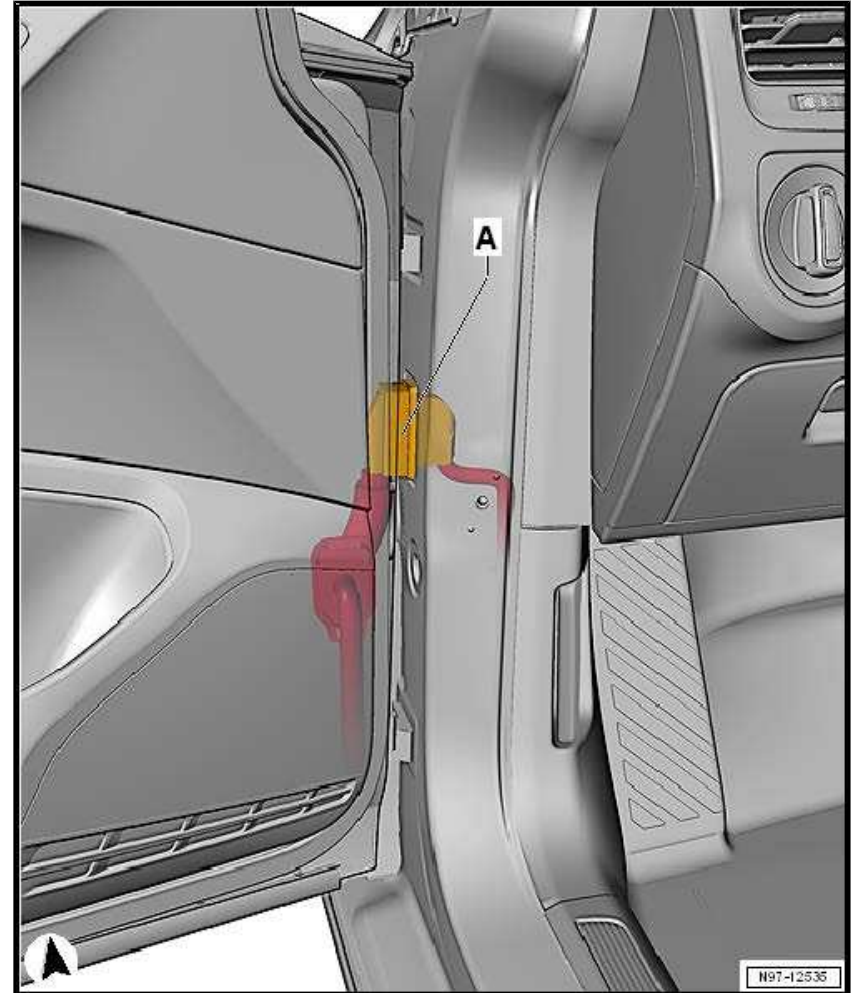
B - 8-pin connector -T8I-

12

Coupling point on front left door -TTVL-

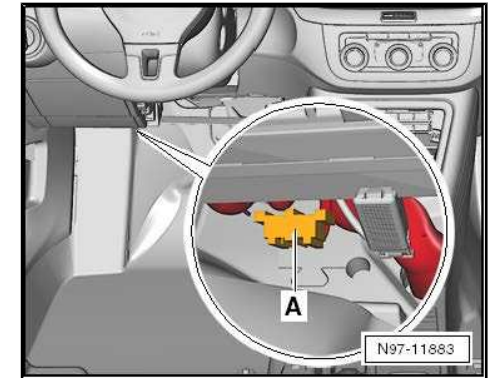


A -
28-pin connector -T28- / 32-pin connector -T32f-



1.3 Diagnostic connection -U31-

A - 16-pin connector -T16-



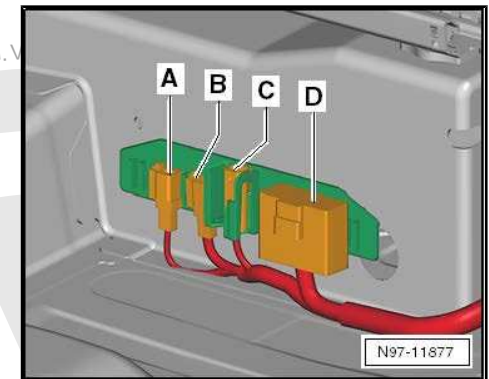
1.4 Coupling point for front left seat -TSVL-

