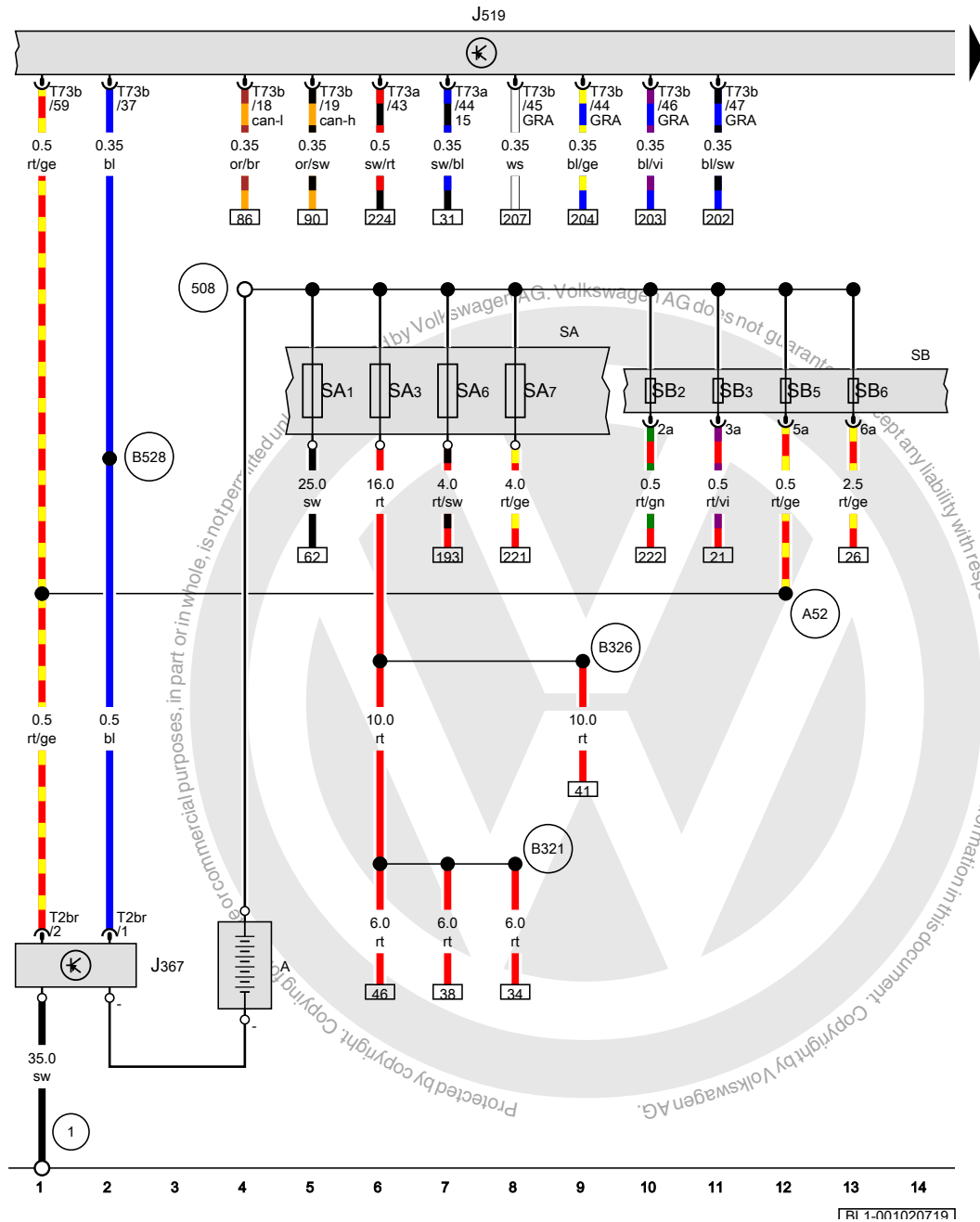


## Electric drive system , EABA

From July 2013

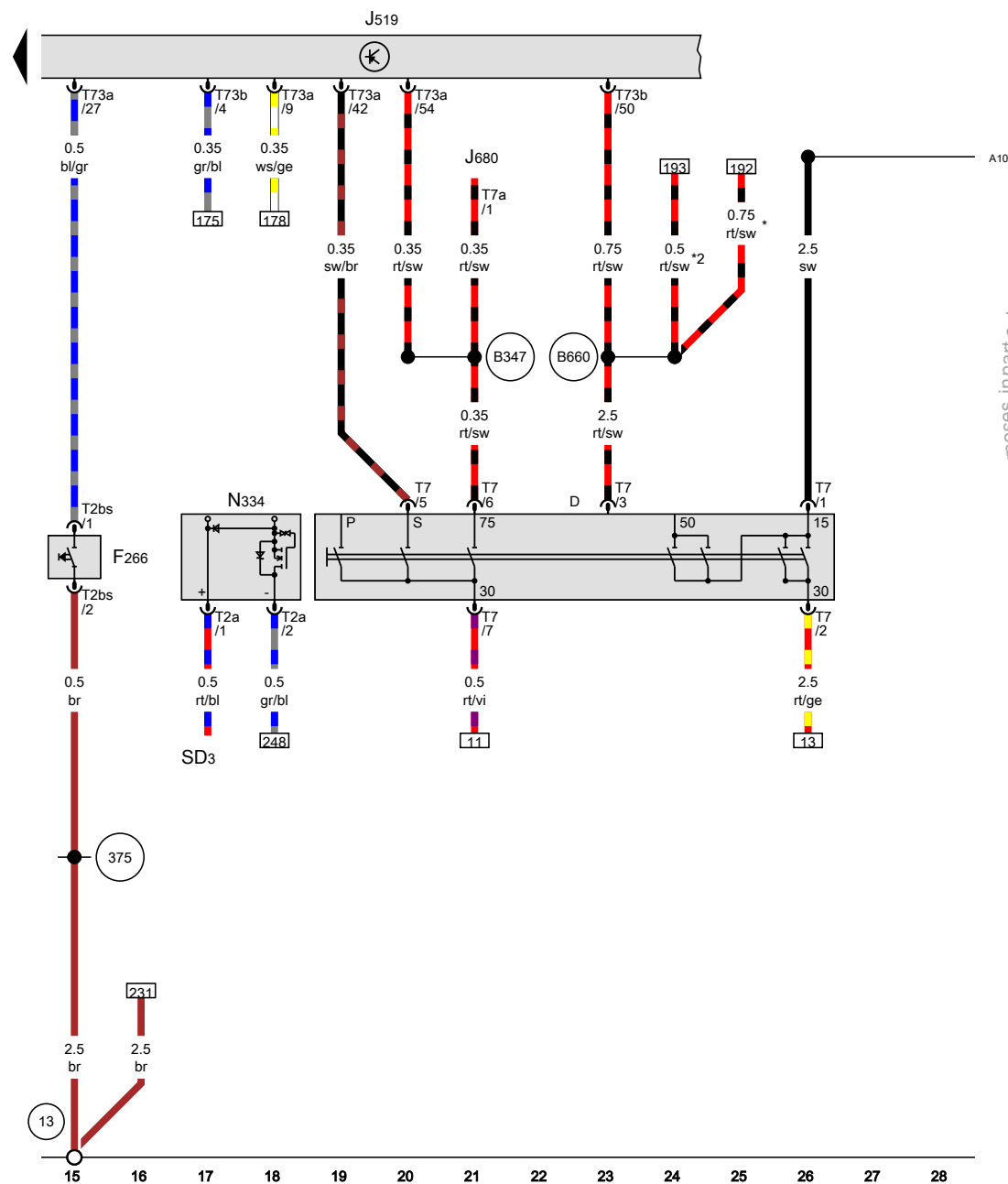


Battery, Battery monitor control unit, Onboard supply control unit, Fuse holder A, Fuse holder B



- A Battery
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA Fuse holder A
- SA1 Fuse 1 on fuse holder A
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SA3 Fuse 3 on fuse holder A
- SB5 Fuse 5 on fuse holder B
- SA6 Fuse 6 on fuse holder A
- SB6 Fuse 6 on fuse holder B
- SA7 Fuse 7 on fuse holder A
- T2br 2-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

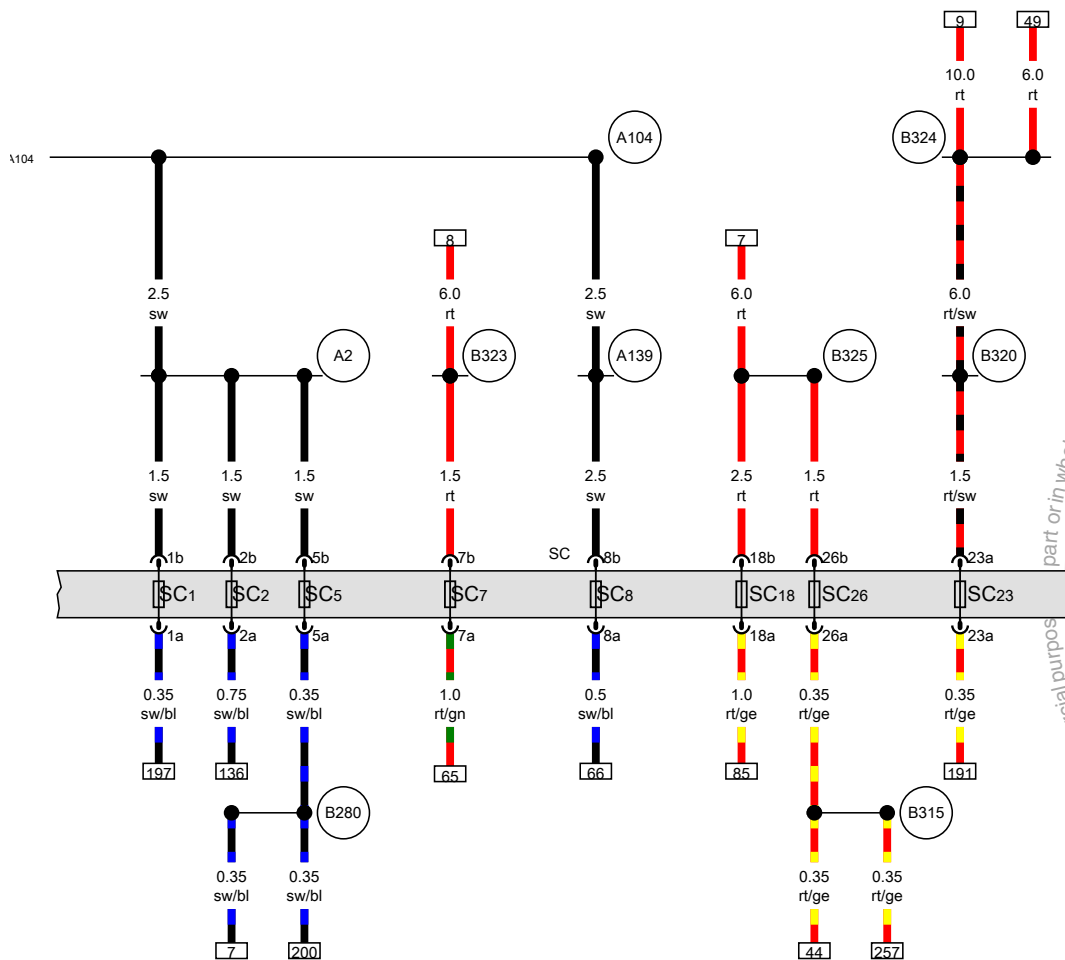
- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A52 Positive connection 2 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B326 Positive connection 12 (30a) in main wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness



Ignition/starter switch, Bonnet contact switch, Onboard supply control unit, Ignition key withdrawal lock solenoid valve

- |      |  |
|------|--|
| D    | Ignition/starter switch                                    |
| F266 | Bonnet contact switch                                      |
| J519 | Onboard supply control unit                                |
| J680 | Terminal 75 voltage supply relay 1                         |
| N334 | Ignition key withdrawal lock solenoid valve                |
| SD3  | Fuse 3 on fuse holder D                                    |
| T2a  | 2-pin connector  |
| T2bs | 2-pin connector  |
| T7   | 7-pin connector  |
| T7a  | 7-pin connector  |
| T73a | 73-pin connector   |
| T73b | 73-pin connector   |
| 13   | Earth point, on right in engine compartment                |
| 375  | Earth connection 10, in main wiring harness                |
| A104 | Positive connection 2 (15), in dash panel wiring harness   |
| B347 | Connection 2 (75), in main wiring harness                  |
| B660 | Connection (diagnosis terminal 50), in main wiring harness |
| *    | From November 2013   |
| *2   | Up to November 2013  |

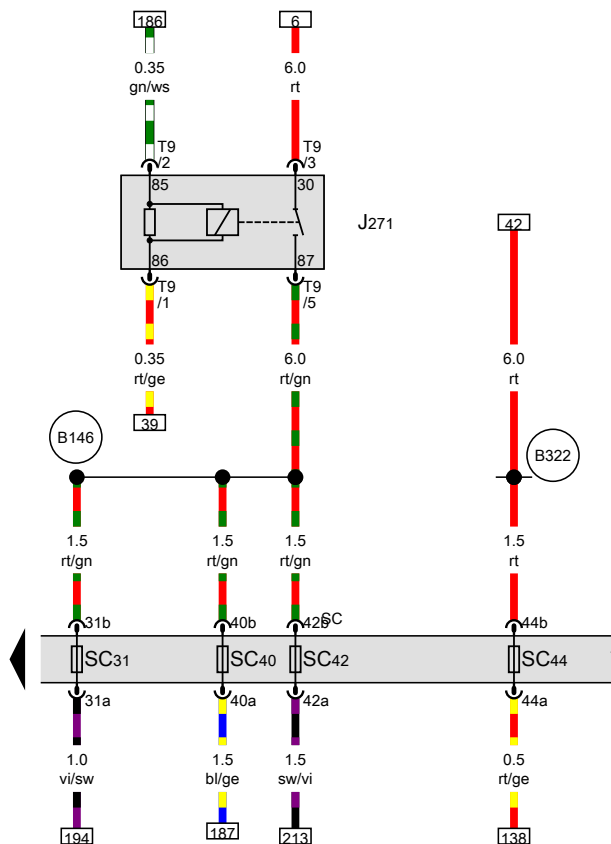
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sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
vi = purple  
ge = yellow  
or = orange  
rs = pink



### Fuse holder C

- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- A2 Positive connection (15), in dash panel wiring harness
- A104 Positive connection 2 (15), in dash panel wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B280 Positive connection 4 (15a) in main wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B323 Positive connection 9 (30a) in main wiring harness
- B324 Positive connection 10 (30a) in main wiring harness
- B325 Positive connection 11 (30a) in main wiring harness

ws = white  
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## Main relay, Fuse holder C

- J271 Main relay
- SC Fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T9 9-pin connector

B146 Positive connection 1 (87), in interior wiring harness

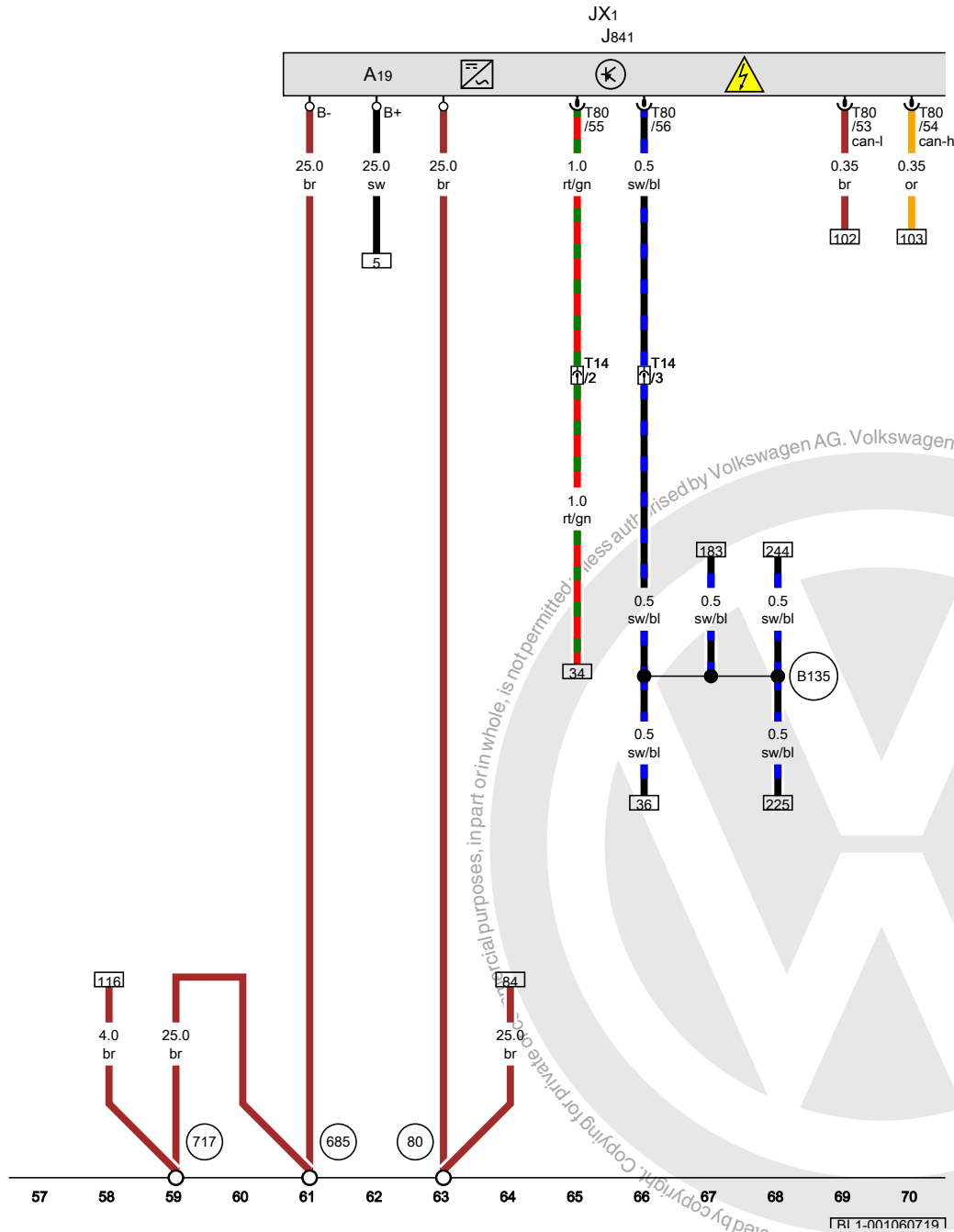
B322 Positive connection 8 (30a) in main wiring harness

ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
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li = purple  
vi = purple  
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Power and control electronics for electric drive, Electric drive control unit

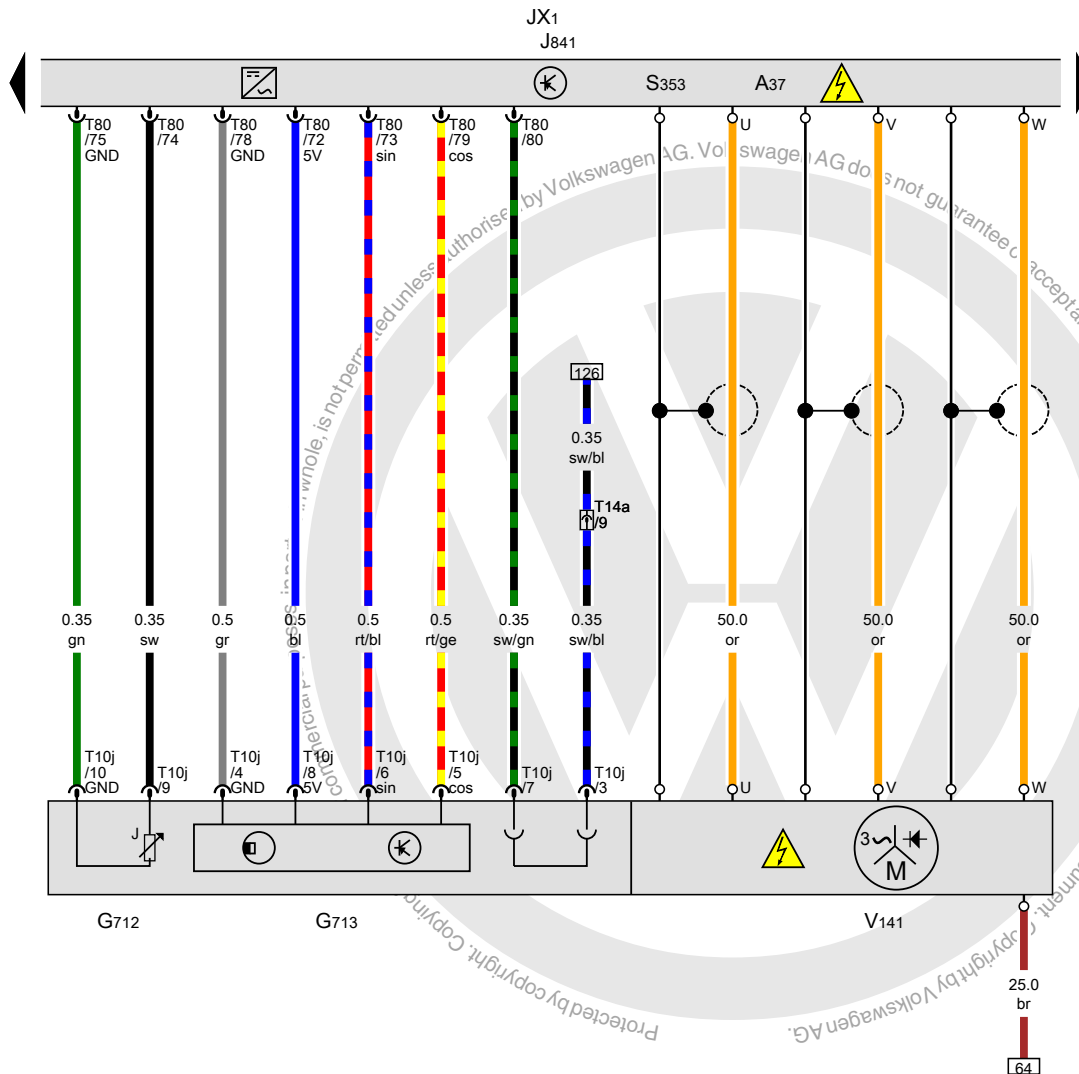
- A19 Voltage converter
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- T14 14-pin connector
- T80 80-pin connector

- 80 Earth point, on centre of front cross member
- 685 Earth point 1, on front of right longitudinal member
- 717 Earth point on front right of cross member
- B135 Connection 1 (15a), in interior wiring harness

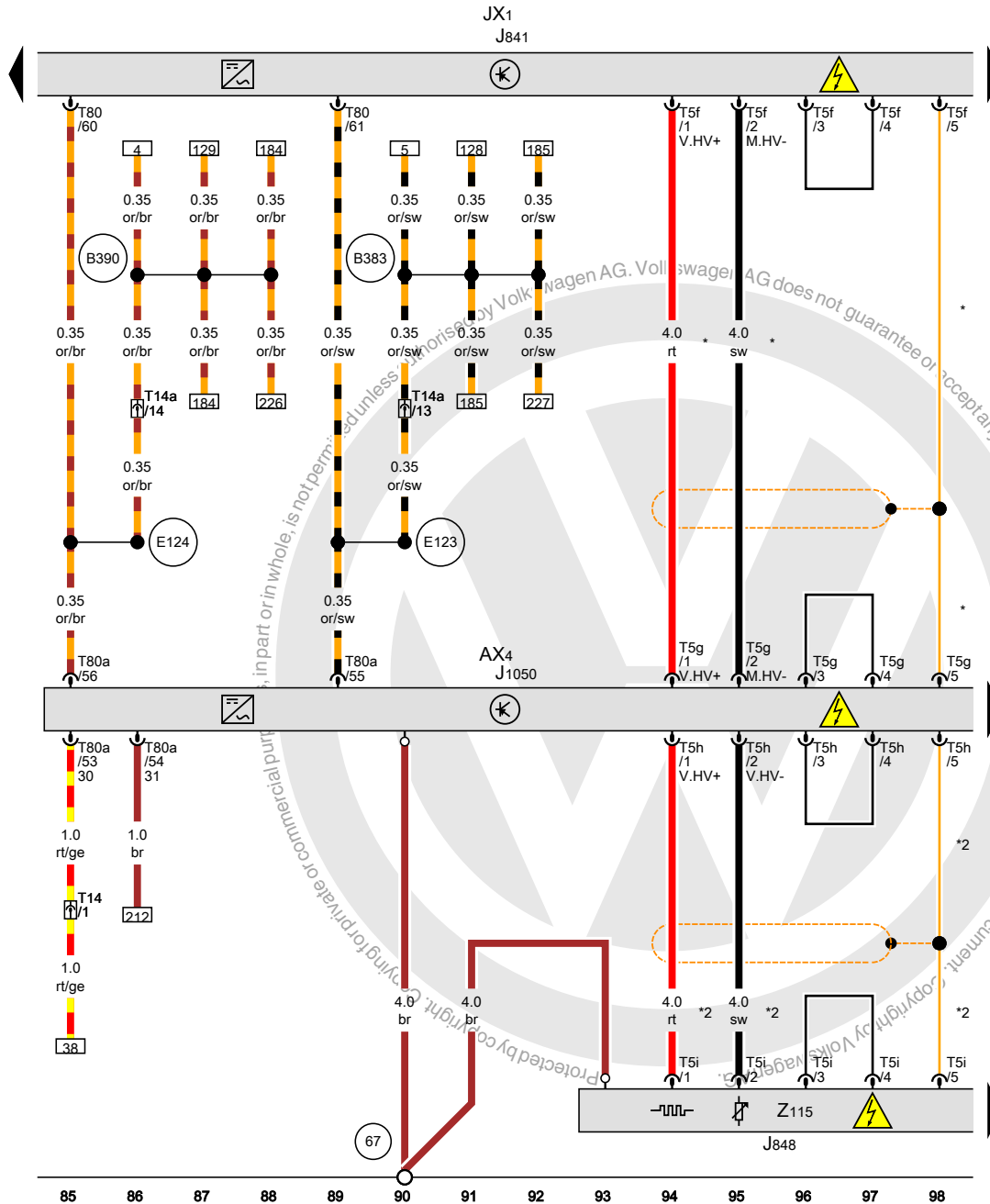


Power and control electronics for electric drive, Electric drive control unit, Electric drive motor

- A37 DC/AC converter for drive motor
- G712 Drive motor temperature sender
- G713 Drive motor rotor position sender 1
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- S353 High-voltage system fuse 3
- T10j 10-pin connector
- T14a 14-pin connector
- T80 80-pin connector
- V141 Electric drive motor



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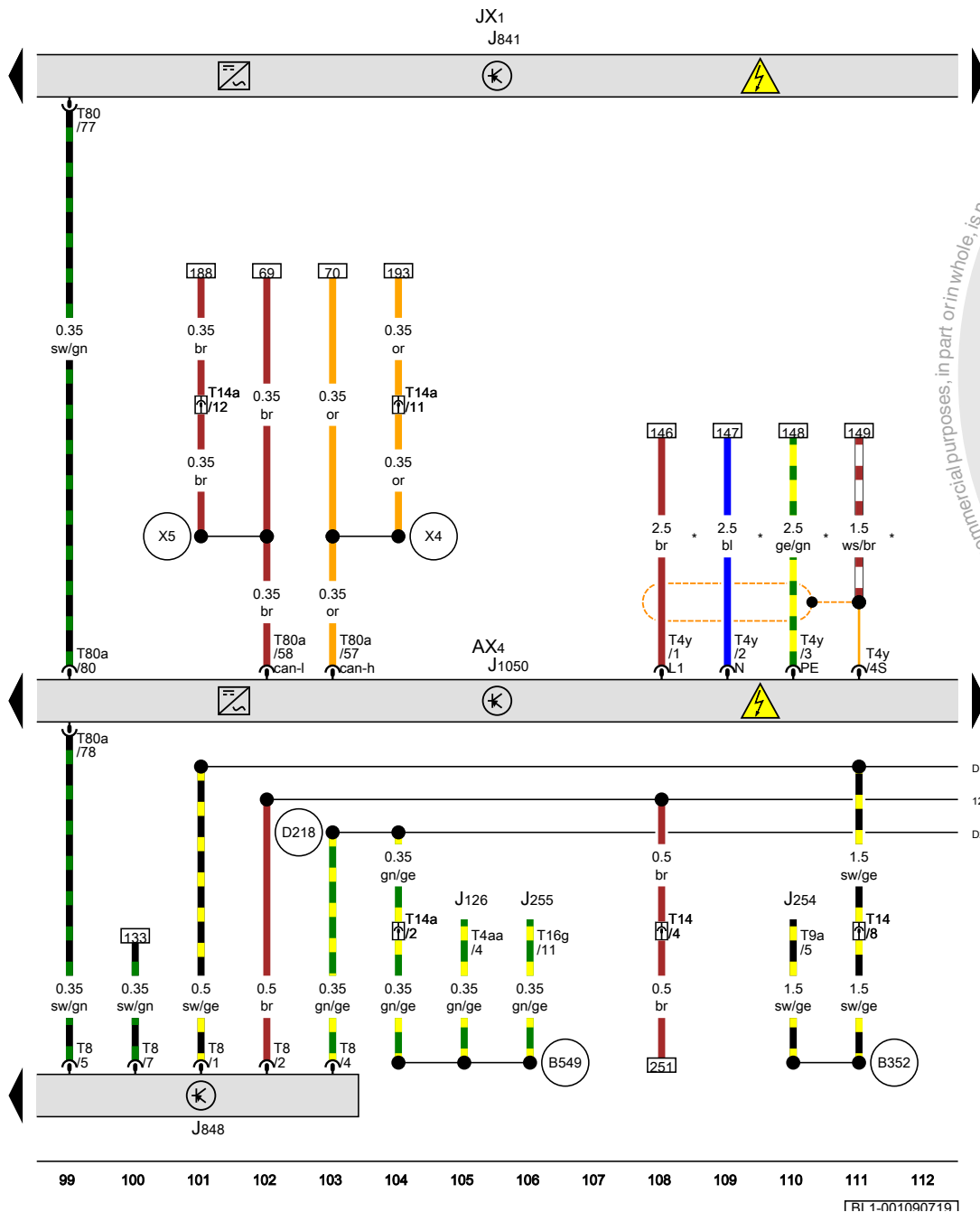
Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, High-voltage heater (PTC) control unit, Control unit for high-voltage battery charging unit

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- J848 High-voltage heater (PTC) control unit
- J1050 Control unit for high-voltage battery charging unit
- T5f 5-pin connector
- T5g 5-pin connector
- T5h 5-pin connector
- T5i 5-pin connector
- T14 14-pin connector
- T14a 14-pin connector
- T80 80-pin connector
- T80a 80-pin connector
- Z115 High-voltage heater (PTC)

- 67 Earth point, on left of front cross member
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- E123 Connection 1 (powertrain CAN bus, high), in engine wiring harness
- E124 Connection 1 (powertrain CAN bus, low), in engine wiring harness
- \* High-voltage wire for charging unit 1/wiring junction (P12)
- \*2 High-voltage wire for high-voltage heater (PTC) (P11)

- ws = white
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- gn = green
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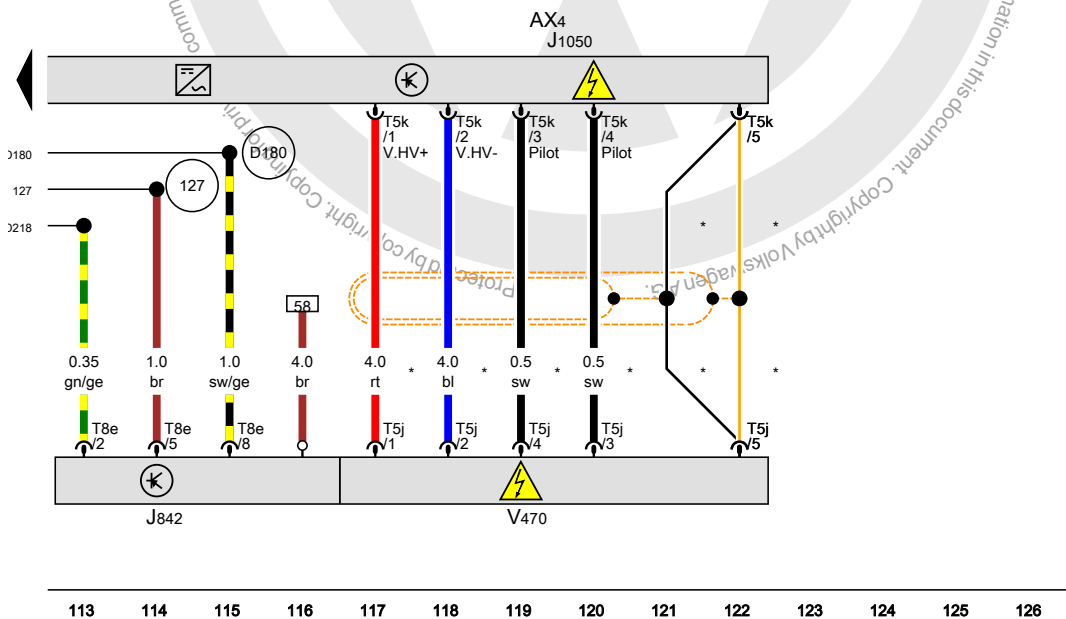
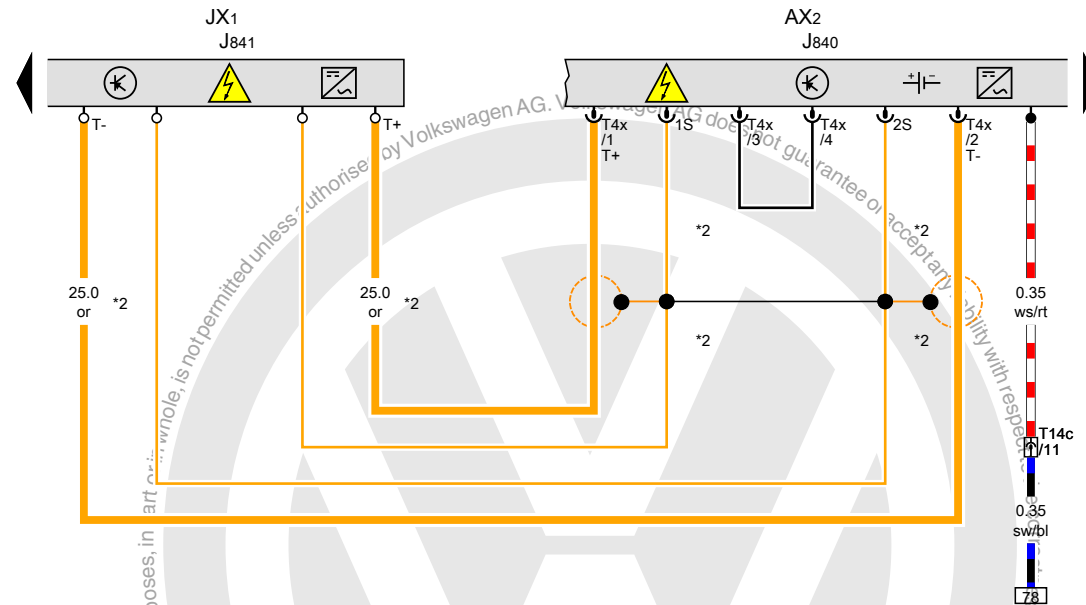




Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, High-voltage heater (PTC) control unit, Control unit for high-voltage battery charging unit

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J126 Fresh air blower control unit
- J254 Climatronic relay
- J255 Climatronic control unit
- J841 Electric drive control unit
- J848 High-voltage heater (PTC) control unit
- J1050 Control unit for high-voltage battery charging unit
- T4aa 4-pin connector
- T4y 4-pin connector
- T8 8-pin connector
- T9a 9-pin connector
- T14 14-pin connector
- T14a 14-pin connector
- T16g 16-pin connector
- T80 80-pin connector
- T80a 80-pin connector
- 127 Earth connection 1, in air conditioning system compressor wiring harness
- B352 Positive connection 3 (87a) in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment 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
- \* High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket (P18)

ws = white  
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 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
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 or = orange  
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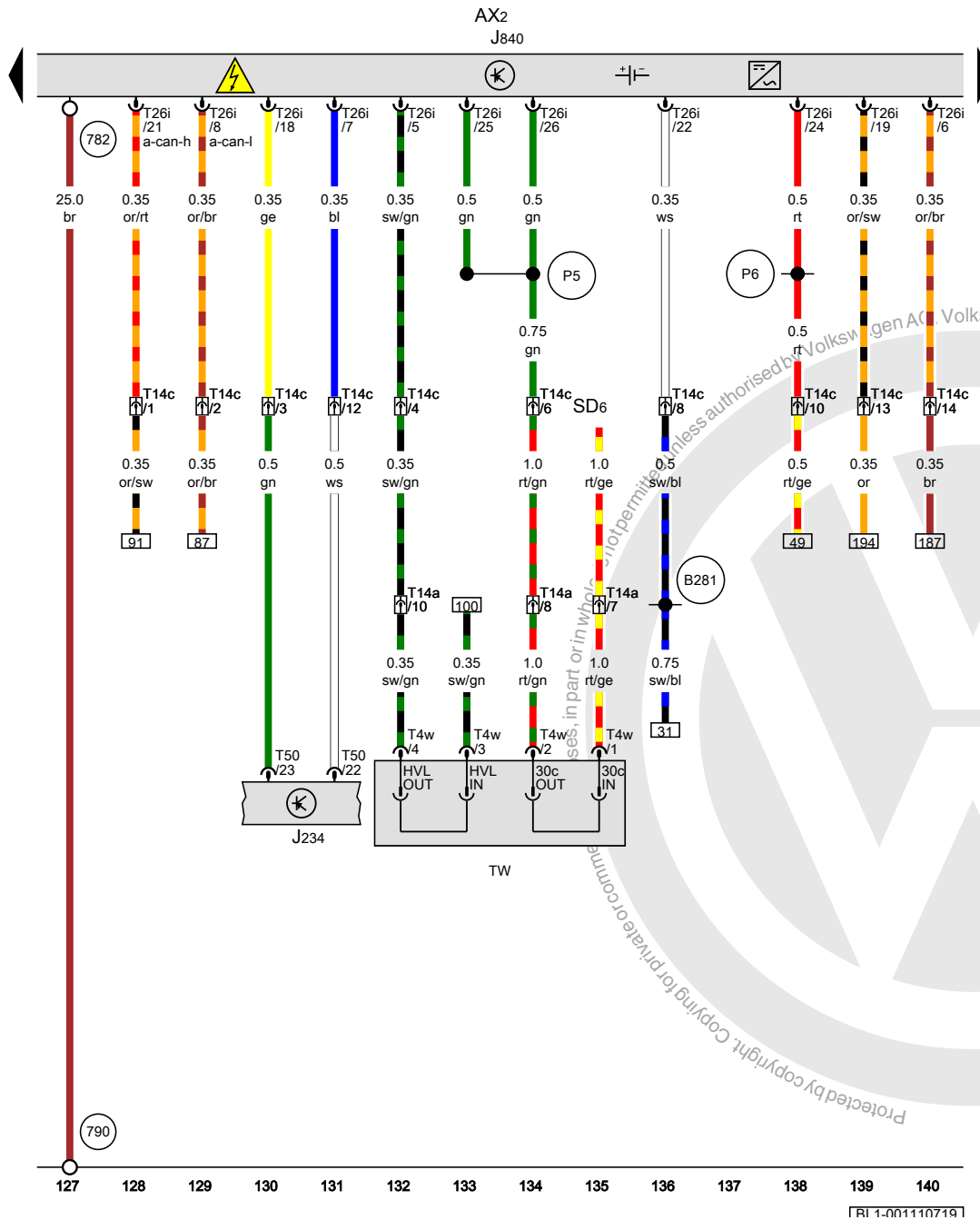


High-voltage battery 1, Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Battery regulation control unit, Electric drive control unit, Control unit for air conditioning compressor, Control unit for high-voltage battery charging unit, Electrical air conditioner compressor

- AX2 High-voltage battery 1
- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J840 Battery regulation control unit
- J841 Electric drive control unit
- J842 Control unit for air conditioning compressor
- J1050 Control unit for high-voltage battery charging unit
- T4x 4-pin connector
- T5j 5-pin connector
- T5k 5-pin connector
- T8e 8-pin connector
- T14c 14-pin connector
- V470 Electrical air conditioner compressor

- 127 Earth connection 1, in air conditioning system compressor wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- \* High-voltage wire for electrical air conditioner compressor (P3)
- \*2 High-voltage wiring harness for high-voltage battery (PX1)

ws = white  
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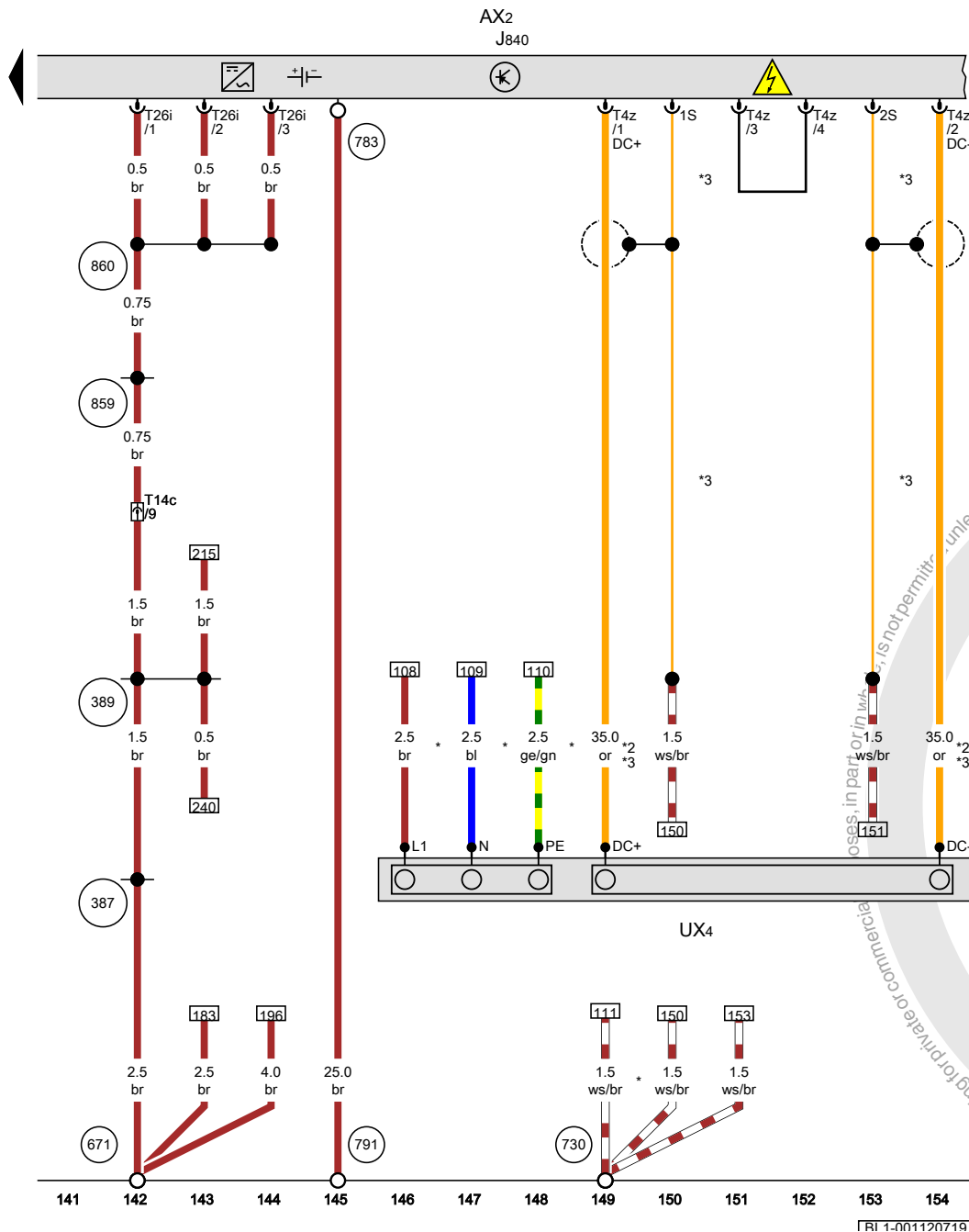


High-voltage battery 1, Battery regulation control unit,  
Maintenance connector for high-voltage system

- AX2 High-voltage battery 1
- J234 Airbag control unit
- J840 Battery regulation control unit
- SD6 Fuse 6 on fuse holder D
- T4w 4-pin connector
- T14a 14-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T50 50-pin connector
- TW Maintenance connector for high-voltage system

- 782 Earth point 1, on high-voltage battery
- 790 Earth point on front left of underbody
- B281 Positive connection 5 (15a) in main wiring harness
- P5 Positive connection 1, in high-voltage battery wiring harness
- P6 Positive connection 2, in high-voltage battery wiring harness

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# High-voltage battery 1, Battery regulation control unit, High-voltage battery charging socket 1

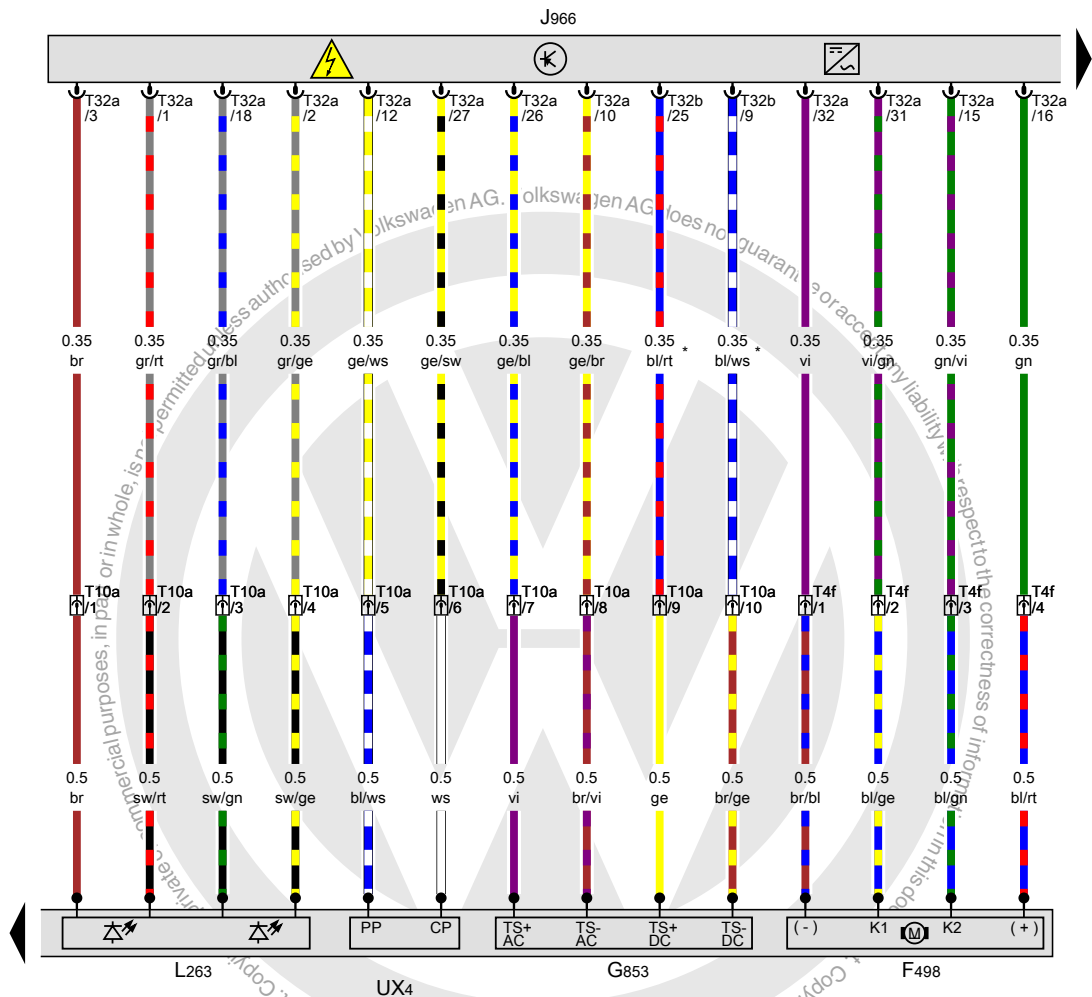
- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- T4z 4-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- UX4 High-voltage battery charging socket 1

- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 730 Earth point 1, on right rear wheel housing
- 783 Earth point 2, on high-voltage battery
- 791 Earth point, on rear right of underbody
- 859 Earth connection 1, in high-voltage battery wiring harness
- 860 Earth connection 2, in high-voltage battery wiring harness
- \* High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)
- \*2 For models with combined AC and DC charging system
- \*3 High-voltage wire for high-voltage battery charging (P52)

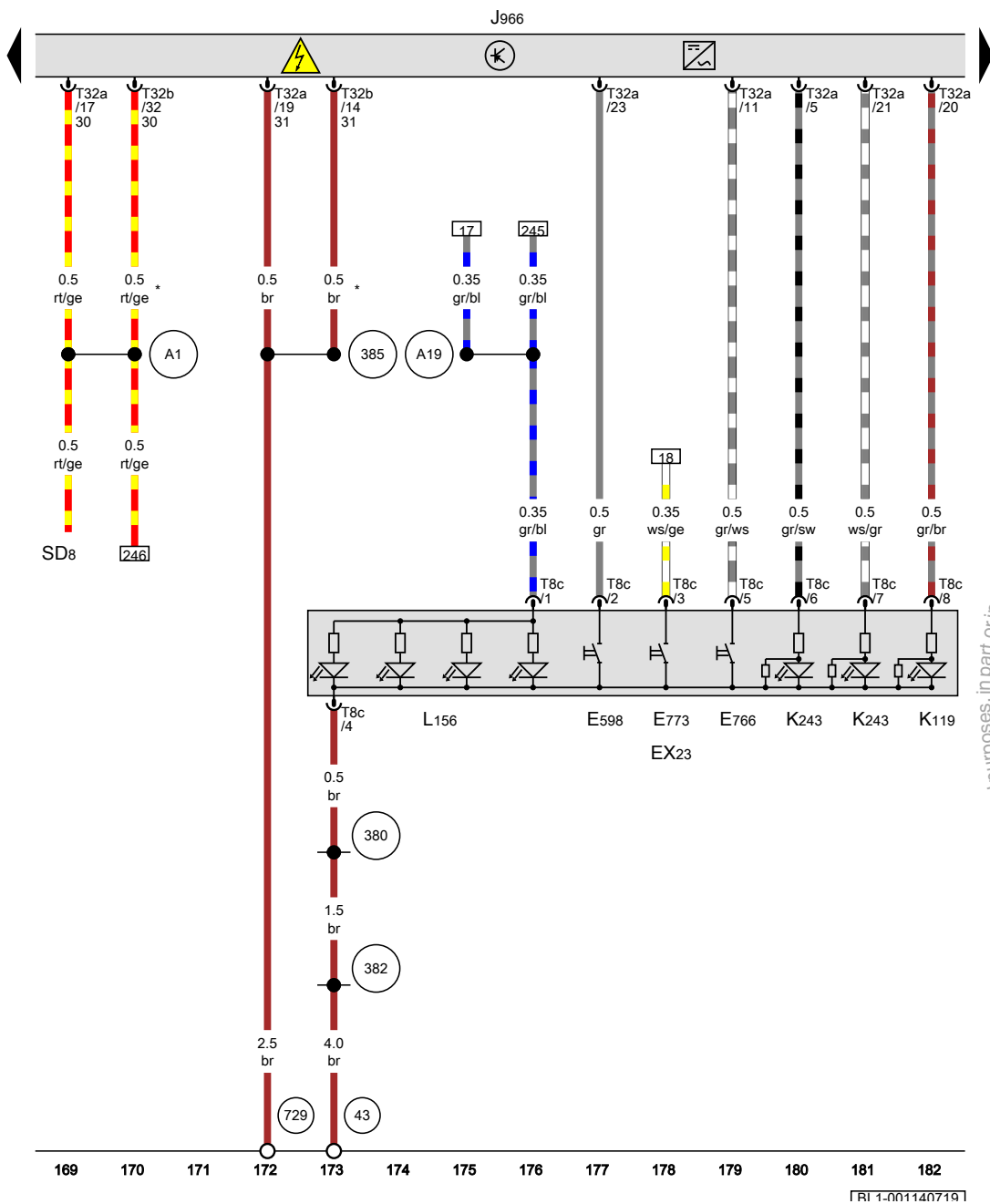
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Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- F498 Actuator for high-voltage charging socket lock 1
- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- L263 LED module for charging socket 1
- T4f 4-pin connector
- T10a 10-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- UX4 High-voltage battery charging socket 1
- \* For models with combined AC and DC charging system



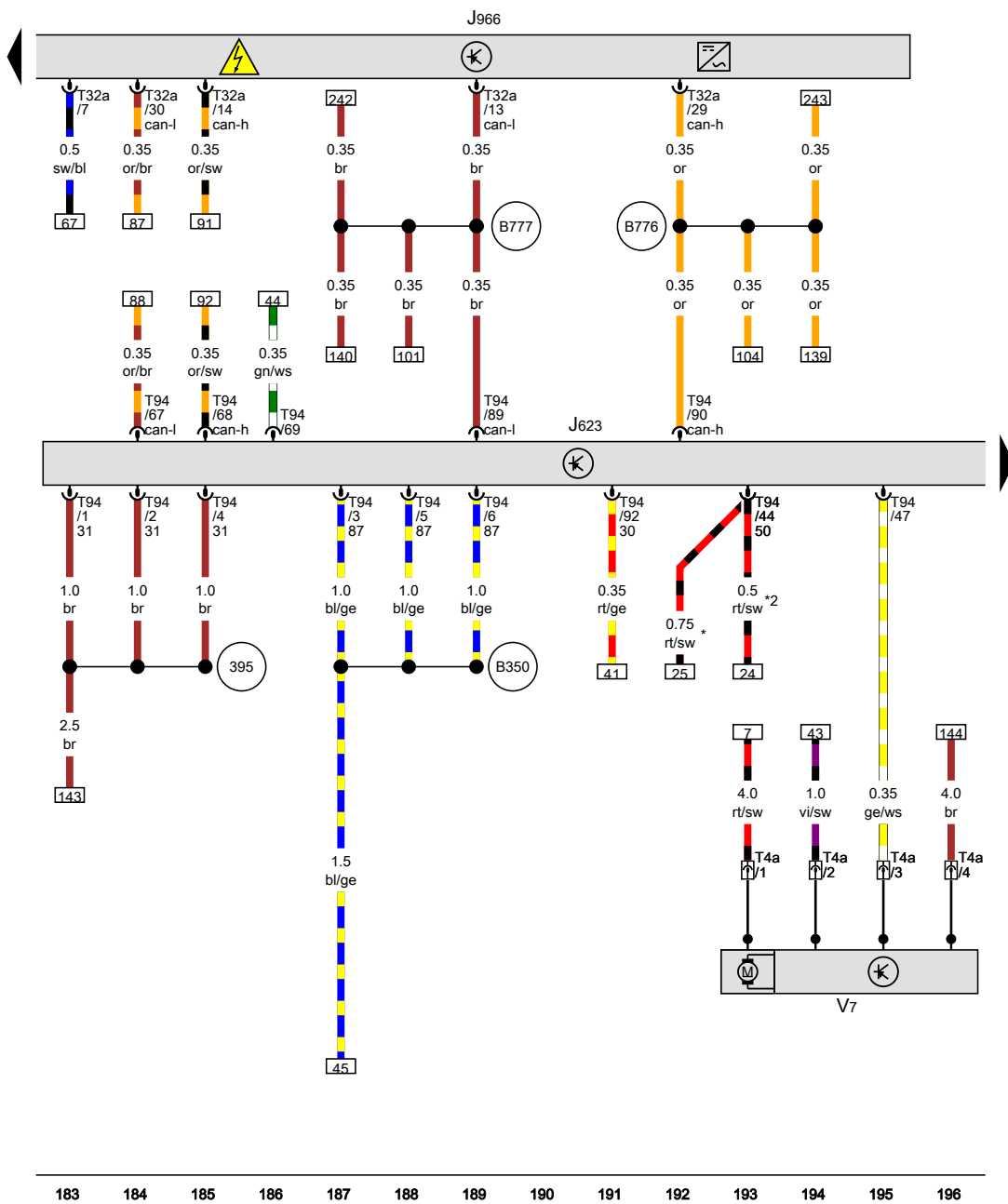
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# Switch module 1 in centre console, Charge voltage control unit for high-voltage battery

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E766 Immediate charge button
- E773 Button for emergency braking function
- J966 Charge voltage control unit for high-voltage battery
- K119 Charge air monitor warning lamp
- K243 Driving program warning light
- L156 Switch illumination bulb
- SD8 Fuse 8 on fuse holder D
- T8c 8-pin connector
- T32a 32-pin connector
- T32b 32-pin connector

- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- \* For models with combined AC and DC charging system



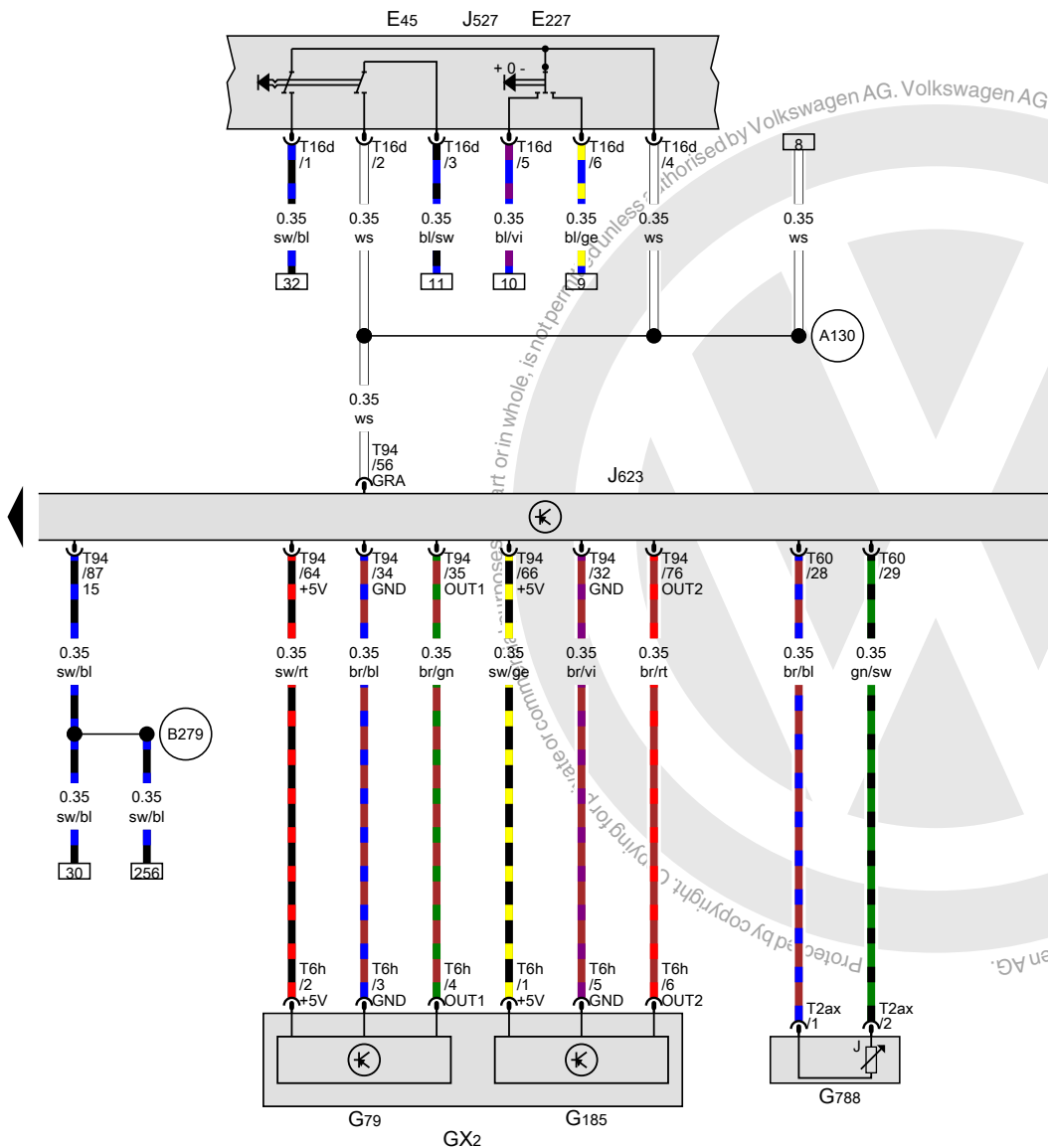
# Engine/motor control unit, Charge voltage control unit for high-voltage battery, Radiator fan

- J623 Engine/motor control unit
- J966 Charge voltage control unit for high-voltage battery
- T4a 4-pin connector
- T32a 32-pin connector
- T94 94-pin connector
- V7 Radiator fan

- 395 Earth connection 30, in main wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness

\* From November 2013  
\*2 Up to November 2013

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Cruise control system switch, Cruise control system (CCS) SET button, Accelerator pedal module, Temperature sender after electric drive motor, Steering column electronics control unit, Engine/motor control unit

- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G788 Temperature sender after electric drive motor
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T2ax 2-pin connector
- T6h 6-pin connector
- T16d 16-pin connector
- T60 60-pin connector
- T94 94-pin connector

A130 Connection (CCS), in dash panel wiring harness

B279 Positive connection 3 (15a) in main wiring harness

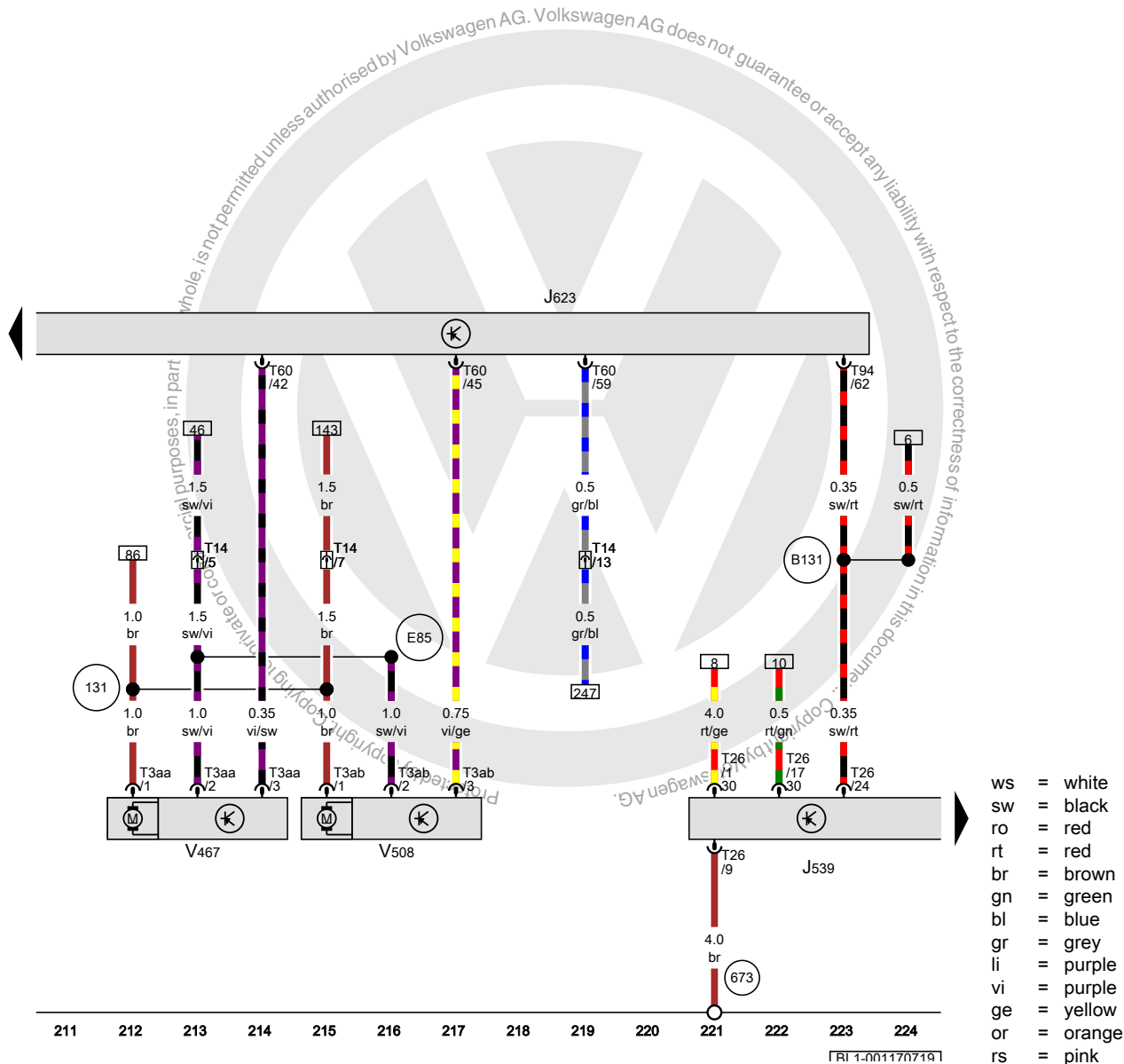
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Brake servo control unit, Engine/motor control unit, Coolant pump for high-temperature circuit, Coolant circulation pump before power and control electronics for electric drive

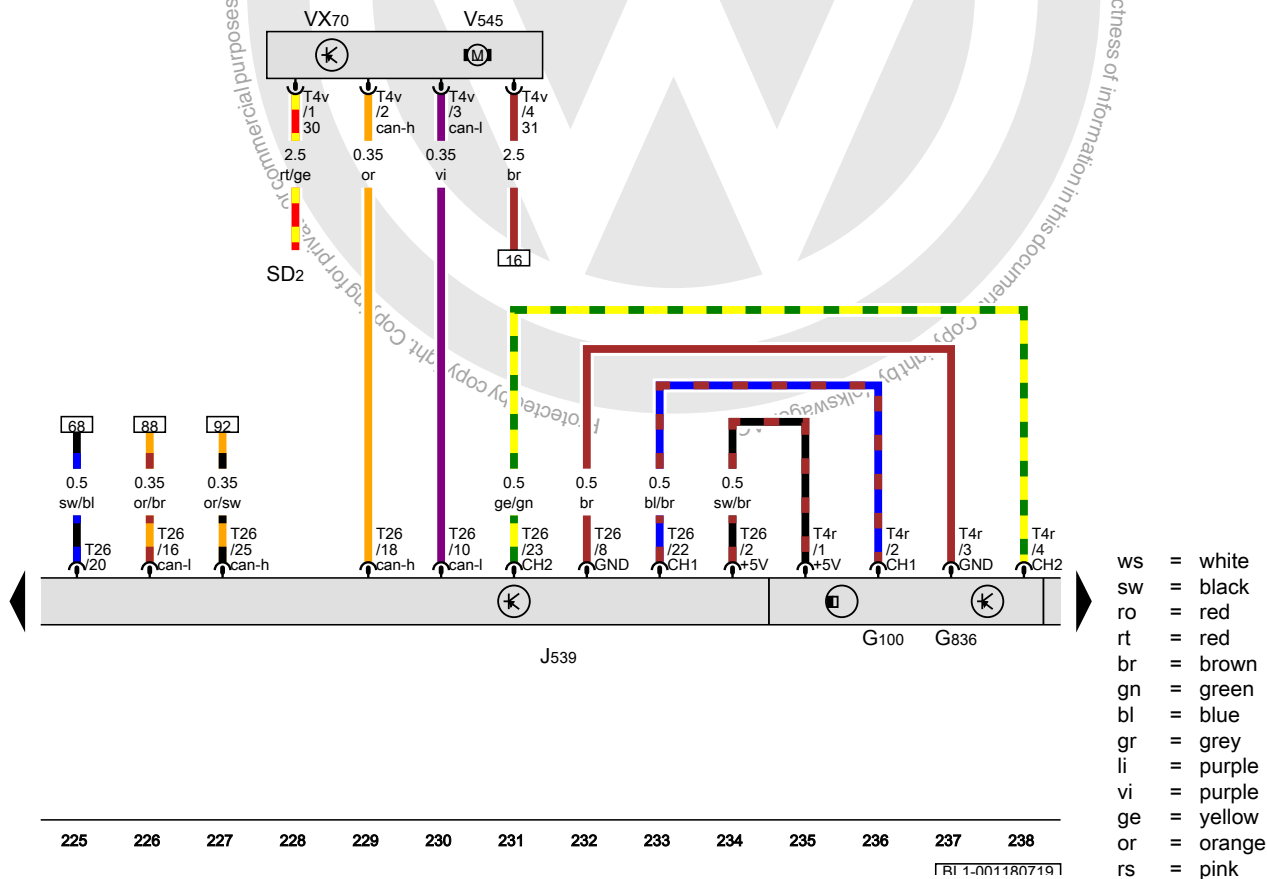
- J539 Brake servo control unit
- J623 Engine/motor control unit
- T3aa 3-pin connector
- T3ab 3-pin connector
- T14 14-pin connector
- T26 26-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V467 Coolant pump for high-temperature circuit
- V508 Coolant circulation pump before power and control electronics for electric drive

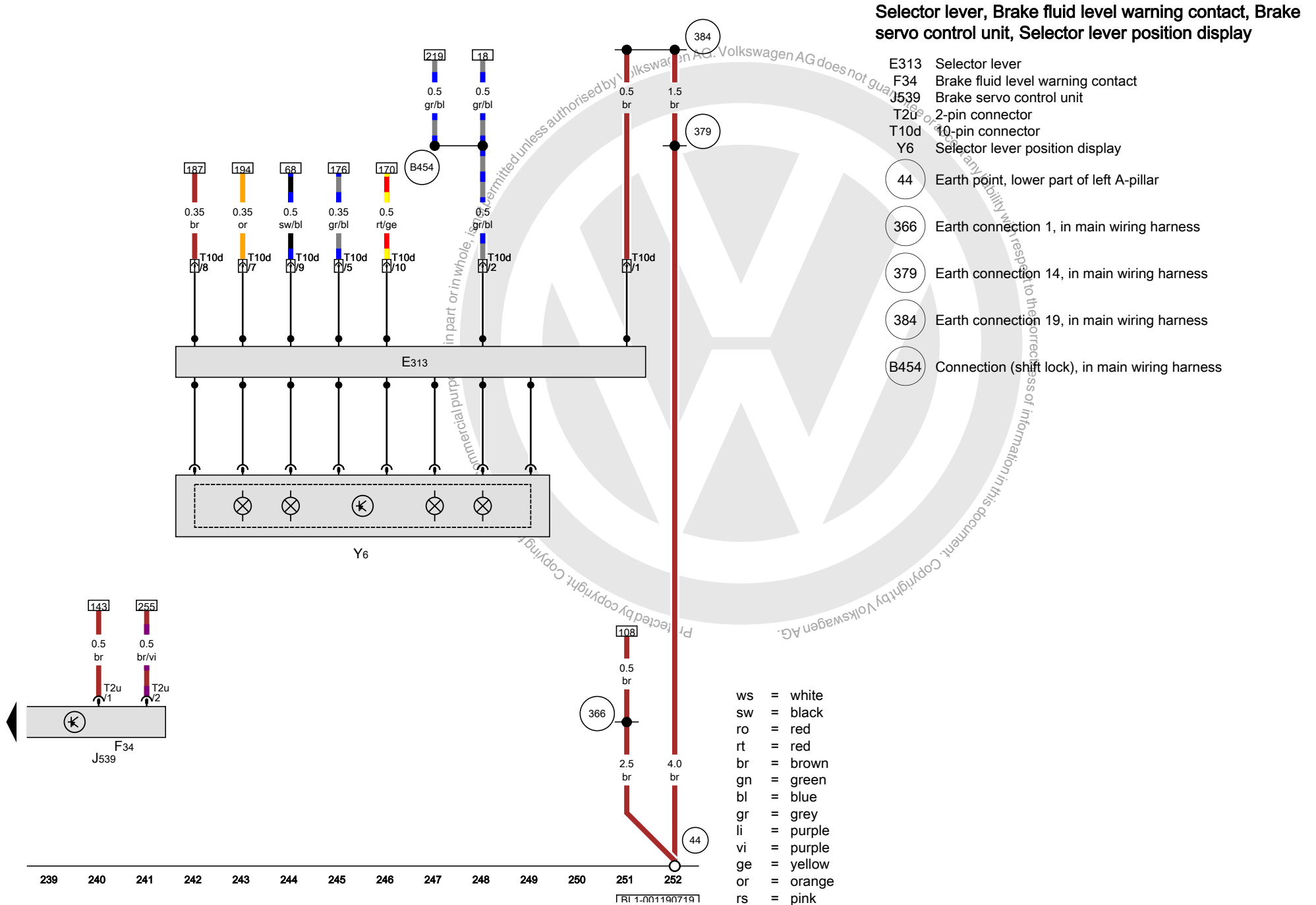
- 131 Earth connection 2, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- B131 Connection (54), in interior wiring harness
- E85 Connection 9 (87a) in engine wiring harness



Brake pedal position sender, Brake servo control unit, Brake system pressure accumulator

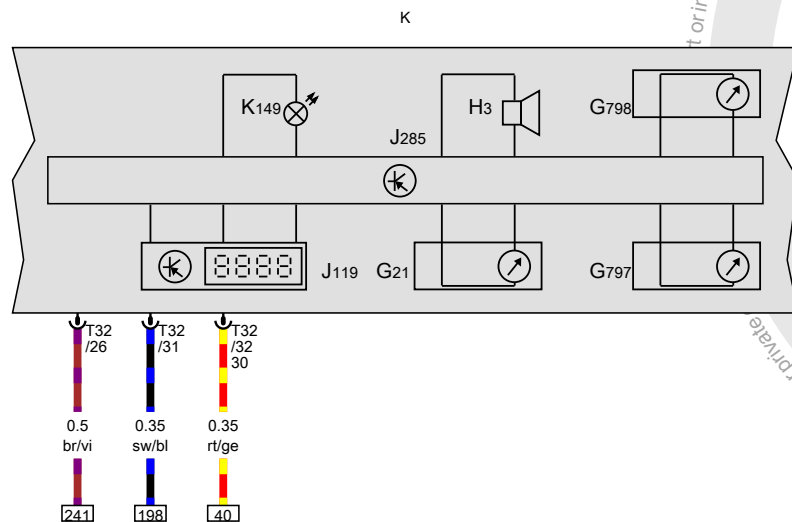
- G100 Brake pedal position sender
- G836 Brake pedal position sender 2
- J539 Brake servo control unit
- SD2 Fuse 2 on fuse holder D
- T4r 4-pin connector
- T4v 4-pin connector
- T26 26-pin connector
- VX70 Brake system pressure accumulator
- V545 Motor in brake pressure accumulator for energy recovery





Speedometer, Charge level display, Operating range display, Multifunction indicator, Control unit in dash panel insert, Dash panel insert

- G21 Speedometer
- G797 Charge level display
- G798 Operating range display
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K149 Engine electronics warning lamp
- T32 32-pin connector



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

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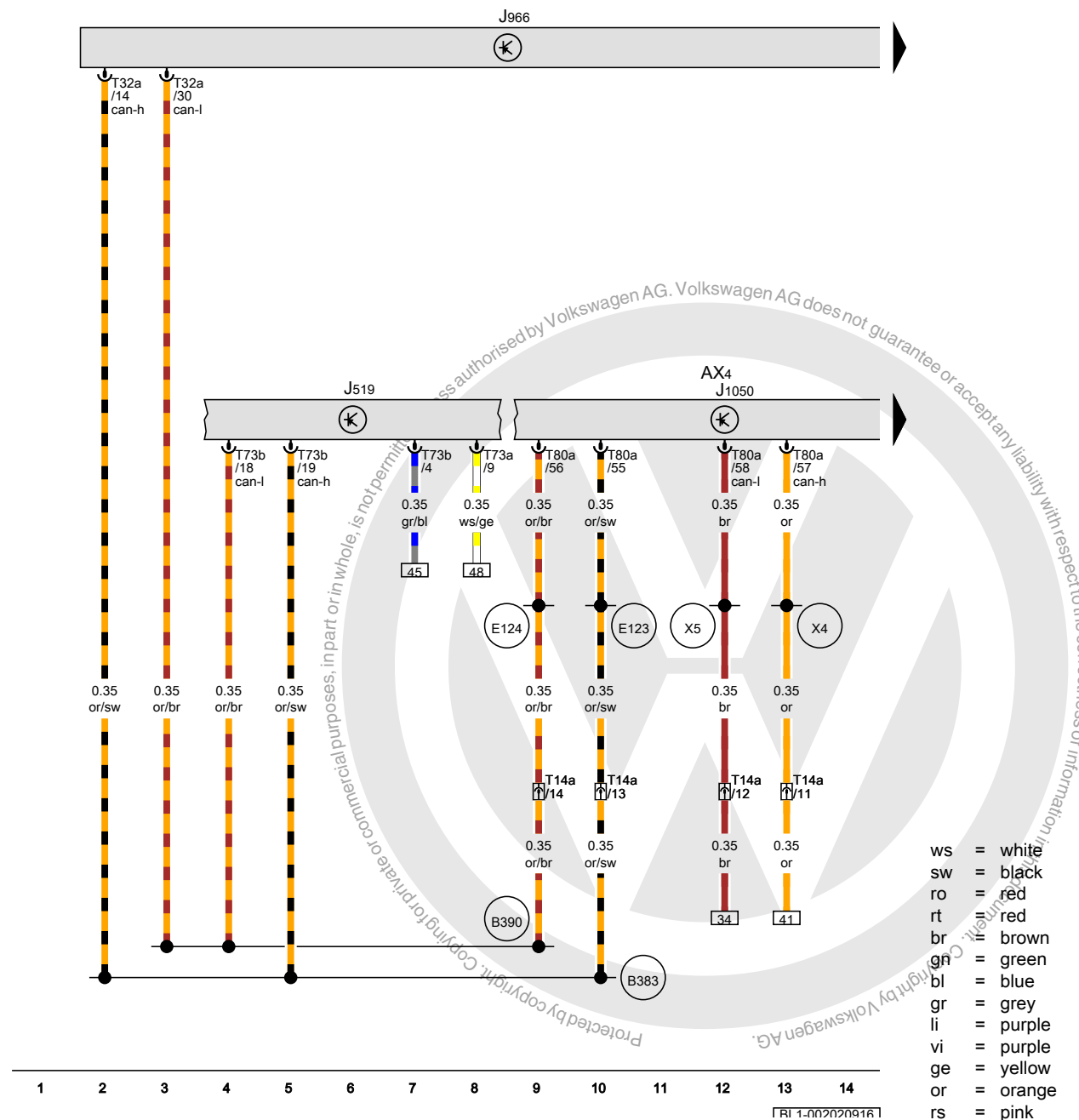
## Charging sockets for high-voltage system

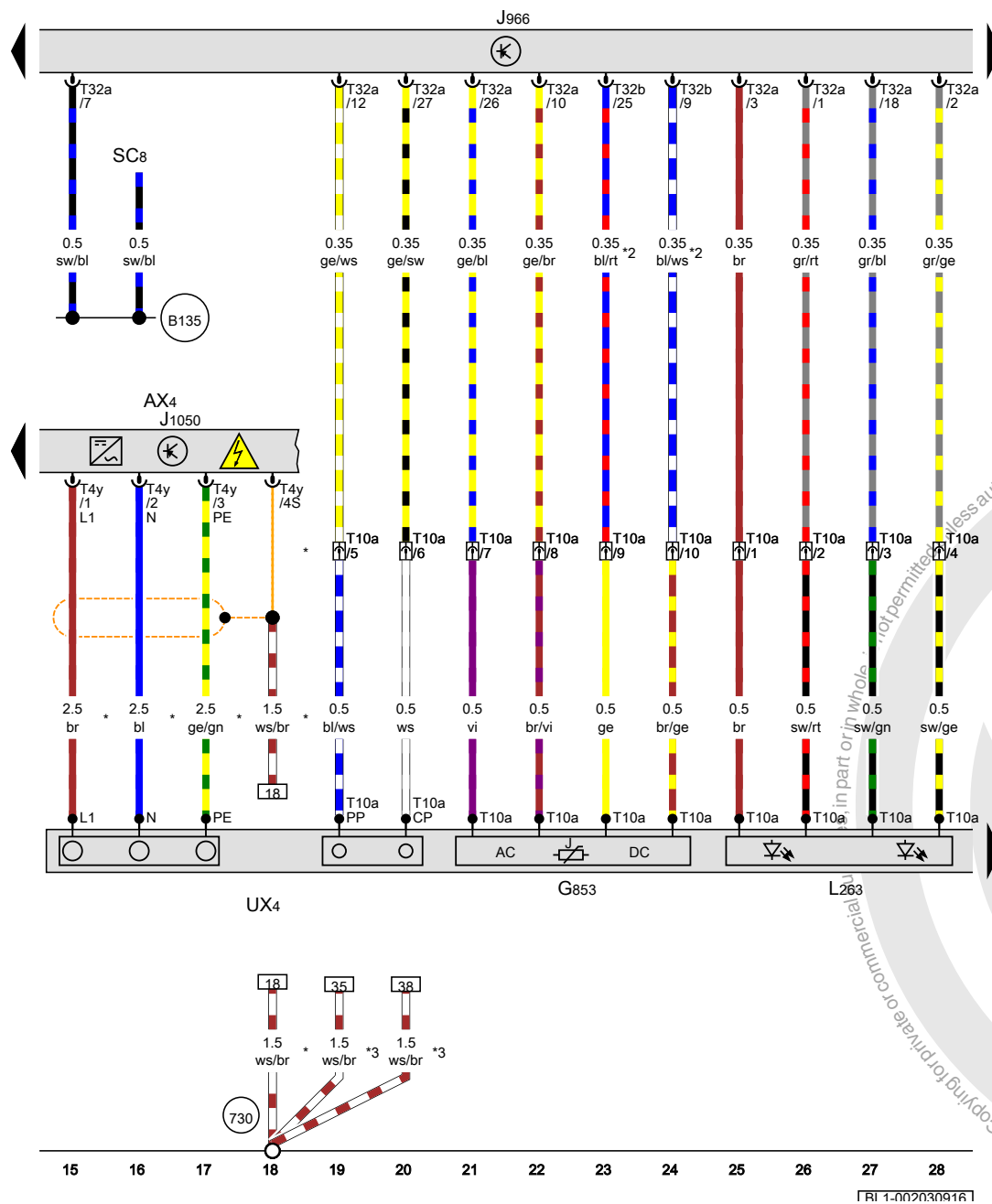
From July 2013



Charging unit 1 for high-voltage battery, Charge voltage control unit for high-voltage battery

- AX4 Charging unit 1 for high-voltage battery
- J519 Onboard supply control unit
- J966 Charge voltage control unit for high-voltage battery
- J1050 Control unit for high-voltage battery charging unit
- T14a 14-pin connector
- T32a 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T80a 80-pin connector
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- E123 Connection 1 (powertrain CAN bus, high), in engine wiring harness
- E124 Connection 1 (powertrain CAN bus, low), in engine 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





Charging unit 1 for high-voltage battery, Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

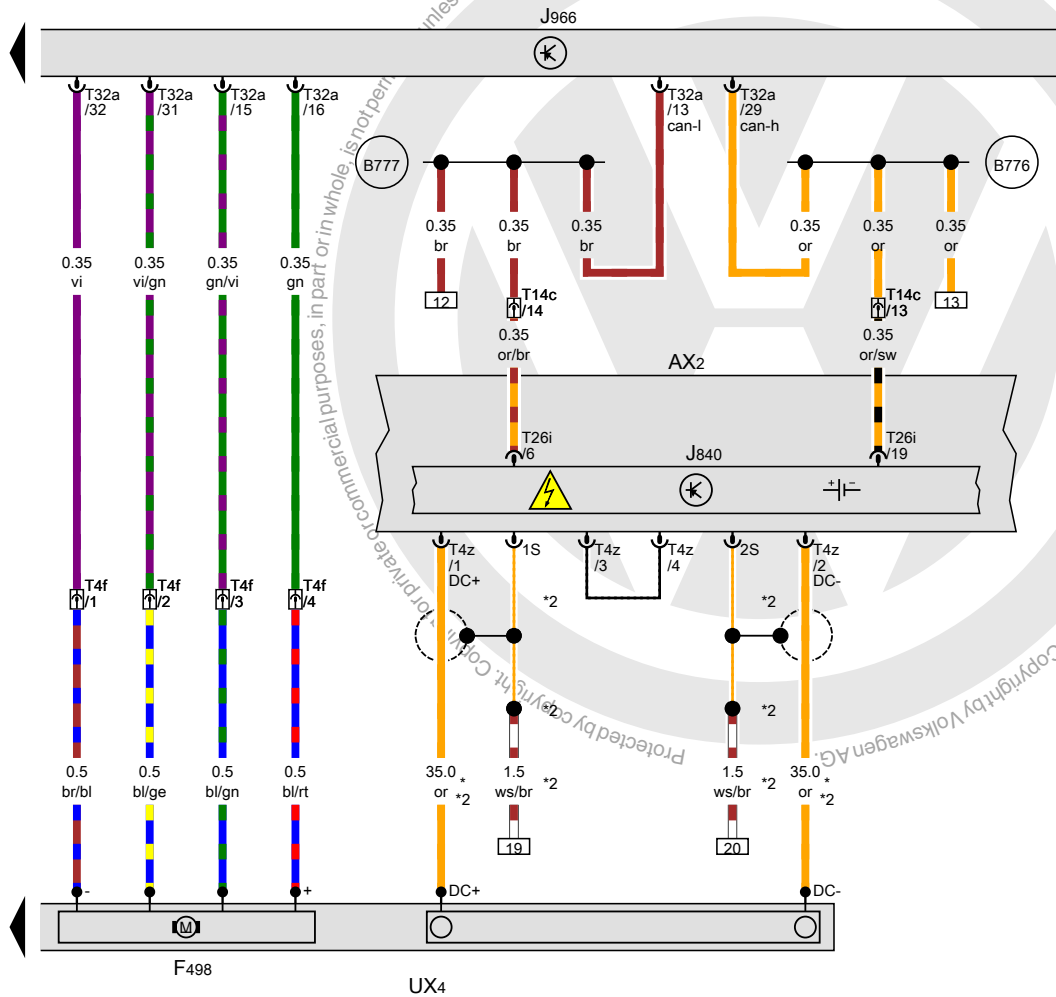
- AX4 Charging unit 1 for high-voltage battery
- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- J1050 Control unit for high-voltage battery charging unit
- L263 LED module for charging socket 1
- SC8 Fuse 8 on fuse holder C
- T4y 4-pin connector
- T10a 10-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- UX4 High-voltage battery charging socket 1

730 Earth point 1, on right rear wheel housing

B135 Connection 1 (15a), in interior wiring harness

- \* High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)
- \*2 Only models with combined AC and DC charging system
- \*3 High-voltage wire for high-voltage battery charging (P52)

ws = white  
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### Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- AX2 High-voltage battery 1
- F498 Actuator for high-voltage charging socket lock 1
- J840 Battery regulation control unit
- J966 Charge voltage control unit for high-voltage battery
- T4f 4-pin connector
- T4z 4-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T32a 32-pin connector
- UX4 High-voltage battery charging socket 1

B776 Connection 1 (hybrid CAN bus, high) in main wiring harness

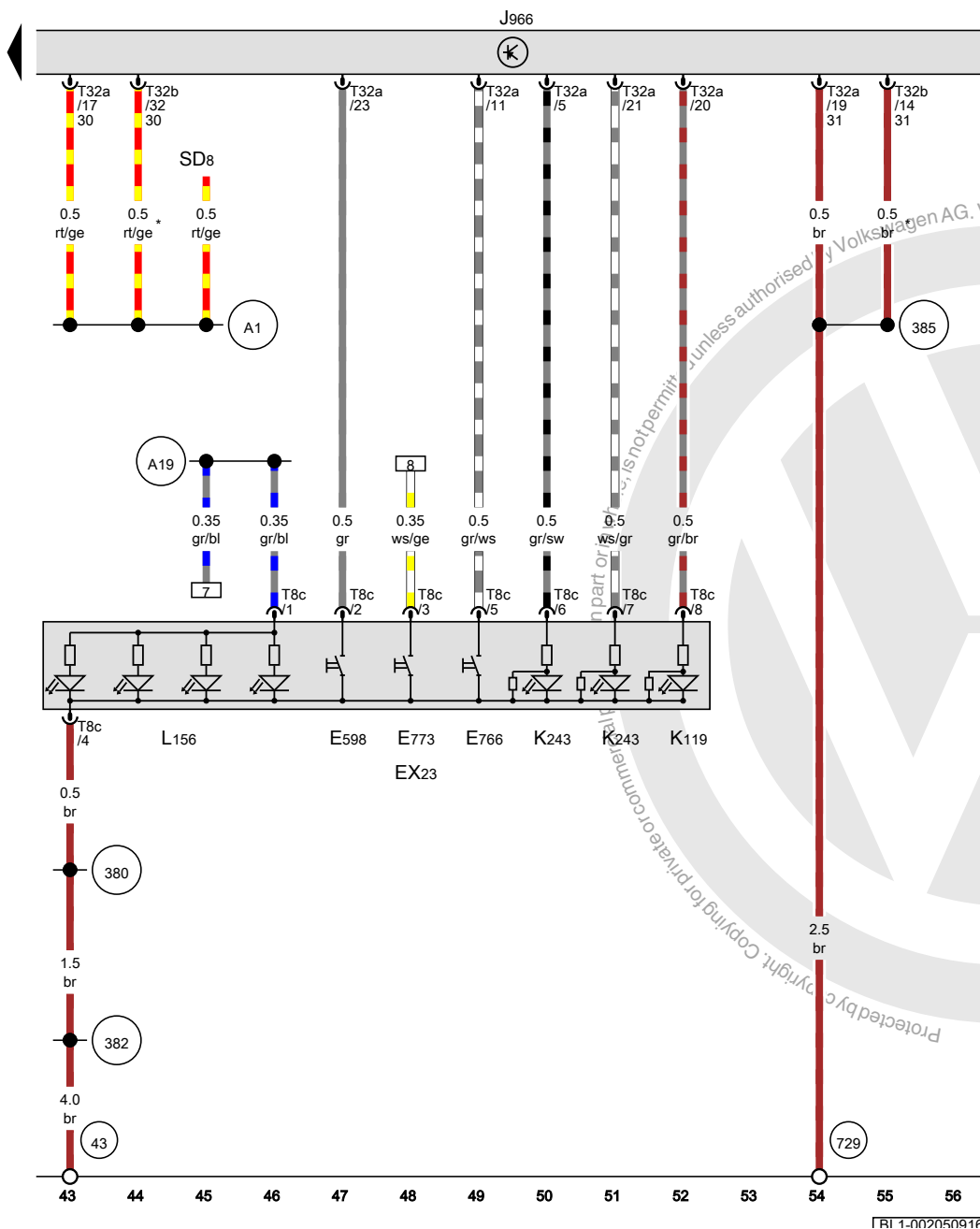
B777 Connection 1 (hybrid CAN bus, low) in main wiring harness

- \* Only models with combined AC and DC charging system
- \*2 High-voltage wire for high-voltage battery charging (P52)

- ws = white
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Switch module 1 in centre console, Charge voltage control unit for high-voltage battery

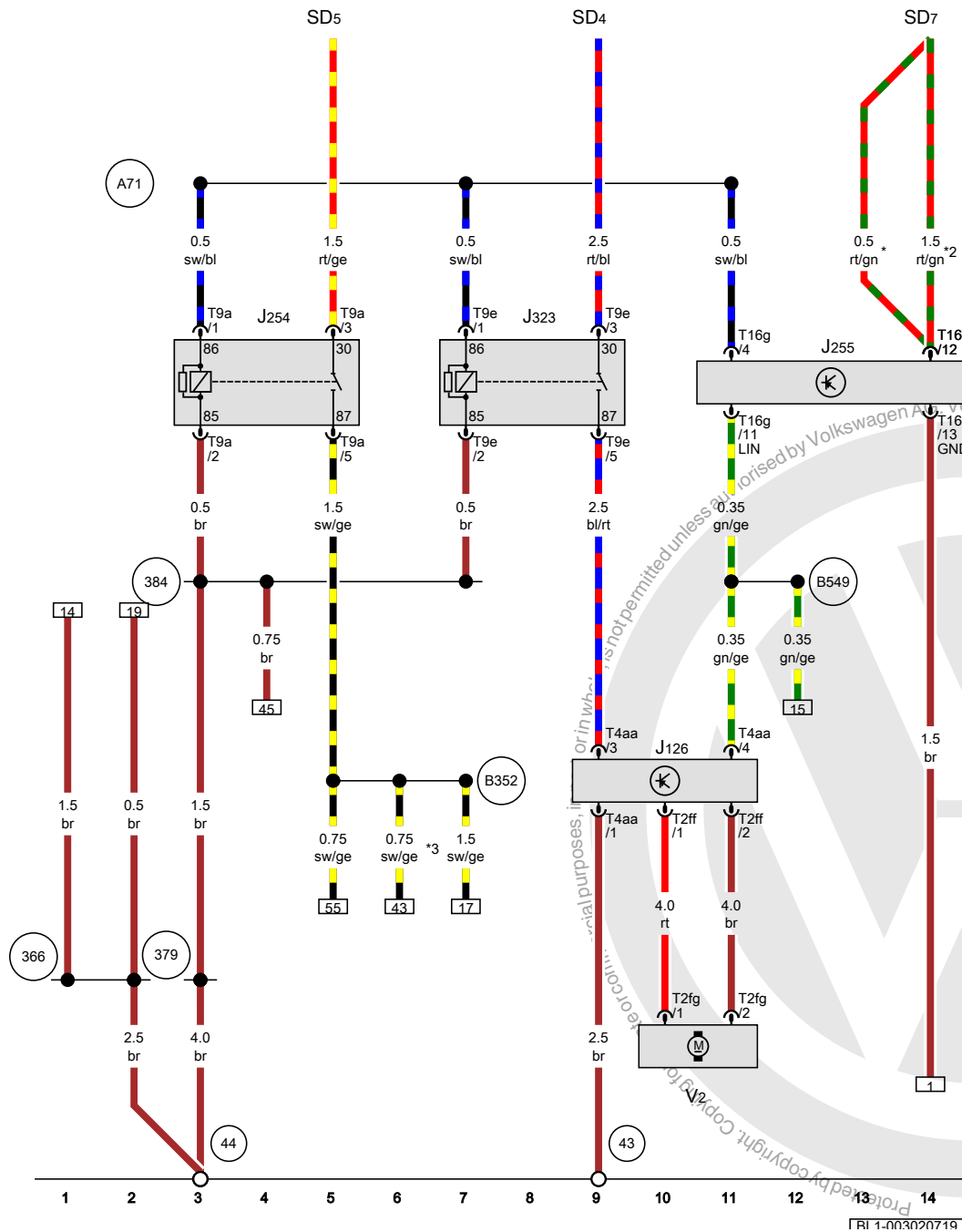


- EX23 Switch module 1 in centre console
- E598 Driving program button
- E766 Immediate charge button
- E773 Button for emergency braking function
- J966 Charge voltage control unit for high-voltage battery
- K119 Charge air monitor warning light
- K243 Driving program warning light
- L156 Switch illumination bulb
- SD8 Fuse 8 on fuse holder D
- T8c 8-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- \* Only models with combined AC and DC charging system

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**Climatronic**  
From July 2013





Fresh air blower control unit, Climatronic relay, Climatronic control unit, Blower relay

- J126 Fresh air blower control unit
- J254 Climatronic relay
- J255 Climatronic control unit
- J323 Blower relay
- SD4 Fuse 4 on fuse holder D
- SD5 Fuse 5 on fuse holder D
- SD7 Fuse 7 on fuse holder D
- T2ff 2-pin connector, black
- T2fg 2-pin connector, black
- T4aa 4-pin connector
- T9a 9-pin connector
- T9e 9-pin connector
- T16g 16-pin connector, black
- V2 Fresh air blower

- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- A71 Connection (86), in dash panel wiring harness
- B352 Positive connection 3 (87a) in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness

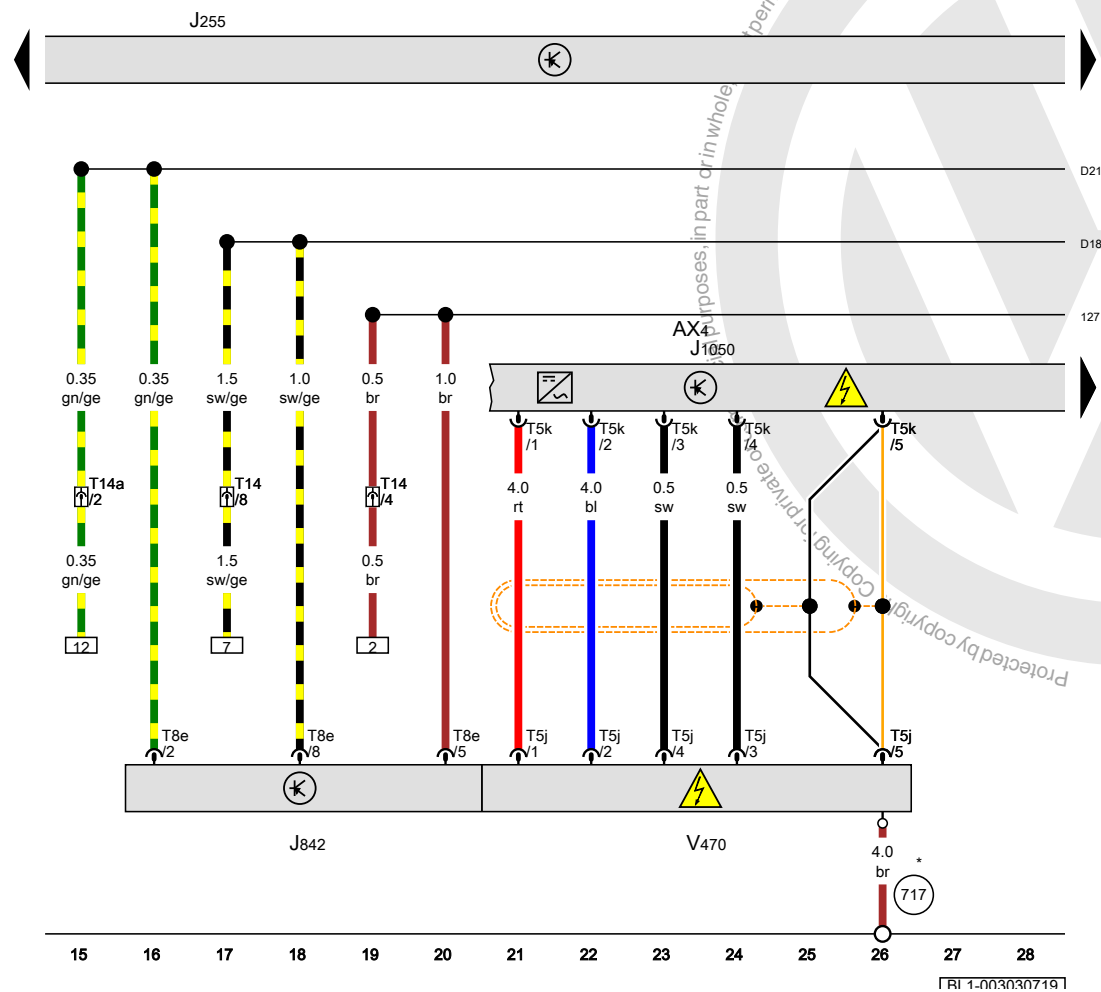
- \* From November 2013
- \*2 Up to November 2013
- \*3 Up to August 2016

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

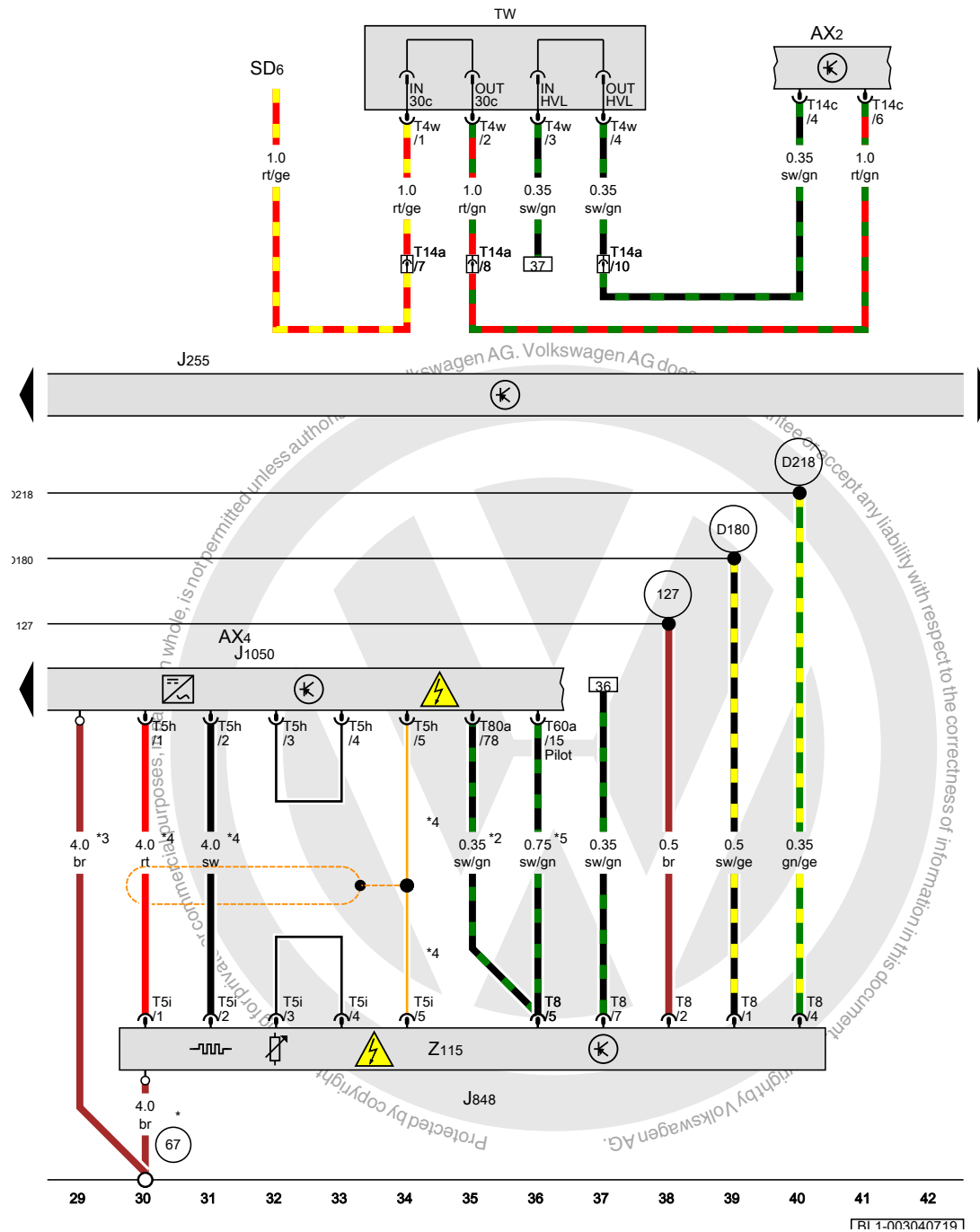
Climatronic control unit, Control unit for air conditioning compressor, Control unit for high-voltage battery charging unit, Electrical air conditioner compressor

- AX4 Charging unit 1 for high-voltage battery
- J255 Climatronic control unit
- J842 Control unit for air conditioning compressor
- J1050 Control unit for high-voltage battery charging unit
- T5j 5-pin connector
- T5k 5-pin connector
- T8e 8-pin connector
- T14 14-pin connector
- T14a 14-pin connector
- V470 Electrical air conditioner compressor

- 127 Earth connection 1, in air conditioning system compressor wiring harness
- 717 Earth point on front right of cross member
- D180 Connection (87a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- \* Potential equalisation line for control unit for air conditioning compressor (P82)



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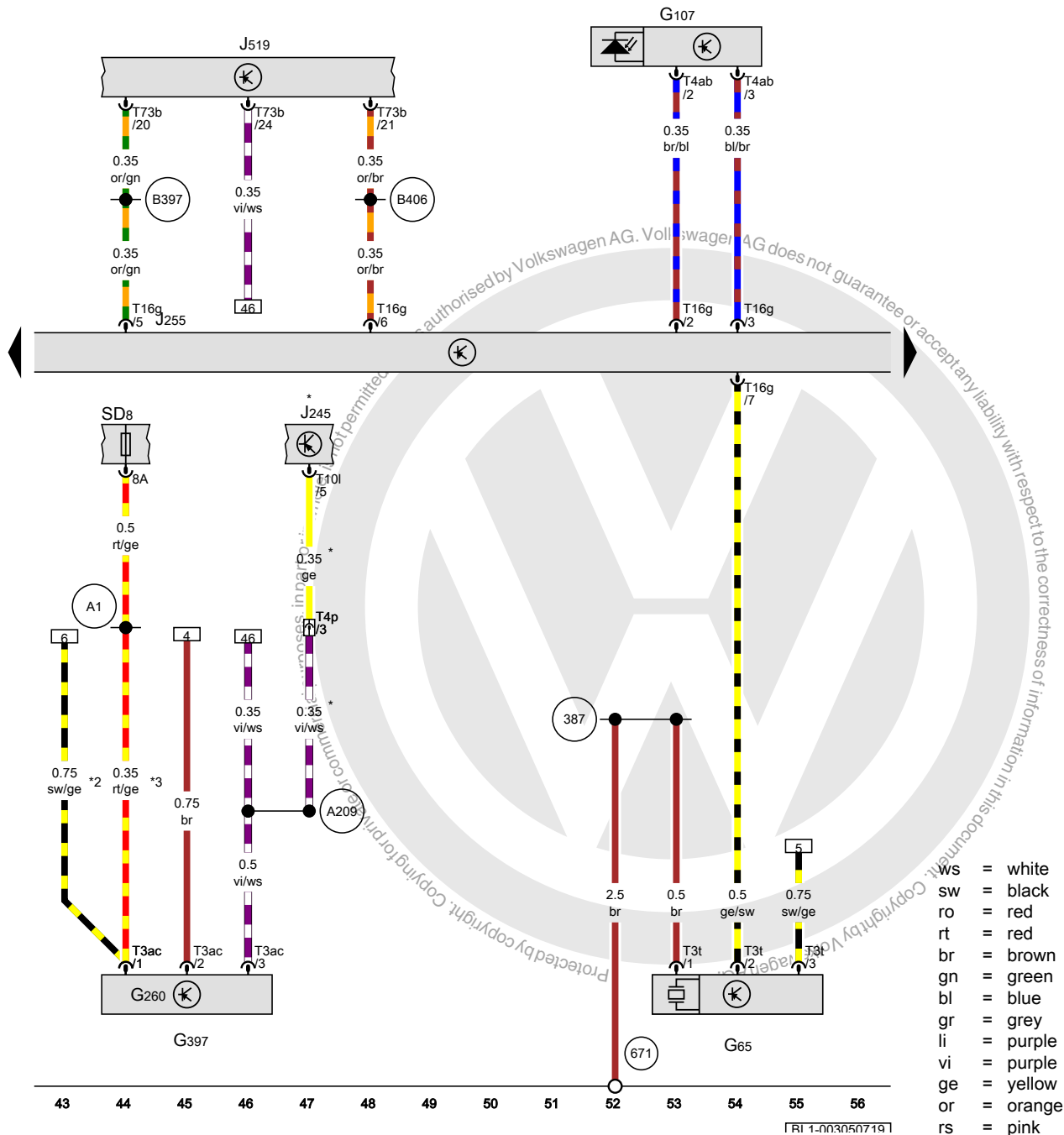


Climatronic control unit, High-voltage heater (PTC) control unit, Control unit for high-voltage battery charging unit, Maintenance connector for high-voltage system

- AX2 High-voltage battery 1
- AX4 Charging unit 1 for high-voltage battery
- J255 Climatronic control unit
- J848 High-voltage heater (PTC) control unit
- J1050 Control unit for high-voltage battery charging unit
- SD6 Fuse 6 on fuse holder D
- T4w 4-pin connector
- T5h 5-pin connector
- T5i 5-pin connector
- T8 8-pin connector
- T14a 14-pin connector
- T14c 14-pin connector
- T60a 60-pin connector, black
- T80a 80-pin connector
- TW Maintenance connector for high-voltage system
- Z115 High-voltage heater (PTC)

- (67) Earth point, on left of front cross member
- (127) Earth connection 1, in air conditioning system compressor wiring harness
- (D180) Connection (87a), in engine compartment wiring harness
- (D218) Connection 1 (LIN bus) in engine compartment wiring harness
- \* Potential equalisation line for high-voltage heater (PTC) (P84)
- \*2 Up to August 2019
- \*3 Potential equalisation line for charging unit 1 for high-voltage battery (P68)
- \*4 High-voltage wire for high-voltage heater (PTC) (P11)
- \*5 From August 2019