A - 2-pin connector -T2q-

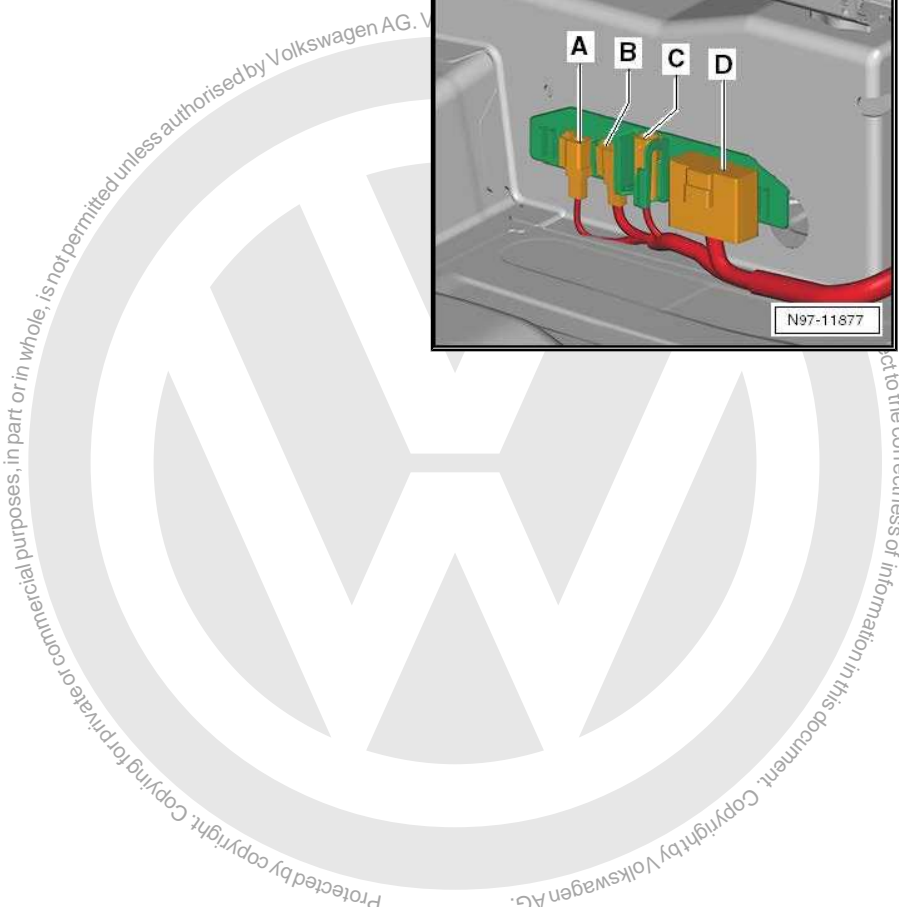
B - 3-pin connector -T3ar-

C - 3-pin connector -T3k-

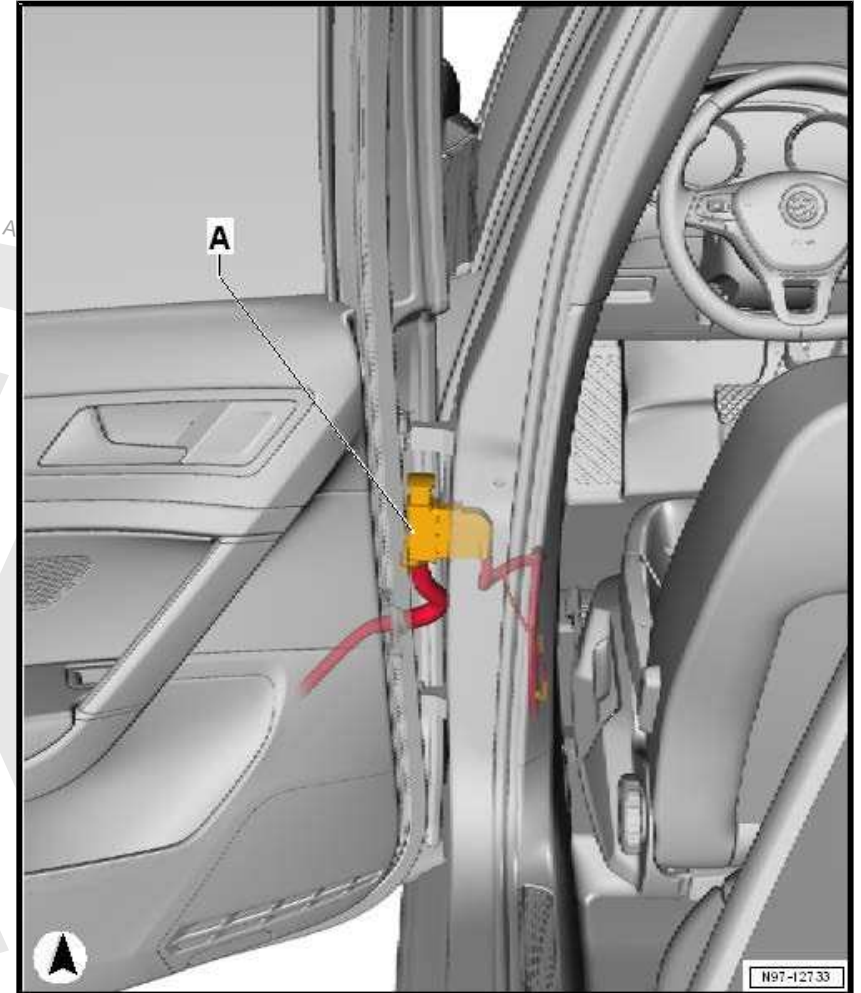
D - 10-pin connector -T10c-



1.5 Coupling point on rear left door -TTHL-

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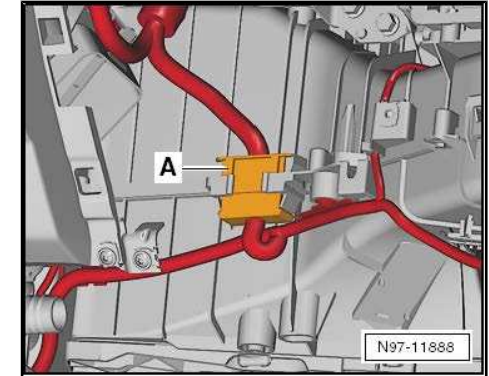
A - 28-pin connector -T28b-



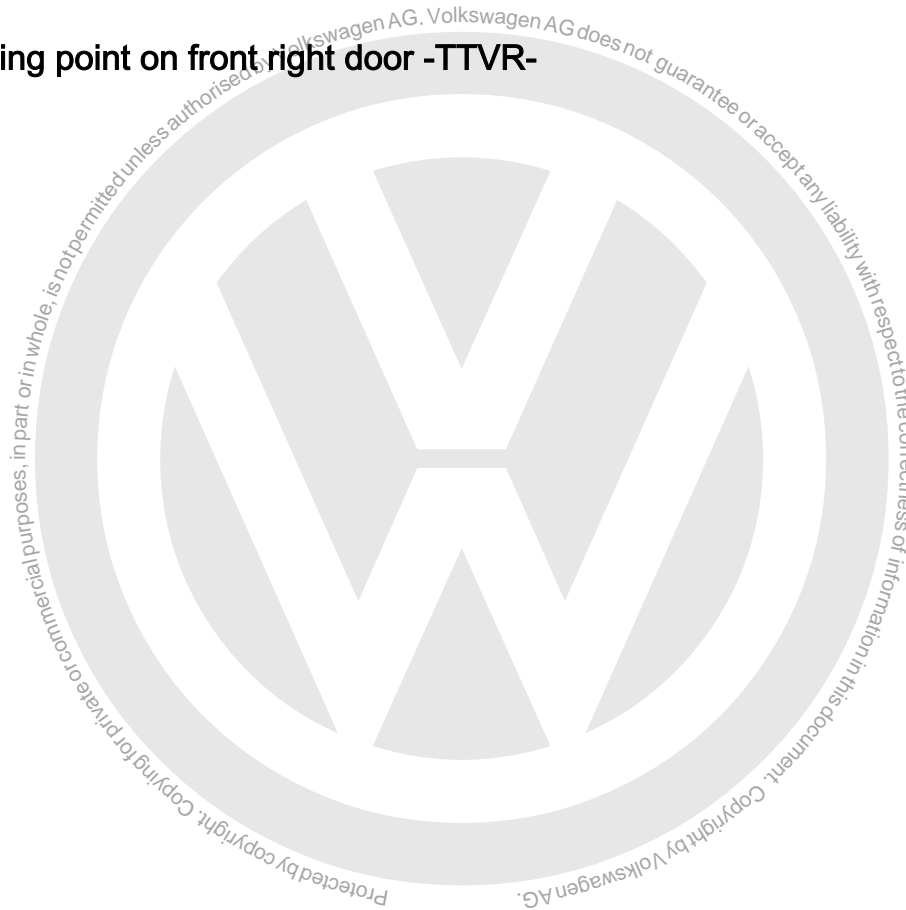
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1.6 Coupling point in interior -TI- , on heater and air conditioner unit -VX1-