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 vi = purple  
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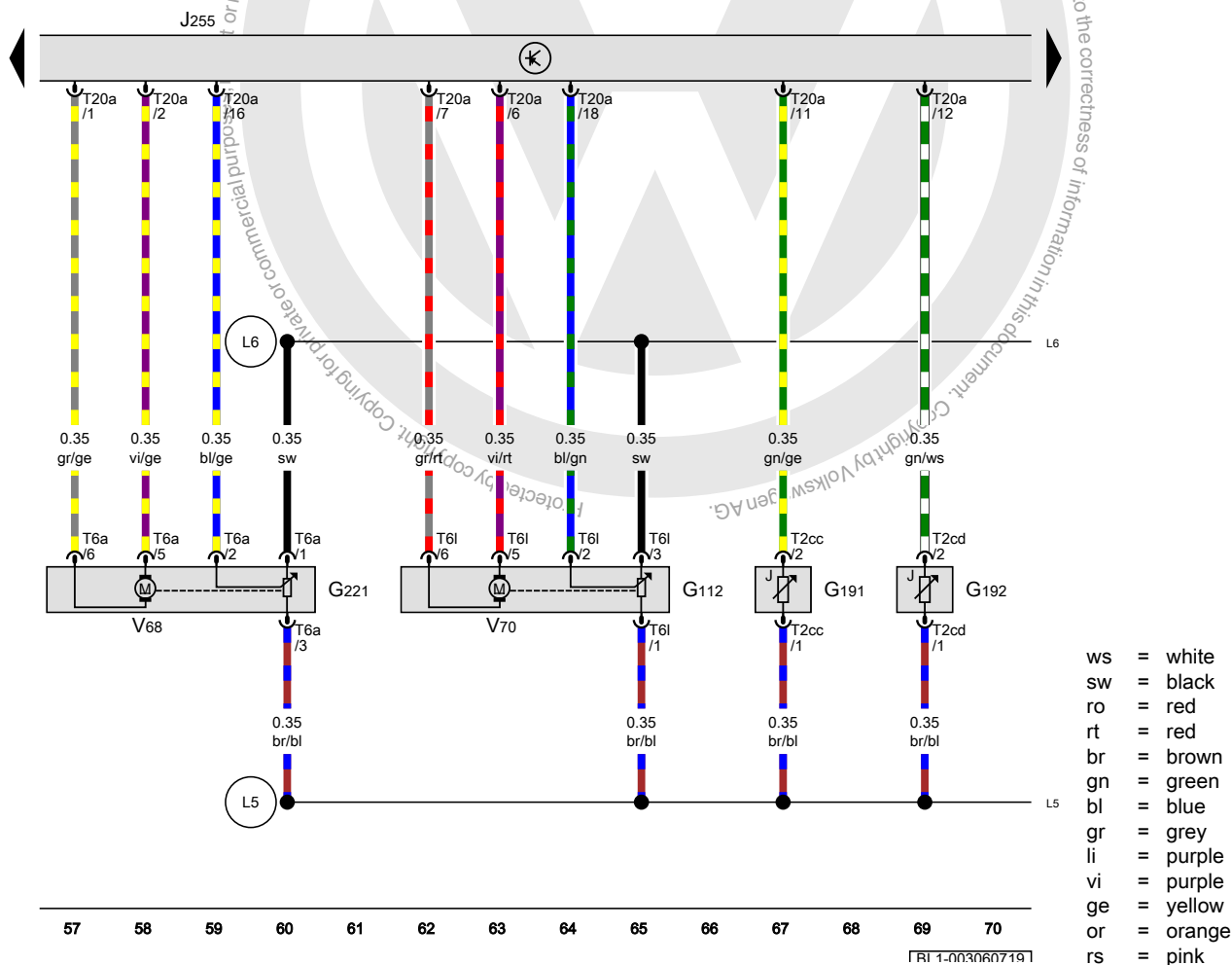
High-pressure sender, Sunlight penetration photosensor, Rain and light sensor, Climatronic control unit, Onboard supply control unit

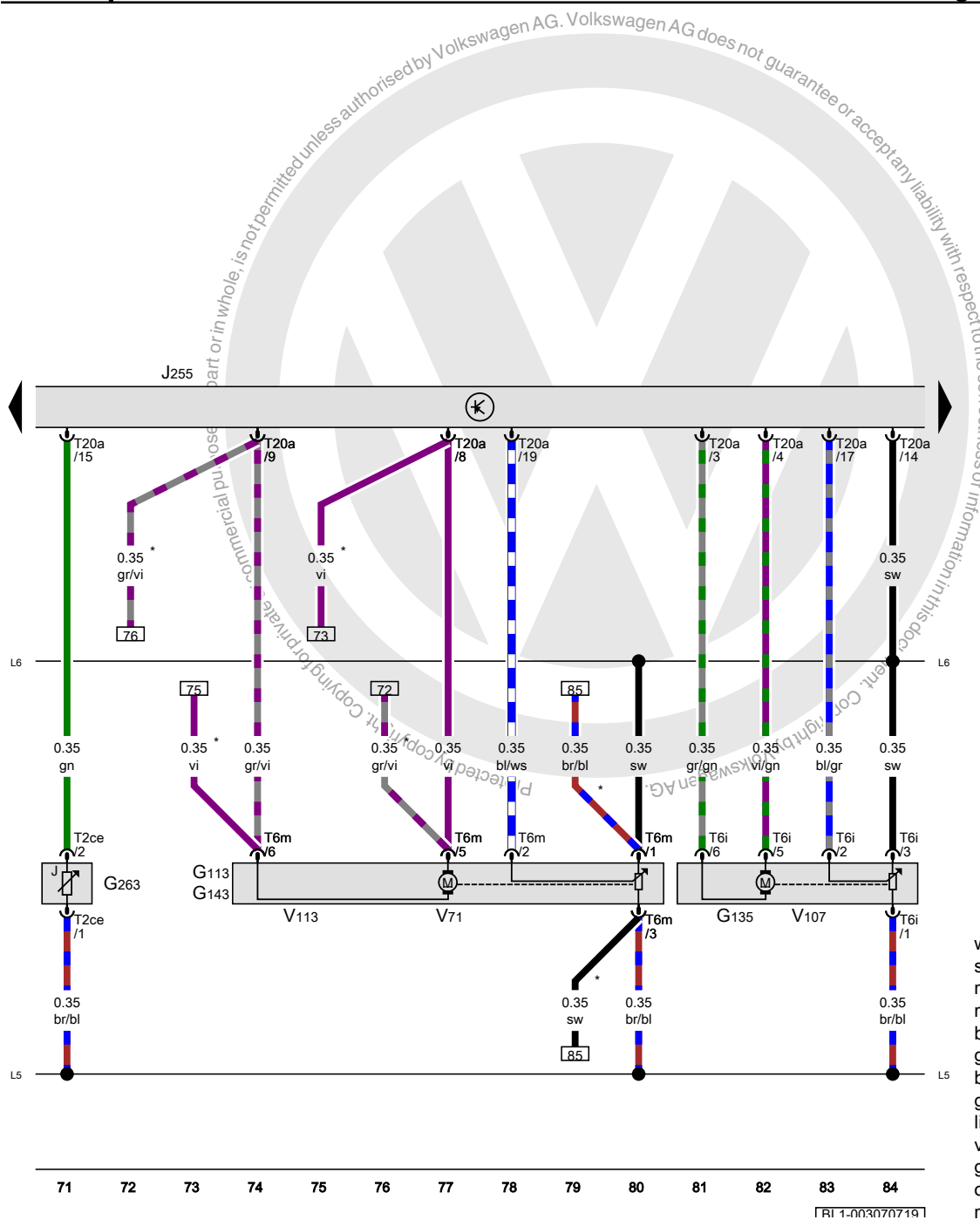
- G65 High-pressure sender
  - G107 Sunlight penetration photosensor
  - G260 Humidity sender for air conditioning system
  - G397 Rain and light sensor
  - J245 Sliding sunroof adjustment control unit
  - J255 Climatronic control unit
  - J519 Onboard supply control unit
  - SD8 Fuse 8 on fuse holder D
  - T3ac 3-pin connector
  - T3t 3-pin connector
  - T4ab 4-pin connector
  - T4p 4-pin connector
  - T10l 10-pin connector, black
  - T16g 16-pin connector, black
  - T73b 73-pin connector
- 387 Earth connection 22, in main wiring harness
  - 671 Earth point 1, on front of left longitudinal member
  - A1 Positive connection (30a), in dash panel wiring harness
  - A209 Connection 1 (LIN bus) 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
- \* Up to August 2019
  - \*2 Up to August 2016
  - \*3 From August 2016

Centre vent temperature sender, Footwell vent temperature sender, Climatronic control unit, Temperature flap control motor, Centre flap control motor

- G112 Potentiometer for centre flap control motor
- G191 Centre vent temperature sender
- G192 Footwell vent temperature sender
- G221 Potentiometer for right temperature flap control motor
- J255 Climatronic control unit
- T2cc 2-pin connector, black
- T2cd 2-pin connector, black
- T6a 6-pin connector, blue
- T6l 6-pin connector, blue
- T20a 20-pin connector, red
- V68 Temperature flap control motor
- V70 Centre flap control motor

- L5 Connection 1, in evaporator housing unit wiring harness
- L6 Connection 2, in evaporator housing unit wiring harness





Evaporator output temperature sender, Climatronic control unit, Air flow flap control motor, Defroster flap control motor, Air recirculation flap control motor

- G113 Potentiometer for air flow flap control motor
- G135 Potentiometer for defroster flap control motor
- G143 Potentiometer for air recirculation flap control motor
- G263 Evaporator output temperature sender
- J255 Climatronic control unit
- T2ce 2-pin connector, black
- T6i 6-pin connector, blue
- T6m 6-pin connector, blue
- T20a 20-pin connector, red
- V71 Air flow flap control motor
- V107 Defroster flap control motor
- V113 Air recirculation flap control motor

L5 Connection 1, in evaporator housing unit wiring harness

L6 Connection 2, in evaporator housing unit wiring harness

\* For right-hand drive models

- ws = white
- sw = black
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- bl = blue
- gr = grey
- li = purple
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**Climatronic control unit**

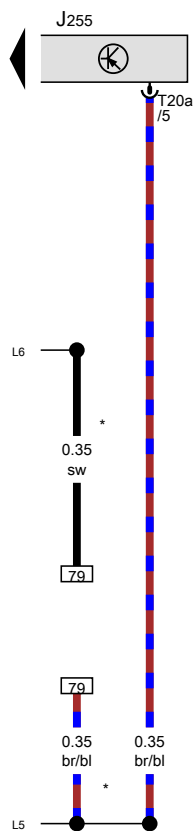
J255 Climatronic control unit

T20a 20-pin connector, red

L5 Connection 1, in evaporator housing unit wiring harness

L6 Connection 2, in evaporator housing unit wiring harness

\* For right-hand drive models



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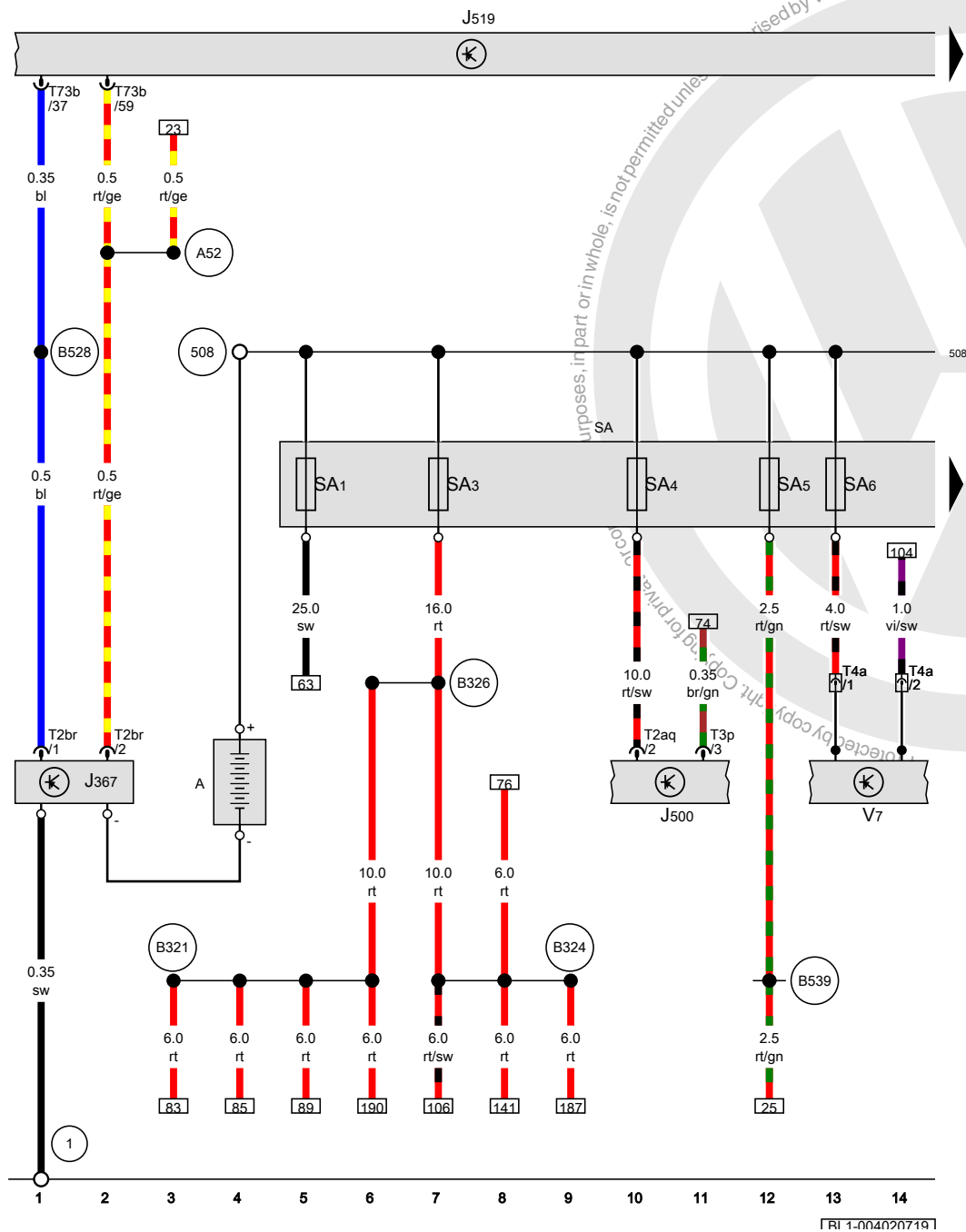
85 86 87 88 89 90 91 92 93 94 95 96 97 98

[1-003080719]

## Fuse assignment

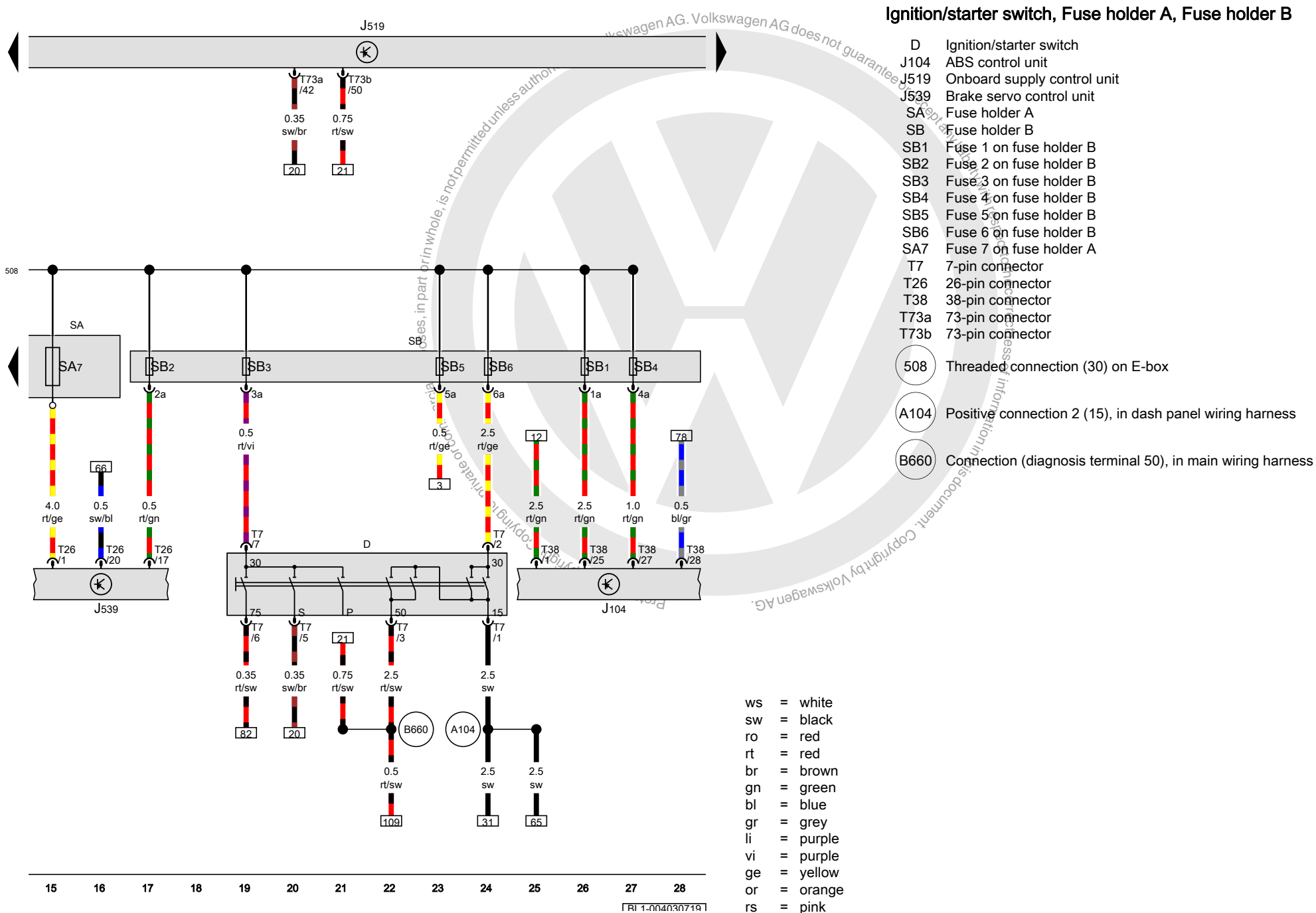
From July 2013





Battery, Battery monitor control unit, Fuse holder A

- A Battery
- J367 Battery monitor control unit
- J500 Power steering control unit
- J519 Onboard supply control unit
- SA Fuse holder A
- SA1 Fuse 1 on fuse holder A
- SA3 Fuse 3 on fuse holder A
- SA4 Fuse 4 on fuse holder A
- SA5 Fuse 5 on fuse holder A
- SA6 Fuse 6 on fuse holder A
- T2aq 2-pin connector
- T2br 2-pin connector
- T3p 3-pin connector
- T4a 4-pin connector, on radiator fan
- T73b 73-pin connector
- V7 Radiator fan
- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A52 Positive connection 2 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B324 Positive connection 10 (30a) in main wiring harness
- B326 Positive connection 12 (30a) in main wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- B539 Connection 30, in main wiring harness



Fuse holder C

- E4 Headlight dipper and flasher switch
- E5 Headlight flasher switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- J285 Control unit in dash panel insert
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- K Dash panel insert
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- T10l 10-pin connector
- T16 16-pin connector
- T16d 16-pin connector
- T32 32-pin connector
- T73a 73-pin connector

A2 Positive connection (15), in dash panel wiring harness

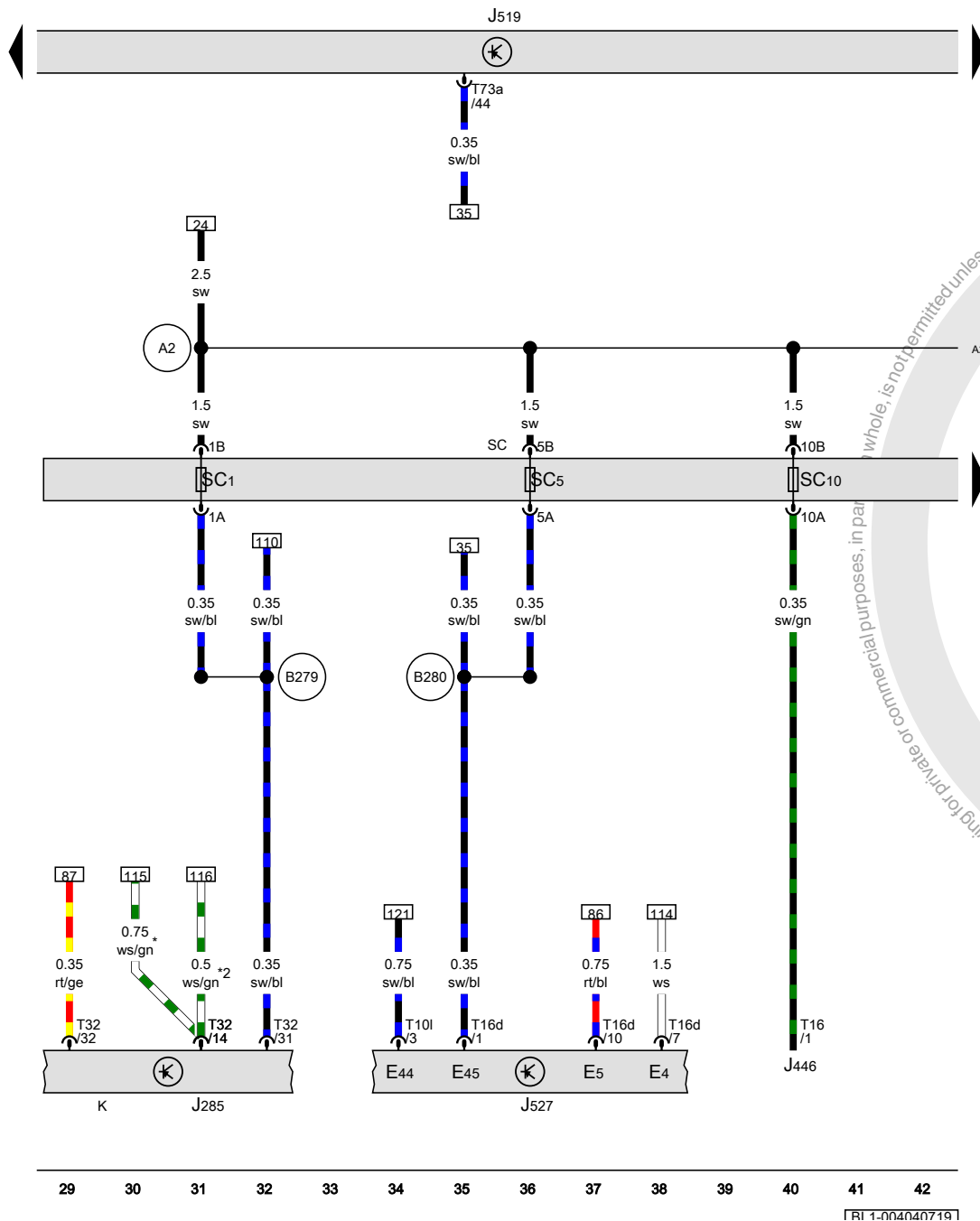
B279 Positive connection 3 (15a) in main wiring harness

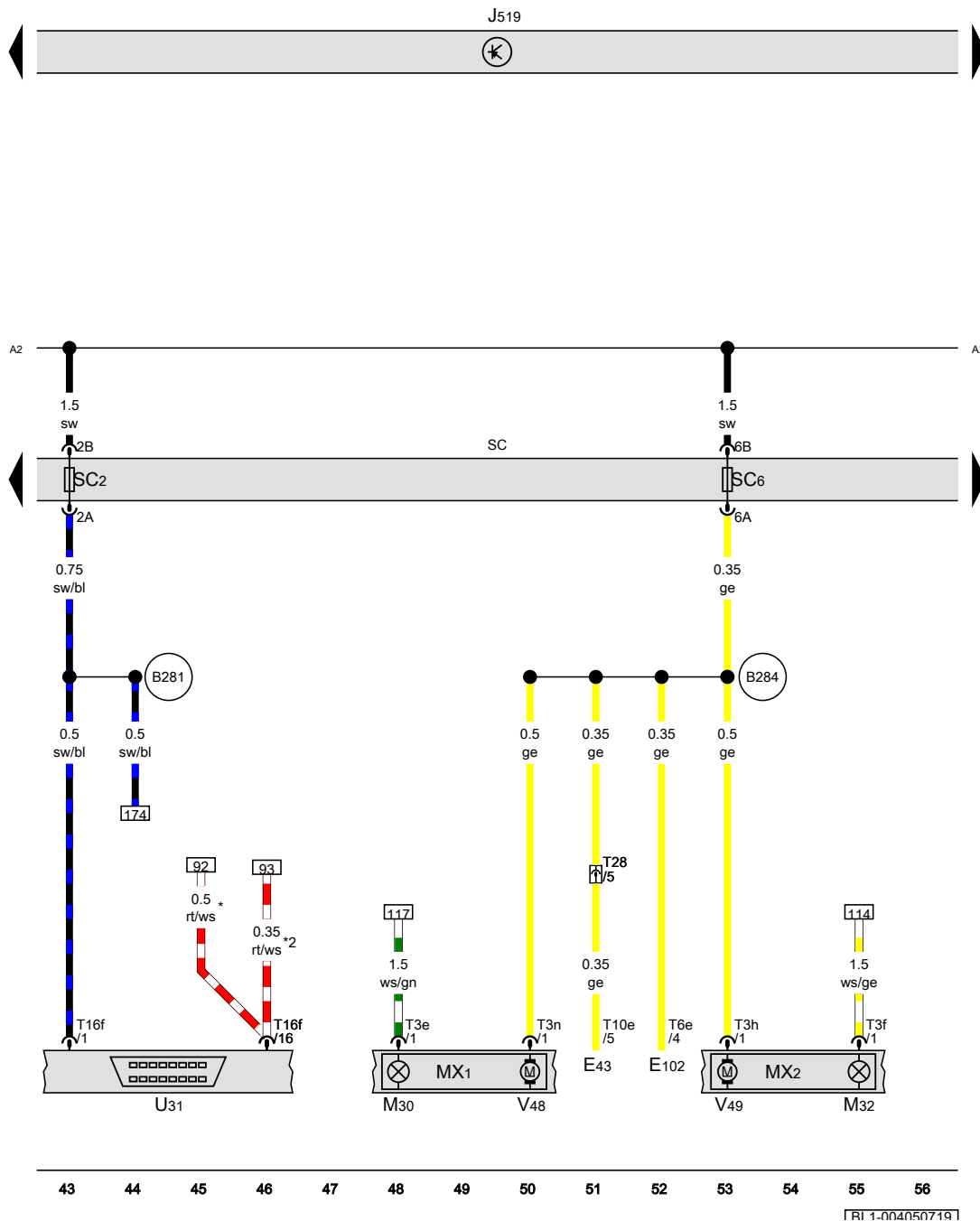
B280 Positive connection 4 (15a) in main wiring harness

\* From November 2013

\*2 Up to November 2013

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





### Fuse holder C

- E43 Mirror adjustment switch
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- M30 Left headlight main beam bulb
- M32 Right headlight main beam bulb
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- T3e 3-pin connector
- T3f 3-pin connector
- T3h 3-pin connector
- T3n 3-pin connector
- T6e 6-pin connector
- T10e 10-pin connector
- T16f 16-pin connector
- T28 28-pin connector, in front left door
- U31 Diagnostic connection
- V48 Left headlight range control motor
- V49 Right headlight range control motor

A2 Positive connection (15), in dash panel wiring harness

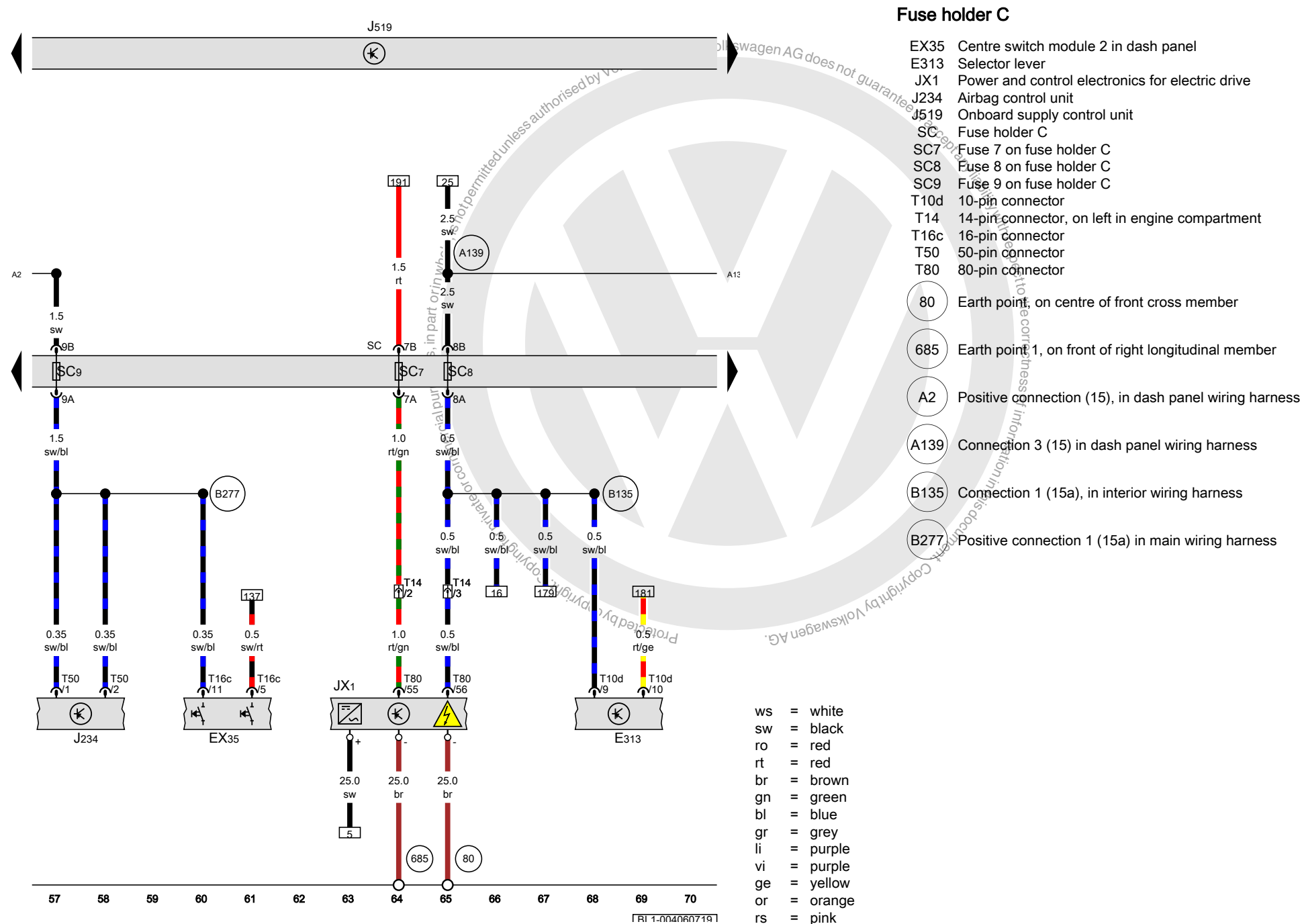
B281 Positive connection 5 (15a) in main wiring harness

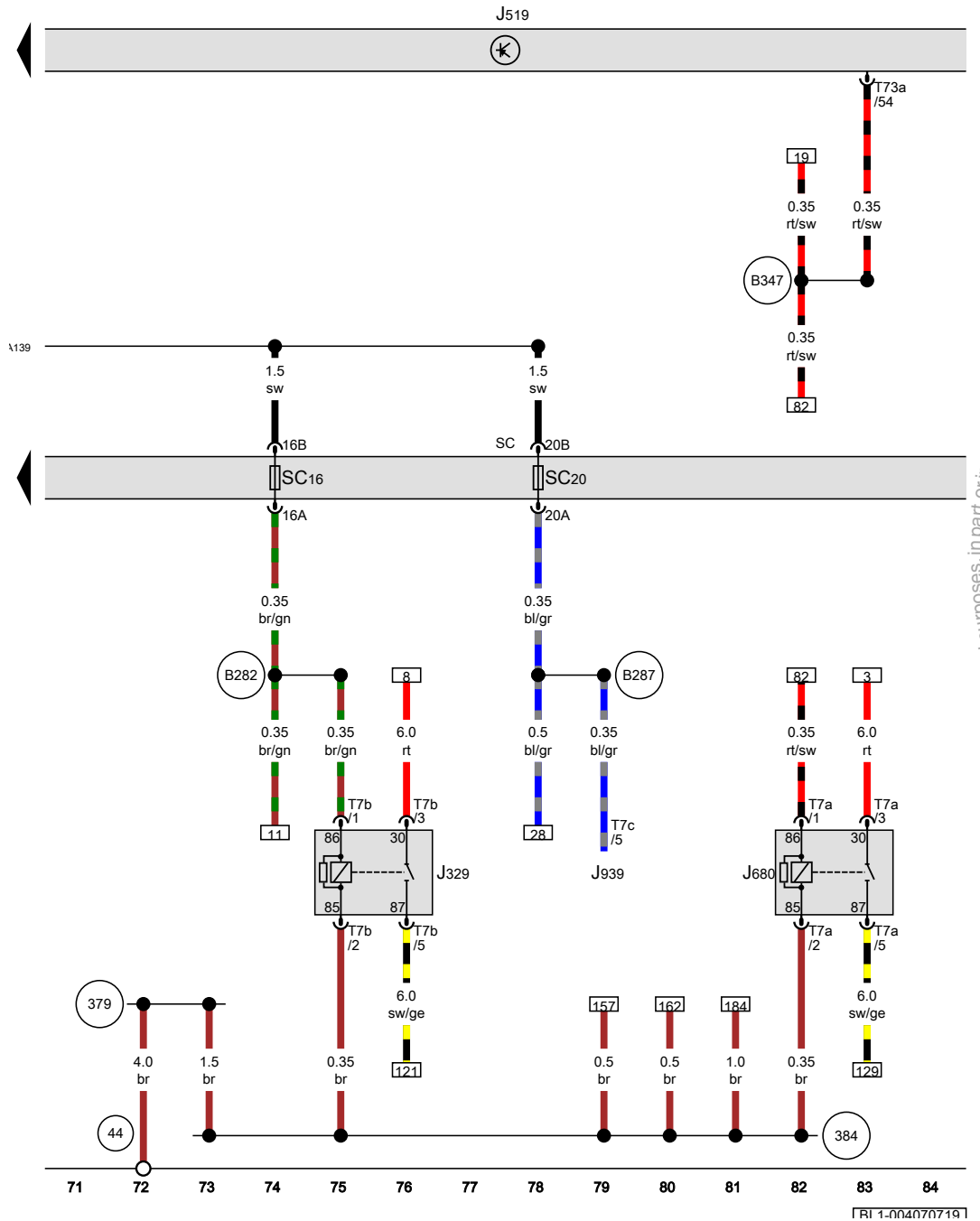
B284 Positive connection 8 (15a) in main wiring harness

\* From November 2013

\*2 Up to November 2013

- 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





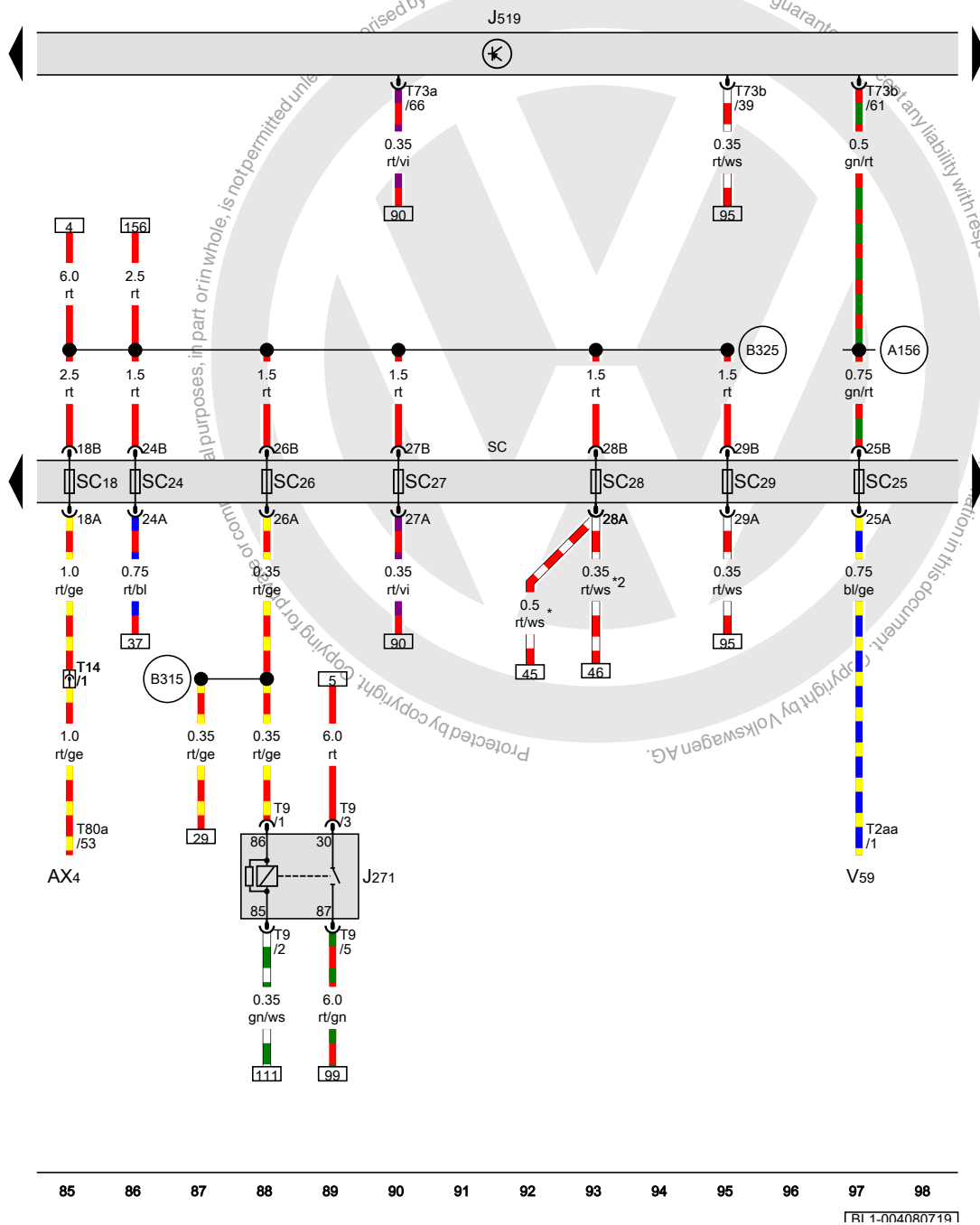
# Terminal 15 voltage supply relay, Terminal 75 voltage supply relay 1, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- J939 Emergency braking function sensor unit
- SC Fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T7a 7-pin connector
- T7b 7-pin connector
- T7c 7-pin connector
- T73a 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B282 Positive connection 6 (15a) in main wiring harness
- B287 Positive connection 11 (15a) in main wiring harness
- B347 Connection 2 (75), in main wiring harness

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- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
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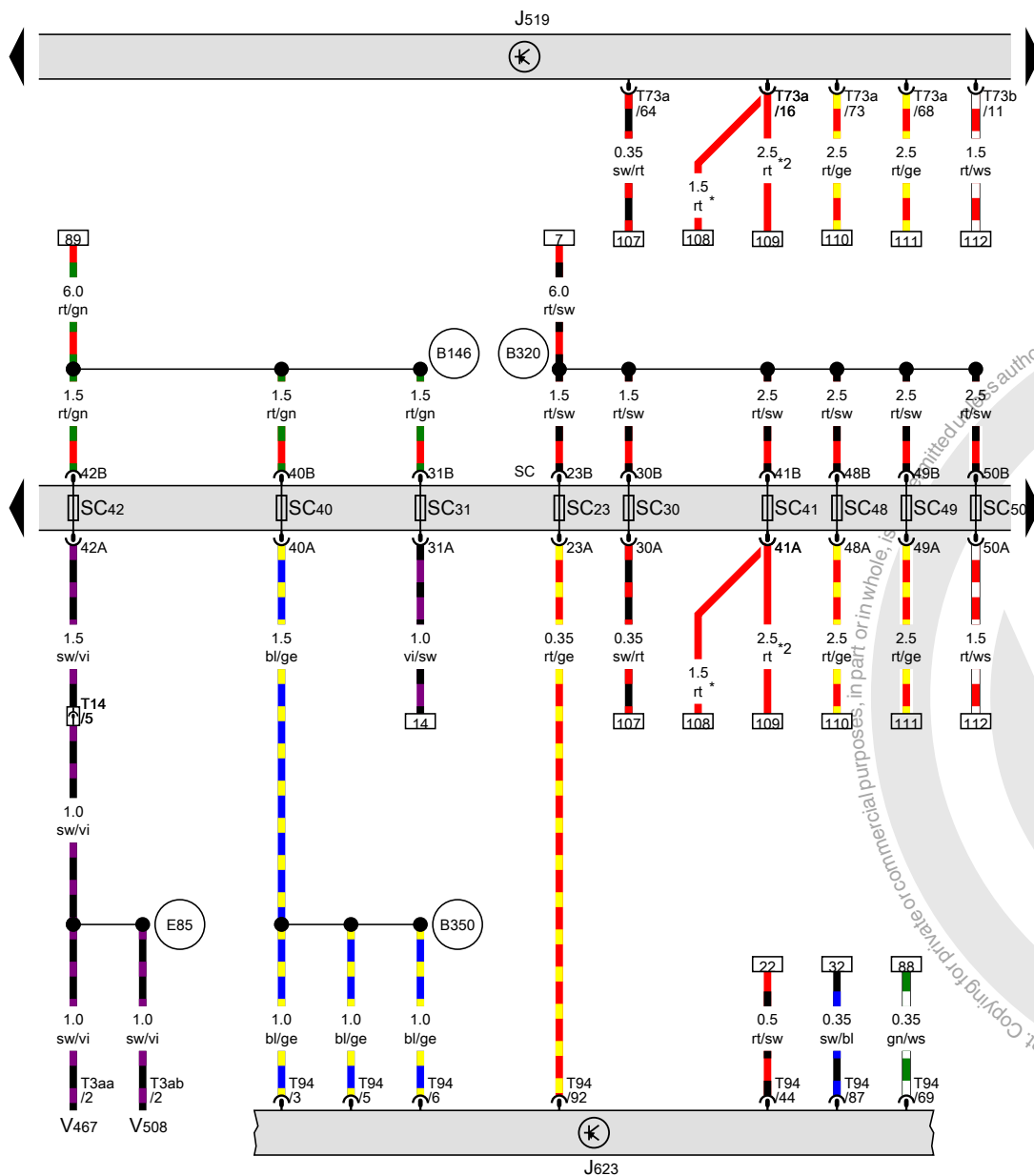


### Main relay, Fuse holder C

- AX4 Charging unit 1 for high-voltage battery
- J271 Main relay
- J519 Onboard supply control unit
- SC Fuse holder C
- SC18 Fuse 18 on 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
- T2aa 2-pin connector
- T9 9-pin connector
- T14 14-pin connector, on left in engine compartment
- T73a 73-pin connector
- T73b 73-pin connector
- T80a 80-pin connector
- V59 Windscreen and rear window washer pump

- A156 Connection (53c), in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B325 Positive connection 11 (30a) in main wiring harness
- \* From November 2013
- \*2 Up to November 2013

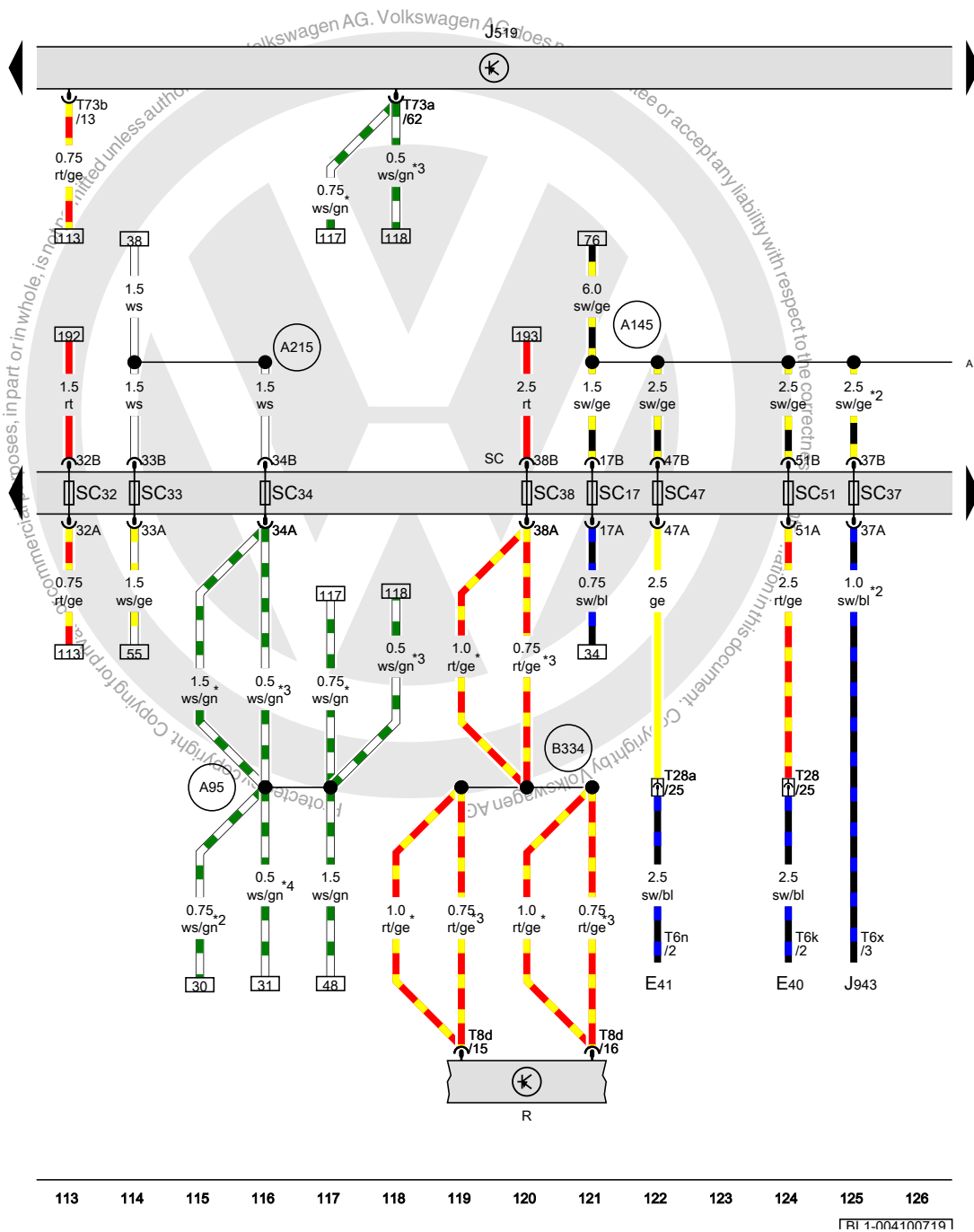
- ws = white
- sw = black
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- gr = grey
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### Fuse holder C

- J519 Onboard supply control unit
- J623 Engine/motor control unit
- SC Fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 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
- SC48 Fuse 48 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- T3aa 3-pin connector
- T3ab 3-pin connector
- T14 14-pin connector, on left in engine compartment
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector
- V467 Coolant pump for high-temperature circuit
- V508 Coolant circulation pump before power and control electronics for electric drive
- B146 Positive connection 1 (87), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- E85 Connection 9 (87a) in engine wiring harness
- \* From November 2013
- \*2 Up to November 2013

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 bl = blue  
 gr = grey  
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 vi = purple  
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 rs = pink



### Fuse holder C

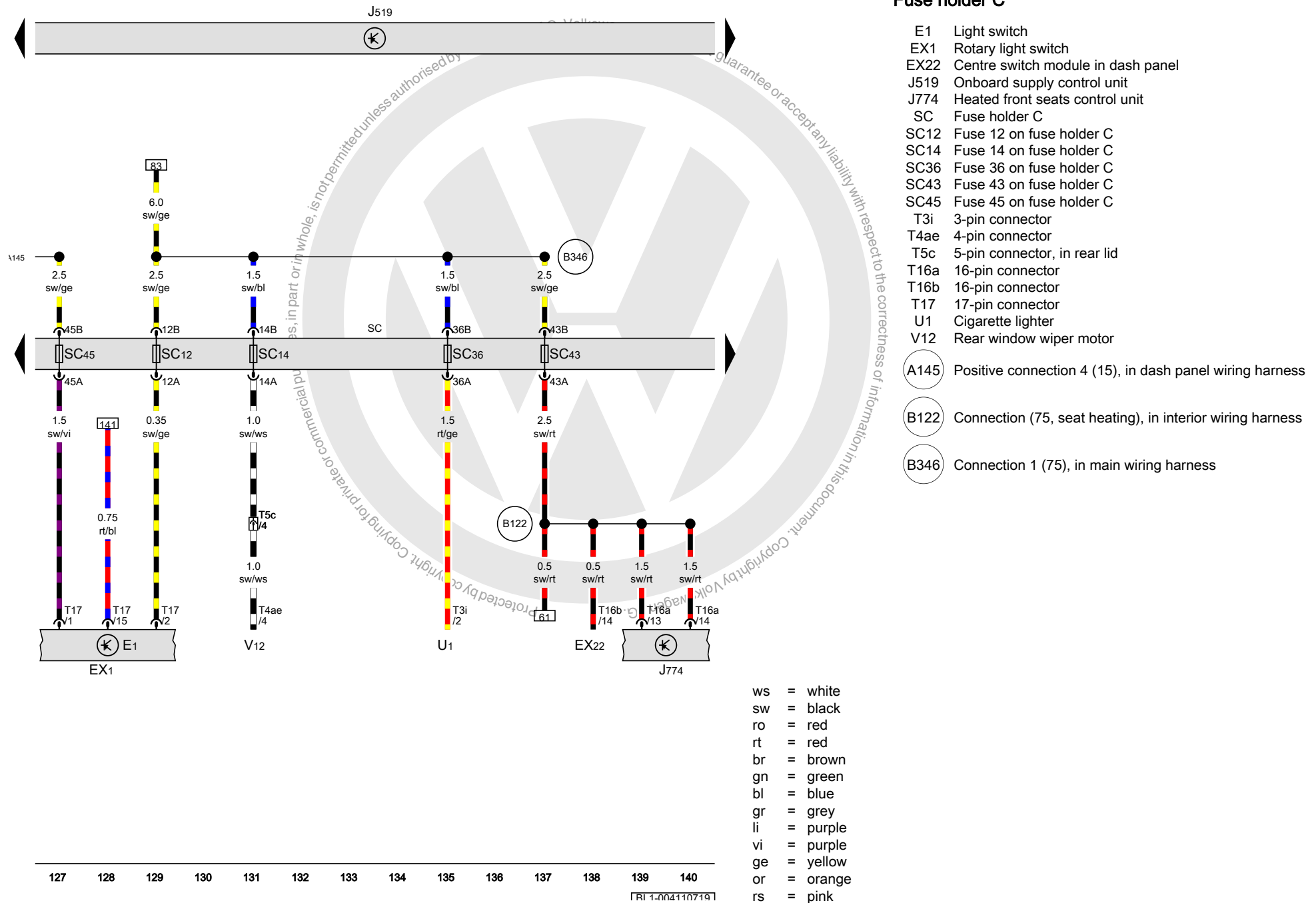
- E40 Front left window regulator switch
- E41 Front right window regulator switch
- J519 Onboard supply control unit
- J943 Engine sound generator control unit
- R Radio
- SC Fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T6k 6-pin connector
- T6n 6-pin connector
- T6x 6-pin connector
- T8d 8-pin connector
- T28 28-pin connector, in front left door
- T28a 28-pin connector, in front right door
- T73a 73-pin connector
- T73b 73-pin connector

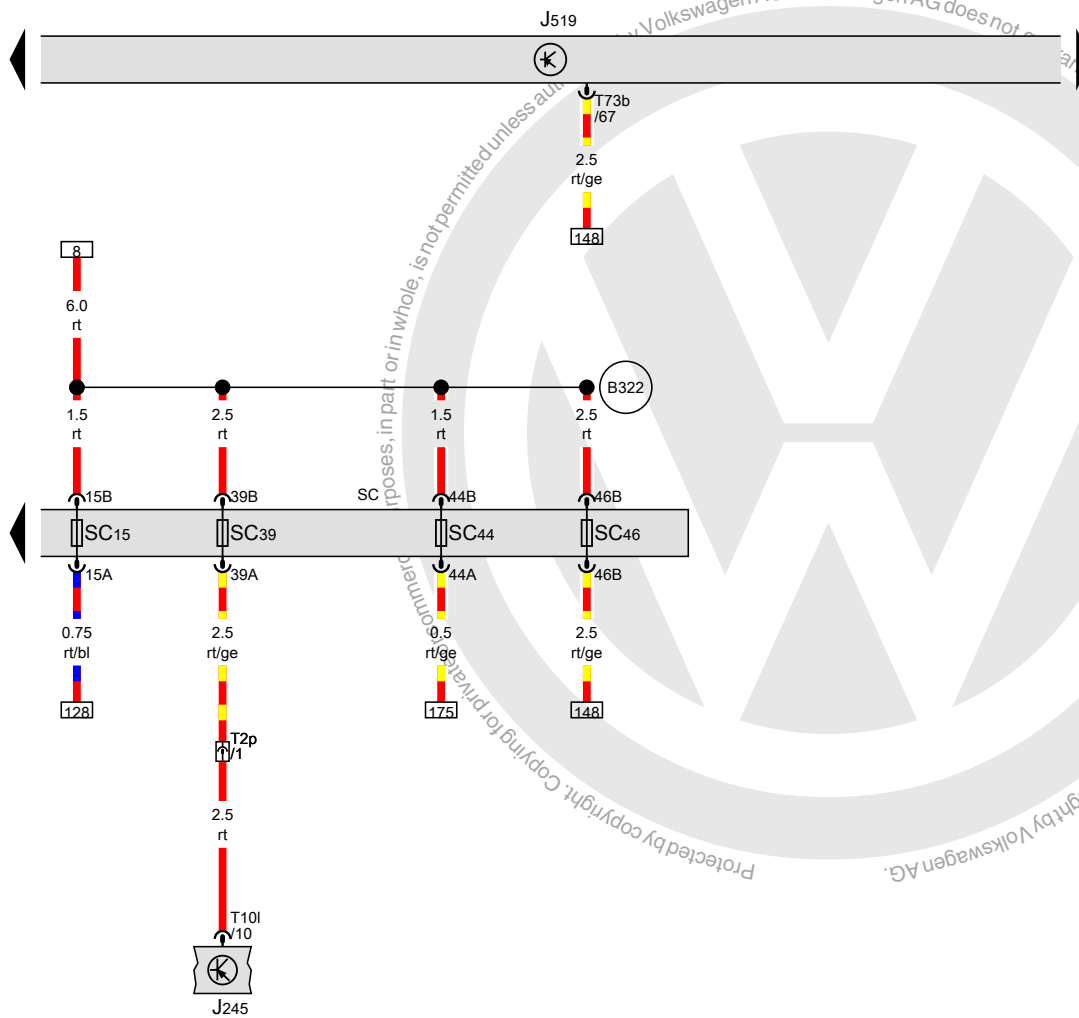
- A95 Connection 1 (56a), in dash panel wiring harness
- A145 Positive connection 4 (15), in dash panel wiring harness
- A215 Connection 2 (56a), in dash panel wiring harness
- B334 Positive connection 20 (30a) in main wiring harness

- \* From May 2014
- \*2 From November 2013
- \*3 Up to May 2014
- \*4 Up to November 2013

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- ro = red
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- gn = green
- bl = blue
- gr = grey
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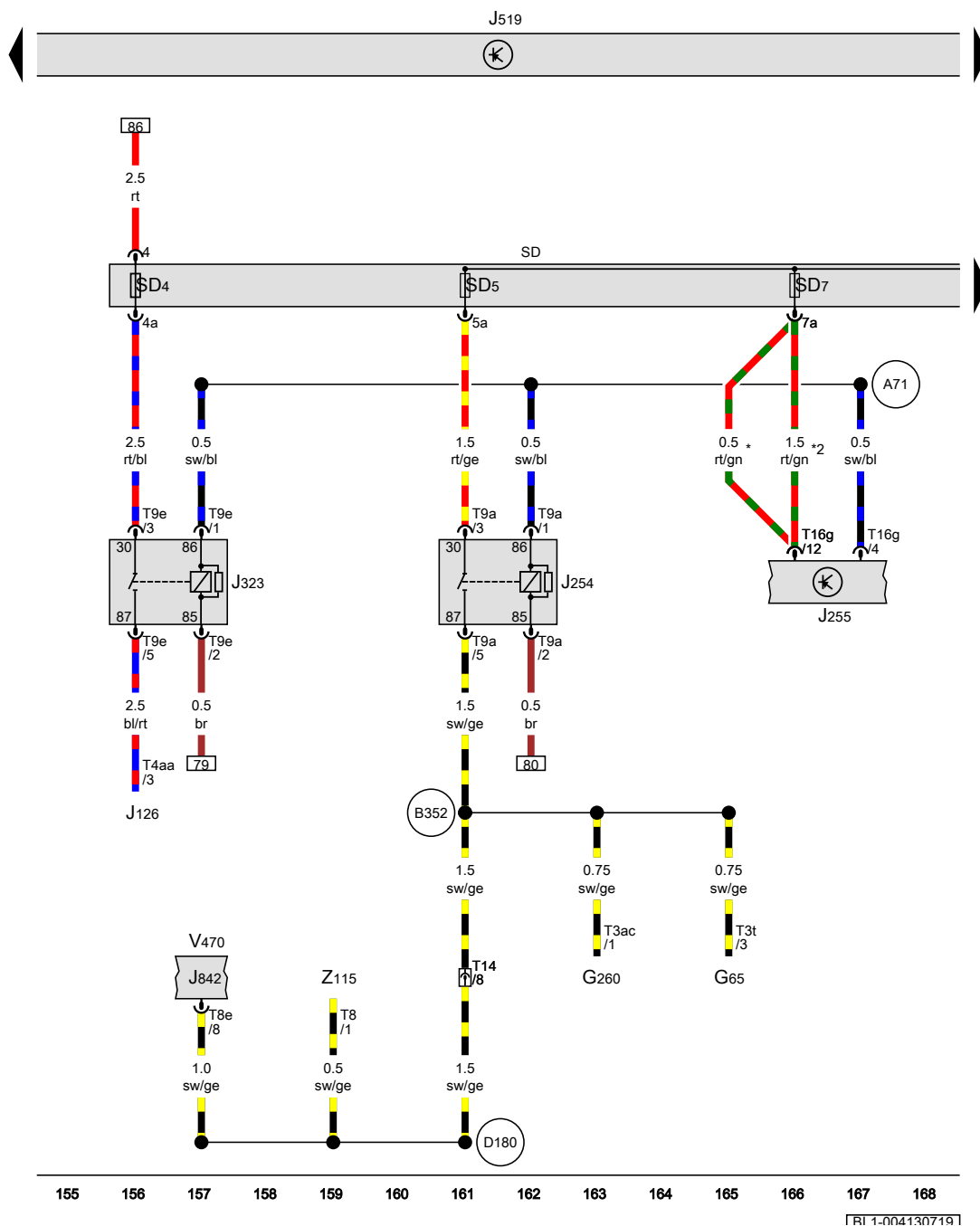


### Fuse holder C

- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- T2p 2-pin connector, in roof
- T10l 10-pin connector, black
- T73b 73-pin connector

B322 Positive connection 8 (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

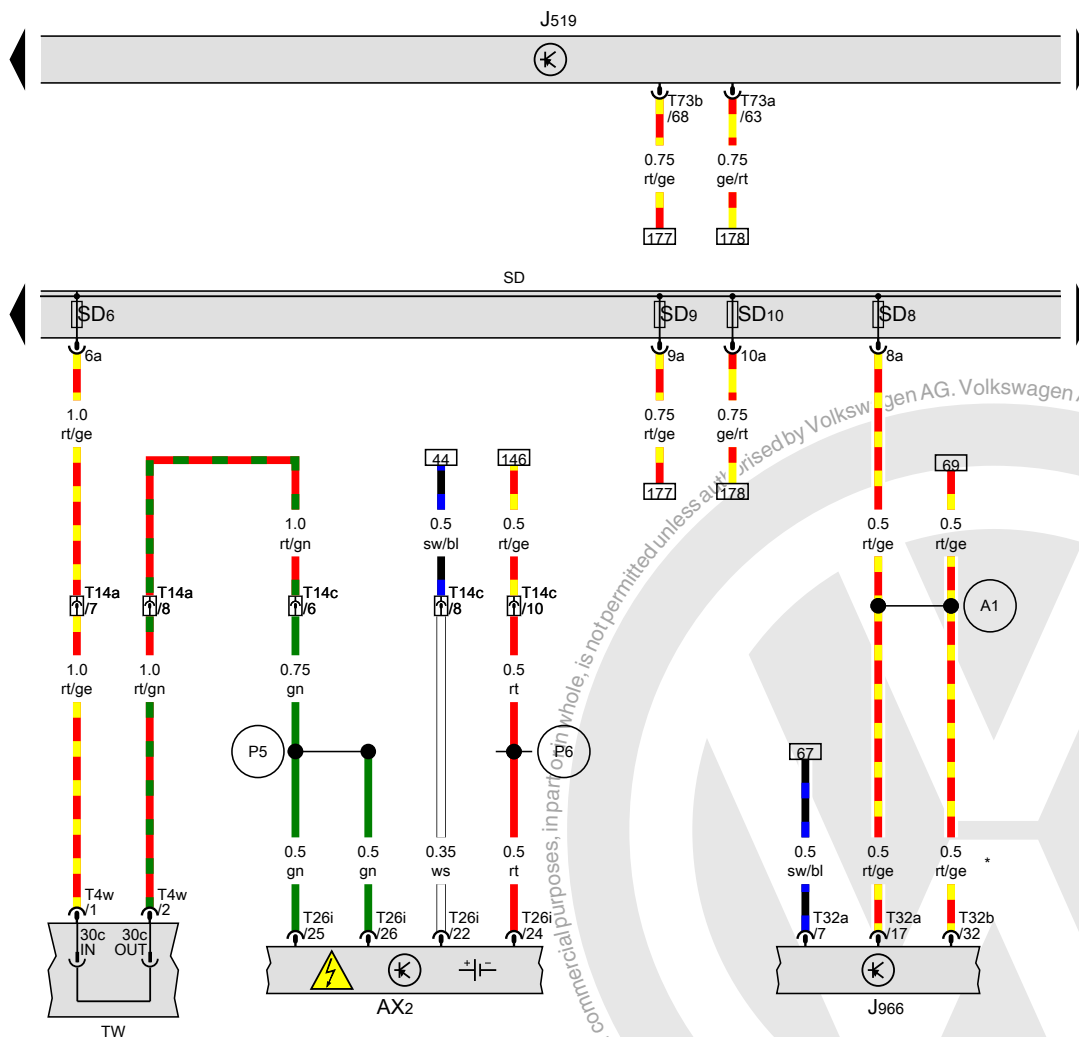


**Climatronic relay, Blower relay, Fuse holder D**

- |      |   |
|------|---|
| G65  | High-pressure sender                            |
| G260 | Humidity sender for air conditioning system     |
| J126 | Fresh air blower control unit                   |
| J254 | Climatronic relay                               |
| J255 | Climatronic control unit                        |
| J323 | Blower relay                                    |
| J519 | Onboard supply control unit                     |
| J842 | Control unit for air conditioning compressor    |
| SD   | Fuse holder D                                   |
| SD4  | Fuse 4 on fuse holder D                         |
| SD5  | Fuse 5 on fuse holder D                         |
| SD7  | Fuse 7 on fuse holder D                         |
| T3ac | 3-pin connector                                 |
| T3t  | 3-pin connector                                 |
| T4aa | 4-pin connector                                 |
| T8   | 8-pin connector                                 |
| T8e  | 8-pin connector                                 |
| T9a  | 9-pin connector                                 |
| T9e  | 9-pin connector                                 |
| T14  | 14-pin connector, on left in engine compartment |
| T16g | 16-pin connector                                |
| V470 | Electrical air conditioner compressor           |
| Z115 | High-voltage heater (PTC)                       |

- |      |  |
|------|--|
| A71  | Connection (86), in dash panel wiring harness          |
| B352 | Positive connection 3 (87a) in main wiring harness     |
| D180 | Connection (87a), in engine compartment wiring harness |
| *    | From May 2014  |
| *2   | Up to May 2014   |

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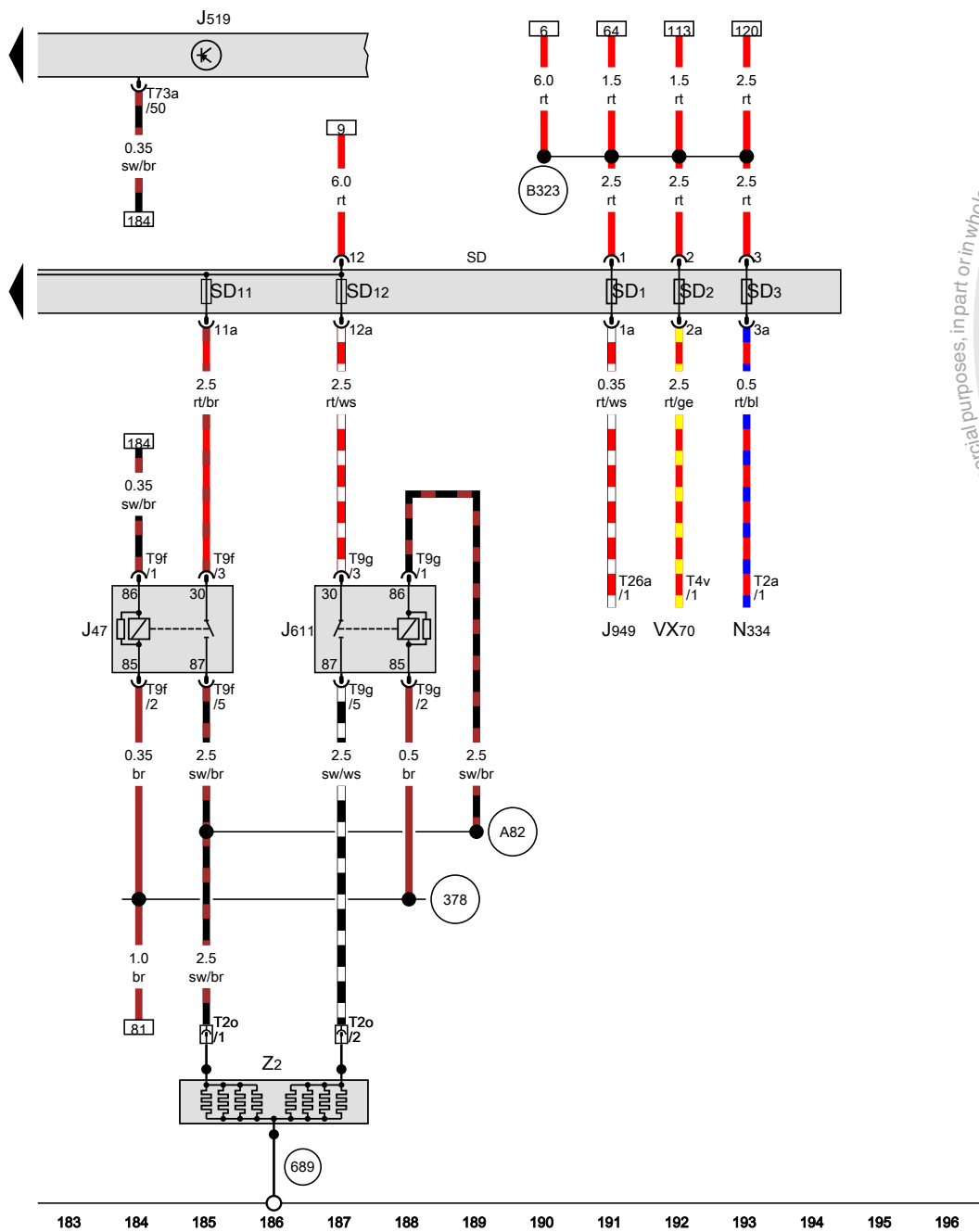


### Fuse holder D

- AX2 High-voltage battery 1
- J519 Onboard supply control unit
- J966 Charge voltage control unit for high-voltage battery
- SD Fuse holder D
- SD6 Fuse 6 on fuse holder D
- SD8 Fuse 8 on fuse holder D
- SD9 Fuse 9 on fuse holder D
- SD10 Fuse 10 on fuse holder D
- T4w 4-pin connector
- T14a 14-pin connector, on left in engine compartment
- T14c 14-pin connector
- T26i 26-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- TW Maintenance connector for high-voltage system

- A1 Positive connection (30a), in dash panel wiring harness
- P5 Positive connection 1, in high-voltage battery wiring harness
- P6 Positive connection 2, in high-voltage battery wiring harness
- \* According to equipment

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
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 gr = grey  
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## Heated windscreen relay, Heated windscreen relay 2, Fuse holder D, Heated windscreen

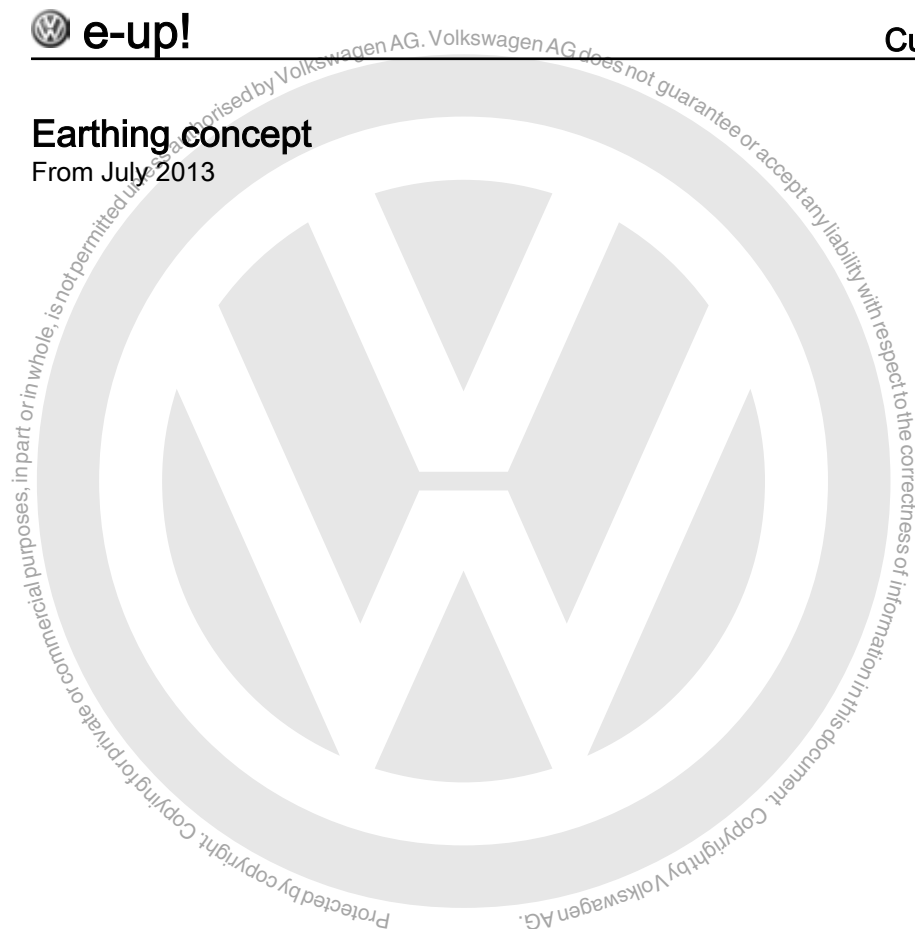
- J47 Heated windscreen relay
- J519 Onboard supply control unit
- J611 Heated windscreen relay 2
- J949 Emergency call module control unit and communication unit
- N334 Ignition key withdrawal lock solenoid valve
- SD Fuse holder D
- SD1 Fuse 1 on fuse holder D
- SD2 Fuse 2 on fuse holder D
- SD3 Fuse 3 on fuse holder D
- SD11 Fuse 11 on fuse holder D
- SD12 Fuse 12 on fuse holder D
- T2a 2-pin connector
- T2o 2-pin connector, central in plenum chamber
- T4v 4-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T26a 26-pin connector
- T73a 73-pin connector
- VX70 Brake system pressure accumulator
- Z2 Heated windscreen

- 378 Earth connection 13, in main wiring harness
- 689 Earth point, at front, central in roof
- A82 Connection (windscreen heater), in dash panel wiring harness
- B323 Positive connection 9 (30a) in main wiring harness



## Earthing concept

From July 2013



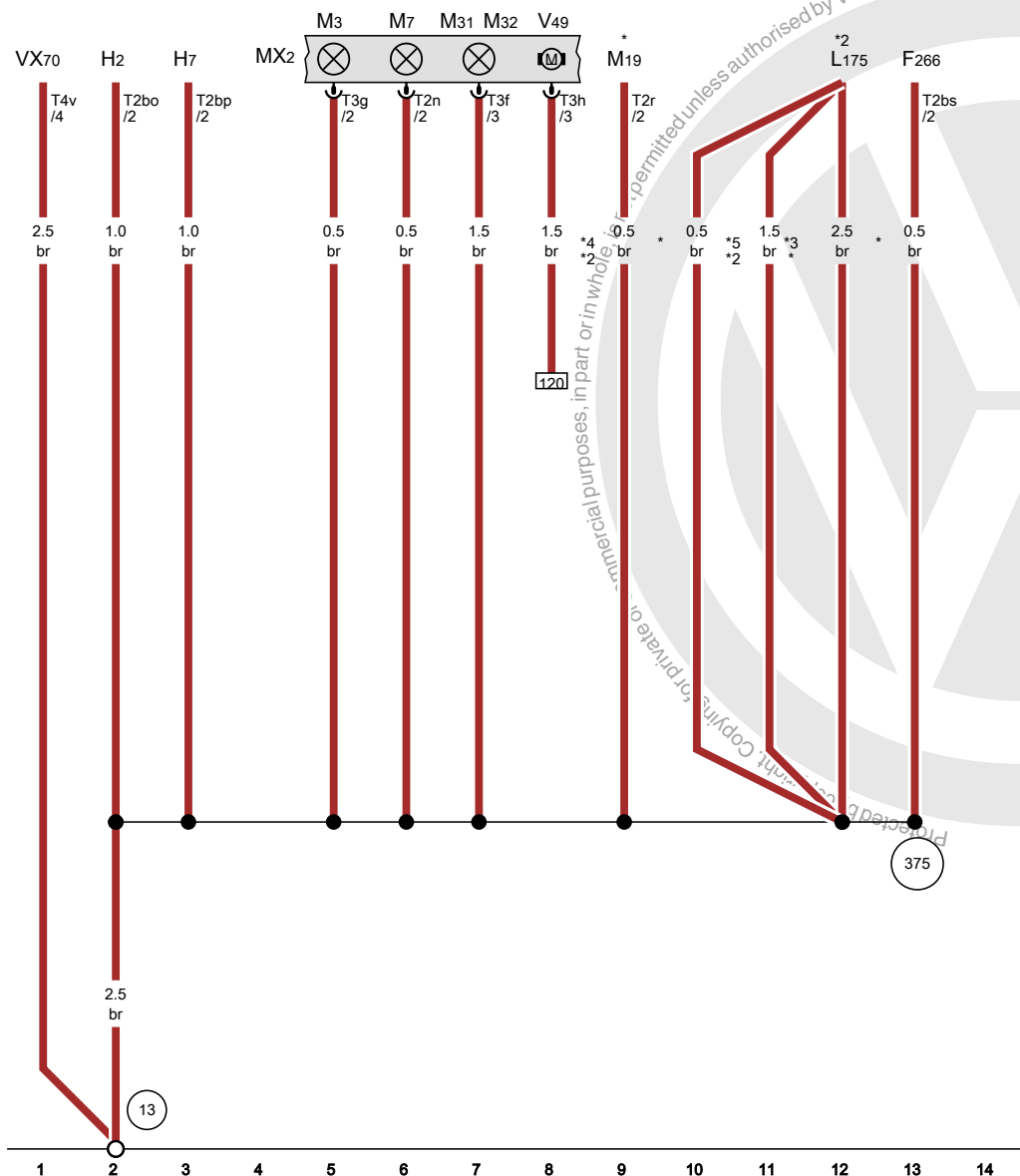
Earth point, on right in engine compartment, Earth connection 10, in main wiring harness

- F266 Bonnet contact switch
- H2 Treble horn
- H7 Bass horn
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M19 Right turn signal repeater bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T2bo 2-pin connector
- T2bp 2-pin connector
- T2bs 2-pin connector
- T2n 2-pin connector
- T2r 2-pin connector
- T3f 3-pin connector
- T3g 3-pin connector
- T3h 3-pin connector
- T4v 4-pin connector
- V49 Right headlight range control motor
- VX70 Brake system pressure accumulator

- 13 Earth point, on right in engine compartment
- 375 Earth connection 10, in main wiring harness

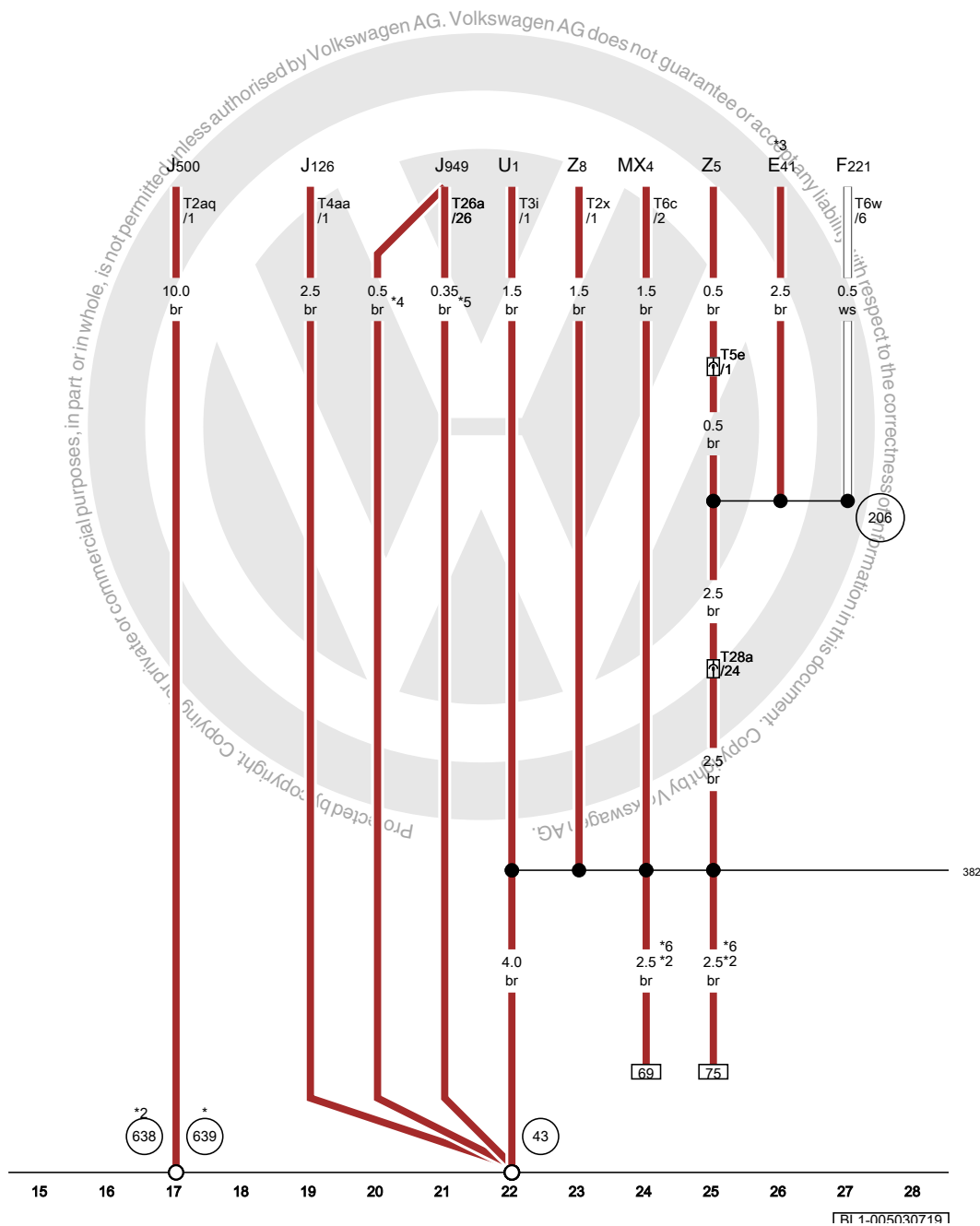
- \* Up to August 2016
- \*2 see applicable current flow diagram
- \*3 For right-hand drive models
- \*4 Cross section depends on equipment
- \*5 From August 2016

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



FR 1-0050207191

Earth point, lower part of right A-pillar, Earth connection, in front passenger door wiring harness, Earth connection 17, in main wiring harness, Earth point, on right A-pillar, Earth point, left A-pillar

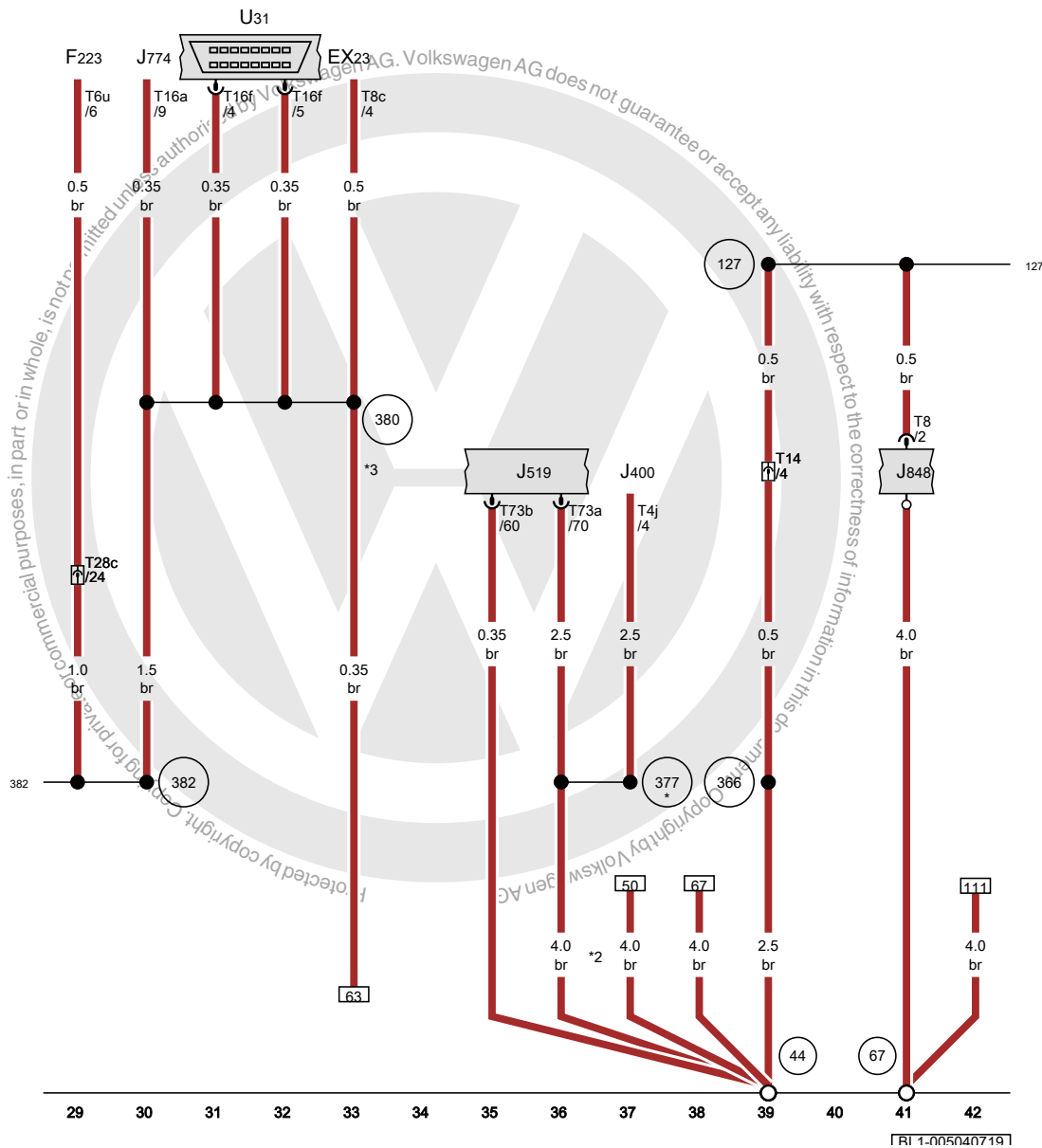


- E41 Front right window regulator switch
- F221 Front passenger side central locking lock unit
- J126 Fresh air blower control unit
- J500 Power steering control unit
- J949 Emergency call module control unit and communication unit
- MX4 Right tail light cluster
- T2aq 2-pin connector
- T2x 2-pin connector
- T3i 3-pin connector
- T4aa 4-pin connector
- T5e 5-pin connector
- T6c 6-pin connector
- T6w 6-pin connector
- T26a 26-pin connector
- T28a 28-pin connector
- U1 Cigarette lighter
- Z5 Heated exterior mirror on passenger side
- Z8 Heated seat cushion for front passenger seat

- 43 Earth point, lower part of right A-pillar
- 206 Earth connection, in front passenger door wiring harness
- 382 Earth connection 17, in main wiring harness
- 638 Earth point, on right A-pillar
- 639 Earth point, left A-pillar

- \* For left-hand drive models
- \*2 For right-hand drive models
- \*3 see applicable current flow diagram
- \*4 From May 2014
- \*5 Up to May 2014
- \*6 From November 2014

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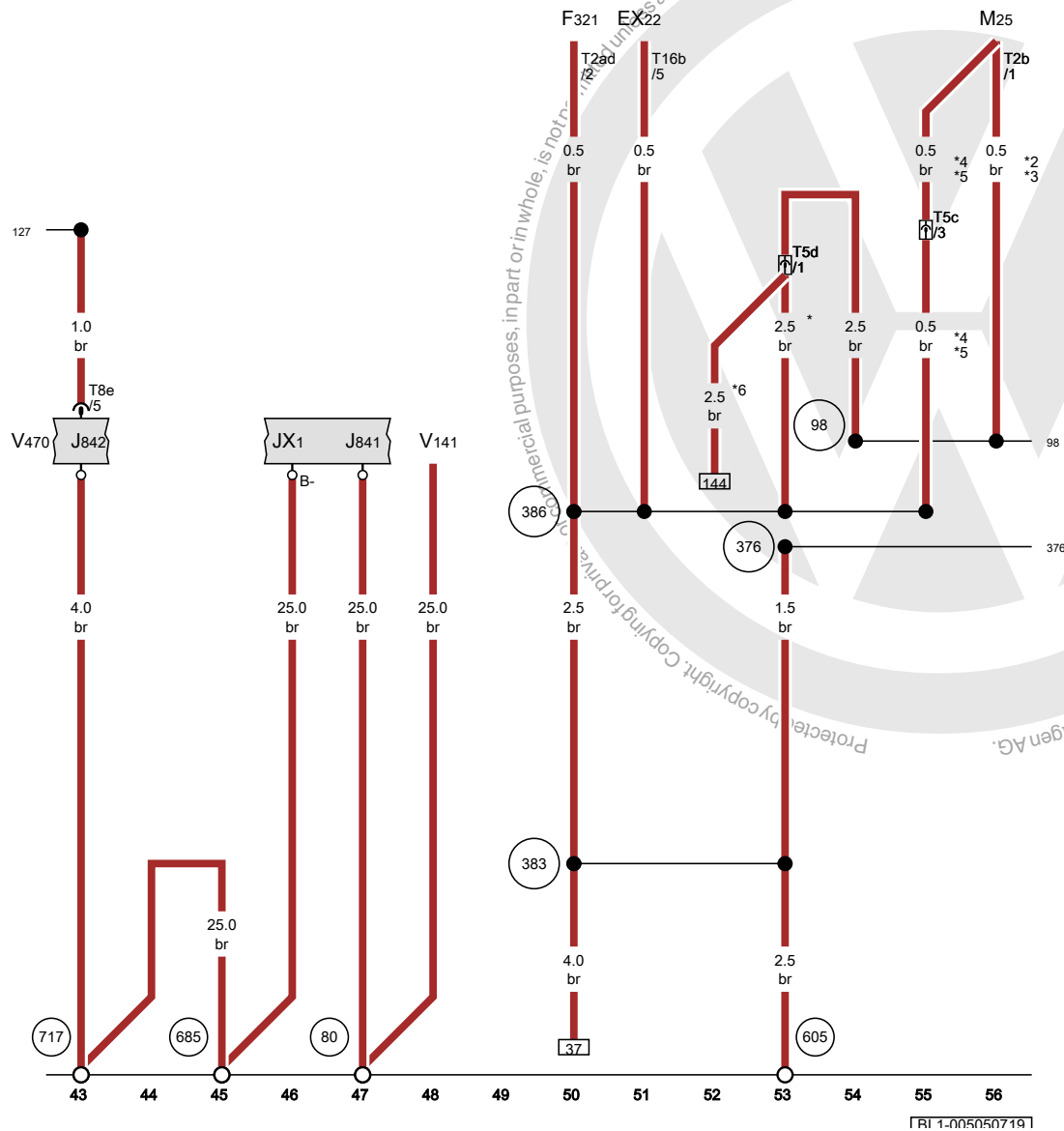


Earth point, lower part of left A-pillar, Earth point, on left of front cross member, Earth connection 1, in air conditioning system compressor wiring harness, Earth connection 1, in main wiring harness, Earth connection 12, in main wiring harness, Earth connection 15, in main wiring harness, Earth connection 17, in main wiring harness

- EX23 Switch module 1 in centre console
- F223 Rear right central locking lock unit
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- J774 Heated front seats control unit
- J848 High-voltage heater (PTC) control unit
- T4j 4-pin connector
- T6u 6-pin connector
- T8 8-pin connector
- T8c 8-pin connector
- T14 14-pin connector
- T16a 16-pin connector
- T16f 16-pin connector
- T28c 28-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- U31 Diagnostic connection

- 44 Earth point, lower part of left A-pillar
- 67 Earth point, on left of front cross member
- 127 Earth connection 1, in air conditioning system compressor wiring harness
- 366 Earth connection 1, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- \* Component included in driver side specification on right-hand drive models
- \*2 For left-hand drive models
- \*3 For right-hand drive models

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Earth point, on centre of front cross member, Earth connection, in rear lid wiring harness, Earth connection 1, in air conditioning system compressor wiring harness, Earth connection 11, in main wiring harness, Earth connection 18, in main wiring harness, Earth connection 21, in main wiring harness, Earth point, on top end of steering column, Earth point 1, on front of right longitudinal member, Earth point on front right of cross member

- EX22 Centre switch module in dash panel
- F321 Parking brake contact switch
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- J842 Control unit for air conditioning compressor
- M25 High-level brake light bulb
- T2ad 2-pin connector
- T2b 2-pin connector
- T5c 5-pin connector
- T5d 5-pin connector
- T8e 8-pin connector
- T16b 16-pin connector
- V141 Electric drive motor
- V470 Electrical air conditioner compressor

- 80 Earth point, on centre of front cross member
- 98 Earth connection, in rear lid wiring harness
- 127 Earth connection 1, in air conditioning system compressor wiring harness
- 376 Earth connection 11, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- 685 Earth point 1, on front of right longitudinal member
- 717 Earth point on front right of cross member

- \* Up to August 2019
- \*2 Up to August 2016
- \*3 From November 2017

[RI 1-005050719]

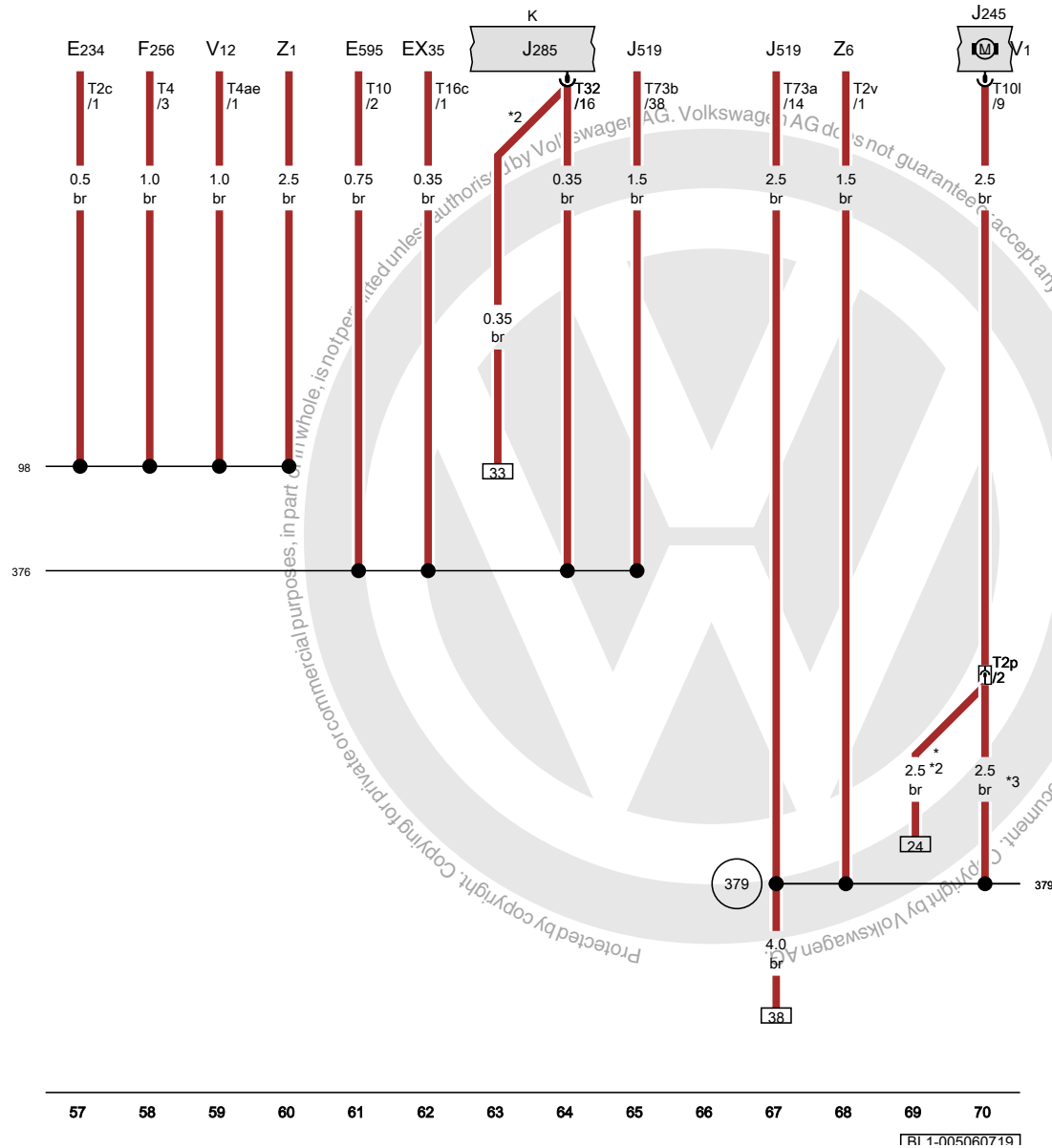
ws = white

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\*4 From August 2016  
 \*5 Up to November 2017  
 \*6 From August 2019



Earth connection, in rear lid wiring harness, Earth connection 11, in main wiring harness, Earth connection 14, in main wiring harness



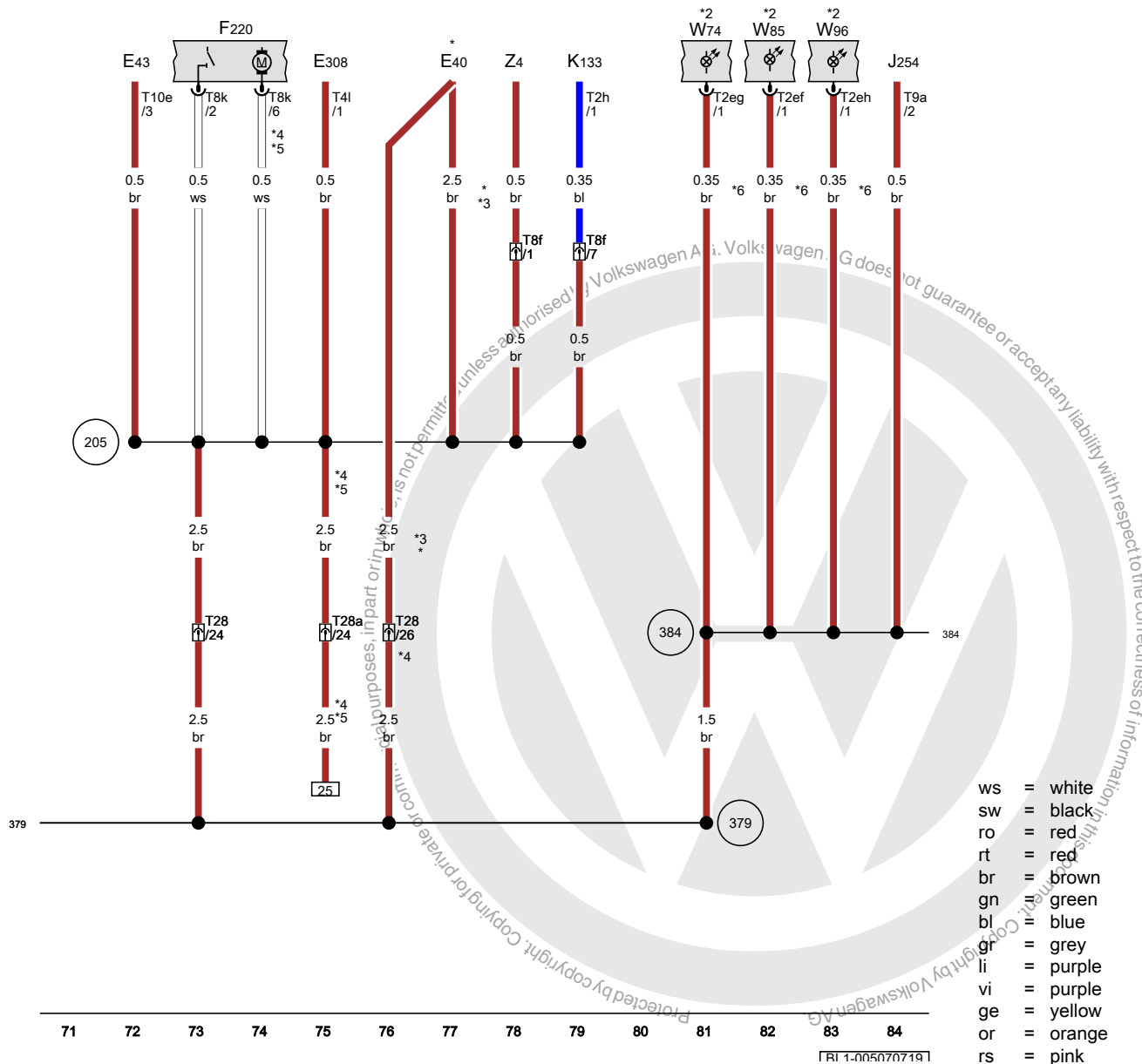
- EX35 Centre switch module 2 in dash panel
- E234 Rear lid handle release button
- E595 Steering column combination switch
- F256 Rear lid lock unit
- J245 Sliding sunroof adjustment control unit
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- T2c 2-pin connector
- T2p 2-pin connector
- T2v 2-pin connector
- T4 4-pin connector
- T4ae 4-pin connector
- T10 10-pin connector
- T10l 10-pin connector
- T16c 16-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V1 Sliding sunroof motor
- V12 Rear window wiper motor
- Z1 Heated rear window
- Z6 Heated seat cushion for driver seat

- 98 Earth connection, in rear lid wiring harness
- 376 Earth connection 11, in main wiring harness
- 379 Earth connection 14, in main wiring harness

- \* From November 2014
- \*2 For right-hand drive models
- \*3 For left-hand drive models

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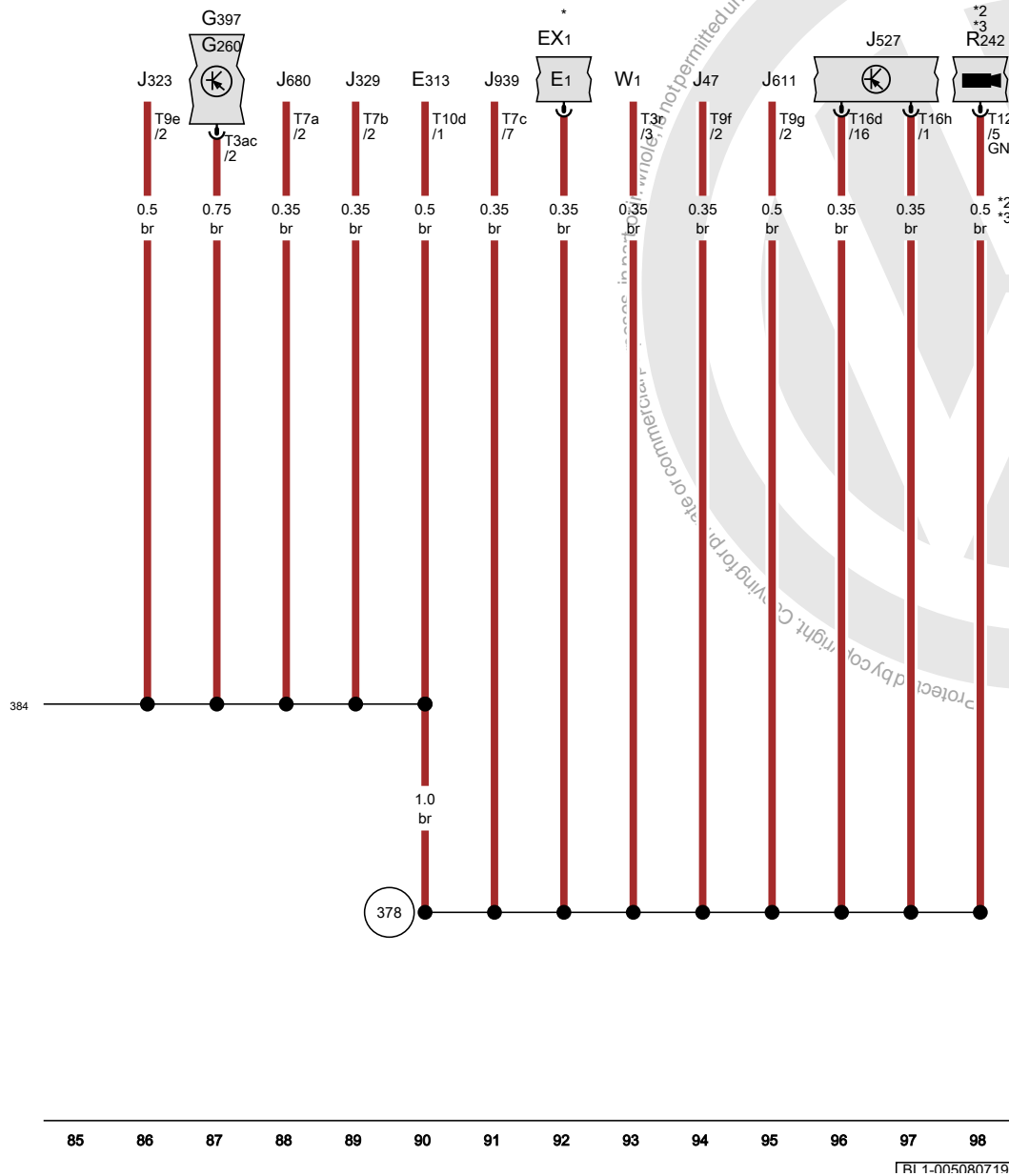
Earth connection, in driver door wiring harness, Earth connection 14, in main wiring harness, Earth connection 19, in main wiring harness



- E40 Front left window regulator switch
- E43 Mirror adjustment switch
- E308 Driver side interior locking button for central locking system
- F220 Driver side central locking lock unit, in driver door
- J254 Climatronic relay
- K133 Central locking SAFELOCK function warning lamp
- T2ef 2-pin connector, black
- T2eg 2-pin connector, black
- T2eh 2-pin connector, black
- T2h 2-pin connector
- T4l 4-pin connector
- T8f 8-pin connector
- T8k 8-pin connector, black
- T9a 9-pin connector
- T10e 10-pin connector
- T28 28-pin connector
- T28a 28-pin connector
- W74 Light conductor for front centre console background lighting
- W85 Light conductor for front passenger side background lighting
- W96 Light conductor for driver side background lighting
- Z4 Heated exterior mirror on driver side
- 205 Earth connection, in driver door wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- \* see applicable current flow diagram
- \*2 Pre-wired component
- \*3 According to equipment
- \*4 From November 2014
- \*5 For right-hand drive models
- \*6 From August 2016

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Steering column electronics control unit, Front camera for driver assist systems, Earth connection 13, in main wiring harness, Earth connection 19, in main wiring harness

- EX1 Rotary light switch
- E1 Light switch
- E313 Selector lever
- G260 Humidity sender for air conditioning system
- G397 Rain and light sensor
- J47 Heated windscreen relay
- J323 Blower relay
- J329 Terminal 15 voltage supply relay
- J527 Steering column electronics control unit
- J611 Heated windscreen relay 2
- J680 Terminal 75 voltage supply relay 1
- J939 Emergency braking function sensor unit
- R242 Front camera for driver assist systems
- T3ac 3-pin connector, black
- T3r 3-pin connector
- T7a 7-pin connector
- T7b 7-pin connector
- T7c 7-pin connector
- T9e 9-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T10d 10-pin connector
- T12k 12-pin connector, black
- T16d 16-pin connector
- T16h 16-pin connector
- W1 Front interior light

378 Earth connection 13, in main wiring harness

384 Earth connection 19, in main wiring harness

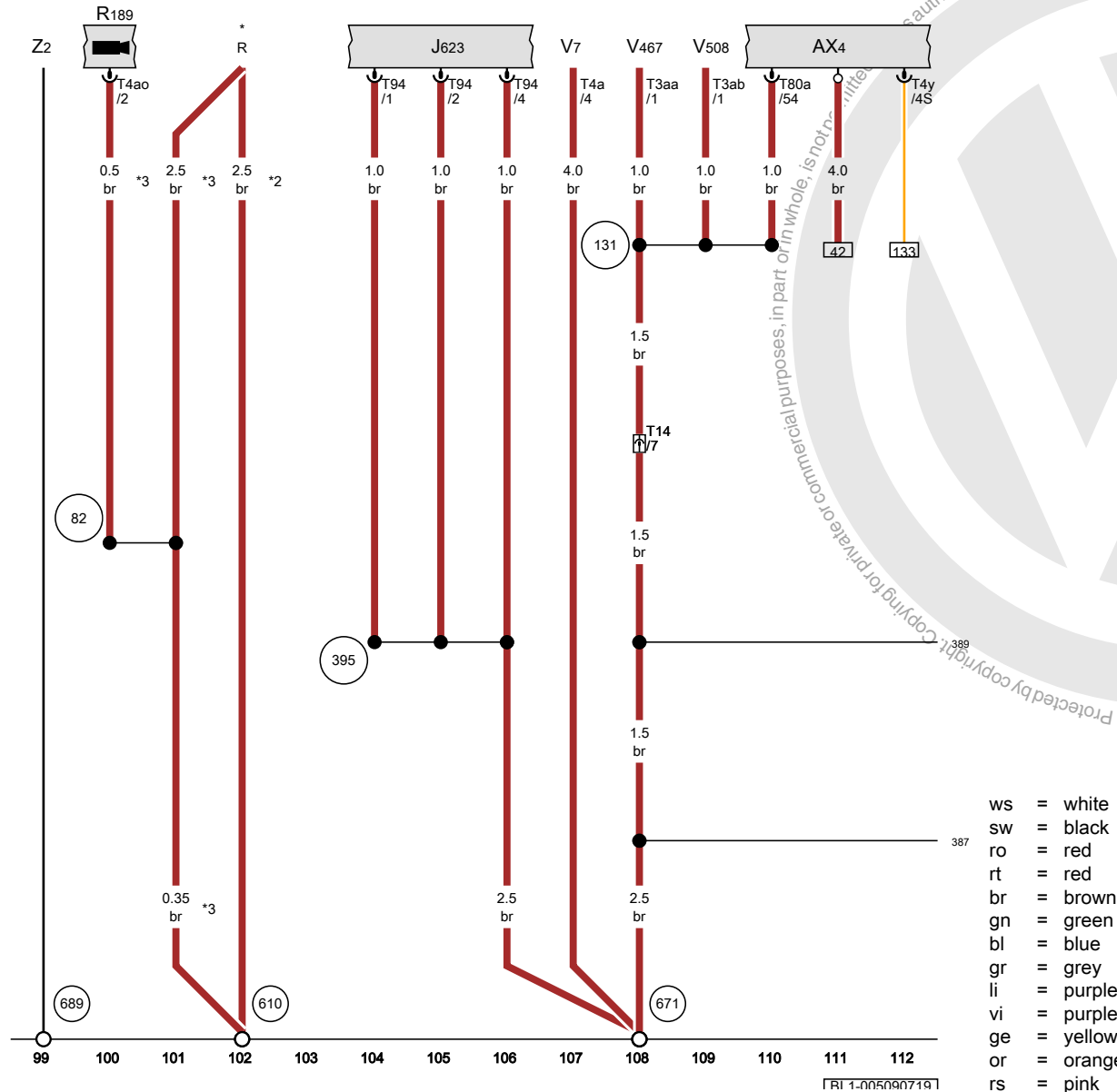
\* see applicable current flow diagram

\*2 From August 2019

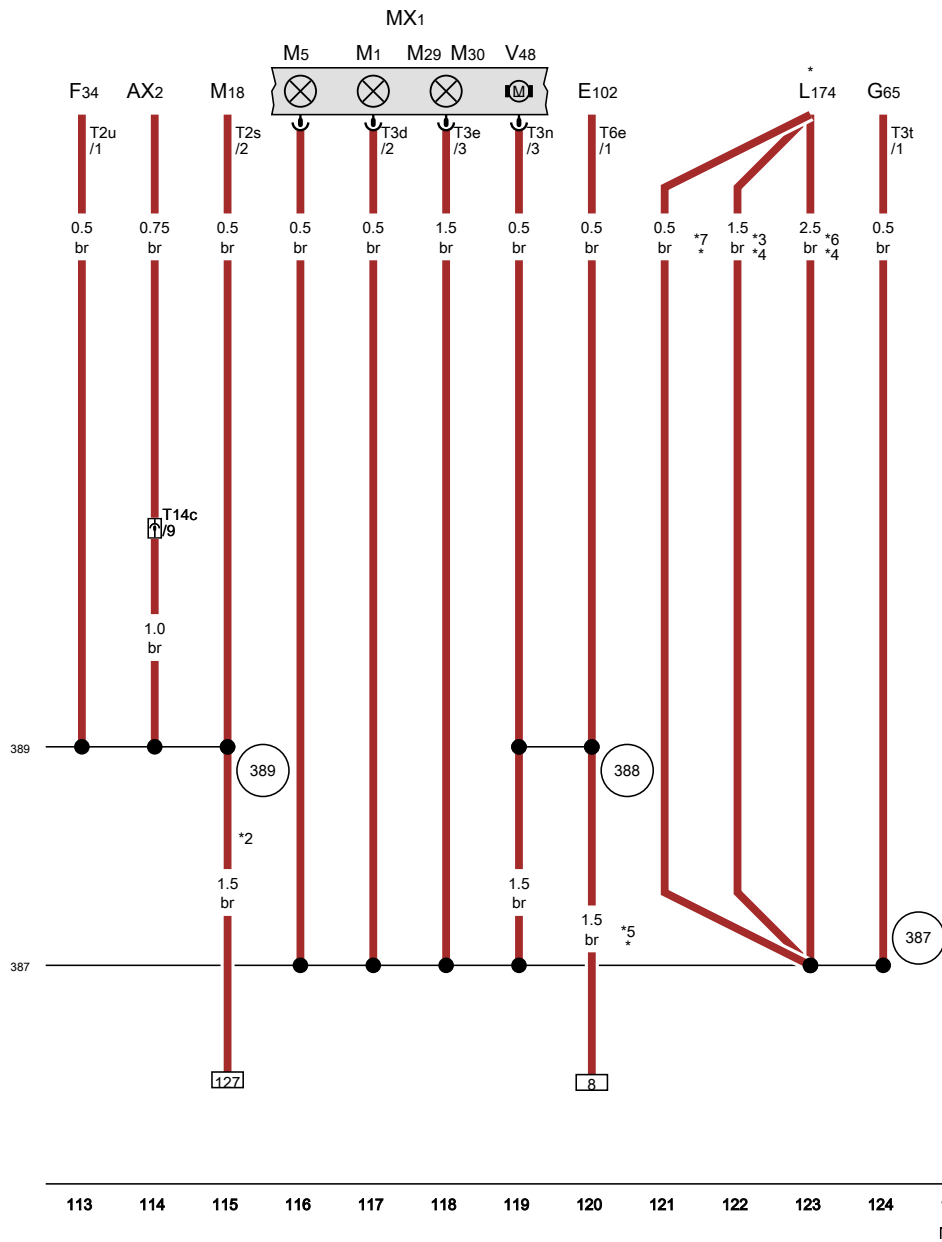
\*3 For models with front camera for driver assist systems

- ws = white
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Earth connection 2, in engine compartment wiring harness, Earth connection 22, in main wiring harness, Earth connection 30, in main wiring harness, Earth point (audio), front below centre console, Earth point 1, on front of left longitudinal member, Earth point, at front, central in roof



- AX4 Charging unit 1 for high-voltage battery
- J623 Engine/motor control unit
- R Radio
- R189 Reversing camera
- T3aa 3-pin connector
- T3ab 3-pin connector
- T4a 4-pin connector
- T4ao 4-pin connector, black
- T4y 4-pin connector
- T14 14-pin connector
- T80a 80-pin connector
- T94 94-pin connector
- V7 Radiator fan
- V467 Coolant pump for high-temperature circuit
- V508 Coolant circulation pump before power and control electronics for electric drive
- Z2 Heated windscreen
- 82 Earth connection 1, in front left wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 395 Earth connection 30, in main wiring harness
- 610 Earth point (audio), front below centre console
- 671 Earth point 1, on front of left longitudinal member
- 689 Earth point, at front, central in roof
- \* see applicable current flow diagram
- \*2 Up to August 2016
- \*3 From August 2016



Earth connection 22, in main wiring harness, Earth connection 23, in main wiring harness, Earth connection 24, in main wiring harness

- AX2 High-voltage battery 1
- E102 Headlight range control regulator
- F34 Brake fluid level warning contact
- G65 High-pressure sender
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M1 Left side light bulb
- M5 Front left turn signal bulb
- M18 Left turn signal repeater bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T2s 2-pin connector
- T2u 2-pin connector
- T3d 3-pin connector
- T3e 3-pin connector
- T3n 3-pin connector
- T3t 3-pin connector
- T6e 6-pin connector
- T14c 14-pin connector
- V48 Left headlight range control motor

387 Earth connection 22, in main wiring harness

388 Earth connection 23, in main wiring harness

389 Earth connection 24, in main wiring harness

\* see applicable current flow diagram

\*2 Up to November 2014

\*3 For right-hand drive models

\*4 Up to August 2016

\*5 Cross section depends on equipment

\*6 For left-hand drive models

\*7 From August 2016

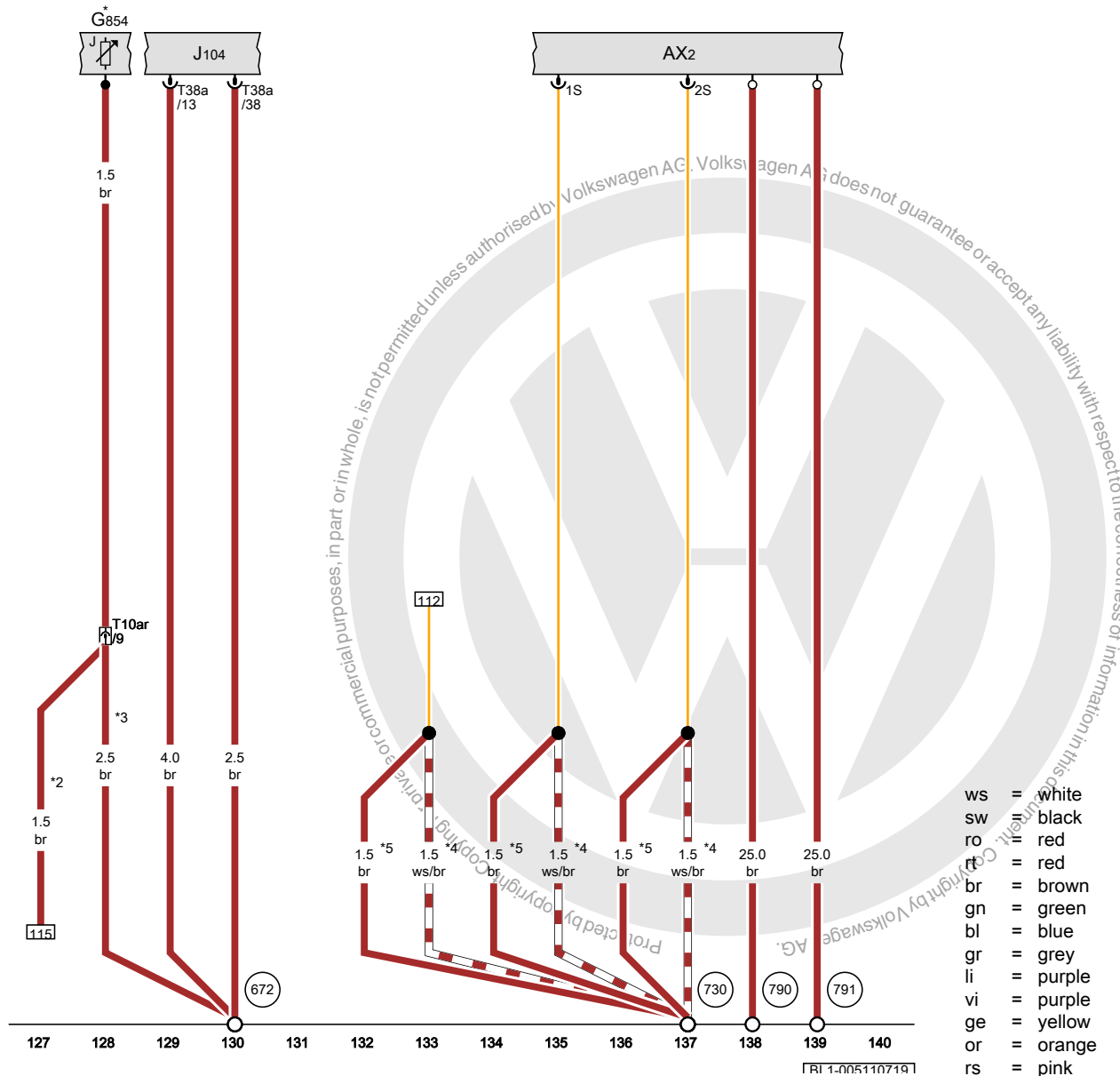
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Earth point 2, on front of left longitudinal member, Earth point 1, on right rear wheel housing, Earth point on front left of underbody, Earth point, on rear right of underbody

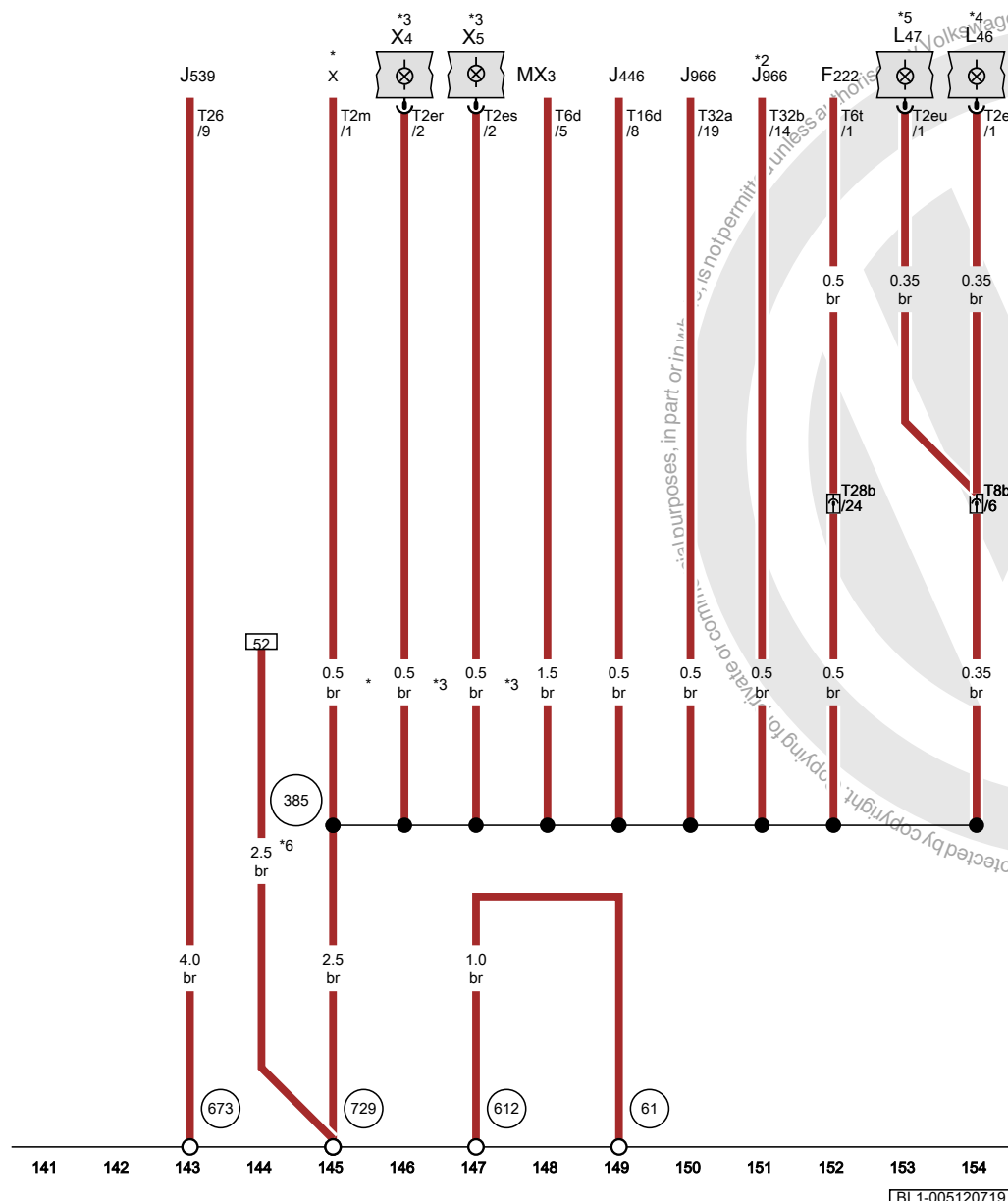
- AX2 High-voltage battery 1
- G854 Temperature sender for charging socket 2, in middle of engine compartment
- J104 ABS control unit
- T10ar 10-pin connector
- T38a 38-pin connector

- 672 Earth point 2, on front of left longitudinal member
- 730 Earth point 1, on right rear wheel housing
- 790 Earth point on front left of underbody
- 791 Earth point, on rear right of underbody

- \* For models with equipment for Japan
- \*2 Up to November 2014
- \*3 From November 2014
- \*4 Up to August 2019
- \*5 From August 2019



Earth connection 20, in main wiring harness, Earth point 3, on front of left longitudinal member, Earth point, on left rear wheel housing



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- F222 Rear left central locking lock unit
- J446 Parking aid control unit
- J539 Brake servo control unit
- J966 Charge voltage control unit for high-voltage battery
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- MX3 Left tail light cluster
- T2er 2-pin connector, black
- T2es 2-pin connector, black
- T2et 2-pin connector, black
- T2eu 2-pin connector, black
- T2m 2-pin connector
- T6d 6-pin connector
- T6t 6-pin connector
- T8b 8-pin connector, black
- T16d 16-pin connector
- T26 26-pin connector
- T28b 28-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- X Number plate light
- X4 Left number plate light
- X5 Right number plate light

- 61 Earth point, left C-pillar
- 385 Earth connection 20, in main wiring harness
- 612 Earth point, centre on rear lid
- 673 Earth point 3, on front of left longitudinal member
- 729 Earth point, on left rear wheel housing
- \* Up to August 2016
- \*2 According to equipment
- \*3 From August 2016
- \*4 For left-hand drive models
- \*5 For right-hand drive models
- \*6 From August 2019

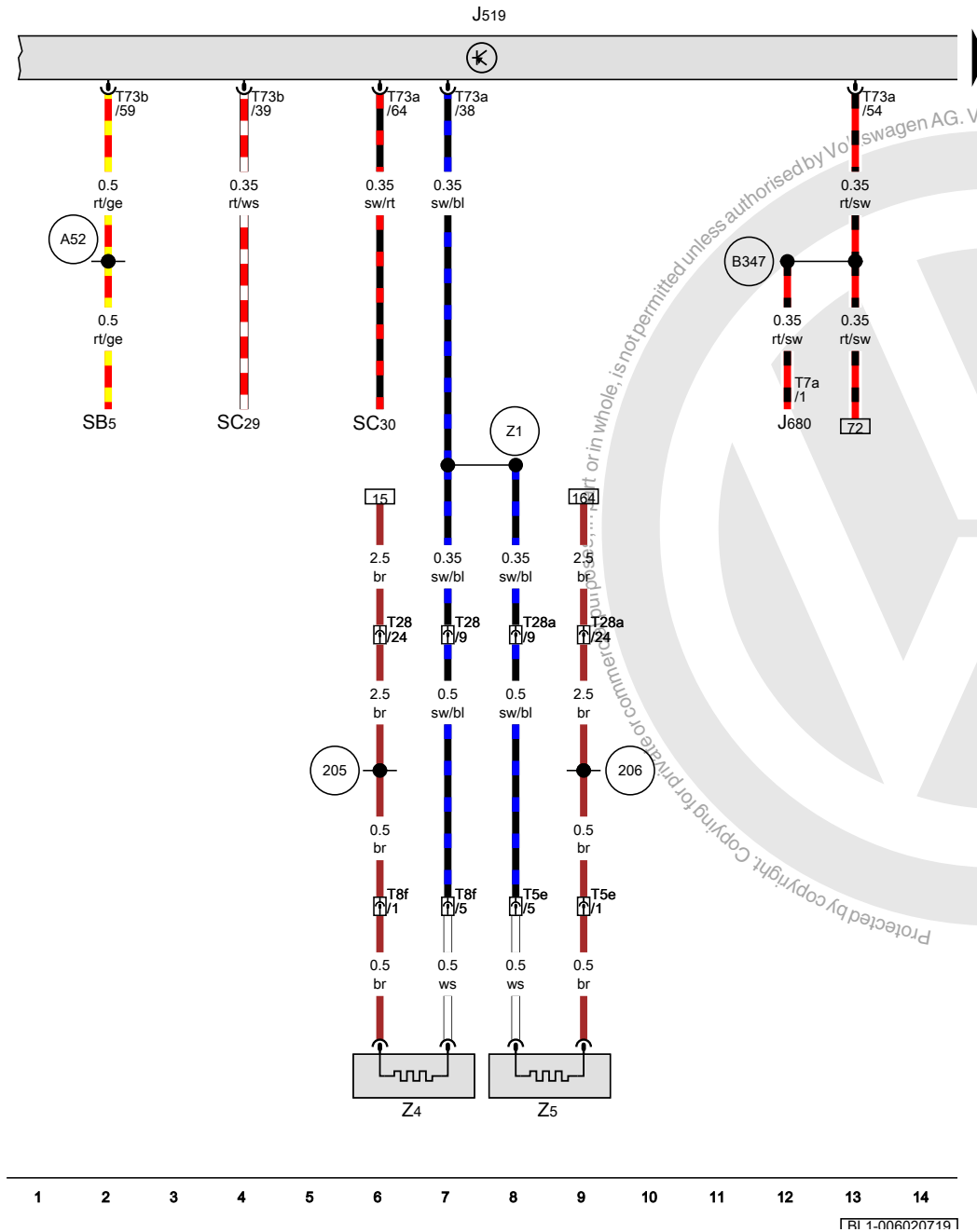
## Basic equipment

From July 2013



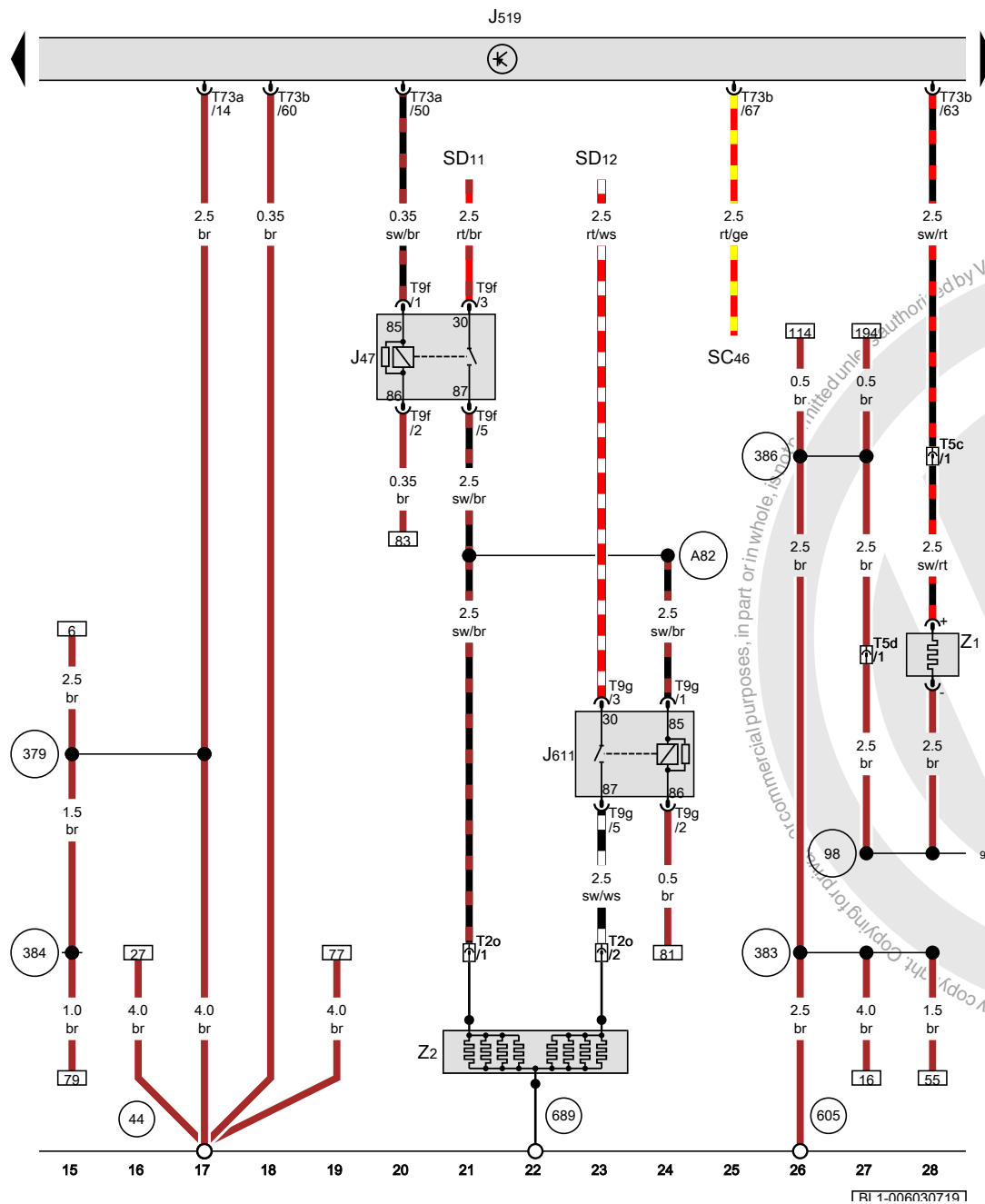
Onboard supply control unit, Terminal 75 voltage supply relay 1, Heated exterior mirror on driver side, Heated exterior mirror on passenger side

- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- SB5 Fuse 5 on fuse holder B
- SC29 Fuse 29 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- T5e 5-pin connector
- T7a 7-pin connector
- T8f 8-pin connector
- T28 28-pin connector, in front left door
- T28a 28-pin connector, in front right door
- T73a 73-pin connector
- T73b 73-pin connector
- Z4 Heated exterior mirror on driver side
- Z5 Heated exterior mirror on passenger side
- 205 Earth connection, in driver door wiring harness
- 206 Earth connection, in front passenger door wiring harness
- A52 Positive connection 2 (30), in dash panel wiring harness
- B347 Connection 2 (75), in main wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness



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Heated windscreen relay, Onboard supply control unit,  
Heated windscreen relay 2, Heated rear window, Heated  
windscreen

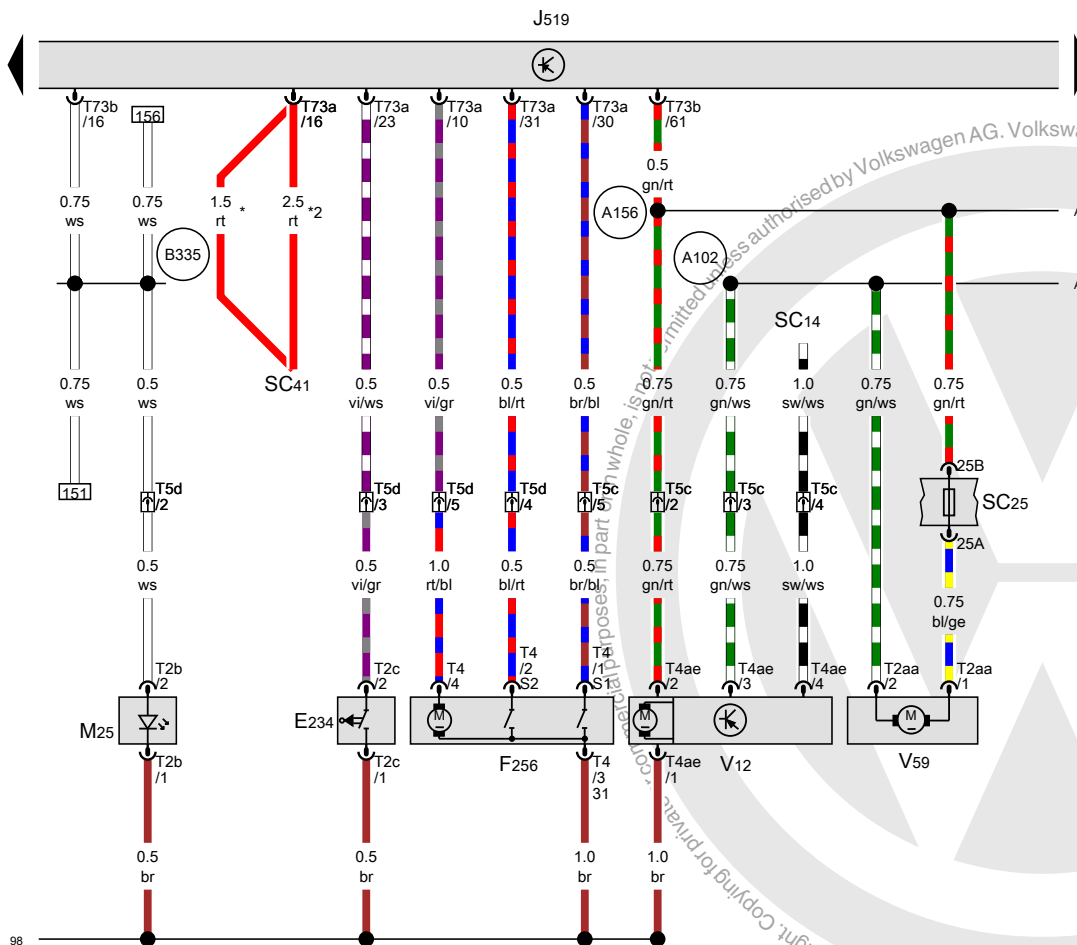


- J47 Heated windscreen relay
- J519 Onboard supply control unit
- J611 Heated windscreen relay 2
- SD11 Fuse 11 on fuse holder D
- SD12 Fuse 12 on fuse holder D
- SC46 Fuse 46 on fuse holder C
- T2o 2-pin connector
- T5c 5-pin connector, in rear lid
- T5d 5-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- Z1 Heated rear window
- Z2 Heated windscreen

- 44 Earth point, lower part of left A-pillar
- 98 Earth connection, in rear lid wiring harness
- 379 Earth connection 14, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- 689 Earth point, at front, central in roof
- A82 Connection (windscreen heater), in dash panel wiring harness

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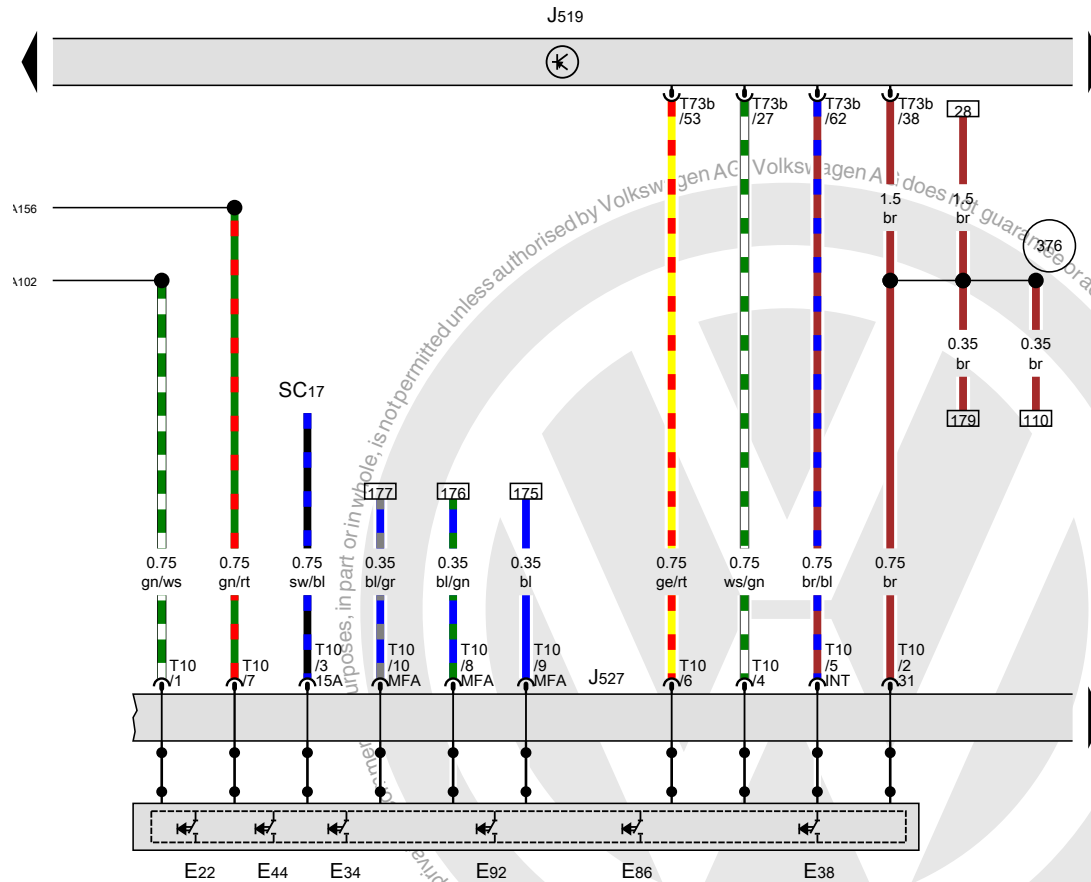
Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, High-level brake light bulb, Rear window wiper motor, Windscreen and rear window washer pump

- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- M25 High-level brake light bulb
- SC14 Fuse 14 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- T2aa 2-pin connector
- T2b 2-pin connector
- T2c 2-pin connector
- T4 4-pin connector
- T4ae 4-pin connector
- T5c 5-pin connector, in rear lid
- T5d 5-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V12 Rear window wiper motor
- V59 Windscreen and rear window washer pump

- 98 Earth connection, in rear lid wiring harness
- A102 Connection (windscreen wiper), in dash panel wiring harness
- A156 Connection (53c), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness

- \* From November 2013
- \*2 Up to November 2013

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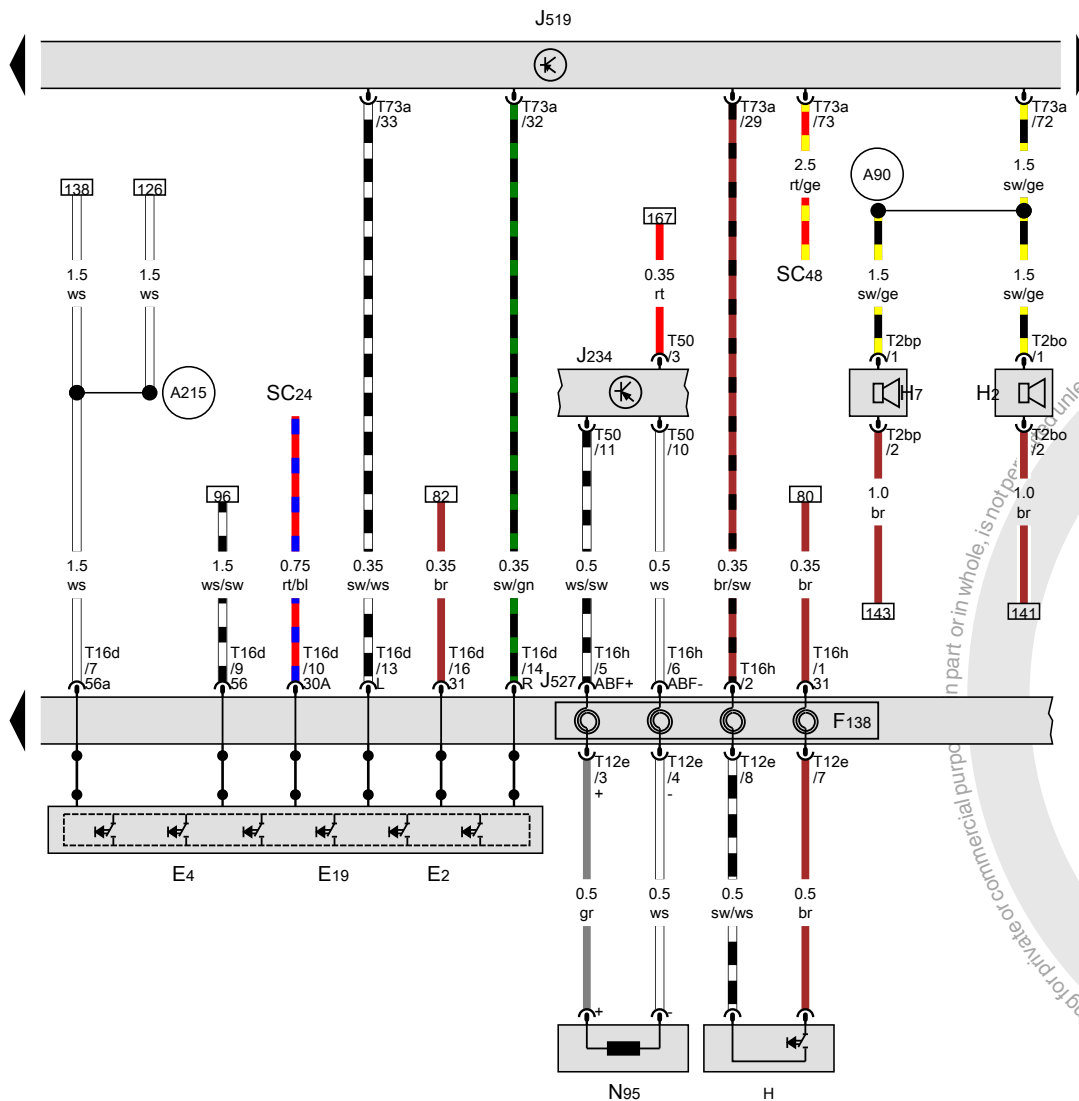


# Onboard supply control unit, Steering column electronics control unit

- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E86 Multifunction display call-up button
- E92 Reset button
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- SC17 Fuse 17 on fuse holder C
- T10 10-pin connector
- T73b 73-pin connector

- 376 Earth connection 11, in main wiring harness
- A102 Connection (windscreen wiper), in dash panel wiring harness
- A156 Connection (53c), in dash panel wiring harness

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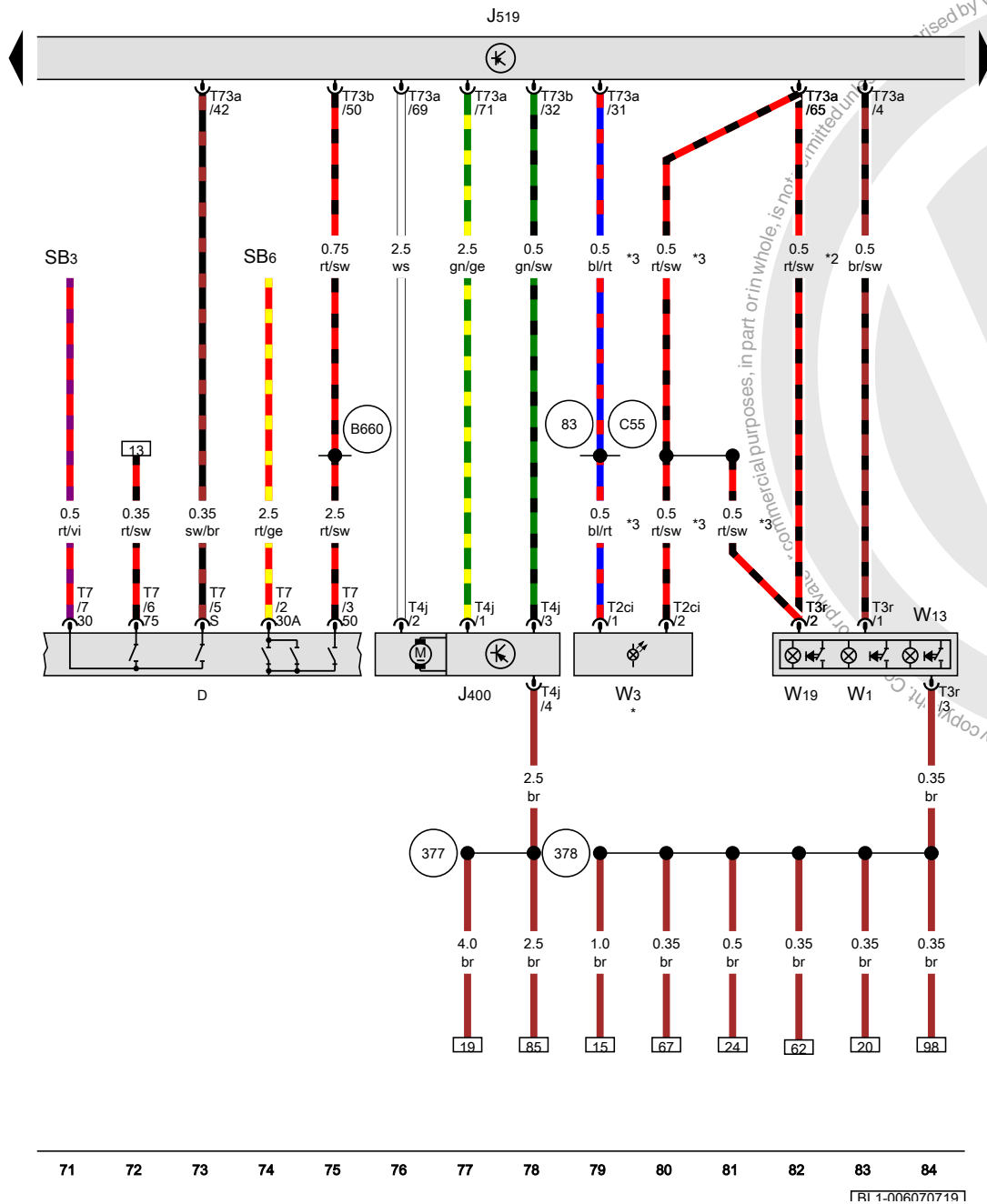
Turn signal switch, Airbag coil connector and return ring with slip ring, Horn plate, Treble horn, Bass horn, Onboard supply control unit, Steering column electronics control unit, Airbag igniter on driver side

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- H2 Treble horn
- H7 Bass horn
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N95 Airbag igniter on driver side
- SC24 Fuse 24 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- T2bo 2-pin connector
- T2bp 2-pin connector
- T12e 12-pin connector
- T16d 16-pin connector
- T16h 16-pin connector
- T50 50-pin connector
- T73a 73-pin connector

A90 Connection (dual tone horn), in dash panel wiring harness

A215 Connection 2 (56a), in dash panel wiring harness

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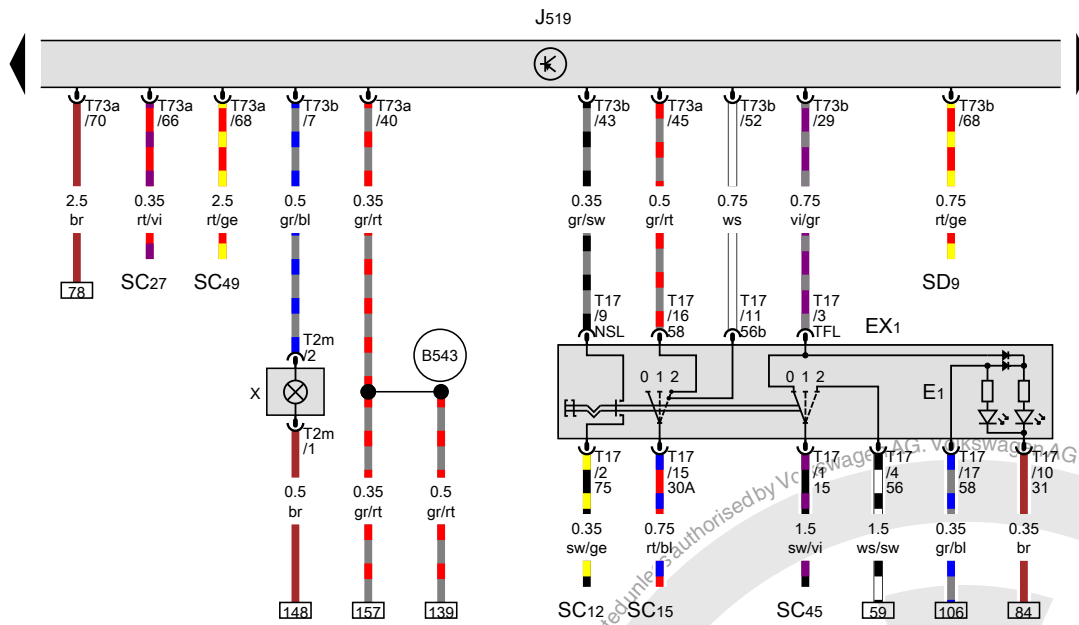


Wiper motor control unit, Onboard supply control unit, Front interior light, Luggage compartment light, Front passenger reading light, Driver side reading light

- D Ignition/starter switch
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- SB3 Fuse 3 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- T2ci 2-pin connector, black
- T3r 3-pin connector
- T4j 4-pin connector
- T7 7-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- W1 Front interior light
- W3 Luggage compartment light
- W13 Front passenger reading light
- W19 Driver side reading light
- 83 Earth connection 1, in front right wiring harness
- 377 Earth connection 12, in main wiring harness
- 378 Earth connection 13, in main wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- C55 Positive connection (30a), in front left wiring harness
- \* According to equipment
- \*2 For models with no luggage compartment light
- \*3 For models with luggage compartment light

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### Rotary light switch, Onboard supply control unit



- |      |   |
|------|---|
| EX1  | Rotary light switch                               |
| E1   | Light switch                                      |
| J519 | Onboard supply control unit                       |
| SD9  | Fuse 9 on fuse holder D                           |
| SC12 | Fuse 12 on fuse holder C                          |
| SC15 | Fuse 15 on fuse holder C                          |
| SC27 | Fuse 27 on fuse holder C                          |
| SC45 | Fuse 45 on fuse holder C                          |
| SC49 | Fuse 49 on fuse holder C                          |
| T2m  | 2-pin connector                                   |
| T17  | 17-pin connector                                  |
| T73a | 73-pin connector                                  |
| T73b | 73-pin connector                                  |
| X    | Number plate light                                |
| B543 | Positive connection (58R), in main wiring harness |

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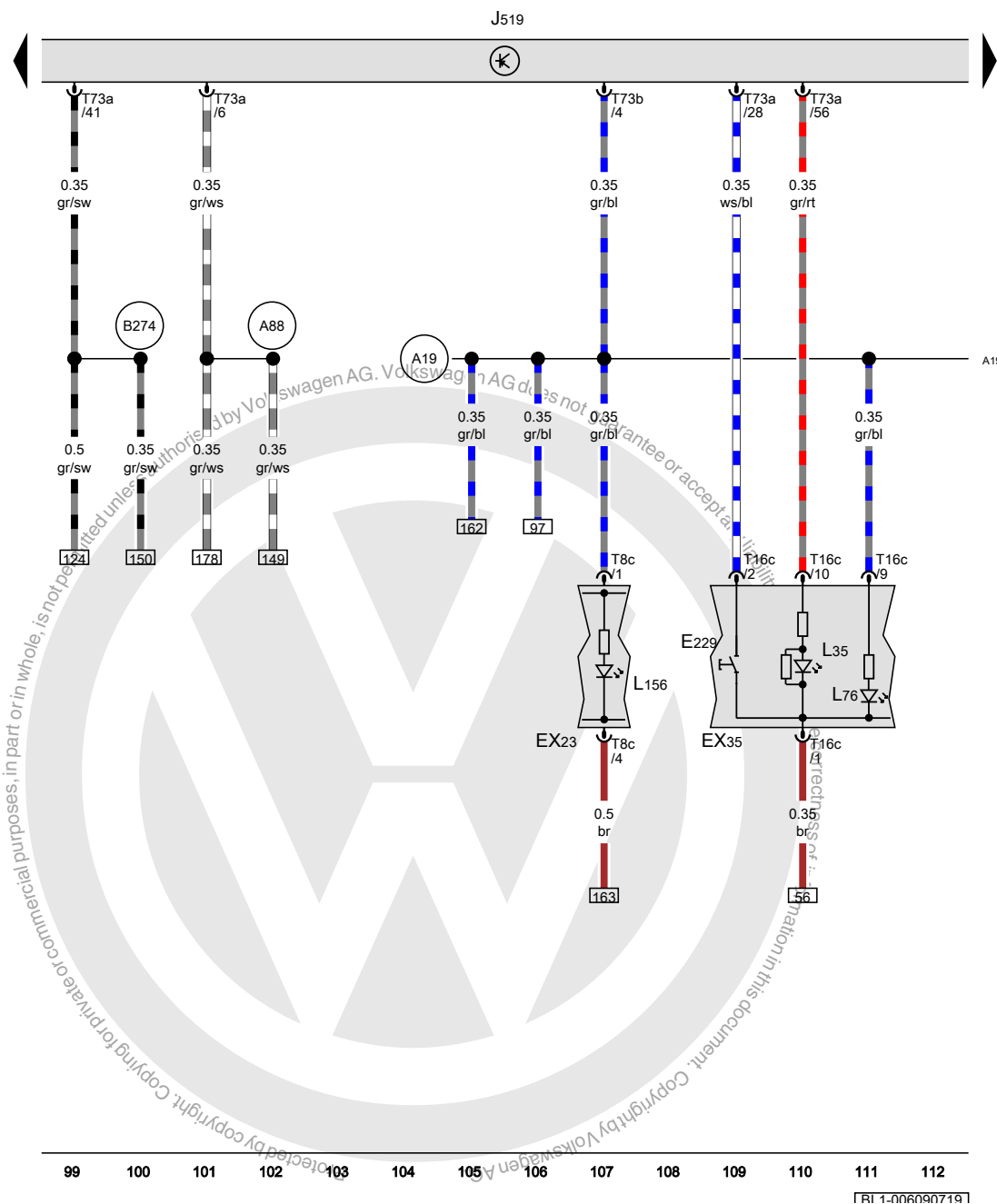
Hazard warning lights button, Onboard supply control unit

- EX23 Switch module 1 in centre console
- EX35 Centre switch module 2 in dash panel
- E229 Hazard warning lights button
- J519 Onboard supply control unit
- L35 Hazard warning lights switch illumination bulb
- L76 Button illumination bulb
- L156 Switch illumination bulb
- T8c 8-pin connector
- T16c 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

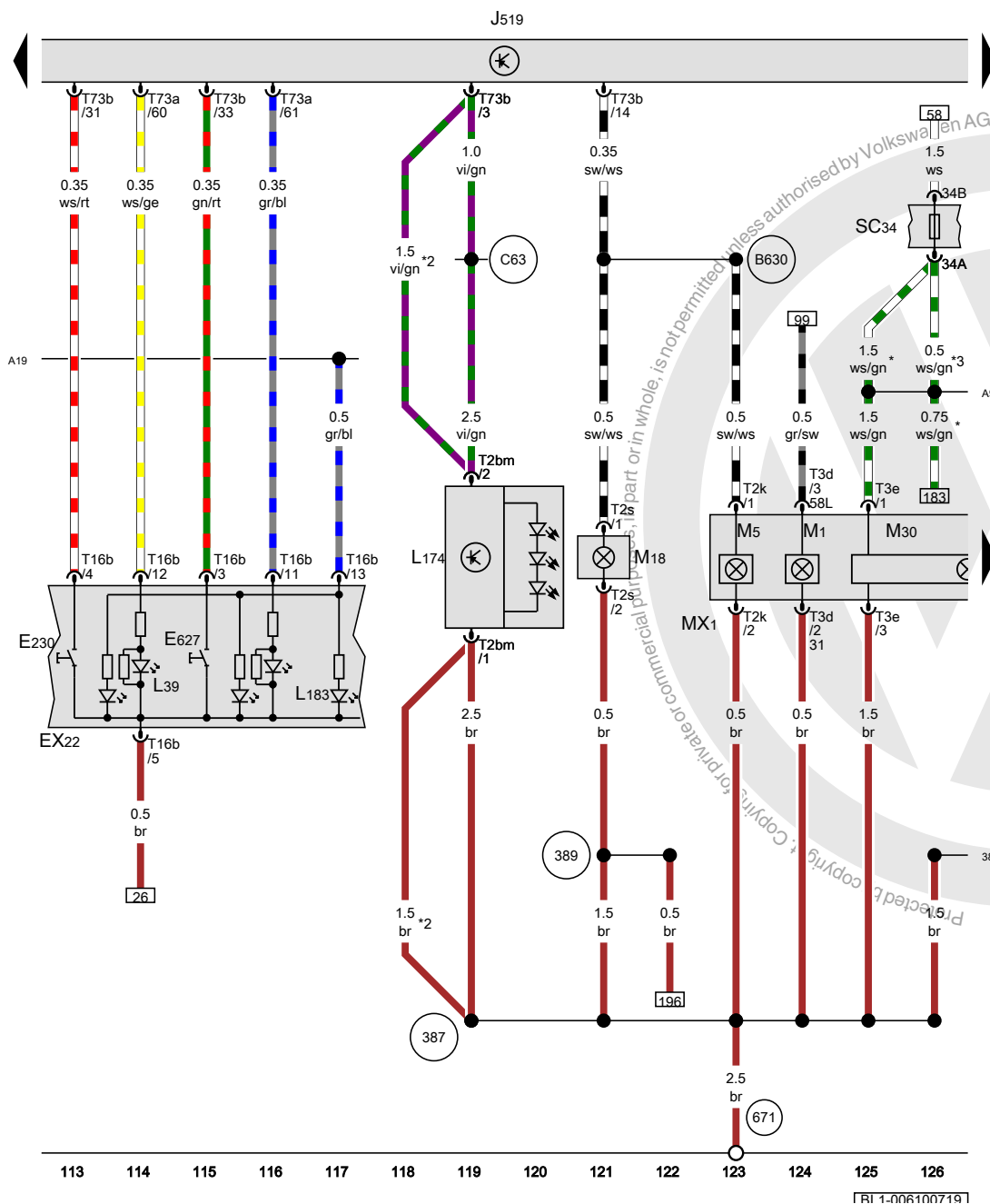
A19 Connection (58d), in dash panel wiring harness

A88 Connection (RFL), in dash panel wiring harness

B274 Positive connection (58L), in main wiring harness



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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Heated rear window button, Onboard supply control unit, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left turn signal repeater bulb, Left headlight main beam bulb

- EX22 Centre switch module in dash panel
- E230 Heated rear window button
- E627 Heated windscreen button
- J519 Onboard supply control unit
- L39 Heated rear window switch illumination bulb
- L174 Left daytime running light bulb
- L183 Bulb for heated windscreen switch illumination
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M18 Left turn signal repeater bulb
- M30 Left headlight main beam bulb
- SC34 Fuse 34 on fuse holder C
- T2bm 2-pin connector
- T2k 2-pin connector
- T2s 2-pin connector
- T3d 3-pin connector
- T3e 3-pin connector
- T16b 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 389 Earth connection 24, in main wiring harness

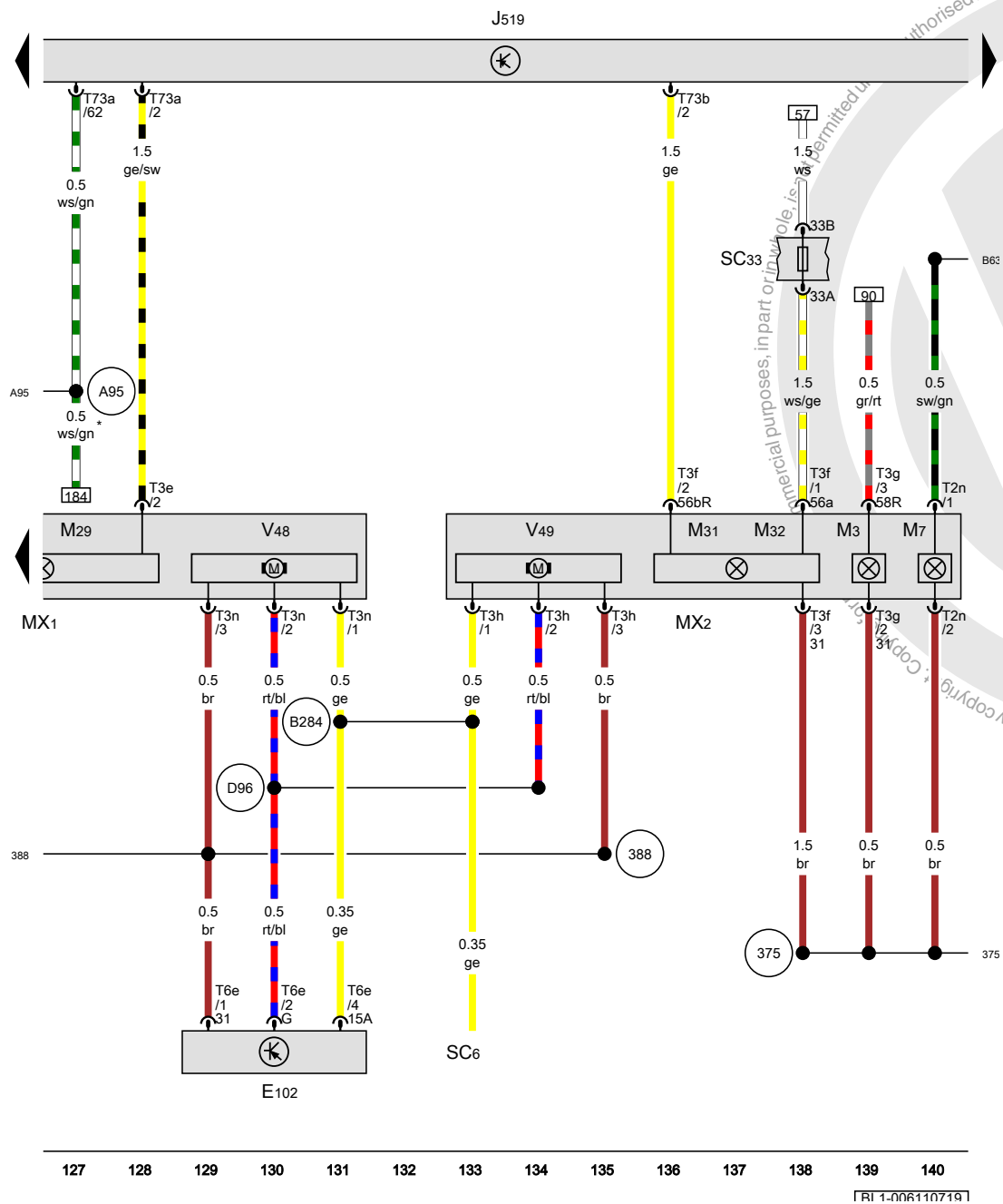
- 671 Earth point 1, on front of left longitudinal member
- A19 Connection (58d), in dash panel wiring harness
- A95 Connection 1 (56a), in dash panel wiring harness

- B630 Positive connection (left turn signal bulb), in main wiring harness

- C63 Positive connection 1, in daytime running light wiring harness

- \* From May 2014
- \*2 For right-hand drive models
- \*3 Up to May 2014

ws = white  
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Headlight range control regulator, Onboard supply control unit, Front left headlight, Front right headlight, Right side light bulb, Front right turn signal bulb, Left headlight dipped beam bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Left headlight range control motor, Right headlight range control motor

- E102 Headlight range control regulator
- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M29 Left headlight dipped beam bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- SC6 Fuse 6 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T2n 2-pin connector
- T3e 3-pin connector
- T3f 3-pin connector
- T3g 3-pin connector
- T3h 3-pin connector
- T3n 3-pin connector
- T6e 6-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V48 Left headlight range control motor
- V49 Right headlight range control motor

375 Earth connection 10, in main wiring harness

388 Earth connection 23, in main wiring harness

A95 Connection 1 (56a), in dash panel wiring harness

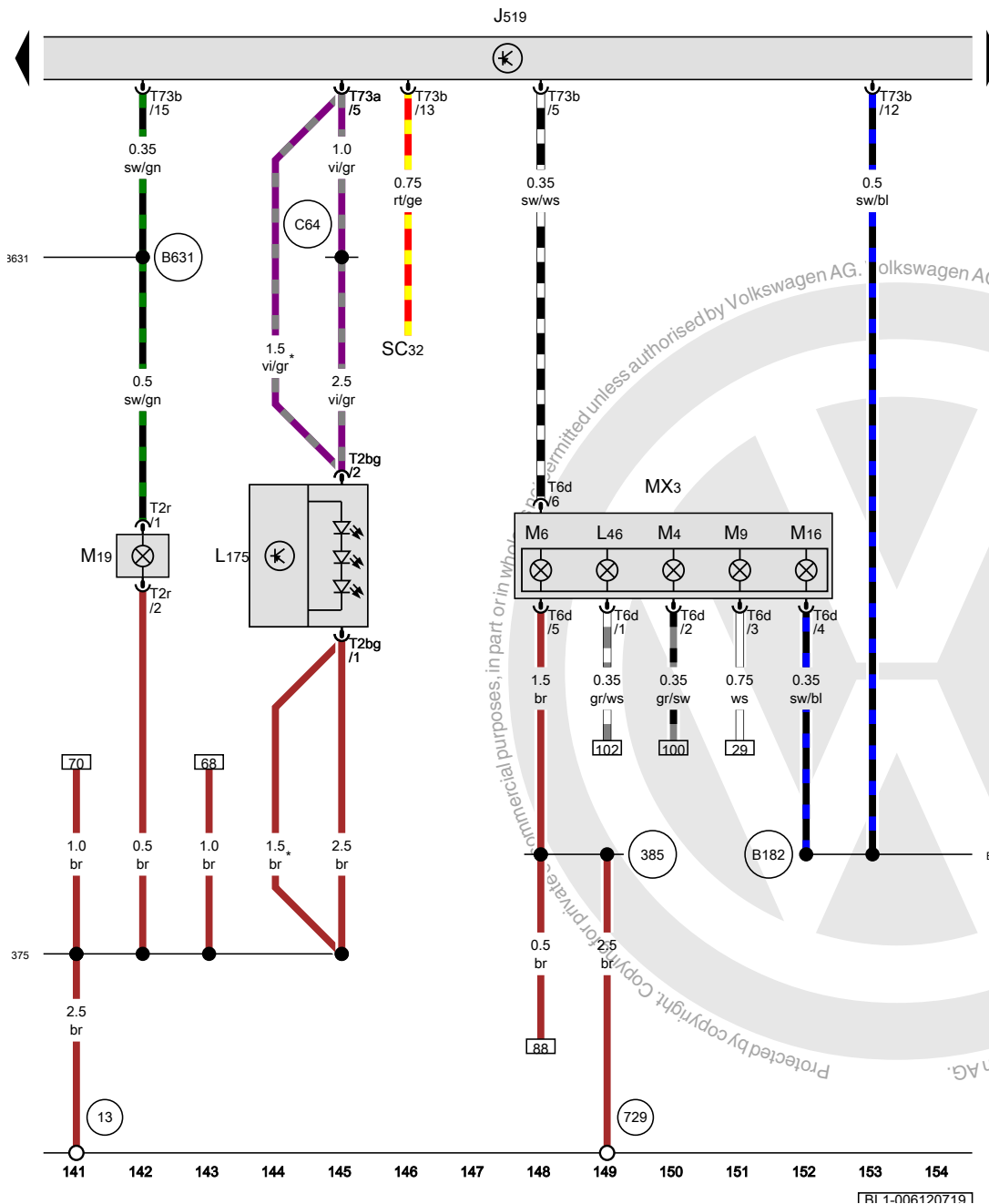
B284 Positive connection 8 (15a) in main wiring harness

B631 Positive connection (right turn signal bulb), in main wiring harness

D96 Connection (headlight range control), in engine compartment wiring harness

\* Up to May 2014



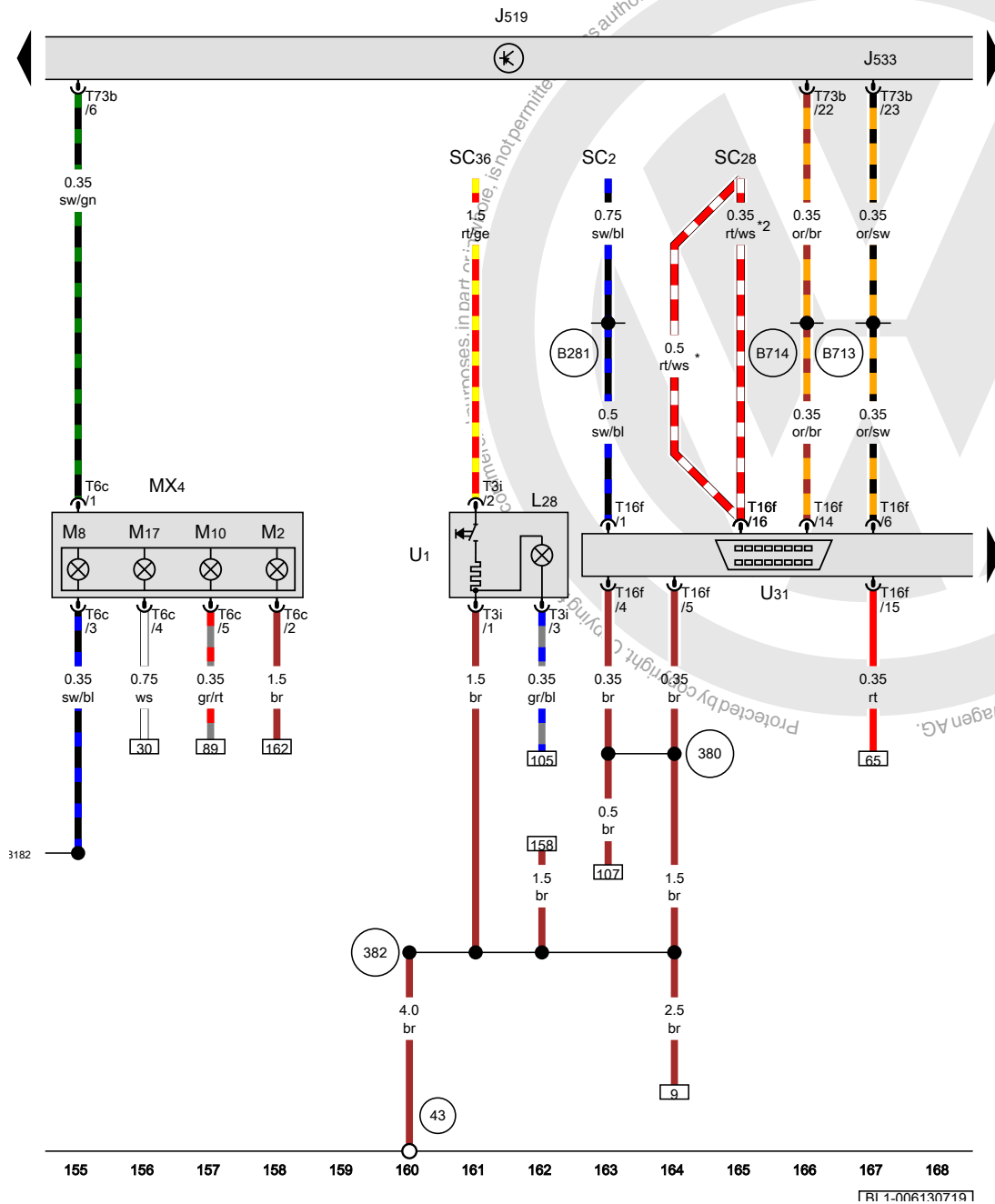


Onboard supply control unit, Rear left fog light bulb, Right daytime running light bulb, Left tail light cluster, Left tail light bulb, Rear left turn signal bulb, Left brake light bulb, Left reversing light bulb, Right turn signal repeater bulb

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L175 Right daytime running light bulb
- MX3 Left tail light cluster
- M4 Left tail light bulb
- M6 Rear left turn signal bulb
- M9 Left brake light bulb
- M16 Left reversing light bulb
- M19 Right turn signal repeater bulb
- SC32 Fuse 32 on fuse holder C
- T2bg 2-pin connector
- T2r 2-pin connector
- T6d 6-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 13 Earth point, on right in engine compartment
- 375 Earth connection 10, in main wiring harness
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- B182 Connection (RL), in interior wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- C64 Positive connection 2, in daytime running light wiring harness
- \* For right-hand drive models

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 or = orange  
 rs = pink



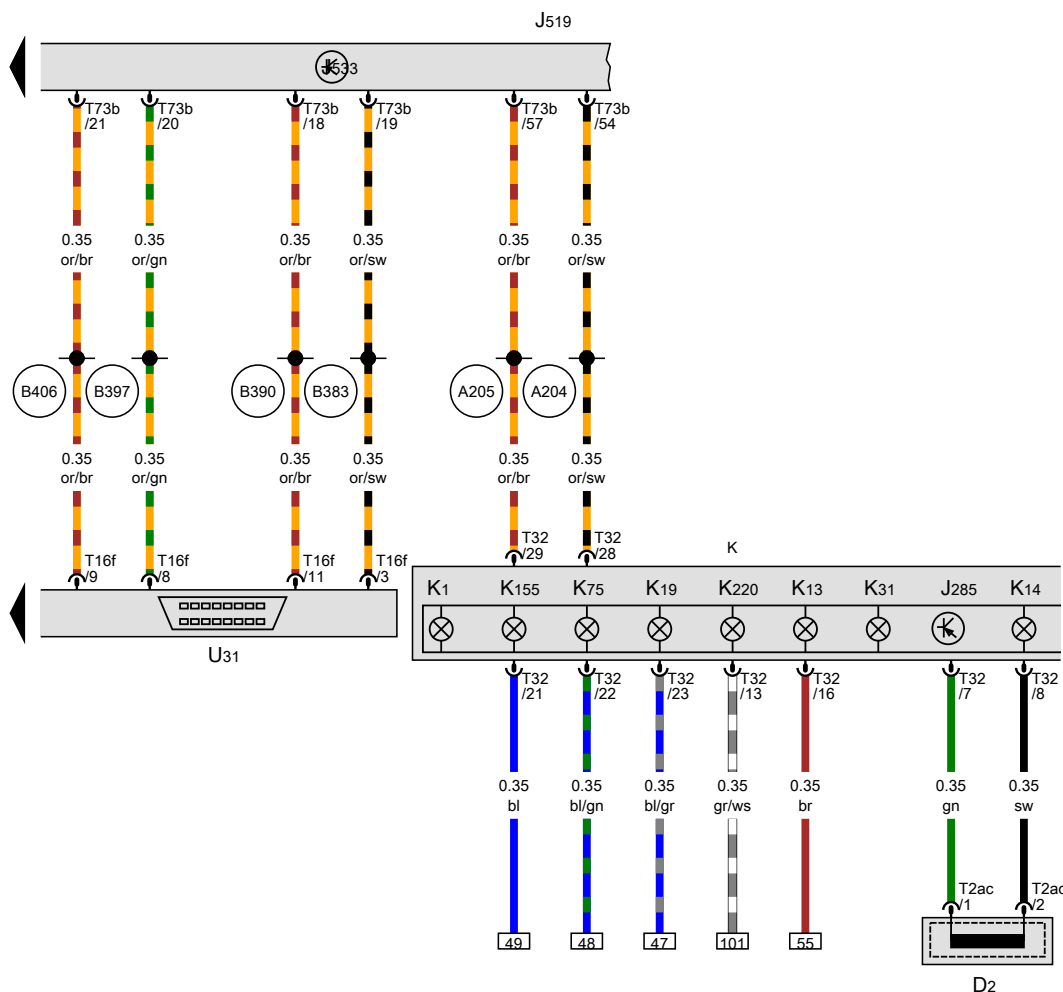
Onboard supply control unit, Right tail light bulb, Right tail light cluster, Rear right turn signal bulb, Right brake light bulb, Right reversing light bulb, Cigarette lighter, Diagnostic connection

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- L28 Cigarette lighter illumination bulb
- M2 Right tail light bulb
- MX4 Right tail light cluster
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M17 Right reversing light bulb
- SC2 Fuse 2 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T3i 3-pin connector
- T6c 6-pin connector
- T16f 16-pin connector
- T73b 73-pin connector
- U1 Cigarette lighter
- U31 Diagnostic connection
- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- B182 Connection (RL), in interior wiring harness
- B281 Positive connection 5 (15a) in main wiring harness
- B713 Connection 1 (CAN bus diagnosis, high), in main wiring harness
- B714 Connection 1 (CAN bus diagnosis, low), in main wiring harness

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 ro = red  
 rt = red  
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 rs = pink

\* From May 2014  
 \*2 Up to May 2014

FR 1-006130719



Immobiliser reader coil, Control unit in dash panel insert, Onboard supply control unit, Dash panel insert, Diagnostic connection

- D2 Immobiliser reader coil
- 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
- K13 Rear fog light warning lamp
- K14 Handbrake warning lamp
- K19 Seat belt warning system warning lamp
- K31 Cruise control system warning lamp
- K75 Airbag warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K220 Tyre Pressure Loss Indicator warning lamp
- T2ac 2-pin connector
- T16f 16-pin connector
- T32 32-pin connector
- T73b 73-pin connector
- U31 Diagnostic connection
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert 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
- 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  
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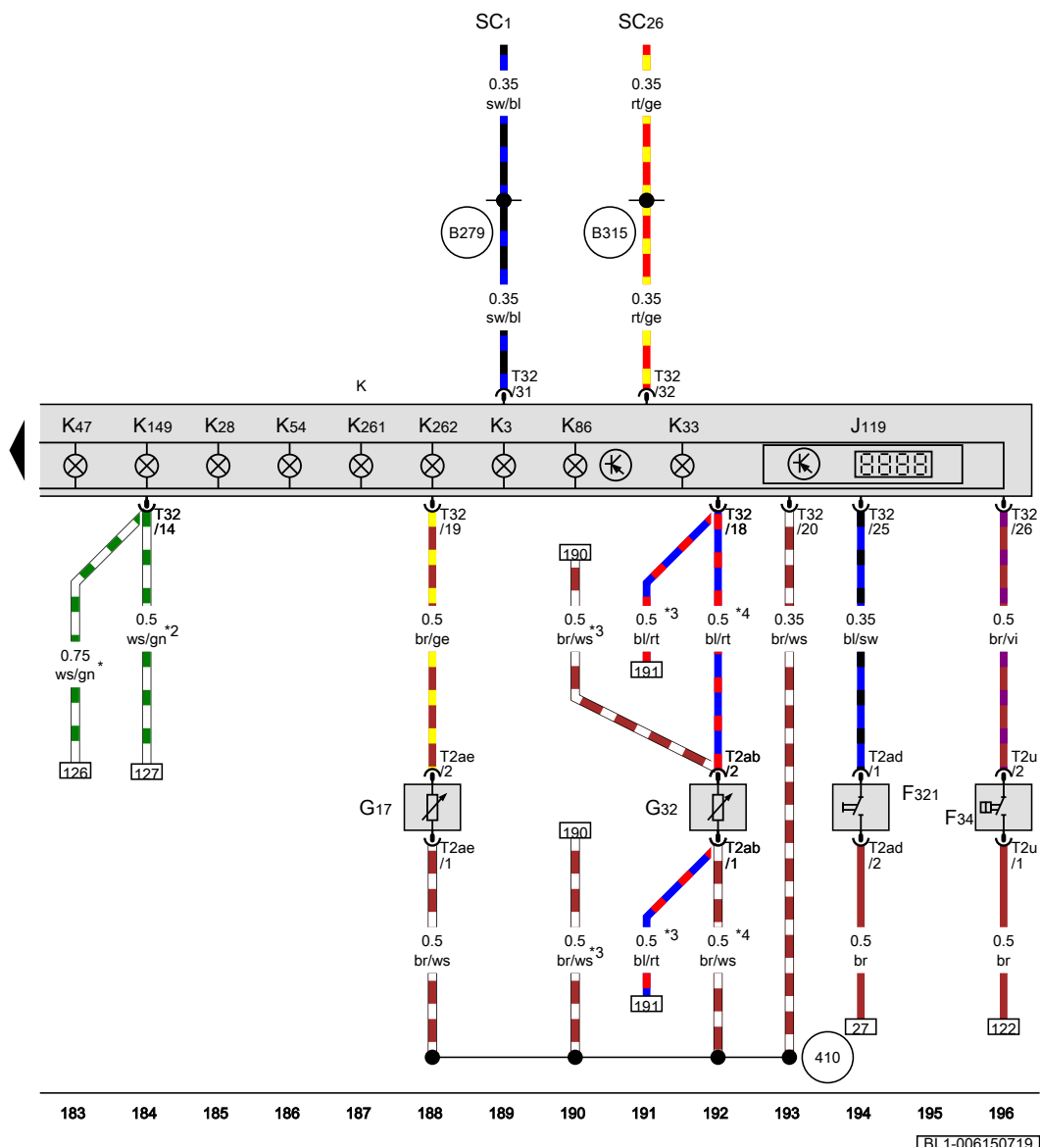
**Brake fluid level warning contact, Parking brake contact switch, Ambient temperature sensor, Coolant shortage indicator sender, Dash panel insert**

- |      |  |
|------|--|
| F34  | Brake fluid level warning contact                                    |
| F321 | Parking brake contact switch   |
| G17  | Ambient temperature sensor   |
| G32  | Coolant shortage indicator sender                                    |
| J119 | Multifunction indicator  |
| K    | Dash panel insert  |
| K3   | Oil pressure warning lamp  |
| K28  | Coolant temperature and coolant shortage warning lamp                |
| K33  | Brake fluid level warning lamp                                       |
| K47  | ABS warning lamp   |
| K54  | Battery charge condition warning lamp: red LED for less than 12 Volt |
| K86  | Traction control system warning lamp                                 |
| K149 | Engine electronics warning lamp                                      |
| K261 | Warning lamp for left turn signal                                    |
| K262 | Warning lamp for right turn signal                                   |
| SC1  | Fuse 1 on fuse holder C  |
| SC26 | Fuse 26 on fuse holder C   |
| T2ab | 2-pin connector  |
| T2ad | 2-pin connector  |
| T2ae | 2-pin connector  |
| T2u  | 2-pin connector  |
| T32  | 32-pin connector   |

- |      |  |
|------|--|
| 410  | Earth connection 1 (sender earth) in main wiring harness |
| B279 | Positive connection 3 (15a) in main wiring harness       |
| B315 | Positive connection 1 (30a) in main wiring harness       |

- \* From May 2014
- \*2 Up to May 2014
- \*3 From November 2014
- \*4 Up to November 2014

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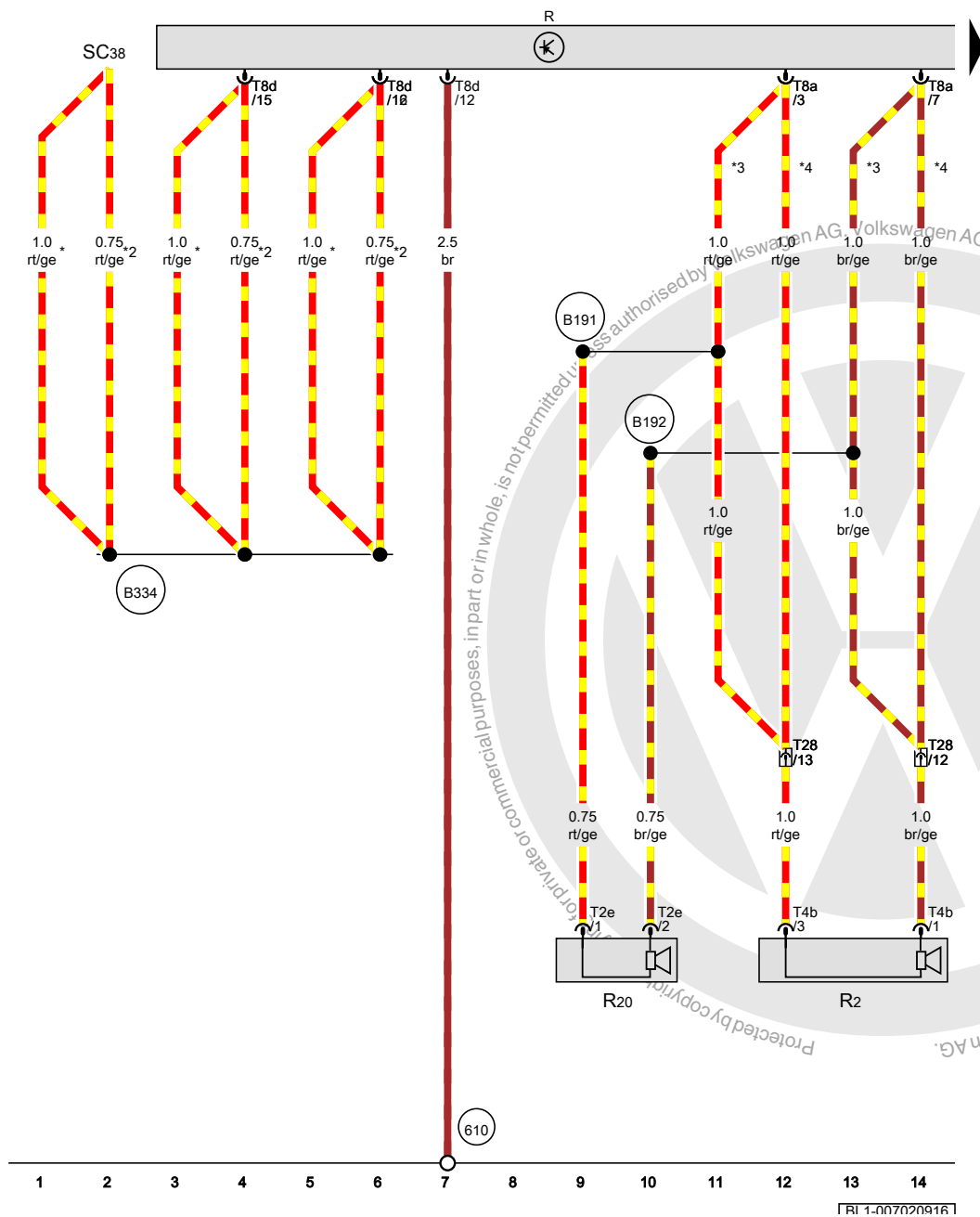


## Radio system

From July 2013

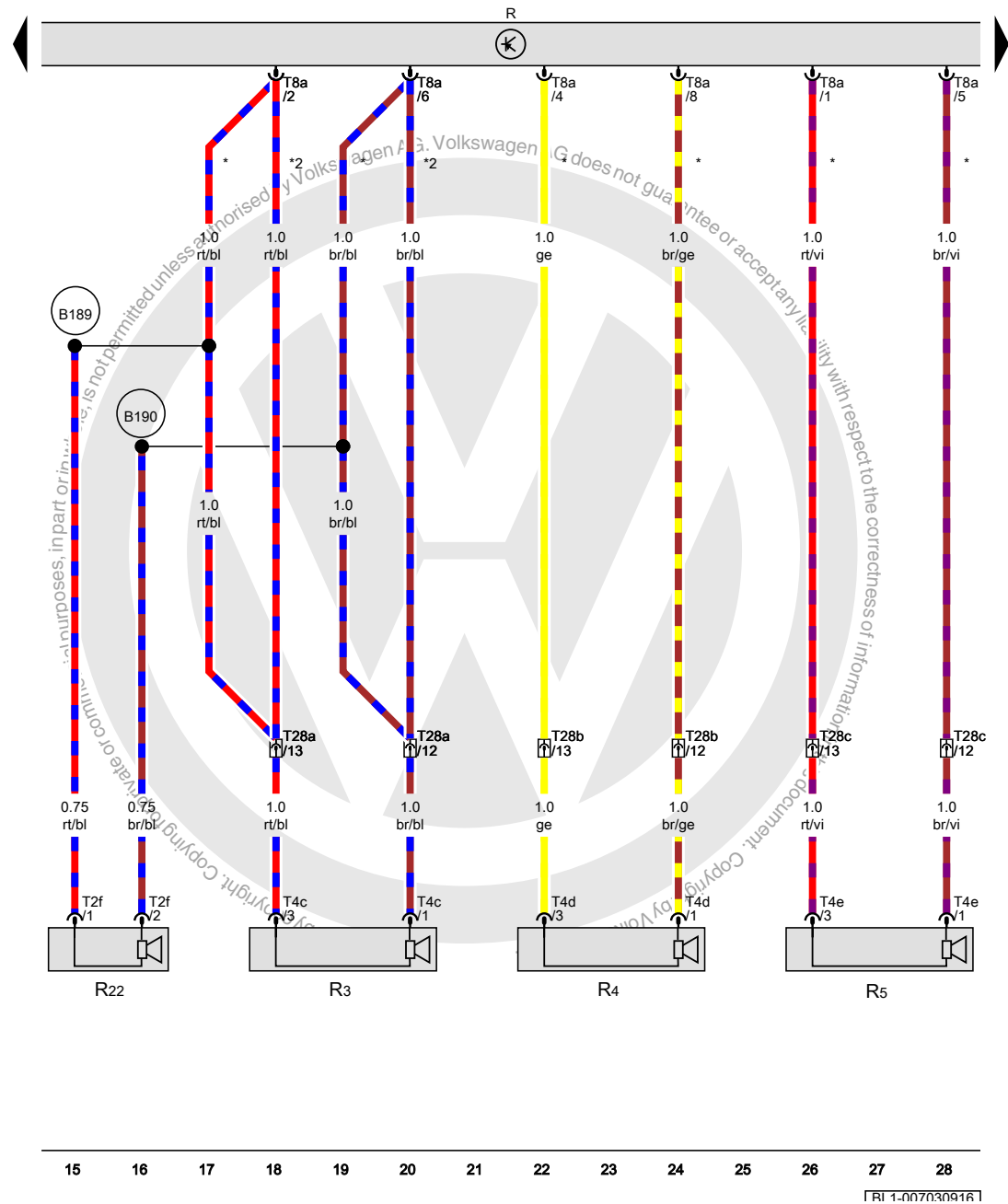


Radio, Front left loudspeaker, Front left treble loudspeaker



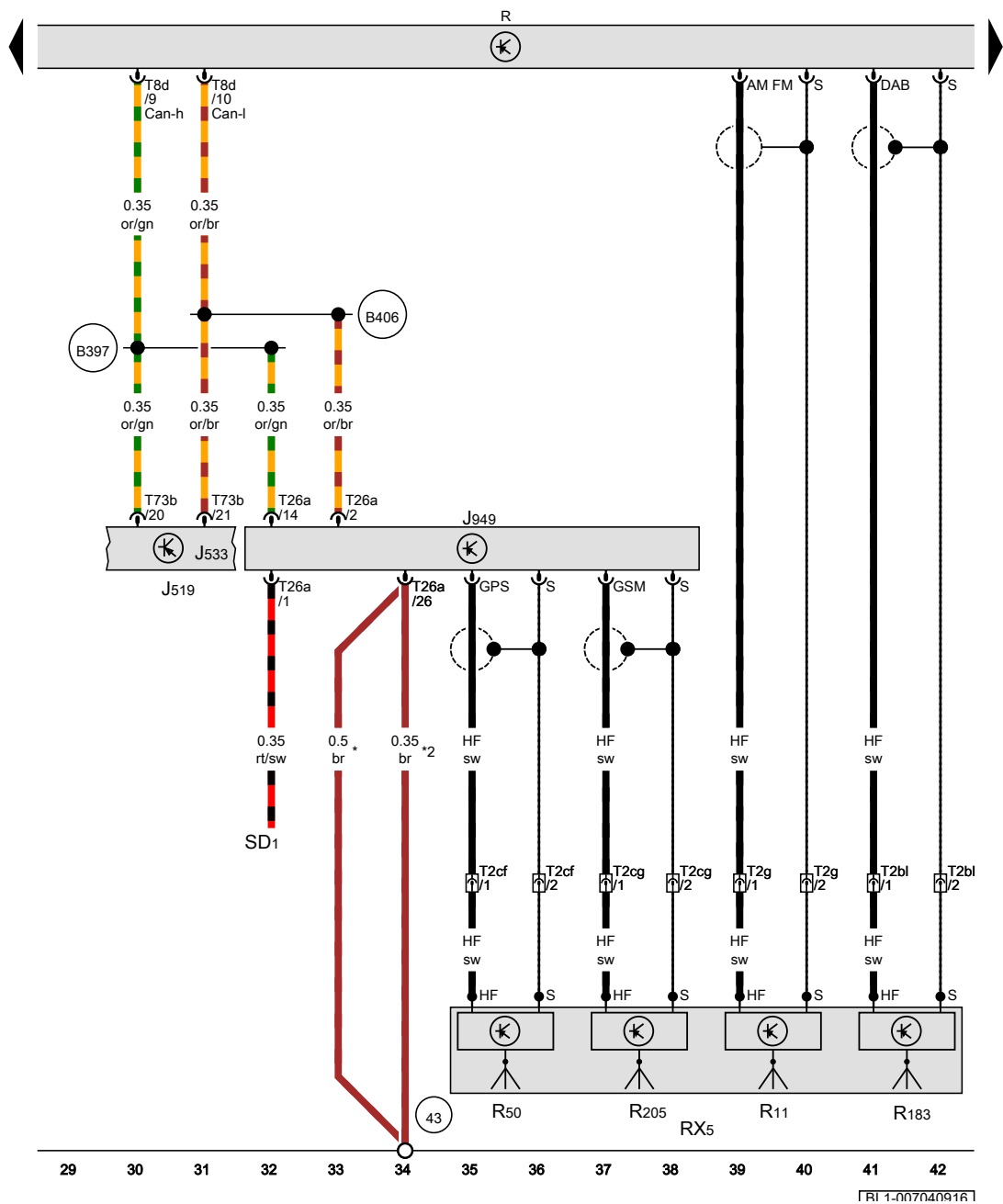
- 610 Earth point (audio), front below centre console
  - B191 Connection (positive, front left loudspeaker), in interior wiring harness
  - B192 Connection (negative, front left loudspeaker), in interior wiring harness
  - B334 Positive connection 20 (30a) in main wiring harness
- \*1 From November 2013  
 \*2 Up to November 2013  
 \*3 Only models with equipment (6-passive loudspeakers)  
 \*4 Only models with 2 loudspeakers (8RD)

**Radio, Front right loudspeaker, Rear left loudspeaker, Rear right loudspeaker, Front right treble loudspeaker**



- |      |  |
|------|--|
| R    | Radio  |
| R3   | Front right loudspeaker, in front passenger door                           |
| R4   | Rear left loudspeaker  |
| R5   | Rear right loudspeaker   |
| R22  | Front right treble loudspeaker   |
| T2f  | 2-pin connector  |
| T4c  | 4-pin connector  |
| T4d  | 4-pin connector  |
| T4e  | 4-pin connector  |
| T8a  | 8-pin connector  |
| T28a | 28-pin connector, on right A-pillar  |
| T28b | 28-pin connector, on left B-pillar   |
| T28c | 28-pin connector, on right B-pillar  |
| B189 | Connection (positive, front right loudspeaker), in interior wiring harness |
| B190 | Connection (negative, front right loudspeaker), in interior wiring harness |
| *    | Only models with equipment (6-passive loudspeakers)                        |
| *2   | Only models with 2 loudspeakers (8RD)                                      |

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Onboard supply control unit, Data bus diagnostic interface, Emergency call module control unit and communication unit, Radio, Roof aerial, Aerial, GPS aerial, Digital radio aerial

- |      |   |
|------|---|
| J519 | Onboard supply control unit                               |
| J533 | Data bus diagnostic interface                             |
| J949 | Emergency call module control unit and communication unit |
| R    | Radio   |
| RX5  | Roof aerial   |
| R11  | Aerial  |
| R50  | GPS aerial  |
| R183 | Digital radio aerial                                      |
| R205 | GSM aerial  |
| SD1  | Fuse 1 on fuse holder D                                   |
| T2bl | 2-pin connector   |
| T2cf | 2-pin connector   |
| T2cg | 2-pin connector   |
| T2g  | 2-pin connector, near roof aerial                         |
| T8d  | 8-pin connector   |
| T26a | 26-pin connector  |
| T73b | 73-pin connector  |

- |      |  |
|------|--|
| 43   | Earth point, lower part of 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  |

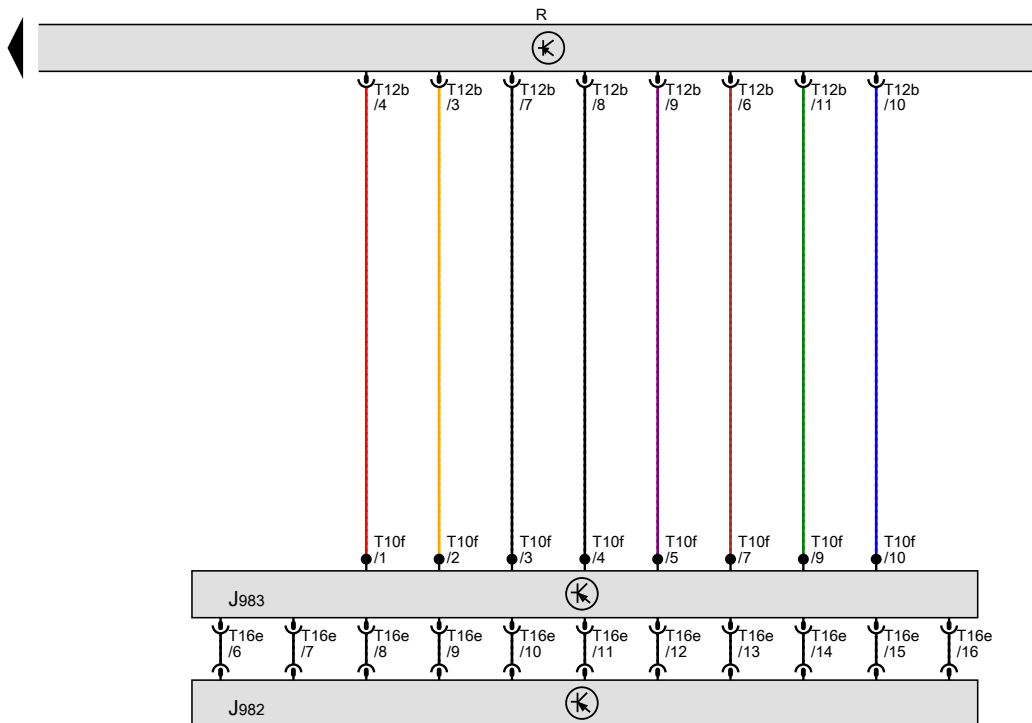
- \* From November 2013  
\*2 Up to November 2013

- ws = white  
sw = black  
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Portable navigation and infotainment system, Interface for portable navigation and infotainment system, Radio

- J982 Portable navigation and infotainment system
- J983 Interface for portable navigation and infotainment system
- R Radio
- T10f 10-pin connector
- T12b 12-pin connector
- T16e 16-pin connector



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

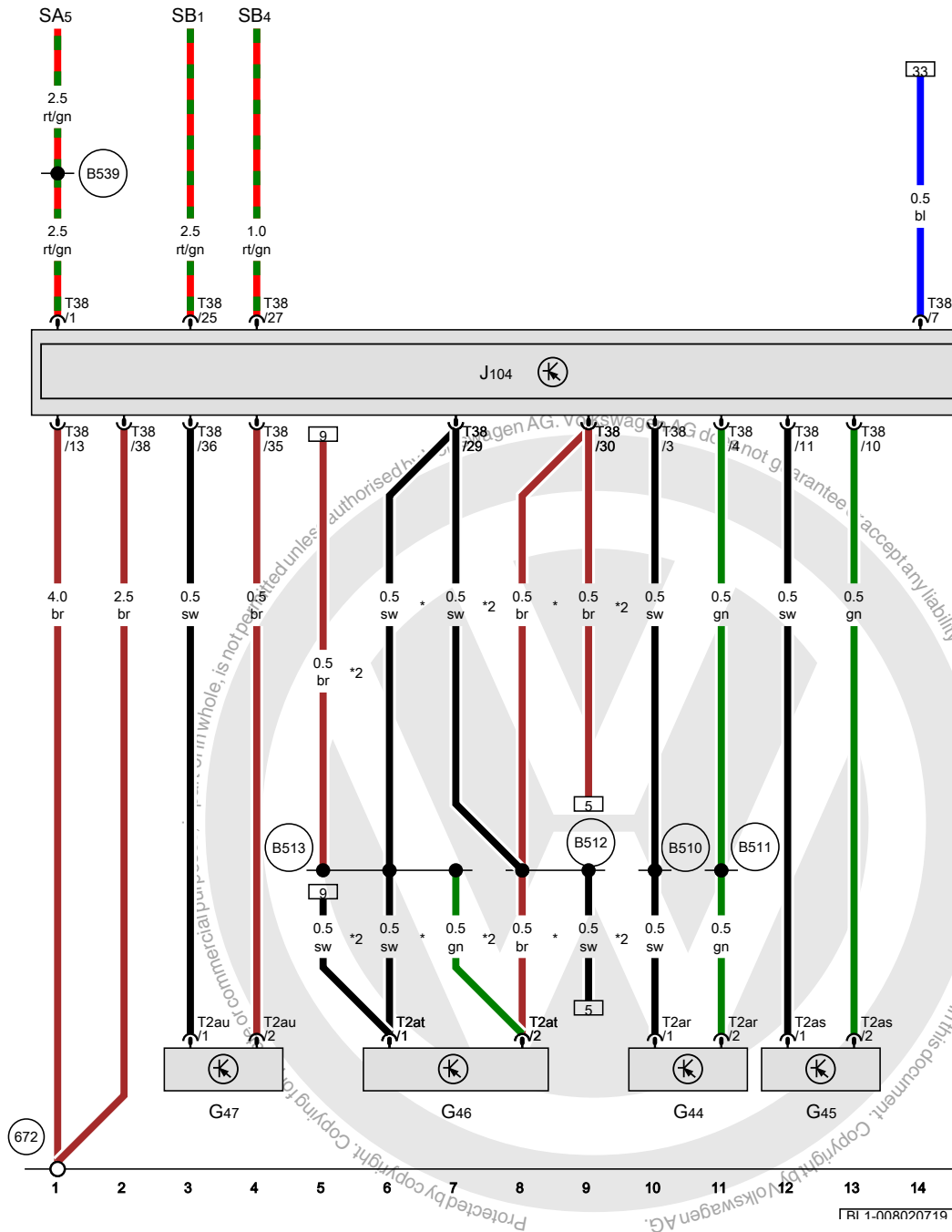
43 44 45 46 47 48 49 50 51 52 53 54 55 56

[RI 1-007050916]

## Anti-lock brake system (ABS) with electronic stabilisation program (ESP)

From July 2013





Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, ABS control unit

- |      |                          |
|------|--------------------------|
| G44  | Rear right speed sensor  |
| G45  | Front right speed sensor |
| G46  | Rear left speed sensor   |
| G47  | Front left speed sensor  |
| J104 | ABS control unit         |
| SB1  | Fuse 1 on fuse holder B  |
| SB4  | Fuse 4 on fuse holder B  |
| SA5  | Fuse 5 on fuse holder A  |
| T2ar | 2-pin connector          |
| T2as | 2-pin connector          |
| T2at | 2-pin connector          |
| T2au | 2-pin connector          |
| T38  | 38-pin connector         |

- 672 Earth point 2, on front of left longitudinal member
- B510 Connection 1 (rear right speed sensor), in interior wiring harness
- B511 Connection 2 (rear right speed sensor), in interior wiring harness
- B512 Connection 1 (rear left speed sensor), in interior wiring harness
- B513 Connection 2 (rear left speed sensor), in interior wiring harness
- B539 Connection 30, in main wiring harness

- \* Up to August 2016  
\*2 From August 2016

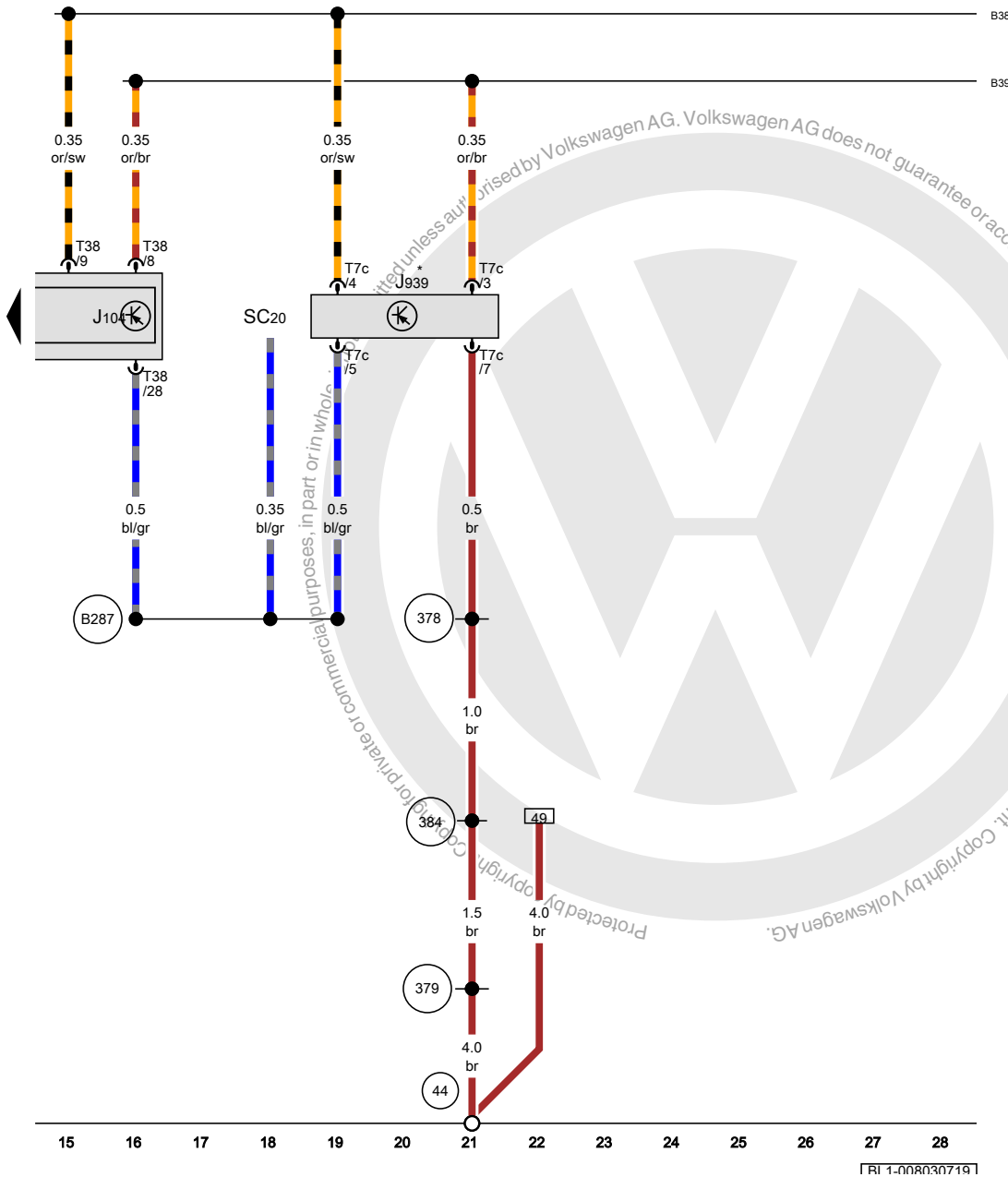
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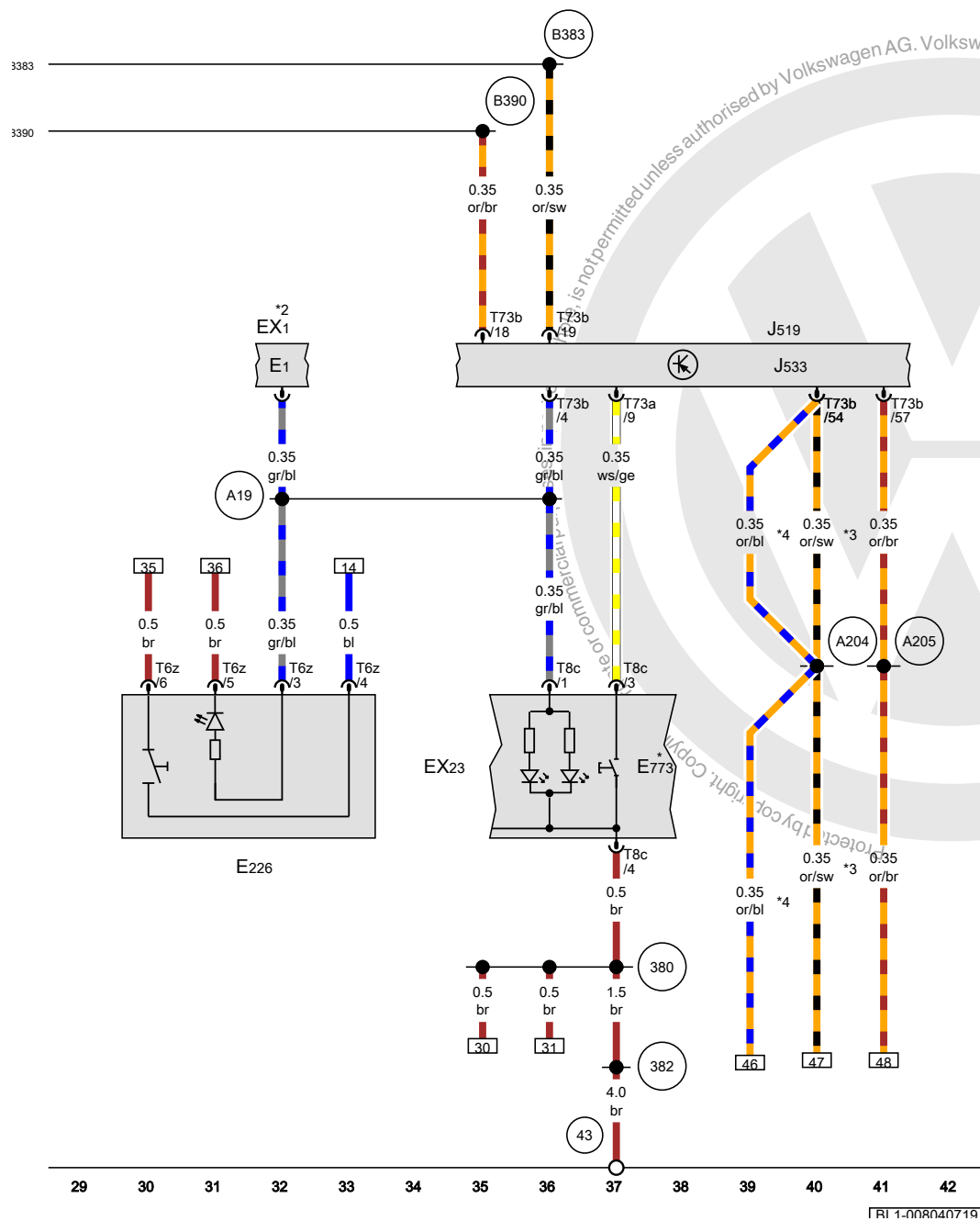
ABS control unit, Emergency braking function sensor unit

J104 ABS control unit  
J939 Emergency braking function sensor unit  
SC20 Fuse 20 on fuse holder C  
T7c 7-pin connector  
T38 38-pin connector

- 44 Earth point, lower part of left A-pillar
- 378 Earth connection 13, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- B287 Positive connection 11 (15a) 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
- \* Optional equipment

ws = white  
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# Tyre Pressure Monitoring System button, Button for emergency braking function, Onboard supply control unit

- EX1 Rotary light switch
- E1 Light switch
- EX23 Switch module 1 in centre console
- E226 Tyre Pressure Monitoring System button, in glove compartment
- E773 Button for emergency braking function
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T6z 6-pin connector
- T8c 8-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- A19 Connection (58d), in dash panel wiring harness
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert 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

- \* Optional equipment
- \*2 see applicable current flow diagram for basic equipment
- \*3 Up to August 2016
- \*4 From August 2016

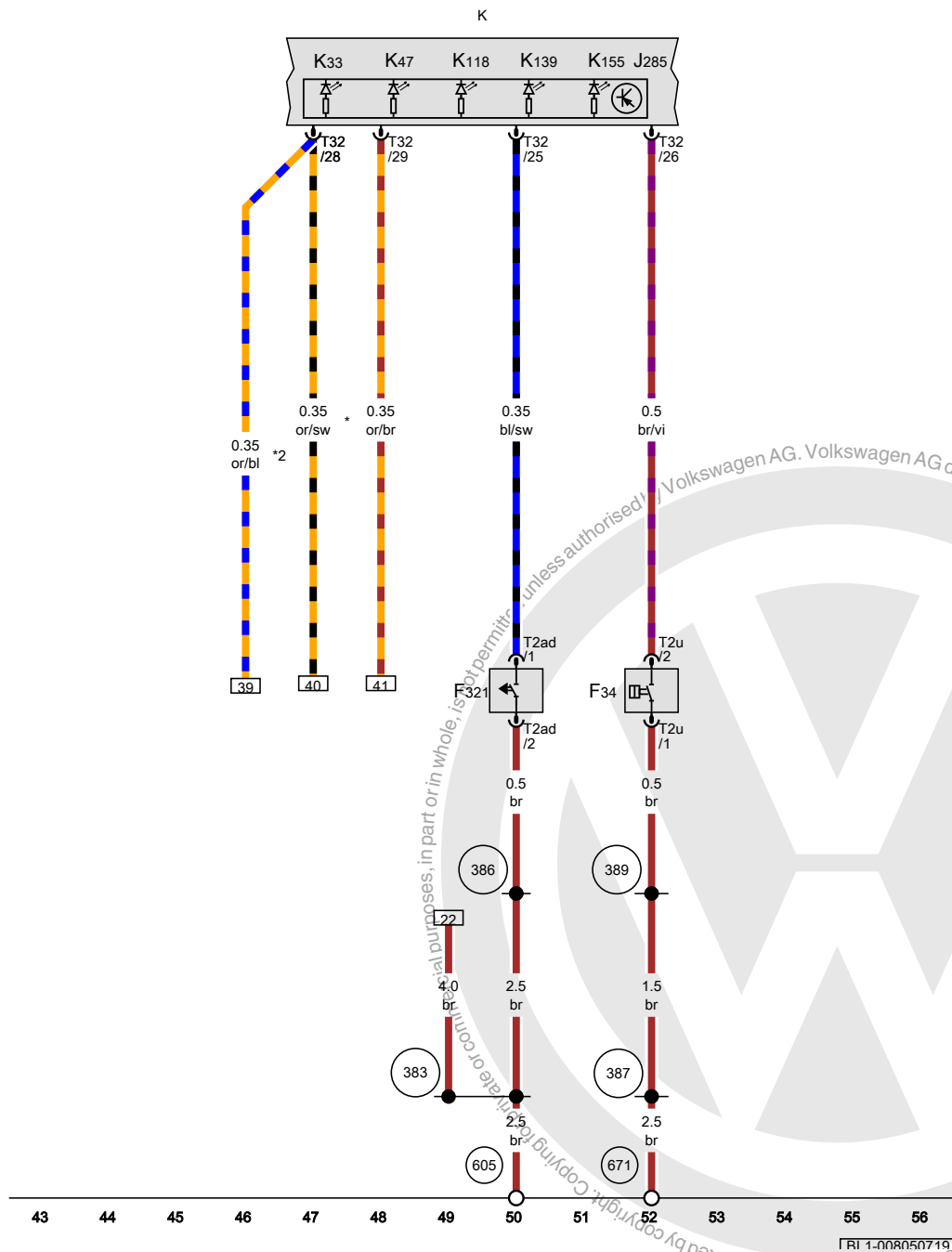
Brake fluid level warning contact, Parking brake contact switch, Control unit in dash panel insert, ABS warning lamp, Brake system warning lamp, Handbrake warning lamp, Warning lamp for electronic stabilisation program and TCS

- F34 Brake fluid level warning contact
- F321 Parking brake contact switch
- J285 Control unit in dash panel insert
- K Dash panel insert
- K33 Brake fluid level warning lamp
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K139 Handbrake warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- T2ad 2-pin connector
- T2u 2-pin connector
- T32 32-pin connector