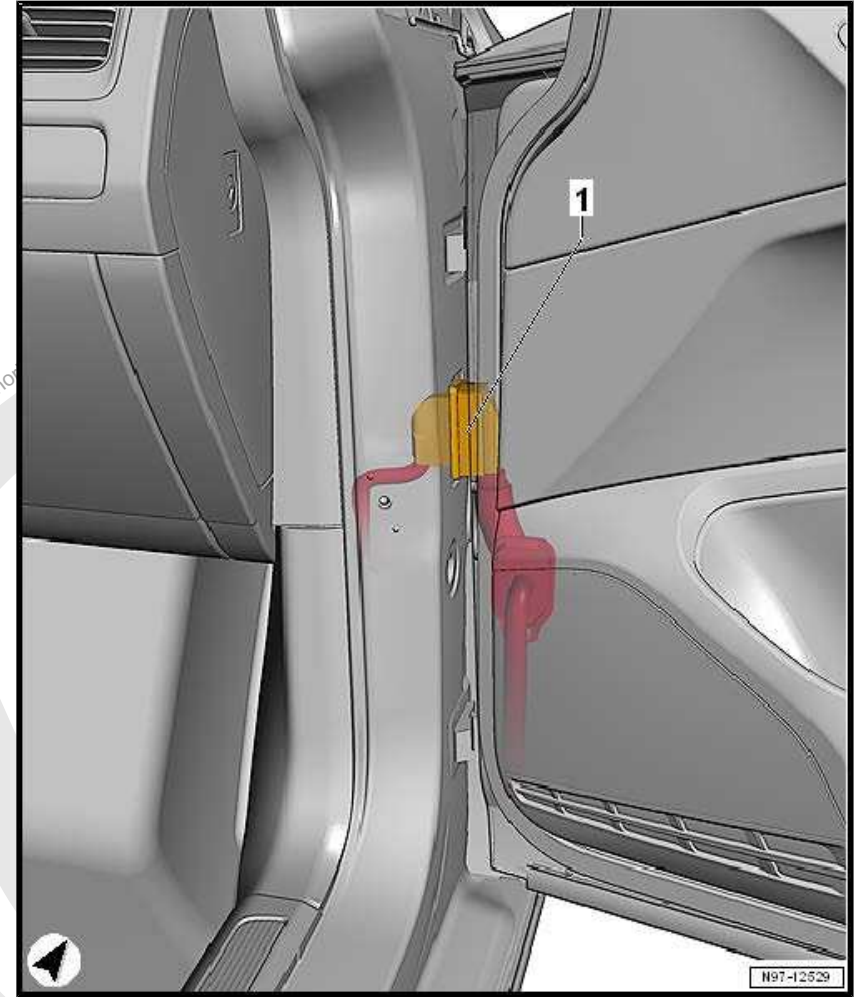
A - 10-pin connector -T10a- , on heater and air conditioner unit, front passenger footwell