- 383 Earth connection 18, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- 671 Earth point 1, on front of left longitudinal member

Up to August 2016  
From August 2016

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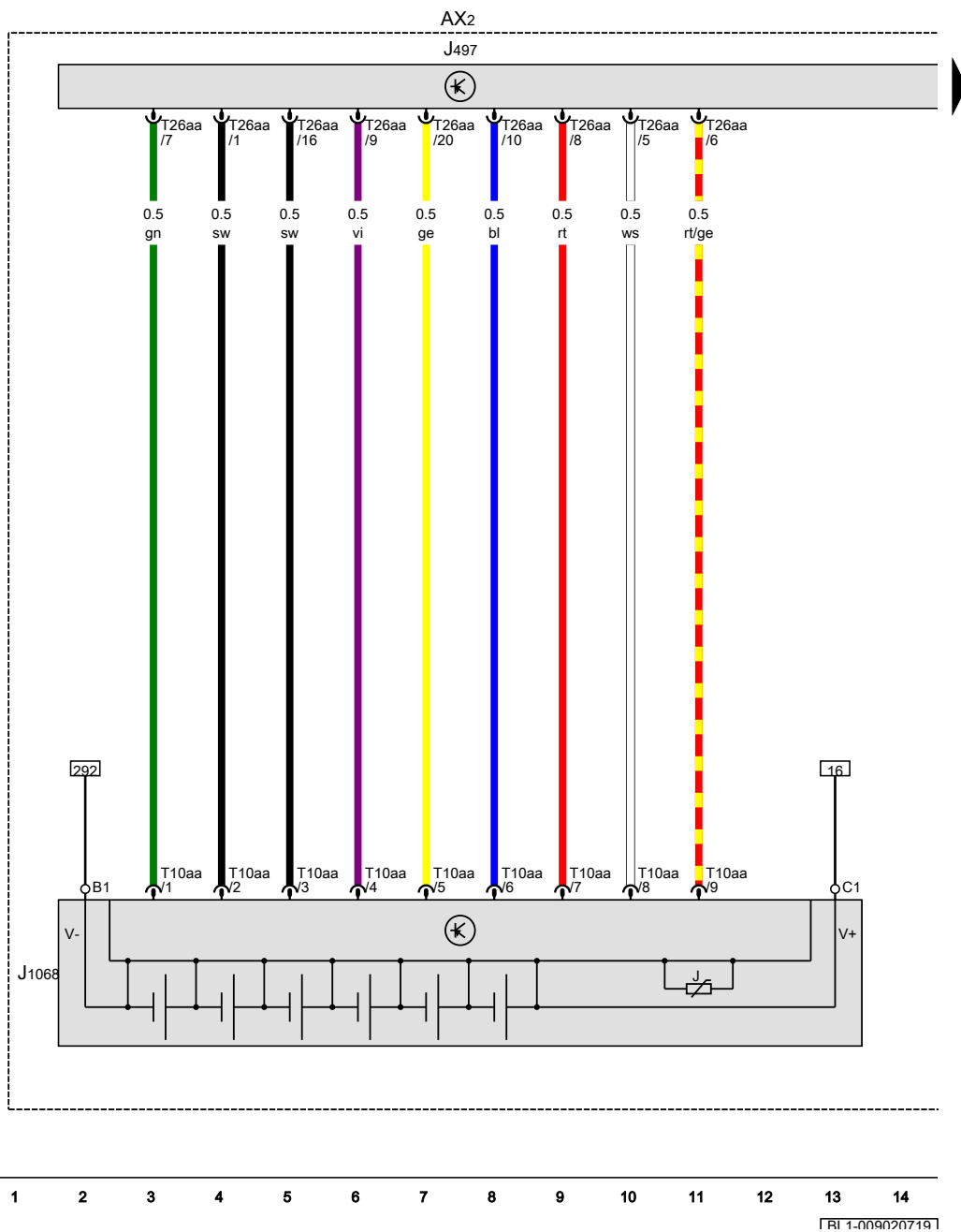
## High-voltage battery system

From July 2013



# High-voltage battery 1, Module monitor control unit for batteries, Battery module 0

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J1068 Battery module 0
- T10aa 10-pin connector
- T26aa 26-pin connector

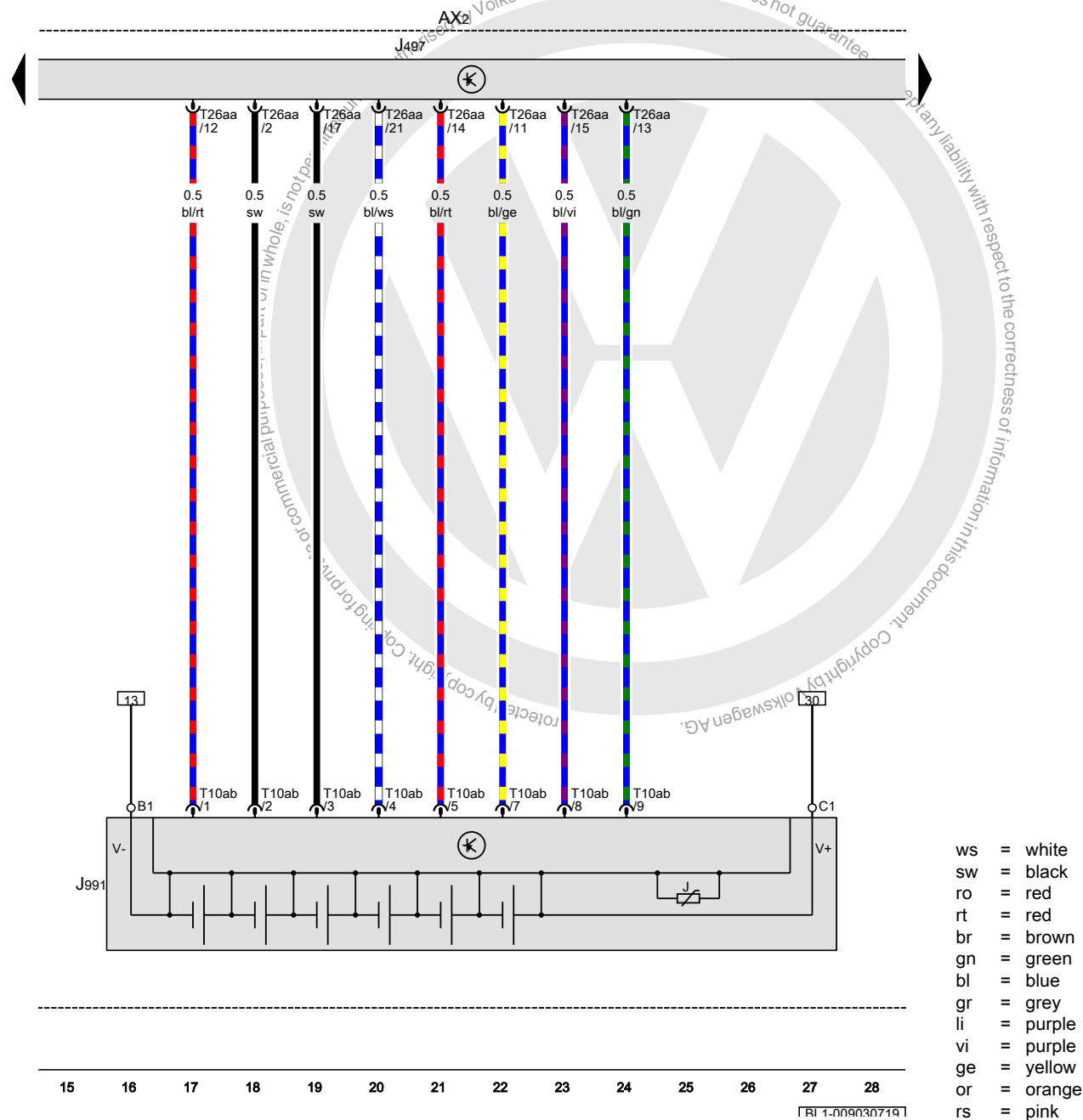


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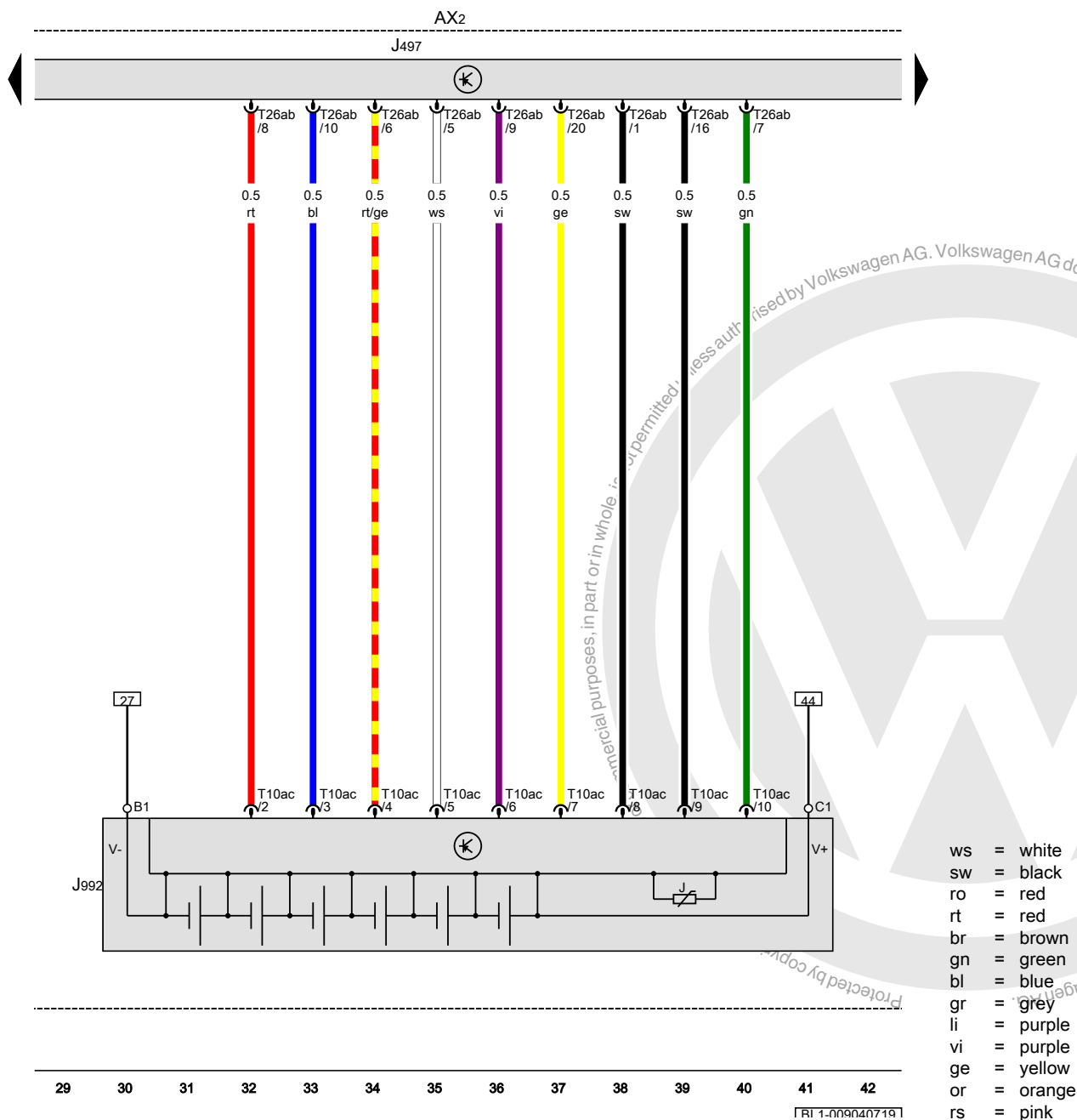
High-voltage battery 1, Module monitor control unit for batteries, Battery module 1

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J991 Battery module 1  
T10ab 10-pin connector  
T26aa 26-pin connector



**High-voltage battery 1, Module monitor control unit for batteries, Battery module 2**

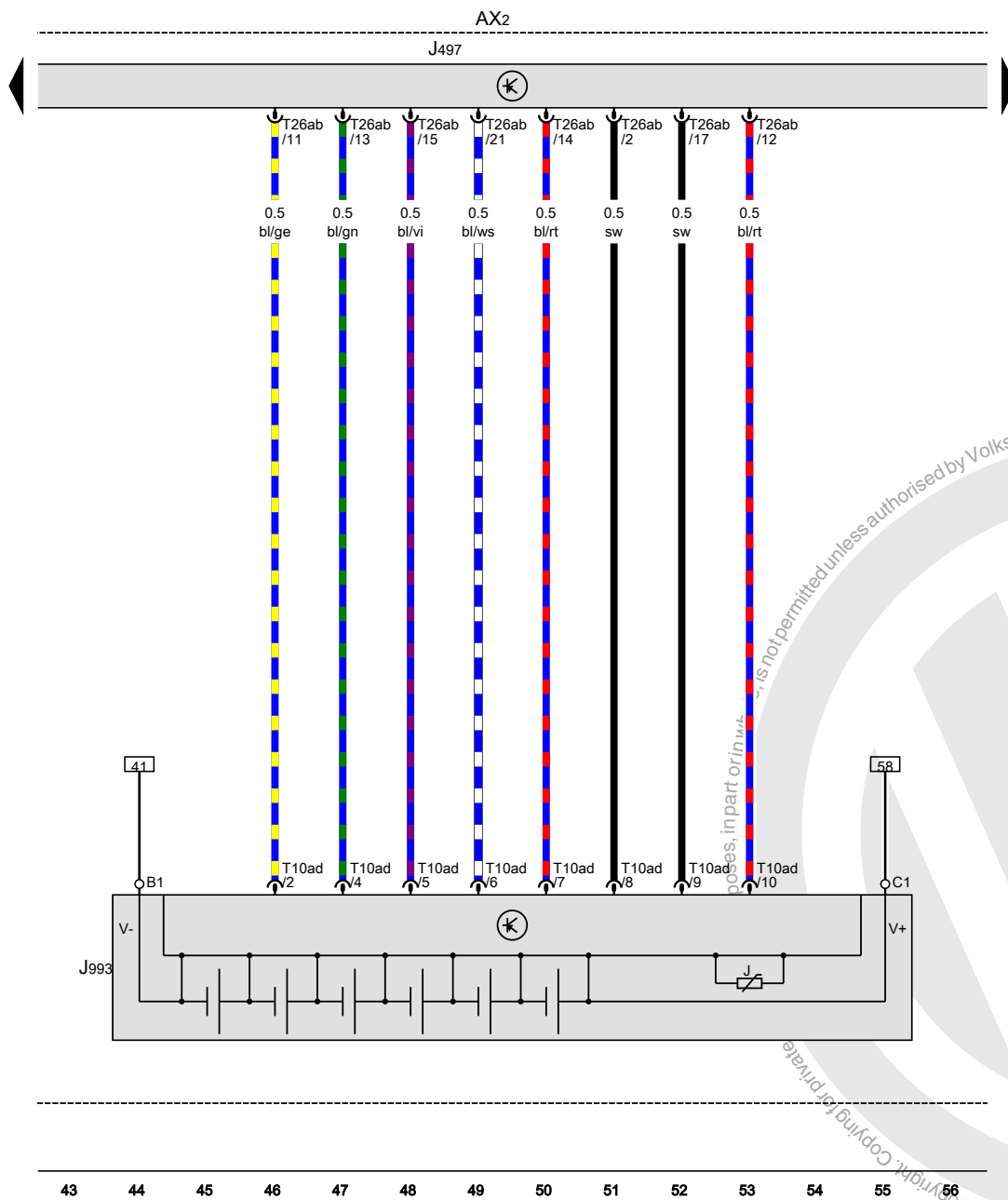
AX2	High-voltage battery 1
J497	Module monitor control unit for batteries
J992	Battery module 2
T10ac	10-pin connector
T26ab	26-pin connector



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

**High-voltage battery 1, Module monitor control unit for batteries, Battery module 3**

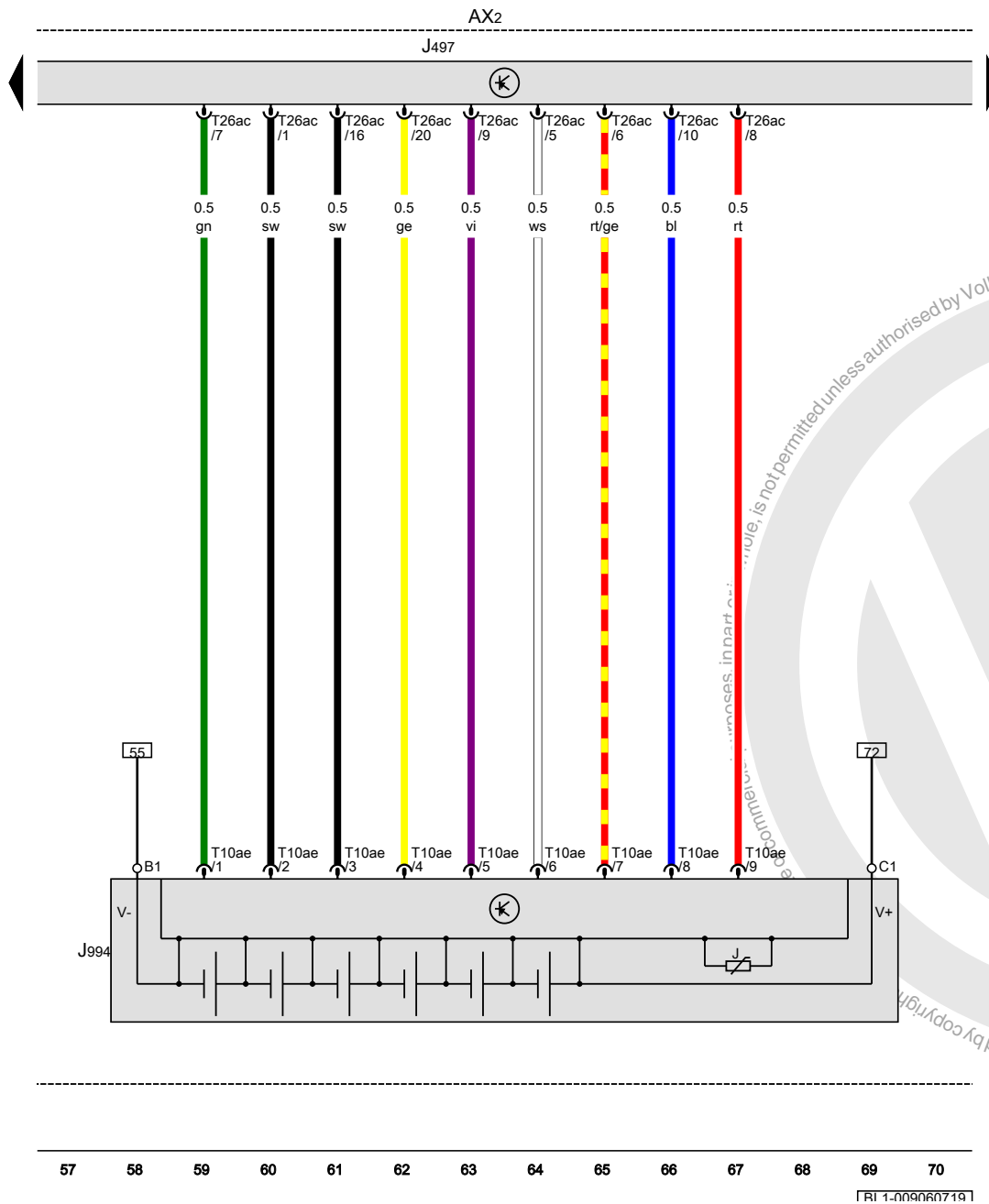
AX2	High-voltage battery 1
J497	Module monitor control unit for batteries
J993	Battery module 3
T10ad	10-pin connector
T26ab	26-pin connector



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High-voltage battery 1, Module monitor control unit for batteries, Battery module 4

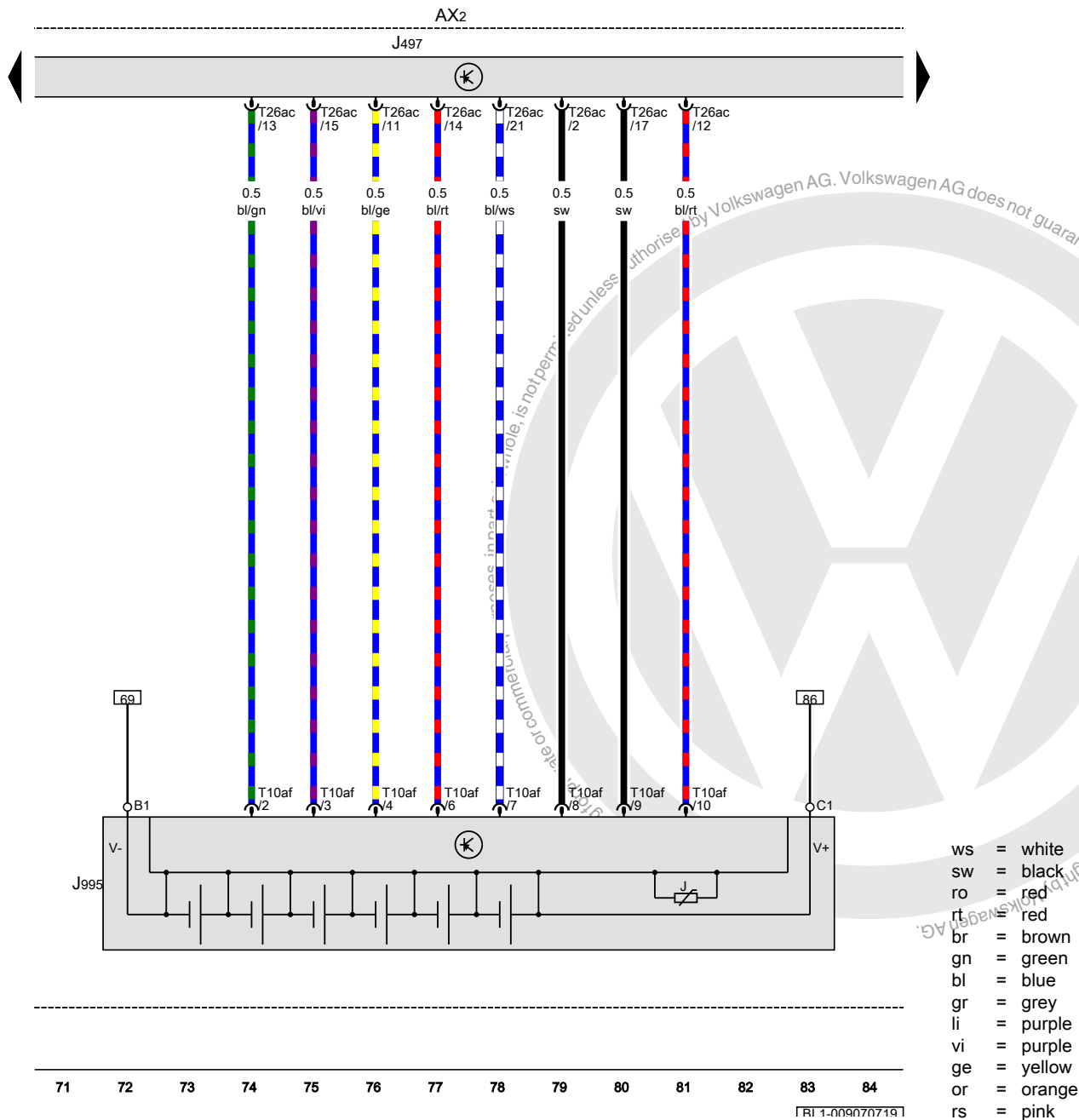
AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J994 Battery module 4  
T10ae 10-pin connector  
T26ac 26-pin connector



ws = white  
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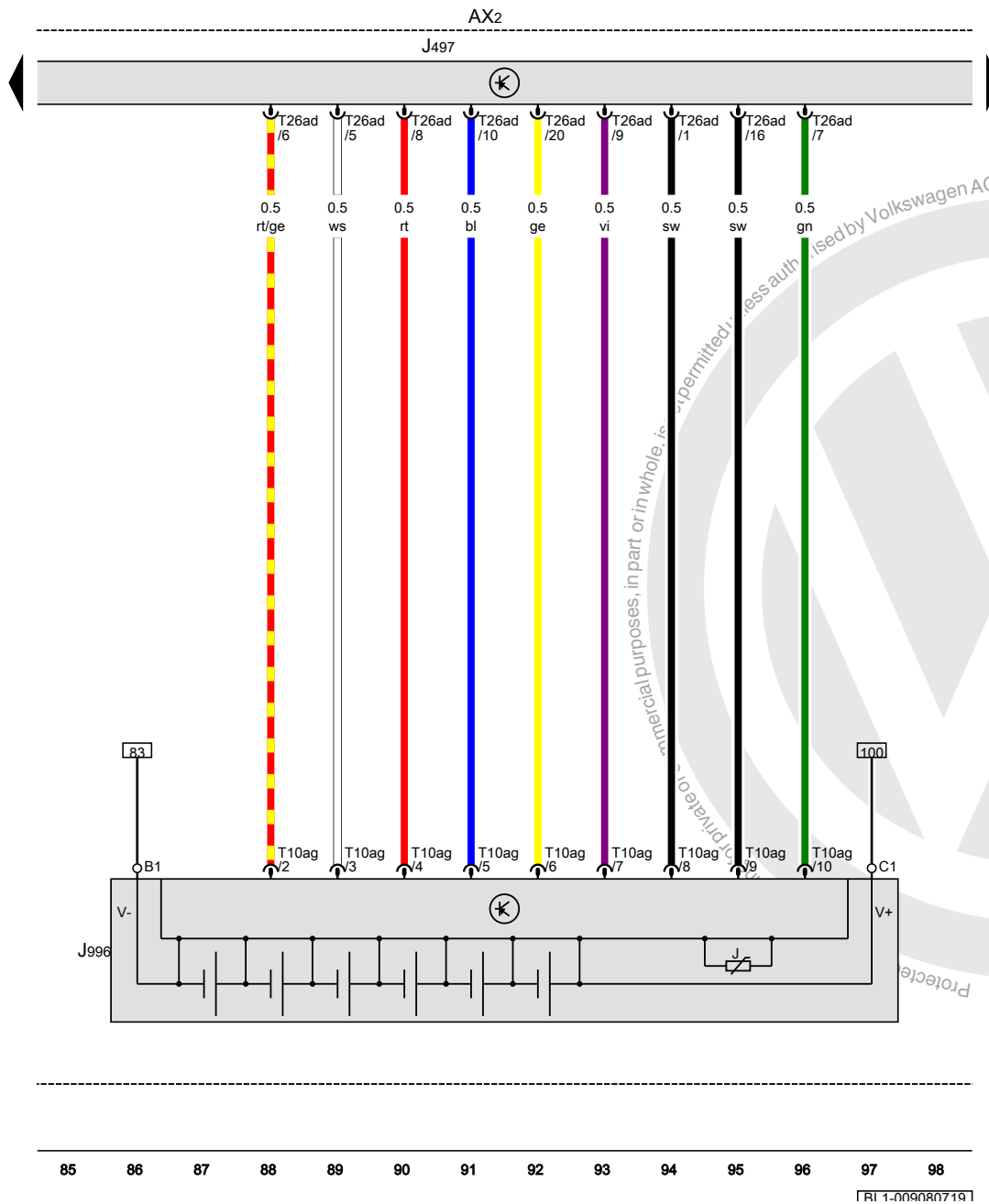
High-voltage battery 1, Module monitor control unit for batteries, Battery module 5

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J995 Battery module 5  
T10af 10-pin connector  
T26ac 26-pin connector



High-voltage battery 1, Module monitor control unit for batteries, Battery module 6

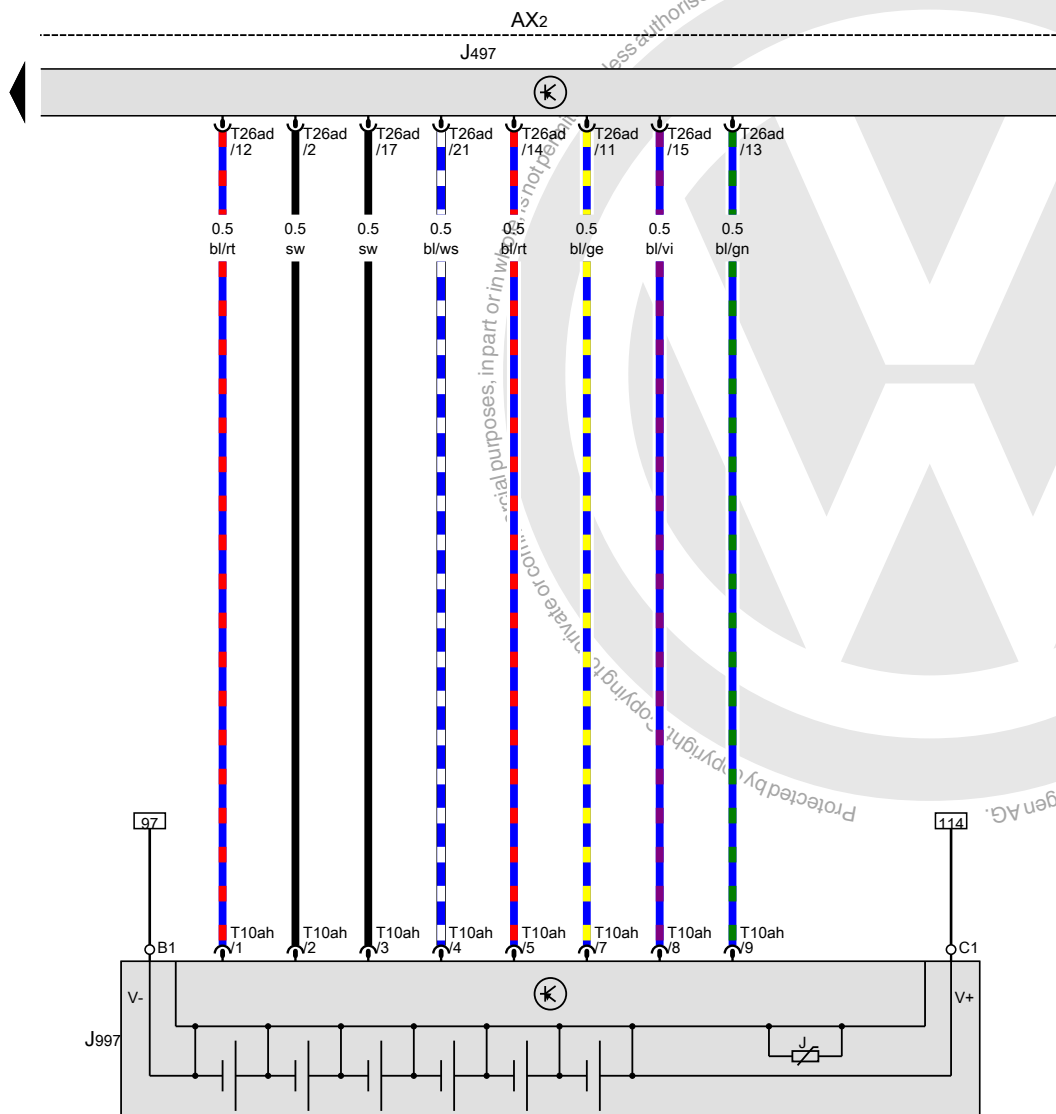
AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J996 Battery module 6  
T10ag 10-pin connector  
T26ad 26-pin connector



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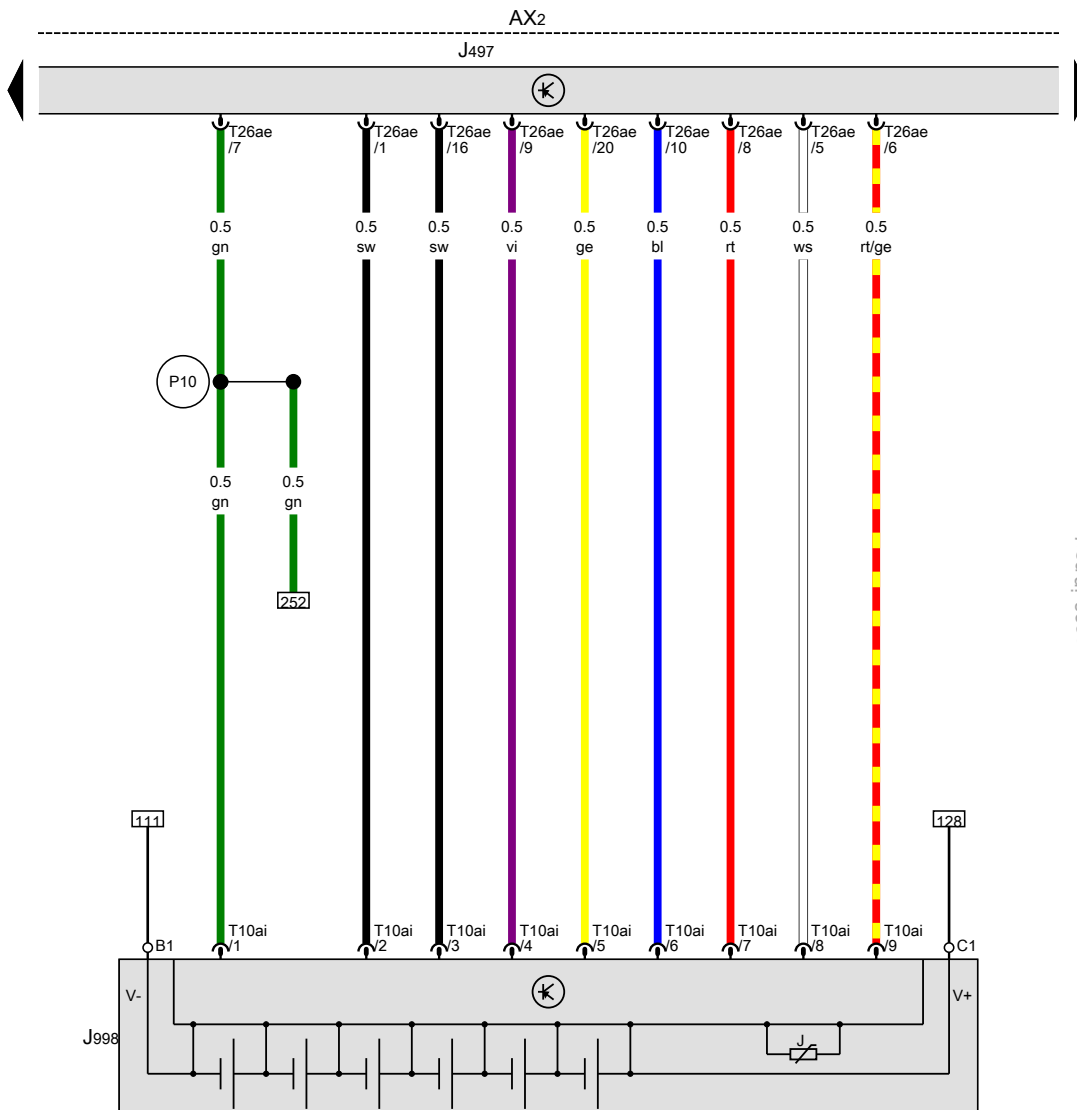
High-voltage battery 1, Module monitor control unit for batteries, Battery module 7

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J997 Battery module 7  
T10ah 10-pin connector  
T26ad 26-pin connector



# High-voltage battery 1, Module monitor control unit for batteries, Battery module 8

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J998 Battery module 8
- T10ai 10-pin connector
- T26ae 26-pin connector
- P10 Connection 4, in high-voltage battery wiring harness

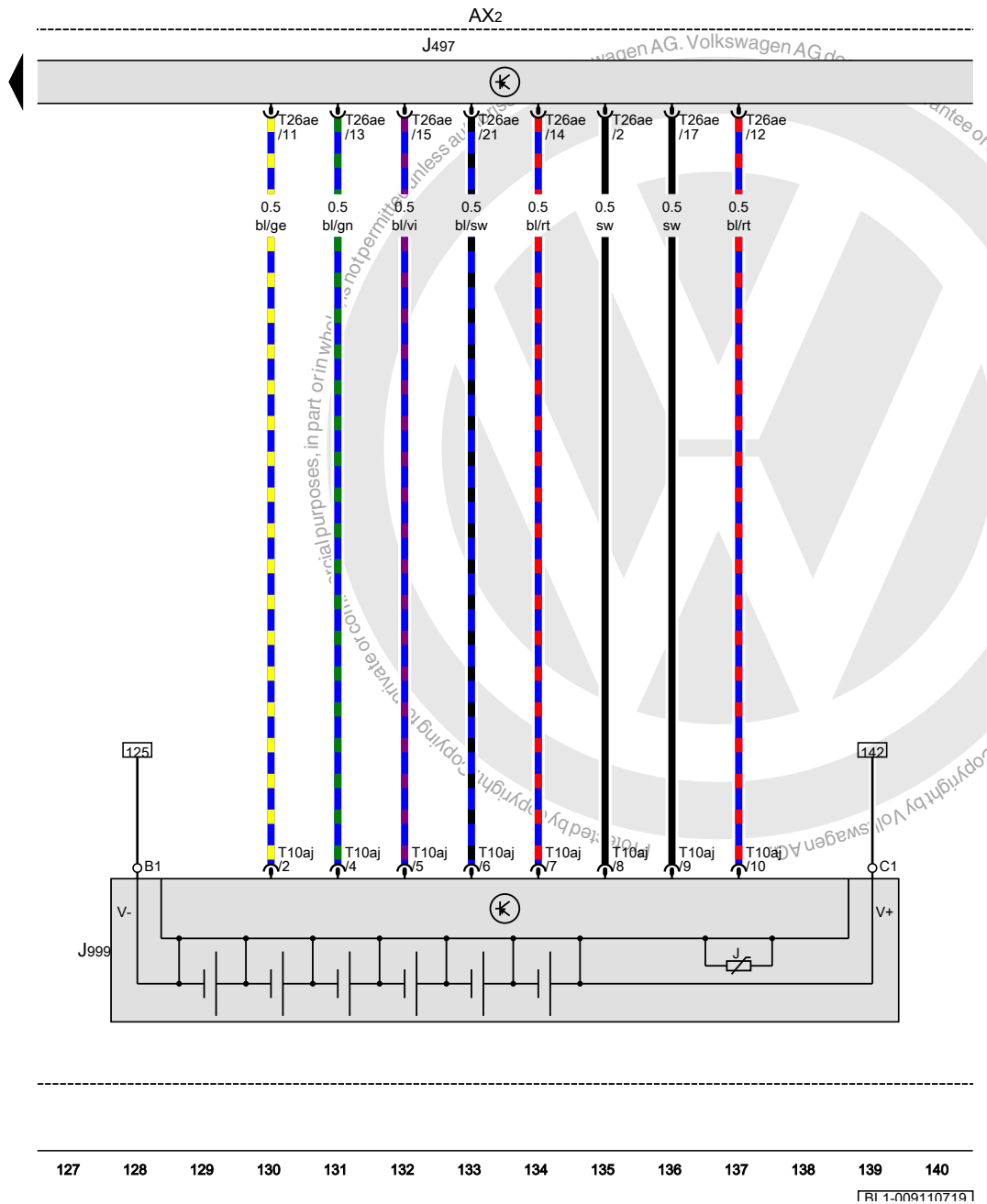


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- sw = black
- ro = red
- rt = red
- br = brown
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- ge = yellow
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- rs = pink

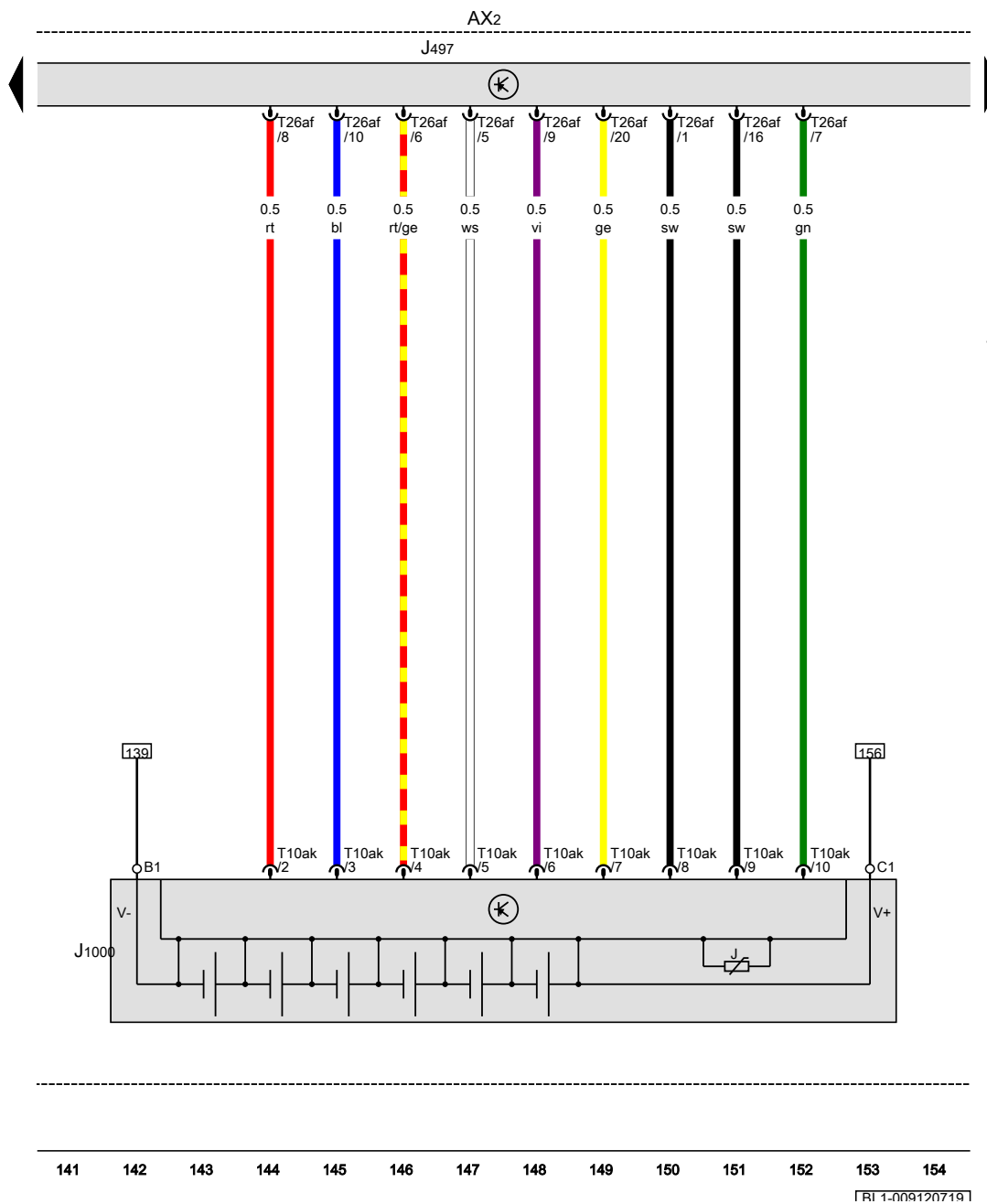


High-voltage battery 1, Module monitor control unit for batteries, Battery module 9

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J999 Battery module 9  
T10aj 10-pin connector  
T26ae 26-pin connector

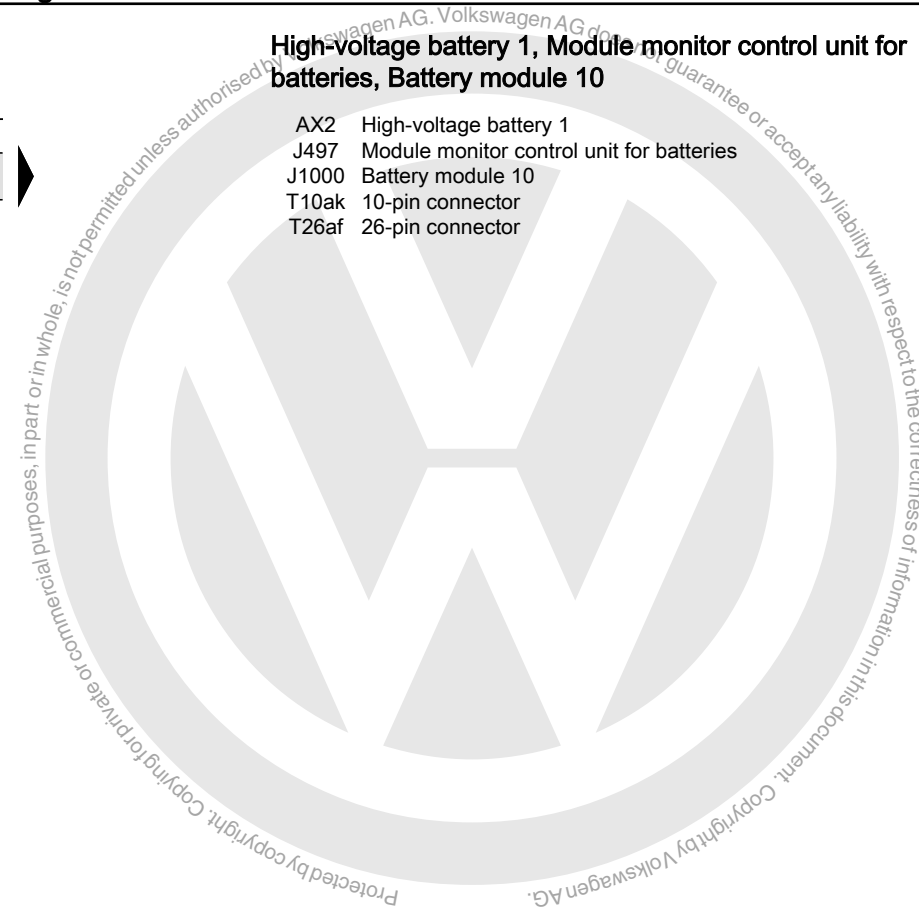


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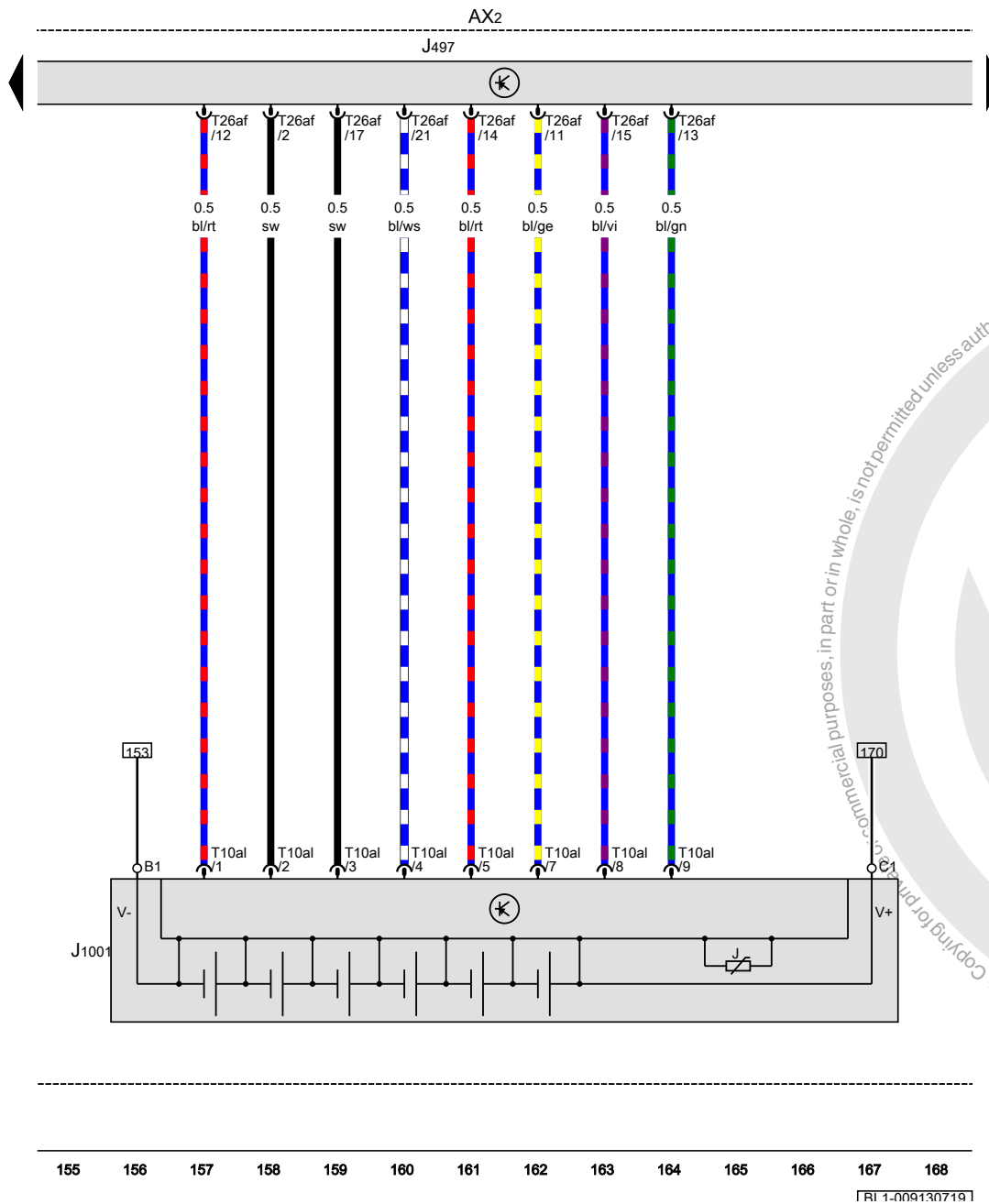
# High-voltage battery 1, Module monitor control unit for batteries, Battery module 10

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J1000 Battery module 10
- T10ak 10-pin connector
- T26af 26-pin connector



High-voltage battery 1, Module monitor control unit for batteries, Battery module 11

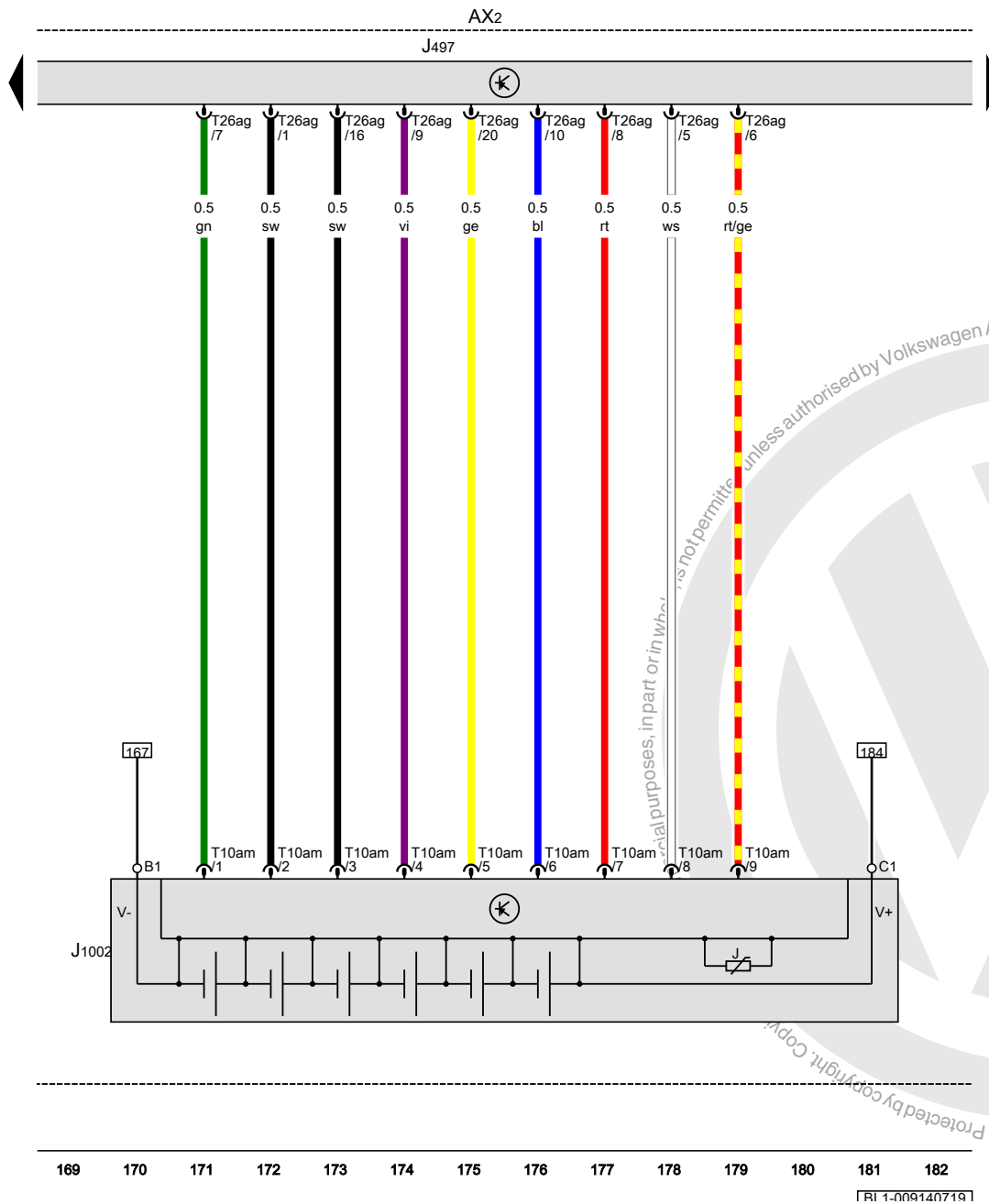
AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J1001 Battery module 11  
T10al 10-pin connector  
T26af 26-pin connector



161 162 163 164 165 166 167 168

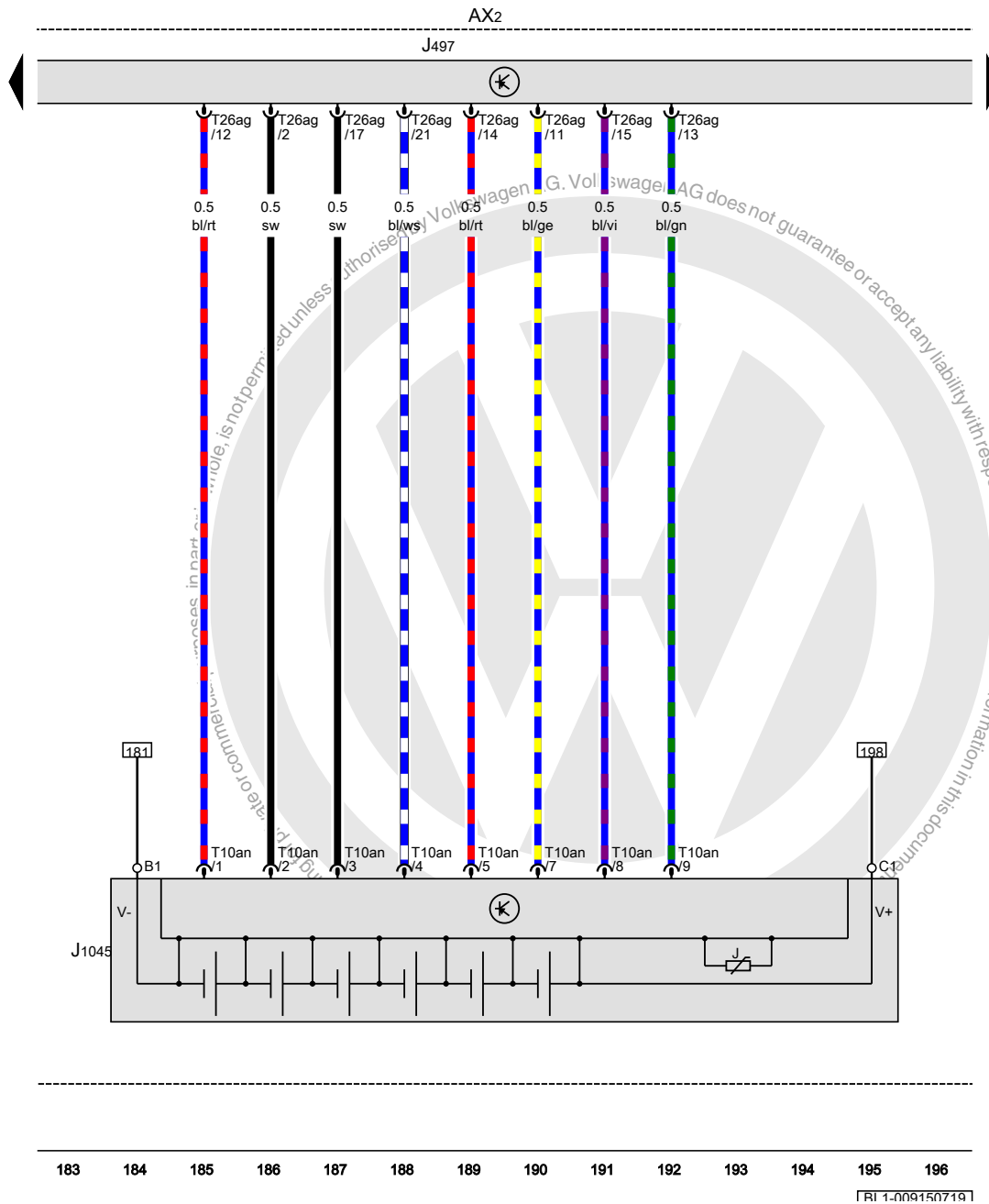
High-voltage battery 1, Module monitor control unit for batteries, Battery module 12

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J1002 Battery module 12  
T10am 10-pin connector  
T26ag 26-pin connector



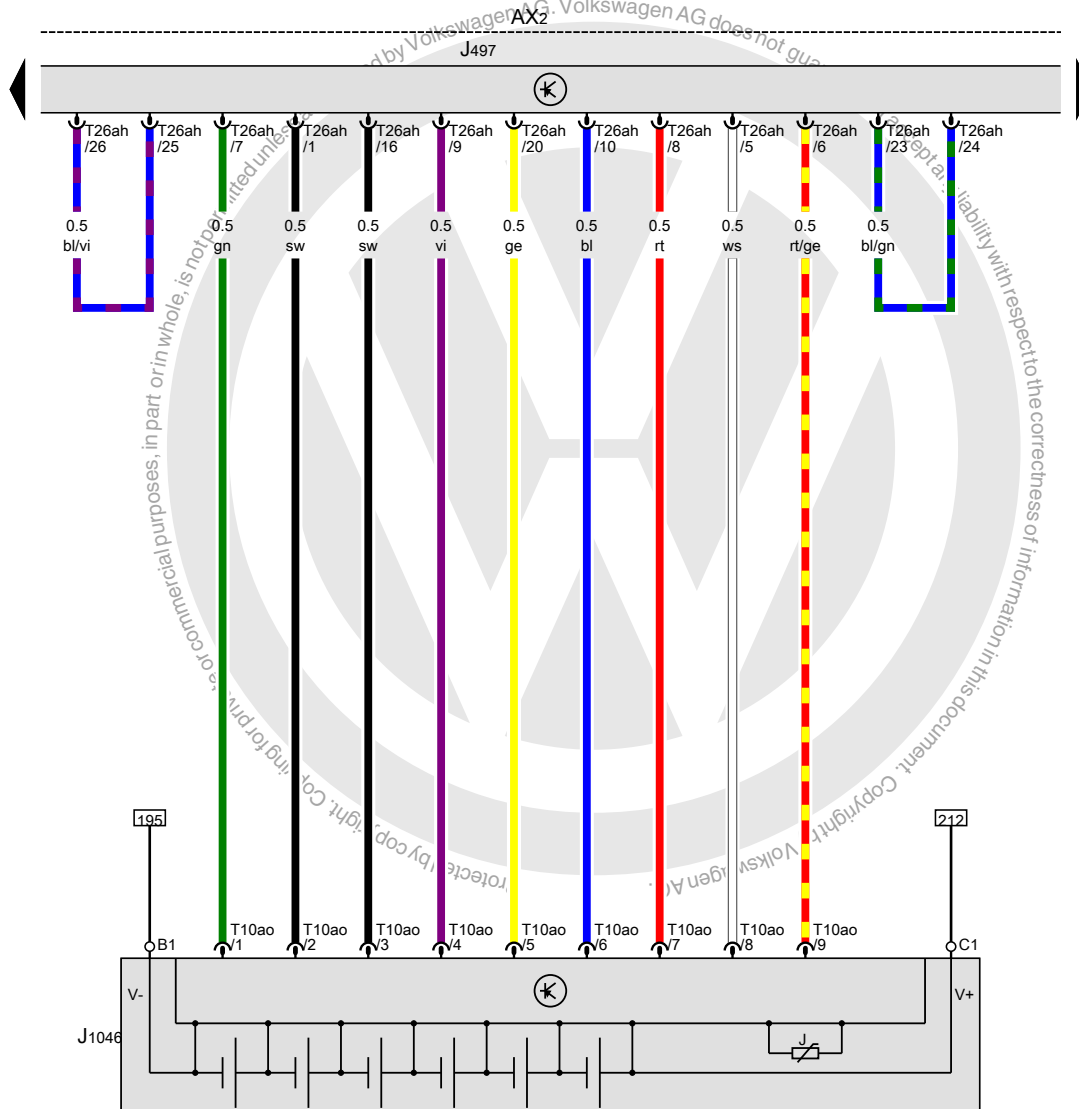
High-voltage battery 1, Module monitor control unit for batteries, Battery module 13

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J1045 Battery module 13  
T10an 10-pin connector  
T26ag 26-pin connector



High-voltage battery 1, Module monitor control unit for batteries, Battery module 14

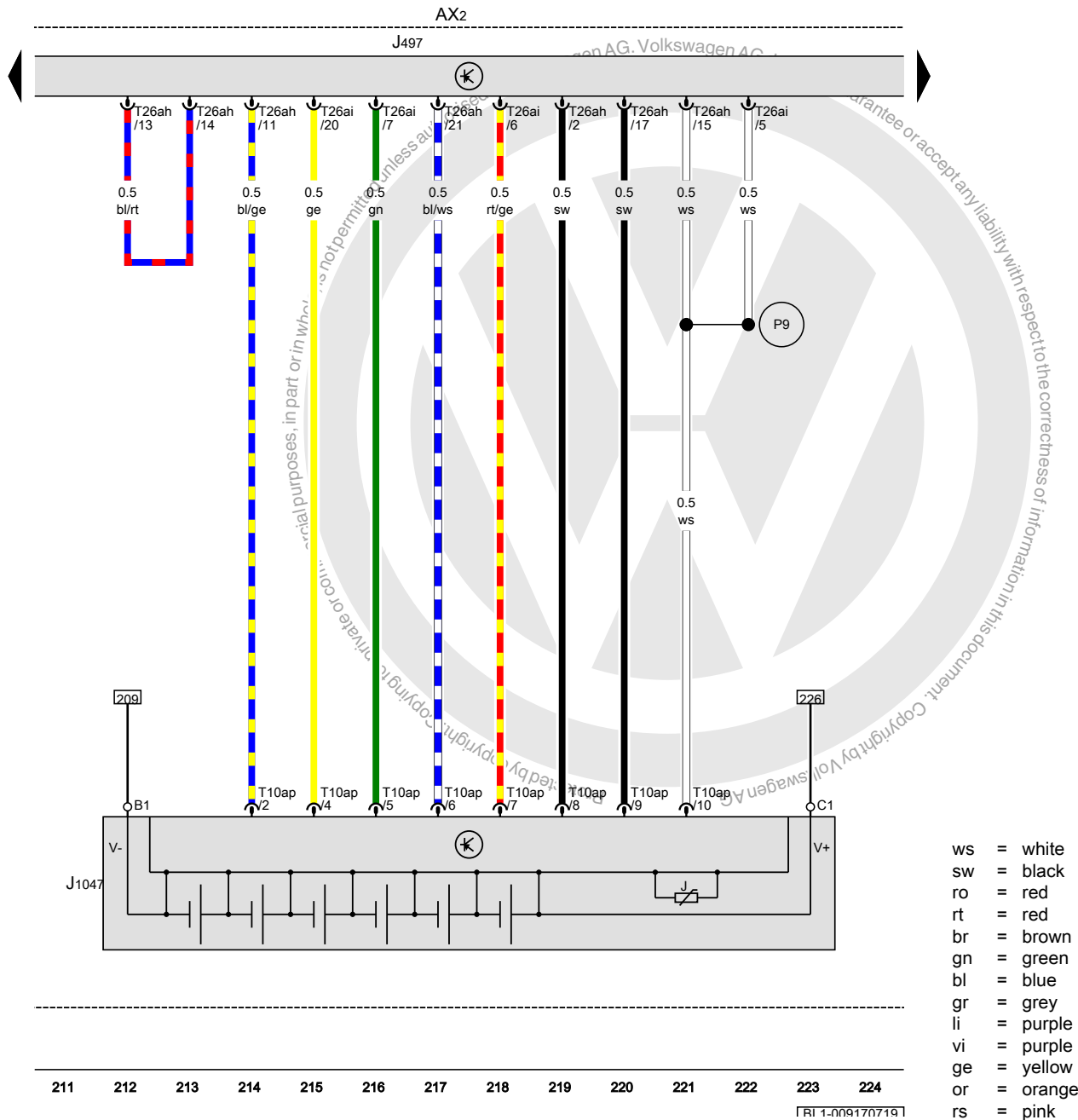
AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J1046 Battery module 14  
T10ao 10-pin connector  
T26ah 26-pin connector



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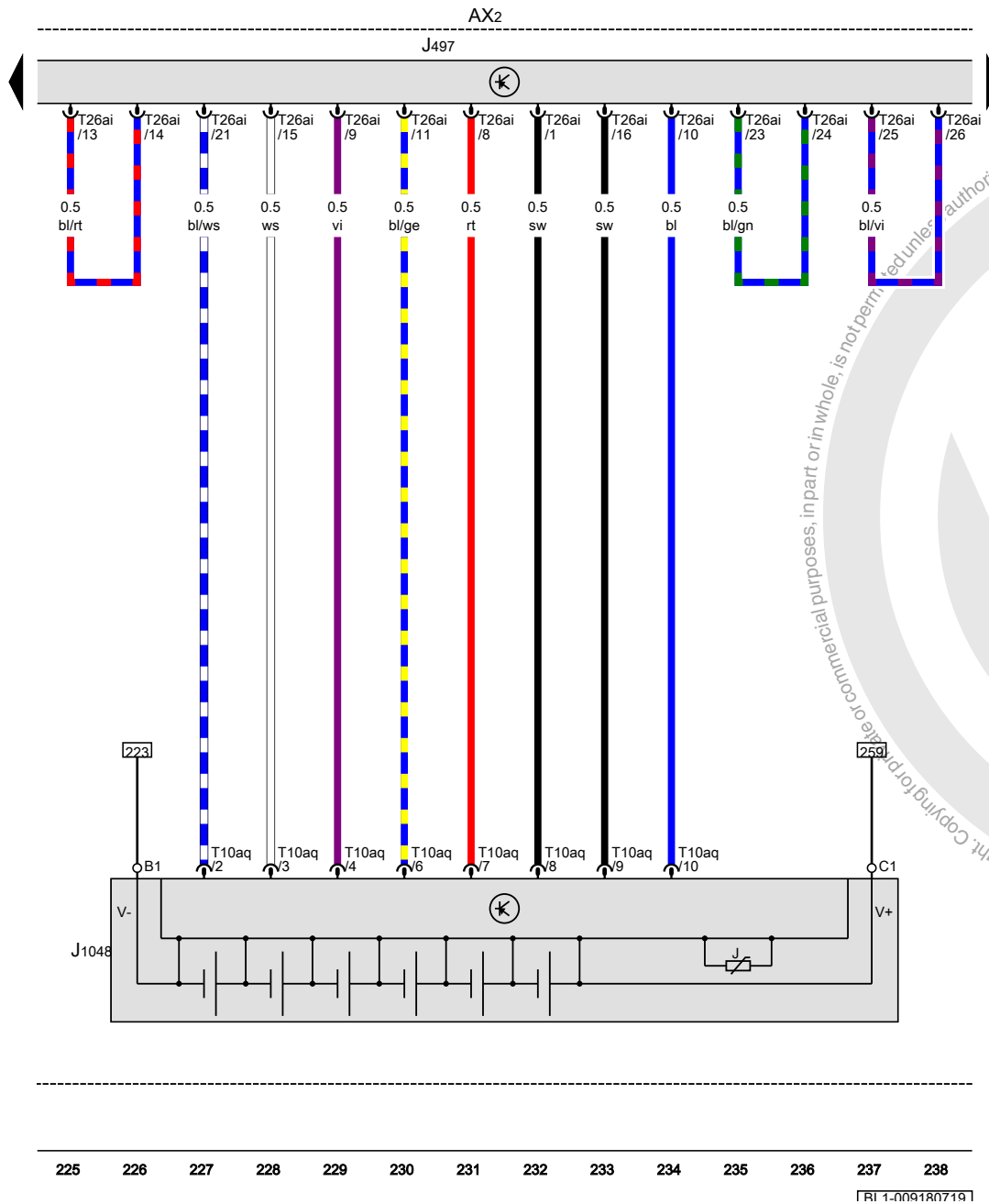
High-voltage battery 1, Module monitor control unit for batteries, Battery module 15

- AX2 High-voltage battery 1  
 J497 Module monitor control unit for batteries  
 J1047 Battery module 15  
 T10ap 10-pin connector  
 T26ah 26-pin connector  
 T26ai 26-pin connector  
 P9 Connection 3, in high-voltage battery wiring harness



High-voltage battery 1, Module monitor control unit for batteries, Battery module 16

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J1048 Battery module 16  
T10aq 10-pin connector  
T26ai 26-pin connector

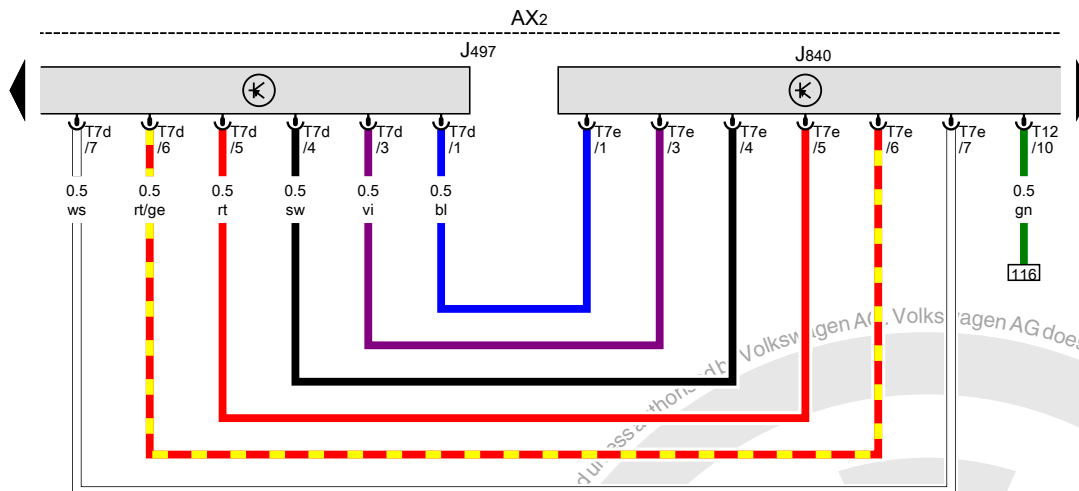


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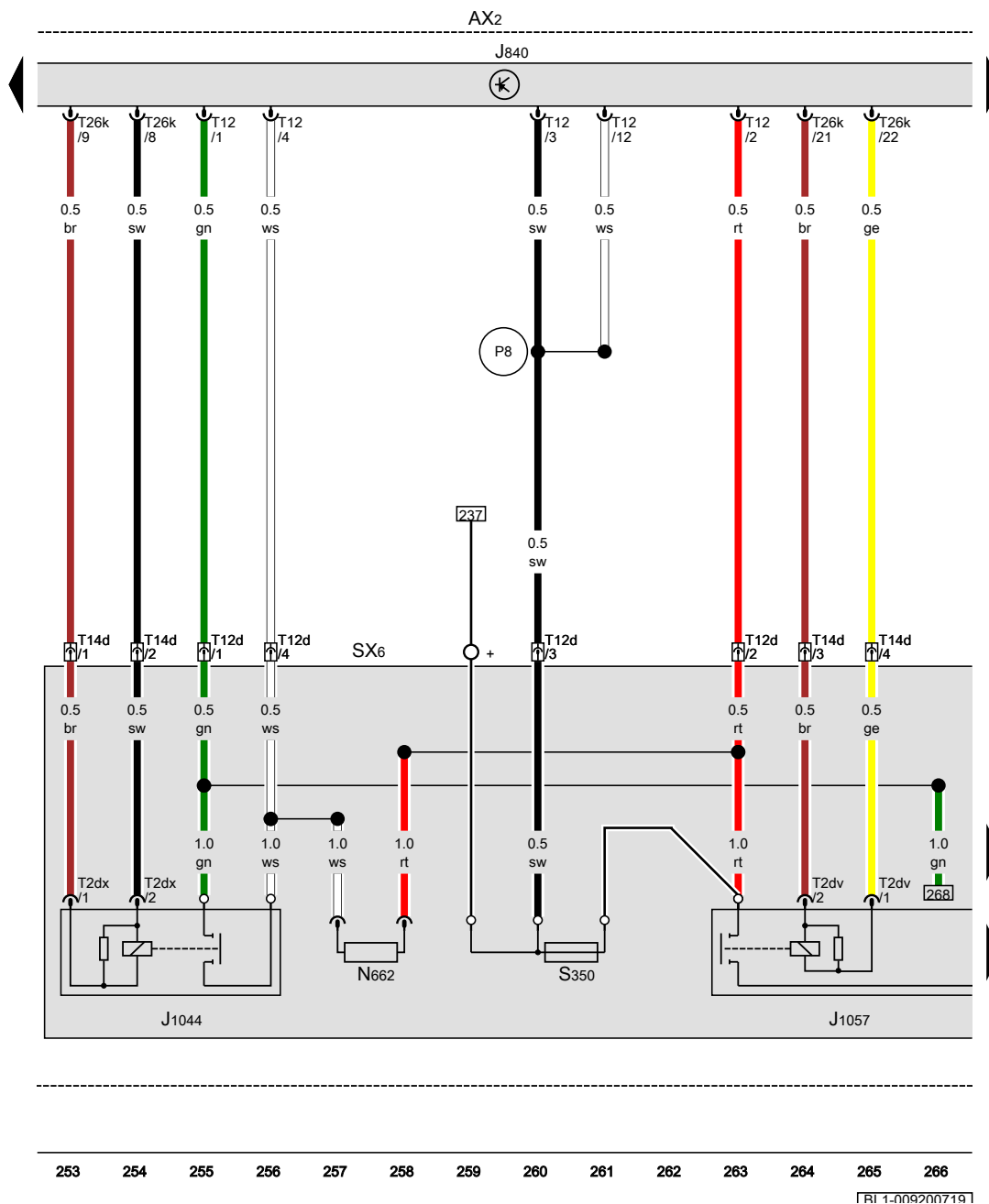


High-voltage battery 1, Module monitor control unit for batteries, Battery regulation control unit

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J840 Battery regulation control unit
- T7d 7-pin connector
- T7e 7-pin connector
- T12 12-pin connector



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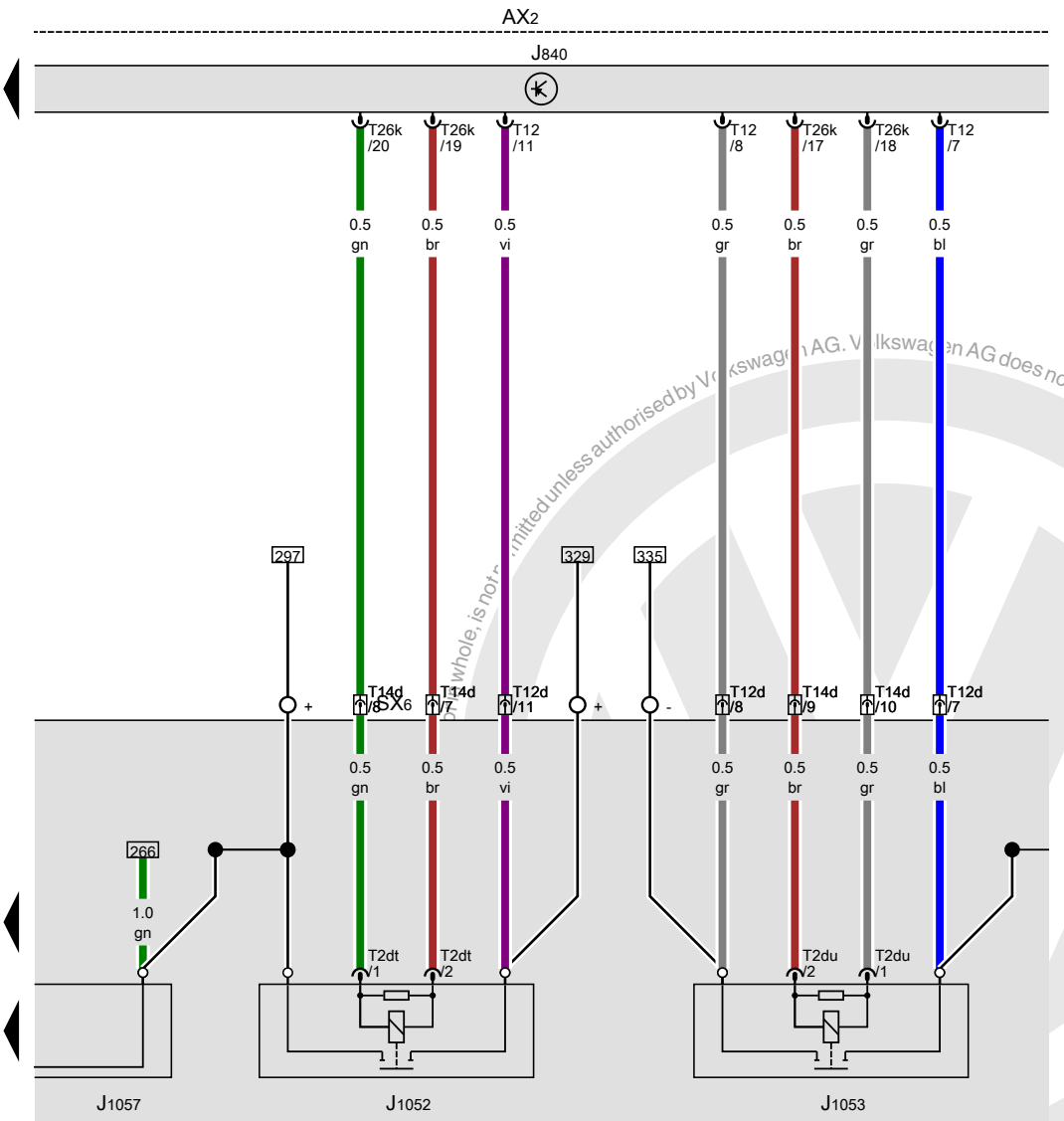
High-voltage battery 1, Battery regulation control unit, Precharge contactor for high-voltage battery, High-voltage battery power contactor 1, Protection resistor for high-voltage battery, Switching unit for high-voltage battery, High-voltage system fuse 1

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- J1044 Precharge contactor for high-voltage battery
- J1057 High-voltage battery power contactor 1
- N662 Protection resistor for high-voltage battery
- SX6 Switching unit for high-voltage battery
- S350 High-voltage system fuse 1
- T2dv 2-pin connector
- T2dx 2-pin connector
- T12 12-pin connector
- T12d 12-pin connector
- T14d 14-pin connector
- T26k 26-pin connector
- P8 Connection 2, in high-voltage battery wiring harness

- ws = white
- sw = black
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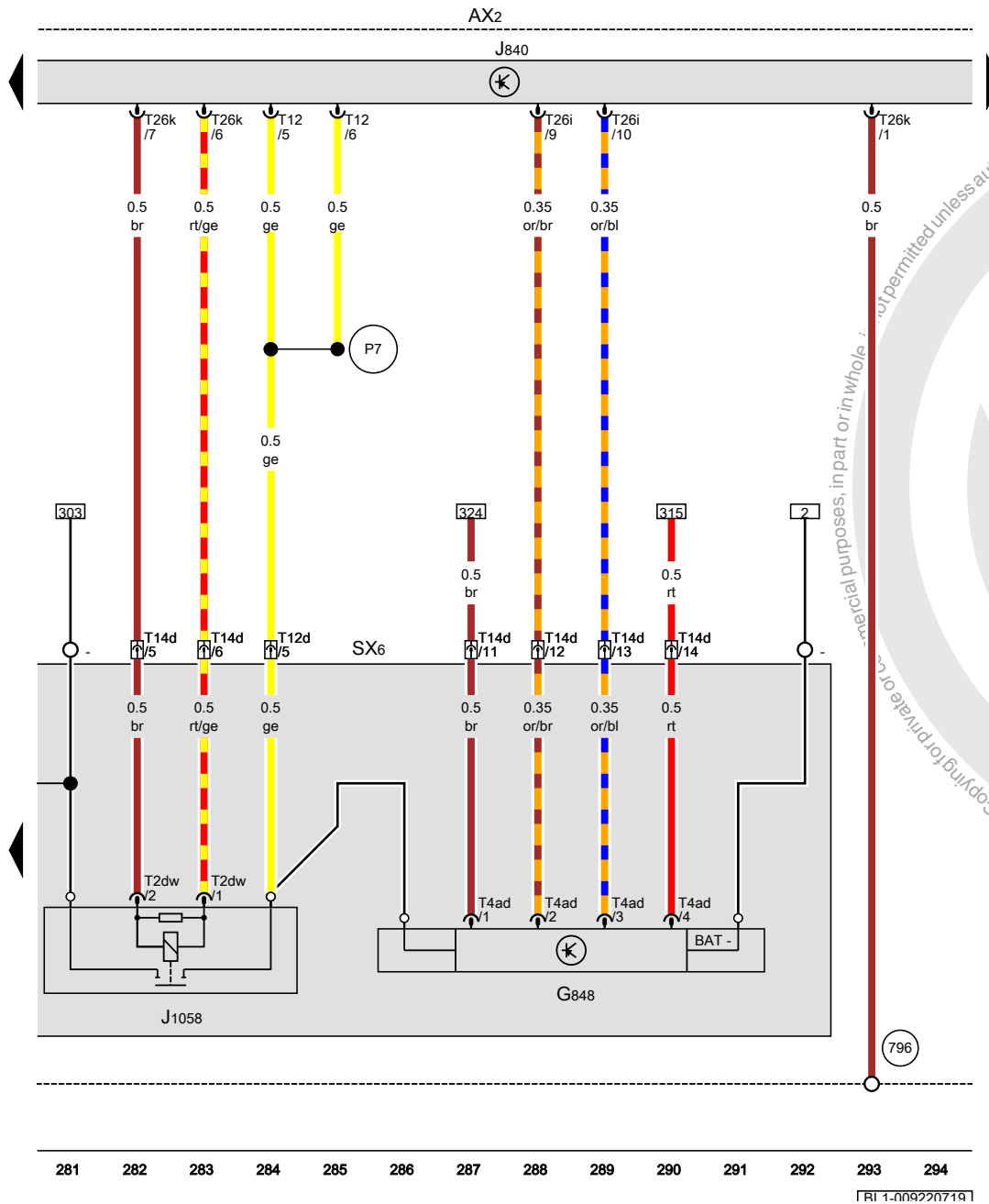
High-voltage battery 1, Battery regulation control unit, DC charge contactor 1, DC charge contactor 2, High-voltage battery power contactor 1, Switching unit for high-voltage battery

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- J1052 DC charge contactor 1
- J1053 DC charge contactor 2
- J1057 High-voltage battery power contactor 1
- SX6 Switching unit for high-voltage battery
- T2dt 2-pin connector
- T2du 2-pin connector
- T12 12-pin connector
- T12d 12-pin connector
- T14d 14-pin connector
- T26k 26-pin connector



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High-voltage battery 1, Current sensor for high-voltage battery, Battery regulation control unit, High-voltage battery power contactor 2, Switching unit for high-voltage battery



- AX2 High-voltage battery 1
- G848 Current sensor for high-voltage battery
- J840 Battery regulation control unit
- J1058 High-voltage battery power contactor 2
- SX6 Switching unit for high-voltage battery
- T2dw 2-pin connector
- T4ad 4-pin connector
- T12 12-pin connector
- T12d 12-pin connector
- T14d 14-pin connector
- T26i 26-pin connector
- T26k 26-pin connector

796 Earth point 3, in high-voltage battery

P7 Connection 1, in high-voltage battery wiring harness

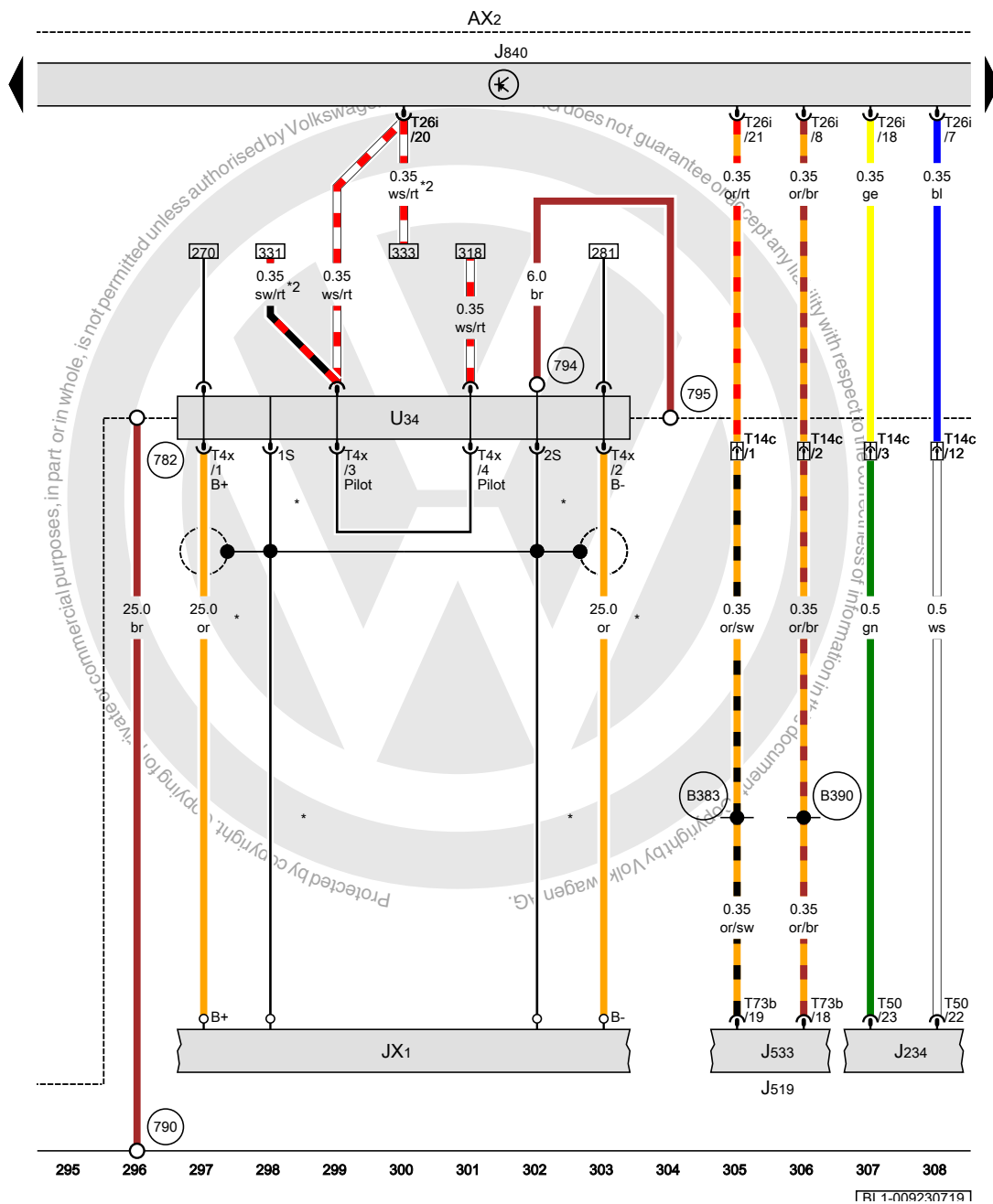
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# High-voltage battery 1, Battery regulation control unit

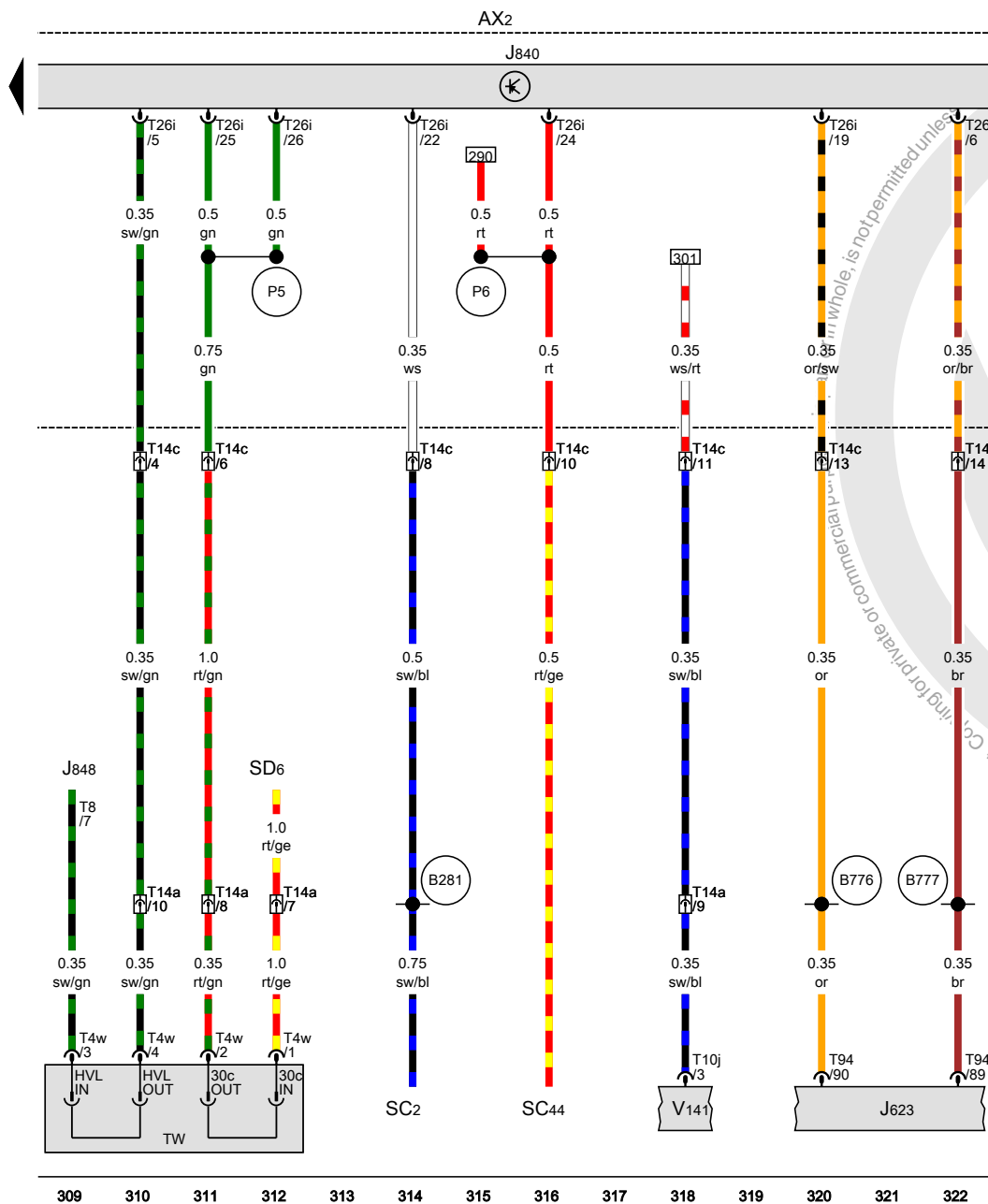
- AX2 High-voltage battery 1
- JX1 Power and control electronics for electric drive
- J234 Airbag control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J840 Battery regulation control unit
- T4x 4-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T50 50-pin connector
- T73b 73-pin connector
- U34 High-voltage battery charging connection 1

- 782 Earth point 1, on high-voltage battery
- 790 Earth point on front left of underbody
- 794 Earth point 1, in high-voltage battery
- 795 Earth point 2, in high-voltage battery
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- \* High-voltage wiring harness for high-voltage battery (PX1)
- \*2 For models with combined AC and DC charging system

- ws = white
- sw = black
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High-voltage battery 1, Battery regulation control unit,  
Maintenance connector for high-voltage system



- AX2 High-voltage battery 1
- J623 Engine/motor control unit
- J840 Battery regulation control unit
- J848 High-voltage heater (PTC) control unit
- SC2 Fuse 2 on fuse holder C
- SD6 Fuse 6 on fuse holder D
- SC44 Fuse 44 on fuse holder C
- T4w 4-pin connector
- T8 8-pin connector
- T10j 10-pin connector
- T14a 14-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T94 94-pin connector
- TW Maintenance connector for high-voltage system
- V141 Electric drive motor

- B281 Positive connection 5 (15a) in main wiring harness
- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness
- P5 Positive connection 1, in high-voltage battery wiring harness
- P6 Positive connection 2, in high-voltage battery wiring harness

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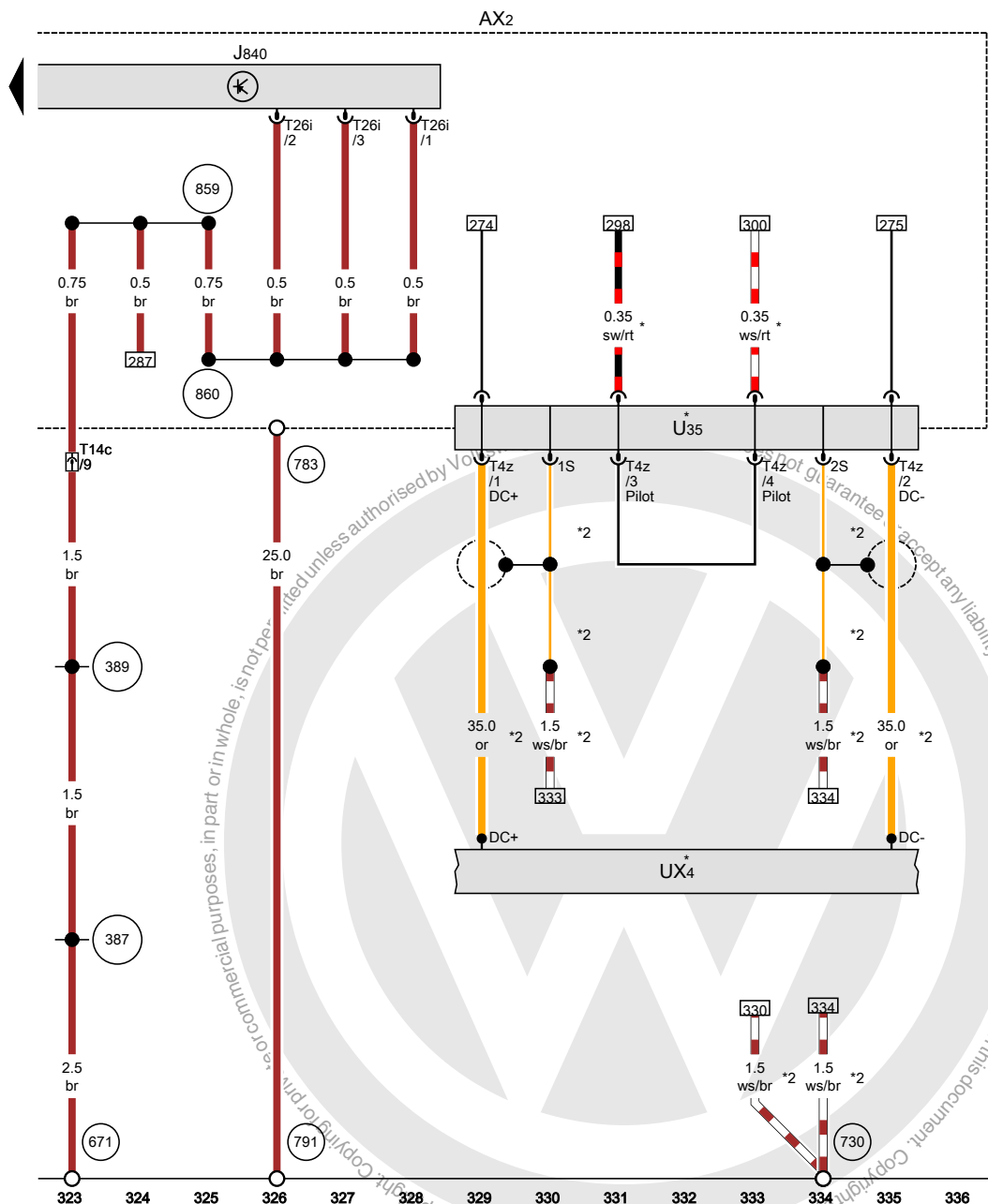
# High-voltage battery 1, Battery regulation control unit

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- T4z 4-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- UX4 High-voltage battery charging socket 1
- U35 High-voltage battery charging connection 2

- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 730 Earth point 1, on right rear wheel housing
- 783 Earth point 2, on high-voltage battery
- 791 Earth point, on rear right of underbody
- 859 Earth connection 1, in high-voltage battery wiring harness
- 860 Earth connection 2, in high-voltage battery wiring harness

- \* For models with combined AC and DC charging system
- \*2 High-voltage wire for high-voltage battery charging (P52)

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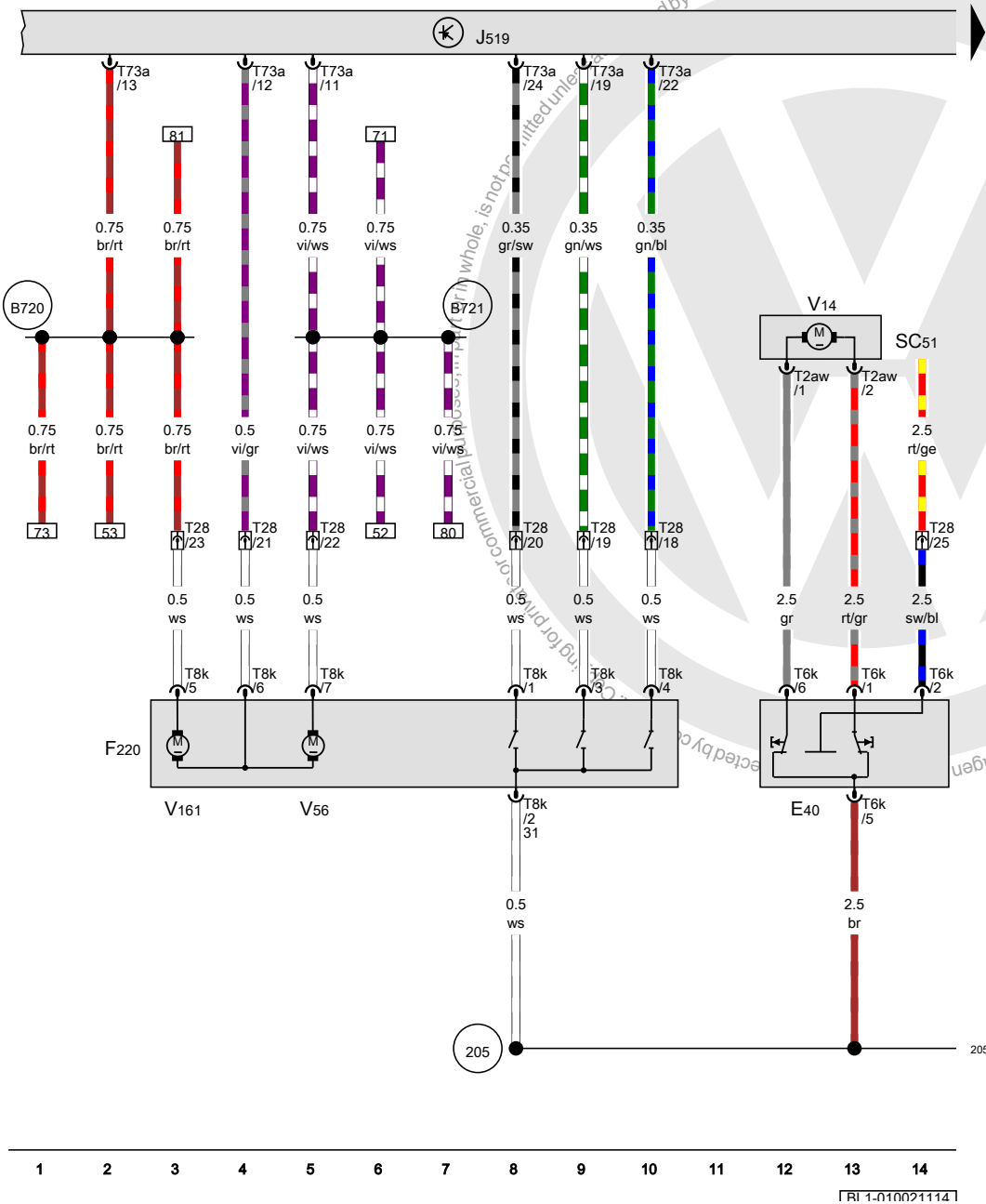
## Convenience system

From July 2013





Driver side central locking lock unit, Onboard supply control unit

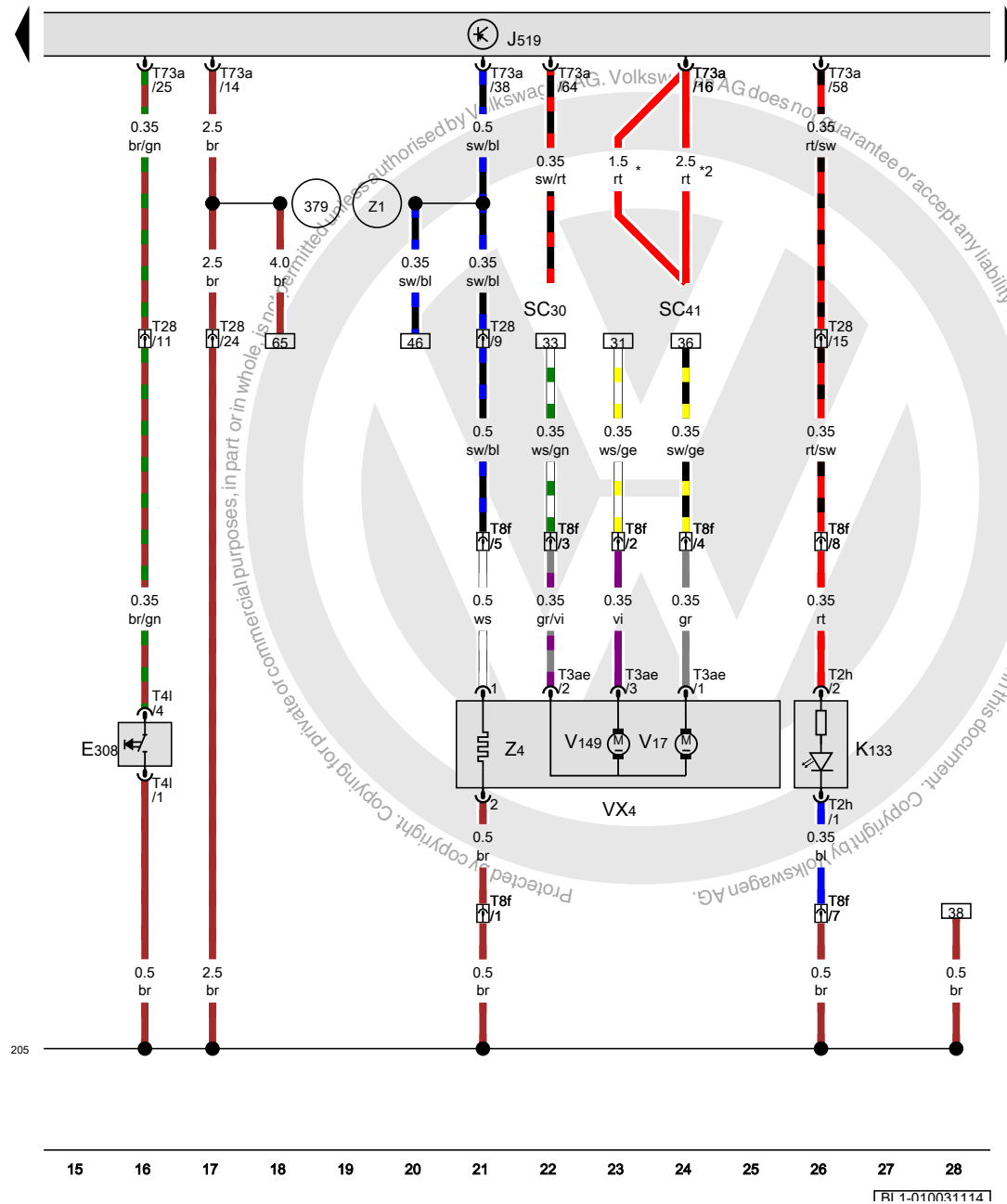


- E40 Front left window regulator switch, in driver door
- F220 Driver side central locking lock unit
- J519 Onboard supply control unit
- SC51 Fuse 51 on fuse holder C
- T2aw 2-pin connector
- T6k 6-pin connector, black
- T8k 8-pin connector
- T28 28-pin connector
- T73a 73-pin connector
- V14 Left window regulator motor, in driver door
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

- 205 Earth connection, in driver door wiring harness
- B720 Connection 1 (central locking), in main wiring harness
- B721 Connection 2 (central locking), in main wiring harness

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Onboard supply control unit, Central locking SAFELOCK function warning lamp, Driver side exterior mirror



- E308 Driver side interior locking button for central locking system
- J519 Onboard supply control unit
- K133 Central locking SAFELOCK function warning lamp
- SC30 Fuse 30 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- T2h 2-pin connector
- T3ae 3-pin connector, black
- T4l 4-pin connector
- T8f 8-pin connector
- T28 28-pin connector
- T73a 73-pin connector
- VX4 Driver side exterior mirror, in driver door
- V17 Driver side mirror adjustment motor 2
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

- 205 Earth connection, in driver door wiring harness
- 379 Earth connection 14, in main wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness

\* From November 2013  
 \*2 Up to November 2013

Mirror adjustment switch, Onboard supply control unit

E43 Mirror adjustment switch, in driver door

J519 Onboard supply control unit

SC6 Fuse 6 on fuse holder C

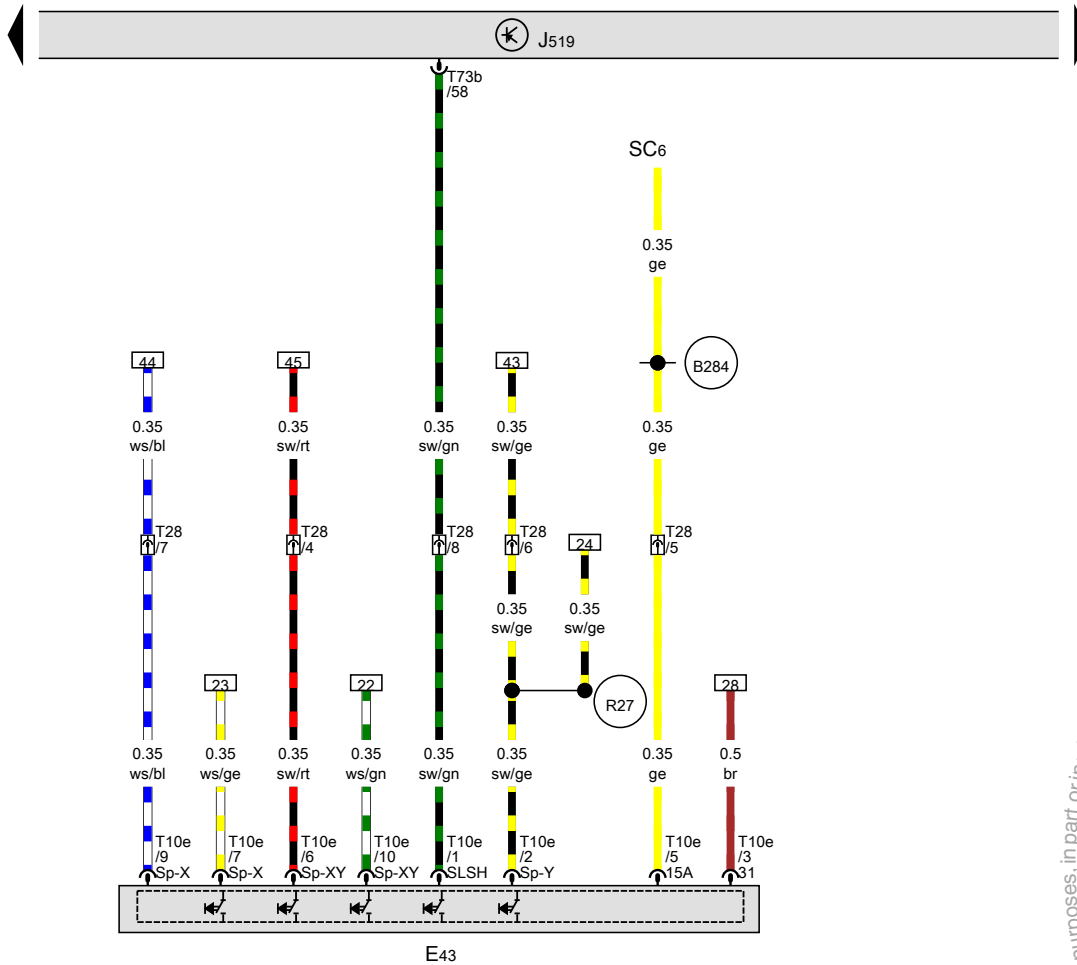
T10e 10-pin connector

T28 28-pin connector

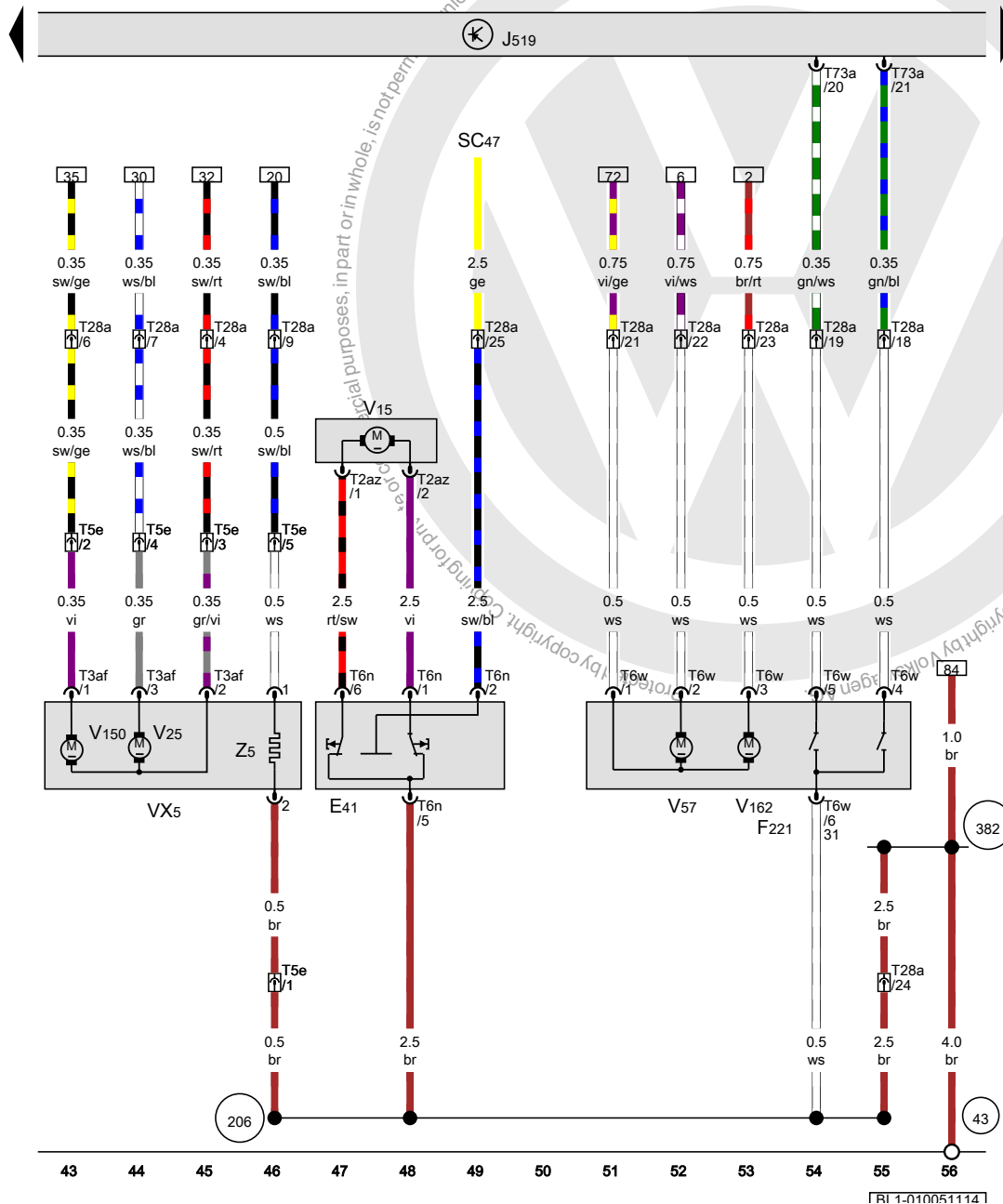
T73b 73-pin connector

B284 Positive connection 8 (15a) in main wiring harness

R27 Connection (mirror adjustment), in driver door wiring harness



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Front right window regulator switch, Front passenger side central locking lock unit, Onboard supply control unit, Front passenger side exterior mirror

- E41 Front right window regulator switch, in front passenger door
- F221 Front passenger side central locking lock unit
- J519 Onboard supply control unit
- SC47 Fuse 47 on fuse holder C
- T2az 2-pin connector
- T3af 3-pin connector, black
- T5e 5-pin connector
- T6n 6-pin connector, black
- T6w 6-pin connector
- T28a 28-pin connector
- T73a 73-pin connector
- VX5 Front passenger side exterior mirror, in front passenger door
- V15 Right window regulator motor, in front passenger door
- V25 Front passenger side mirror adjustment motor 2
- V57 Front passenger seat central locking motor
- V150 Front passenger side mirror adjustment motor
- V162 Front passenger door central locking SAFELOCK function motor
- Z5 Heated exterior mirror on front passenger side

- 43 Earth point, lower part of right A-pillar
- 206 Earth connection, in front passenger door wiring harness
- 382 Earth connection 17, in main wiring harness

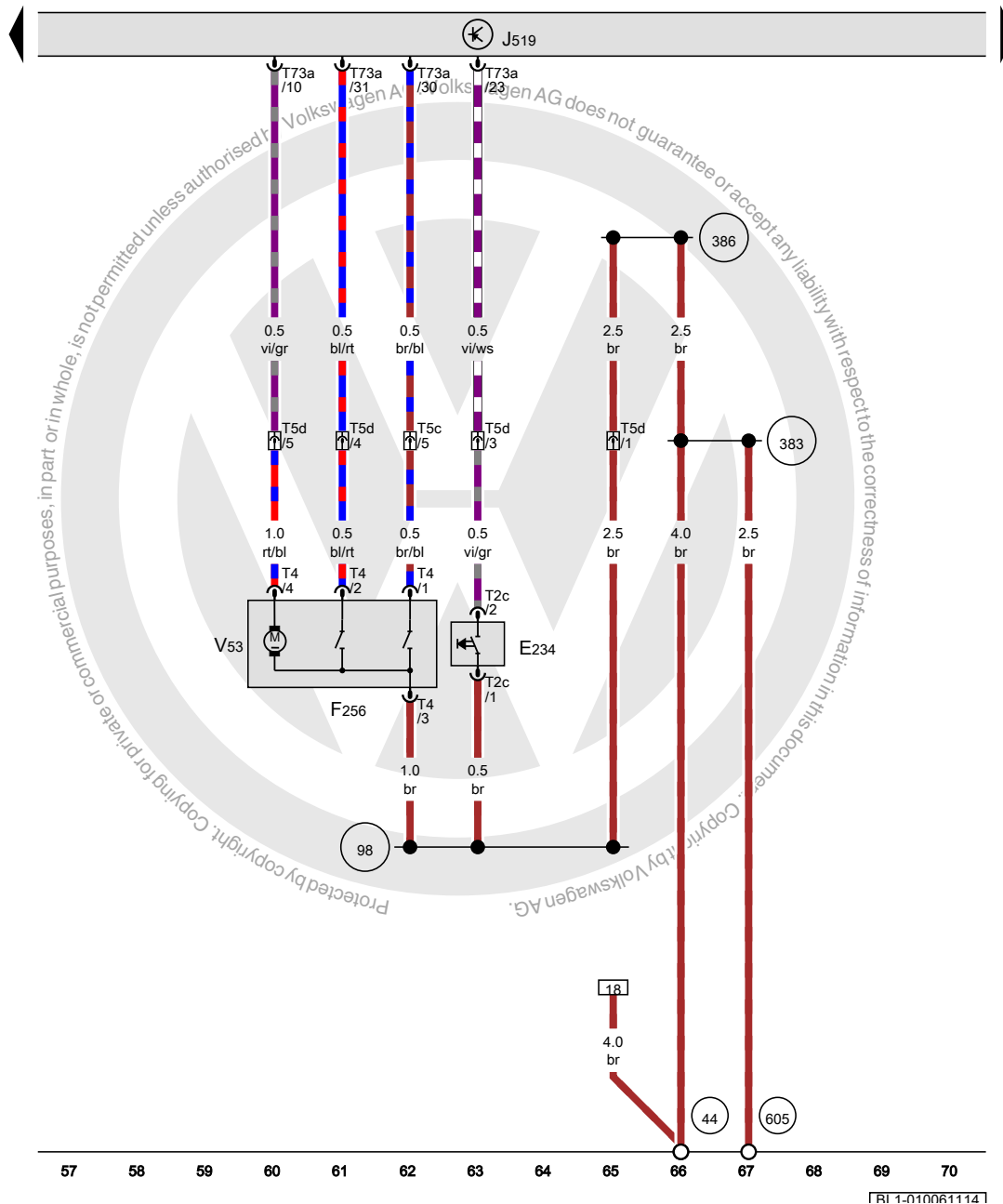
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Rear lid handle release button, Rear lid lock unit, Onboard supply control unit

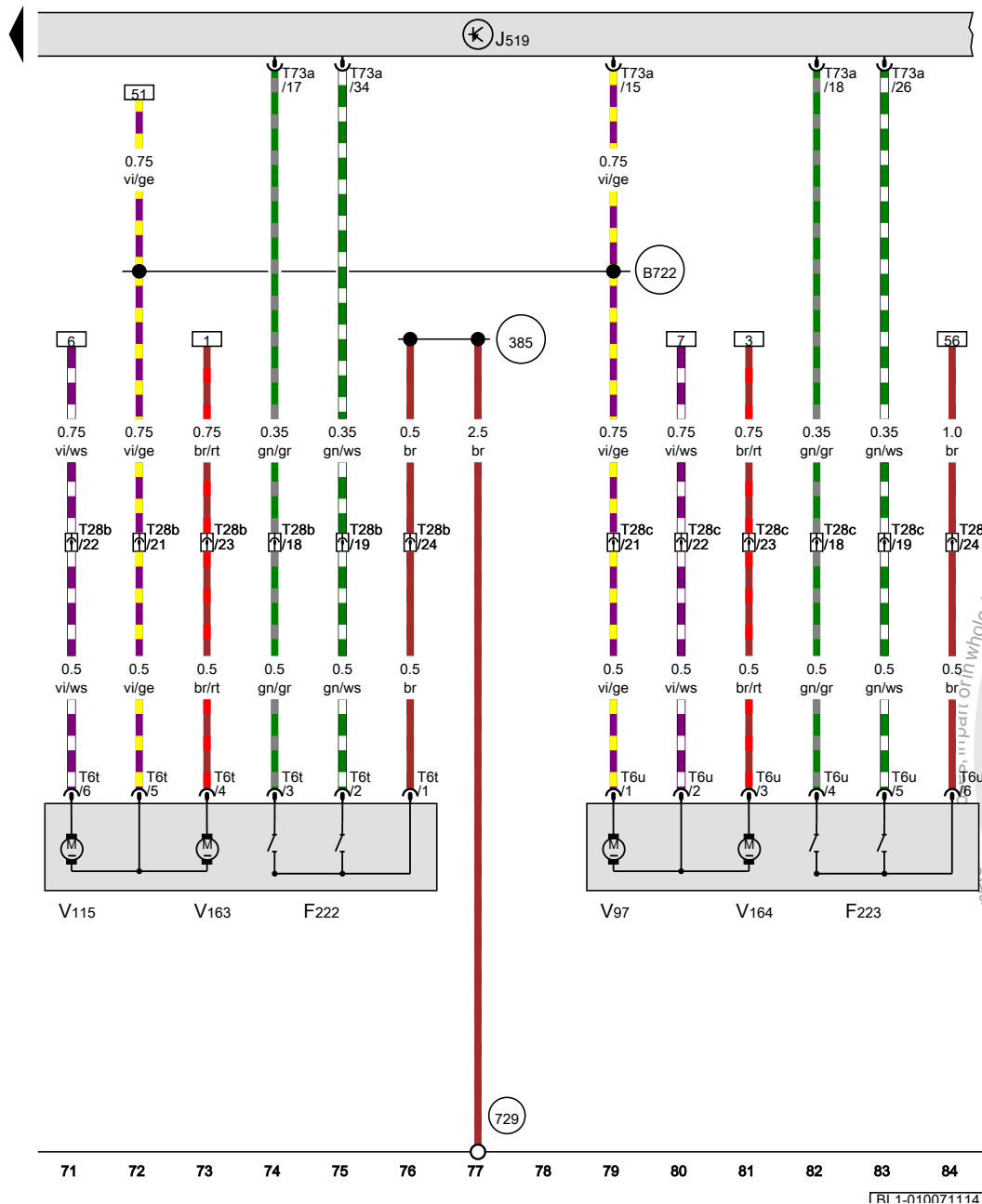
- E234 Rear lid handle release button
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T2c 2-pin connector
- T4 4-pin connector
- T5c 5-pin connector
- T5d 5-pin connector
- T73a 73-pin connector
- V53 Rear lid central locking motor

- 44 Earth point, lower part of left A-pillar
- 98 Earth connection, in rear lid wiring harness
- 383 Earth connection 18, 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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Rear left central locking lock unit, Rear right central locking lock unit, Onboard supply control unit



- F222 Rear left central locking lock unit
- F223 Rear right central locking lock unit
- J519 Onboard supply control unit
- T6t 6-pin connector
- T6u 6-pin connector
- T28b 28-pin connector
- T28c 28-pin connector
- T73a 73-pin connector
- V97 Rear right door central locking motor
- V115 Rear left door central locking motor
- V163 Rear left door central locking SAFELOCK function motor
- V164 Rear right door central SAFELOCK function locking motor

- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- B722 Connection 3 (central locking), in main wiring harness

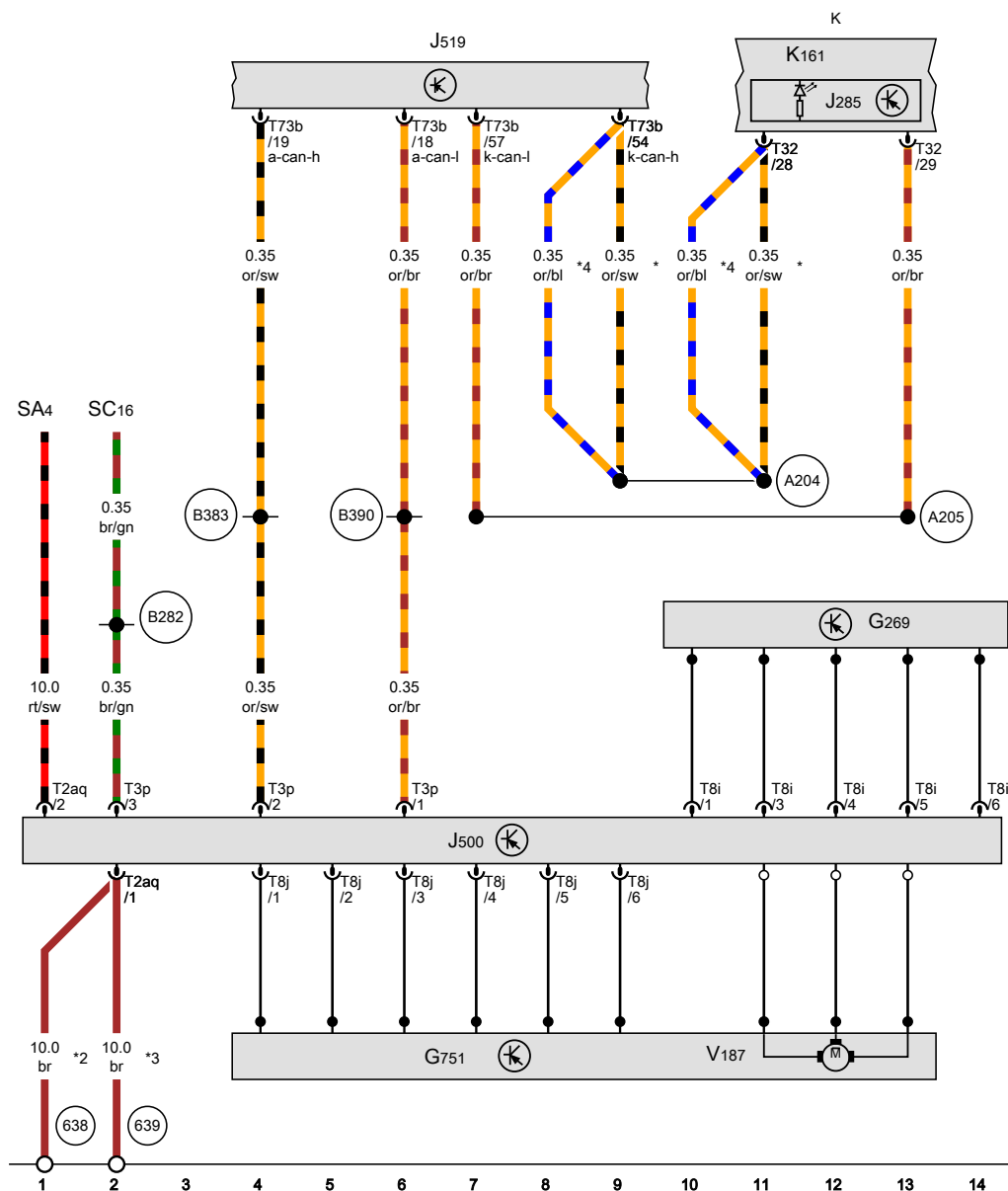
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## Power assisted steering

From July 2013



Steering moment sender, Rotor position sender for active steering motor, Power steering control unit, Onboard supply control unit, Electromechanical power steering warning lamp, Electromechanical power steering motor



- G269 Steering moment sender
- G751 Rotor position sender for active steering motor
- J285 Control unit in dash panel insert
- J500 Power steering control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K161 Electromechanical power steering warning lamp
- SA4 Fuse 4 on fuse holder A
- SC16 Fuse 16 on fuse holder C
- T2aq 2-pin connector
- T3p 3-pin connector
- T8i 8-pin connector
- T8j 8-pin connector
- T32 32-pin connector
- T73b 73-pin connector
- V187 Electromechanical power steering motor

- 638 Earth point, on right A-pillar
- 639 Earth point, left A-pillar
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert CAN bus, low), in dash panel wiring harness
- B282 Positive connection 6 (15a) 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

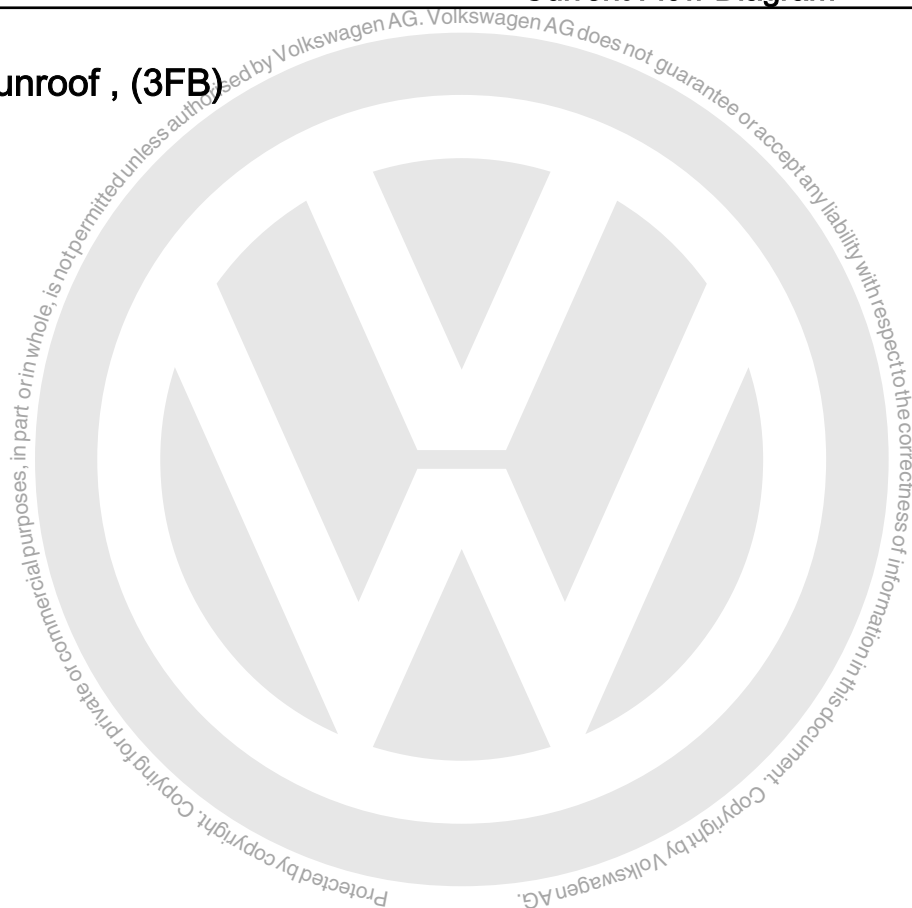
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- \* Up to August 2016
- \*2 For right-hand drive models
- \*3 For left-hand drive models
- \*4 From August 2016



## Panoramic sliding sunroof , (3FB)

From July 2013

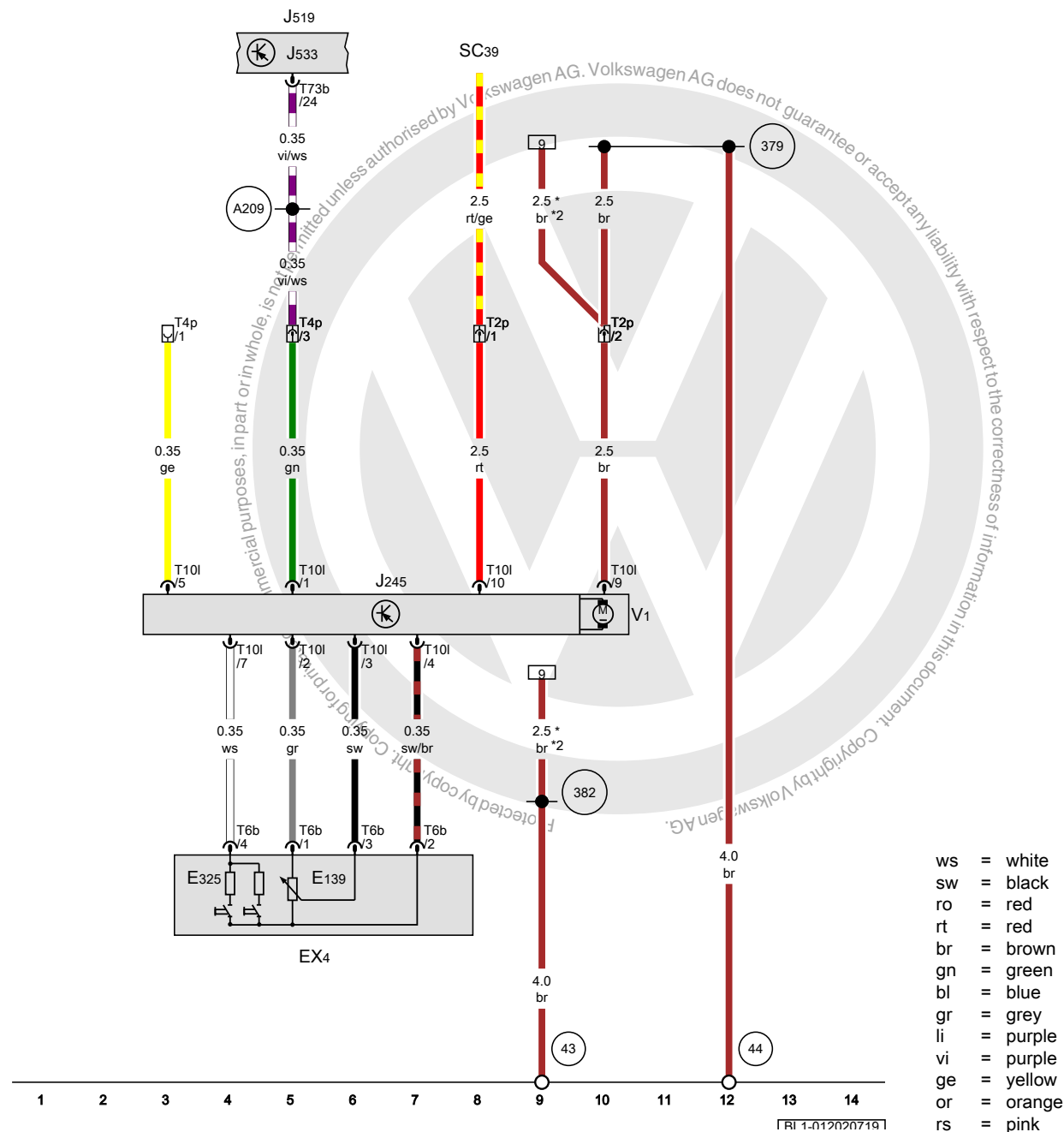


Sliding sunroof adjustment, Sliding sunroof adjustment control unit, Onboard supply control unit, Sliding sunroof motor

- EX4 Sliding sunroof adjustment
- E139 Sliding sunroof adjustment regulator, in interior light switch trim, sunroof
- E325 Sunroof button, in interior light switch trim, sunroof
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SC39 Fuse 39 on fuse holder C
- T2p 2-pin connector, near sliding sunroof switch
- T4p 4-pin connector, near sliding sunroof switch
- T6b 6-pin connector
- T10l 10-pin connector
- T73b 73-pin connector
- V1 Sliding sunroof motor

- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- A209 Connection 1 (LIN bus) in dash panel wiring harness

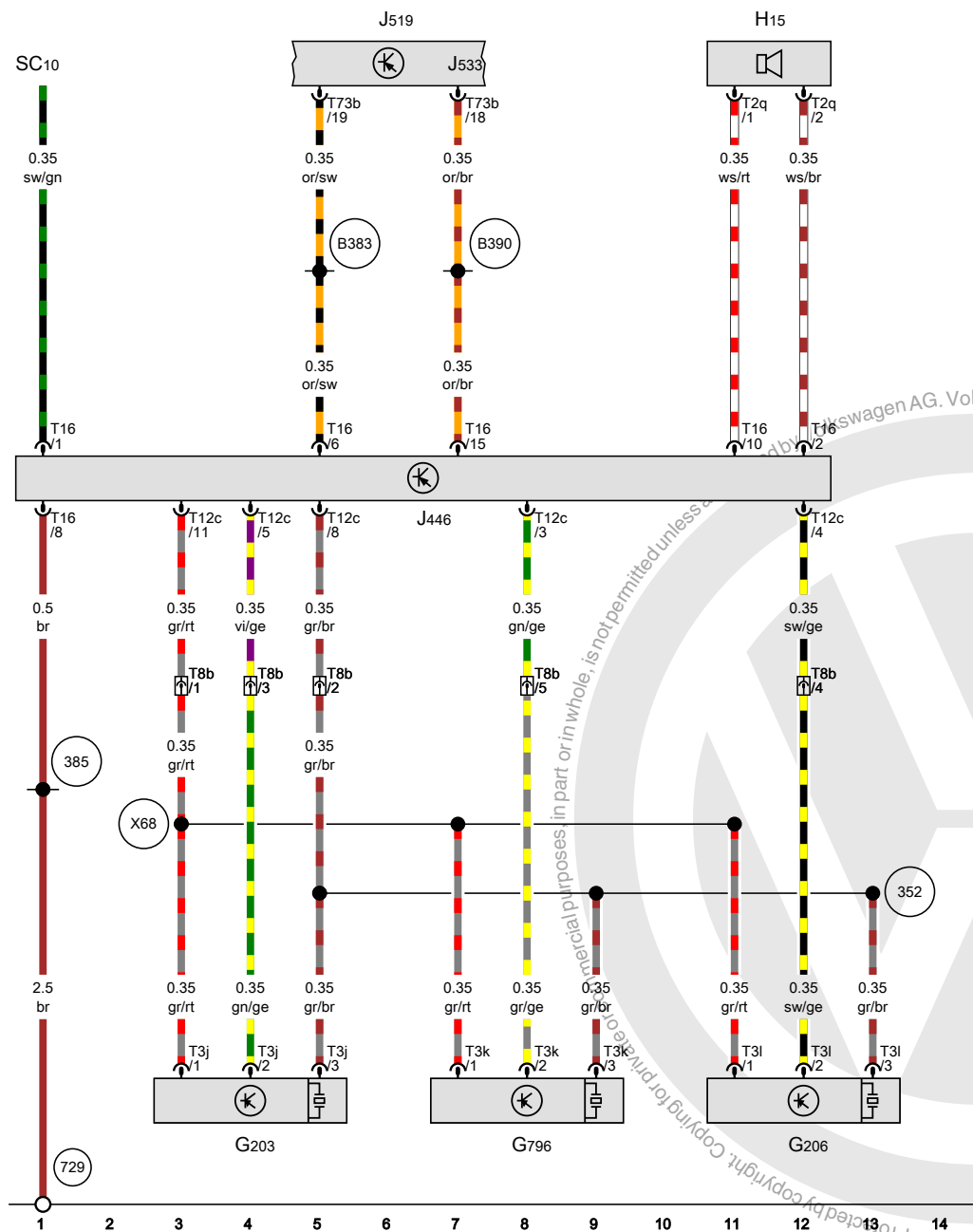
- \* From November 2014
- \*2 For right-hand drive models



## Parking aid (PDC)

From July 2013





Rear left parking aid sender, Rear right parking aid sender, Rear centre parking aid sender, Rear parking aid warning buzzer, Parking aid control unit, Onboard supply control unit, Data bus diagnostic interface

- G203 Rear left parking aid sender
- G206 Rear right parking aid sender
- G796 Rear centre parking aid sender
- H15 Rear parking aid warning buzzer, behind left side trim in luggage compartment
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SC10 Fuse 10 on fuse holder C
- T2q 2-pin connector
- T3j 3-pin connector
- T3k 3-pin connector
- T3l 3-pin connector
- T8b 8-pin connector, behind rear bumper on left
- T12c 12-pin connector
- T16 16-pin connector
- T73b 73-pin connector
- 352 Earth connection (parking aid), in rear bumper wiring harness, in rear bumper
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness, in rear bumper

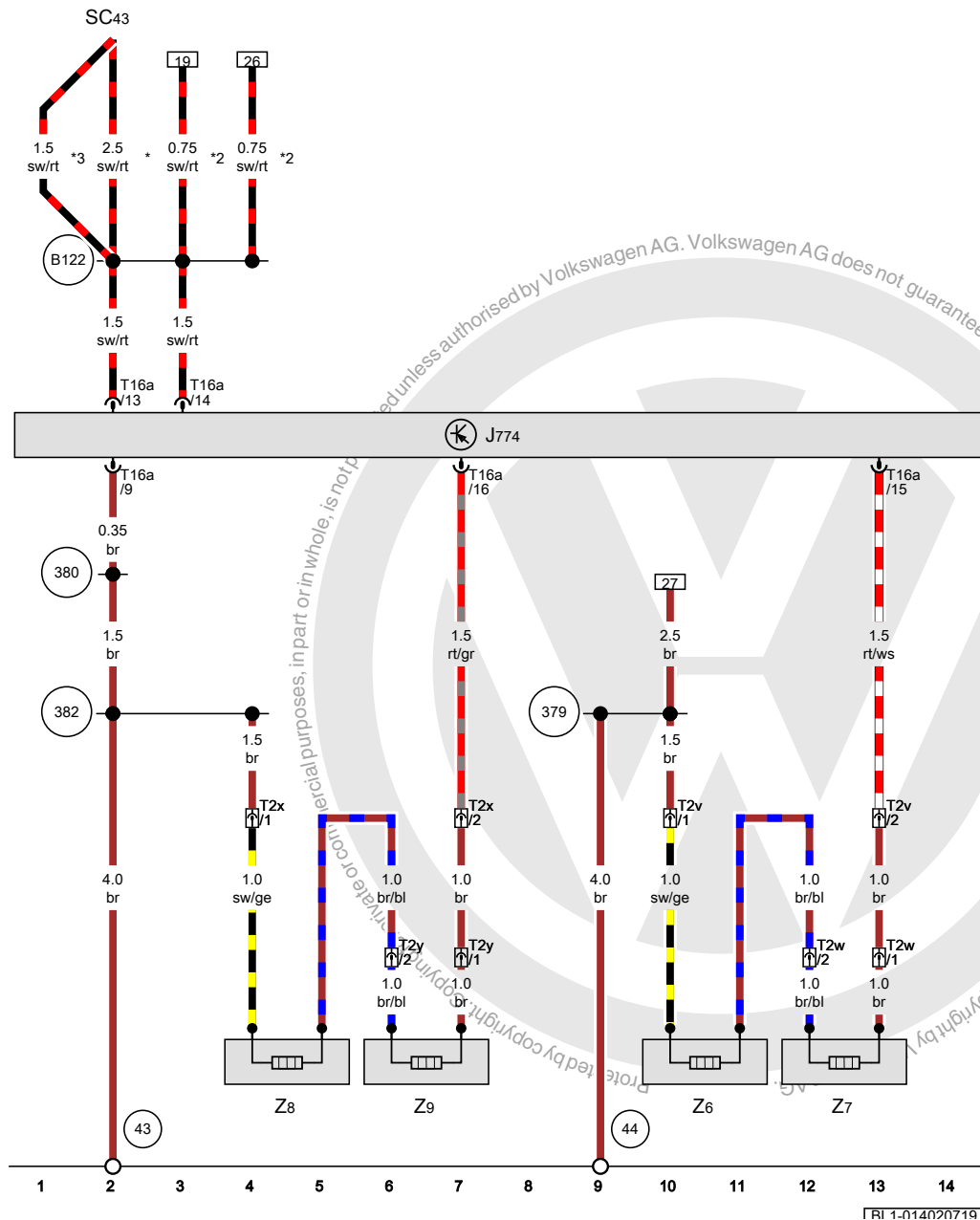
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## Seat heating

From July 2013



Heated front seats control unit, Heated seat cushion for driver seat, Heated backrest for driver seat, Heated seat cushion for front passenger seat, Heated backrest for front passenger seat



- J774 Heated front seats control unit
- SC43 Fuse 43 on fuse holder C
- T2v 2-pin connector, under driver seat
- T2w 2-pin connector
- T2x 2-pin connector, under front passenger seat
- T2y 2-pin connector
- T16a 16-pin connector
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- B122 Connection (75, seat heating), in interior wiring harness
- \* Up to August 2016
- \*2 Cross section depends on equipment
- \*3 From August 2016

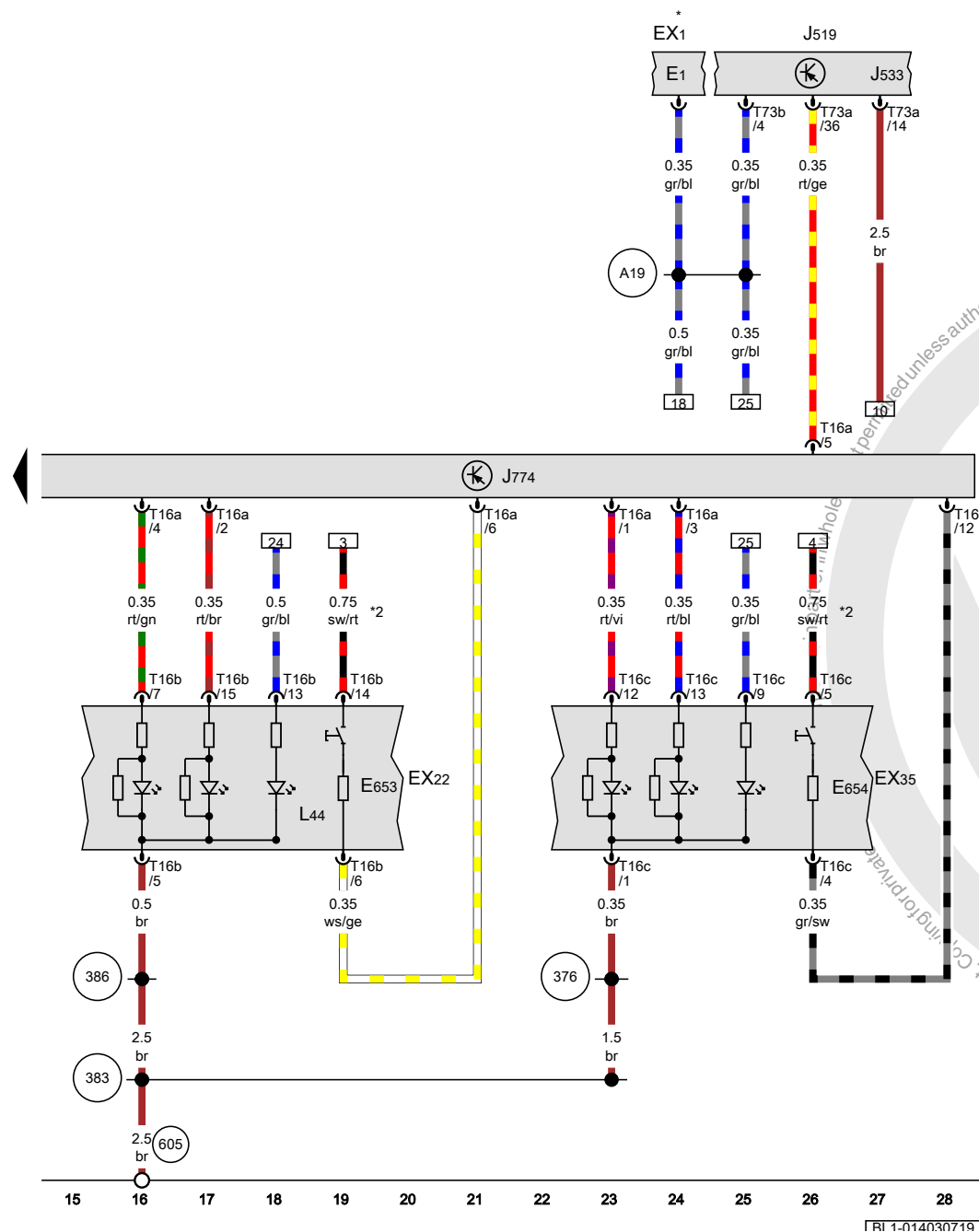
Centre switch module in dash panel, Centre switch module 2 in dash panel, Button for left seat heating, Button for right seat heating, Onboard supply control unit, Data bus diagnostic interface, Heated front seats control unit

- E1 Light switch
- EX1 Rotary light switch
- EX22 Centre switch module in dash panel
- EX35 Centre switch module 2 in dash panel
- E653 Button for left seat heating
- E654 Button for right seat heating
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J774 Heated front seats control unit
- L44 Seat heating switch illumination bulb
- T16a 16-pin connector
- T16b 16-pin connector
- T16c 16-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 376 Earth connection 11, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- A19 Connection (58d), in dash panel wiring harness

\* see applicable current flow diagram for basic 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



## Airbag systems

From July 2013





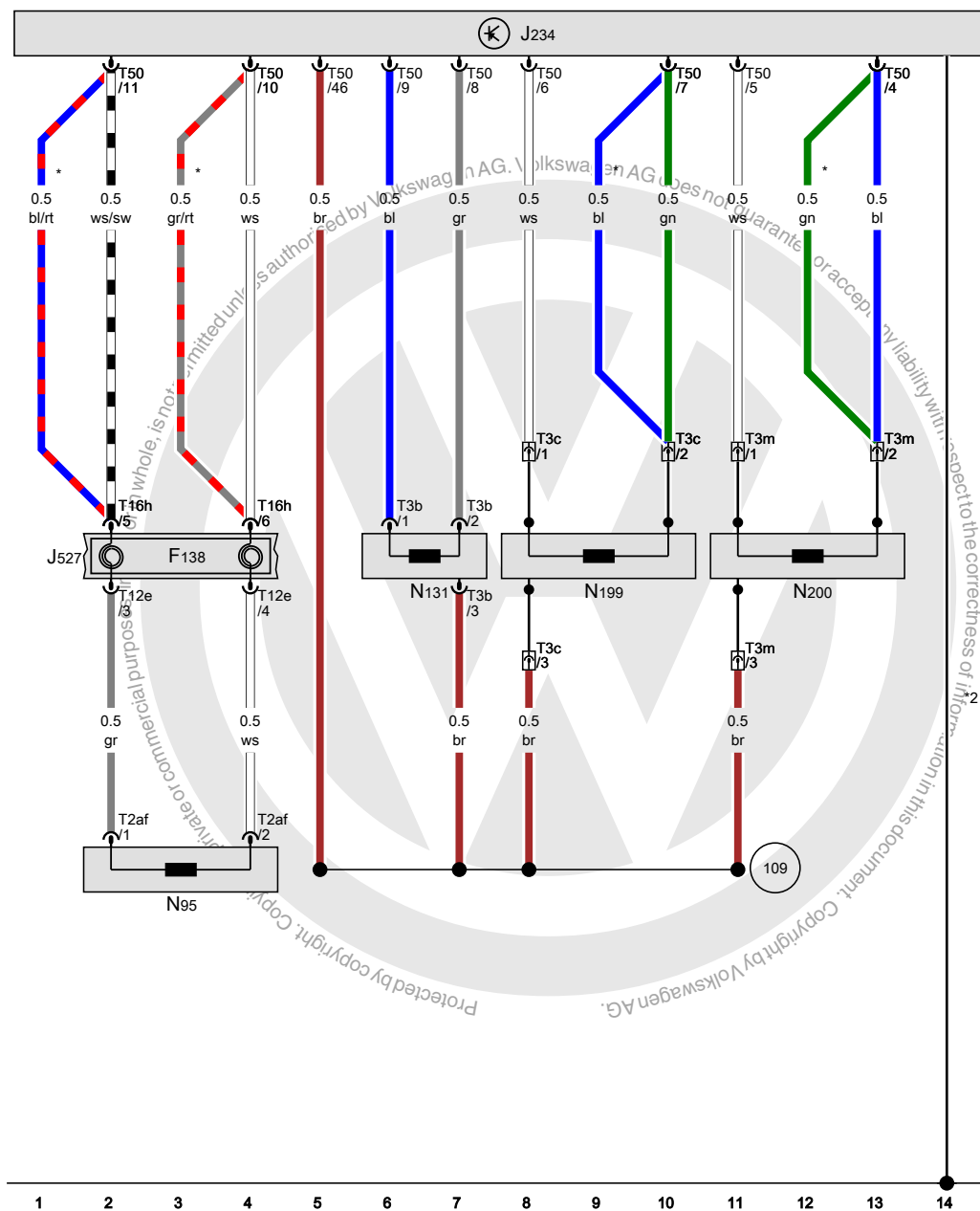
Airbag coil connector and return ring with slip ring, Airbag control unit, Steering column electronics control unit, Airbag igniter on driver side, Airbag igniter 1 on front passenger side, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- J527 Steering column electronics control unit
- N95 Airbag igniter on driver side
- N131 Airbag igniter 1 on front passenger side
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T2af 2-pin connector
- T3b 3-pin connector
- T3c 3-pin connector, under driver seat
- T3m 3-pin connector, under front passenger seat
- T12e 12-pin connector
- T16h 16-pin connector
- T50 50-pin connector

109 Earth connection, in airbag wiring harness

\* For right-hand drive models

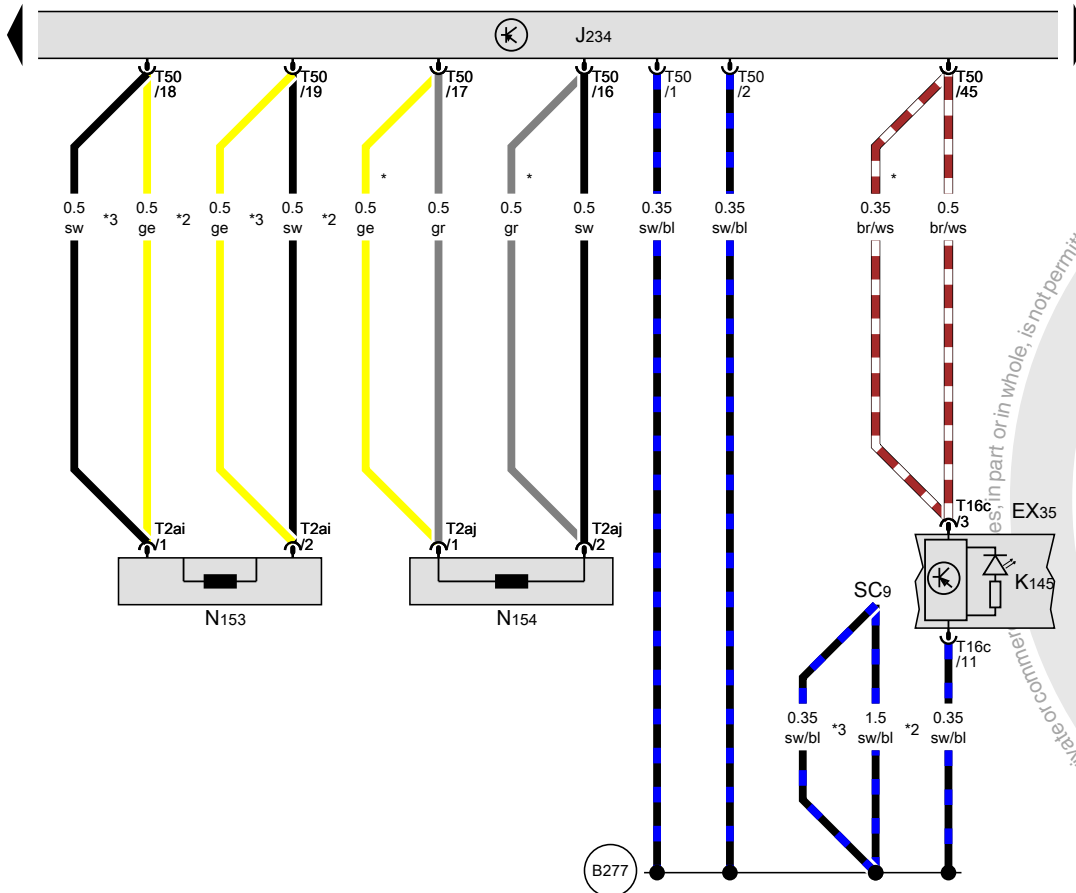
\*2 Earth supply via housing



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

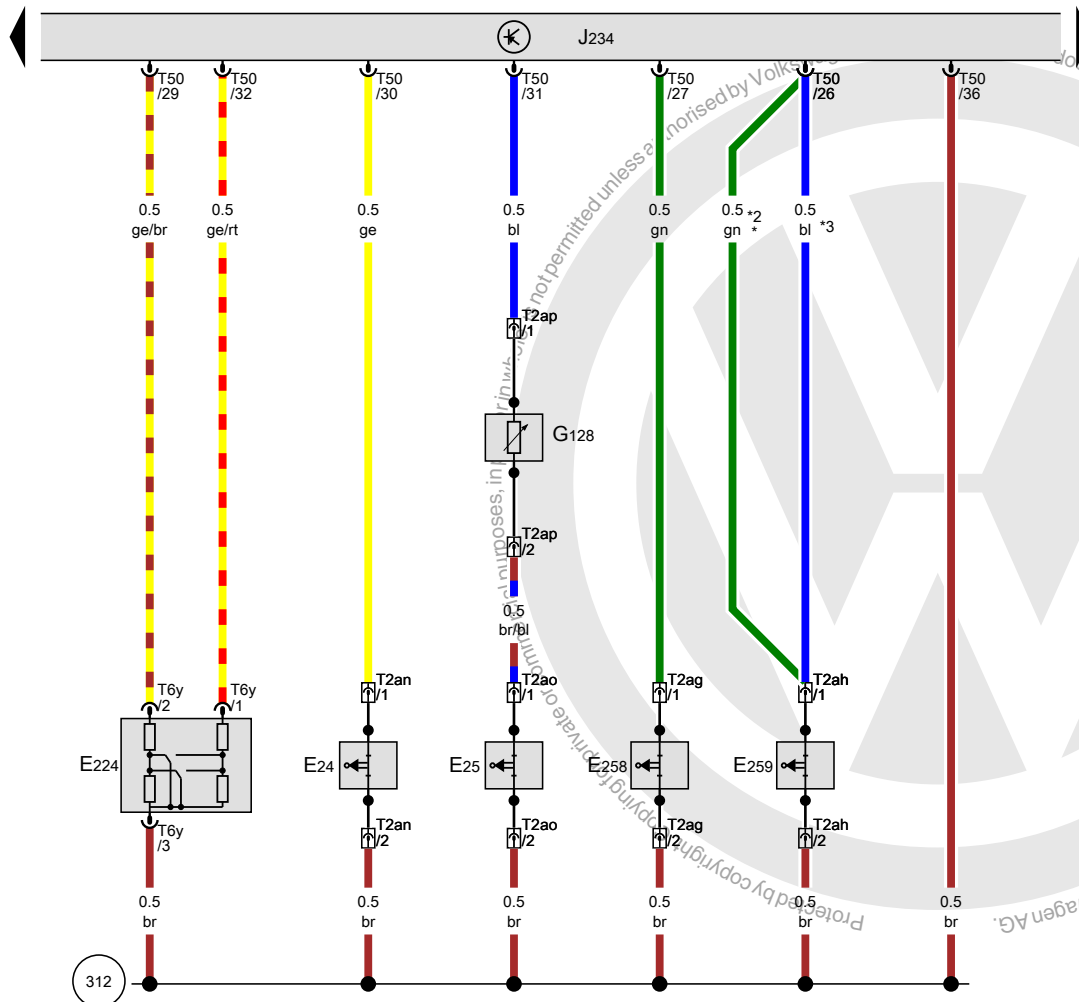
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Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1



- EX35 Centre switch module 2 in dash panel
- J234 Airbag control unit
- K145 Warning lamp for airbag deactivated on front passenger side
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- SC9 Fuse 9 on fuse holder C
- T2ai 2-pin connector
- T2aj 2-pin connector
- T16c 16-pin connector
- T50 50-pin connector
- B277 Positive connection 1 (15a) in main wiring harness
- \* For right-hand drive models
- \*2 Up to August 2016
- \*3 From August 2016

ws = white  
 sw = black  
 ro = red  
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Driver side belt switch, Front passenger side belt switch, Key operated switch to deactivate airbag on front passenger side, Rear belt switch, driver side, Rear belt switch, passenger side, Seat occupied sensor on front passenger side, Airbag control unit

- E24 Driver side belt switch
- E25 Front passenger side belt switch
- E224 Key operated switch to deactivate airbag on front passenger side
- E258 Rear belt switch, driver side
- E259 Rear belt switch, passenger side
- Seat occupied sensor on front passenger side
- J234 Airbag control unit
- T2ag 2-pin connector
- T2ah 2-pin connector
- T2an 2-pin connector, under driver seat
- T2ao 2-pin connector, under front passenger seat
- T2ap 2-pin connector, under front passenger seat
- T6y 6-pin connector
- T50 50-pin connector

312 Earth connection 2, in airbag wiring harness

\* For right-hand drive models

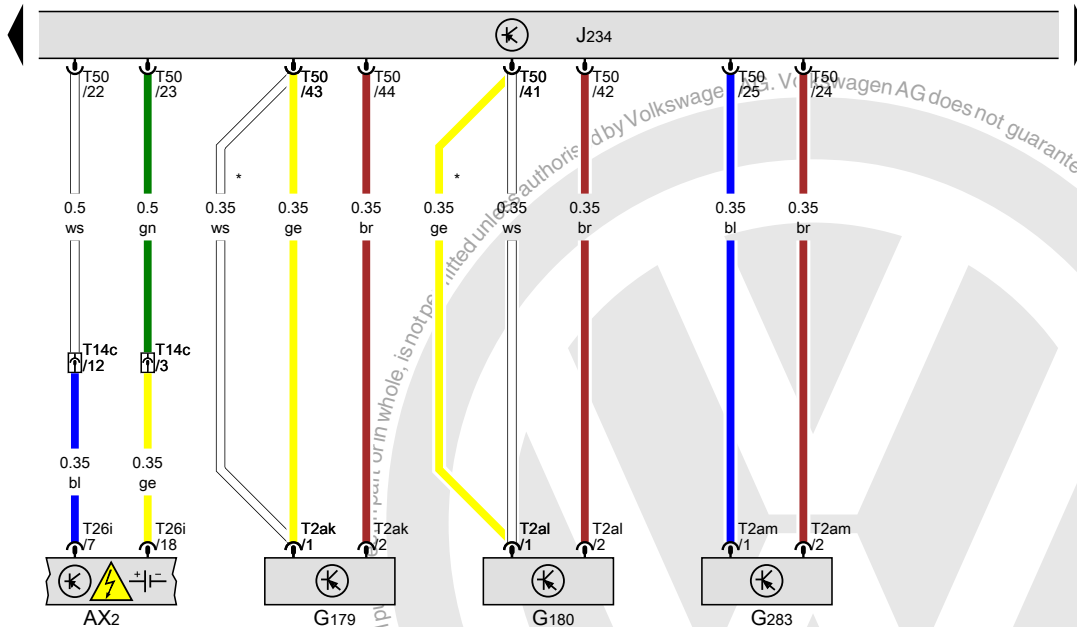
\*2 Up to November 2014

\*3 From November 2014

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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  
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rs = pink

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

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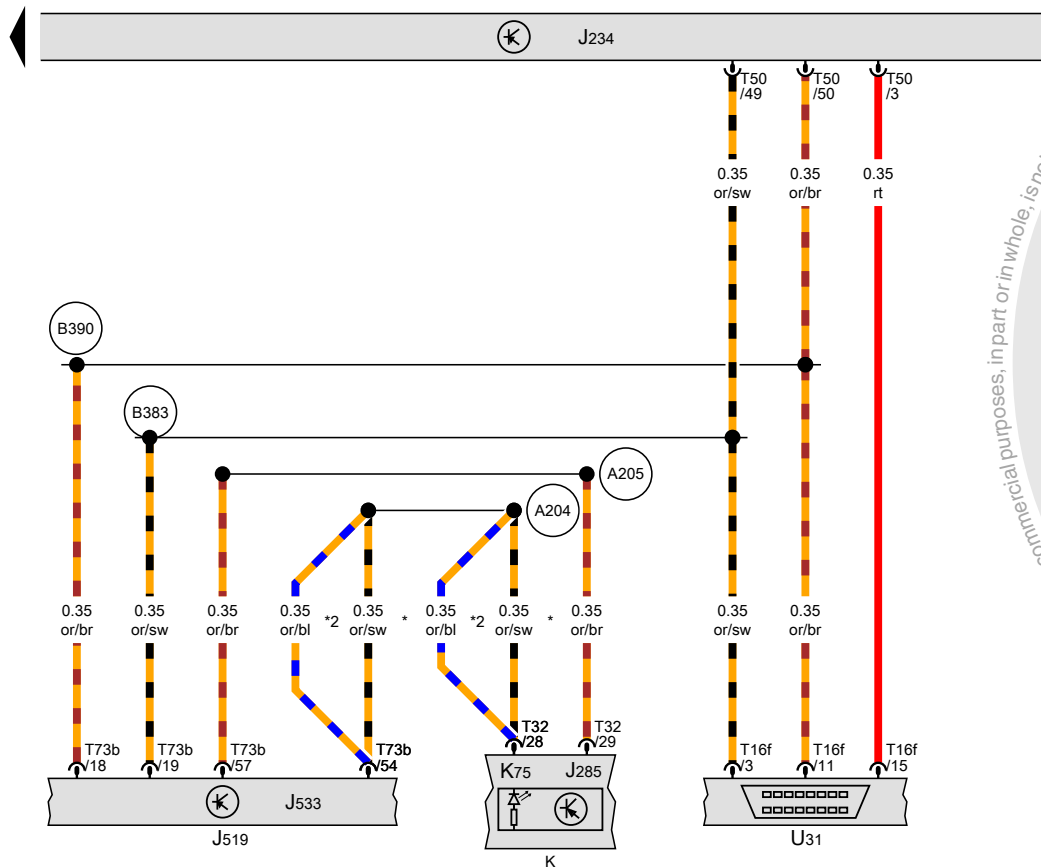


Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for driver side, Airbag control unit

- AX2 High-voltage battery 1
- 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
- J234 Airbag control unit
- T2ak 2-pin connector
- T2al 2-pin connector
- T2am 2-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T50 50-pin connector
- \* For right-hand drive models

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Airbag control unit, Dash panel insert, Airbag warning lamp



- 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
- T16f 16-pin connector
- T32 32-pin connector
- T50 50-pin connector
- T73b 73-pin connector
- U31 Diagnostic connection
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert 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
- \* Up to August 2016
- \*2 From August 2016

ws = white  
 sw = black  
 ro = red  
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 bl = blue  
 gr = grey  
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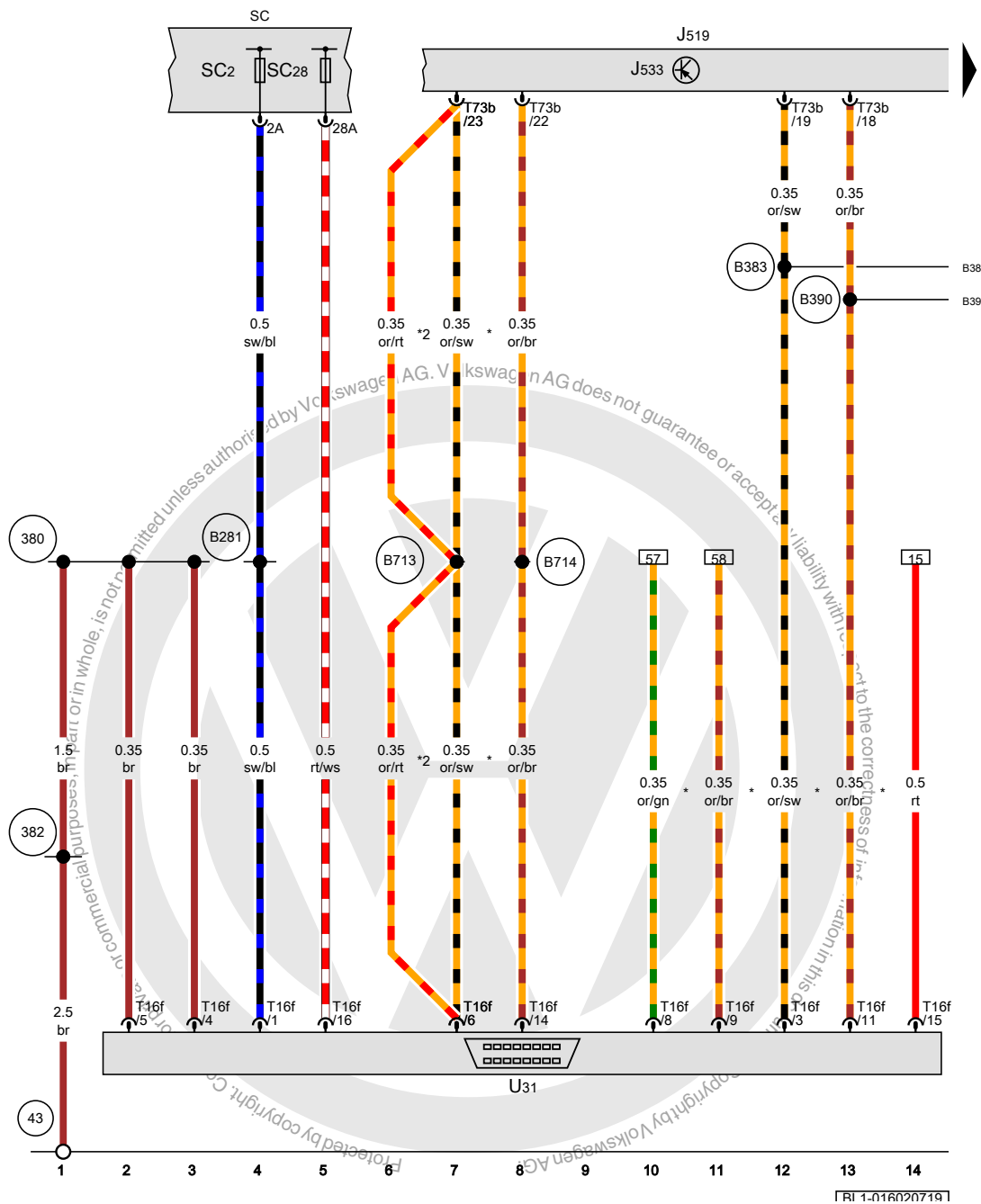
57 58 59 60 61 62 63 64 65 66 67 68 69 70

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## Data bus network

From July 2013





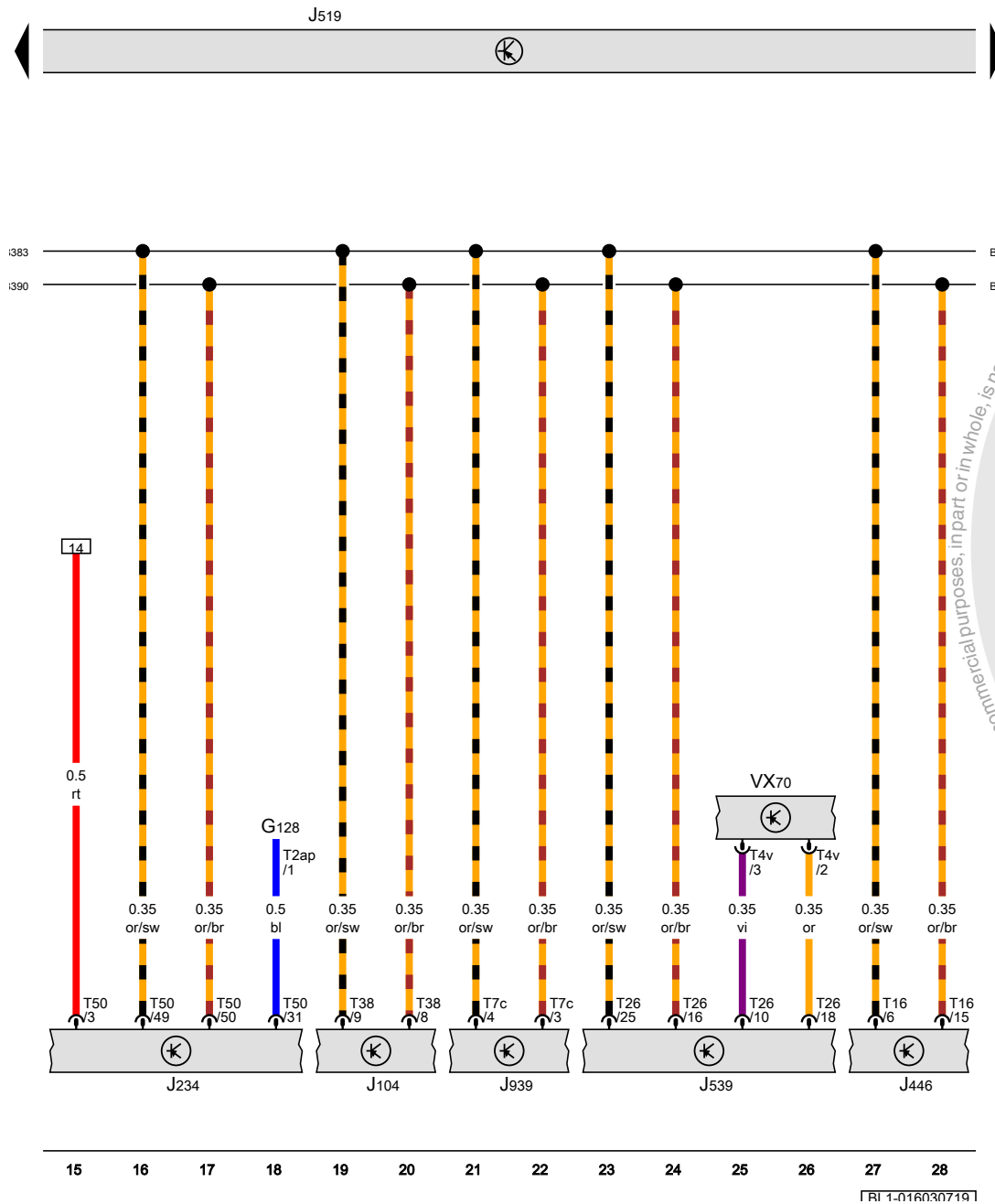
# Onboard supply control unit, Fuse holder C, Diagnostic connection

J519 Onboard supply control unit  
 J533 Data bus diagnostic interface  
 SC Fuse holder C  
 SC2 Fuse 2 on fuse holder C  
 SC28 Fuse 28 on fuse holder C  
 T16f 16-pin connector  
 T73b 73-pin connector  
 U31 Diagnostic connection

- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- B281 Positive connection 5 (15a) 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
- B713 Connection 1 (CAN bus diagnosis, high), in main wiring harness
- B714 Connection 1 (CAN bus diagnosis, low), in main wiring harness

\* Up to August 2016  
 \*2 From August 2016

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Seat occupied sensor on front passenger side, ABS control unit, Airbag control unit, Parking aid control unit, Onboard supply control unit, Brake servo control unit, Emergency braking function sensor unit, Brake system pressure accumulator

G128 Seat occupied sensor on front passenger side

J104 ABS control unit

J234 Airbag control unit

J446 Parking aid control unit

J519 Onboard supply control unit

J539 Brake servo control unit

J939 Emergency braking function sensor unit

T2ap 2-pin connector

T4v 4-pin connector

T7c 7-pin connector

T16 16-pin connector

T26 26-pin connector

T38 38-pin connector

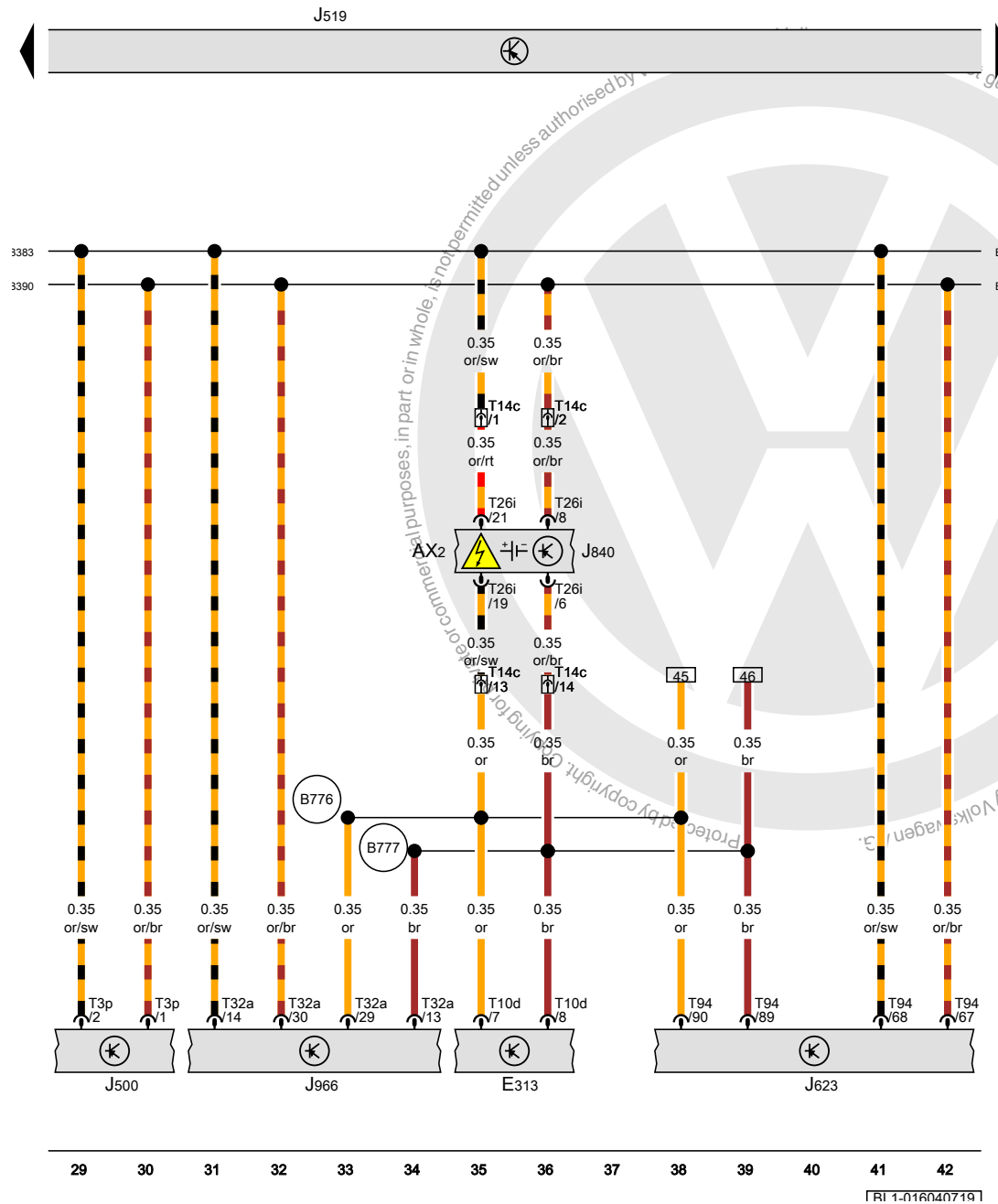
T50 50-pin connector

VX70 Brake system pressure accumulator

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

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

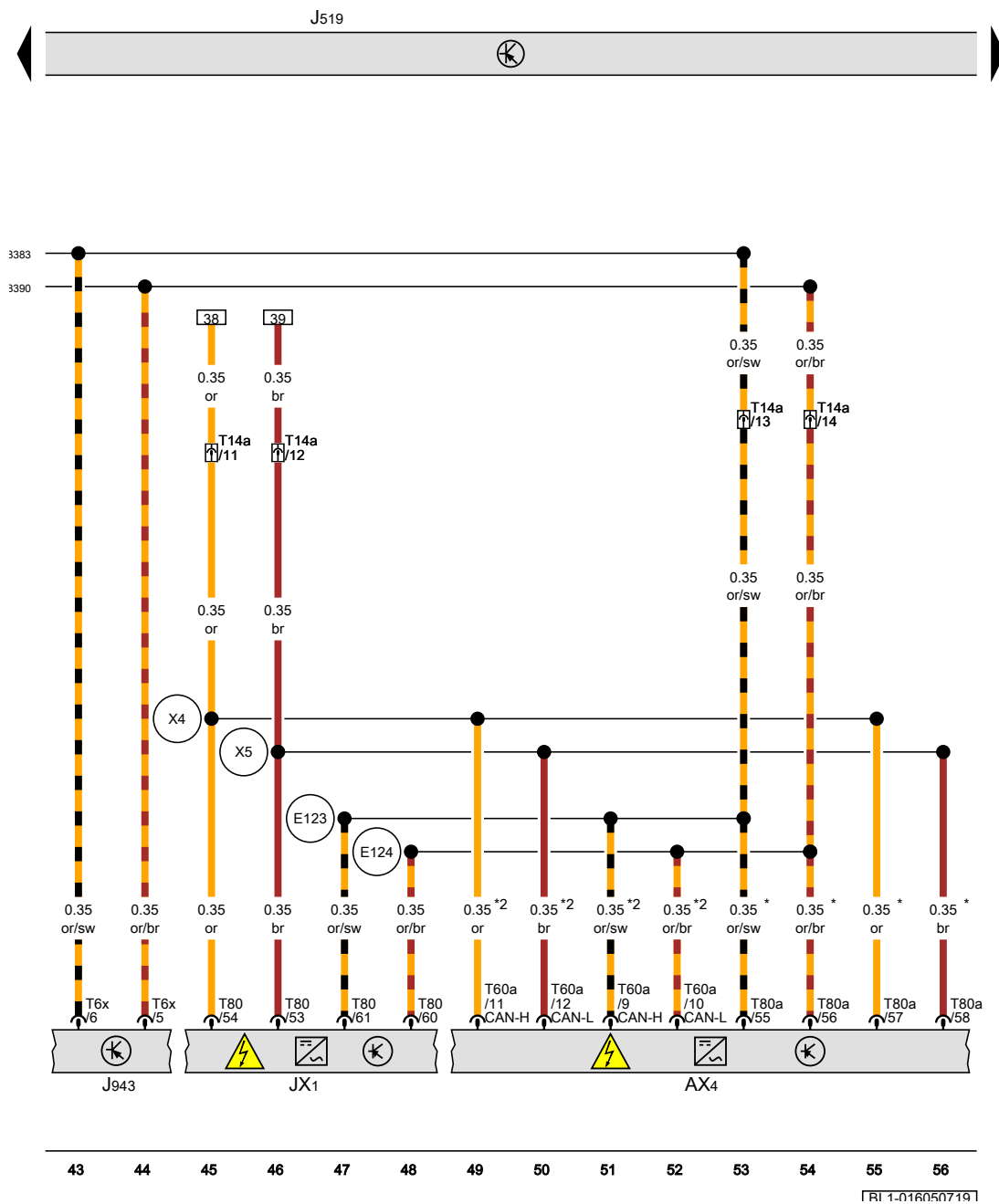




High-voltage battery 1, Selector lever, Power steering control unit, Onboard supply control unit, Engine/motor control unit, Battery regulation control unit, Charge voltage control unit for high-voltage battery

- AX2 High-voltage battery 1
- E313 Selector lever
- J500 Power steering control unit
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- J840 Battery regulation control unit
- J966 Charge voltage control unit for high-voltage battery
- T3p 3-pin connector
- T10d 10-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T32a 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
- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness

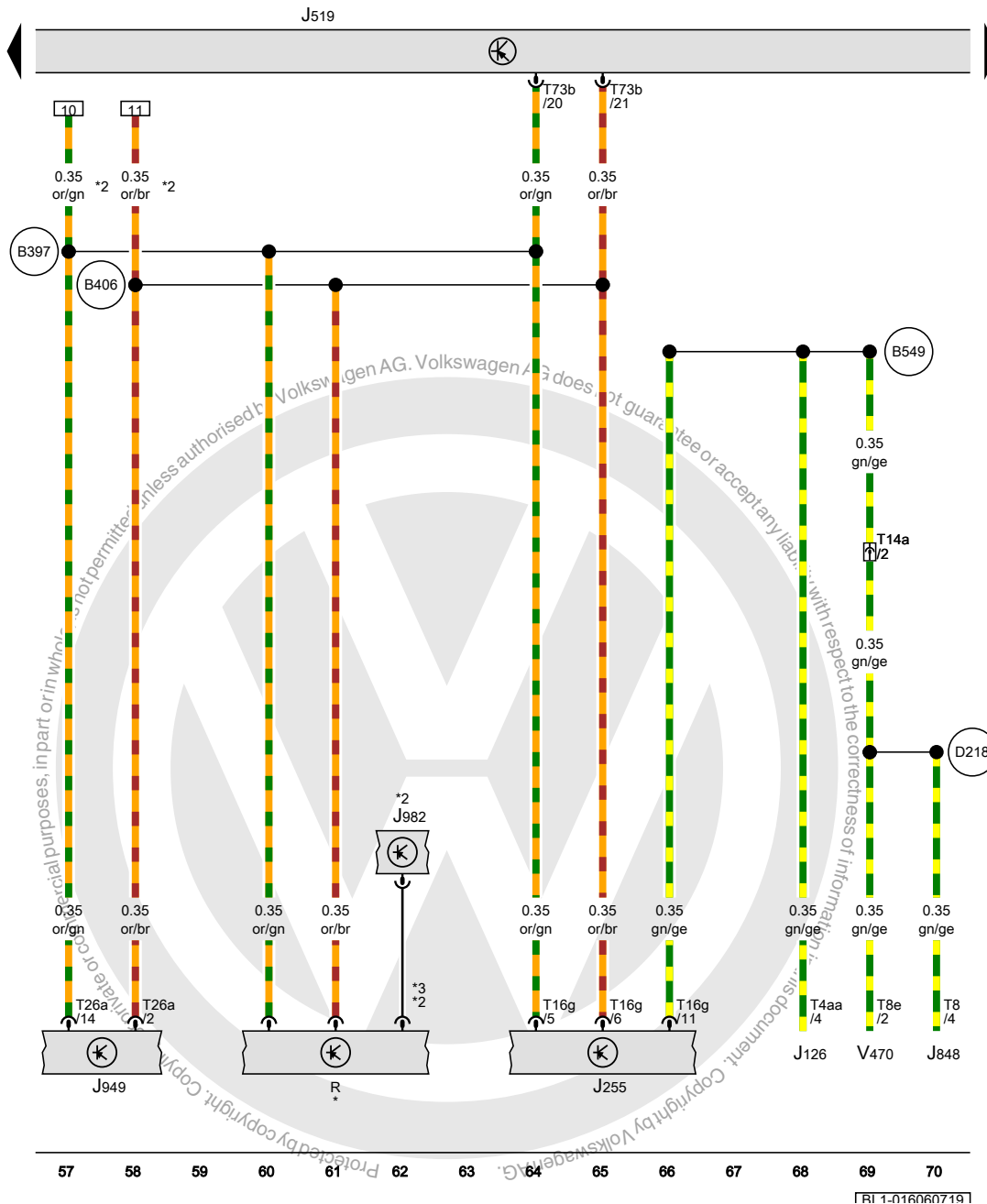


Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Onboard supply control unit, Engine sound generator control unit

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J519 Onboard supply control unit
- J943 Engine sound generator control unit
- T6x 6-pin connector, black
- T14a 14-pin connector, front left in engine compartment
- T60a 60-pin connector, black
- T80 80-pin connector
- T80a 80-pin connector

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- E123 Connection 1 (powertrain CAN bus, high), in engine wiring harness
- E124 Connection 1 (powertrain CAN bus, low), in engine 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
- \* Up to August 2019
- \*2 From August 2019

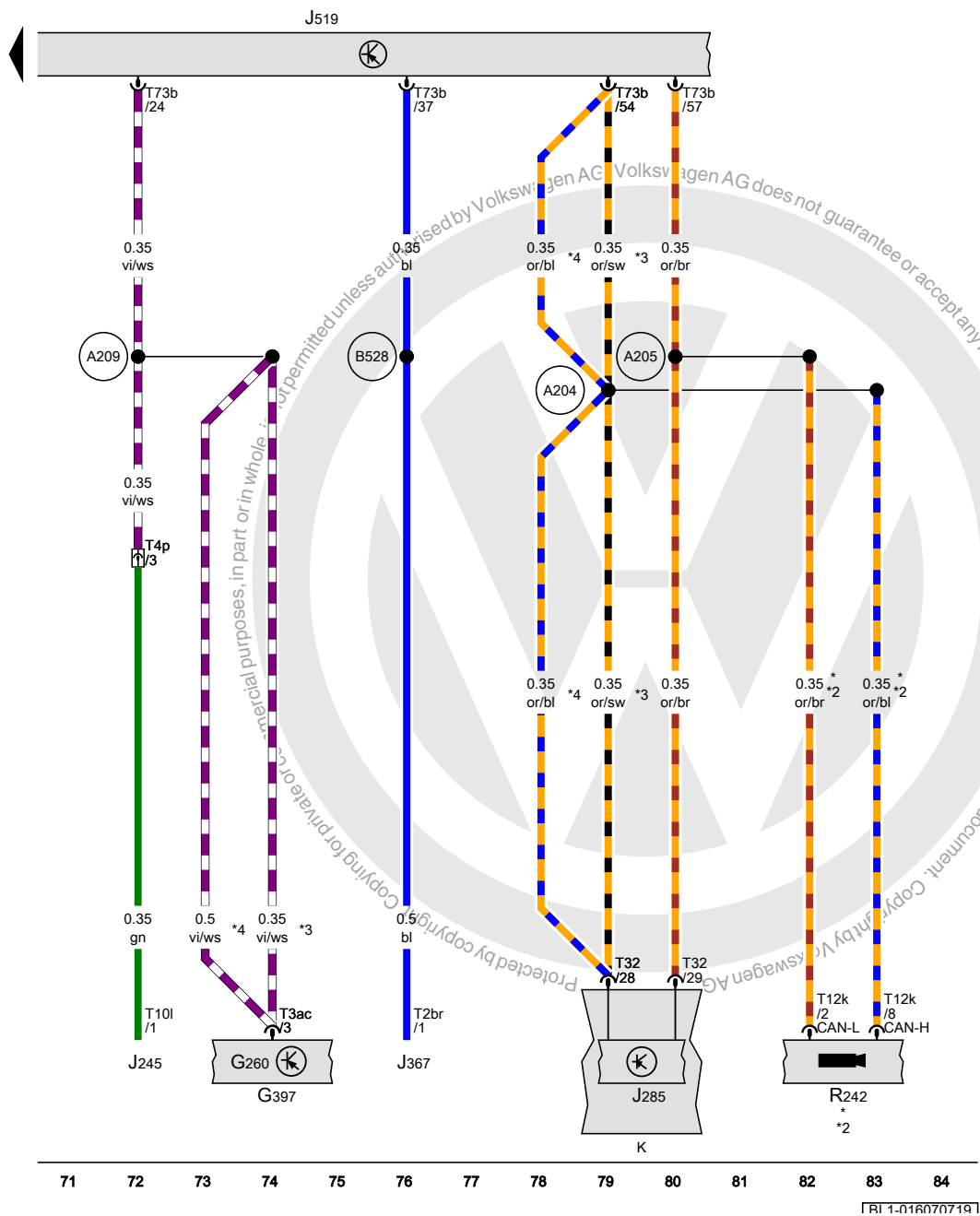
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- sw = black
- ro = red
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Fresh air blower control unit, Climatronic control unit, Onboard supply control unit, High-voltage heater (PTC) control unit, Emergency call module control unit and communication unit, Portable navigation and infotainment system, Radio, Electrical air conditioner compressor

- J126 Fresh air blower control unit
- J255 Climatronic control unit
- J519 Onboard supply control unit
- J848 High-voltage heater (PTC) control unit
- J949 Emergency call module control unit and communication unit
- J982 Portable navigation and infotainment system
- R Radio
- T4aa 4-pin connector
- T8 8-pin connector
- T8e 8-pin connector
- T14a 14-pin connector, front left in engine compartment
- T16g 16-pin connector
- T26a 26-pin connector
- T73b 73-pin connector
- V470 Electrical air conditioner compressor
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- \* see applicable current flow diagram
- \*2 Up to August 2016
- \*3 Adapter wire

ws = white  
 sw = black  
 ro = red  
 rt = red  
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 gn = green  
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Humidity sender for air conditioning system, Rain and light sensor, Sliding sunroof adjustment control unit, Control unit in dash panel insert, Battery monitor control unit, Onboard supply control unit, Dash panel insert, Front camera for driver assist systems

- G260 Humidity sender for air conditioning system
- G397 Rain and light sensor
- J245 Sliding sunroof adjustment control unit
- J285 Control unit in dash panel insert
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- K Dash panel insert
- R242 Front camera for driver assist systems
- T2br 2-pin connector
- T3ac 3-pin connector, black
- T4p 4-pin connector, on roof module
- T10l 10-pin connector
- T12k 12-pin connector, black
- T32 32-pin connector
- T73b 73-pin connector
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert CAN bus, low), in dash panel wiring harness
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- \* From August 2019
- \*2 For models with front camera for driver assist systems
- \*3 Up to August 2016
- \*4 From August 2016

## Engine sound generator , (GM2)

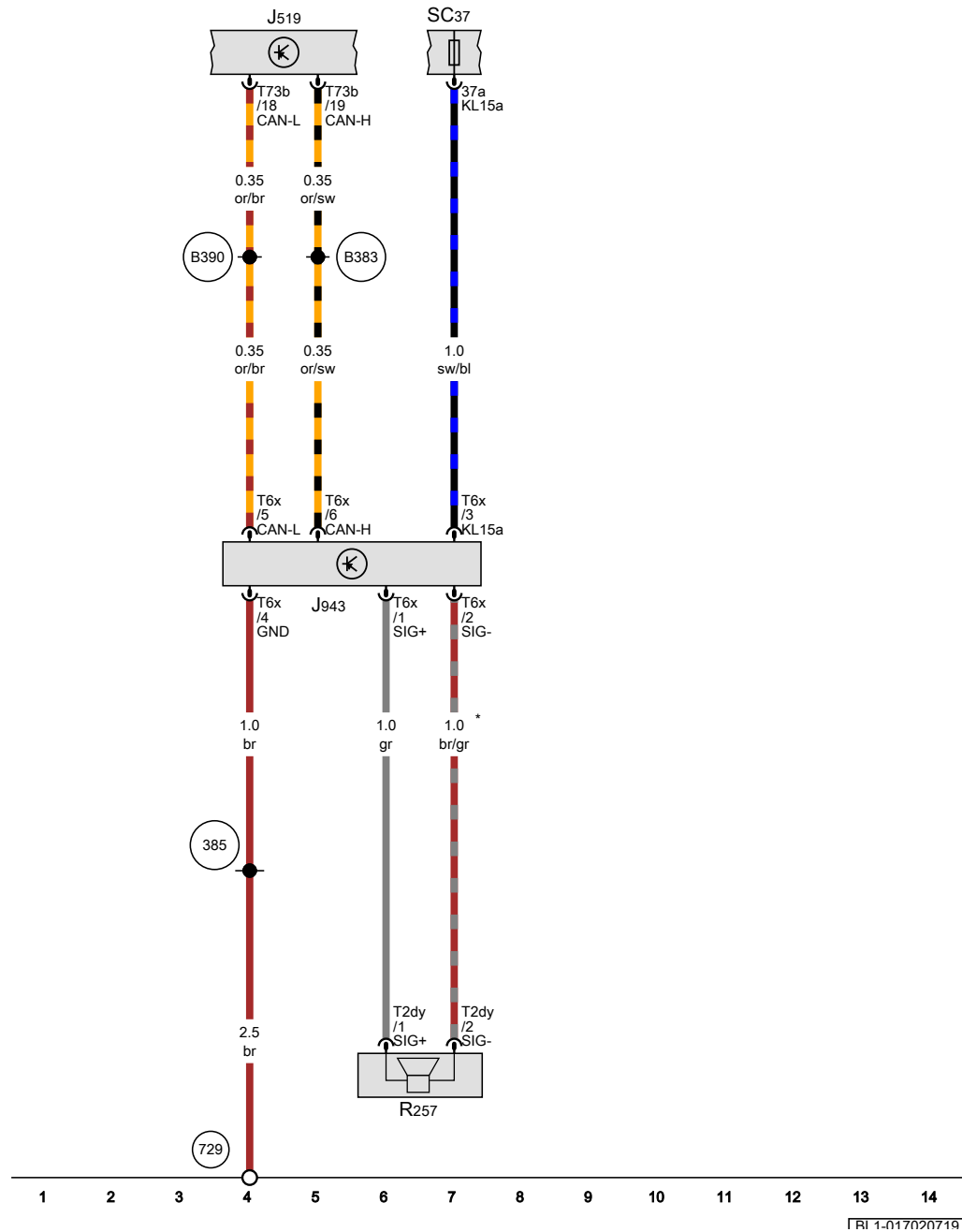
From November 2013



# Engine sound generator control unit, Actuator 1 for engine sound generator

- J519 Onboard supply control unit
- J943 Engine sound generator control unit
- R257 Actuator 1 for engine sound generator
- SC37 Fuse 37 on fuse holder C
- T2dy 2-pin connector
- T6x 6-pin connector
- T73b 73-pin connector

- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- \* Different wire colour possible

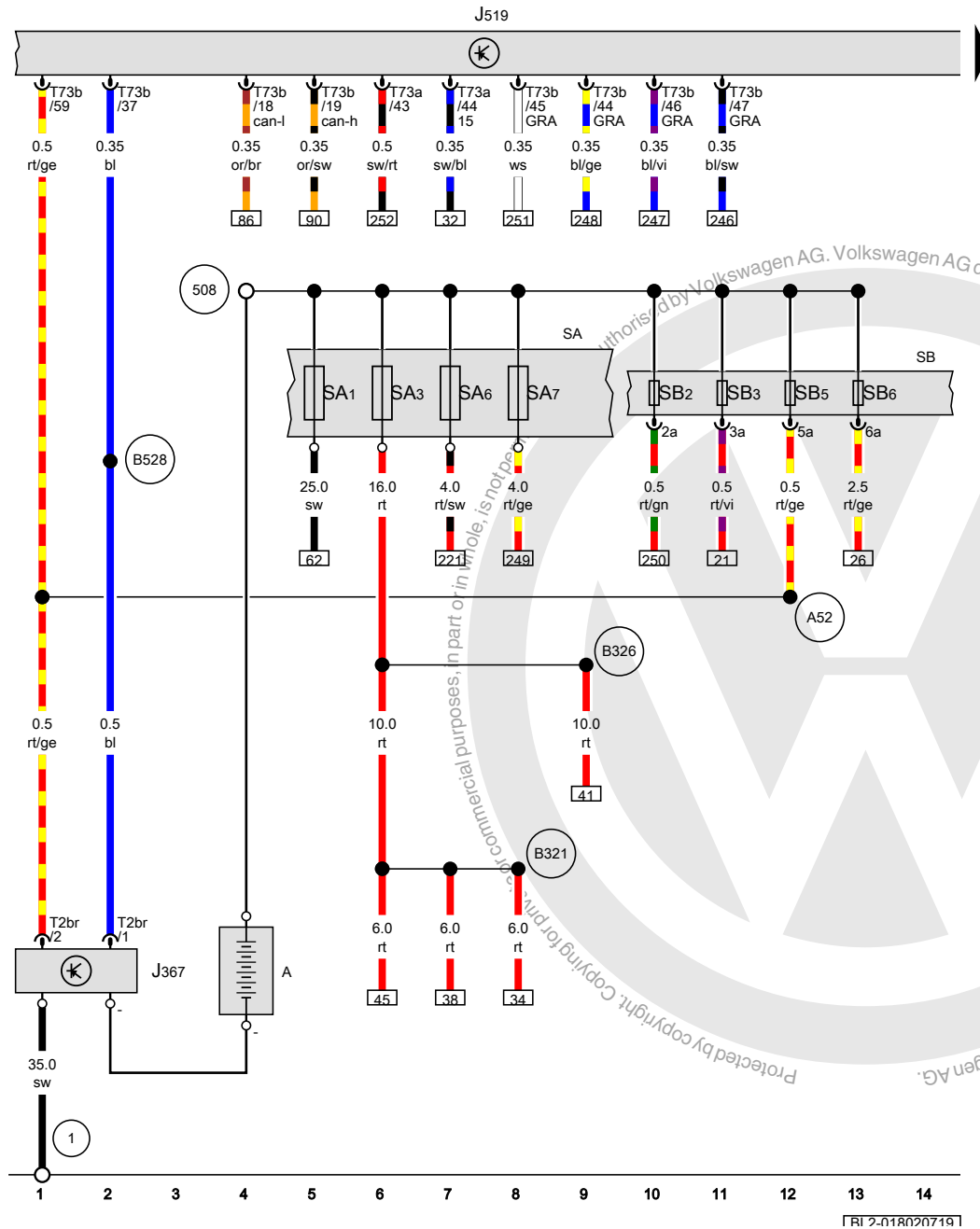


## Electric drive system , EABA

From August 2016



Battery, Battery monitor control unit, Onboard supply control unit, Fuse holder A, Fuse holder B

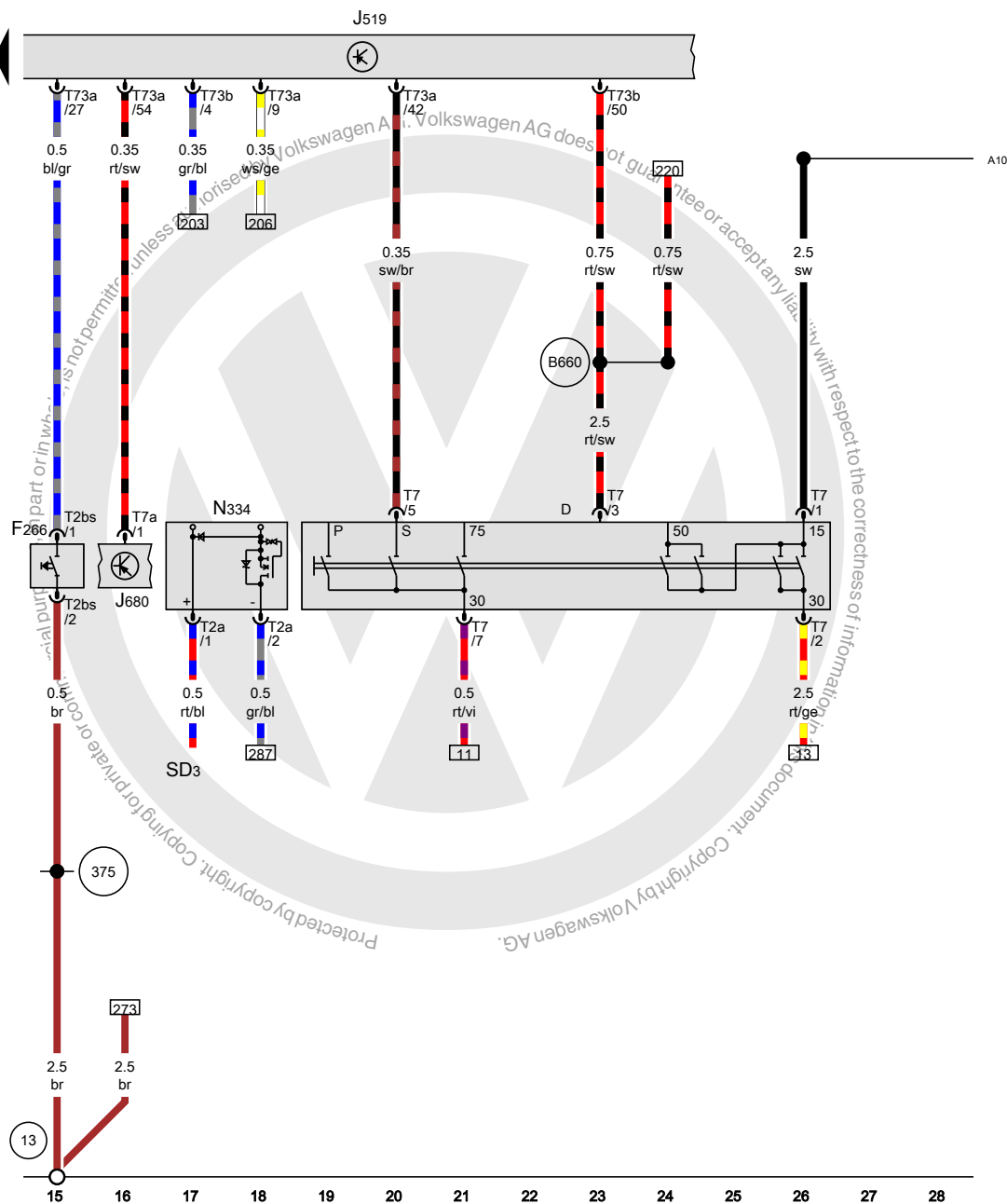


- A Battery
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA Fuse holder A
- SA1 Fuse 1 on fuse holder A
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SA3 Fuse 3 on fuse holder A
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SA6 Fuse 6 on fuse holder A
- SA7 Fuse 7 on fuse holder A
- T2br 2-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A52 Positive connection 2 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B326 Positive connection 12 (30a) in main wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness

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

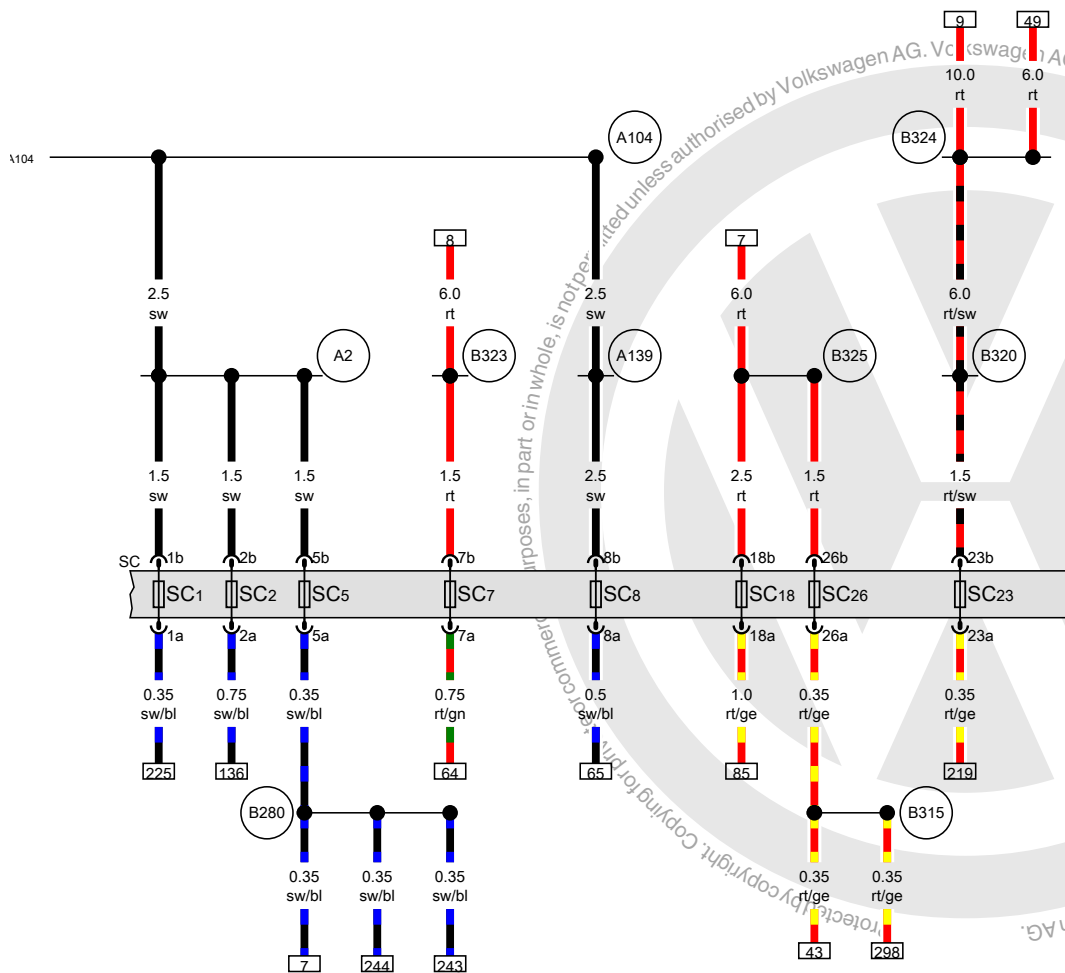




Ignition/starter switch, Bonnet contact switch, Onboard supply control unit, Ignition key withdrawal lock solenoid valve

- D Ignition/starter switch
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- N334 Ignition key withdrawal lock solenoid valve
- SD3 Fuse 3 on fuse holder D
- T2a 2-pin connector
- T2bs 2-pin connector
- T7 7-pin connector
- T7a 7-pin connector, black
- T73a 73-pin connector
- T73b 73-pin connector
- 13 Earth point, on right in engine compartment
- 375 Earth connection 10, in main wiring harness
- A104 Positive connection 2 (15), in dash panel wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness

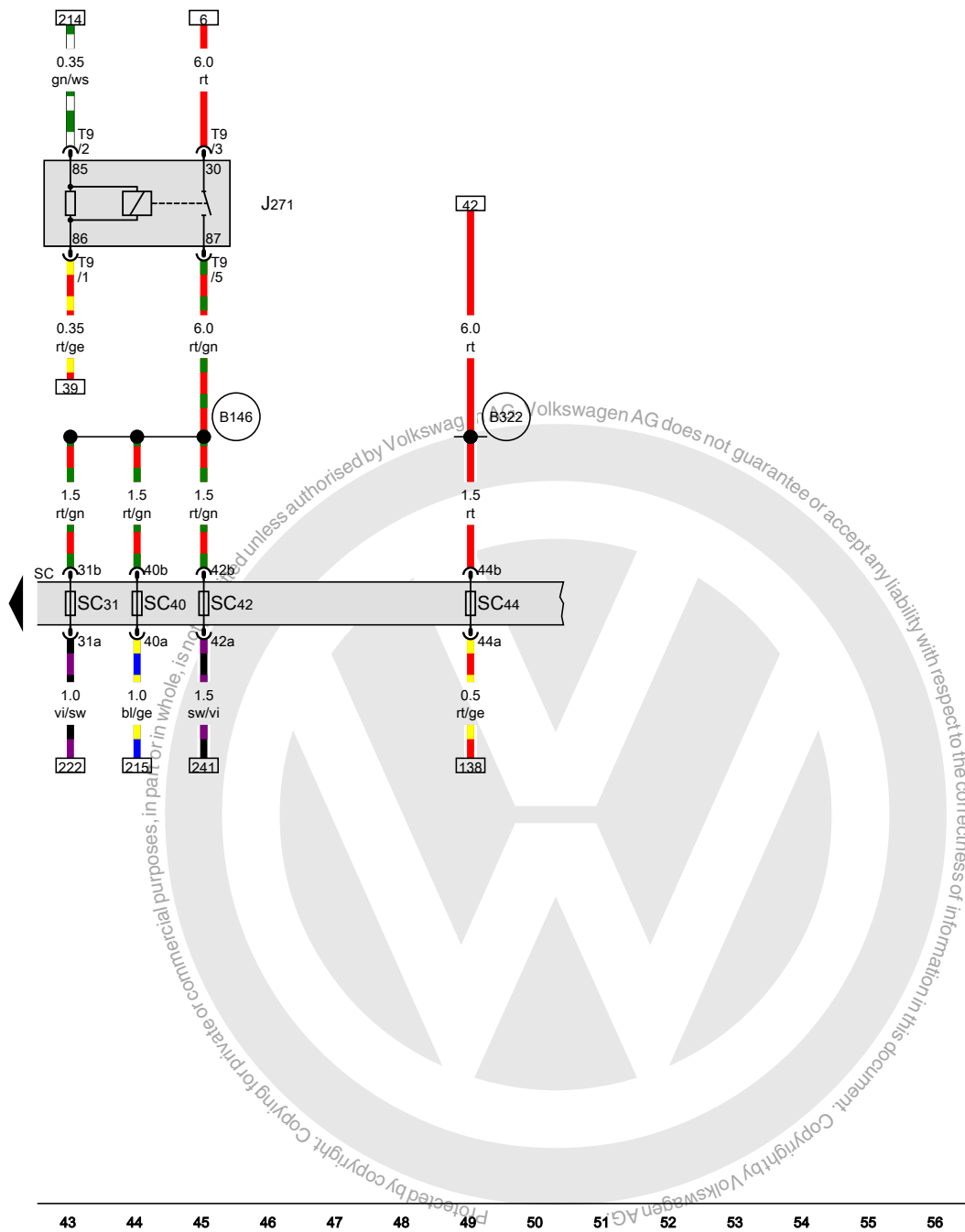
ws = white  
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 rs = pink



### Fuse holder C

- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- A2 Positive connection (15), in dash panel wiring harness
- A104 Positive connection 2 (15), in dash panel wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B280 Positive connection 4 (15a) in main wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B323 Positive connection 9 (30a) in main wiring harness
- B324 Positive connection 10 (30a) in main wiring harness
- B325 Positive connection 11 (30a) in main wiring harness

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### Main relay, Fuse holder C

- J271 Main relay
- SC Fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T9 9-pin connector

B146 Positive connection 1 (87), in interior wiring harness

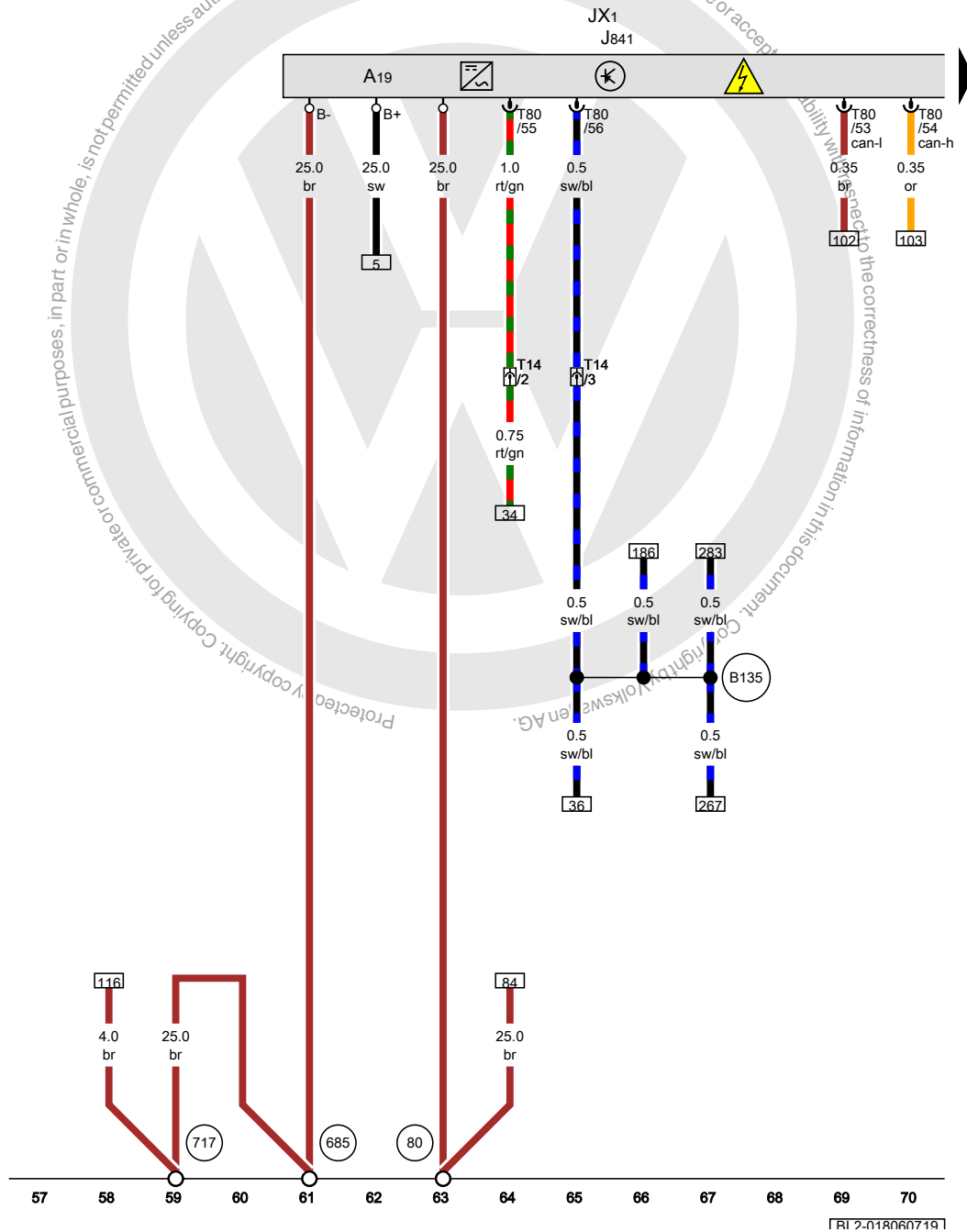
B322 Positive connection 8 (30a) in main wiring harness

ws = white  
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 or = orange  
 rs = pink

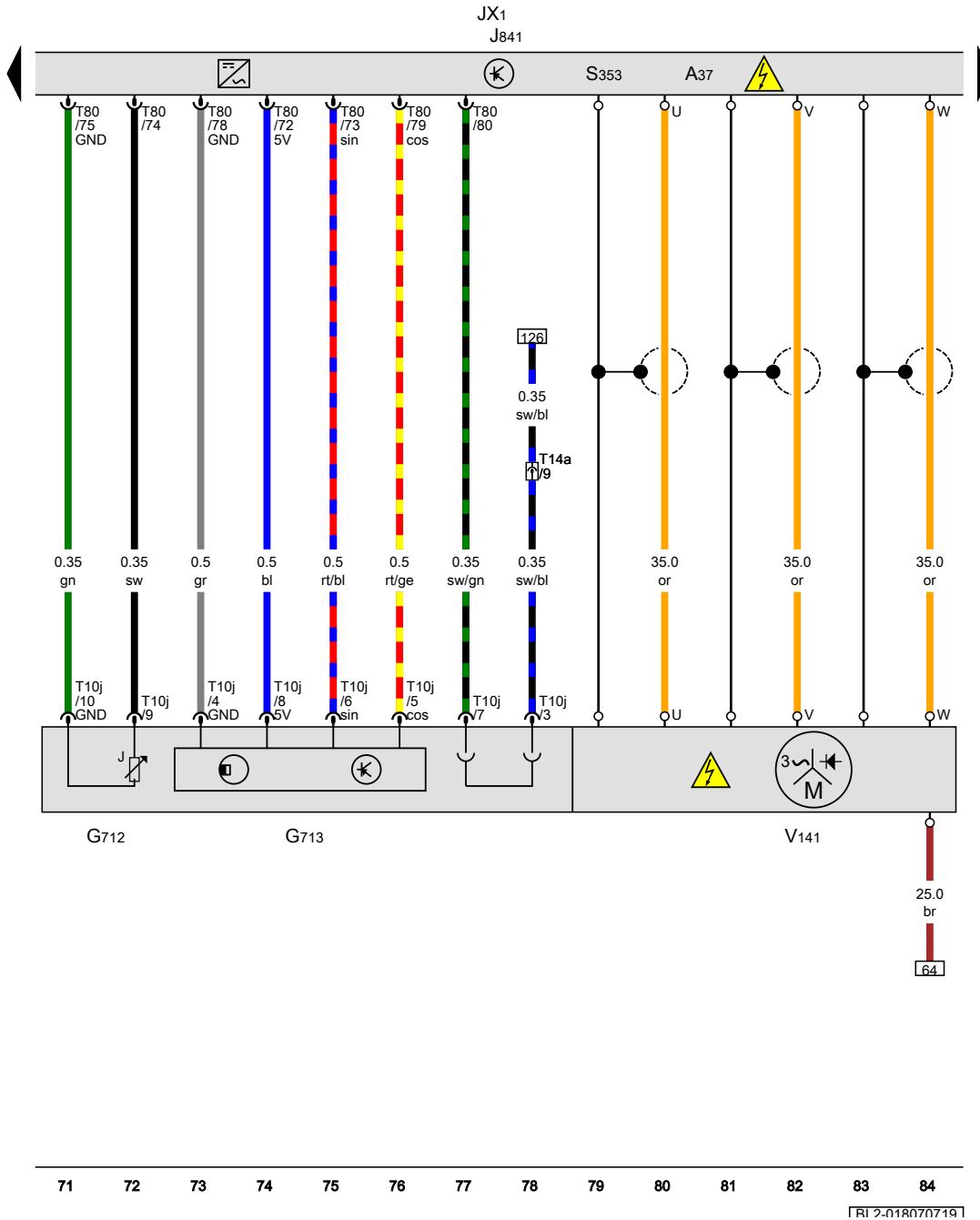
Power and control electronics for electric drive, Electric drive control unit