1.7 Coupling point on front right door -TTVR-



1 - 28-pin connector -T28a-



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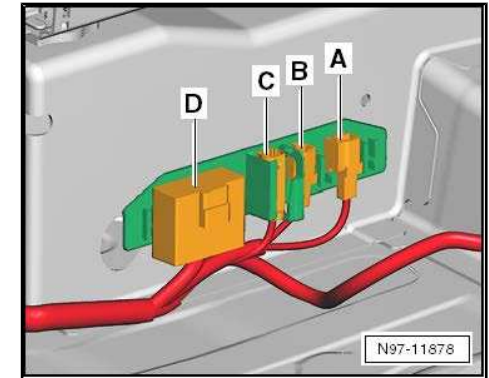
**1.8 Coupling point for front right seat
-TSVR-**

A - 2-pin connector -T2be-

B - 10-pin connector -T10b-

C - 3-pin connector -T3l-

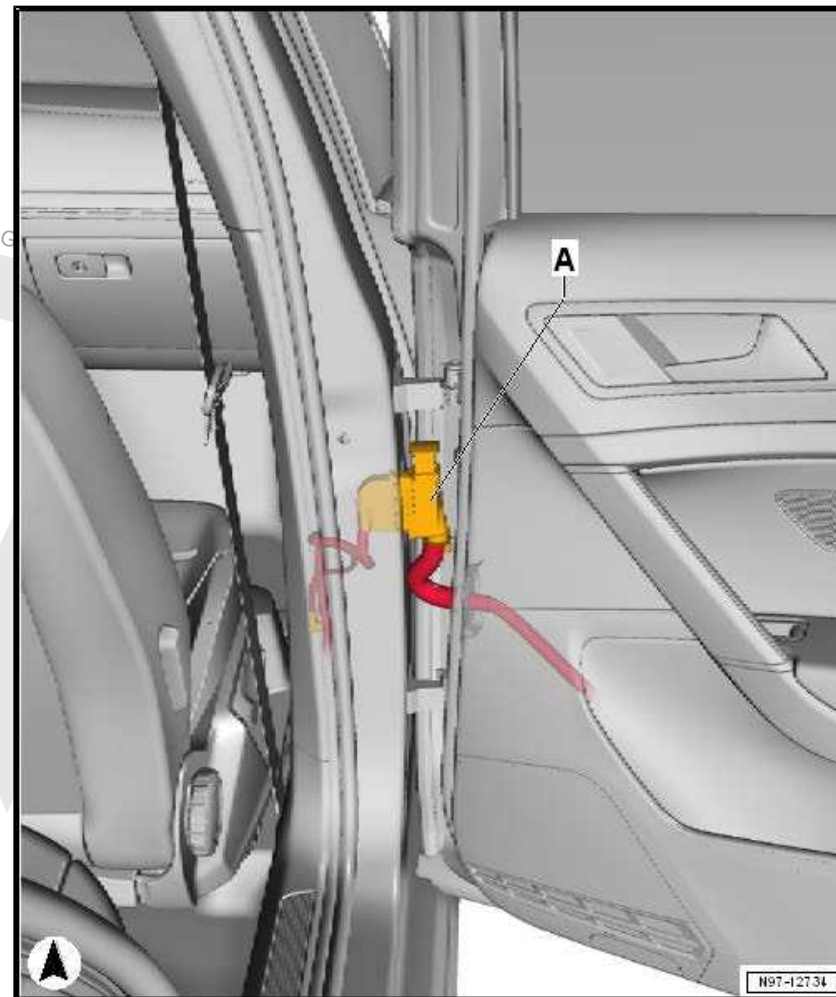
D - 10-pin connector -T10d-



1.9 Coupling point on rear right door -TTHR-



A - 28-pin connector -T28c-



1 - Fuel system diagnostic pump -V144-
near tank filler neck

A - 4-pin connector -T4dp-

2 - Activated charcoal filter solenoid valve 2 -N115-

B - 2-pin connector -T2ta-