- A19 Voltage converter
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- T14 14-pin connector
- T80 80-pin connector

- 80 Earth point, on centre of front cross member
- 685 Earth point 1, on front of right longitudinal member
- 717 Earth point on front right of cross member
- B135 Connection 1 (15a), in interior wiring harness



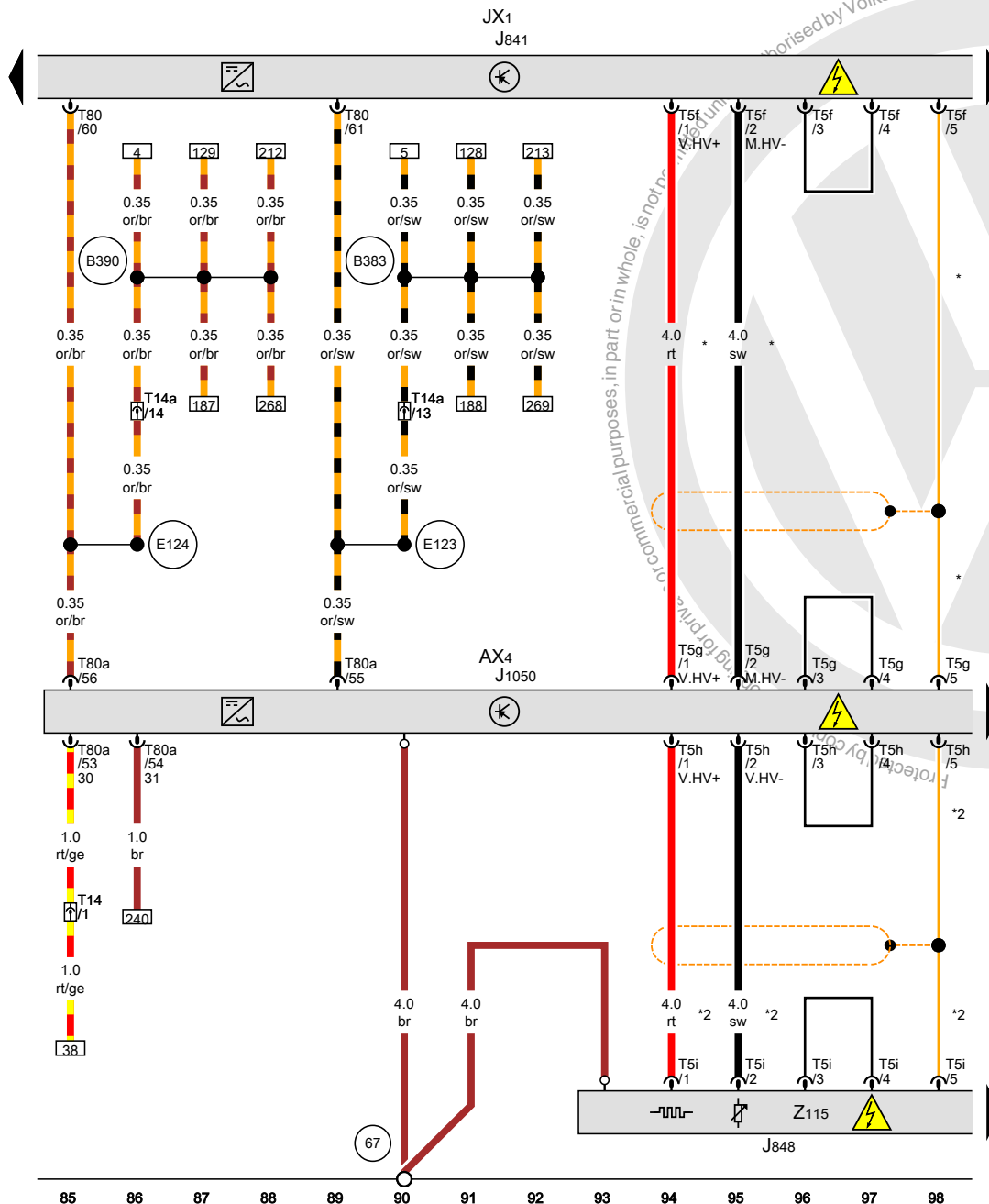
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Power and control electronics for electric drive, Electric drive control unit, Electric drive motor

- A37 DC/AC converter for drive motor
- G712 Drive motor temperature sender
- G713 Drive motor rotor position sender 1
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- S353 High-voltage system fuse 3
- T10j 10-pin connector
- T14a 14-pin connector
- T80 80-pin connector
- V141 Electric drive motor

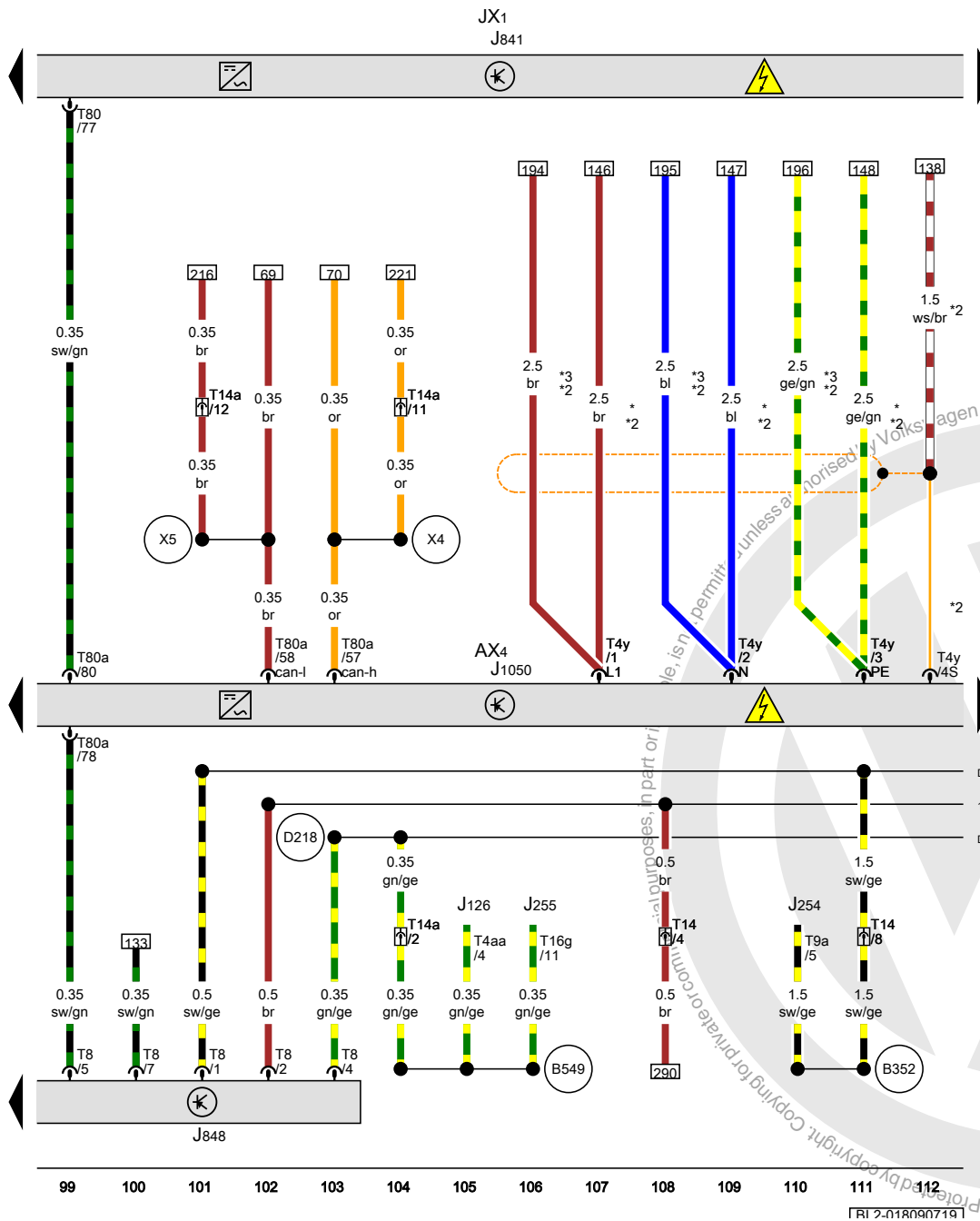
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or = orange  
rs = pink



Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, High-voltage heater (PTC) control unit, Control unit for high-voltage battery charging unit

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- J848 High-voltage heater (PTC) control unit
- J1050 Control unit for high-voltage battery charging unit
- T5f 5-pin connector
- T5g 5-pin connector
- T5h 5-pin connector
- T5i 5-pin connector
- T14 14-pin connector
- T14a 14-pin connector
- T80 80-pin connector
- T80a 80-pin connector
- Z115 High-voltage heater (PTC)
- 67 Earth point, on left of front cross member
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- E123 Connection 1 (powertrain CAN bus, high), in engine wiring harness
- E124 Connection 1 (powertrain CAN bus, low), in engine wiring harness
- \* High-voltage wire for charging unit 1/wiring junction (P12)
- \*2 High-voltage wire for high-voltage heater (PTC) (P11)

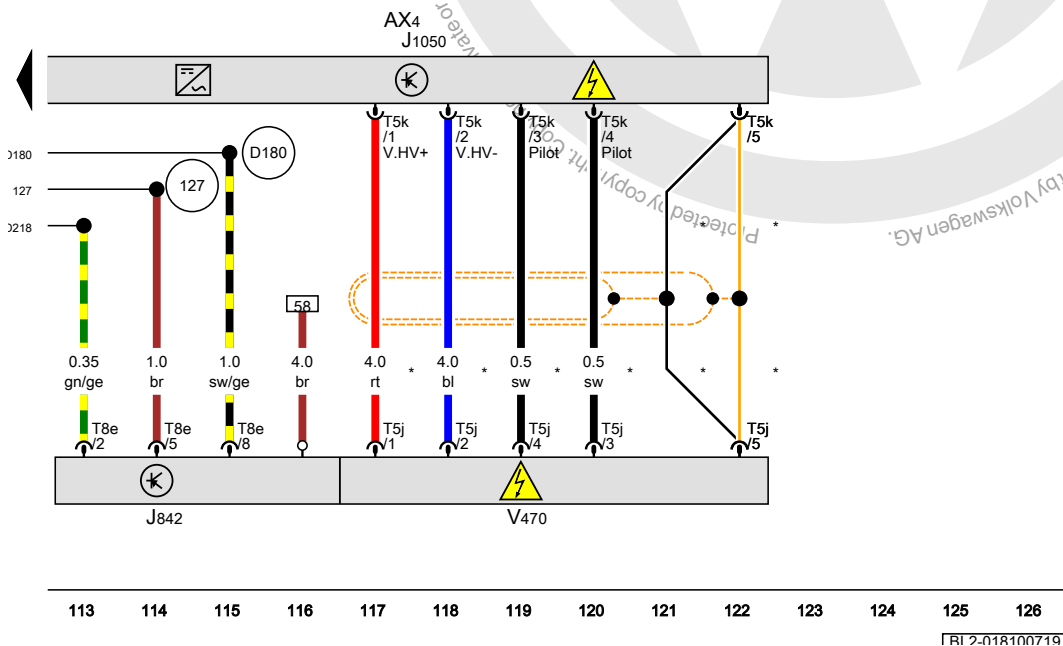
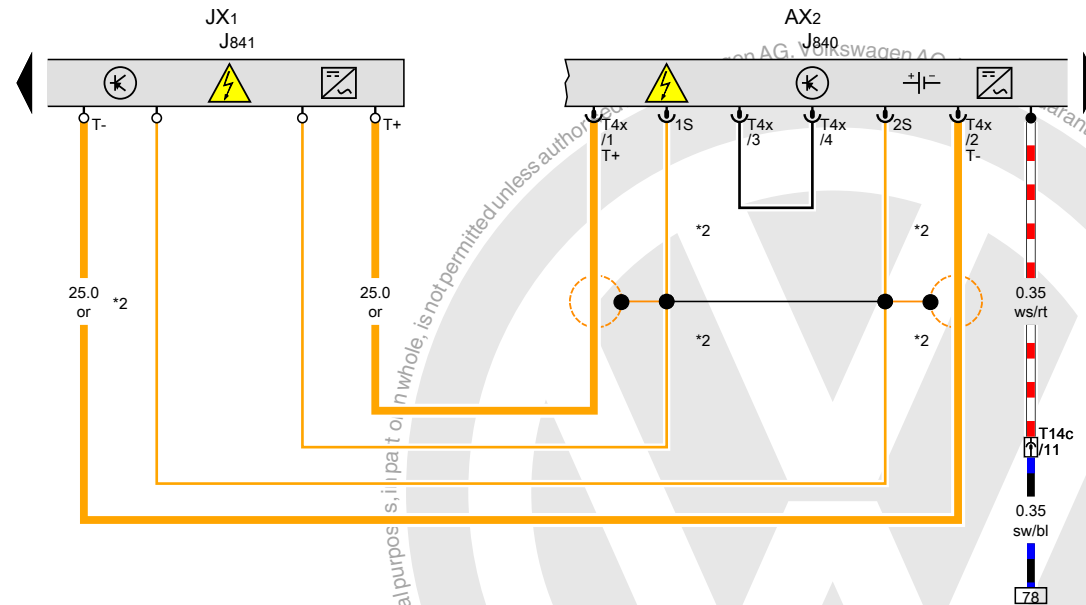
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Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, High-voltage heater (PTC) control unit, Control unit for high-voltage battery charging unit

- |       |  |
|-------|--|
| AX4   | Charging unit 1 for high-voltage battery   |
| JX1   | Power and control electronics for electric drive   |
| J126  | Fresh air blower control unit  |
| J254  | Climatronic relay  |
| J255  | Climatronic control unit   |
| J841  | Electric drive control unit  |
| J848  | High-voltage heater (PTC) control unit   |
| J1050 | Control unit for high-voltage battery charging unit  |
| T4aa  | 4-pin connector  |
| T4y   | 4-pin connector  |
| T8    | 8-pin connector  |
| T9a   | 9-pin connector  |
| T14   | 14-pin connector   |
| T14a  | 14-pin connector   |
| T16g  | 16-pin connector   |
| T80   | 80-pin connector   |
| T80a  | 80-pin connector   |
| 127   | Earth connection 1, in air conditioning system compressor wiring harness                               |
| B352  | Positive connection 3 (87a) in main wiring harness   |
| B549  | Connection 2 (LIN bus) in main wiring harness  |
| D180  | Connection (87a), in engine compartment wiring harness   |
| D218  | Connection 1 (LIN bus) in engine compartment 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                               |
| *     | For models with AC/DC charging socket  |
| *2    | High-voltage wire 1 for high-voltage charge current distributor/<br>high-voltage charging socket (P18) |
| *3    | For models with AC charging socket   |

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



High-voltage battery 1, Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Battery regulation control unit, Electric drive control unit, Control unit for air conditioning compressor, Control unit for high-voltage battery charging unit, Electrical air conditioner compressor

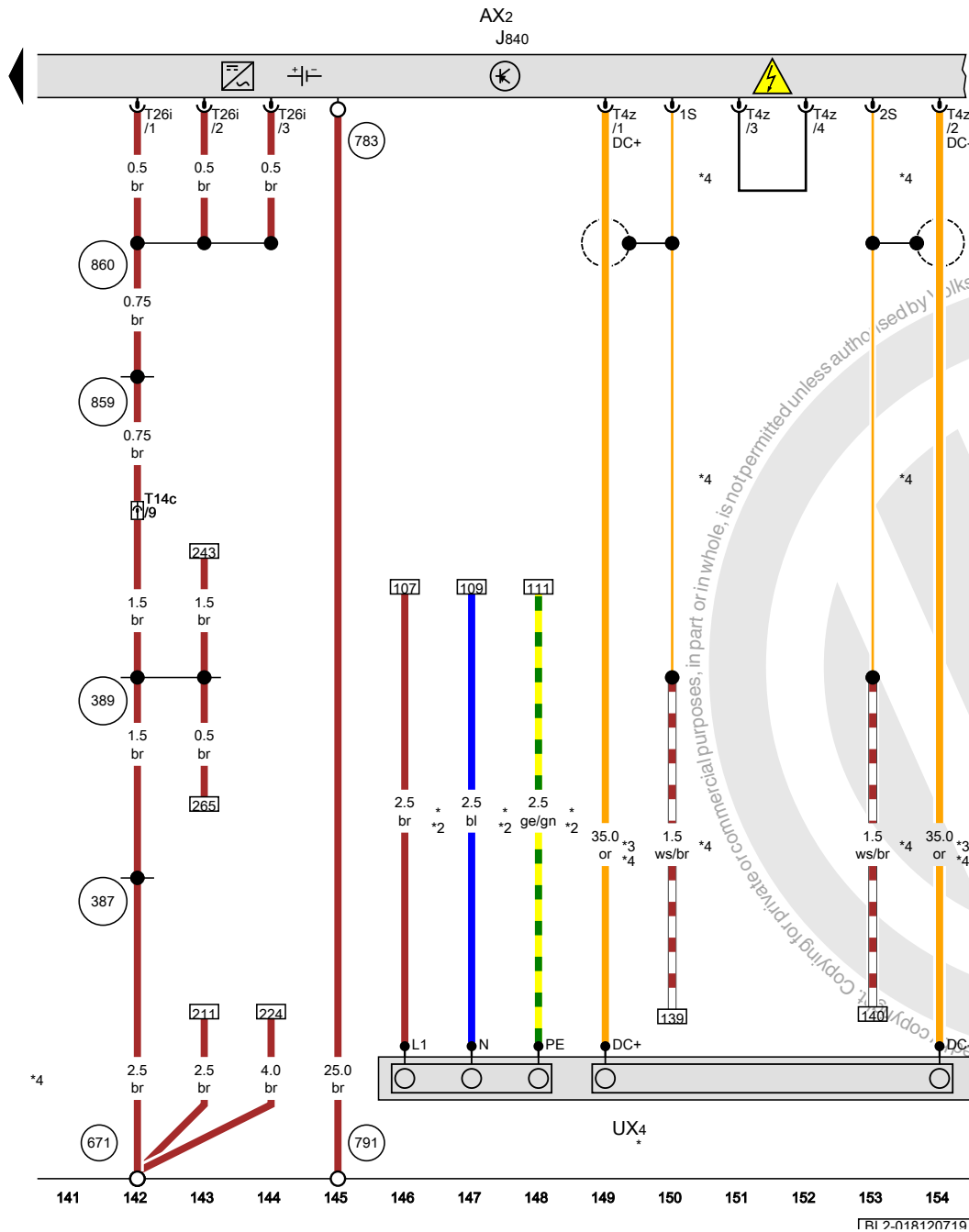
- AX2 High-voltage battery 1
- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J840 Battery regulation control unit
- J841 Electric drive control unit
- J842 Control unit for air conditioning compressor
- J1050 Control unit for high-voltage battery charging unit
- T4x 4-pin connector
- T5j 5-pin connector
- T5k 5-pin connector
- T8e 8-pin connector
- T14c 14-pin connector
- V470 Electrical air conditioner compressor

- 127 Earth connection 1, in air conditioning system compressor wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- \* High-voltage wire for electrical air conditioner compressor (P3)
- \*2 High-voltage wiring harness for high-voltage battery (PX1)

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





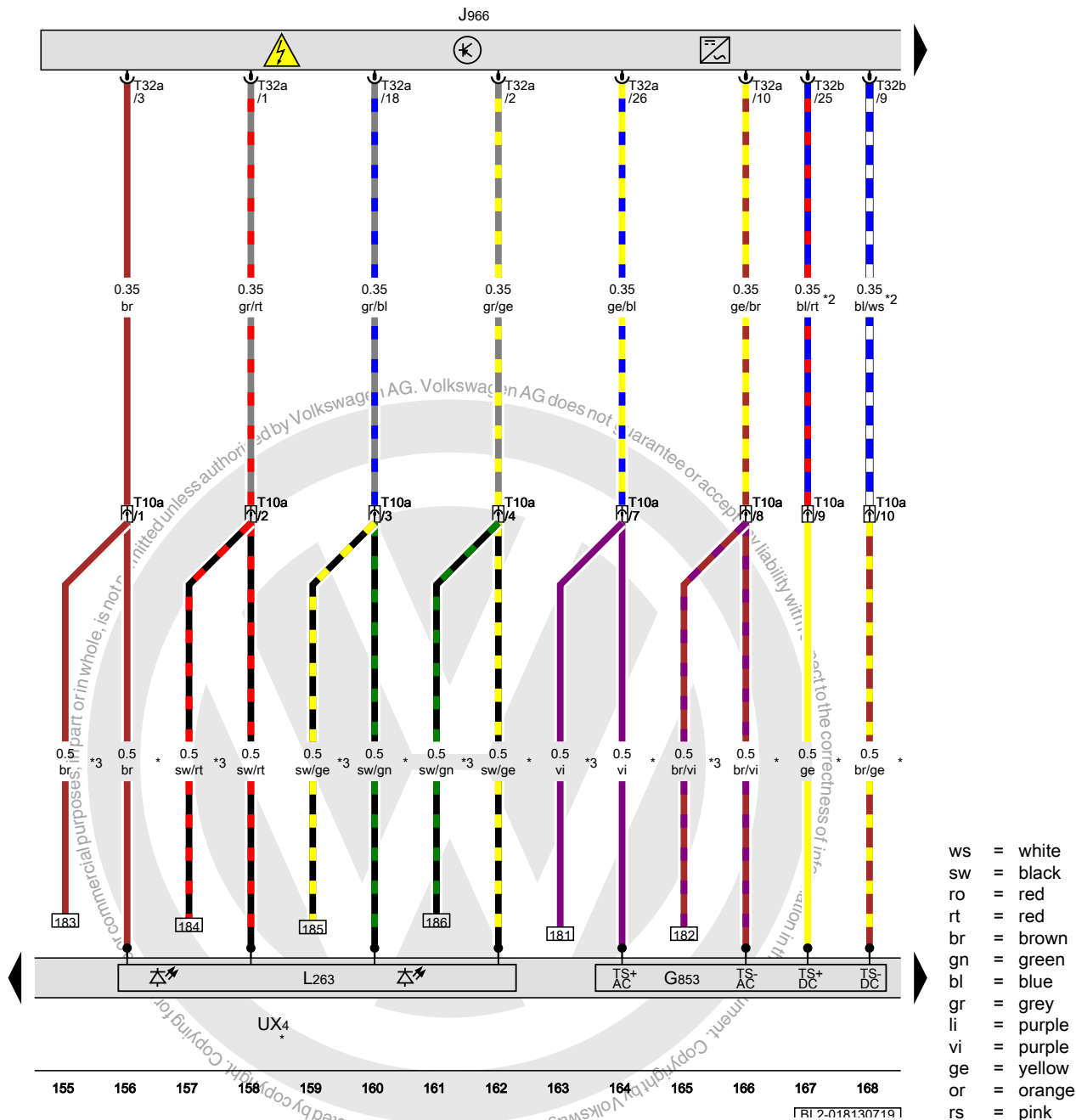


# High-voltage battery 1, Battery regulation control unit, High-voltage battery charging socket 1

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- T4z 4-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- UX4 High-voltage battery charging socket 1
- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 783 Earth point 2, on high-voltage battery
- 791 Earth point, on rear right of underbody
- 859 Earth connection 1, in high-voltage battery wiring harness
- 860 Earth connection 2, in high-voltage battery wiring harness
- \* For models with AC/DC charging socket
- \*2 High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)
- \*3 For models with combined AC and DC charging system
- \*4 High-voltage wire for high-voltage battery charging (P52)

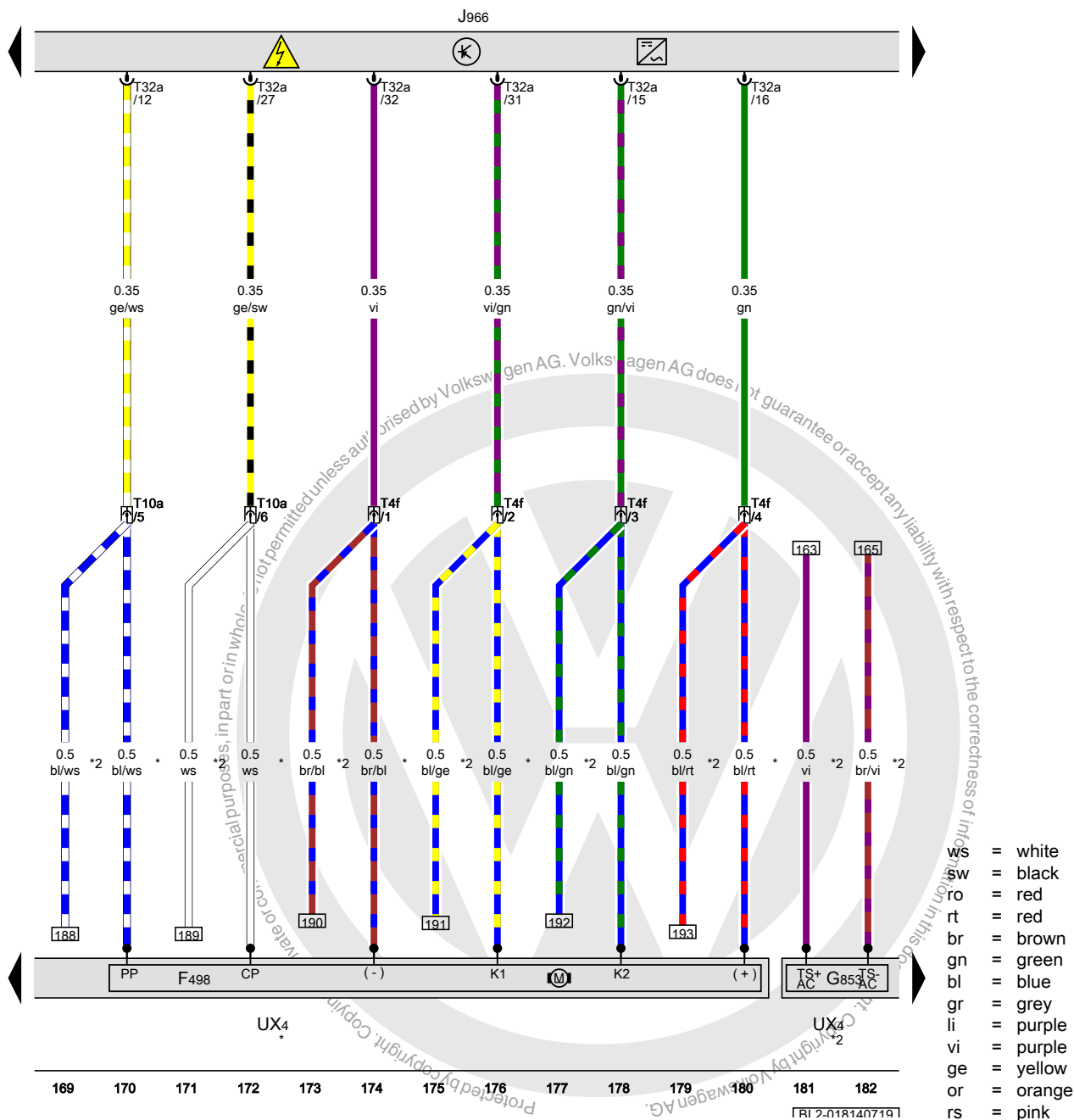
Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- L263 LED module for charging socket 1
- T10a 10-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- UX4 High-voltage battery charging socket 1
- \* For models with AC/DC charging socket
- \*2 For models with combined AC and DC charging system
- \*3 For models with AC charging socket



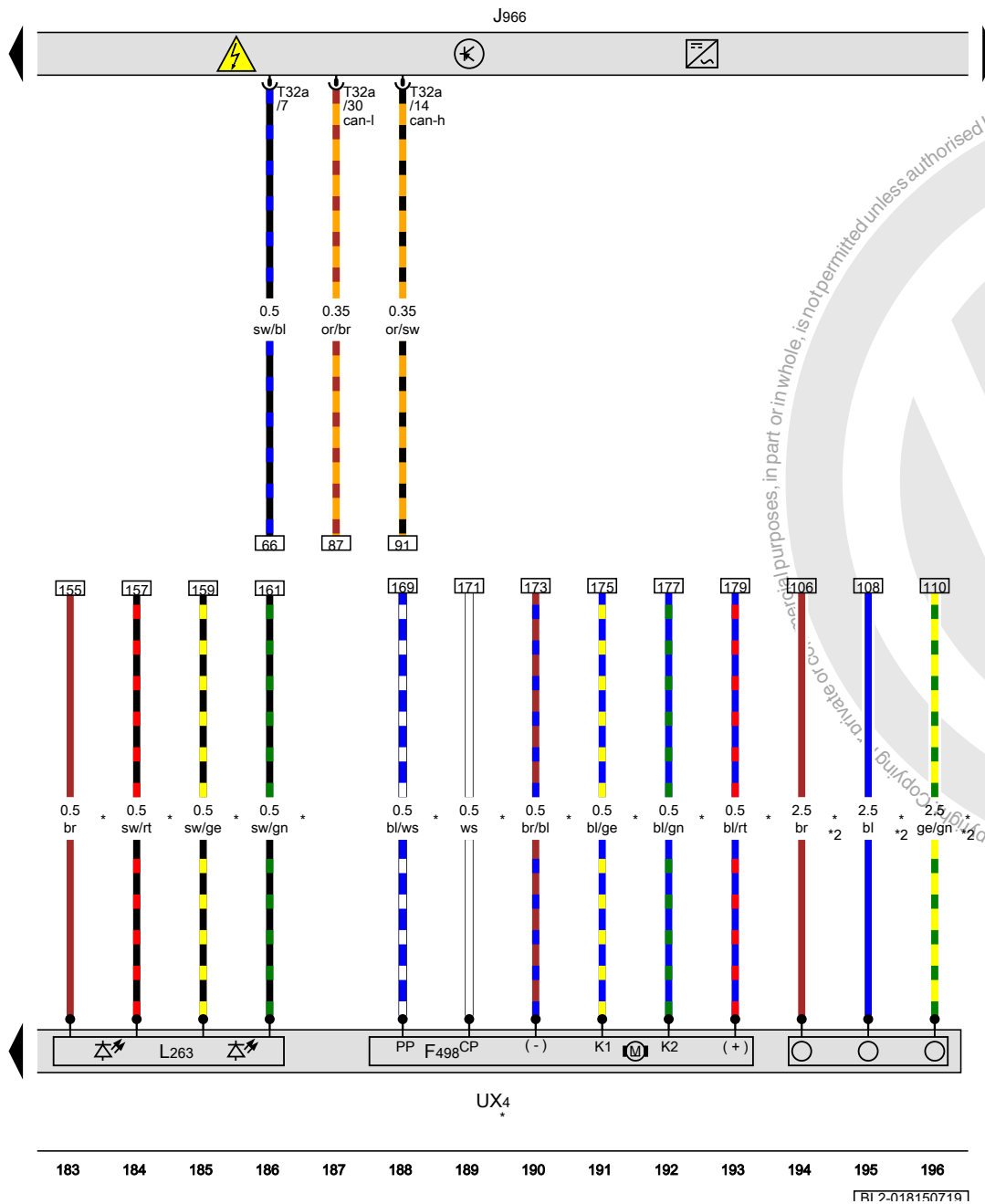
Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- F498 Actuator for high-voltage charging socket lock 1
- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- T4f 4-pin connector
- T10a 10-pin connector
- T32a 32-pin connector
- UX4 High-voltage battery charging socket 1
- \* For models with AC/DC charging socket
- \*2 For models with AC charging socket

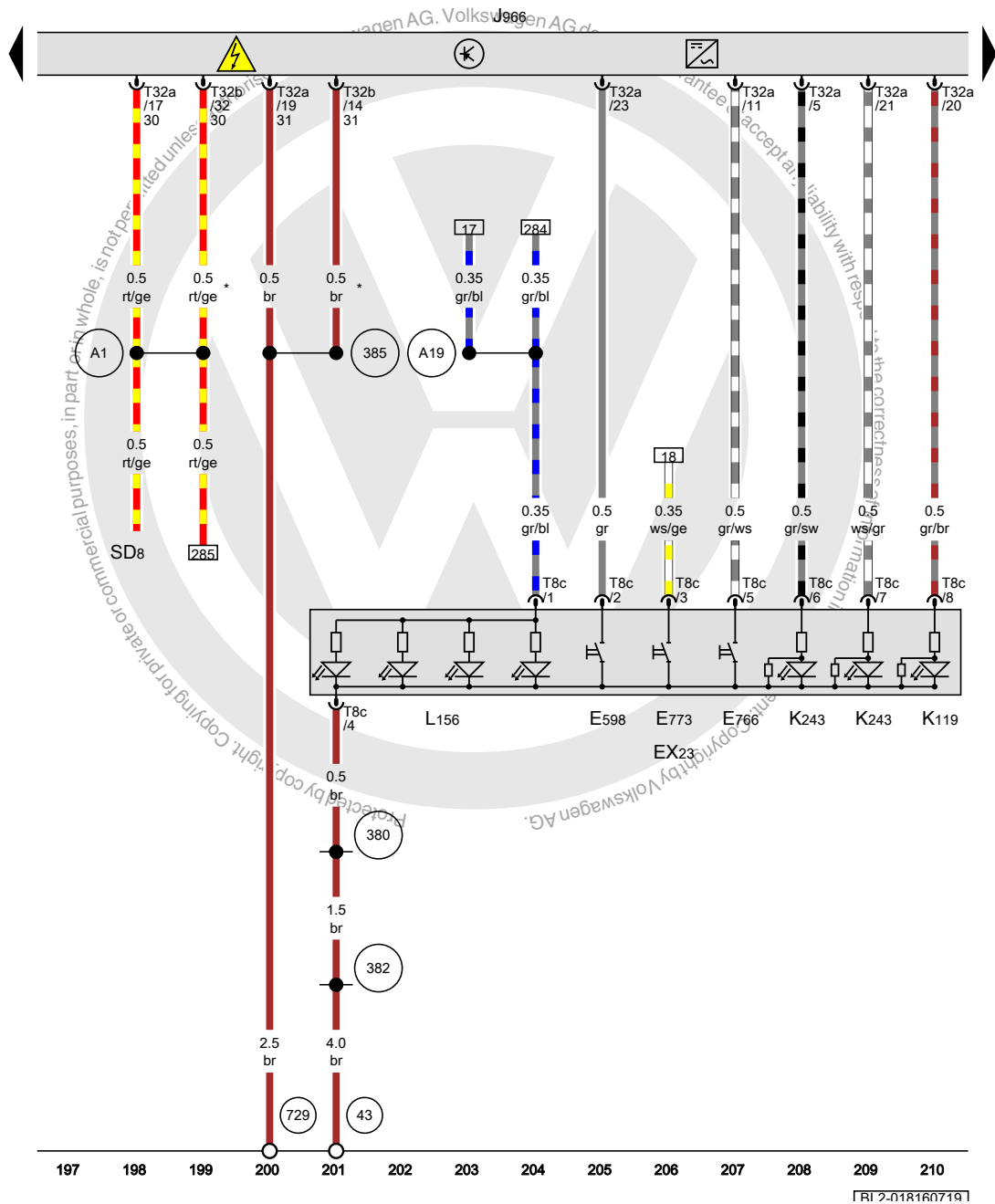


Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- F498 Actuator for high-voltage charging socket lock 1
- J966 Charge voltage control unit for high-voltage battery
- L263 LED module for charging socket 1
- T32a 32-pin connector
- UX4 High-voltage battery charging socket 1
- \* For models with AC charging socket
- \*2 High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)



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



Switch module 1 in centre console, Charge voltage control unit for high-voltage battery

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E766 Immediate charge button
- E773 Button for emergency braking function
- J966 Charge voltage control unit for high-voltage battery
- K119 Charge air monitor warning lamp
- K243 Driving program warning light
- L156 Switch illumination bulb
- SD8 Fuse 8 on fuse holder D
- T8c 8-pin connector
- T32a 32-pin connector
- T32b 32-pin connector

- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness

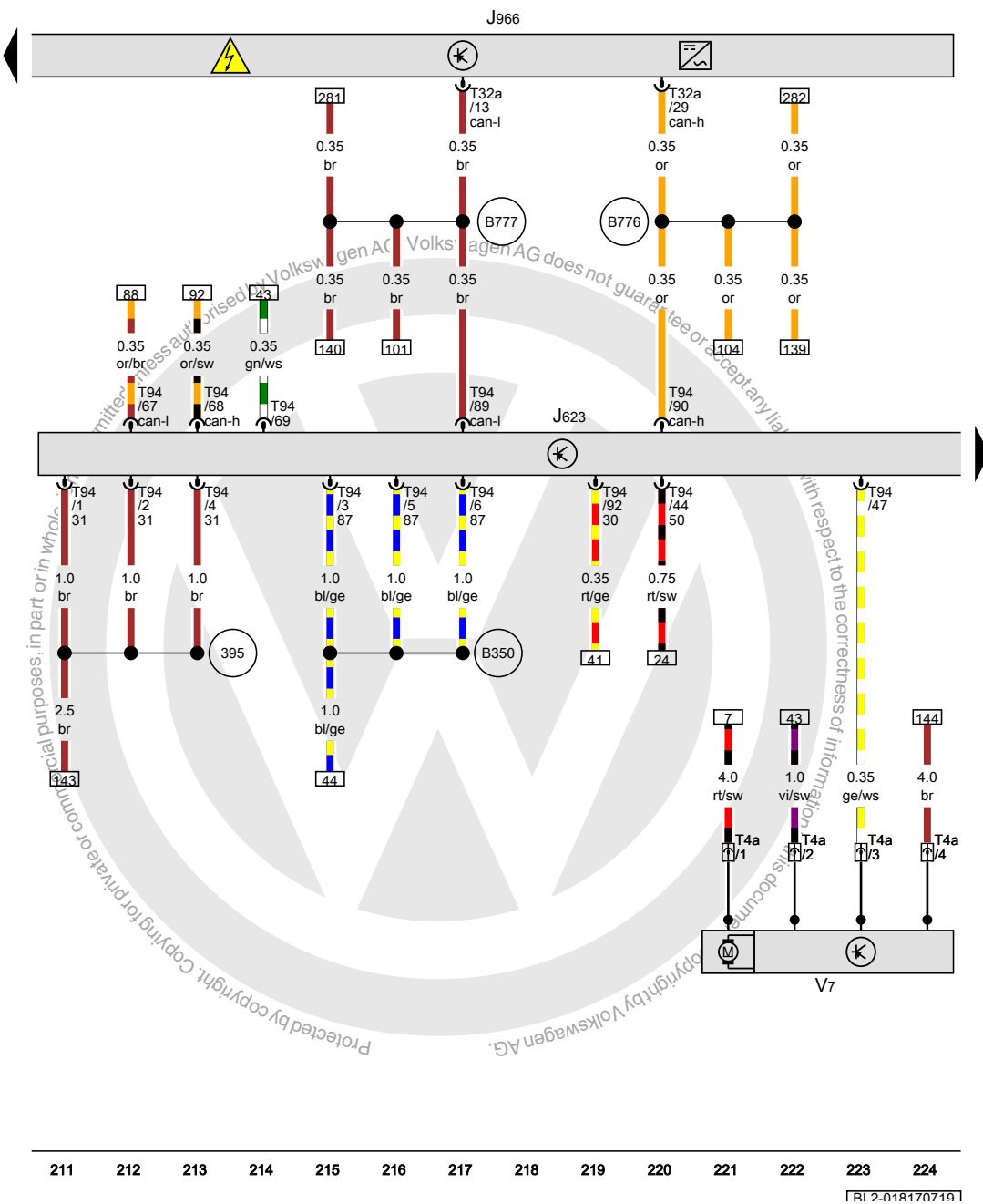
\* For models with combined AC and DC charging system

- ws = white
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Engine/motor control unit, Charge voltage control unit for high-voltage battery, Radiator fan

J623 Engine/motor control unit  
J966 Charge voltage control unit for high-voltage battery  
T4a 4-pin connector  
T32a 32-pin connector  
T94 94-pin connector  
V7 Radiator fan

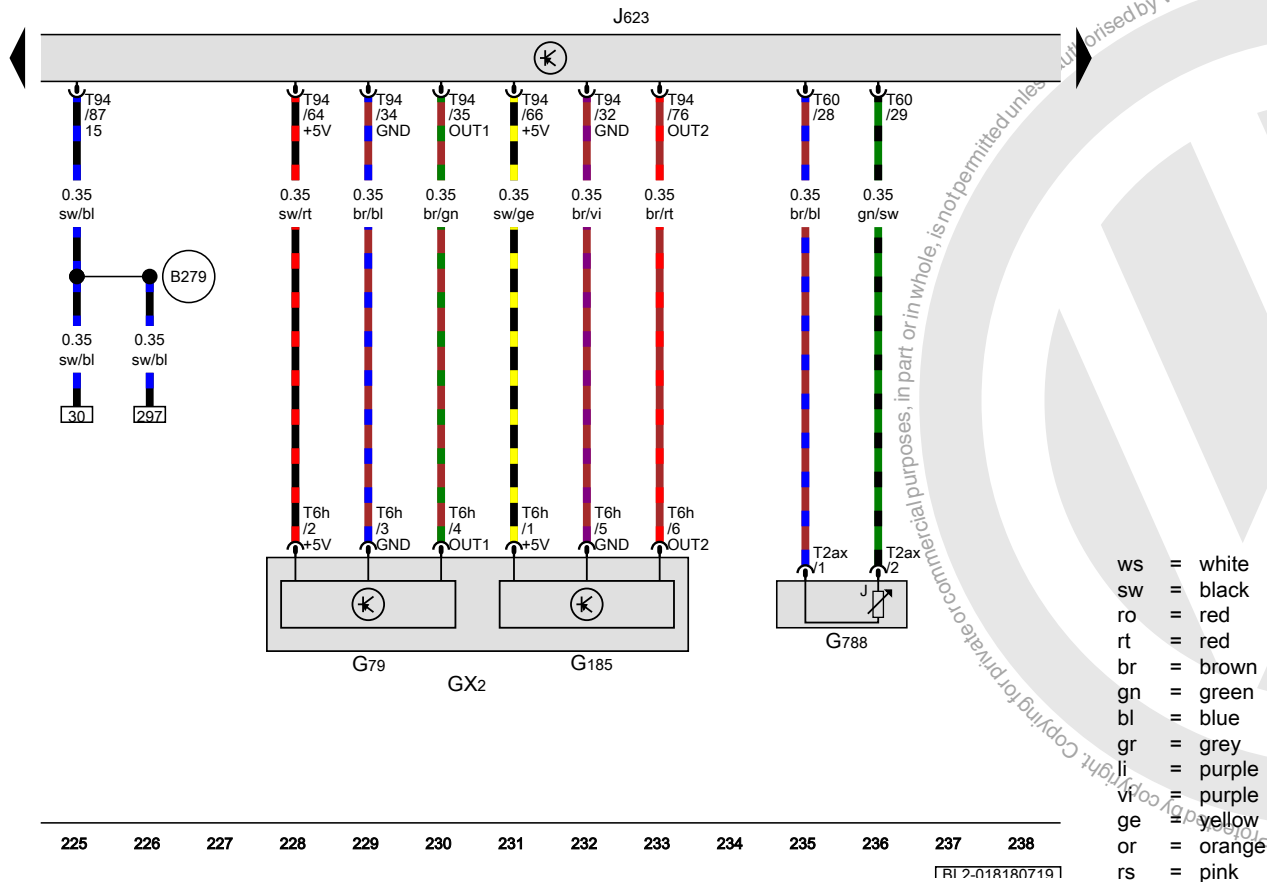
395 Earth connection 30, in main wiring harness  
B350 Positive connection 1 (87a) in main wiring harness  
B776 Connection 1 (hybrid CAN bus, high) in main wiring harness  
B777 Connection 1 (hybrid CAN bus, low) in main wiring harness



Accelerator pedal module, Temperature sender after electric drive motor, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G788 Temperature sender after electric drive motor
- J623 Engine/motor control unit
- T2ax 2-pin connector
- T6h 6-pin connector
- T60 60-pin connector
- T94 94-pin connector

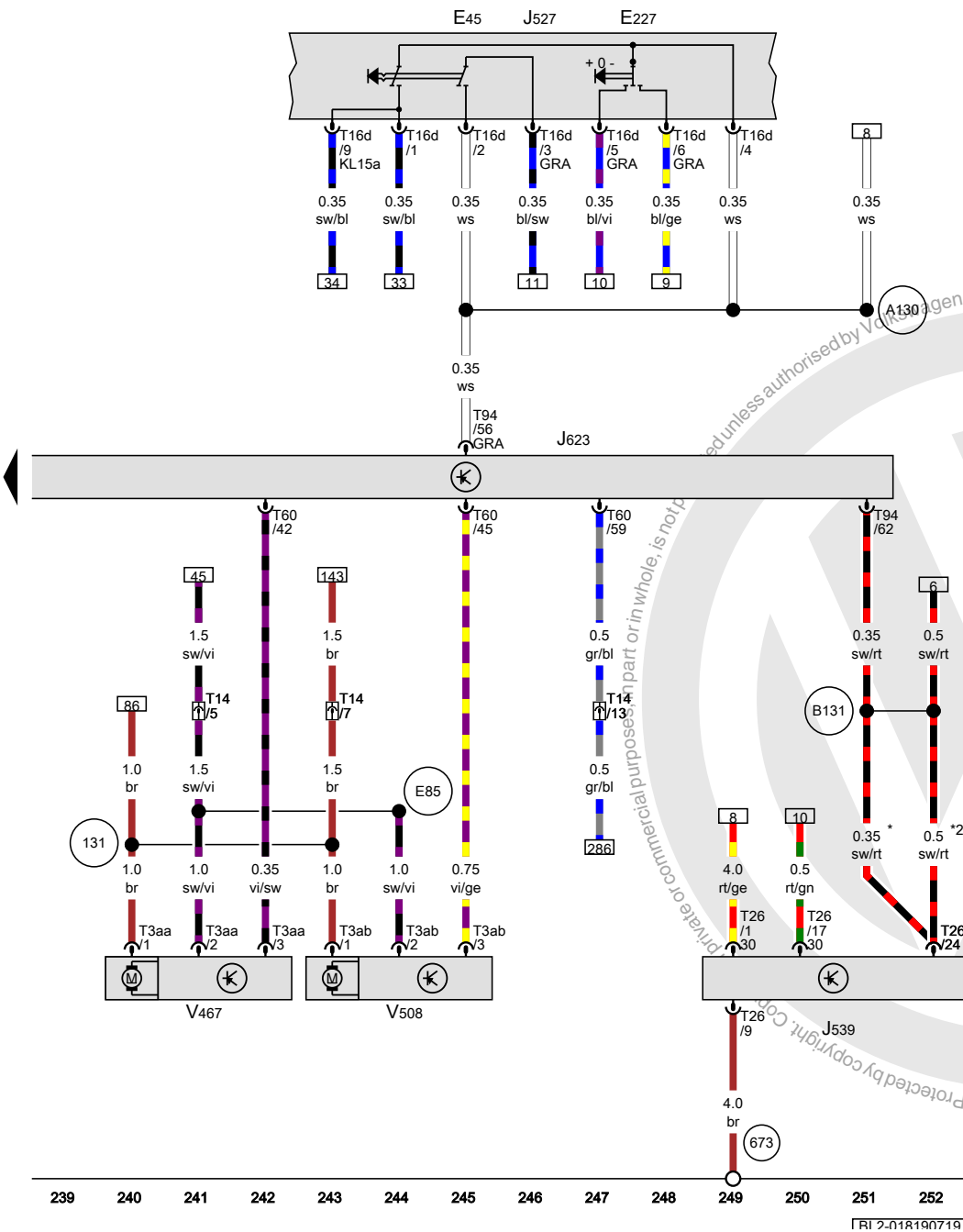
B279 Positive connection 3 (15a) in main wiring harness





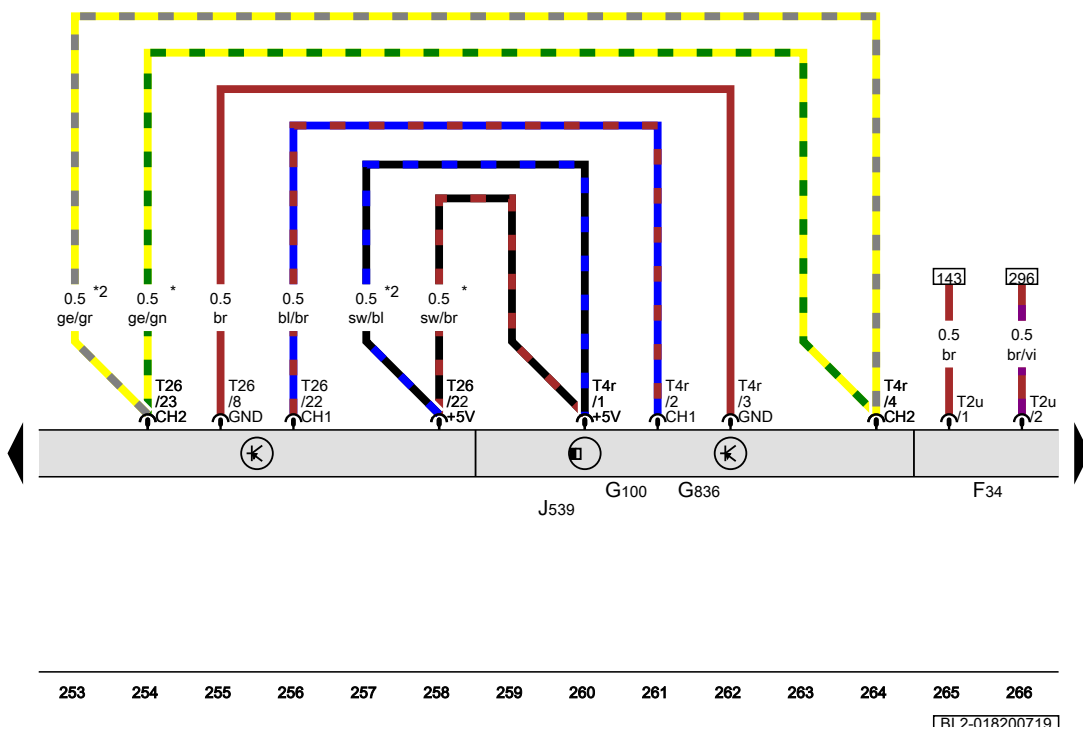
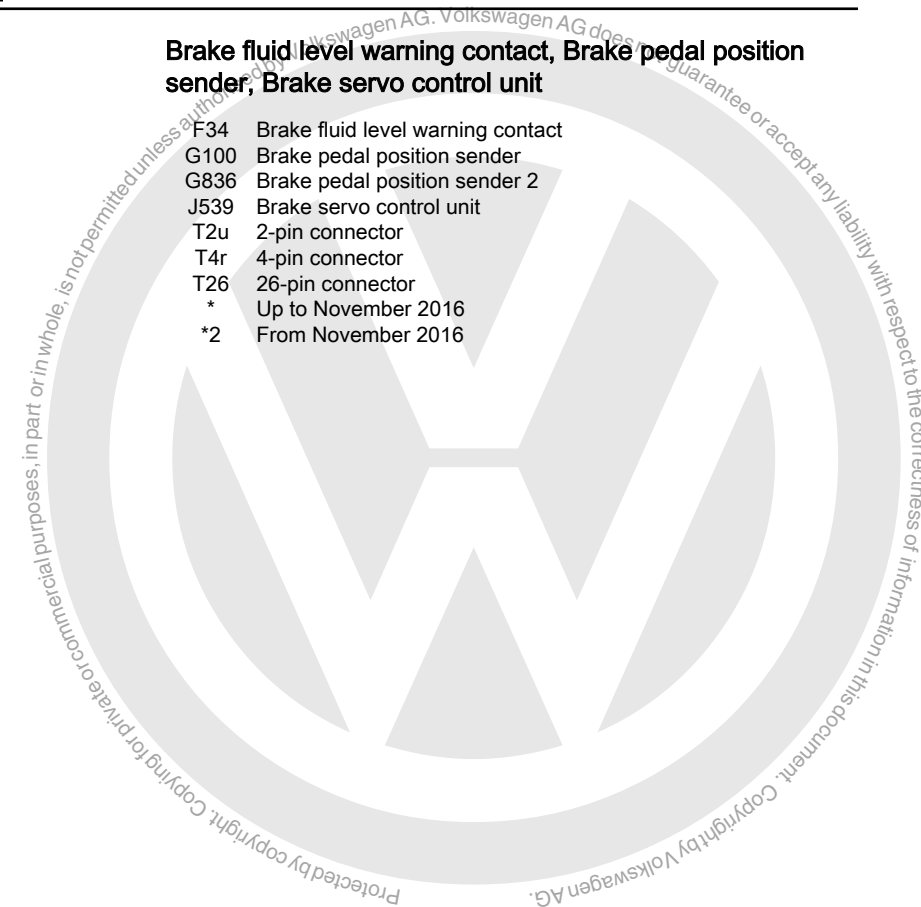
Cruise control system switch, Cruise control system (CCS) SET button, Steering column electronics control unit, Brake servo control unit, Engine/motor control unit, Coolant pump for high-temperature circuit, Coolant circulation pump before power and control electronics for electric drive

- E45 Cruise control system switch
- E227 Cruise control system (CCS) SET button
- J527 Steering column electronics control unit
- J539 Brake servo control unit
- J623 Engine/motor control unit
- T3aa 3-pin connector
- T3ab 3-pin connector
- T14 14-pin connector
- T16d 16-pin connector
- T26 26-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V467 Coolant pump for high-temperature circuit
- V508 Coolant circulation pump before power and control electronics for electric drive
- 131 Earth connection 2, in engine compartment wiring harness
- 673 Earth point 3, on front of left longitudinal member
- A130 Connection (CCS), in dash panel wiring harness
- B131 Connection (54) in interior wiring harness
- E85 Connection 9 (87a) in engine wiring harness
- \* Up to November 2016
- \*2 From November 2016



Brake fluid level warning contact, Brake pedal position sender, Brake servo control unit

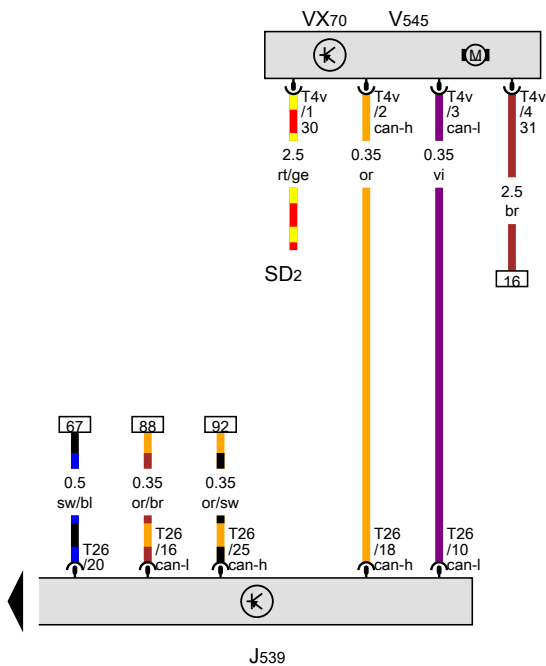
- F34 Brake fluid level warning contact
- G100 Brake pedal position sender
- G836 Brake pedal position sender 2
- J539 Brake servo control unit
- T2u 2-pin connector
- T4r 4-pin connector
- T26 26-pin connector
- \* Up to November 2016
- \*2 From November 2016



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- gr = grey
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- vi = purple
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Brake servo control unit, Brake system pressure accumulator

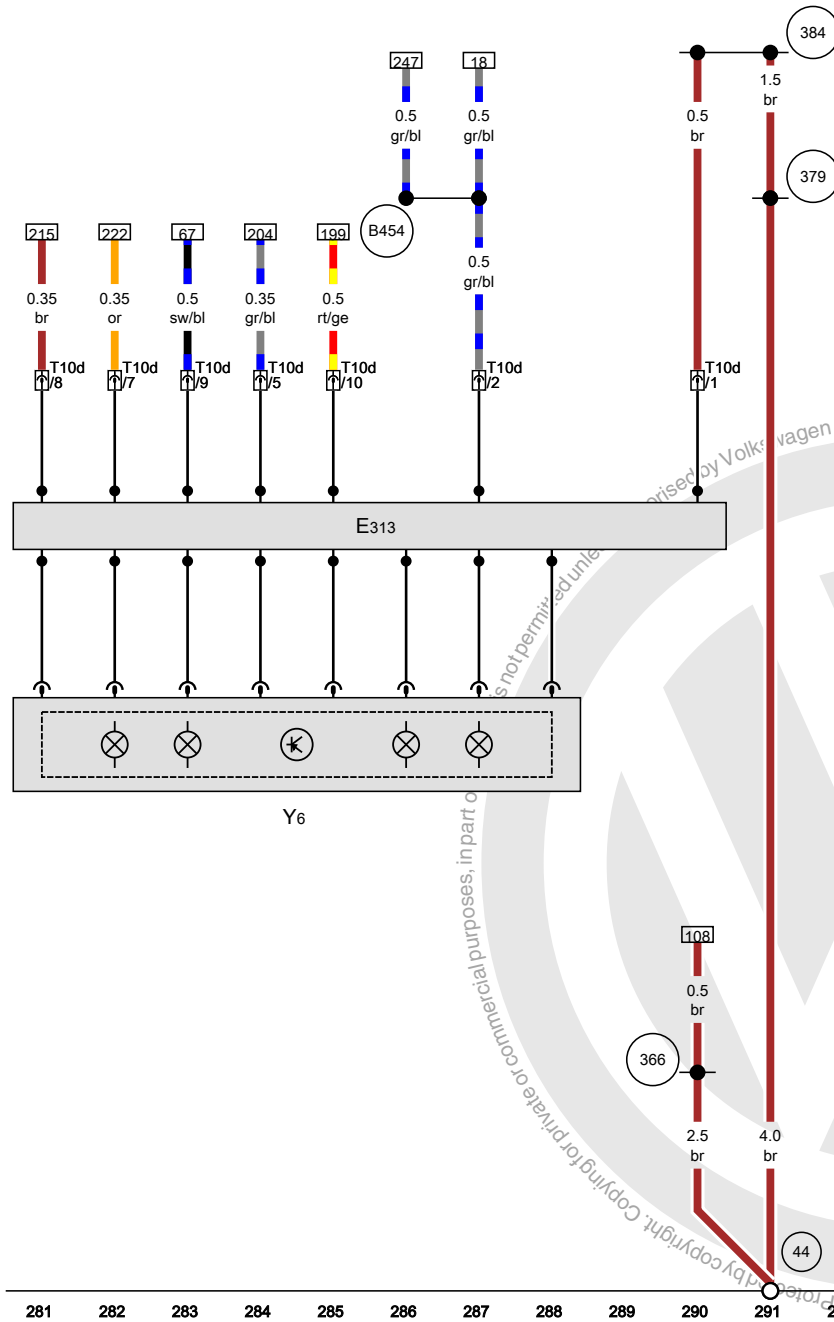
- J539 Brake servo control unit
- SD2 Fuse 2 on fuse holder D
- T4v 4-pin connector
- T26 26-pin connector
- VX70 Brake system pressure accumulator
- V545 Motor in brake pressure accumulator for energy recovery



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- vi = purple
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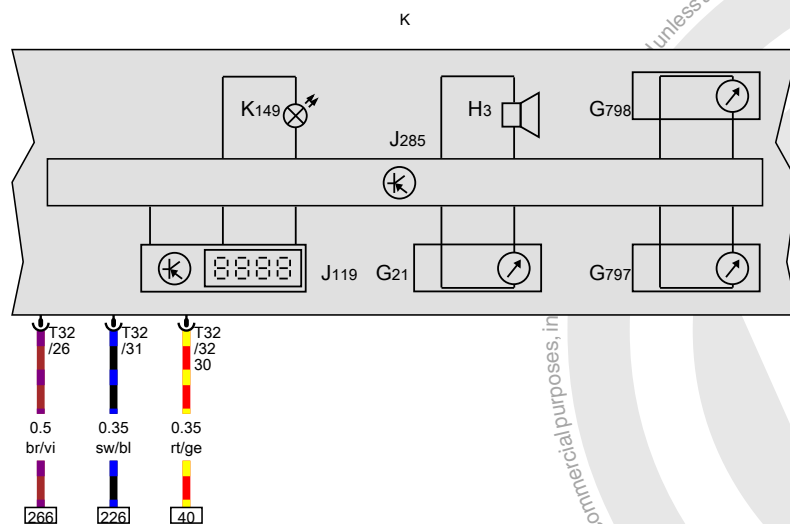
Selector lever, Selector lever position display

- E313 Selector lever
- T10d 10-pin connector
- Y6 Selector lever position display
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- B454 Connection (shift lock), in main wiring harness



Speedometer, Charge level display, Operating range display, Multifunction indicator, Control unit in dash panel insert, Dash panel insert

- G21 Speedometer
- G797 Charge level display
- G798 Operating range display
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K149 Engine electronics warning lamp
- T32 32-pin connector



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- gn = green
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- vi = purple
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- rs = pink

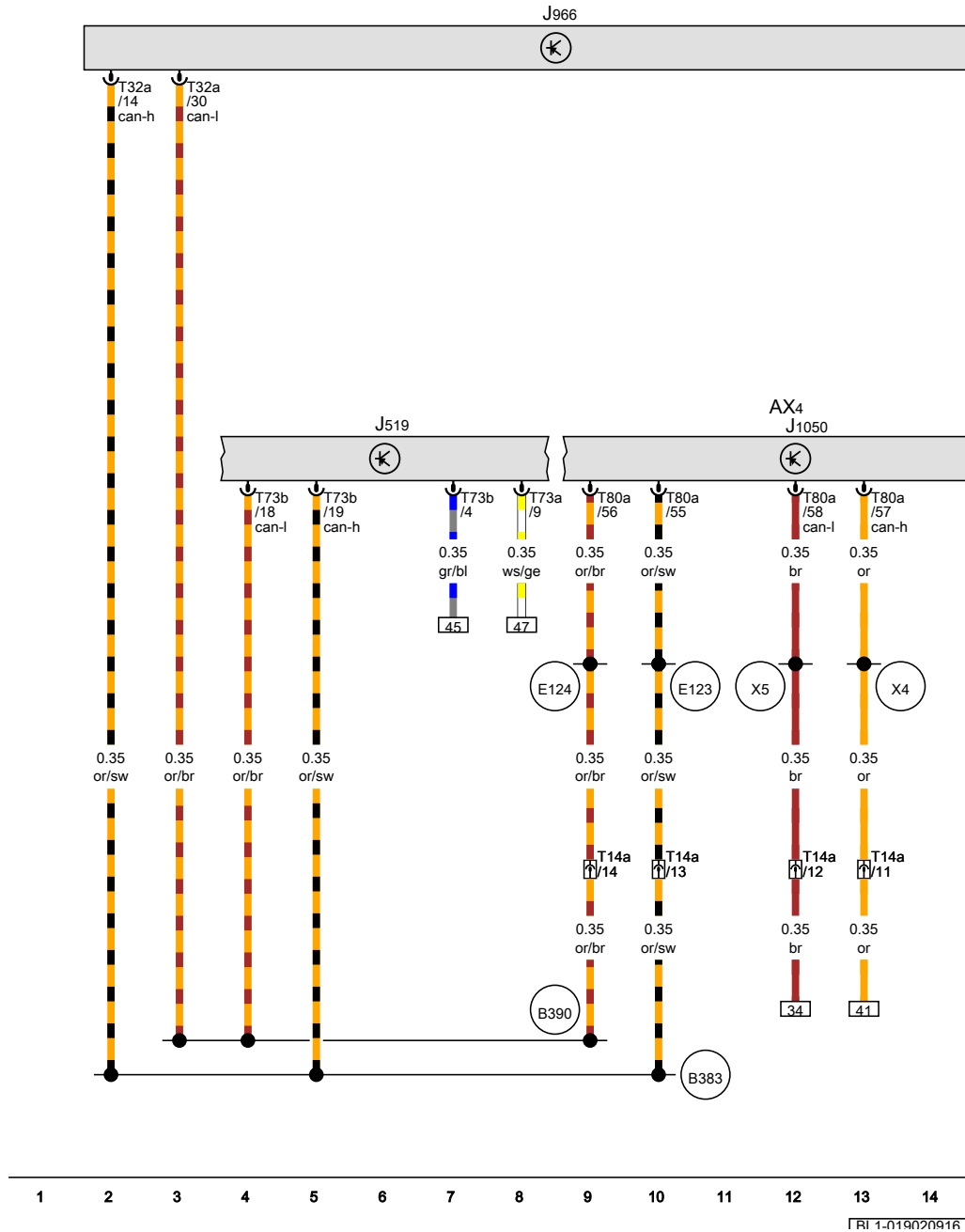
## Charging sockets for high-voltage system, Japan only

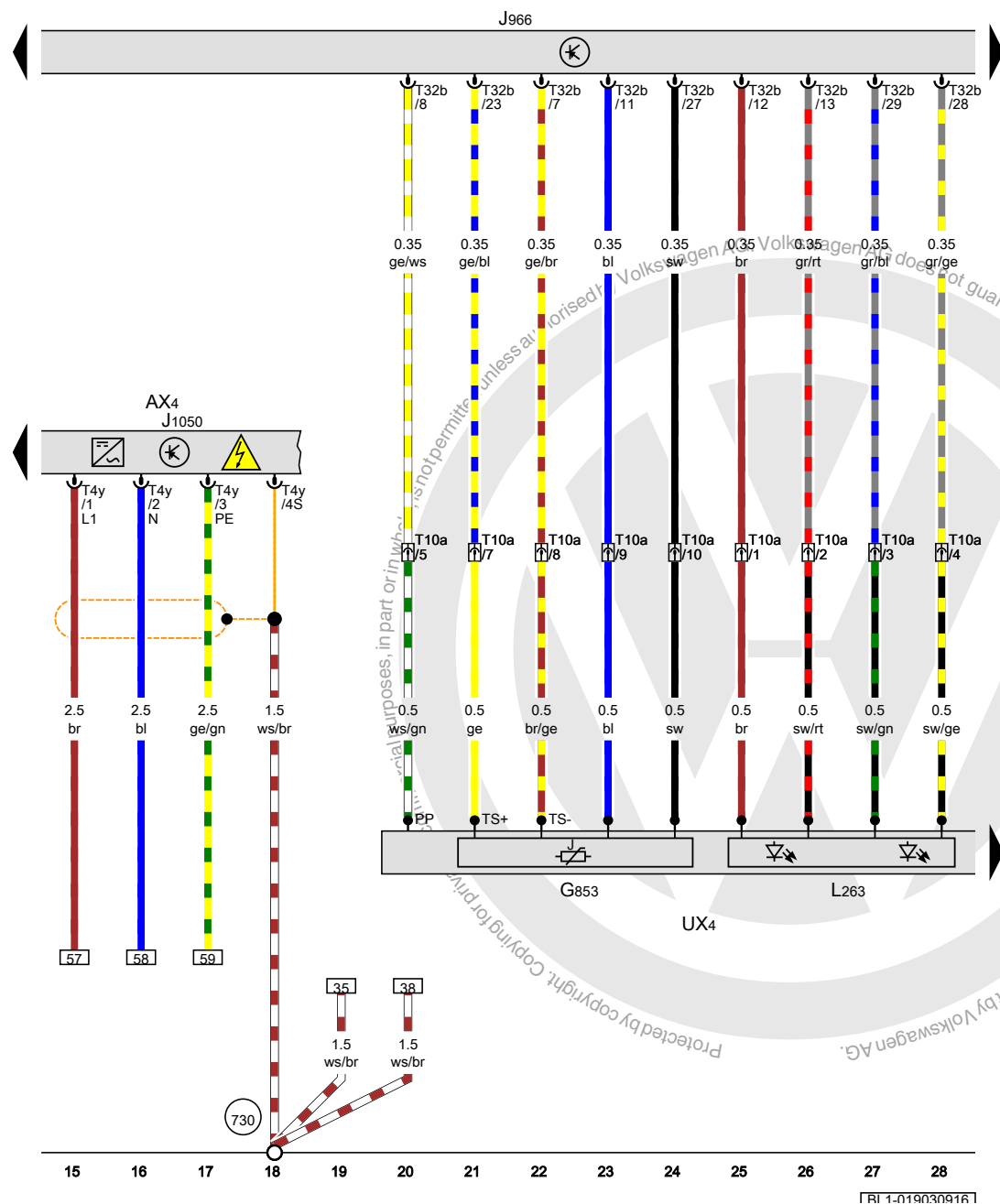
From May 2014



Charging unit 1 for high-voltage battery, Charge voltage control unit for high-voltage battery

- AX4 Charging unit 1 for high-voltage battery
- J519 Onboard supply control unit
- J966 Charge voltage control unit for high-voltage battery
- J1050 Control unit for high-voltage battery charging unit
- T14a 14-pin connector
- T32a 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T80a 80-pin connector
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- E123 Connection 1 (powertrain CAN bus, high), in engine wiring harness
- E124 Connection 1 (powertrain CAN bus, low), in engine 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





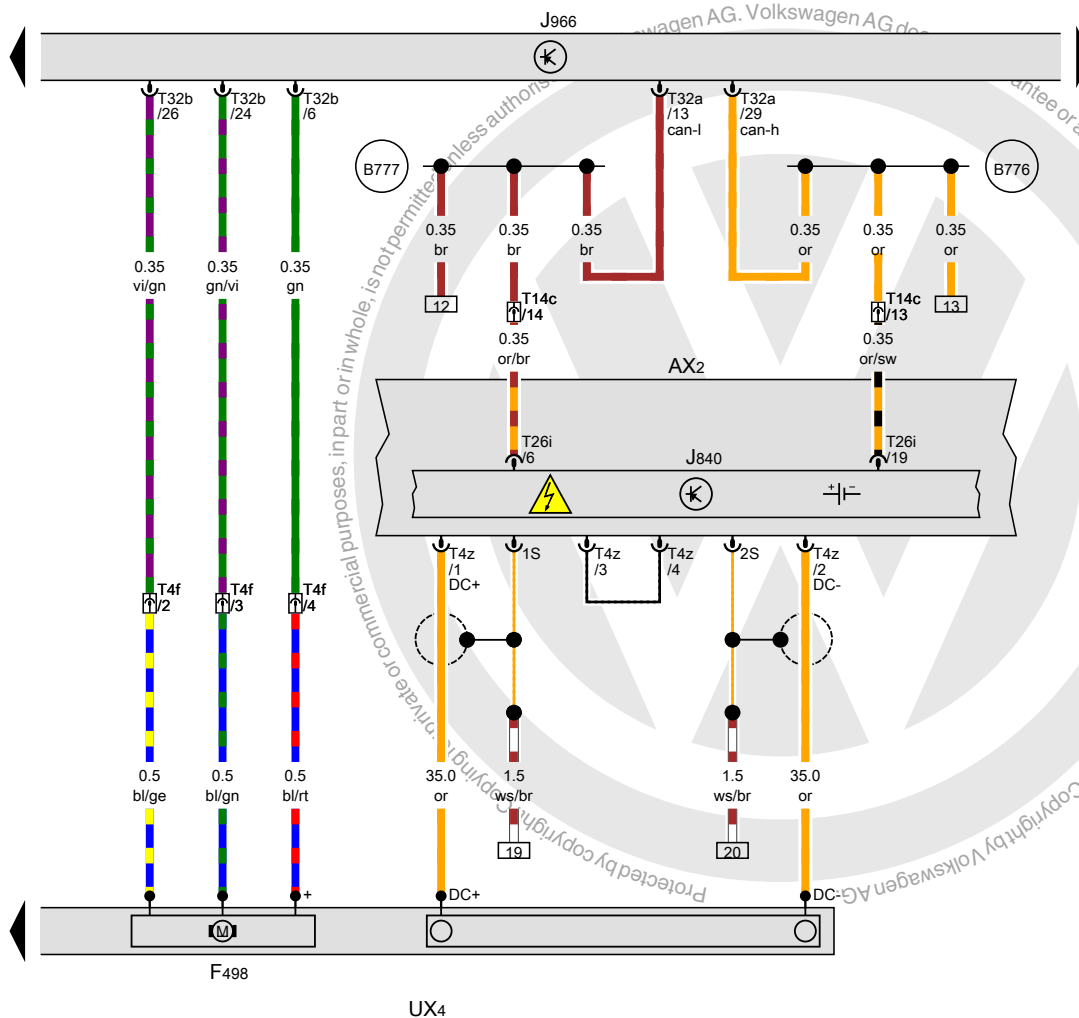
Charging unit 1 for high-voltage battery, Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- AX4 Charging unit 1 for high-voltage battery
- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- J1050 Control unit for high-voltage battery charging unit
- L263 LED module for charging socket 1
- T4y 4-pin connector
- T10a 10-pin connector
- T32b 32-pin connector
- UX4 High-voltage battery charging socket 1, in rear right wheel housing

730 Earth point 1, on right rear wheel housing

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



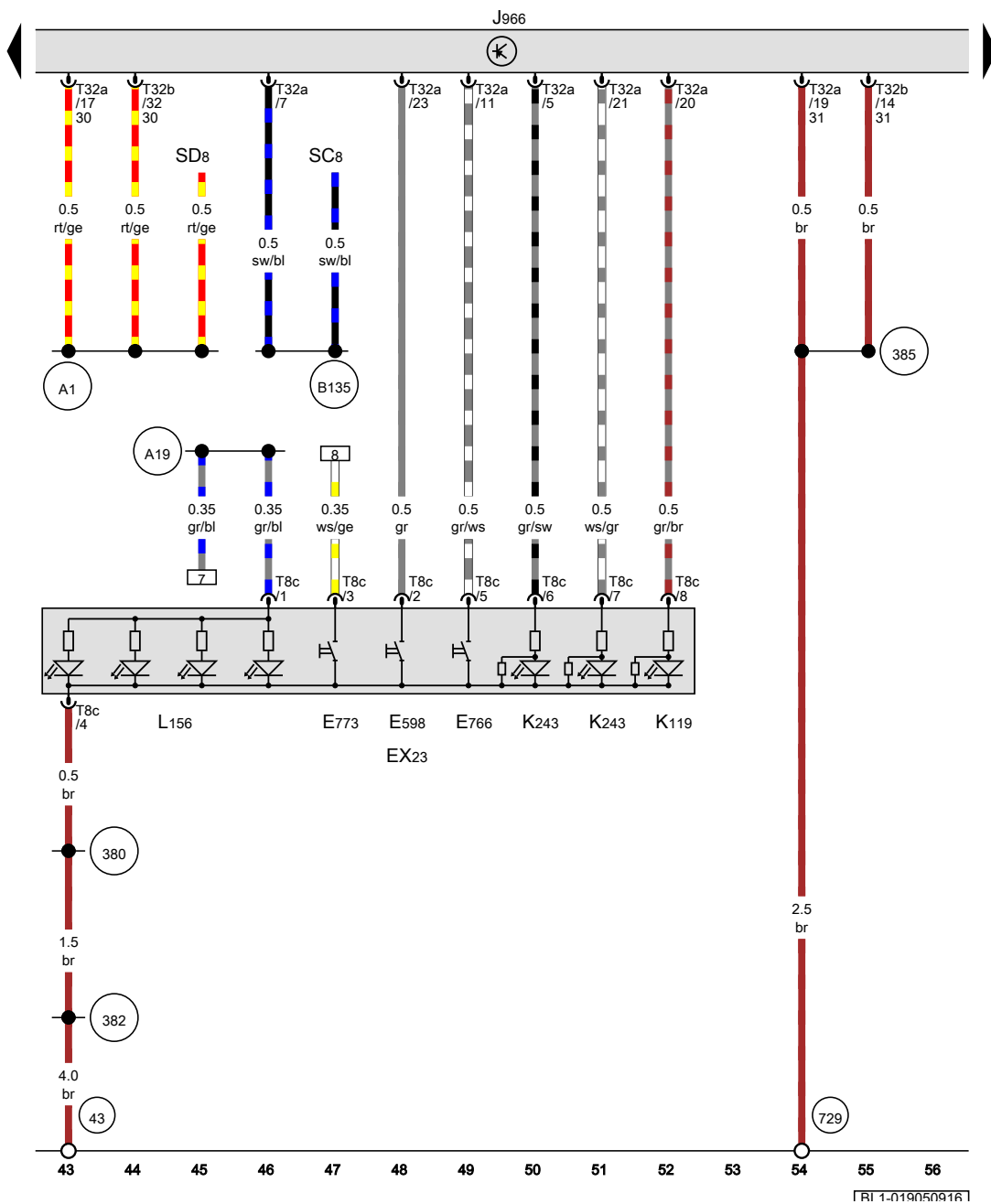


# Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- AX2 High-voltage battery 1
- F498 Actuator for high-voltage charging socket lock 1
- J840 Battery regulation control unit
- J966 Charge voltage control unit for high-voltage battery
- T4f 4-pin connector
- T4z 4-pin connector
- T14c 14-pin connector
- T26i 26-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- UX4 High-voltage battery charging socket 1, in rear right wheel housing

- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness

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### Switch module 1 in centre console, Charge voltage control unit for high-voltage battery

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E766 Immediate charge button
- E773 Button for emergency braking function
- J966 Charge voltage control unit for high-voltage battery
- K119 Charge air monitor warning lamp
- K243 Driving program warning lamp
- L156 Switch illumination bulb
- SD8 Fuse 8 on fuse holder D
- SC8 Fuse 8 on fuse holder C
- T8c 8-pin connector
- T32a 32-pin connector
- T32b 32-pin connector

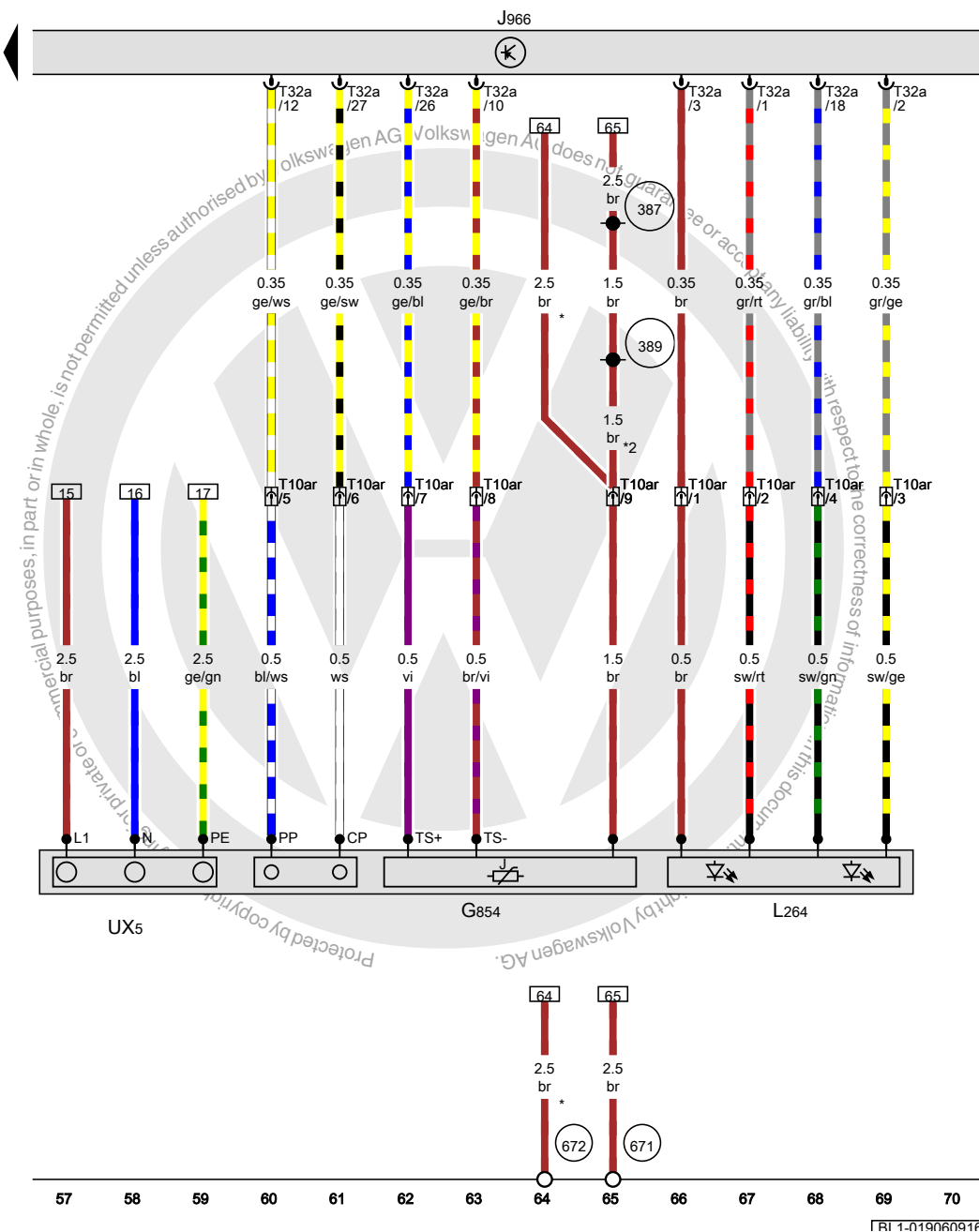
- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- A1 Positive connection (30a), in dash panel wiring harness
- A19 Connection (58d), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness

# Charge voltage control unit for high-voltage battery

- G854 Temperature sender for charging socket 2
- J966 Charge voltage control unit for high-voltage battery
- L264 LED module for charging socket 2
- T10ar 10-pin connector
- T32a 32-pin connector
- UX5 High-voltage battery charging socket 2, in middle of engine compartment

- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 671 Earth point 1, on front of left longitudinal member
- 672 Earth point 2, on front of left longitudinal member

\* From November 2014  
\*2 Up to November 2014

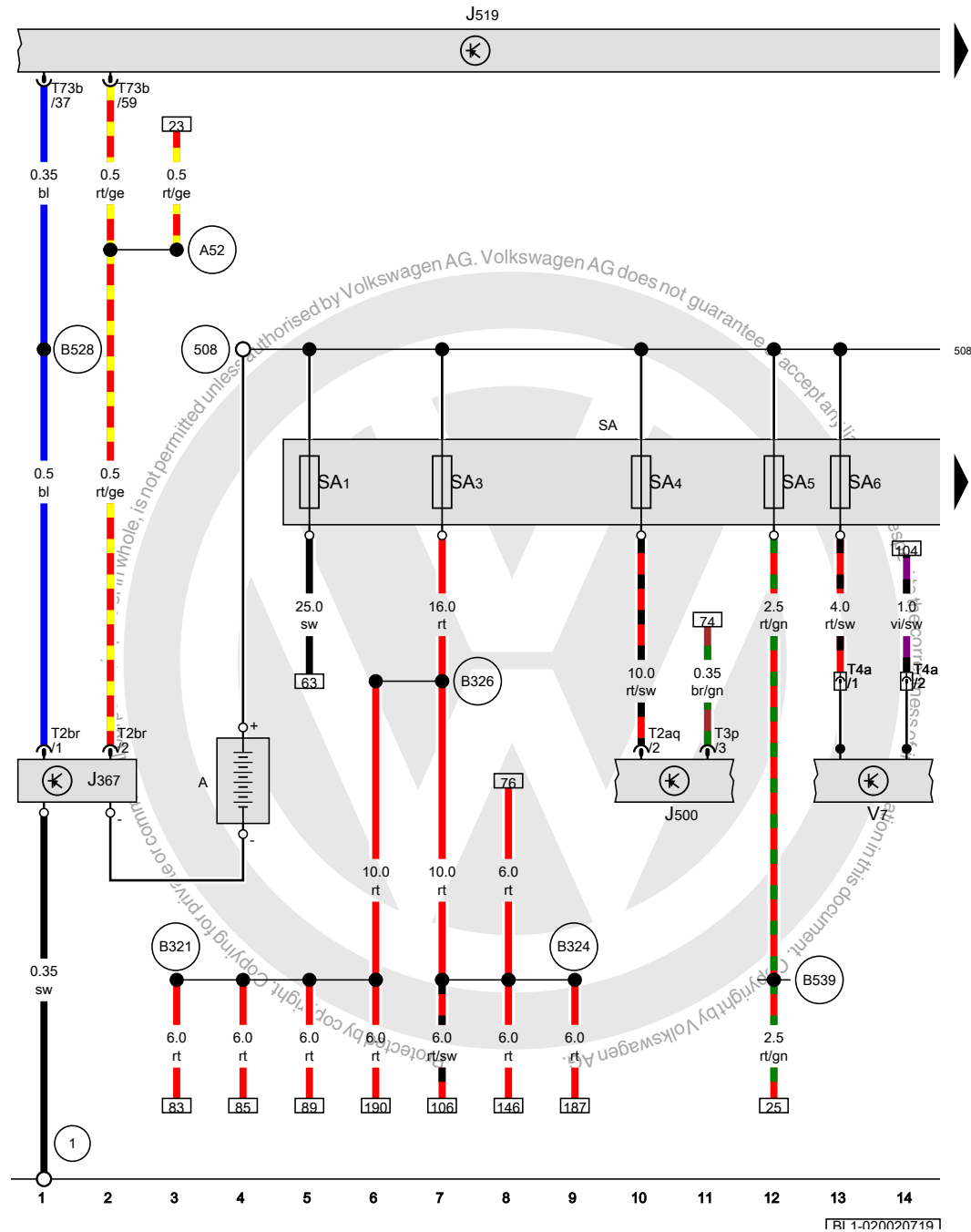


ws = white  
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## Fuse assignment

From November 2014

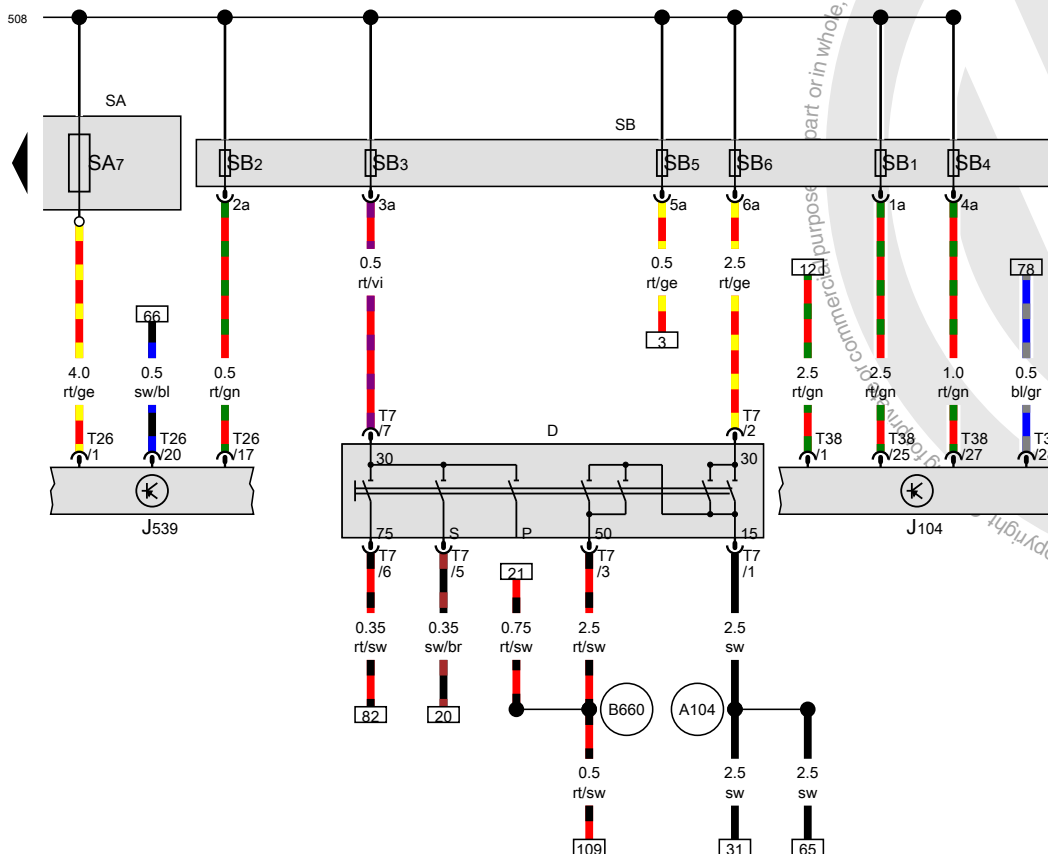
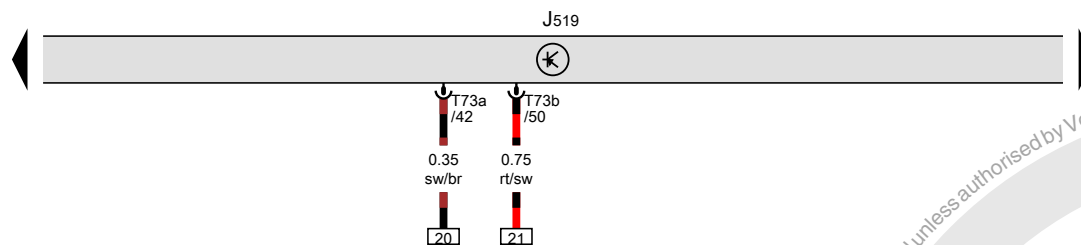




**Battery, Battery monitor control unit, Fuse holder A**

- |      |  |
|------|--|
| A    | Battery  |
| J367 | Battery monitor control unit                             |
| J500 | Power steering control unit                              |
| J519 | Onboard supply control unit                              |
| SA   | Fuse holder A  |
| SA1  | Fuse 1 on fuse holder A                                  |
| SA3  | Fuse 3 on fuse holder A                                  |
| SA4  | Fuse 4 on fuse holder A                                  |
| SA5  | Fuse 5 on fuse holder A                                  |
| SA6  | Fuse 6 on fuse holder A                                  |
| T2aq | 2-pin connector  |
| T2br | 2-pin connector  |
| T3p  | 3-pin connector  |
| T4a  | 4-pin connector, on radiator fan                         |
| T73b | 73-pin connector   |
| V7   | Radiator fan   |
| 1    | Earth strap, battery - body                              |
| 508  | Threaded connection (30) on E-box                        |
| A52  | Positive connection 2 (30), in dash panel wiring harness |
| B321 | Positive connection 7 (30a) in main wiring harness       |
| B324 | Positive connection 10 (30a) in main wiring harness      |
| B326 | Positive connection 12 (30a) in main wiring harness      |
| B528 | Connection 1 (LIN bus) in main wiring harness            |
| B539 | Connection 30, in main wiring harness                    |

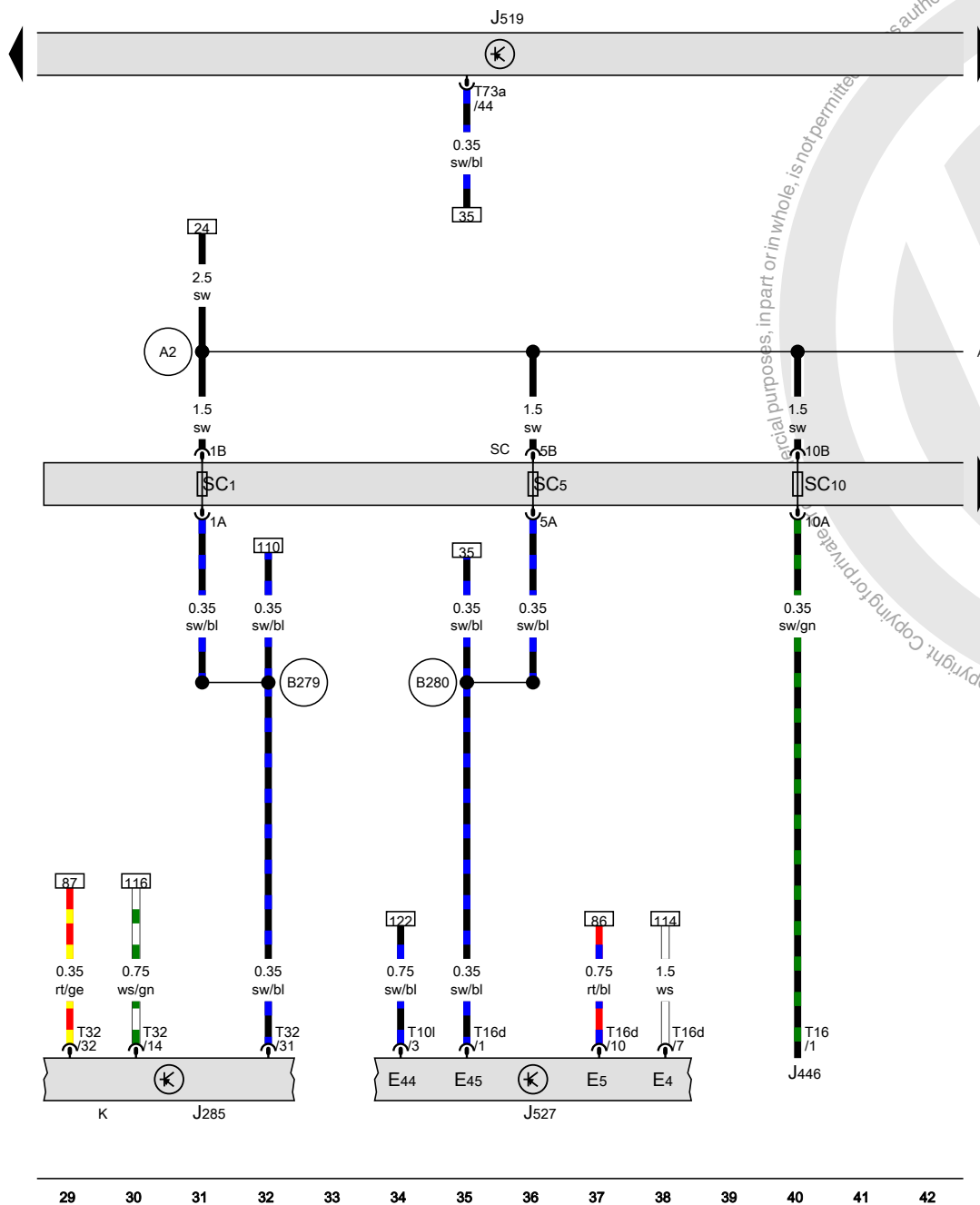
ws = white  
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Ignition/starter switch, Fuse holder A, Fuse holder B

- D Ignition/starter switch
- J104 ABS control unit
- J519 Onboard supply control unit
- J539 Brake servo control unit
- SA Fuse holder A
- SB Fuse holder B
- SB1 Fuse 1 on 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
- SA7 Fuse 7 on fuse holder A
- T7 7-pin connector
- T26 26-pin connector
- T38 38-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- 508 Threaded connection (30) on E-box
- A104 Positive connection 2 (15), in dash panel wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness

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- rs = pink

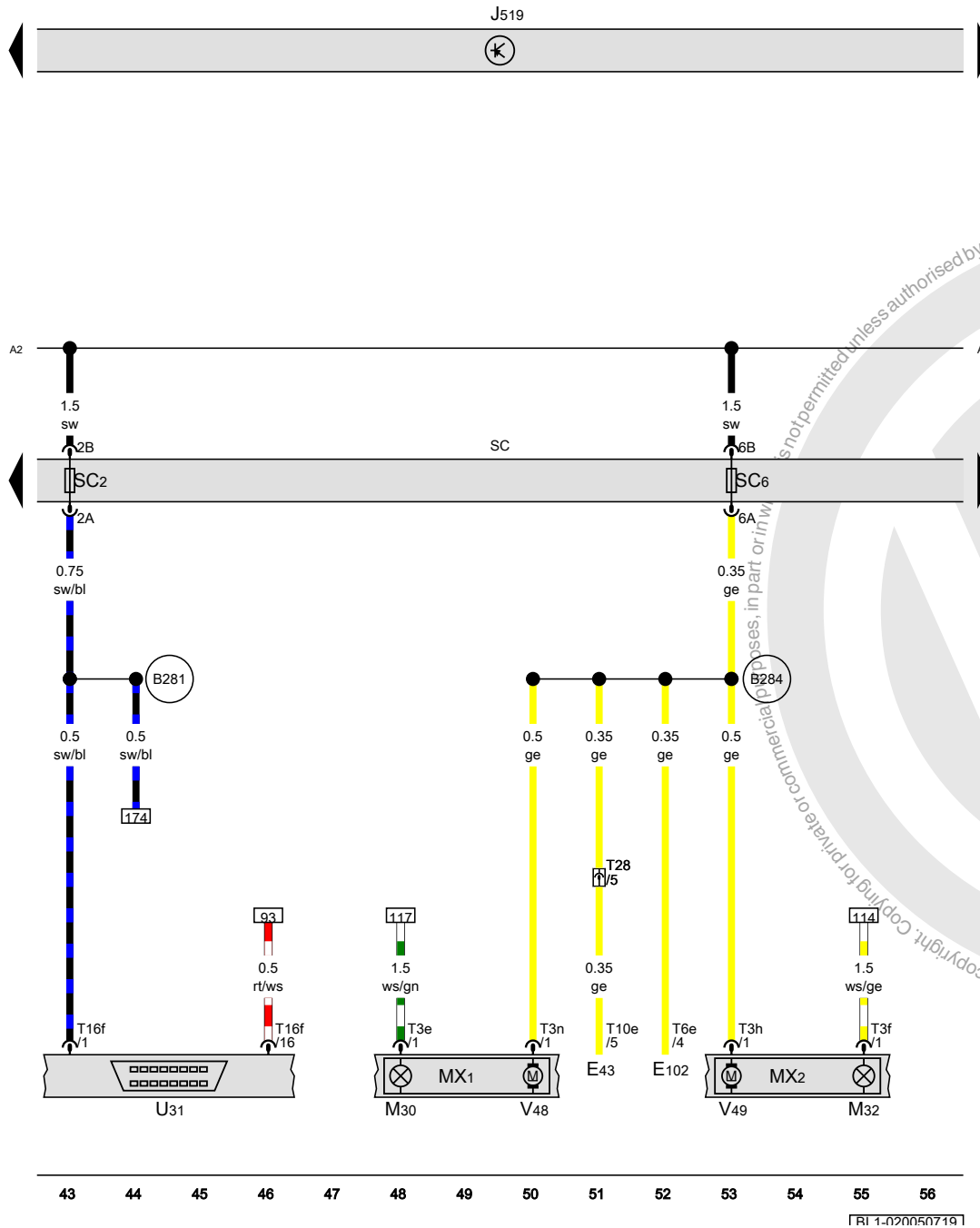


### Fuse holder C

- E4 Headlight dipper and flasher switch
- E5 Headlight flasher switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- J285 Control unit in dash panel insert
- J446 Parking aid control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- K Dash panel insert
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- T10I 10-pin connector
- T16 16-pin connector
- T16d 16-pin connector
- T32 32-pin connector
- T73a 73-pin connector

- A2 Positive connection (15), in dash panel wiring harness
- B279 Positive connection 3 (15a) in main wiring harness
- B280 Positive connection 4 (15a) in main wiring harness

- ws = white
- sw = black
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- rt = red
- br = brown
- gn = green
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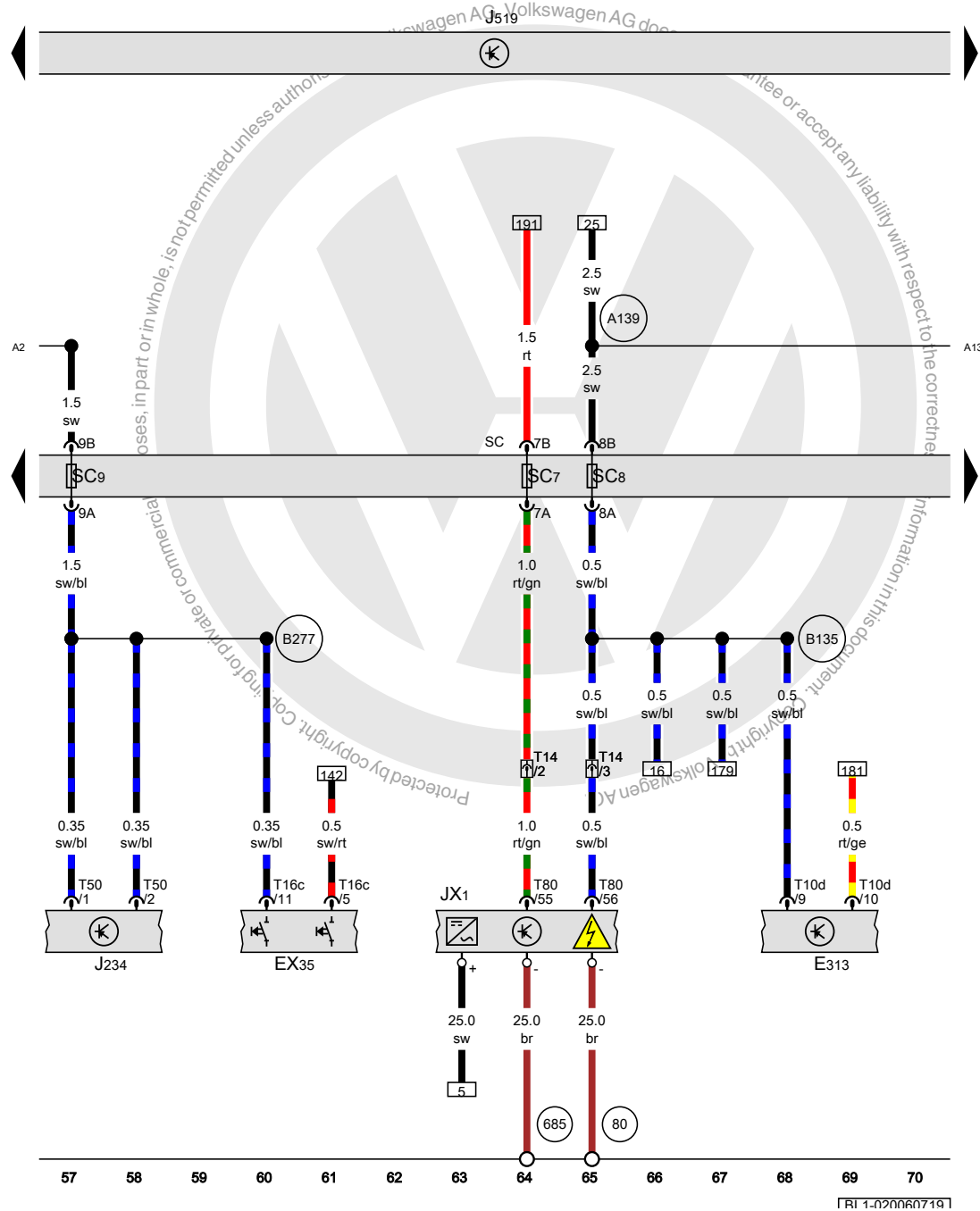
### Fuse holder C

- E43 Mirror adjustment switch
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- M30 Left headlight main beam bulb
- M32 Right headlight main beam bulb
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- T3e 3-pin connector
- T3f 3-pin connector
- T3h 3-pin connector
- T3n 3-pin connector
- T6e 6-pin connector
- T10e 10-pin connector
- T16f 16-pin connector
- T28 28-pin connector, in front left door
- U31 Diagnostic connection
- V48 Left headlight range control motor
- V49 Right headlight range control motor

- A2 Positive connection (15), in dash panel wiring harness
- B281 Positive connection 5 (15a) in main wiring harness
- B284 Positive connection 8 (15a) in main wiring harness

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

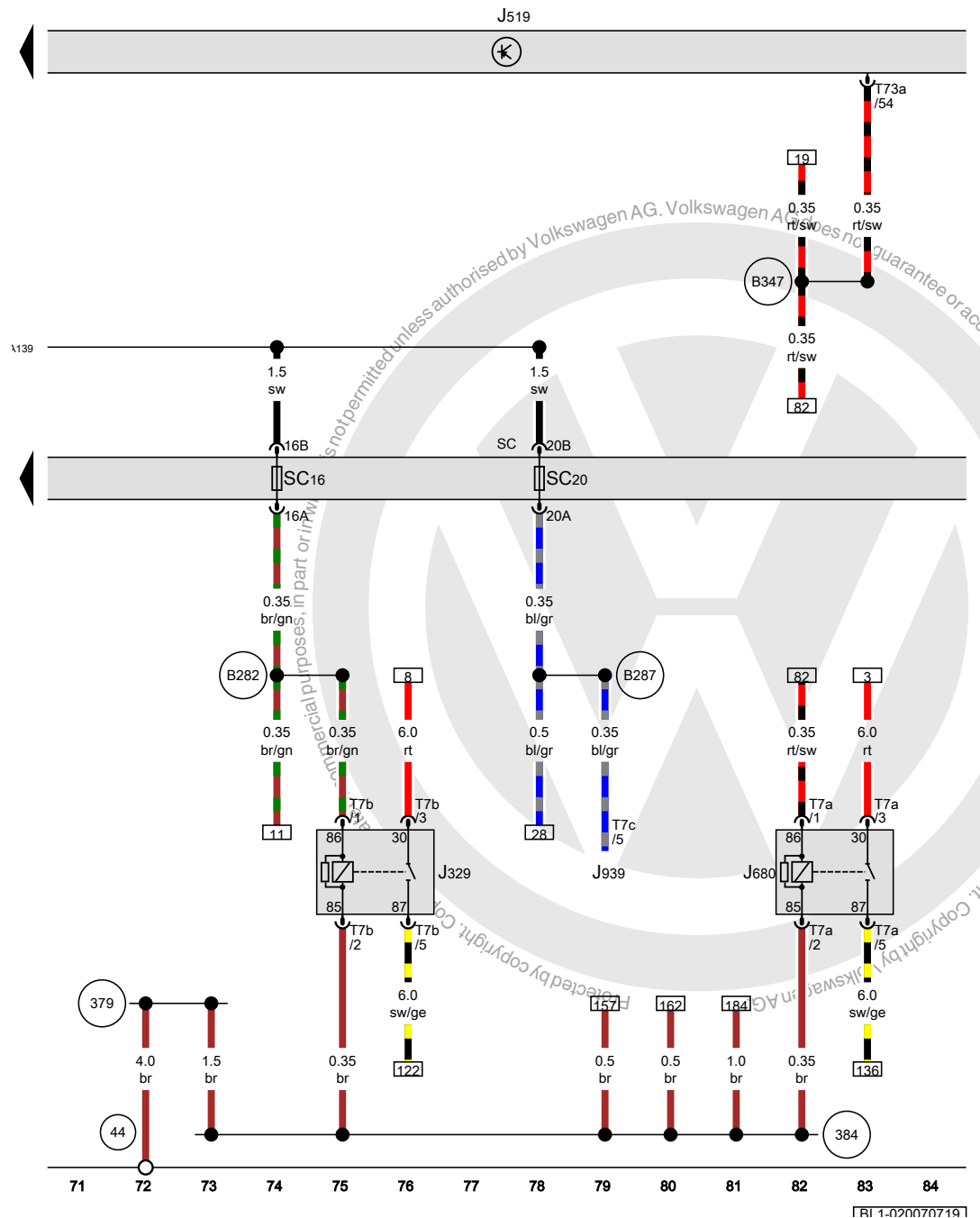




### Fuse holder C

- EX35 Centre switch module 2 in dash panel
- E313 Selector lever
- JX1 Power and control electronics for electric drive
- J234 Airbag control unit
- J519 Onboard supply control unit
- 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
- T10d 10-pin connector
- T14 14-pin connector, on left in engine compartment
- T16c 16-pin connector
- T50 50-pin connector
- T80 80-pin connector

- 80 Earth point, on centre of front cross member
- 685 Earth point 1, on front of right longitudinal member
- A2 Positive connection (15), in dash panel wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B277 Positive connection 1 (15a) in main wiring harness

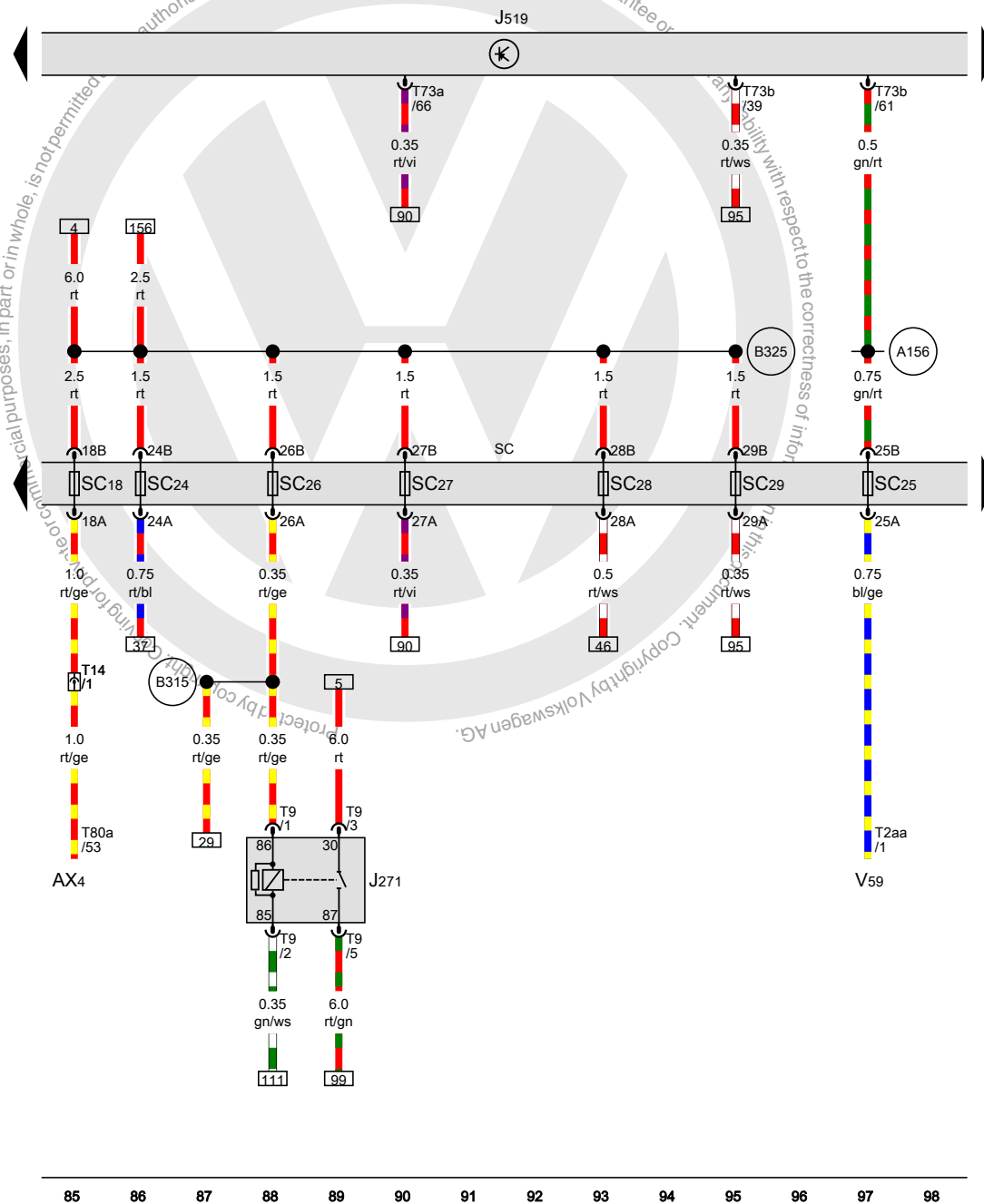


# Terminal 15 voltage supply relay, Terminal 75 voltage supply relay 1, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- J939 Emergency braking function sensor unit
- SC Fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T7a 7-pin connector
- T7b 7-pin connector
- T7c 7-pin connector
- T73a 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B282 Positive connection 6 (15a) in main wiring harness
- B287 Positive connection 11 (15a) in main wiring harness
- B347 Connection 2 (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

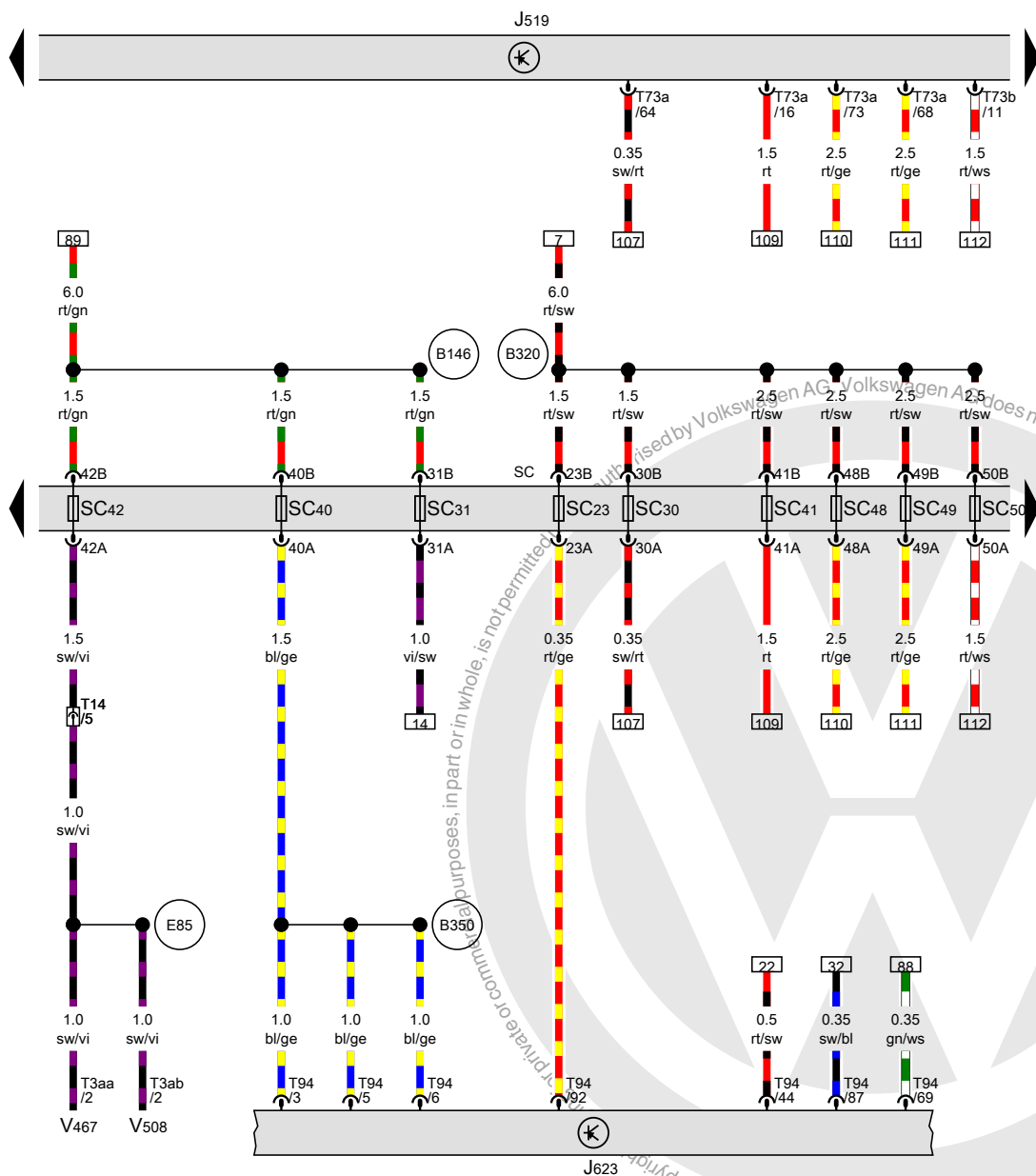


### Main relay, Fuse holder C

- AX4 Charging unit 1 for high-voltage battery
- J271 Main relay
- J519 Onboard supply control unit
- SC Fuse holder C
- SC18 Fuse 18 on 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
- T2aa 2-pin connector
- T9 9-pin connector
- T14 14-pin connector, on left in engine compartment
- T73a 73-pin connector
- T73b 73-pin connector
- T80a 80-pin connector
- V59 Windscreen and rear window washer pump

- A156 Connection (53c), in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B325 Positive connection 11 (30a) in main wiring harness

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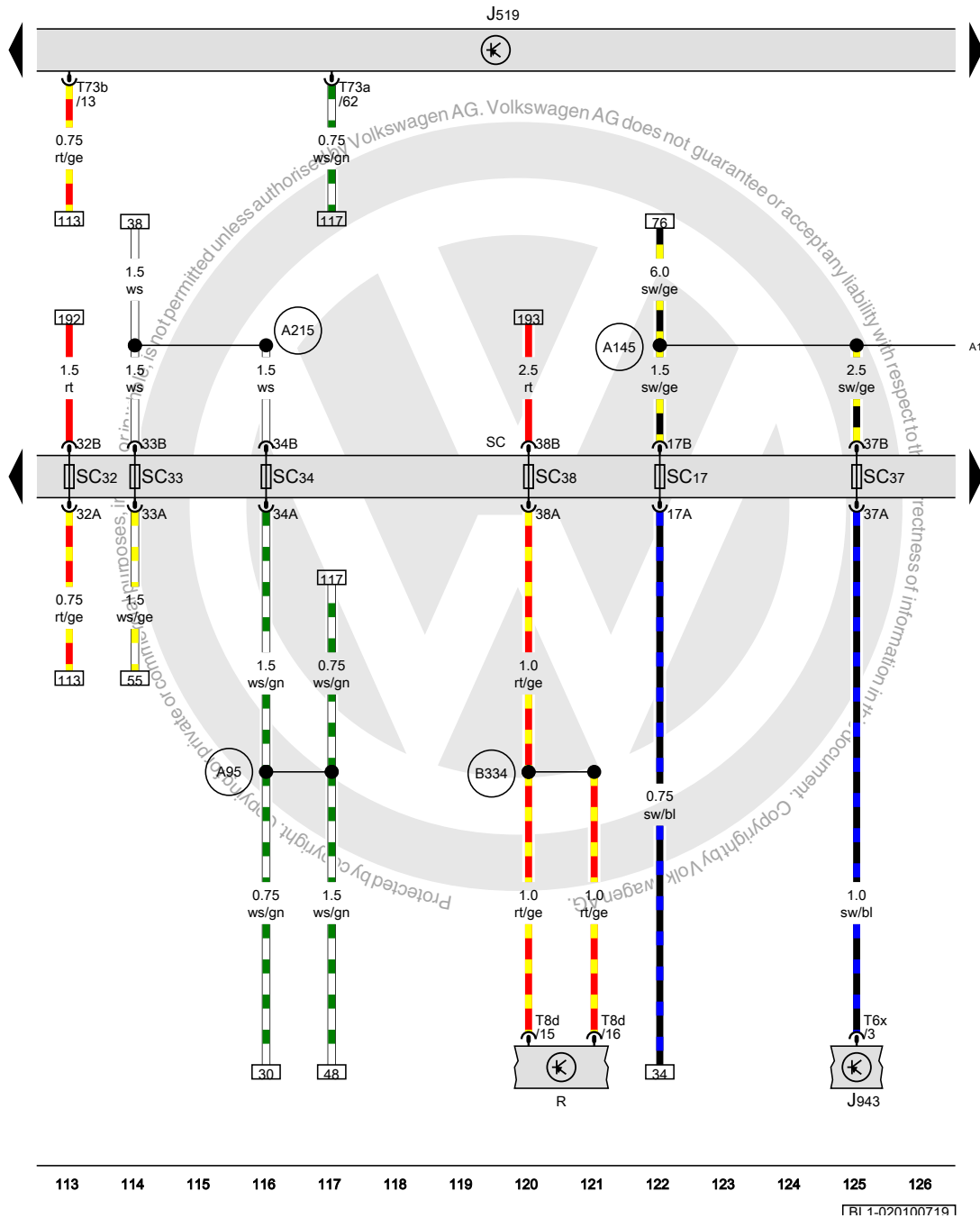


### Fuse holder C

- |      |  |
|------|--|
| J519 | Onboard supply control unit  |
| J623 | Engine/motor control unit  |
| SC   | Fuse holder C  |
| SC23 | Fuse 23 on fuse holder C   |
| SC30 | Fuse 30 on fuse holder C   |
| SC31 | Fuse 31 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   |
| SC48 | Fuse 48 on fuse holder C   |
| SC49 | Fuse 49 on fuse holder C   |
| SC50 | Fuse 50 on fuse holder C   |
| T3aa | 3-pin connector  |
| T3ab | 3-pin connector  |
| T14  | 14-pin connector, on left in engine compartment                                  |
| T73a | 73-pin connector   |
| T73b | 73-pin connector   |
| T94  | 94-pin connector   |
| V467 | Coolant pump for high-temperature circuit  |
| V508 | Coolant circulation pump before power and control electronics for electric drive |

- B146** Positive connection 1 (87), in interior wiring harness
- B320** Positive connection 6 (30a) in main wiring harness
- B350** Positive connection 1 (87a) in main wiring harness
- E85** Connection 9 (87a) in engine wiring harness

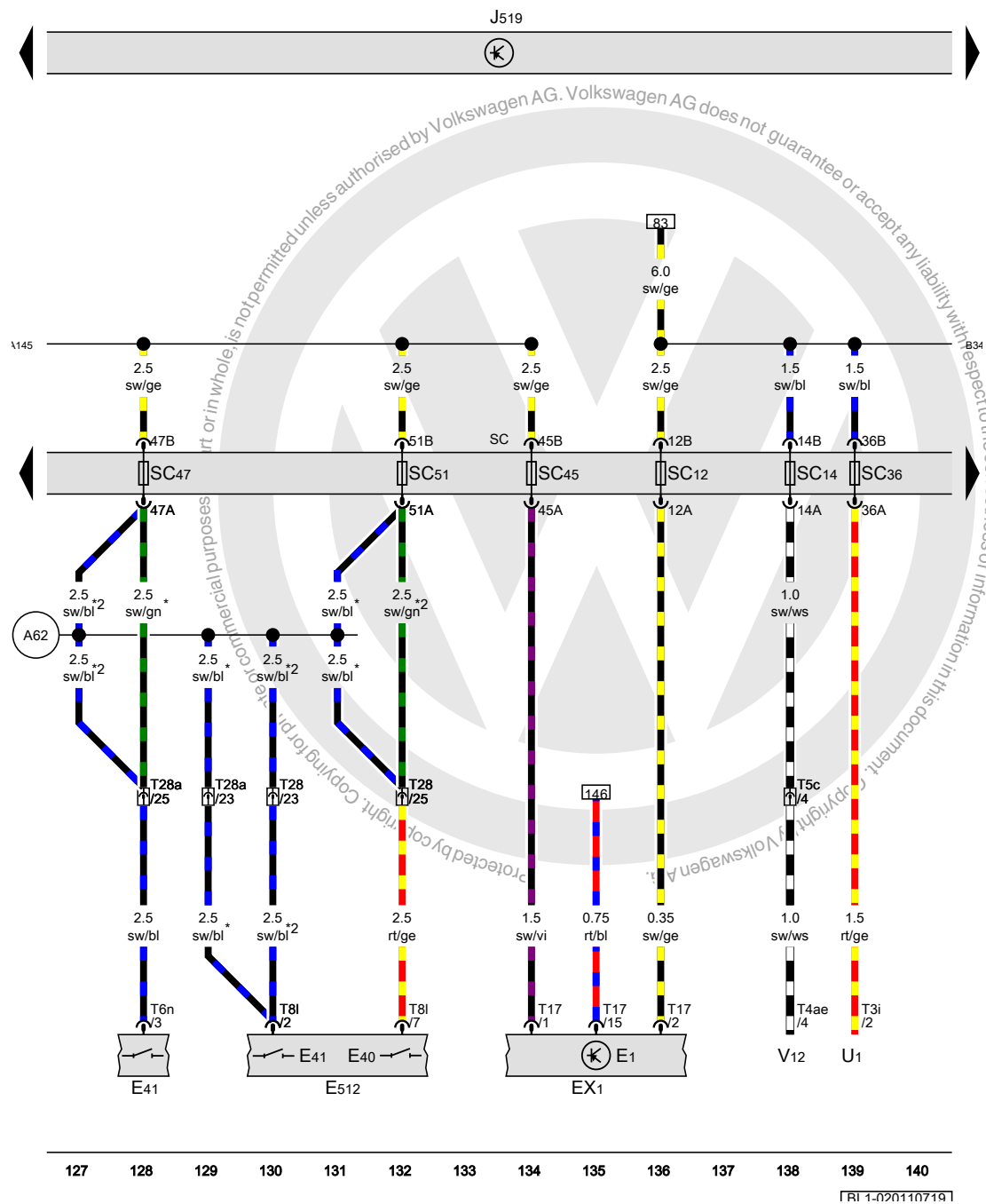
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sw = black  
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or = orange  
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### Fuse holder C

- J519 Onboard supply control unit
- J943 Engine sound generator control unit
- R Radio
- SC Fuse holder C
- SC17 Fuse 17 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
- T6x 6-pin connector
- T8d 8-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

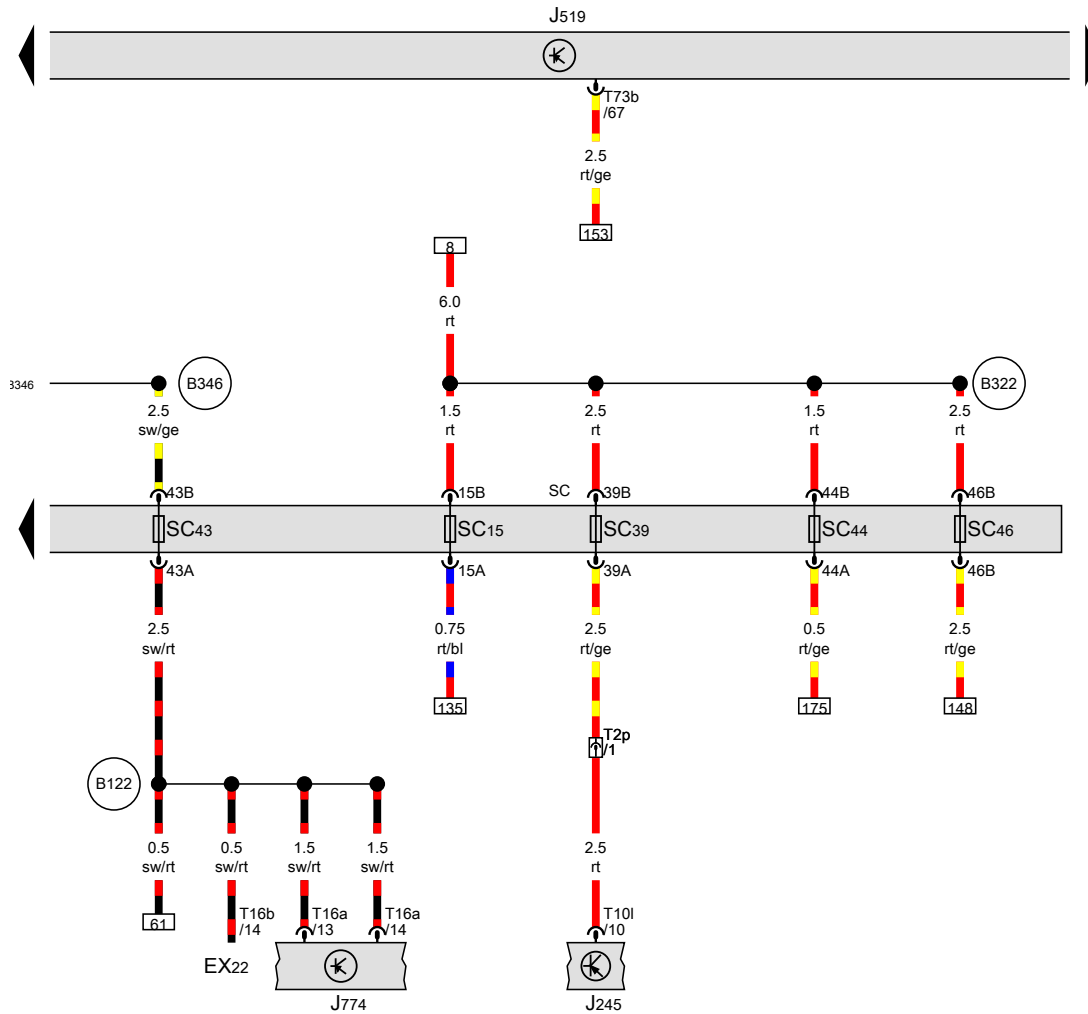
- A95 Connection 1 (56a), in dash panel wiring harness
- A145 Positive connection 4 (15), in dash panel wiring harness
- A215 Connection 2 (56a), in dash panel wiring harness
- B334 Positive connection 20 (30a) in main wiring harness



### Fuse holder C

- E1 Light switch
- EX1 Rotary light switch
- E40 Front left window regulator switch
- E41 Front right window regulator switch
- E512 Operating unit for window regulator in driver door
- J519 Onboard supply control unit
- SC Fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T3i 3-pin connector
- T4ae 4-pin connector
- T5c 5-pin connector, in rear lid
- T6n 6-pin connector
- T8l 8-pin connector
- T17 17-pin connector
- T28 28-pin connector, in front left door
- T28a 28-pin connector, in front right door
- U1 Cigarette lighter
- V12 Rear window wiper motor
- A62 Connection (window regulators), in dash panel wiring harness
- A145 Positive connection 4 (15), in dash panel wiring harness
- B346 Connection 1 (75), in main wiring harness
- \* For right-hand drive models
- \*2 For left-hand drive models

ws = white  
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### Fuse holder C

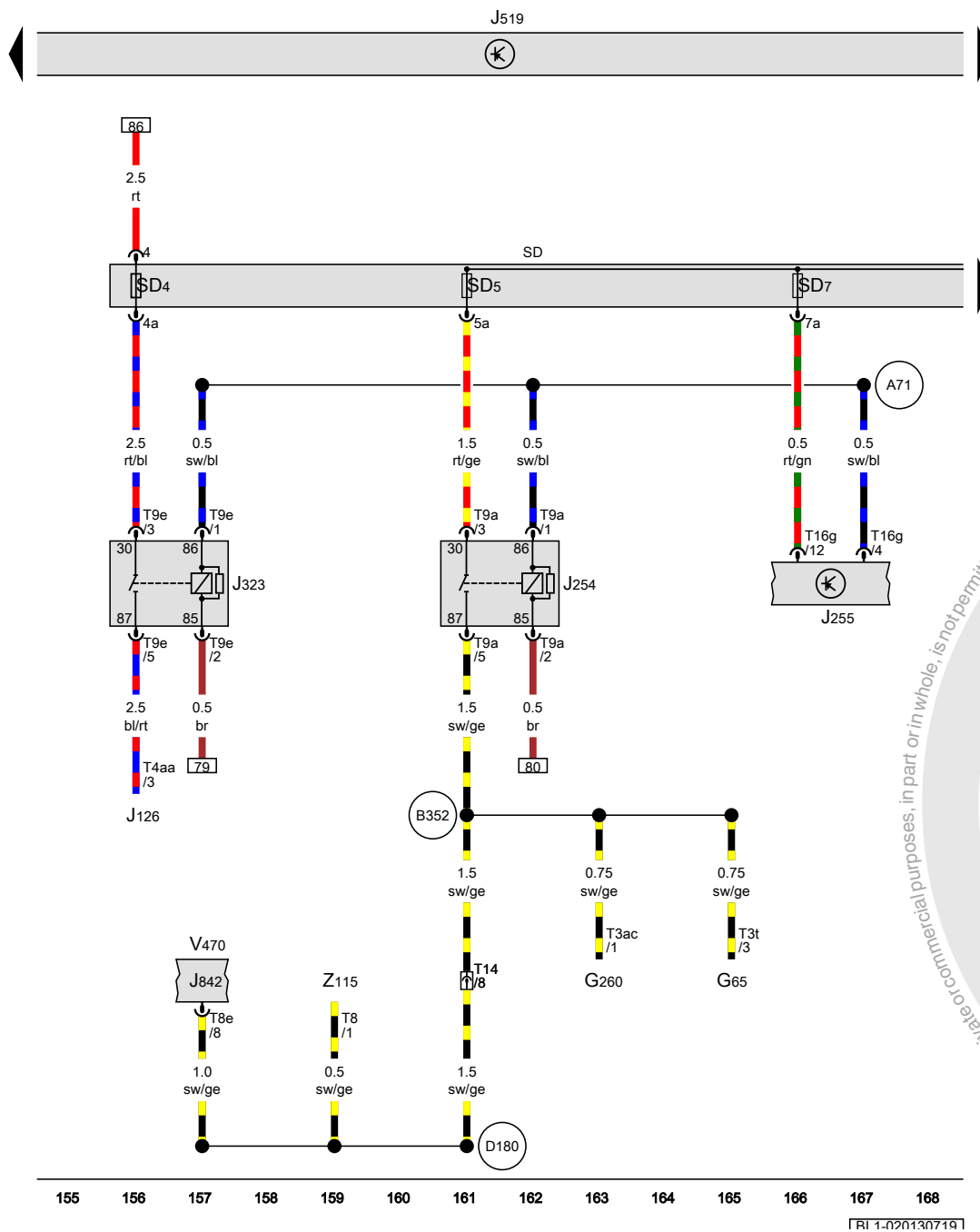
- EX22 Centre switch module in dash panel
- J245 Sliding sunroof adjustment control unit
- J519 Onboard supply control unit
- J774 Heated front seats control unit
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- T2p 2-pin connector, in roof
- T10l 10-pin connector, black
- T16a 16-pin connector
- T16b 16-pin connector
- T73b 73-pin connector

- B122 Connection (75, seat heating), in interior wiring harness
- B322 Positive connection 8 (30a) in main wiring harness
- B346 Connection 1 (75), in main wiring harness

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

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

FR 1-020120719



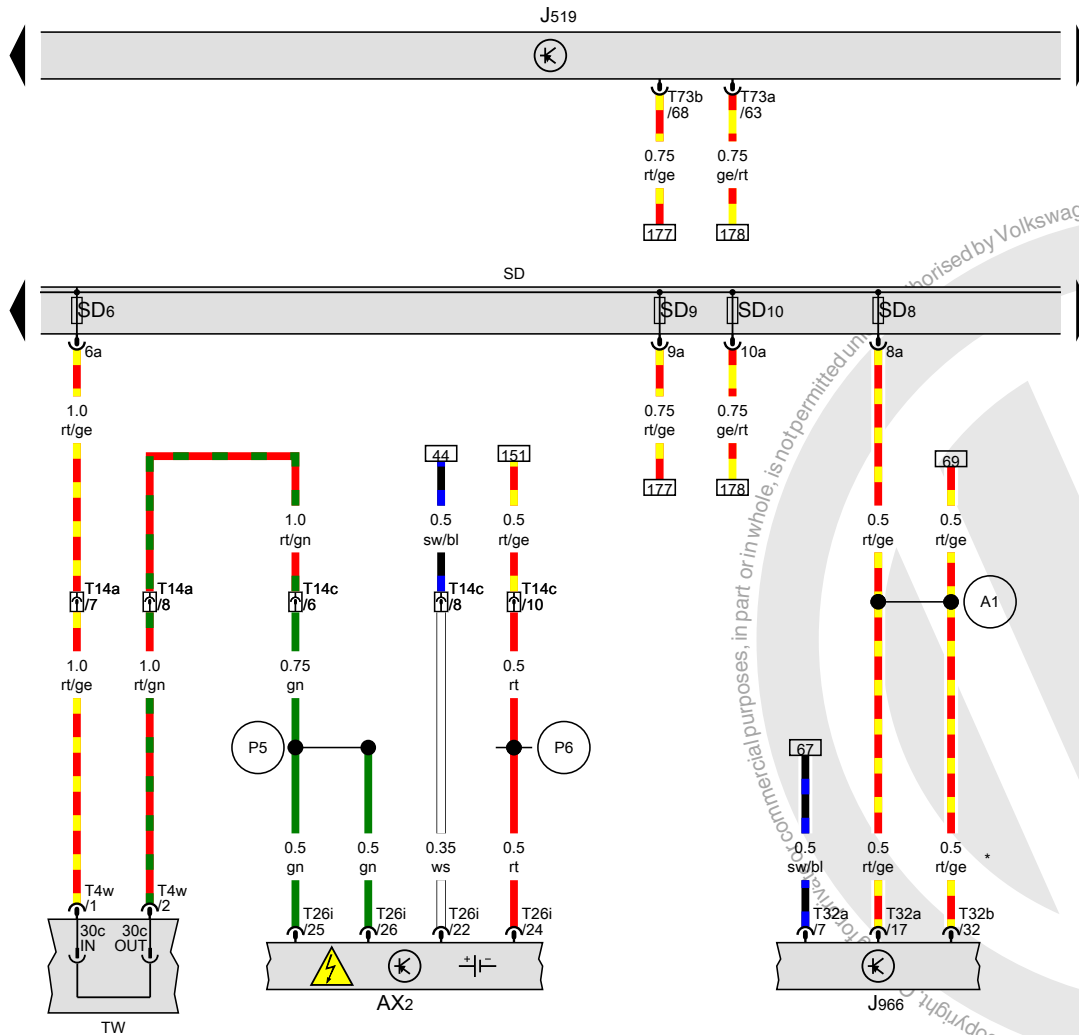
# Climatronic relay, Blower relay, Fuse holder D

- G65 High-pressure sender
- G260 Humidity sender for air conditioning system
- J126 Fresh air blower control unit
- J254 Climatronic relay
- J255 Climatronic control unit
- J323 Blower relay
- J519 Onboard supply control unit
- J842 Control unit for air conditioning compressor
- SD Fuse holder D
- SD4 Fuse 4 on fuse holder D
- SD5 Fuse 5 on fuse holder D
- SD7 Fuse 7 on fuse holder D
- T3ac 3-pin connector
- T3t 3-pin connector
- T4aa 4-pin connector
- T8 8-pin connector
- T8e 8-pin connector
- T9a 9-pin connector
- T9e 9-pin connector
- T14 14-pin connector, on left in engine compartment
- T16g 16-pin connector
- V470 Electrical air conditioner compressor
- Z115 High-voltage heater (PTC)

- A71 Connection (86), in dash panel wiring harness
- B352 Positive connection 3 (87a) in main wiring harness
- D180 Connection (87a), in engine compartment wiring harness

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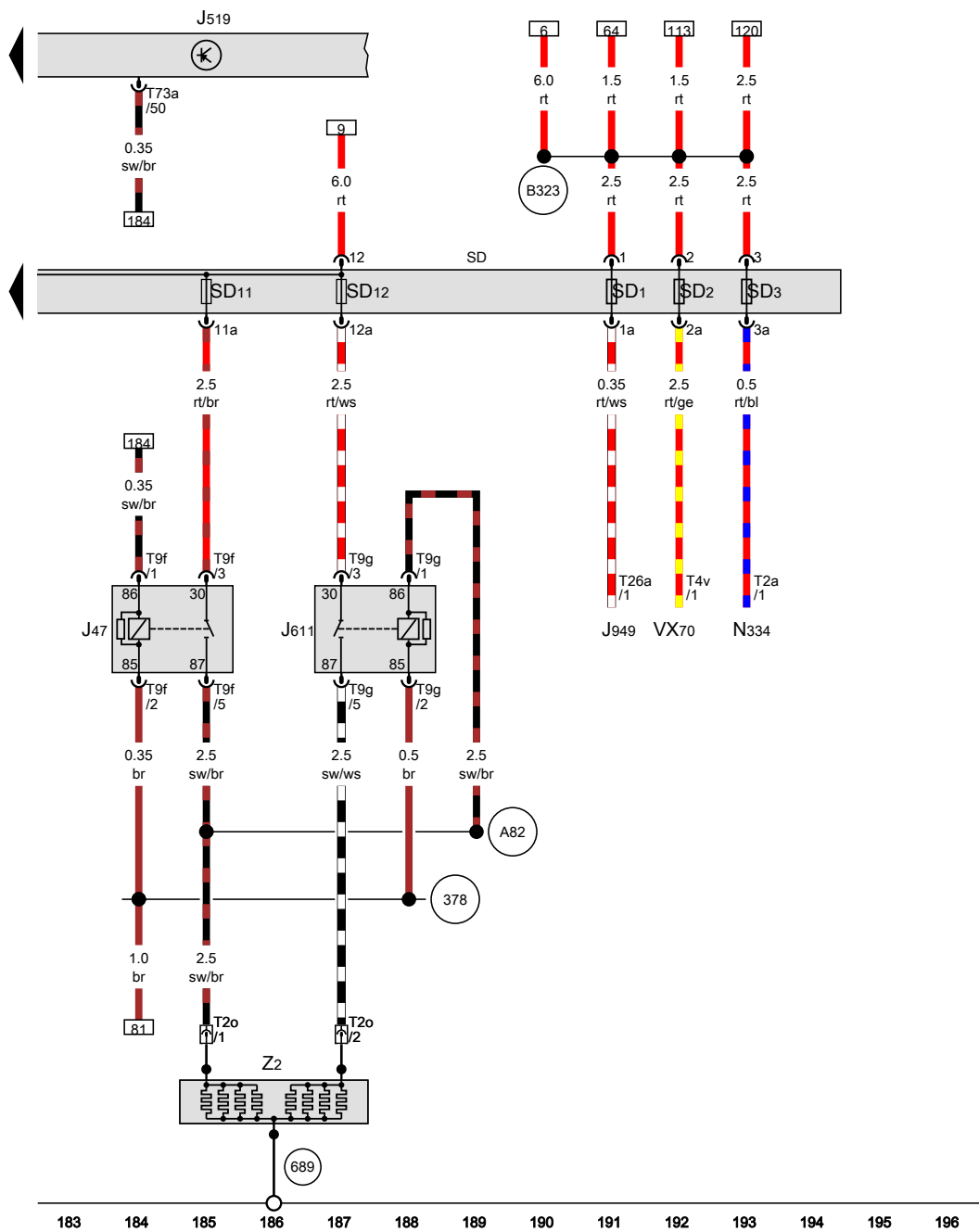




### Fuse holder D

- AX2 High-voltage battery 1
- J519 Onboard supply control unit
- J966 Charge voltage control unit for high-voltage battery
- SD Fuse holder D
- SD6 Fuse 6 on fuse holder D
- SD8 Fuse 8 on fuse holder D
- SD9 Fuse 9 on fuse holder D
- SD10 Fuse 10 on fuse holder D
- T4w 4-pin connector
- T14a 14-pin connector, on left in engine compartment
- T14c 14-pin connector
- T26i 26-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- TW Maintenance connector for high-voltage system
- A1 Positive connection (30a), in dash panel wiring harness
- P5 Positive connection 1 in high-voltage battery wiring harness
- P6 Positive connection 2 in high-voltage battery wiring harness
- \* According to equipment

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 ro = red  
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 bl = blue  
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# Heated windscreen relay, Heated windscreen relay 2, Fuse holder D, Heated windscreen

- J47 Heated windscreen relay
- J519 Onboard supply control unit
- J611 Heated windscreen relay 2
- J949 Emergency call module control unit and communication unit
- N334 Ignition key withdrawal lock solenoid valve
- SD Fuse holder D
- SD1 Fuse 1 on fuse holder D
- SD2 Fuse 2 on fuse holder D
- SD3 Fuse 3 on fuse holder D
- SD11 Fuse 11 on fuse holder D
- SD12 Fuse 12 on fuse holder D
- T2a 2-pin connector
- T2o 2-pin connector, central in plenum chamber
- T4v 4-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T26a 26-pin connector
- T73a 73-pin connector
- VX70 Brake system pressure accumulator
- Z2 Heated windscreen

- 378 Earth connection 13, in main wiring harness
- 689 Earth point, at front, central in roof
- A82 Connection (windscreen heater), in dash panel wiring harness
- B323 Positive connection 9 (30a) in main wiring harness

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
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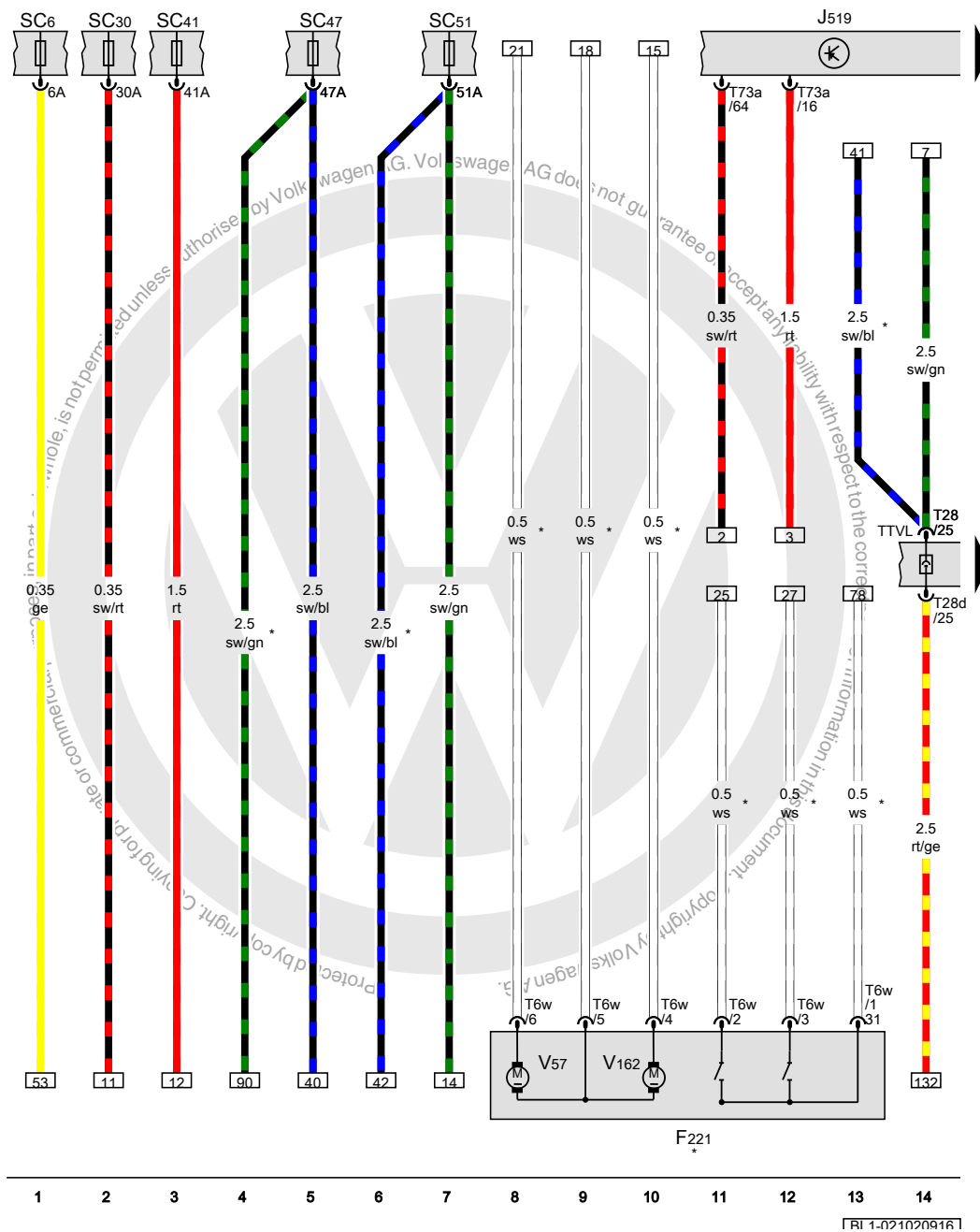
## Convenience system

From November 2014

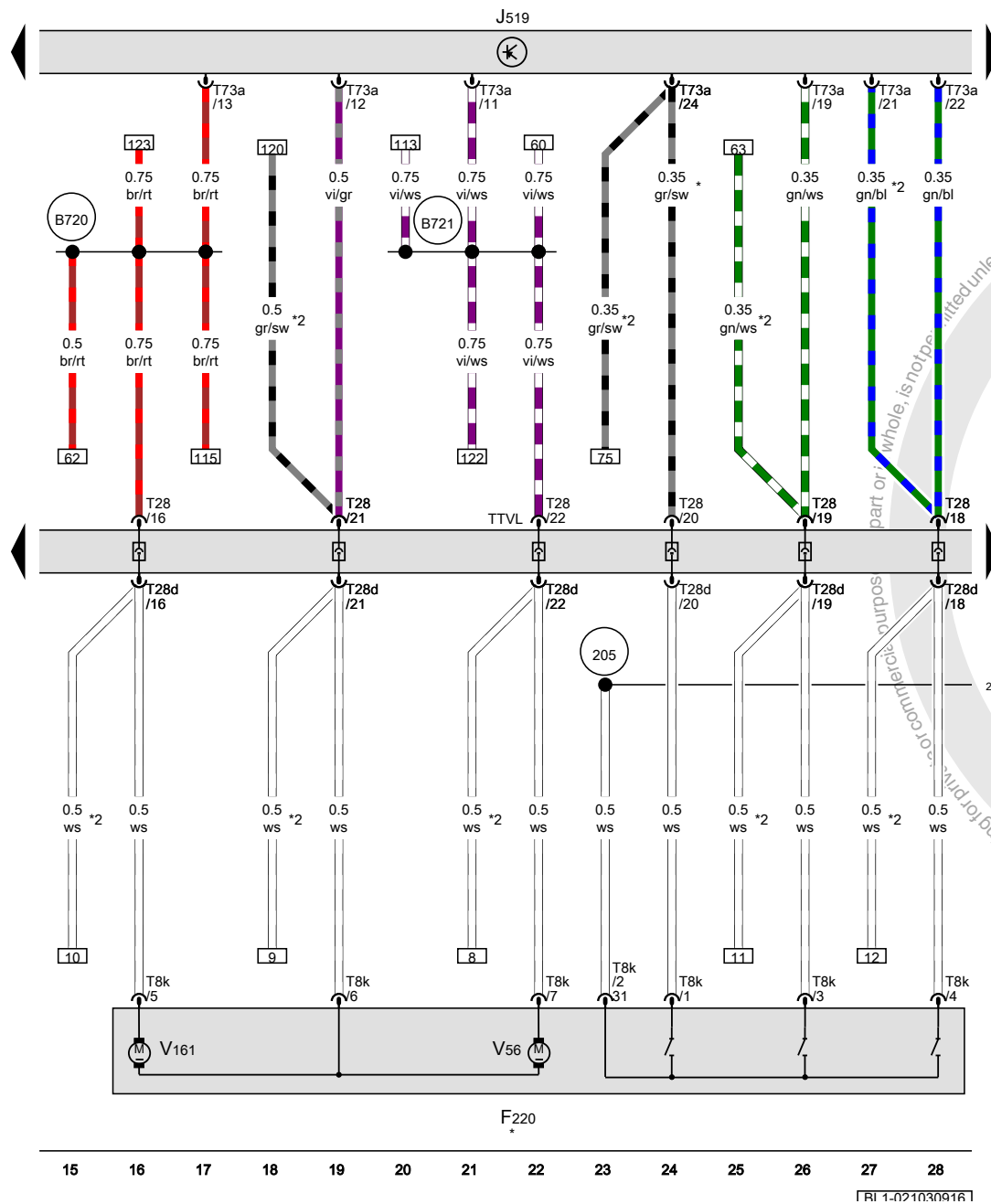


Front passenger side central locking lock unit, Onboard supply control unit

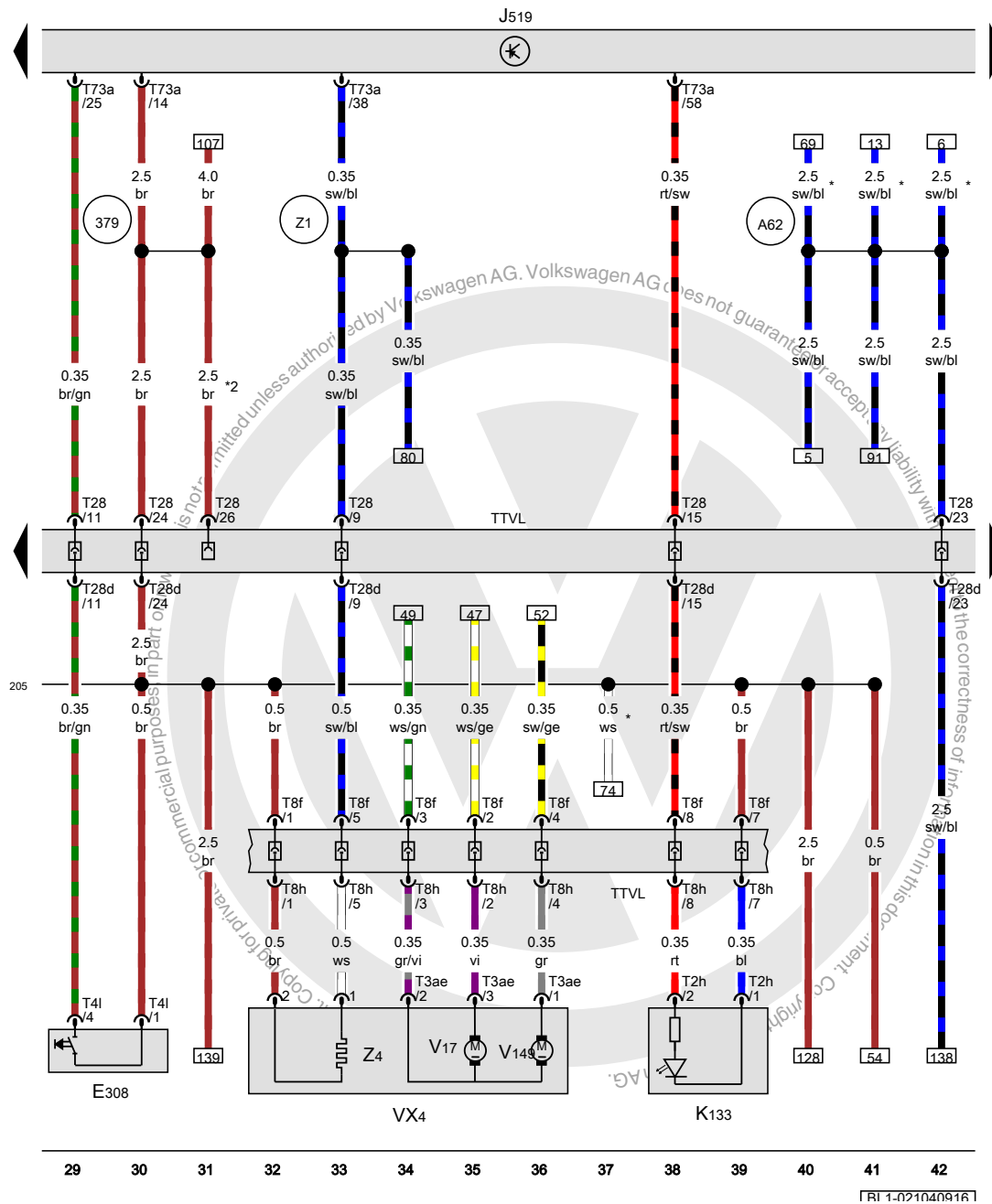
- F221 Front passenger side central locking lock unit, in front passenger door
- J519 Onboard supply control unit, on dash panel insert
- SC6 Fuse 6 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T6w 6-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- TTVL Coupling point for front left door
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor
- \* Only right-hand drive models



Driver side central locking lock unit, Onboard supply control unit



- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T8k 8-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- TTVL Coupling point for front left door
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor
- 205 Earth connection, in driver door wiring harness
- B720 Connection 1 (central locking), in main wiring harness
- B721 Connection 2 (central locking), in main wiring harness
- \* Only left-hand drive models
- \*2 Only right-hand drive models



Driver side interior locking button for central locking system, Onboard supply control unit, Central locking SAFELOCK function warning lamp, Driver side exterior mirror

- E308 Driver side interior locking button for central locking system, in driver door
- J519 Onboard supply control unit, on dash panel insert
- K133 Central locking SAFELOCK function warning lamp, in driver door
- T2h 2-pin connector, black
- T3ae 3-pin connector, black
- T4I 4-pin connector, blue
- T8f 8-pin connector
- T8h 8-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- TTVL Coupling point for front left door
- VX4 Driver side exterior mirror, on driver side exterior mirror
- V17 Driver side mirror adjustment motor 2
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

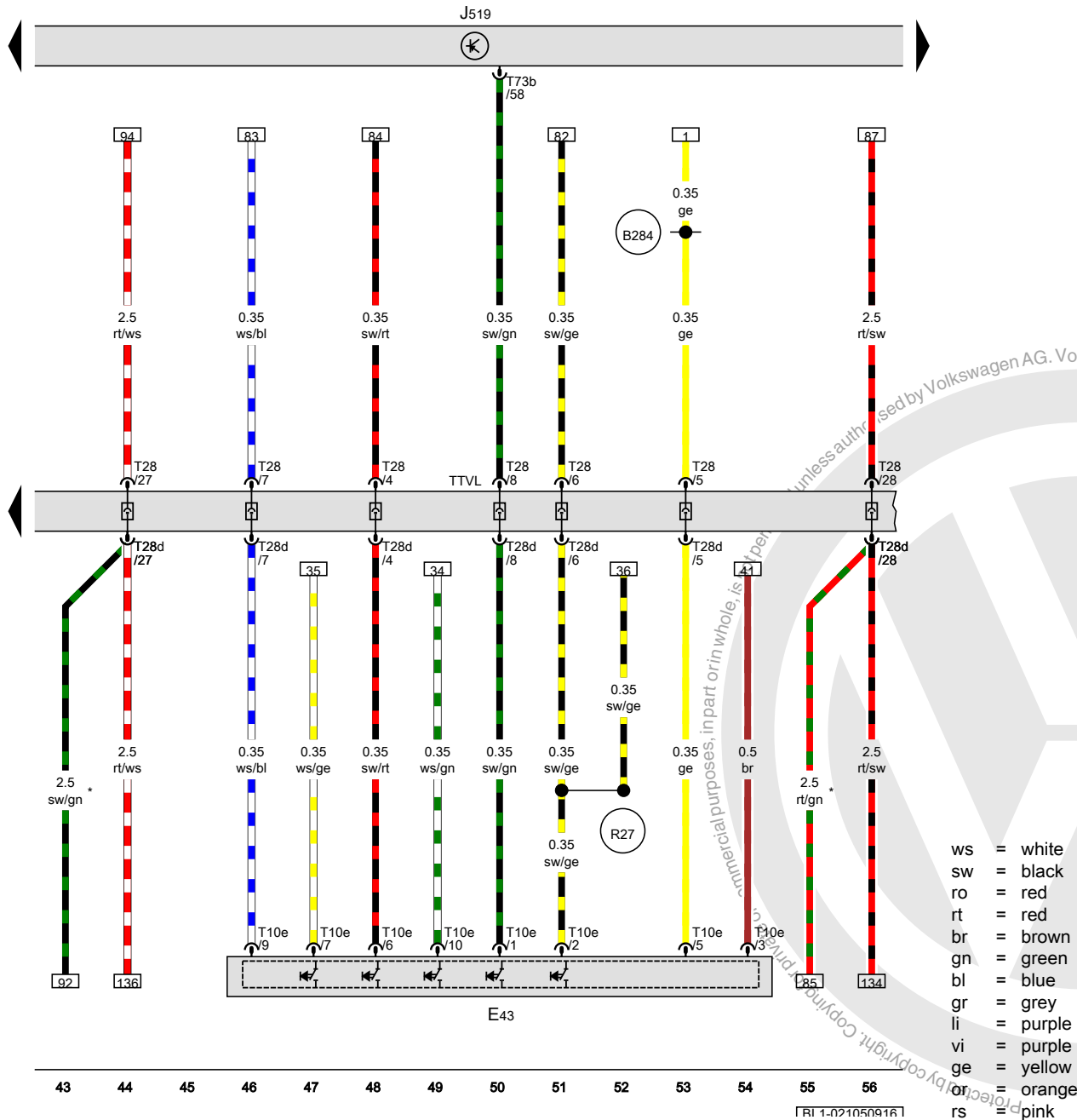
- 205 Earth connection, in driver door wiring harness
- 379 Earth connection 14, in main wiring harness
- A62 Connection (window regulators), in dash panel wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness

- \* Only right-hand drive models
- \*2 Only left-hand drive models

Mirror adjustment switch, Onboard supply control unit

- E43 Mirror adjustment switch, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T10e 10-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73b 73-pin connector, black
- TTVL Coupling point for front left door

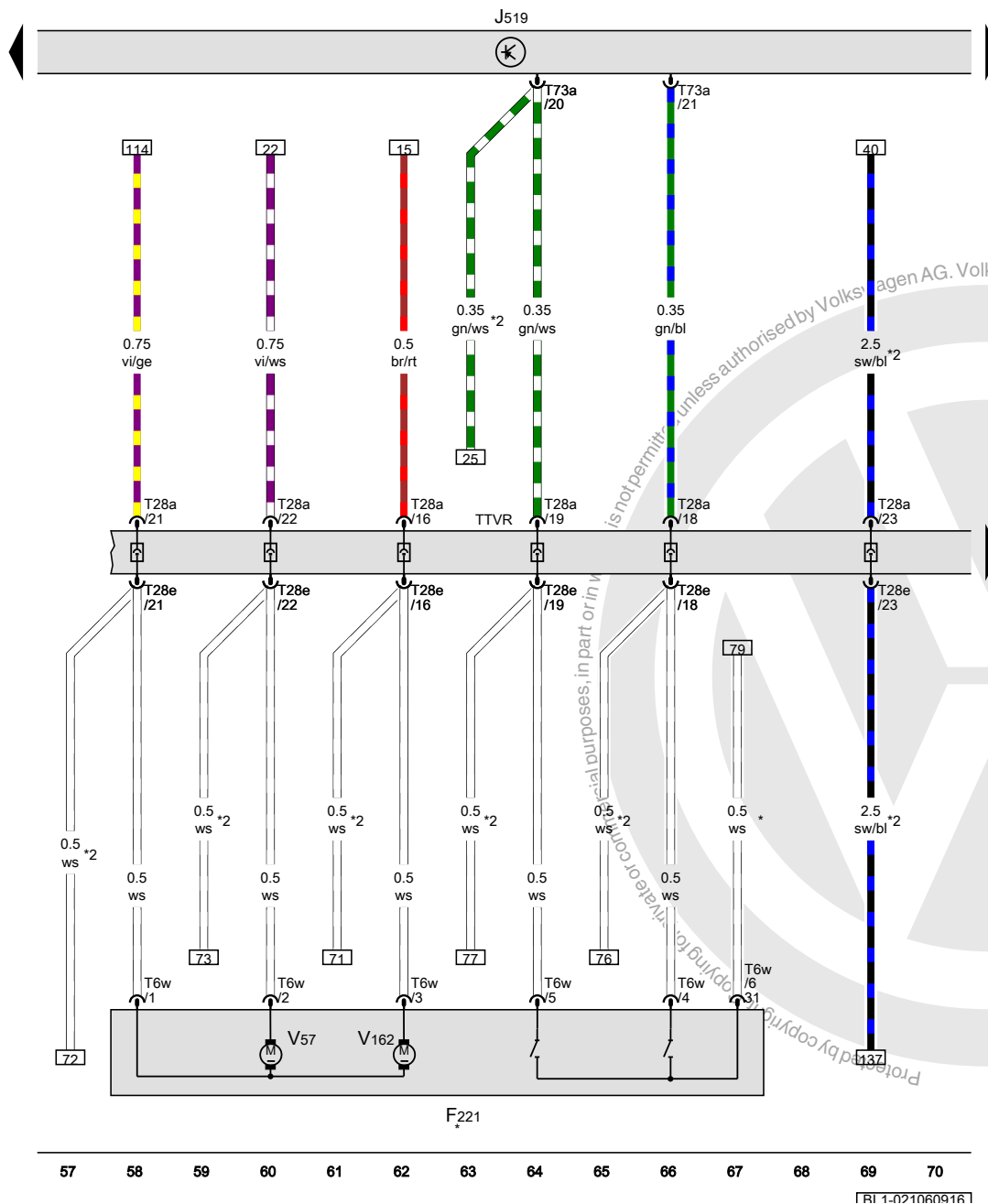
- B284 Positive connection 8 (15a) in main wiring harness
- R27 Connection (mirror adjustment), in driver door wiring harness
- \* Only right-hand drive models



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

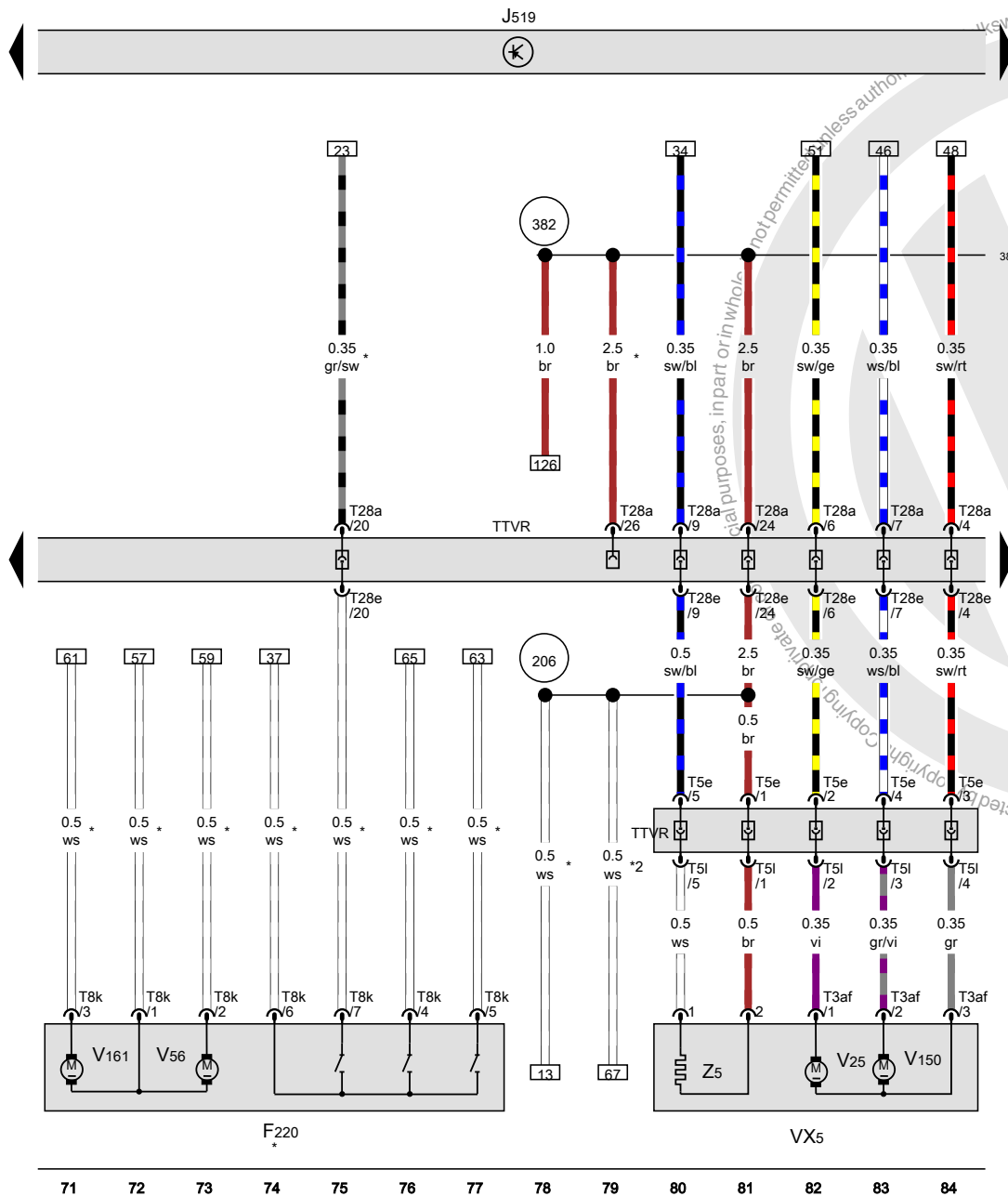
Front passenger side central locking lock unit, Onboard supply control unit

- F221 Front passenger side central locking lock unit, in front passenger door  
 J519 Onboard supply control unit, on dash panel insert  
 T6w 6-pin connector, black  
 T28a 28-pin connector  
 T28e 28-pin connector  
 T73a 73-pin connector, black  
 TTVR Coupling point for front right door  
 V57 Front passenger door central locking motor  
 V162 Front passenger door central locking SAFELOCK function motor  
 \* Only left-hand drive models  
 \*2 Only right-hand drive models





Driver side central locking lock unit, Onboard supply control unit, Front passenger side exterior mirror



- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T3af 3-pin connector, black
- T5e 5-pin connector
- T5l 5-pin connector
- T8k 8-pin connector
- T28a 28-pin connector
- T28e 28-pin connector
- TTVR Coupling point for front right door
- VX5 Front passenger side exterior mirror, in front passenger door
- V25 Front passenger side mirror adjustment motor 2
- V56 Driver door central locking motor
- V150 Front passenger side mirror adjustment motor
- V161 Driver door central locking SAFELock function motor
- Z5 Heated exterior mirror on front passenger side

206 Earth connection, in front passenger door wiring harness

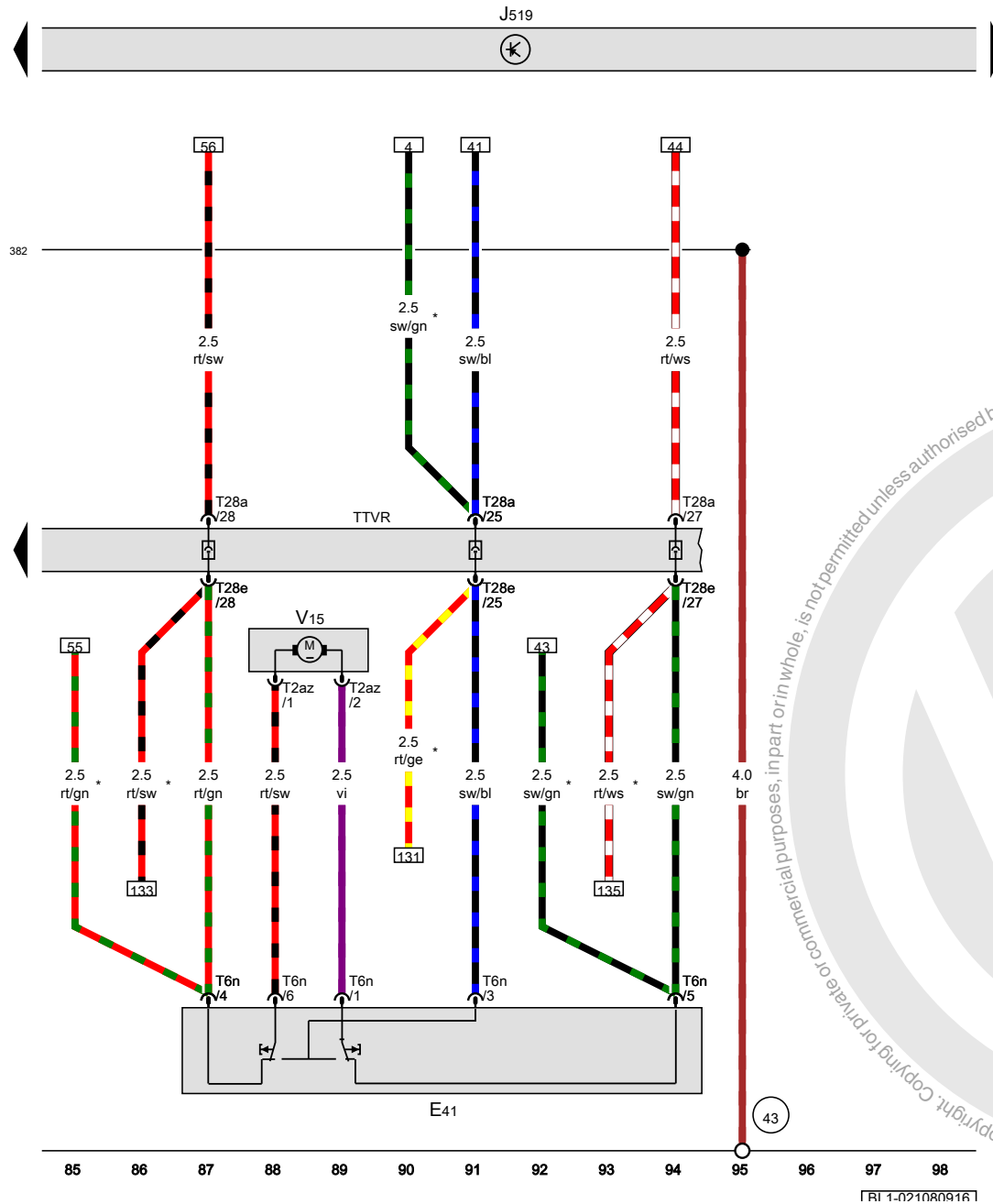
382 Earth connection 17, in main wiring harness

\* Only right-hand drive models

\*2 Only left-hand drive models

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

Front right window regulator switch, Onboard supply control unit, Right window regulator motor



- E41 Front right window regulator switch, in front passenger door
- J519 Onboard supply control unit, on dash panel insert
- T2az 2-pin connector, black
- T6n 6-pin connector, black
- T28a 28-pin connector
- T28e 28-pin connector
- TTVR Coupling point for front right door
- V15 Right window regulator motor, in front passenger door

43 Earth point, lower part of right A-pillar

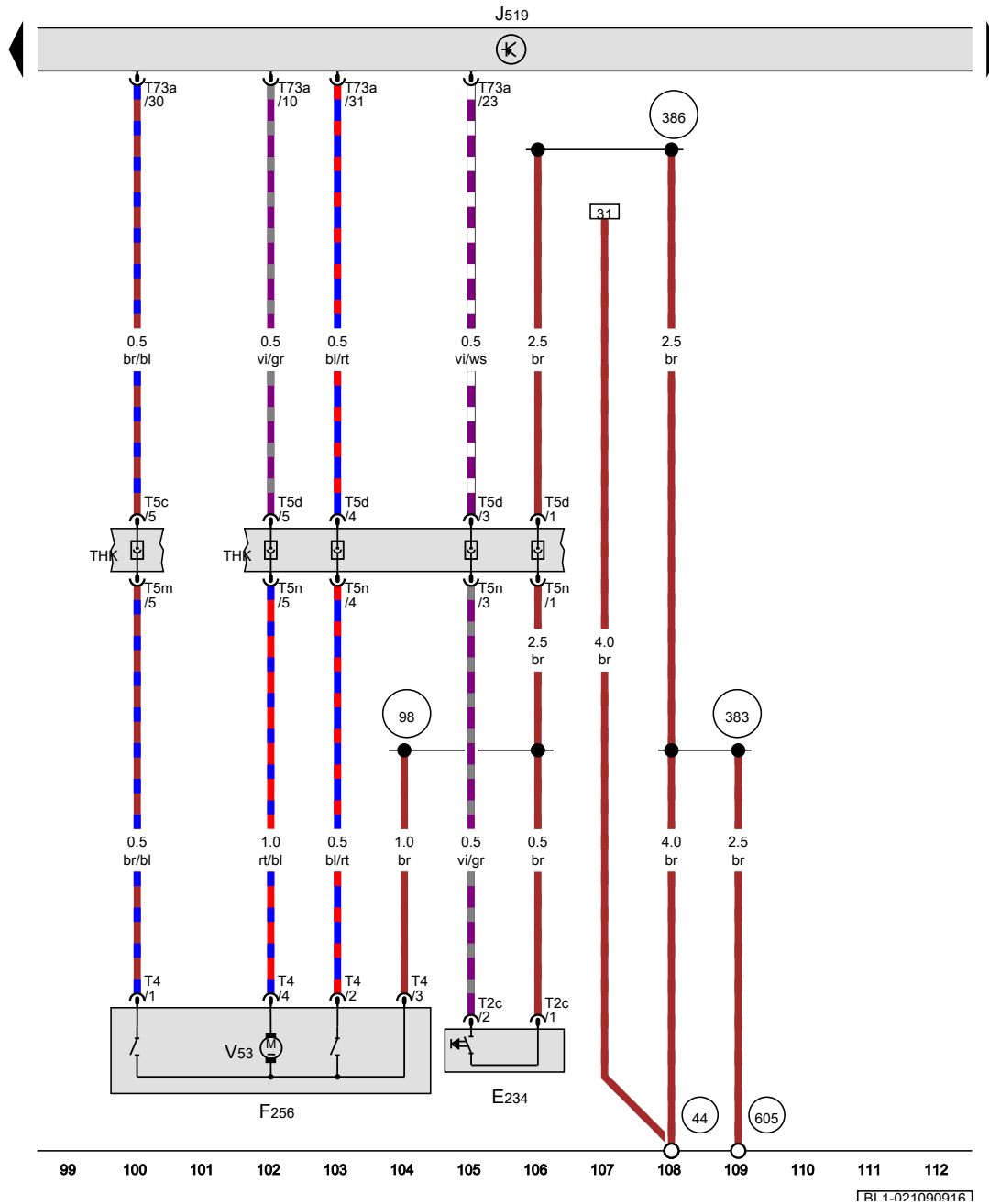
382 Earth connection 17, in main wiring harness

\* Only right-hand drive models

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- sw = black
- ro = red
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- gn = green
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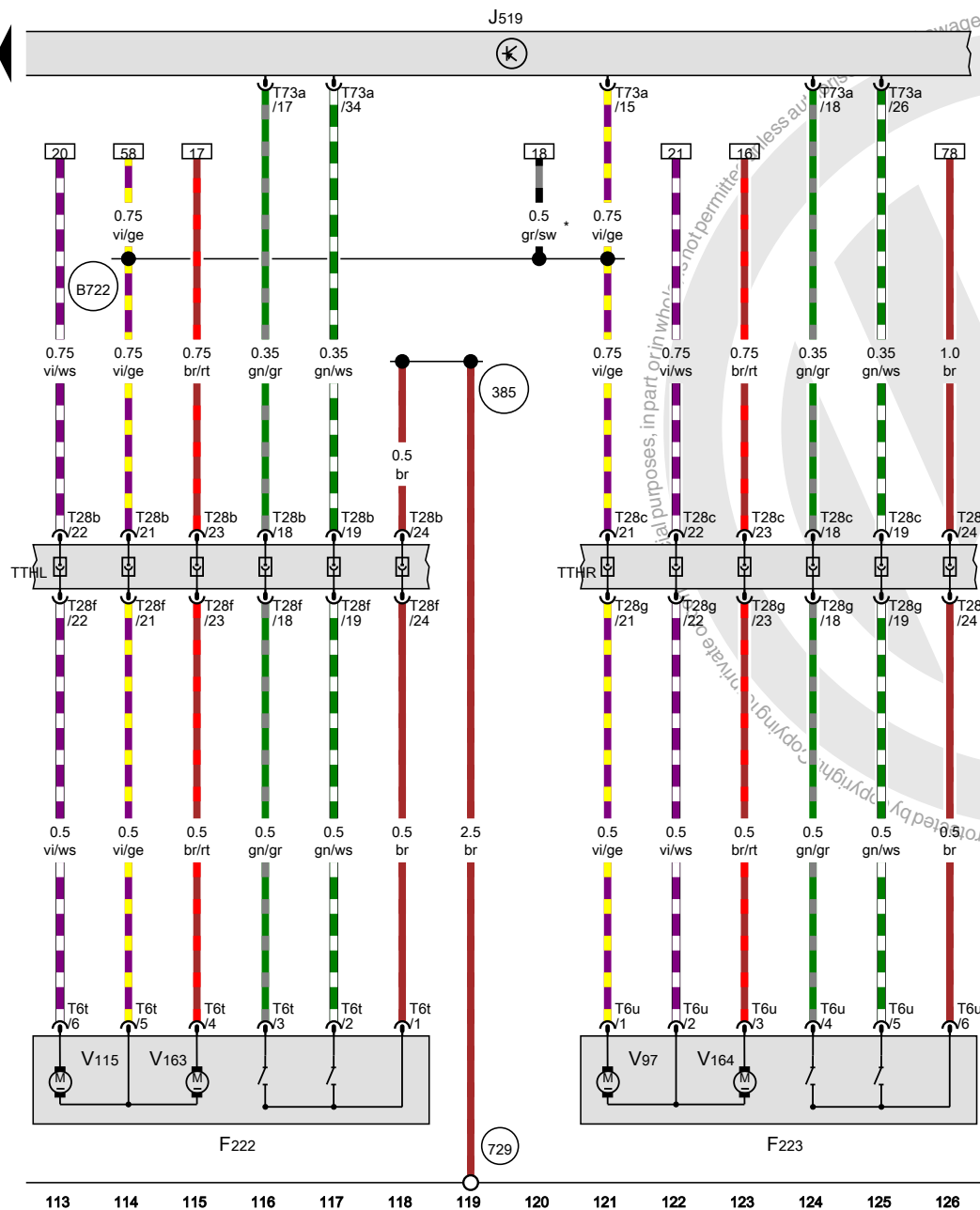
1-021080916

Rear lid handle release button, Rear lid lock unit, Onboard supply control unit



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

Rear left central locking lock unit, Rear right central locking lock unit, Onboard supply control unit



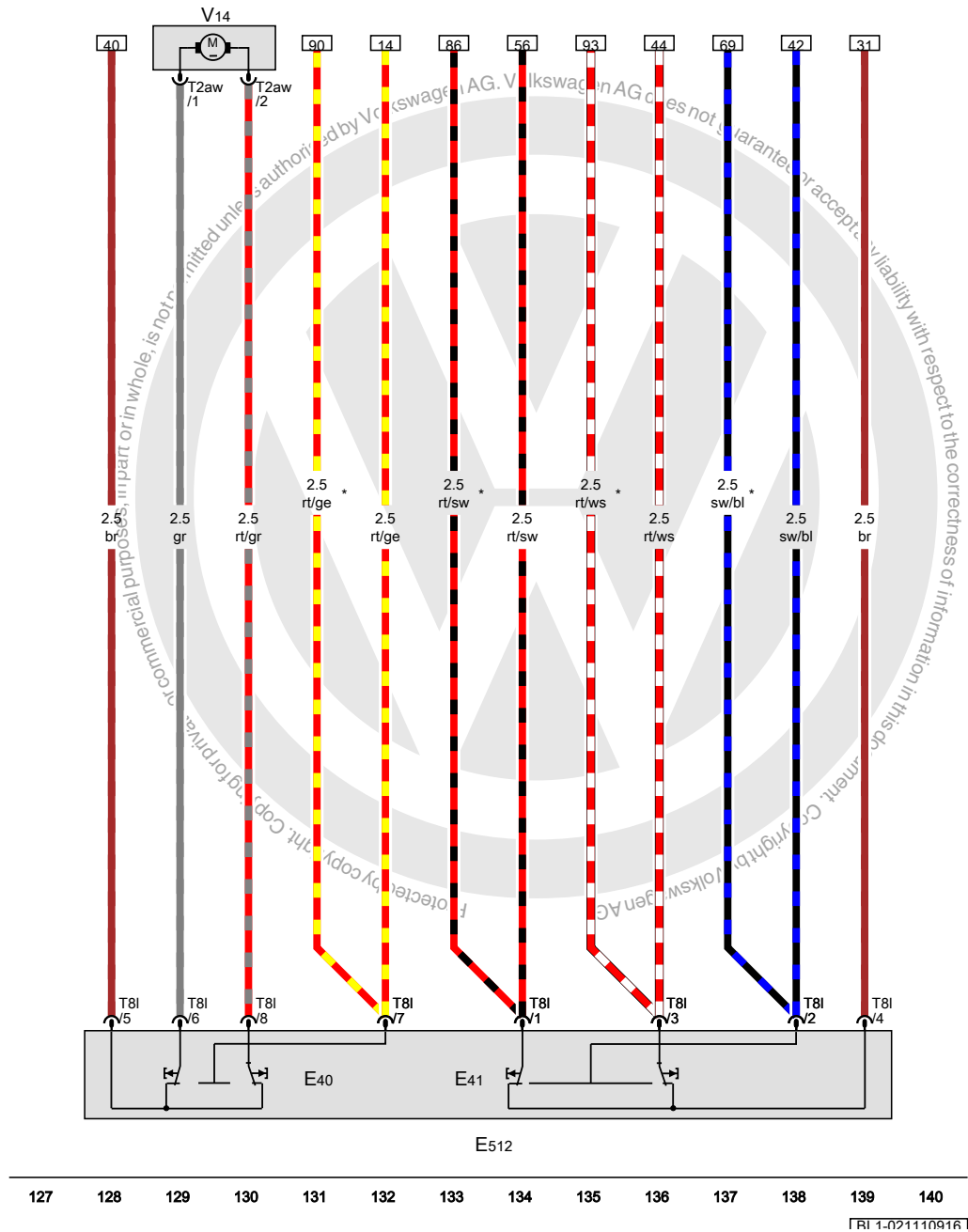
- F222 Rear left central locking lock unit, in rear left door
- F223 Rear right central locking lock unit, in rear right door
- J519 Onboard supply control unit, on dash panel insert
- T6t 6-pin connector, black
- T6u 6-pin connector, black
- T28b 28-pin connector
- T28c 28-pin connector
- T28f 28-pin connector, black
- T28g 28-pin connector
- T73a 73-pin connector, black
- TTHL Coupling point for rear left door
- TTHR Coupling point for rear right door
- V97 Rear right door central locking motor
- V115 Rear left door central locking motor
- V163 Rear left door central locking SAFELOCK function motor
- V164 Rear right door central SAFELOCK function locking motor

- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- B722 Connection 3 (central locking), in main wiring harness
- \* Only right-hand drive models

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 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
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Operating unit for window regulator in driver door, Left  
window regulator motor

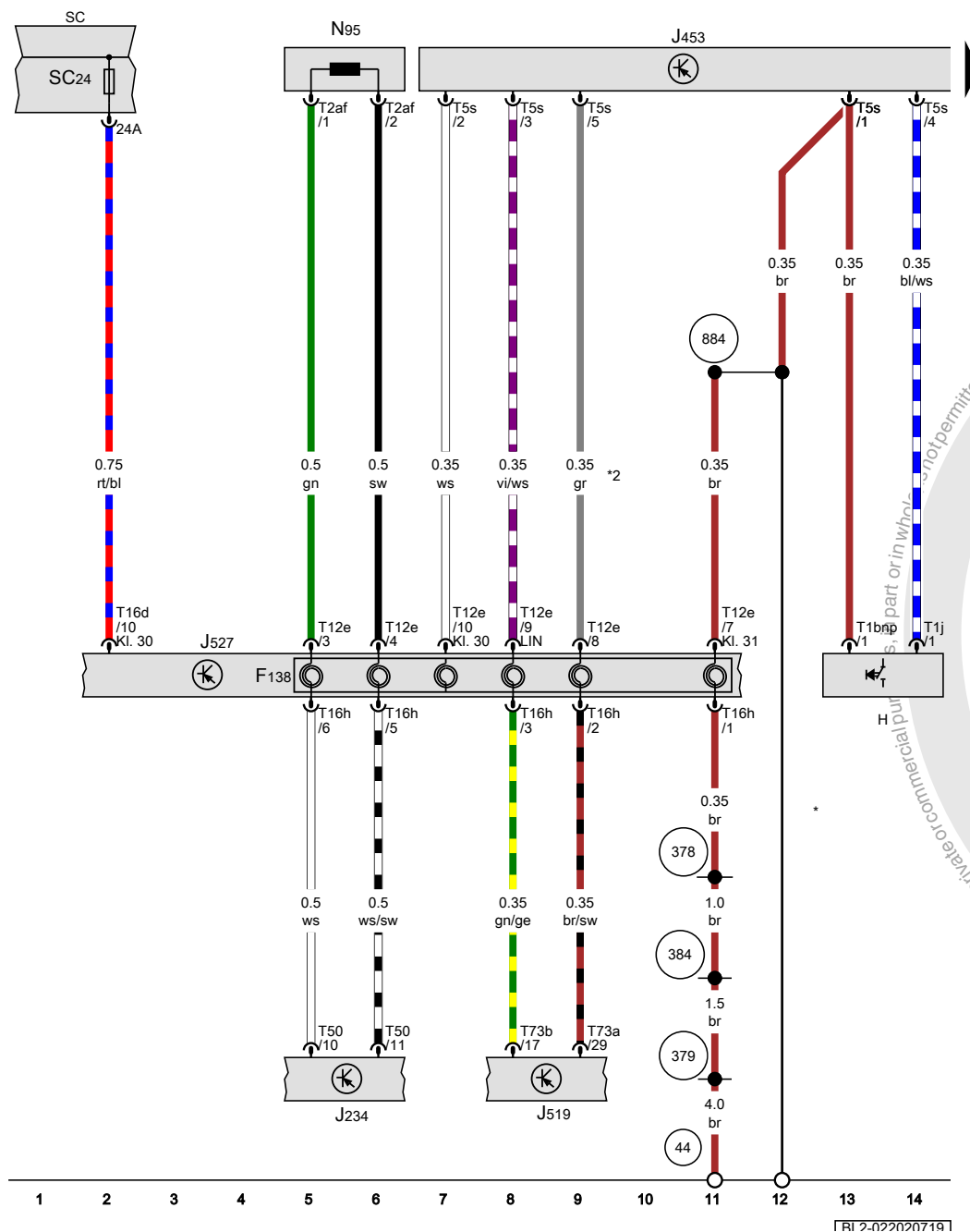
- E40 Front left window regulator switch
- E41 Front right window regulator switch
- E512 Operating unit for window regulator in driver door, in driver door
- T2aw 2-pin connector, black
- T8l 8-pin connector, black
- V14 Left window regulator motor, in driver door
- \* Only right-hand drive models



## Multifunction steering wheel , (2ZH)

From August 2016





Horn plate, Airbag control unit, Multifunction steering wheel control unit, Onboard supply control unit, Steering column electronics control unit, Airbag igniter on driver side, Fuse holder C

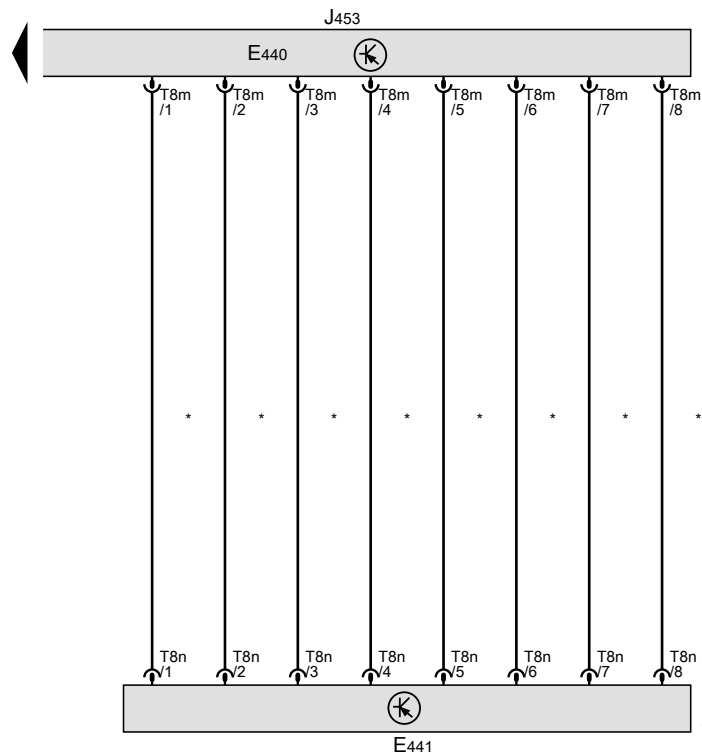
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N95 Airbag igniter on driver side
- SC Fuse holder C
- SC24 Fuse 24 on fuse holder C
- T1bnp 1-pin connector, Terminal
- T1j 1-pin connector, Terminal
- T2af 2-pin connector, black
- T5s 5-pin connector, black
- T12e 12-pin connector, white
- T16d 16-pin connector, black
- T16h 16-pin connector, black
- T50 50-pin connector, yellow
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

- 44 Earth point, lower part of left A-pillar
- 378 Earth connection 13, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- 884 Earth connection 1 in steering wheel wiring harness
- \* Earth supply via housing
- \*2 For models with cruise control system (CCS)

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
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 or = orange  
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Multifunction buttons on left in steering wheel, Multifunction buttons on right in steering wheel, Multifunction steering wheel control unit

- E440 Multifunction buttons on left in steering wheel
- E441 Multifunction buttons on right in steering wheel
- J453 Multifunction steering wheel control unit
- T8m 8-pin connector, black
- T8n 8-pin connector, black
- \* Adapter wire

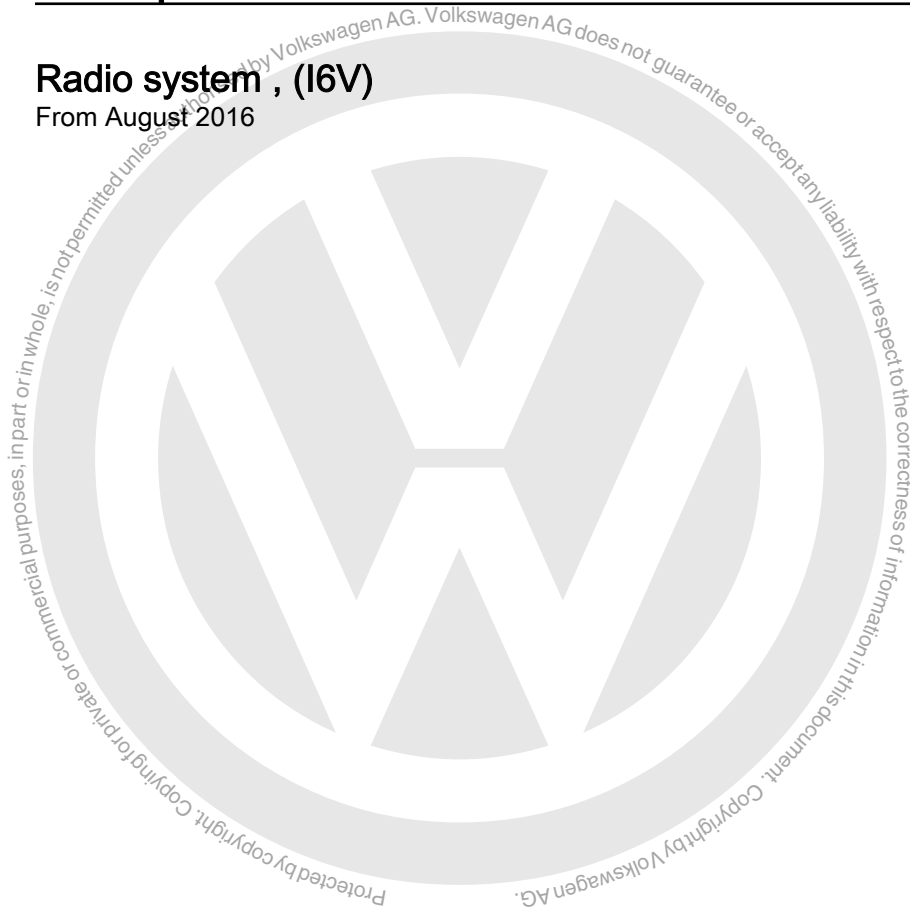


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- ge = yellow
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- rs = pink



## Radio system , (I6V)

From August 2016

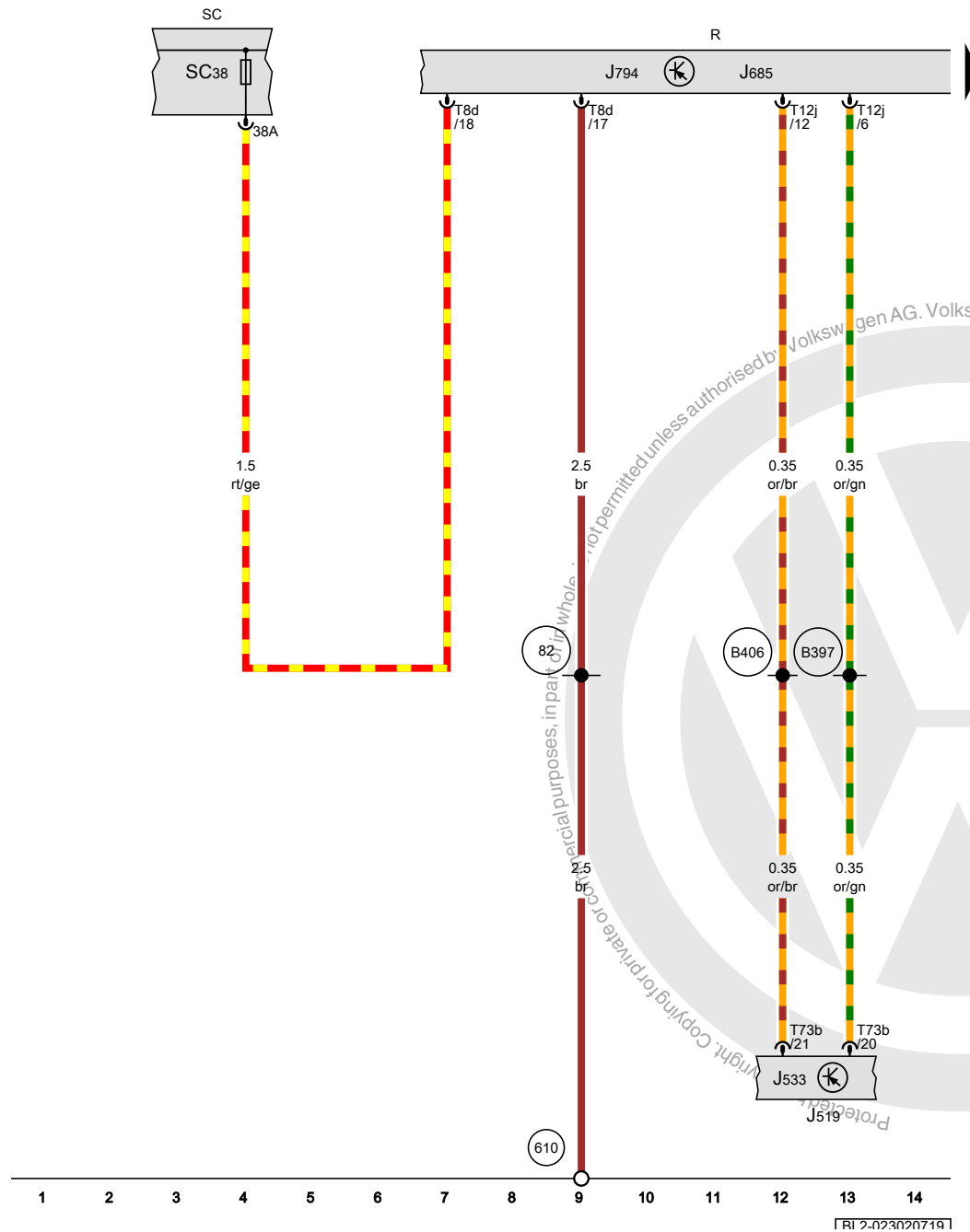


Onboard supply control unit, Radio, Fuse holder C

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R Radio
- SC Fuse holder C
- SC38 Fuse 38 on fuse holder C
- T8d 8-pin connector, black
- T12j 12-pin connector, grey
- T73b 73-pin connector, colourless

- 82 Earth connection 1, in front left wiring harness
- 610 Earth point (audio), front below centre console
- 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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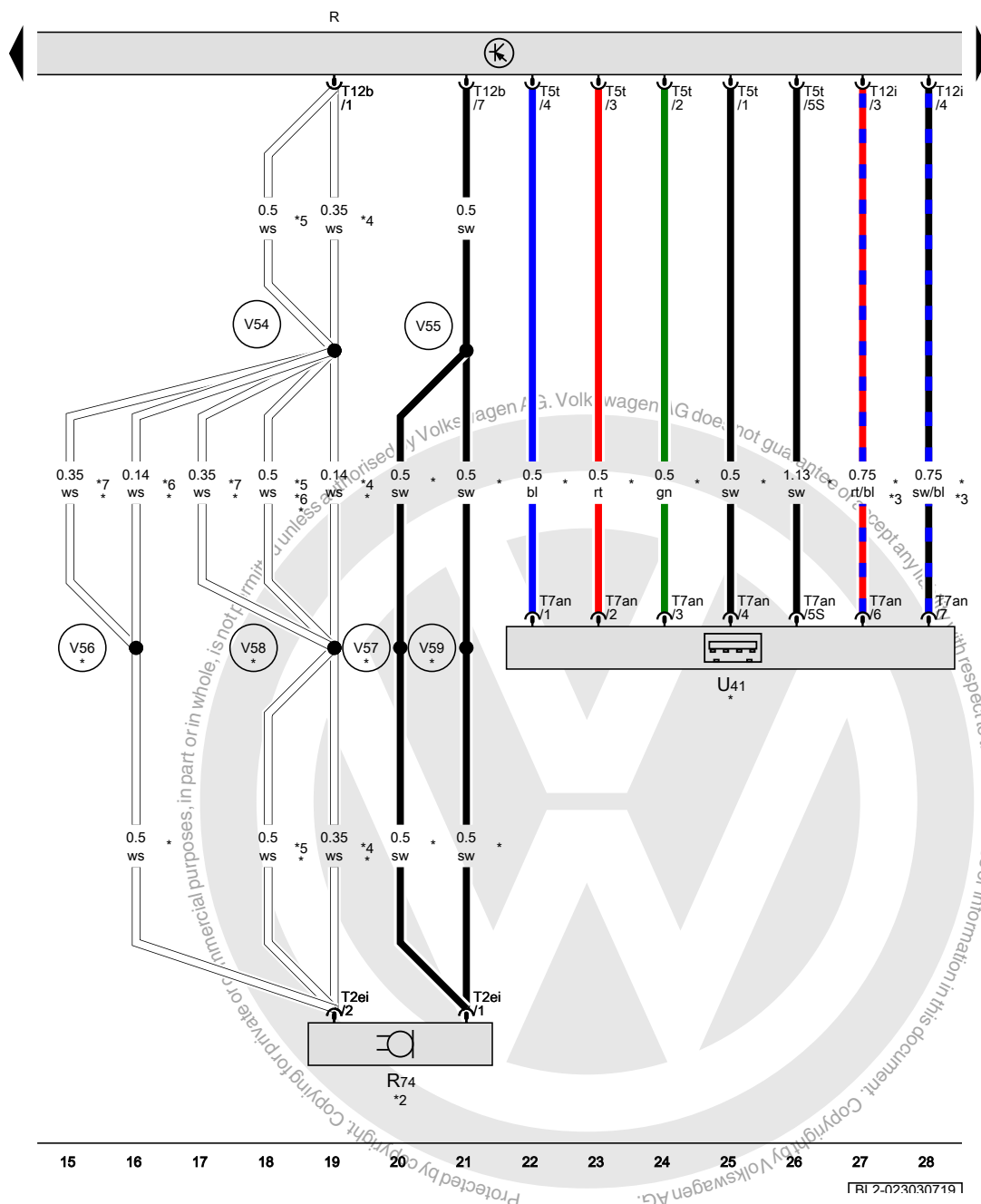
Radio, Internal microphone, USB connection 1

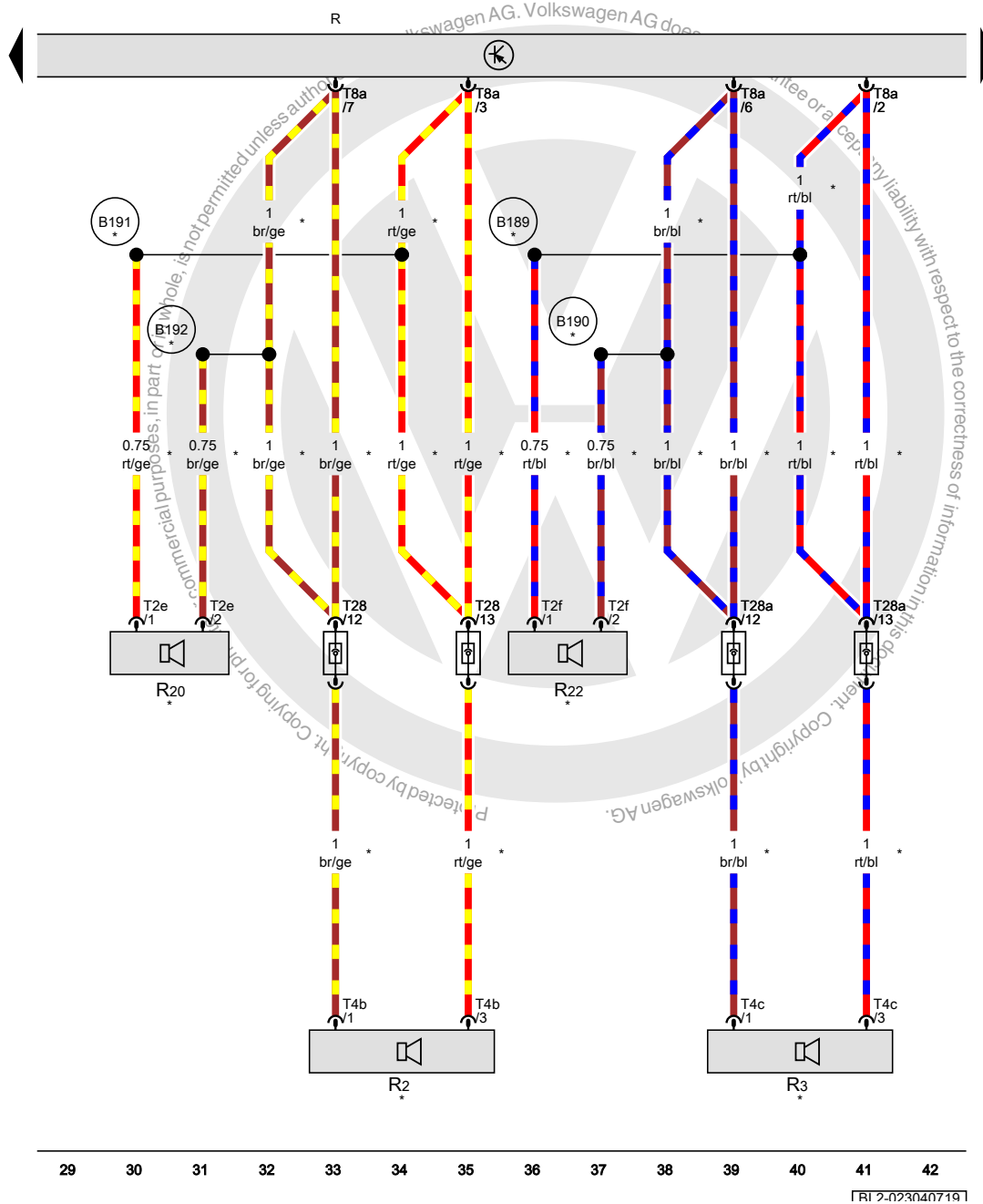
R Radio  
 R74 Internal microphone  
 T2ei 2-pin connector, black  
 T5t 5-pin connector, yellow  
 T7an 7-pin connector, black  
 T12b 12-pin connector, blue  
 T12i 12-pin connector, green  
 U41 USB connection 1

V54 Connection 1 (telephone), in main wiring harness  
 V55 Connection 2 (telephone), in main wiring harness  
 V56 Connection 3 (telephone), in main wiring harness  
 V57 Connection 4 (telephone), in main wiring harness  
 V58 Connection 5 (telephone), in main wiring harness  
 V59 Connection 6 (telephone), in main wiring harness

\* According to equipment  
 \*2 Pre-wired component  
 \*3 Different wire colour possible  
 \*4 Up to May 2017  
 \*5 From May 2017  
 \*6 Up to July 2018  
 \*7 From July 2018

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





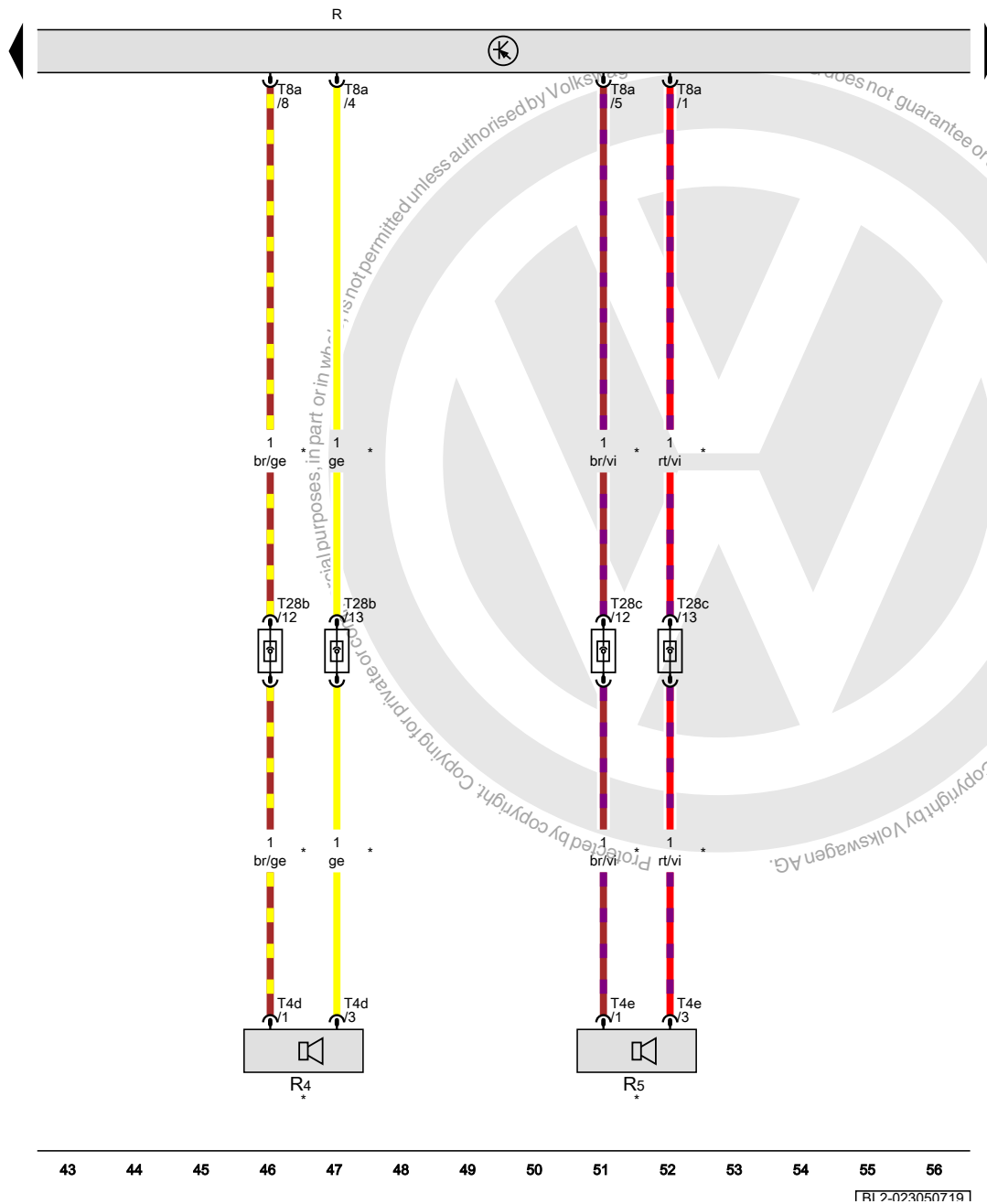
Radio, Front left loudspeaker, Front right loudspeaker, Front left treble loudspeaker, Front right treble loudspeaker

- R Radio
- R2 Front left loudspeaker
- R3 Front right loudspeaker
- R20 Front left treble loudspeaker
- R22 Front right treble loudspeaker
- T2e 2-pin connector, black
- T2f 2-pin connector, black
- T4b 4-pin connector, black
- T4c 4-pin connector, black
- T8a 8-pin connector, brown
- T28 28-pin connector, black
- T28a 28-pin connector, black
- B189 Connection (positive, front right loudspeaker), in interior wiring harness
- B190 Connection (negative, front right loudspeaker), in interior wiring harness
- B191 Connection (positive, front left loudspeaker), in interior wiring harness
- B192 Connection (negative, front left loudspeaker), 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

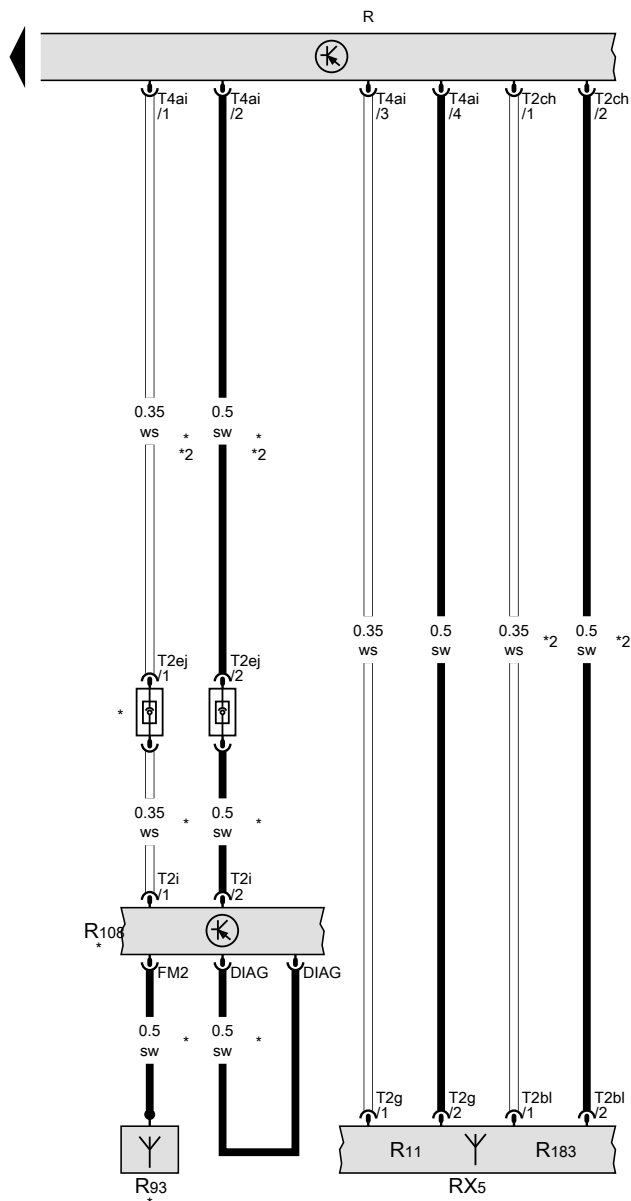
Radio, Rear left loudspeaker, Rear right loudspeaker

- R Radio
- R4 Rear left loudspeaker
- R5 Rear right loudspeaker
- T4d 4-pin connector, black
- T4e 4-pin connector, black
- T8a 8-pin connector, brown
- T28b 28-pin connector, grey
- T28c 28-pin connector, grey
- \* 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

Radio, Roof aerial, Radio aerial 2, Left aerial module

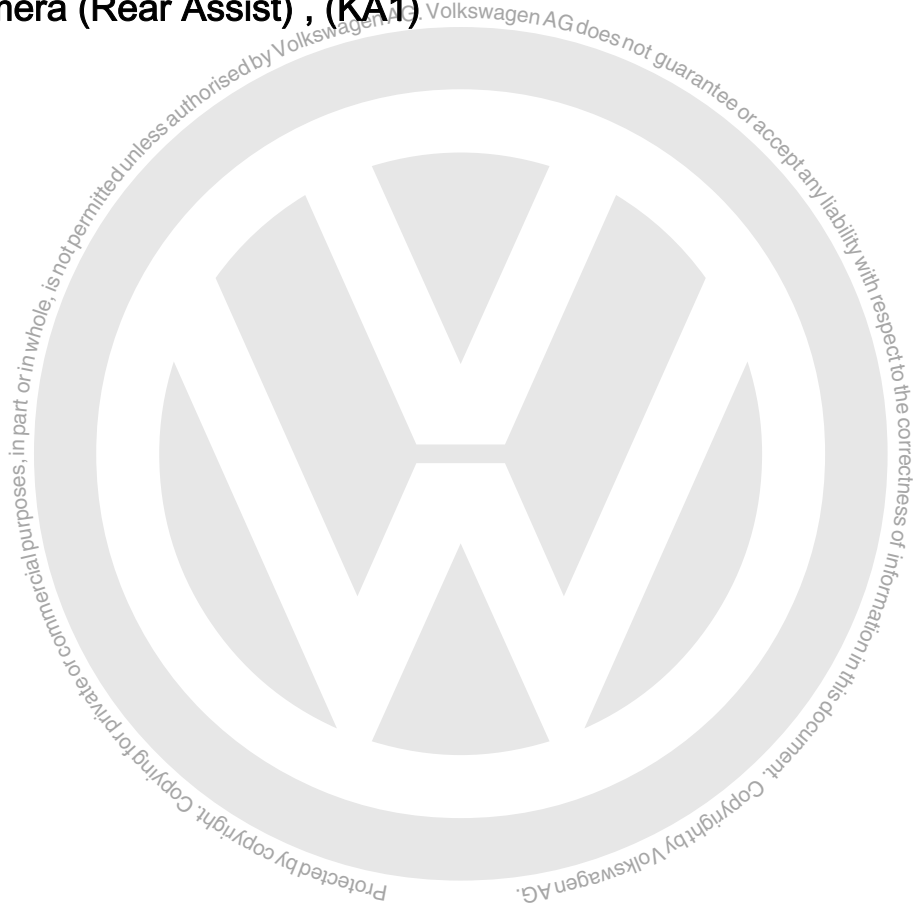


- R Radio
- RX5 Roof aerial
- R11 Aerial
- R93 Radio aerial 2
- R108 Left aerial module
- R183 Digital radio aerial
- T2bl 2-pin connector, black
- T2ch 2-pin connector, white
- T2ej 2-pin connector, green
- T2g 2-pin connector, white
- T2i 2-pin connector, colourless
- T4ai 4-pin connector, white
- \* Up to November 2017
- \*2 For models with digital radio

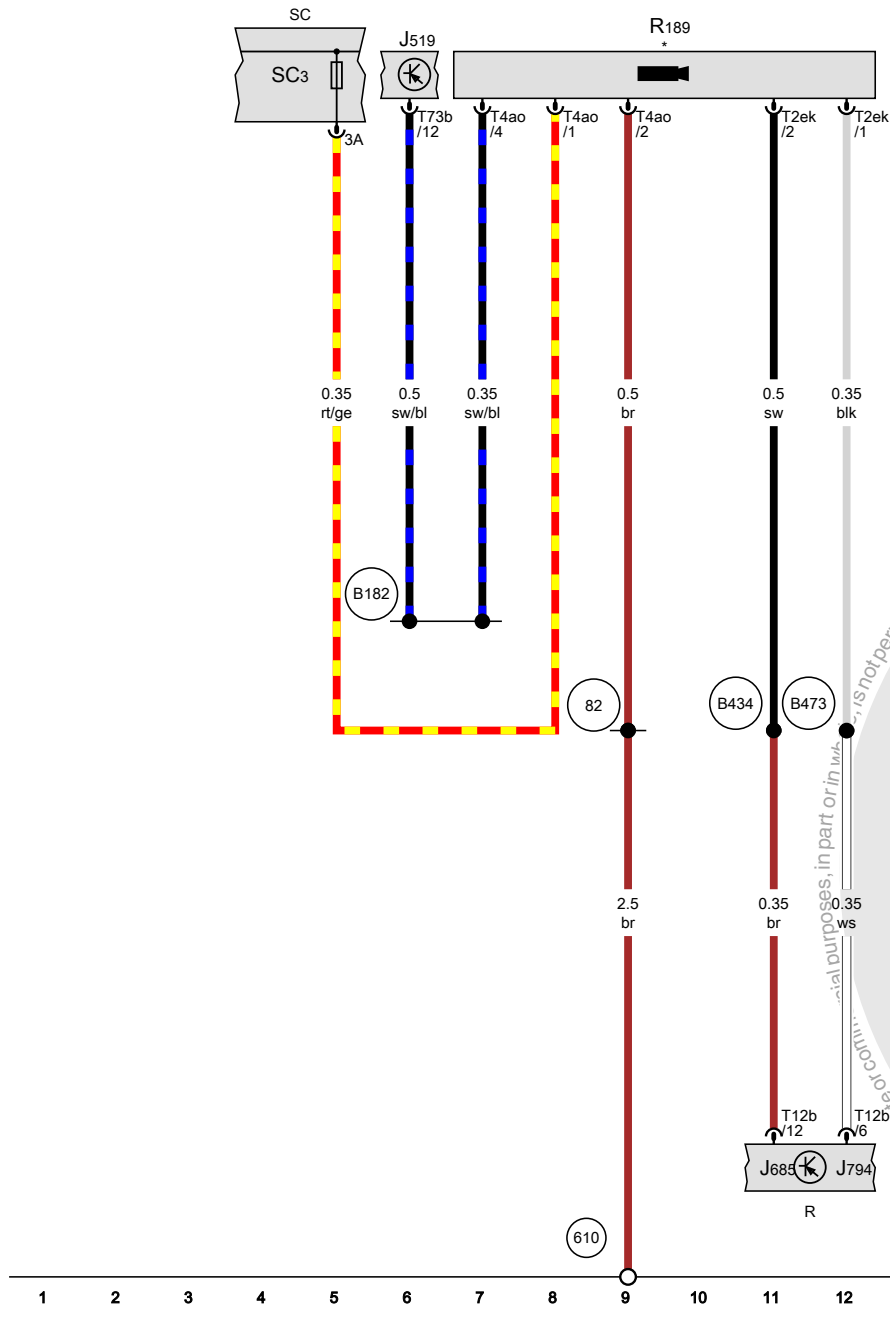
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

## Reversing camera (Rear Assist) , (KA1)

From August 2016



Onboard supply control unit, Radio, Reversing camera, Fuse holder C



- J519 Onboard supply control unit
- J685 Display unit for front information display and operating unit control unit
- J794 Control unit 1 for information electronics
- R Radio
- R189 Reversing camera
- SC Fuse holder C
- SC3 Fuse 3 on fuse holder C
- T2ek 2-pin connector, white
- T4ao 4-pin connector, black
- T12b 12-pin connector, blue
- T73b 73-pin connector, colourless

- 82 Earth connection 1, in front left wiring harness
- 610 Earth point (audio), front below centre console
- B182 Connection (RL), in interior wiring harness
- B434 Connection 1 (screen), in main wiring harness
- B473 Connection 9, in main wiring harness
- \* Pre-wired component

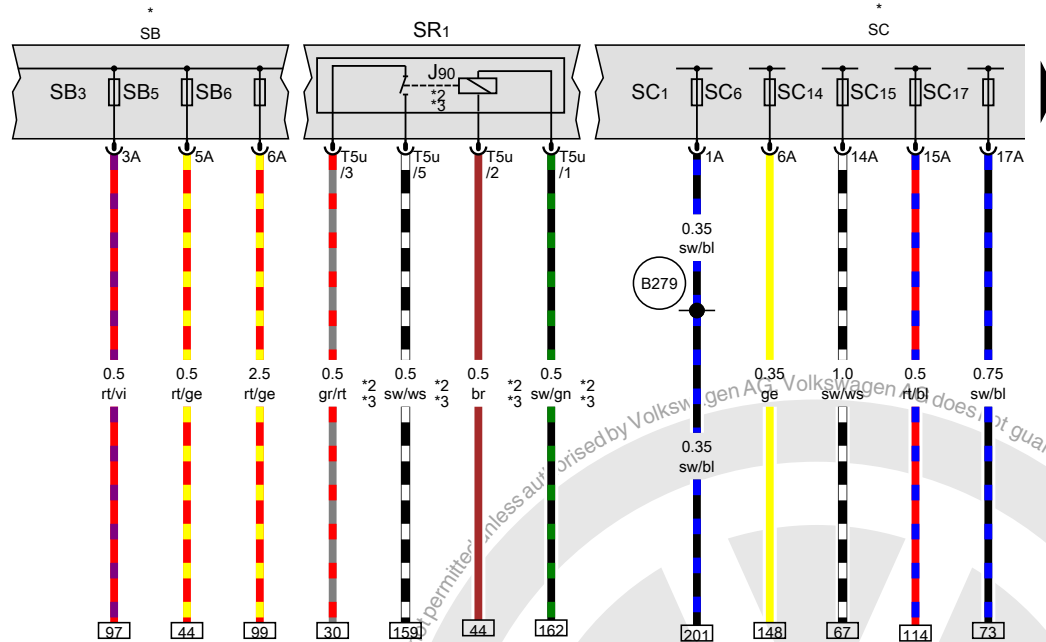
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



## Basic equipment

From August 2016





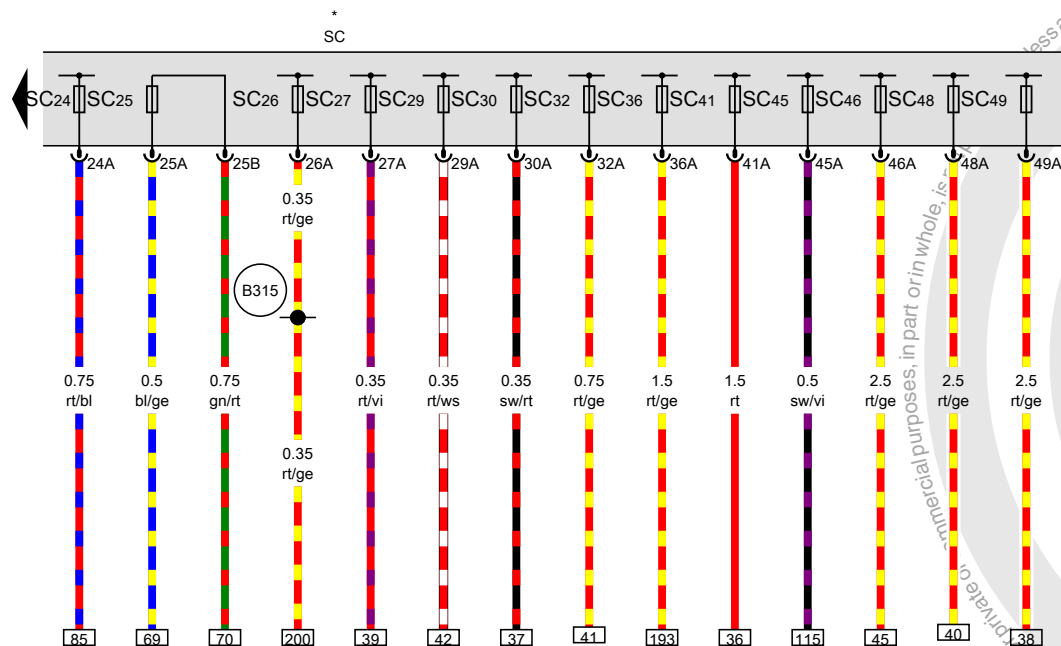
Daytime running light switch-on relay, Fuse holder B, Fuse holder C, Relay and fuse carrier 1

- J90 Daytime running light switch-on relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SR1 Relay and fuse carrier 1
- SC6 Fuse 6 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T5u 5-pin connector, black

B279 Positive connection 3 (15a) in main wiring harness

- \* see applicable current flow diagram for fuse assignment
- \*2 Up to November 2016
- \*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



### Fuse holder C

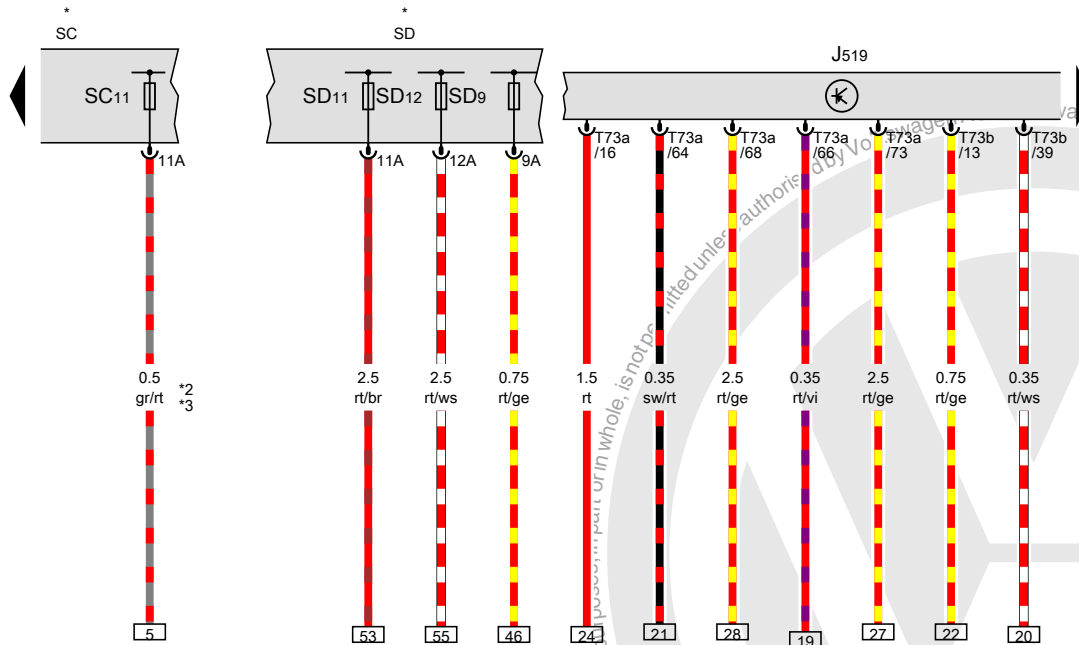
SC	Fuse holder C
SC24	Fuse 24 on fuse holder C
SC25	Fuse 25 on fuse holder C
SC26	Fuse 26 on fuse holder C
SC27	Fuse 27 on fuse holder C
SC29	Fuse 29 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC36	Fuse 36 on fuse holder C
SC41	Fuse 41 on fuse holder C
SC45	Fuse 45 on fuse holder C
SC46	Fuse 46 on fuse holder C
SC48	Fuse 48 on fuse holder C
SC49	Fuse 49 on fuse holder C

B315 Positive connection 1 (30a) in main wiring harness

\* see applicable current flow diagram for fuse assignment

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

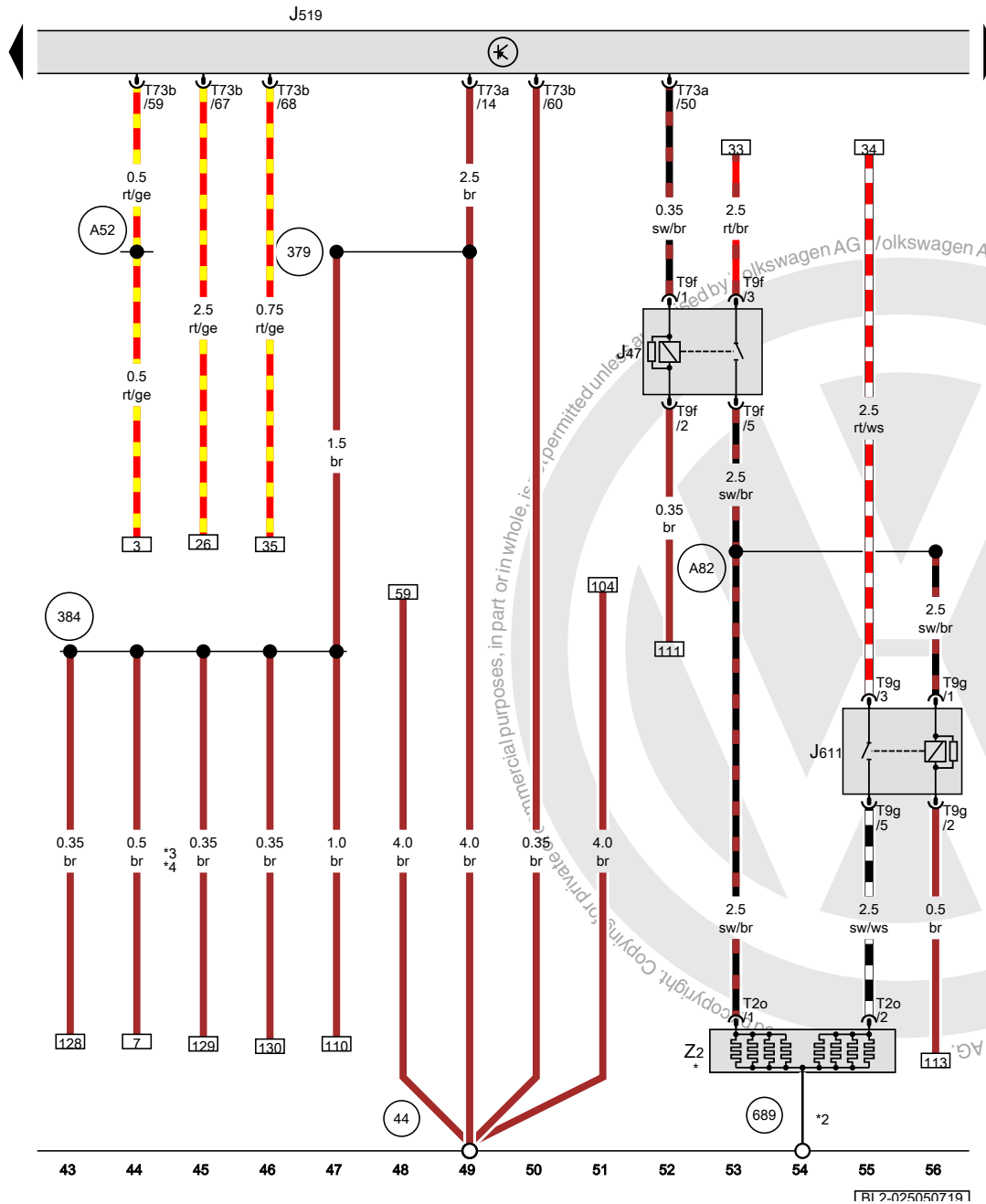
Onboard supply control unit, Fuse holder C, Fuse holder D



- J519 Onboard supply control unit
- SC Fuse holder C
- SD Fuse holder D
- SD9 Fuse 9 on fuse holder D
- SD11 Fuse 11 on fuse holder D
- SC11 Fuse 11 on fuse holder C
- SD12 Fuse 12 on fuse holder D
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- see applicable current flow diagram for fuse assignment
- \*2 Up to November 2016
- \*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

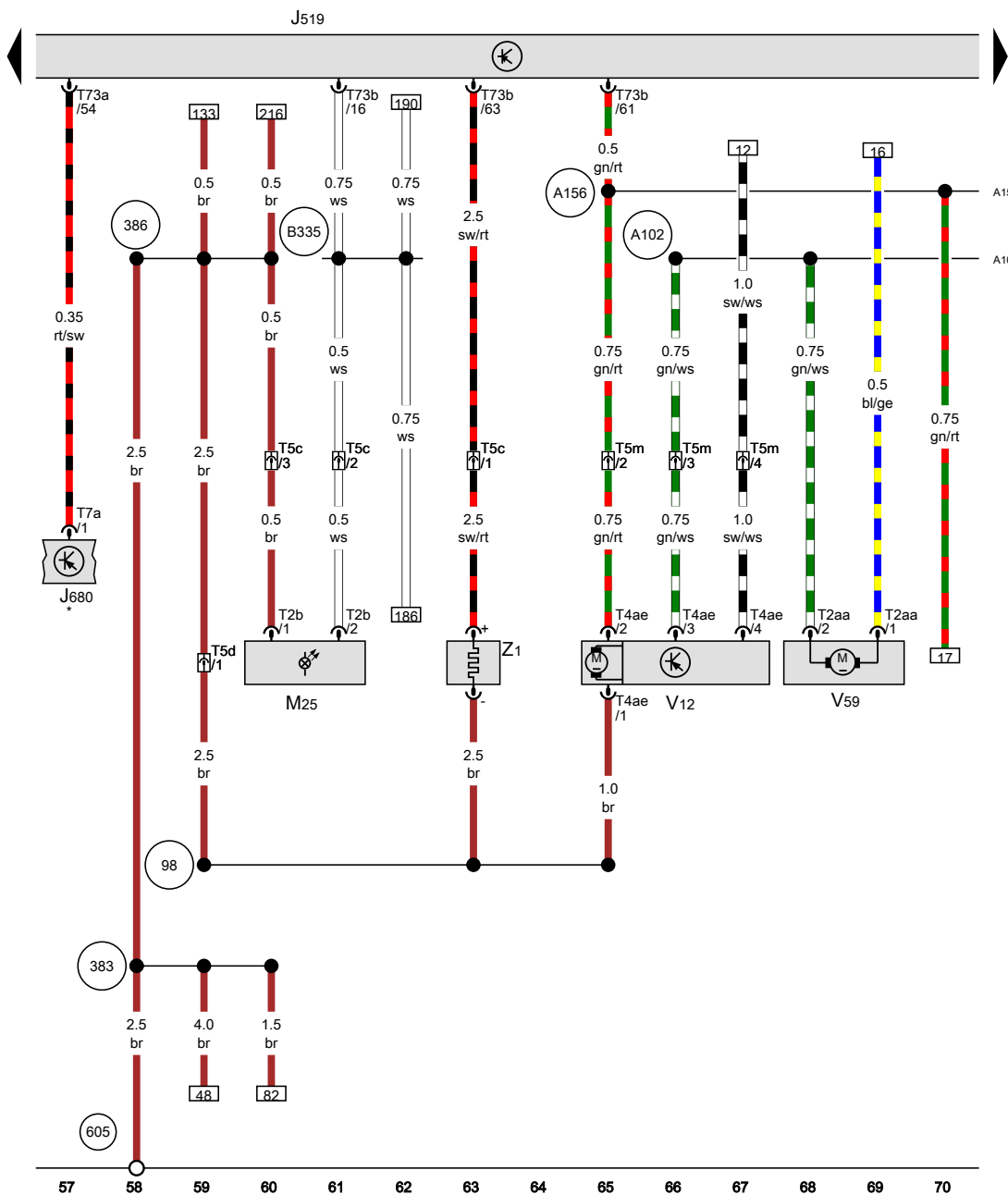
Heated windscreen relay, Onboard supply control unit,  
Heated windscreen relay 2, Heated windscreen



- J47 Heated windscreen relay
- J519 Onboard supply control unit
- J611 Heated windscreen relay 2
- T2o 2-pin connector, black
- T9f 9-pin connector, black
- T9g 9-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- Z2 Heated windscreen
- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- 689 Earth point, at front, central in roof
- A52 Positive connection 2 (30), in dash panel wiring harness
- A82 Connection (windscreen heater), in dash panel wiring harness
- \* Pre-wired component
- \*2 Earth supply via housing
- \*3 Up to November 2016
- \*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

[RI 2-025050719]



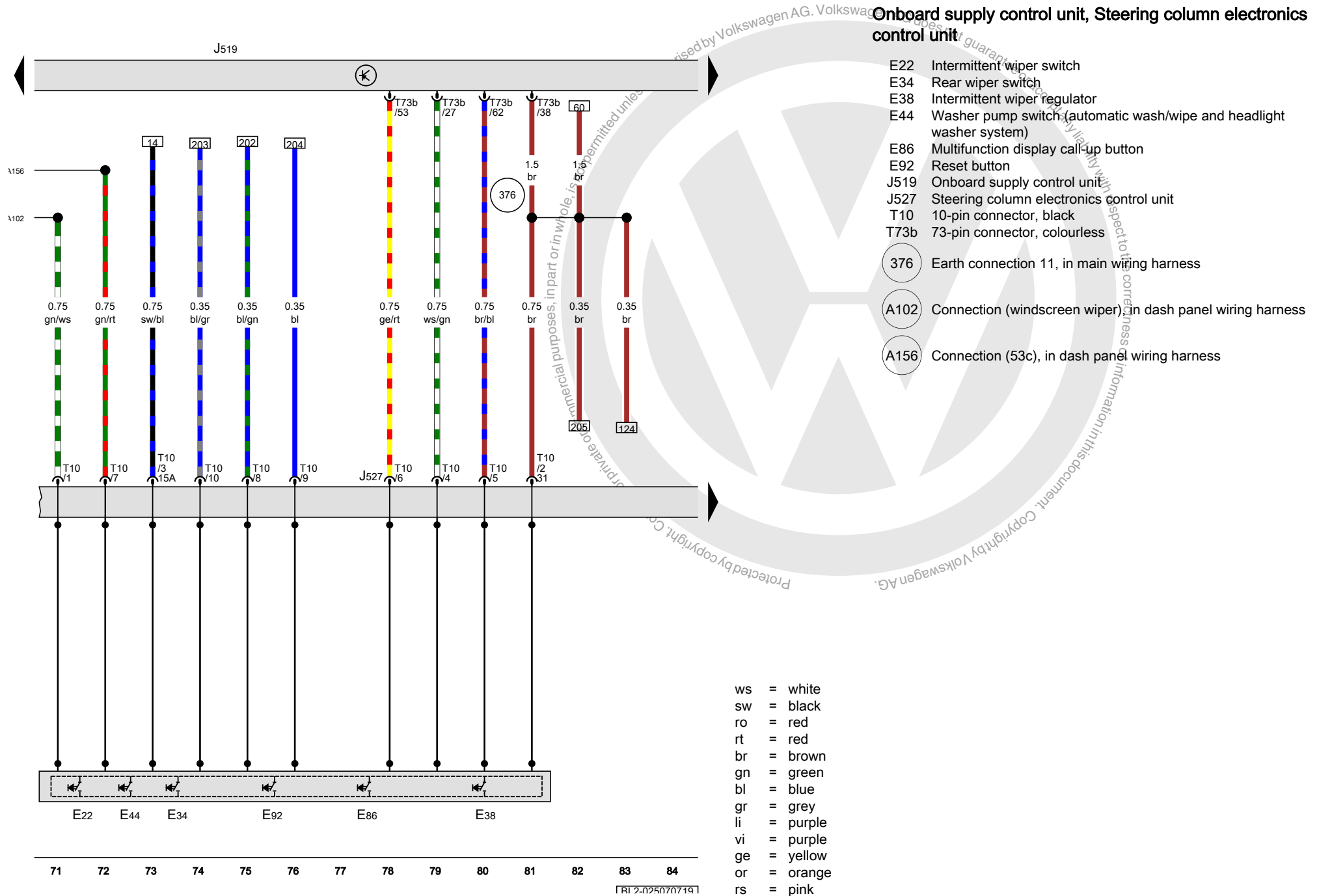
1912-0250607191

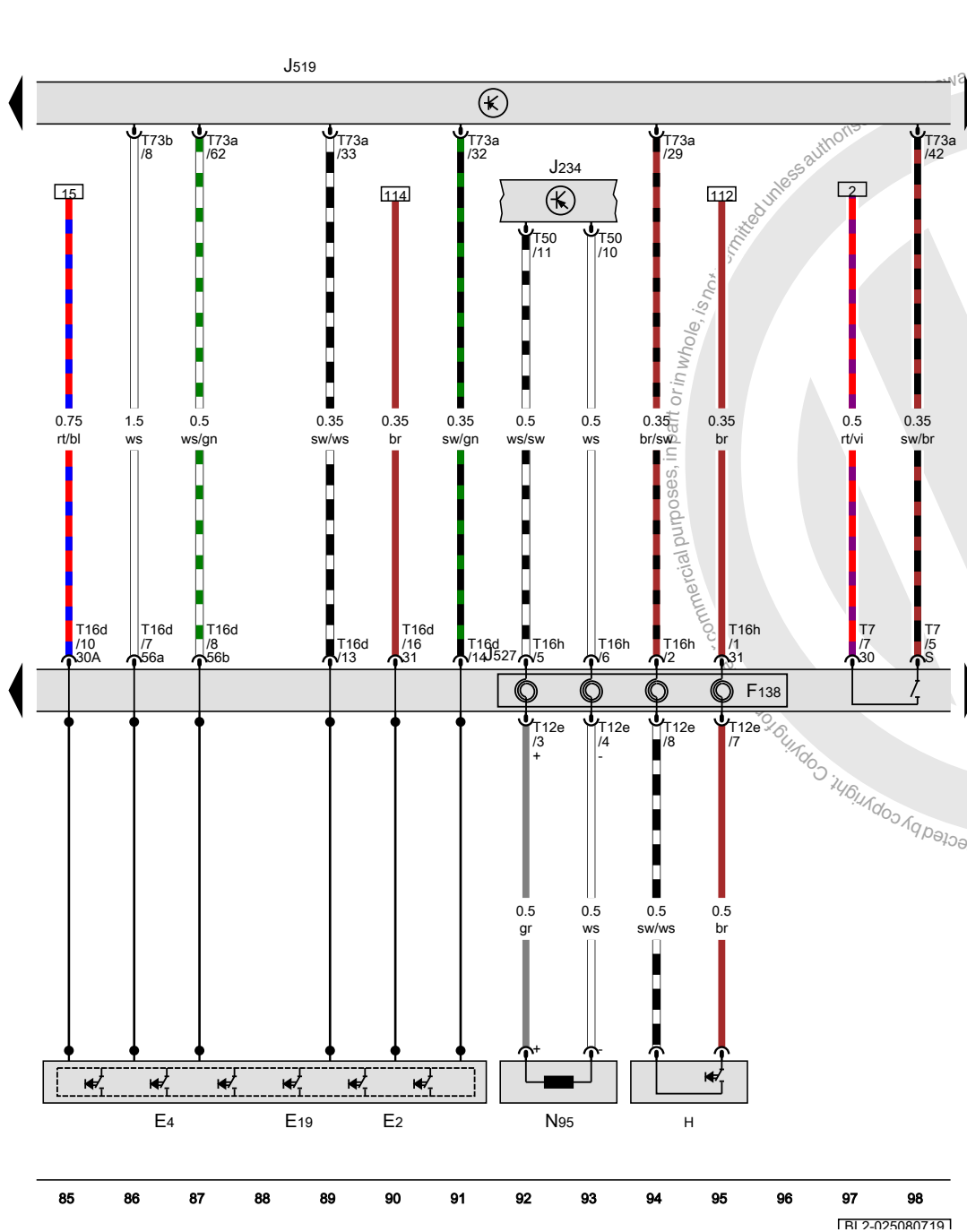
Onboard supply control unit, High-level brake light bulb, Rear window wiper motor, Windscreen and rear window washer pump, Heated rear window

- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- M25 High-level brake light bulb
- T2aa 2-pin connector, black
- T2b 2-pin connector, black
- T4ae 4-pin connector, black
- T5c 5-pin connector, in rear lid, black
- T5d 5-pin connector, black
- T5m 5-pin connector, brown
- T7a 7-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V12 Rear window wiper motor
- V59 Windscreen and rear window washer pump
- Z1 Heated rear window

- 98 Earth connection, in rear lid wiring harness
- 383 Earth connection 18, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- A102 Connection (windscreen wiper), in dash panel wiring harness
- A156 Connection (53c), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness

\* see applicable current flow diagram for fuse assignment



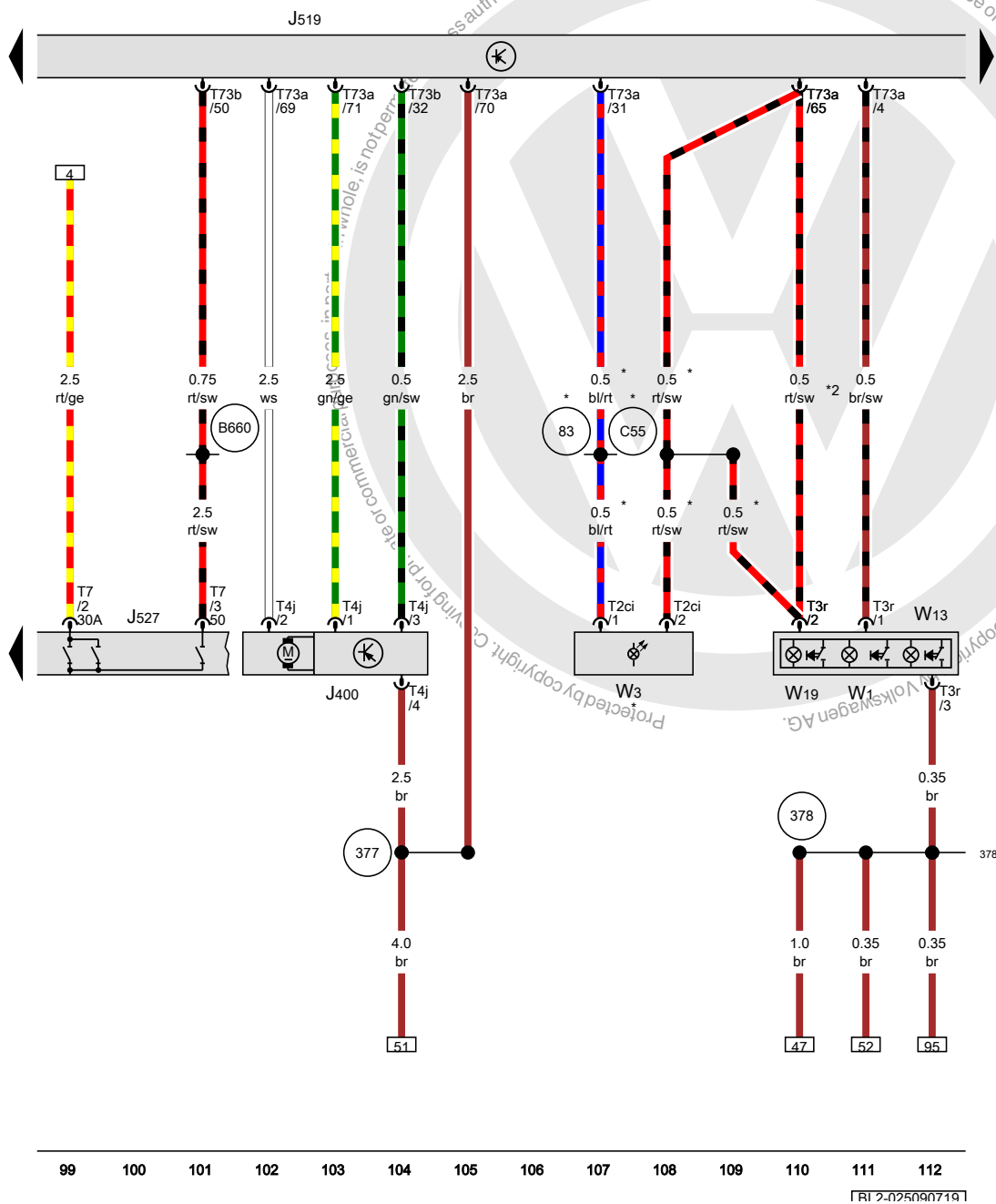


Turn signal switch, Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit, Onboard supply control unit, Steering column electronics control unit, Airbag igniter on driver side

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N95 Airbag igniter on driver side
- T7 7-pin connector, black
- T12e 12-pin connector, black
- T16d 16-pin connector, black
- T16h 16-pin connector, black
- T50 50-pin connector, green
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

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

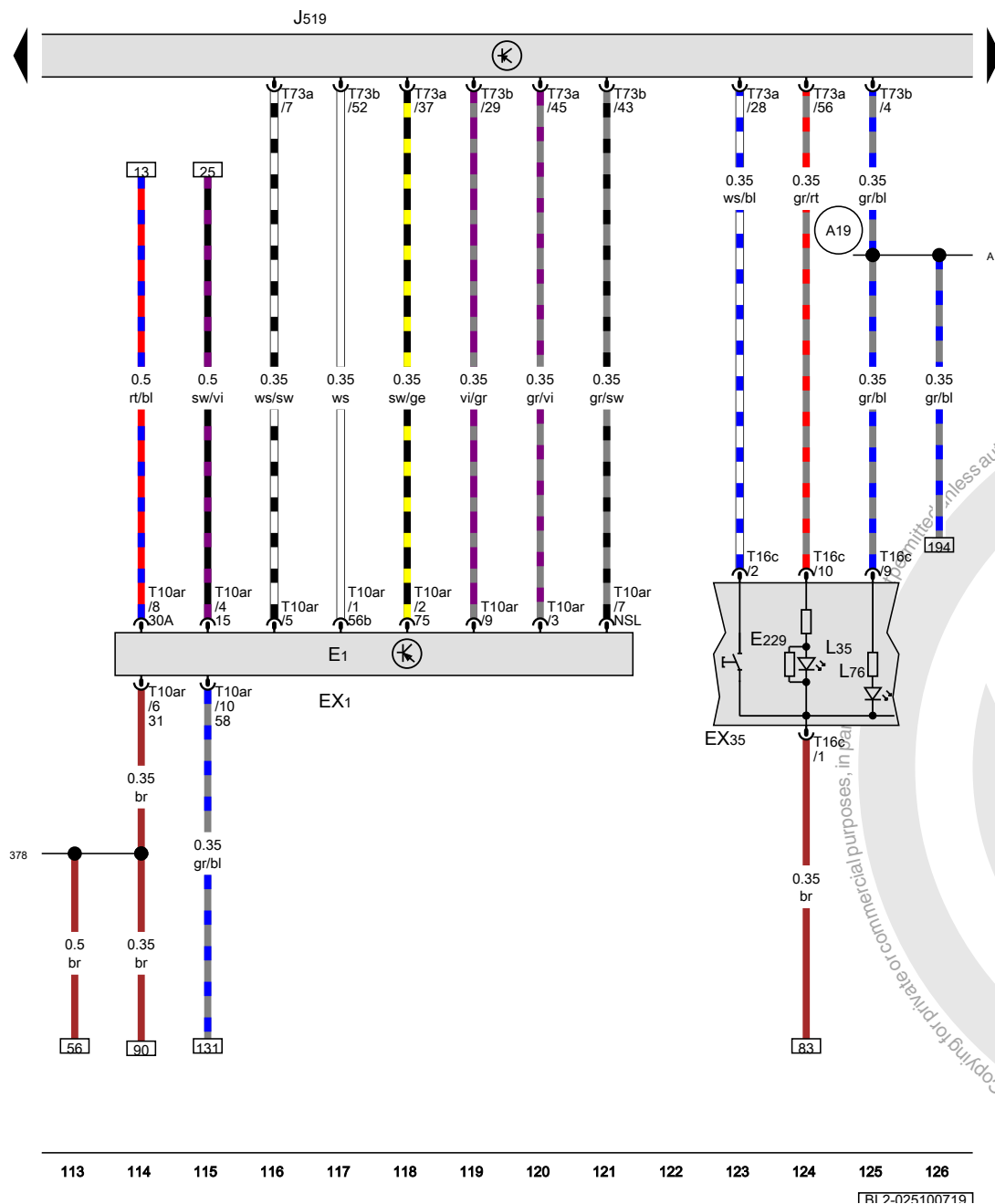




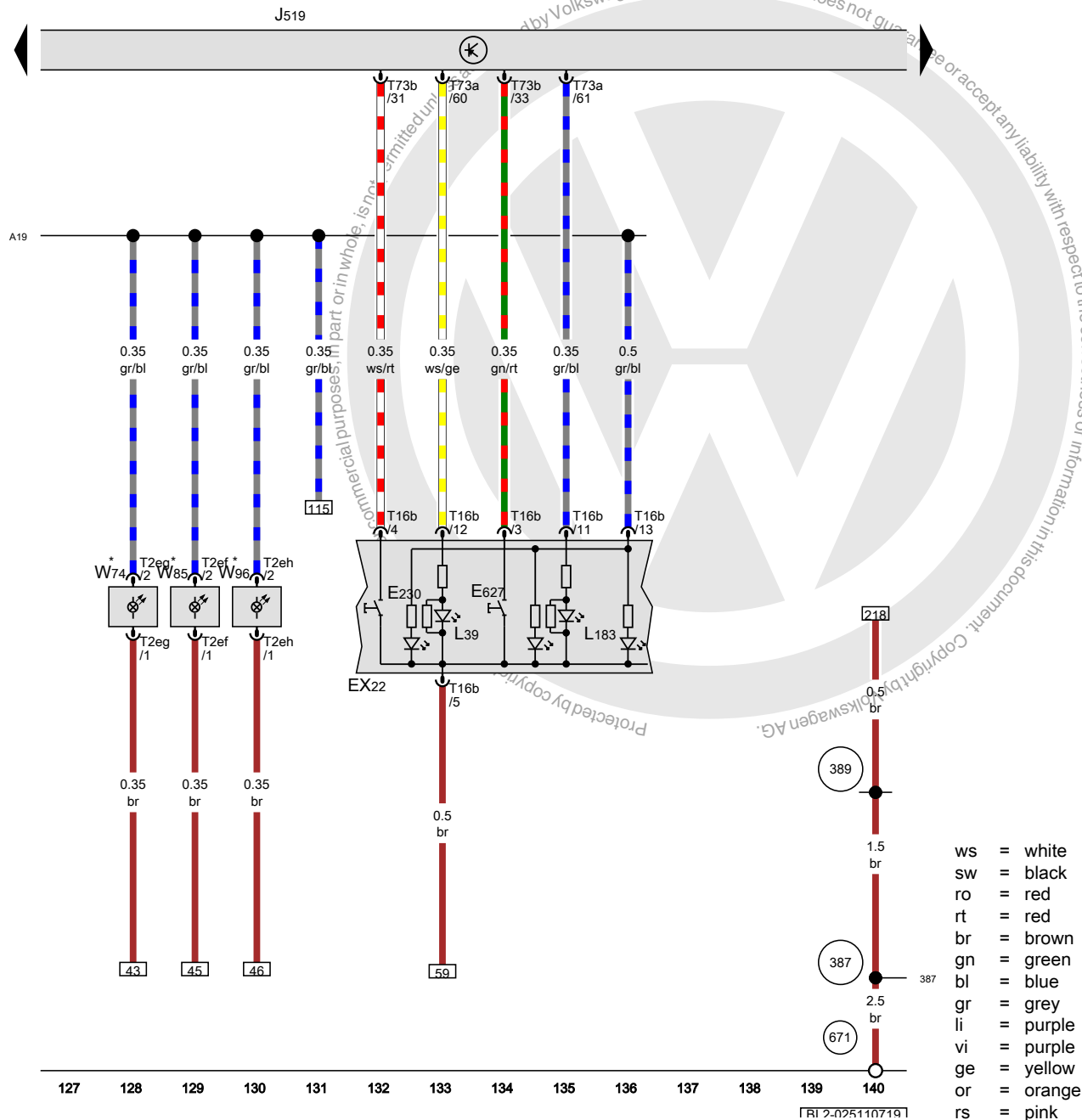
Wiper motor control unit, Onboard supply control unit, Steering column electronics control unit, Front interior light, Luggage compartment light, Front passenger reading light, Driver side reading light

- J400 Wiper motor control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T2ci 2-pin connector, black
- T3r 3-pin connector, black
- T4j 4-pin connector, black
- T7 7-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- W1 Front interior light
- W3 Luggage compartment light
- W13 Front passenger reading light
- W19 Driver side reading light

- 83 Earth connection 1, in front right wiring harness
- 377 Earth connection 12, in main wiring harness
- 378 Earth connection 13, in main wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- C55 Positive connection (30a), in front left wiring harness
- \* For models with luggage compartment light
- \*2 For models with no luggage compartment light



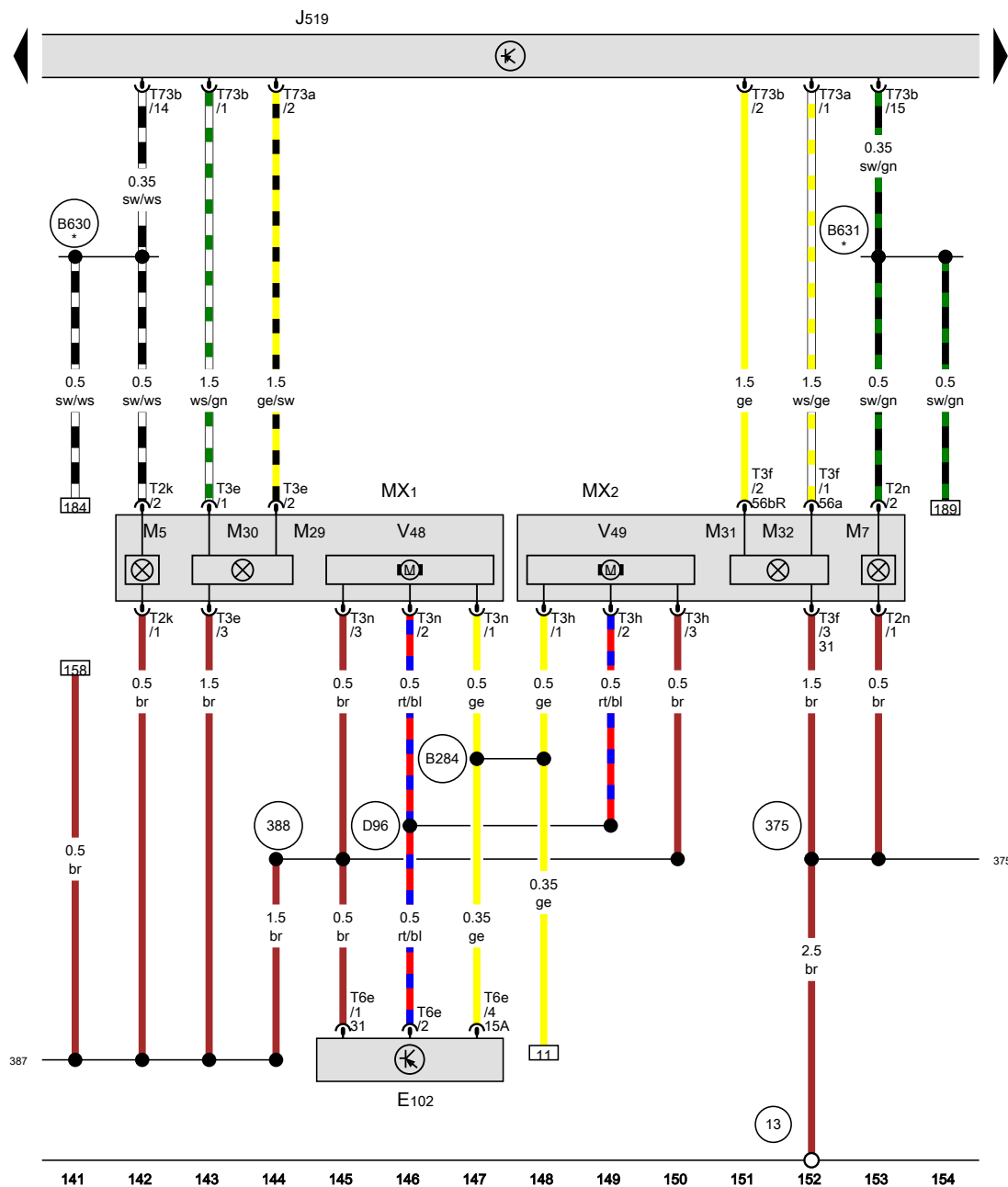
ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink



Centre switch module in dash panel, Heated rear window button, Onboard supply control unit, Light conductor for front centre console background lighting, Light conductor for front passenger side background lighting, Light conductor for driver side background lighting

- EX22 Centre switch module in dash panel
- E230 Heated rear window button
- E627 Heated windscreen button
- J519 Onboard supply control unit
- L39 Heated rear window switch illumination bulb
- L183 Bulb for heated windscreen switch illumination
- T2ef 2-pin connector, black
- T2eg 2-pin connector, black
- T2eh 2-pin connector, black
- T16b 16-pin connector, brown
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- W74 Light conductor for front centre console background lighting
- W85 Light conductor for front passenger side background lighting
- W96 Light conductor for driver side background lighting

- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 671 Earth point 1, on front of left longitudinal member
- A19 Connection (58d), in dash panel wiring harness
- \* Pre-wired component



Headlight range control regulator, Onboard supply control unit, Front left headlight, Front right headlight, Front left turn signal bulb, Front right turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Left headlight range control motor, Right headlight range control motor

- E102 Headlight range control regulator
- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T2k 2-pin connector, black
- T2n 2-pin connector, black
- T3e 3-pin connector, colourless
- T3f 3-pin connector, colourless
- T3h 3-pin connector, black
- T3n 3-pin connector, black
- T6e 6-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V48 Left headlight range control motor
- V49 Right headlight range control motor

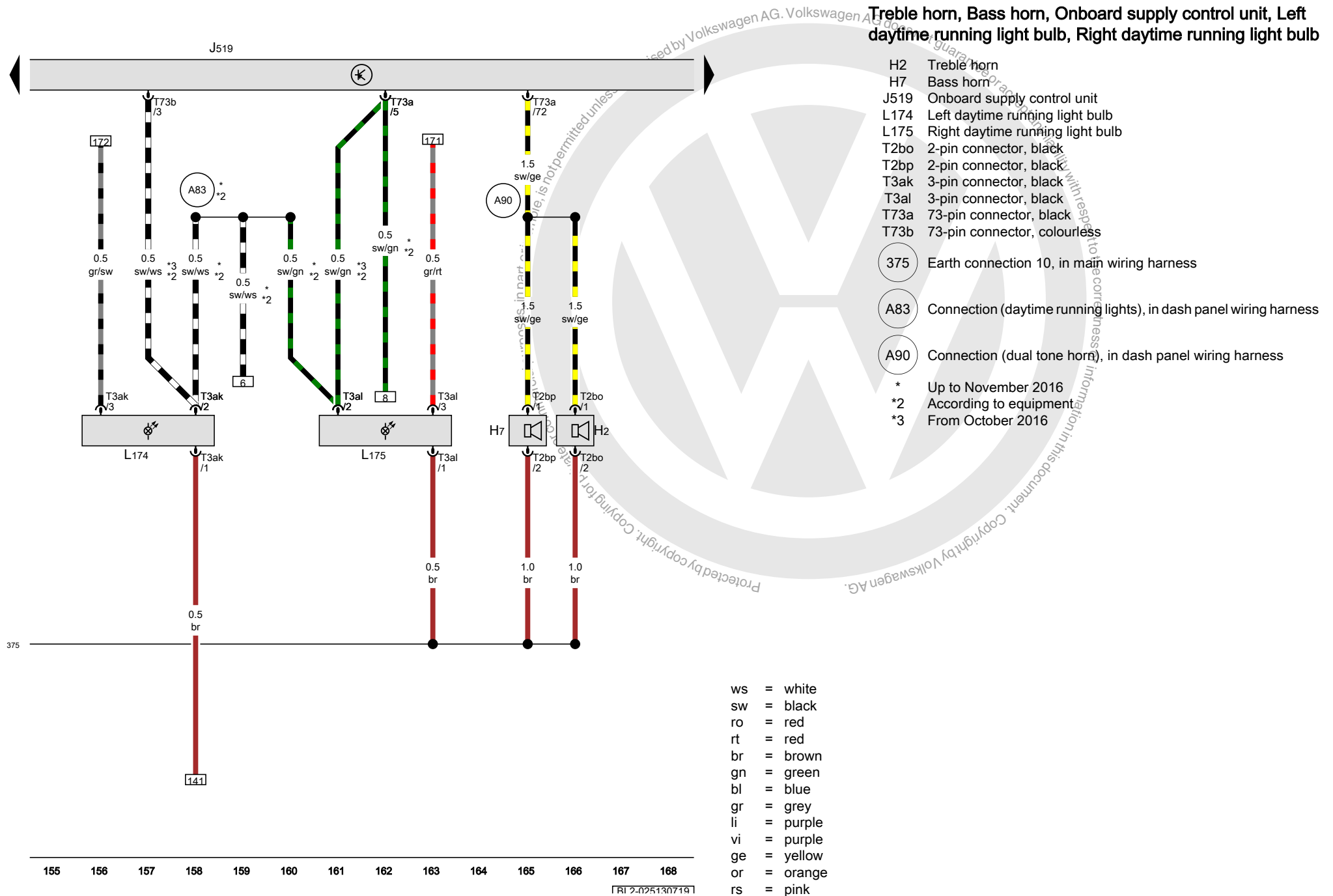
- 13 Earth point, on right in engine compartment
- 375 Earth connection 10, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- B284 Positive connection 8 (15a) in main wiring harness
- B630 Positive connection (left turn signal bulb), in main wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- D96 Connection (headlight range control), in engine compartment wiring harness

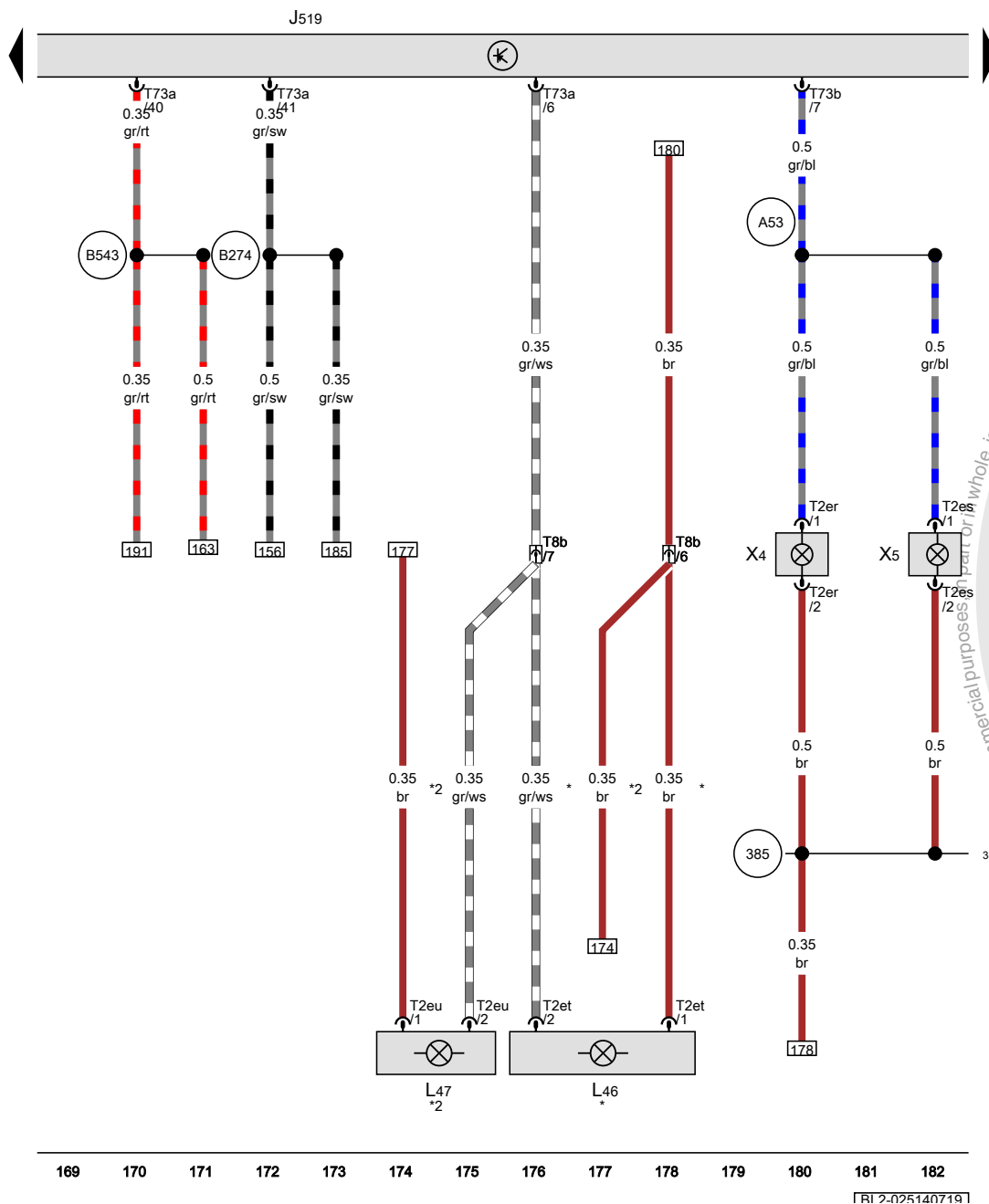
ws = white

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

\* see applicable current flow diagram for convenience system



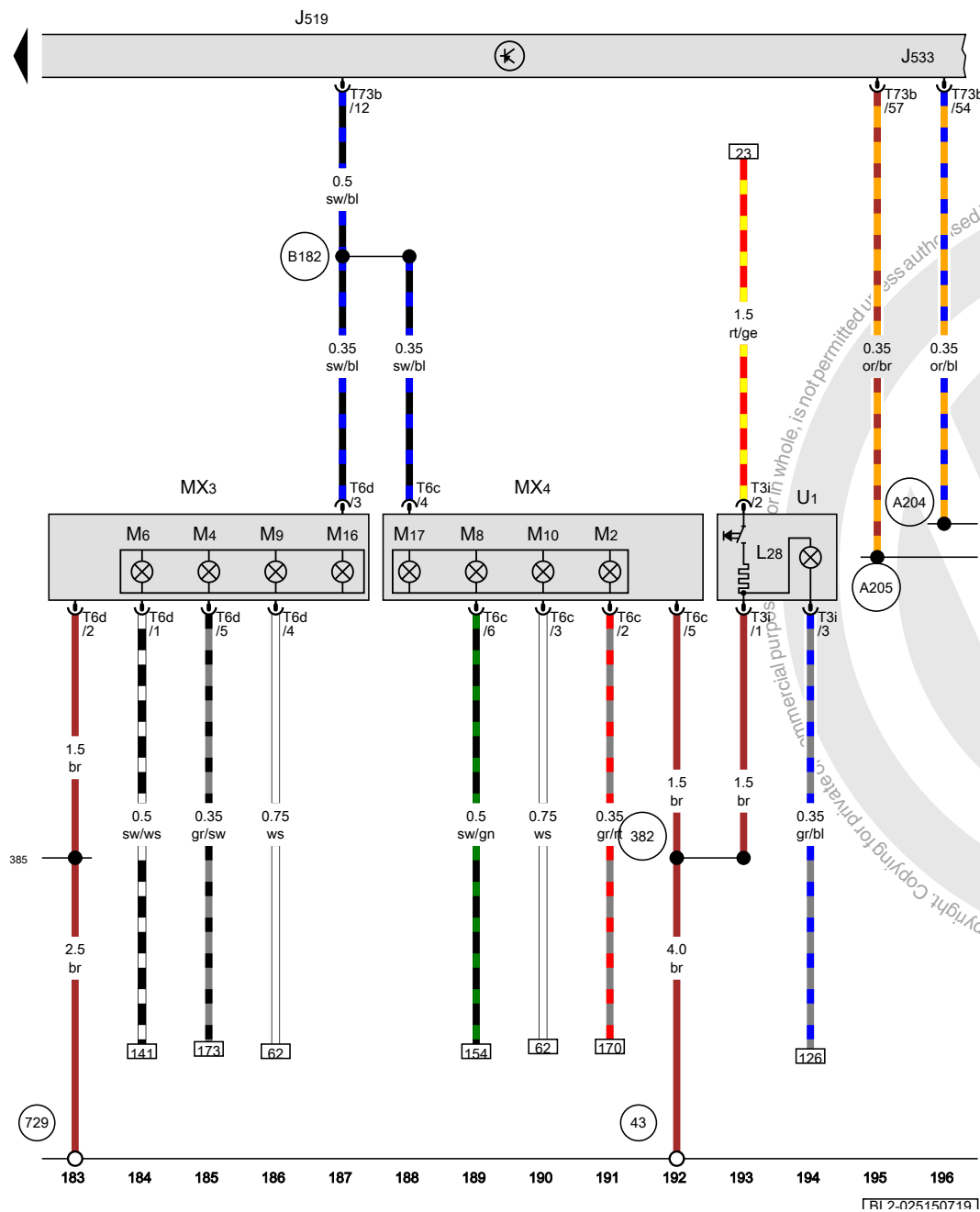




Onboard supply control unit, Rear left fog light bulb, Rear right fog light bulb, Left number plate light, Right number plate light

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- T2er 2-pin connector, black
- T2es 2-pin connector, black
- T2et 2-pin connector, black
- T2eu 2-pin connector, black
- T8b 8-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- X4 Left number plate light
- X5 Right number plate light

- 385 Earth connection 20, in main wiring harness
- A53 Positive connection (58b), in dash panel wiring harness
- B274 Positive connection (58L), in main wiring harness
- B543 Positive connection (58R), in main wiring harness
- \* For left-hand drive models
- \*2 For right-hand drive models



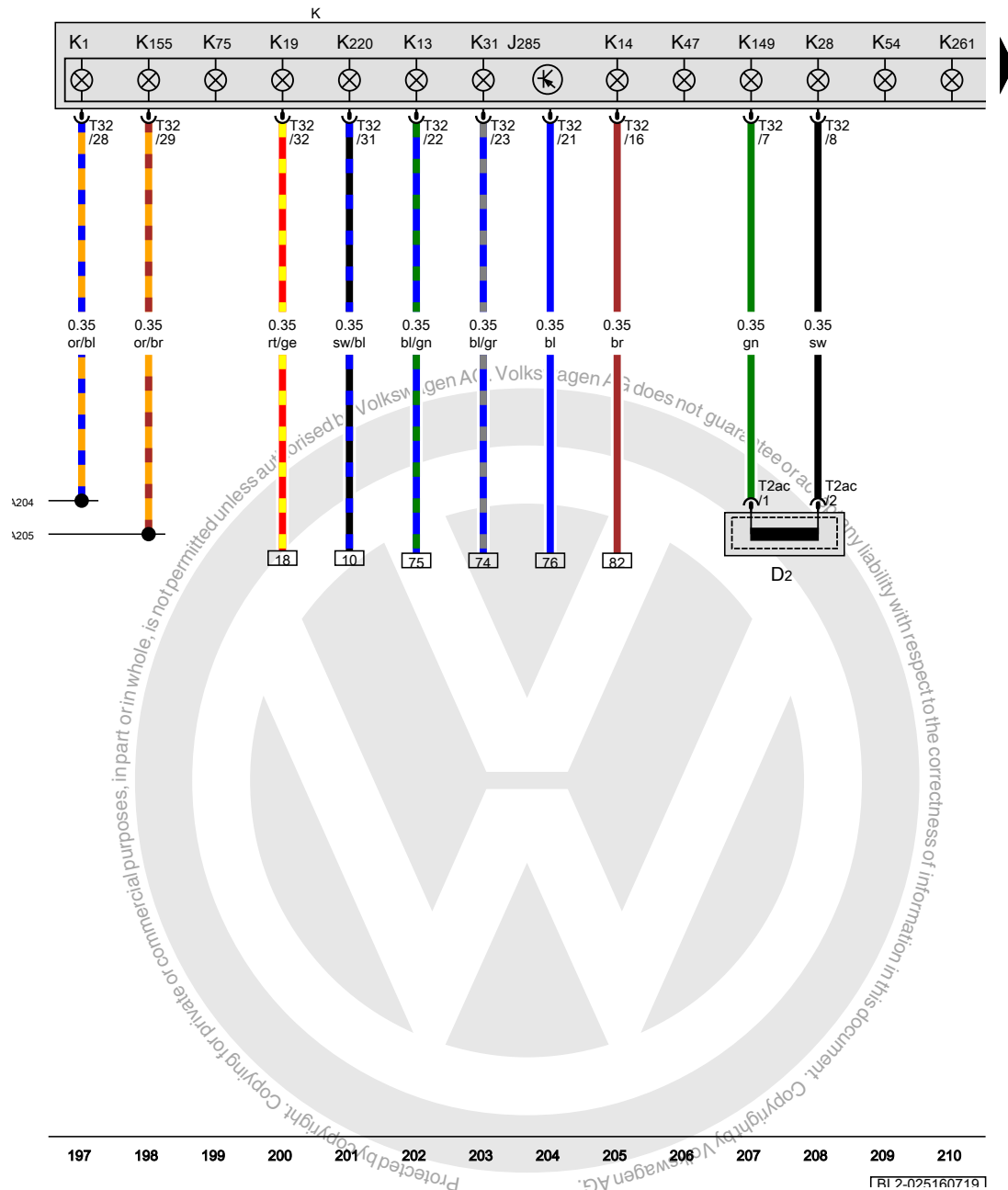
Onboard supply control unit, Right tail light bulb, Left tail light cluster, Right tail light cluster, Left tail light bulb, Rear left turn signal bulb, Rear right turn signal bulb, Left brake light bulb, Right brake light bulb, Left reversing light bulb, Right reversing light bulb, Cigarette lighter

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- L28 Cigarette lighter illumination bulb
- M2 Right tail light bulb
- MX3 Left tail light cluster
- MX4 Right tail light cluster
- M4 Left tail light bulb
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T3i 3-pin connector, black
- T6c 6-pin connector, black
- T6d 6-pin connector, black
- T73b 73-pin connector, colourless
- U1 Cigarette lighter

- 43 Earth point, lower part of right A-pillar
- 382 Earth connection 17, in main wiring harness
- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert CAN bus, low), in dash panel wiring harness
- B182 Connection (RL), in interior wiring harness

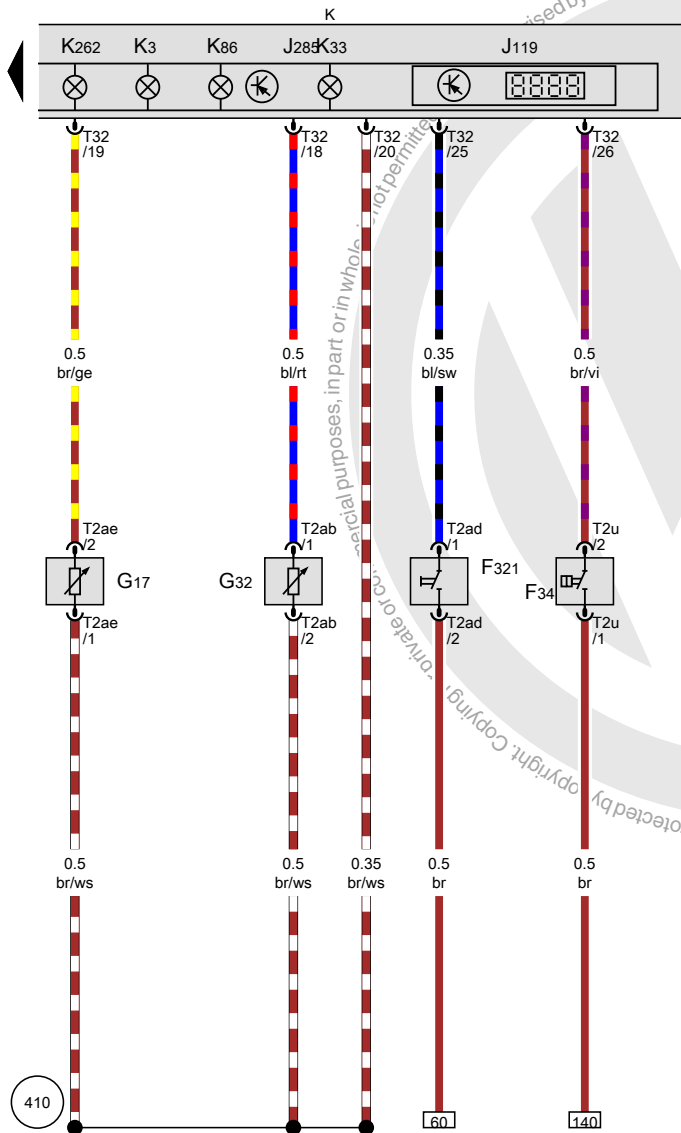


Immobiliser reader coil, Control unit in dash panel insert,  
Dash panel insert



- D2 Immobiliser reader coil
- J285 Control unit in dash panel insert
- K Dash panel insert
- K1 Main beam warning lamp
- K13 Rear fog light warning lamp
- K14 Handbrake warning lamp
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K47 ABS warning lamp
- K54 Battery charge condition warning lamp: red LED for less than 12 Volt
- K75 Airbag warning lamp
- K149 Engine electronics warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K220 Tyre Pressure Loss Indicator warning lamp
- K261 Warning lamp for left turn signal
- T2ac 2-pin connector, black
- T32 32-pin connector, blue
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert CAN bus, low), 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



Brake fluid level warning contact, Parking brake contact switch, Ambient temperature sensor, Coolant shortage indicator sender, Control unit in dash panel insert, Dash panel insert

- F34 Brake fluid level warning contact
- F321 Parking brake contact switch
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K33 Brake fluid level warning lamp
- K86 Traction control system warning lamp
- K262 Warning lamp for right turn signal
- T2ab 2-pin connector, black
- T2ad 2-pin connector, black
- T2ae 2-pin connector, black
- T2u 2-pin connector, black
- T32 32-pin connector, blue
- 410 Earth connection 1 (sender earth) 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

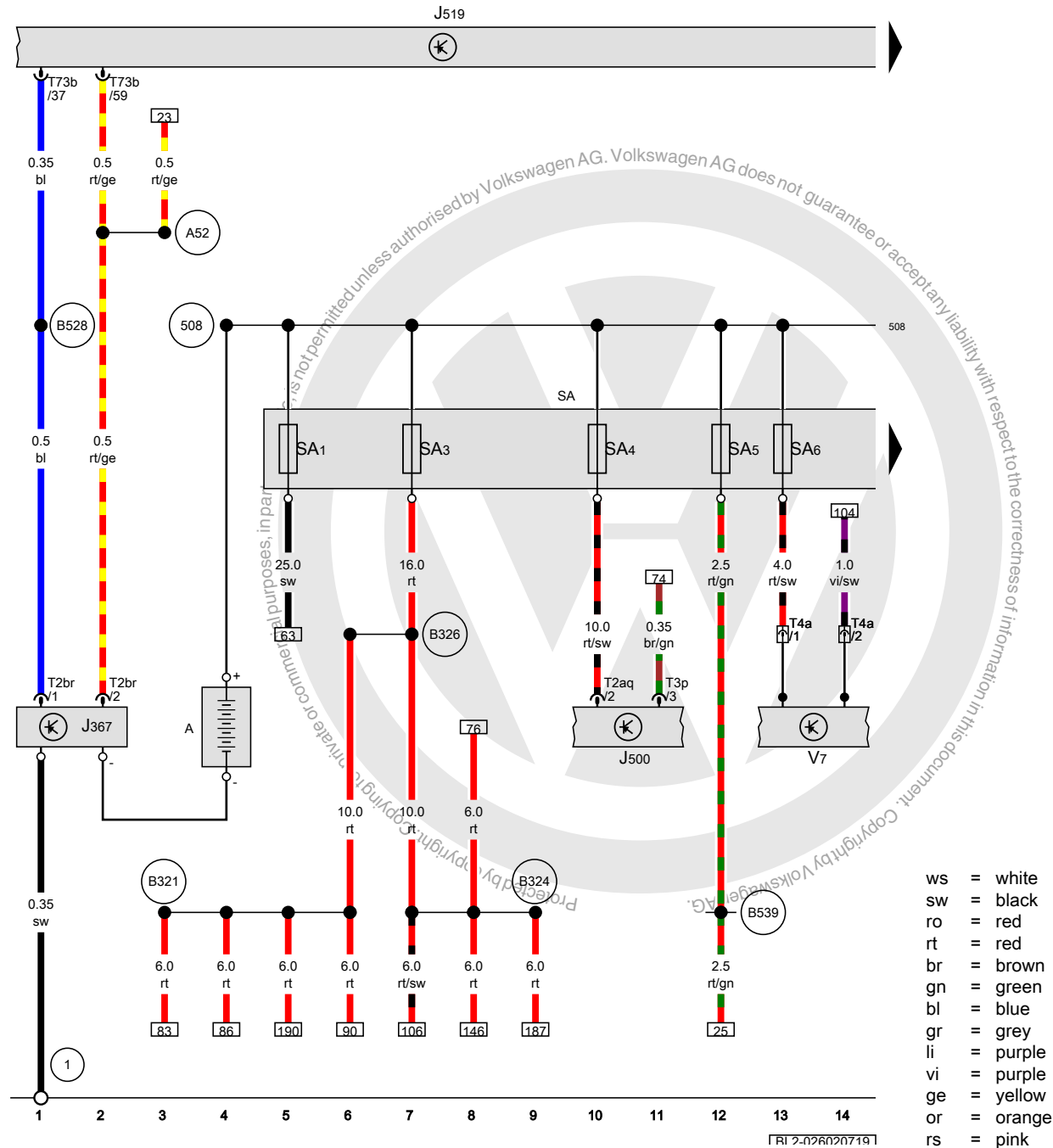
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191 2-0251707191

## Fuse assignment

From August 2016

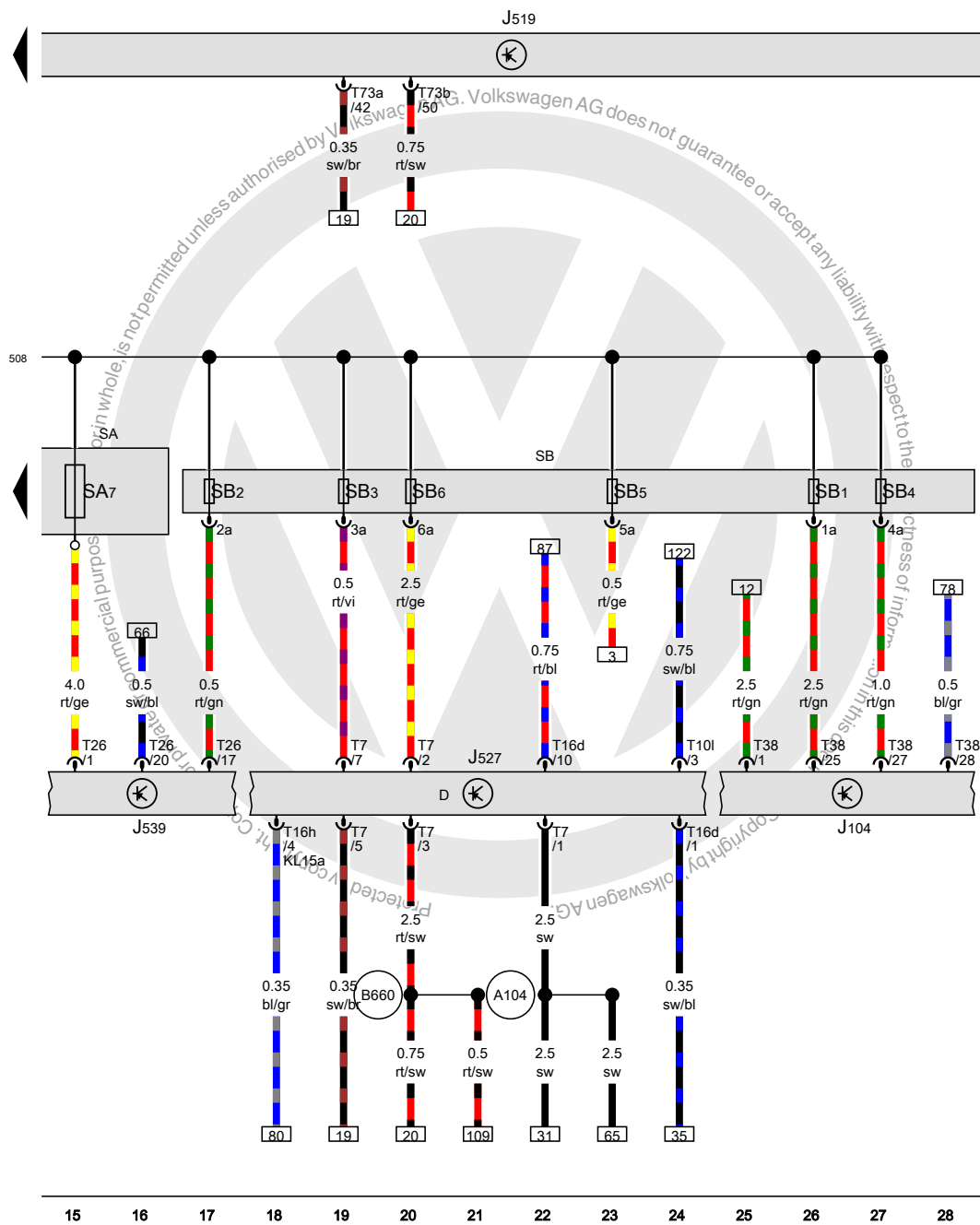




**Battery, Battery monitor control unit, Fuse holder A**

- |      |  |
|------|--|
| A    | Battery  |
| J367 | Battery monitor control unit                             |
| J500 | Power steering control unit                              |
| J519 | Onboard supply control unit                              |
| SA   | Fuse holder A  |
| SA1  | Fuse 1 on fuse holder A                                  |
| SA3  | Fuse 3 on fuse holder A                                  |
| SA4  | Fuse 4 on fuse holder A                                  |
| SA5  | Fuse 5 on fuse holder A                                  |
| SA6  | Fuse 6 on fuse holder A                                  |
| T2aq | 2-pin connector  |
| T2br | 2-pin connector  |
| T3p  | 3-pin connector  |
| T4a  | 4-pin connector, on radiator fan                         |
| T73b | 73-pin connector   |
| V7   | Radiator fan   |
| 1    | Earth strap, battery - body                              |
| 508  | Threaded connection (30) on E-box                        |
| A52  | Positive connection 2 (30), in dash panel wiring harness |
| B321 | Positive connection 7 (30a) in main wiring harness       |
| B324 | Positive connection 10 (30a) in main wiring harness      |
| B326 | Positive connection 12 (30a) in main wiring harness      |
| B528 | Connection 1 (LIN bus) in main wiring harness            |
| B539 | Connection 30, 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

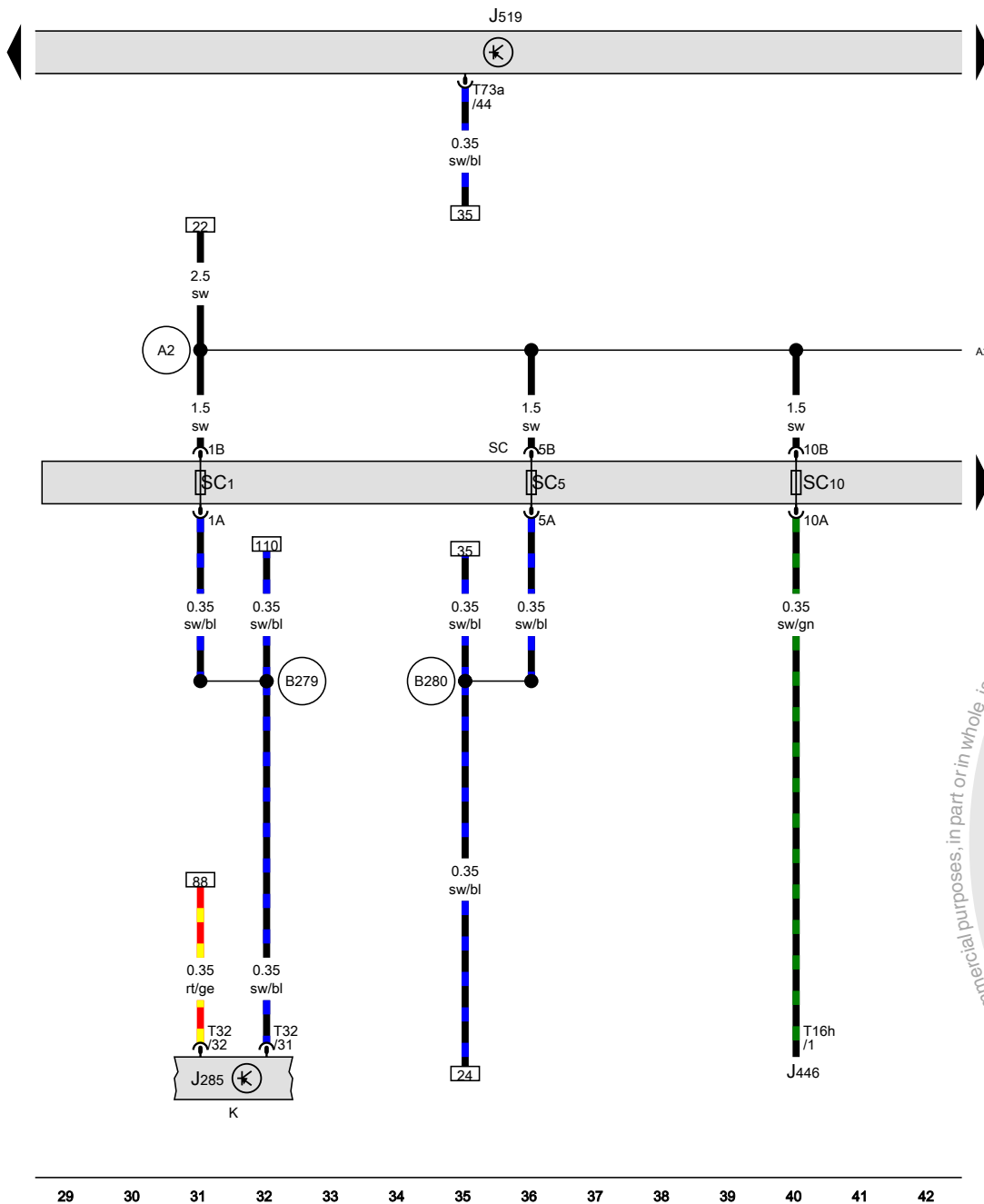


# Steering column electronics control unit, Fuse holder A, Fuse holder B

- D Ignition/starter switch
- J104 ABS control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J539 Brake servo control unit
- SA Fuse holder A
- SB Fuse holder B
- SB1 Fuse 1 on 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
- SA7 Fuse 7 on fuse holder A
- T7 7-pin connector
- T10I 10-pin connector
- T16d 16-pin connector
- T16h 16-pin connector, black
- T26 26-pin connector
- T38 38-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 508 Threaded connection (30) on E-box
- A104 Positive connection 2 (15), in dash panel wiring harness
- B660 Connection (diagnosis terminal 50), 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

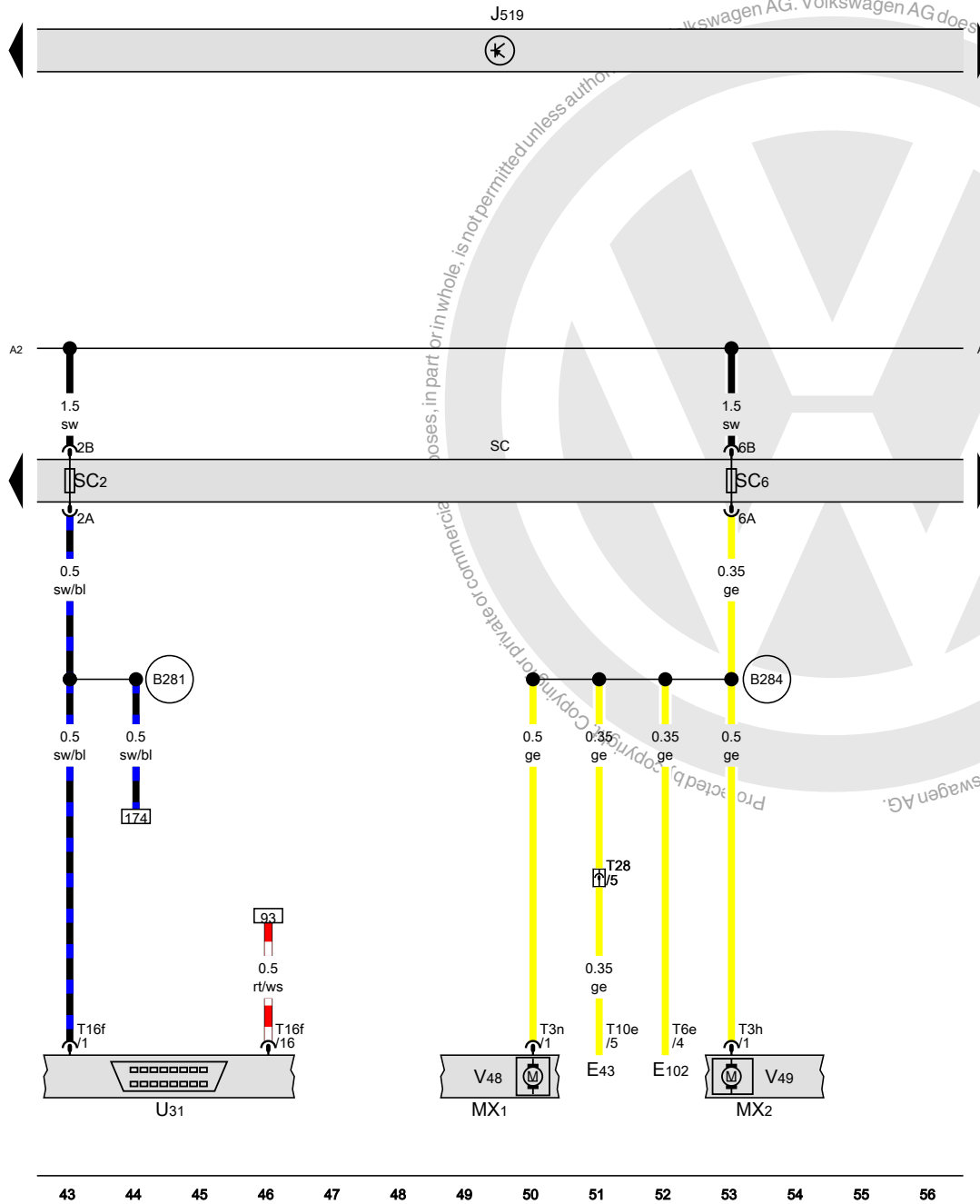


### Fuse holder C

- J285 Control unit in dash panel insert
- J446 Parking aid control unit
- J519 Onboard supply control unit
- K Dash panel insert
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- T16h 16-pin connector
- T32 32-pin connector
- T73a 73-pin connector

- A2 Positive connection (15), in dash panel wiring harness
- B279 Positive connection 3 (15a) in main wiring harness
- B280 Positive connection 4 (15a) 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



### Fuse holder C

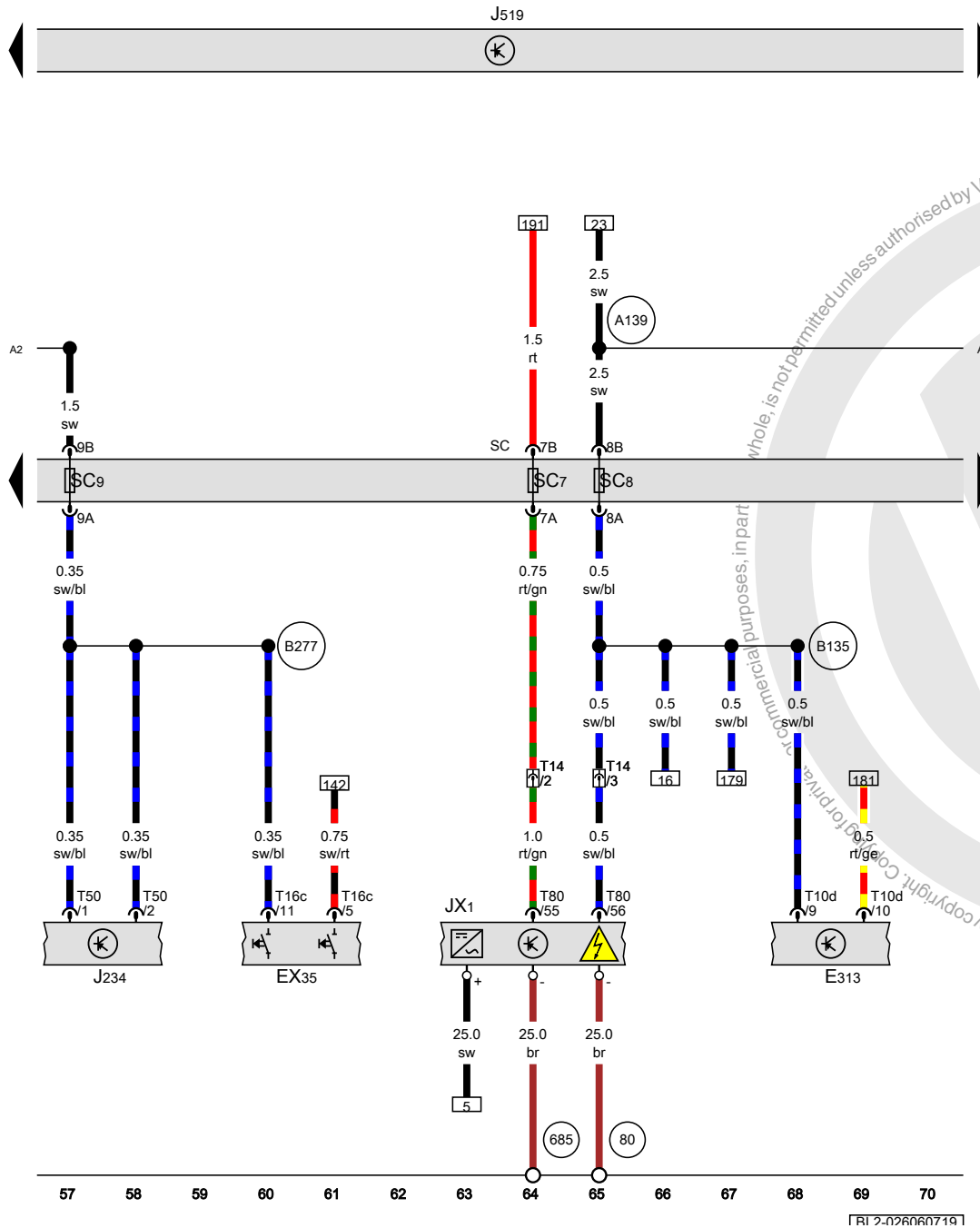
- E43 Mirror adjustment switch
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC6 Fuse 6 on fuse holder C
- T3h 3-pin connector
- T3n 3-pin connector
- T6e 6-pin connector
- T10e 10-pin connector
- T16f 16-pin connector
- T28 28-pin connector, in front left door
- U31 Diagnostic connection
- V48 Left headlight range control motor
- V49 Right headlight range control motor

A2 Positive connection (15), in dash panel wiring harness

B281 Positive connection 5 (15a) in main wiring harness

B284 Positive connection 8 (15a) in main wiring harness

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- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
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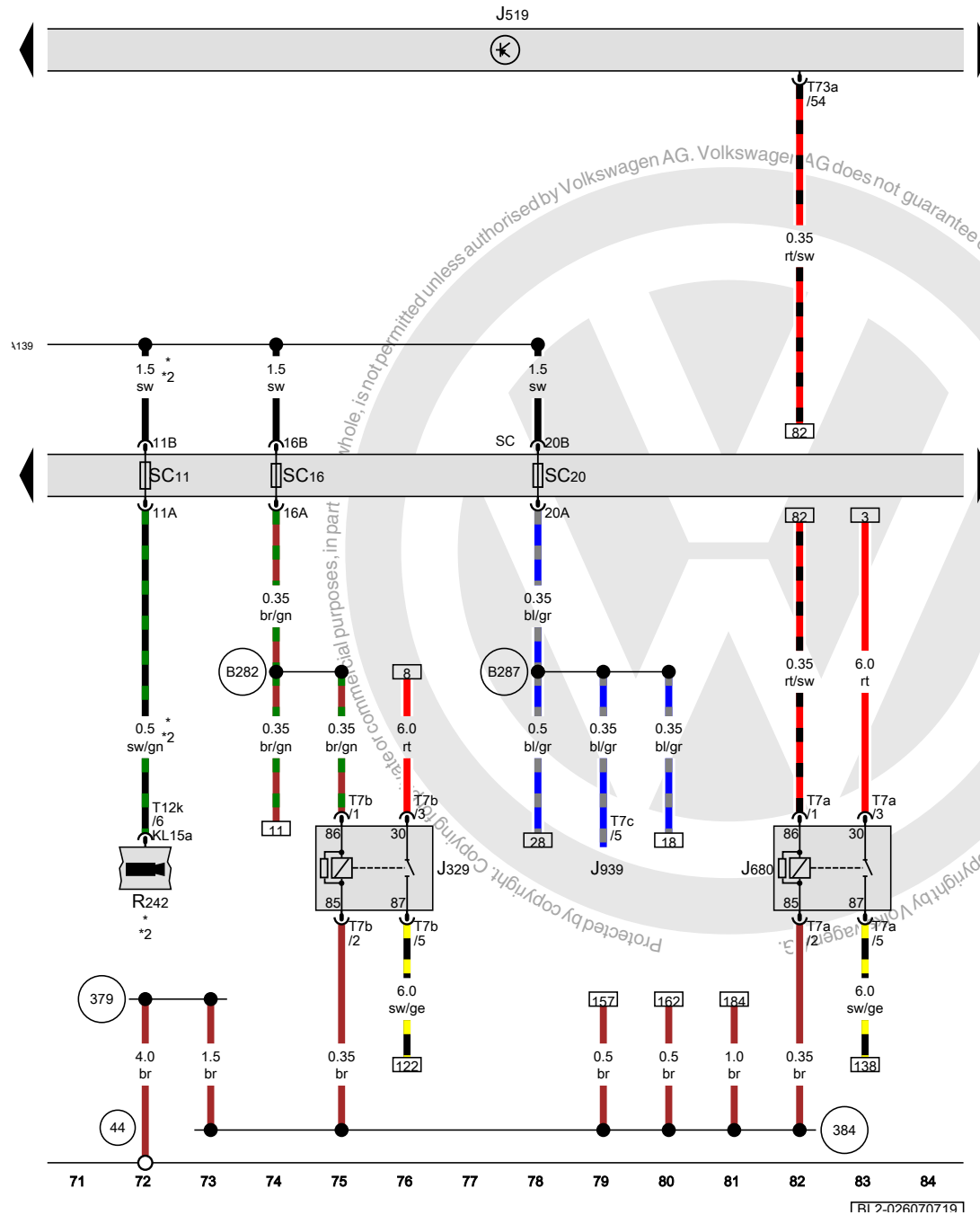
### Fuse holder C

- EX35 Centre switch module 2 in dash panel
- E313 Selector lever
- JX1 Power and control electronics for electric drive
- J234 Airbag control unit
- J519 Onboard supply control unit
- 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
- T10d 10-pin connector
- T14 14-pin connector, on left in engine compartment
- T16c 16-pin connector
- T50 50-pin connector
- T80 80-pin connector

- 80 Earth point, on centre of front cross member
- 685 Earth point 1, on front of right longitudinal member
- A2 Positive connection (15), in dash panel wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B277 Positive connection 1 (15a) in main wiring harness

ws = white  
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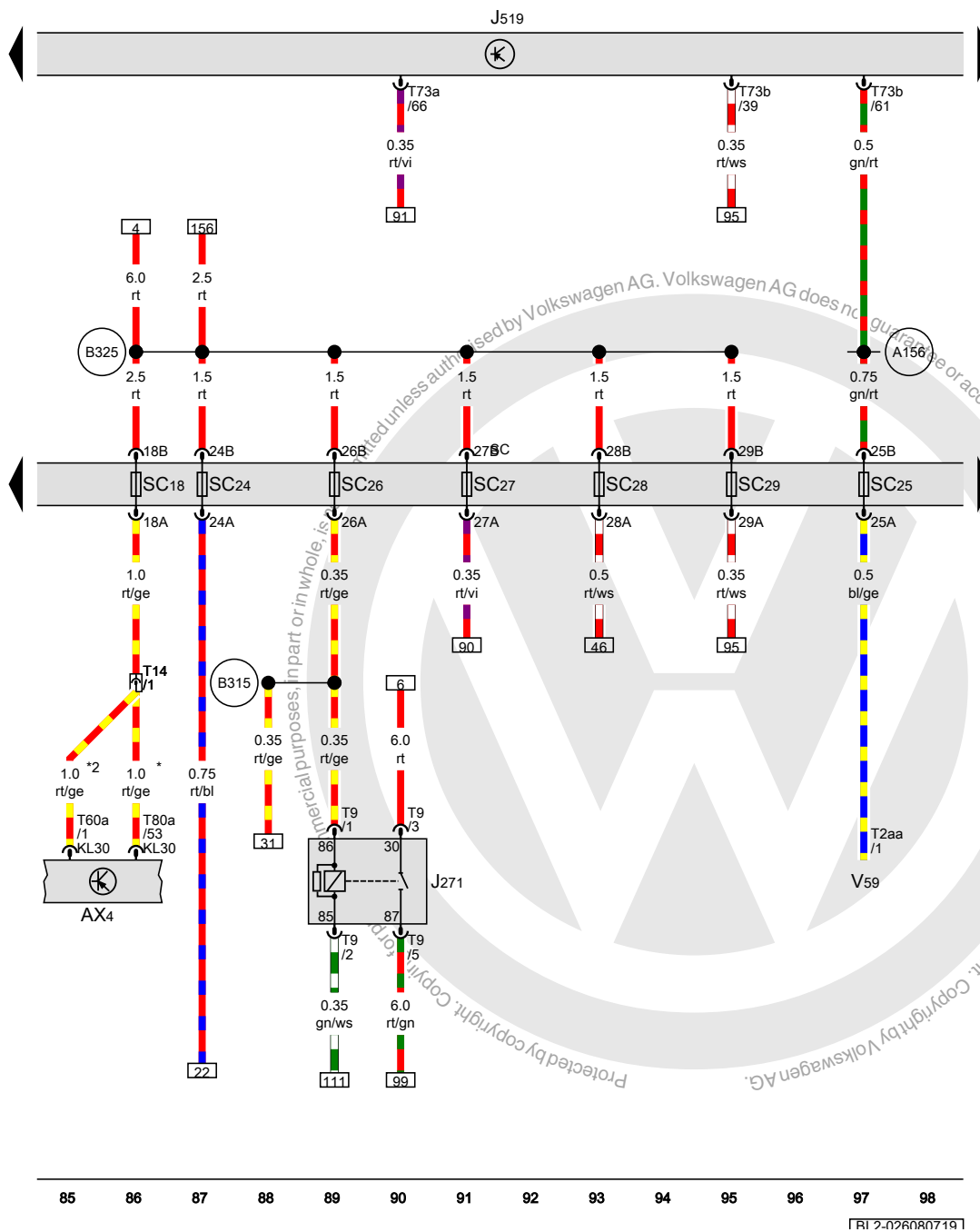


Terminal 15 voltage supply relay, Terminal 75 voltage supply relay 1, Front camera for driver assist systems, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- J939 Emergency braking function sensor unit
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- T7a 7-pin connector
- T7b 7-pin connector
- T7c 7-pin connector
- T12k 12-pin connector, black
- T73a 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B282 Positive connection 6 (15a) in main wiring harness
- B287 Positive connection 11 (15a) in main wiring harness
- \* From August 2019
- \*2 For models with front camera for driver assist systems

ws = white  
 sw = black  
 ro = red  
 rt = red  
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### Charging unit 1 for high-voltage battery, Main relay, Fuse holder C

AX4 Charging unit 1 for high-voltage battery

J271 Main relay

J519 Onboard supply control unit

SC Fuse holder C

SC18 Fuse 18 on 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

T2aa 2-pin connector

T9 9-pin connector

T14 14-pin connector, on left in engine compartment

T60a 60-pin connector, black

T73a 73-pin connector

T73b 73-pin connector

T80a 80-pin connector

V59 Windscreen and rear window washer pump

A156 Connection (53c), in dash panel wiring harness

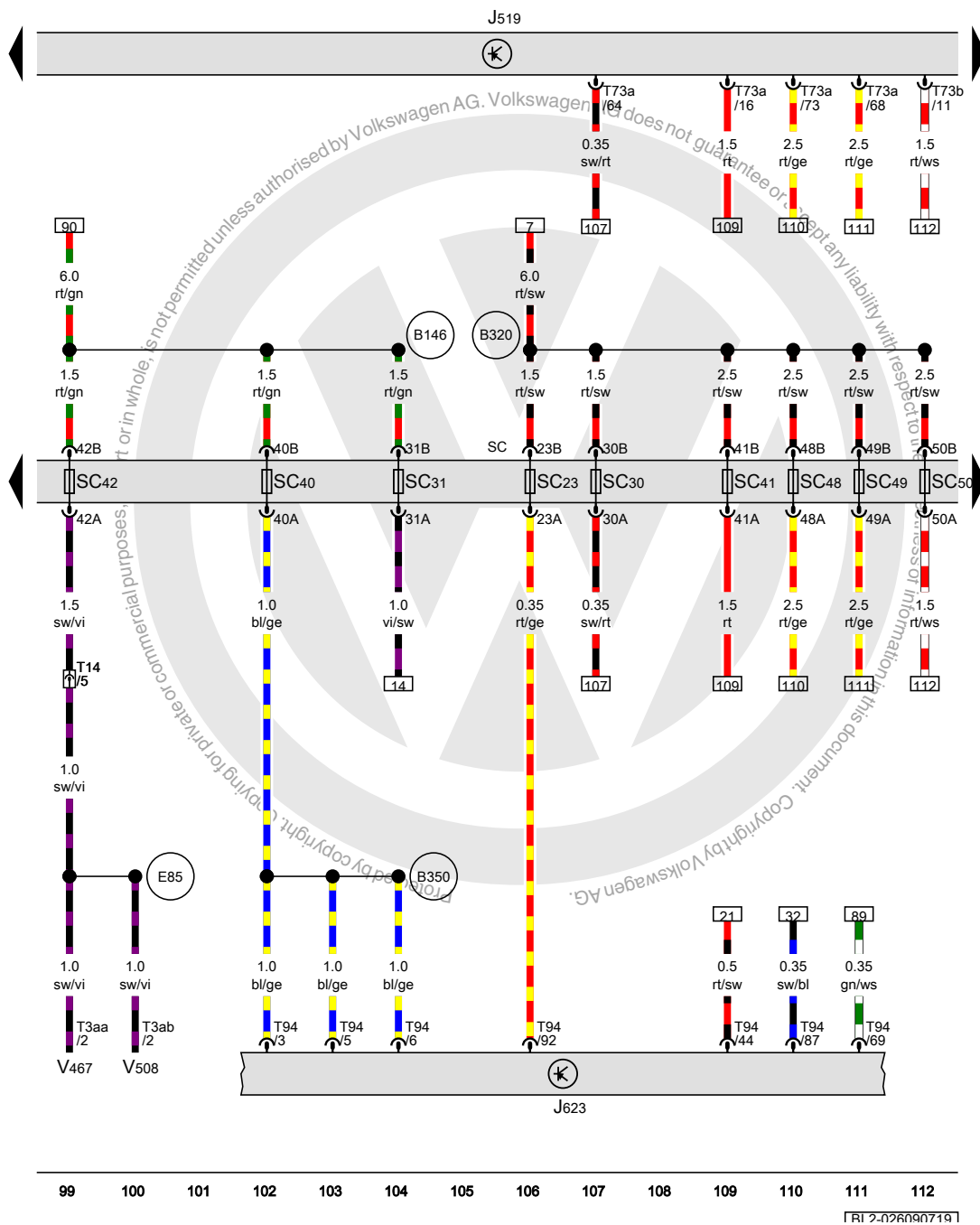
B315 Positive connection 1 (30a) in main wiring harness

B325 Positive connection 11 (30a) in main wiring harness

\* Up to August 2019

\*2 From August 2019

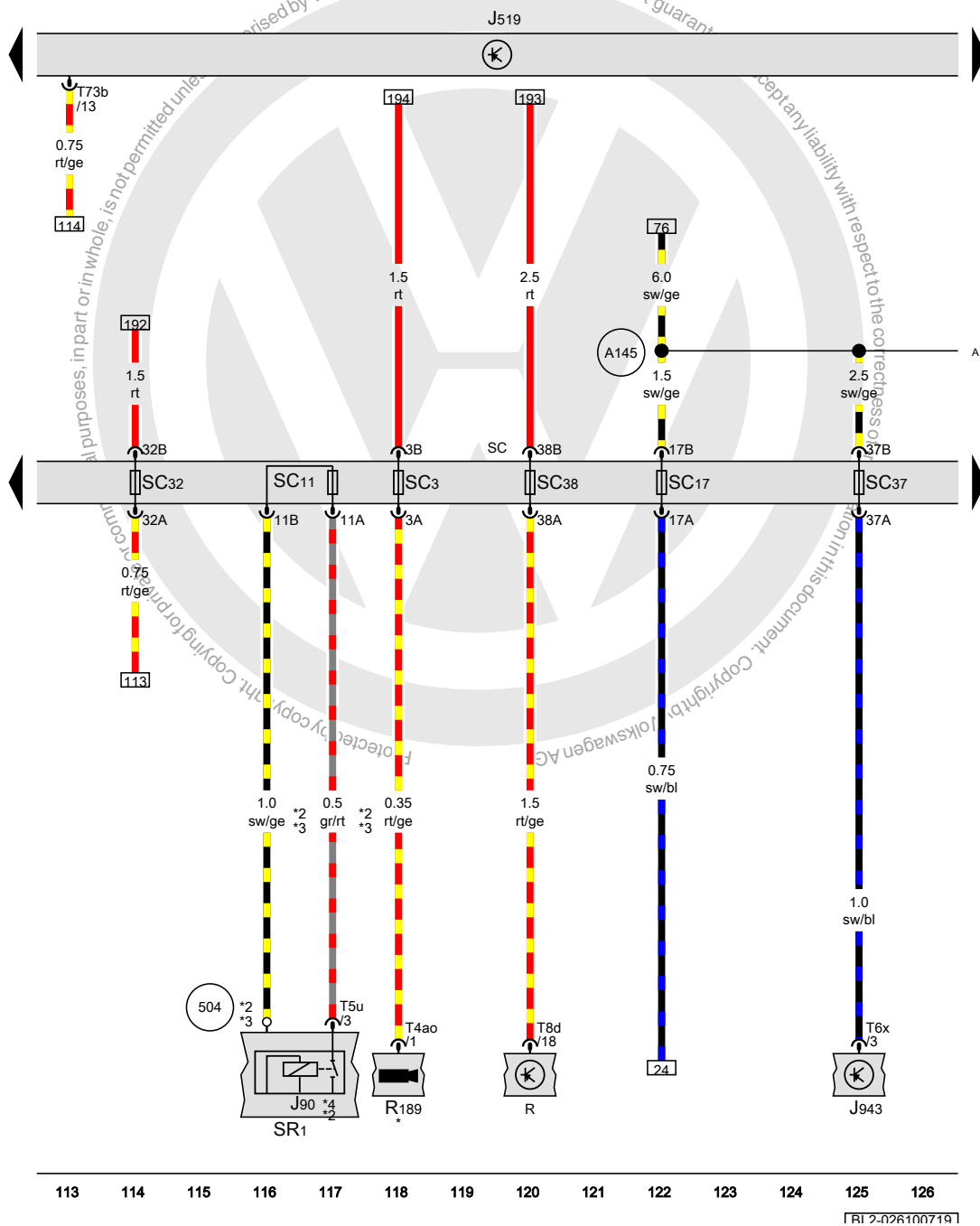
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### Fuse holder C

- J519 Onboard supply control unit
- J623 Engine/motor control unit
- SC Fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 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
- SC48 Fuse 48 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- T3aa 3-pin connector
- T3ab 3-pin connector
- T14 14-pin connector, on left in engine compartment
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector
- V467 Coolant pump for high-temperature circuit
- V508 Coolant circulation pump before power and control electronics for electric drive
- B146 Positive connection 1 (87), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- E85 Connection 9 (87a) in engine wiring harness

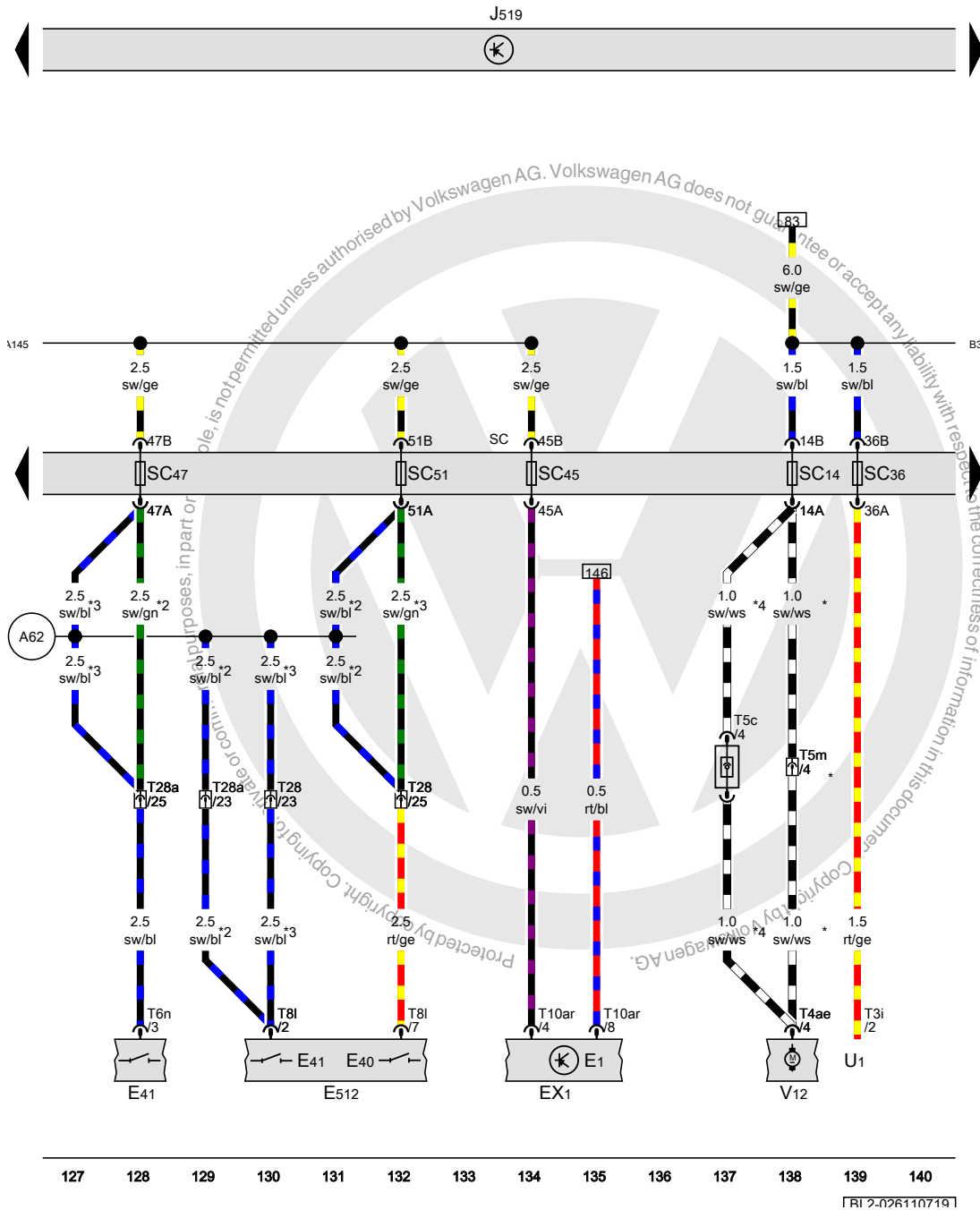
ws = white  
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### Fuse holder C, Relay and fuse carrier 1

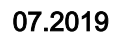
- J90 Daytime running light switch-on relay
- J519 Onboard supply control unit
- J943 Engine sound generator control unit
- R Radio
- R189 Reversing camera
- SC Fuse holder C
- SR1 Relay and fuse carrier 1
- SC3 Fuse 3 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- T4ao 4-pin connector, black
- T5u 5-pin connector, black
- T6x 6-pin connector
- T8d 8-pin connector, black
- T73b 73-pin connector

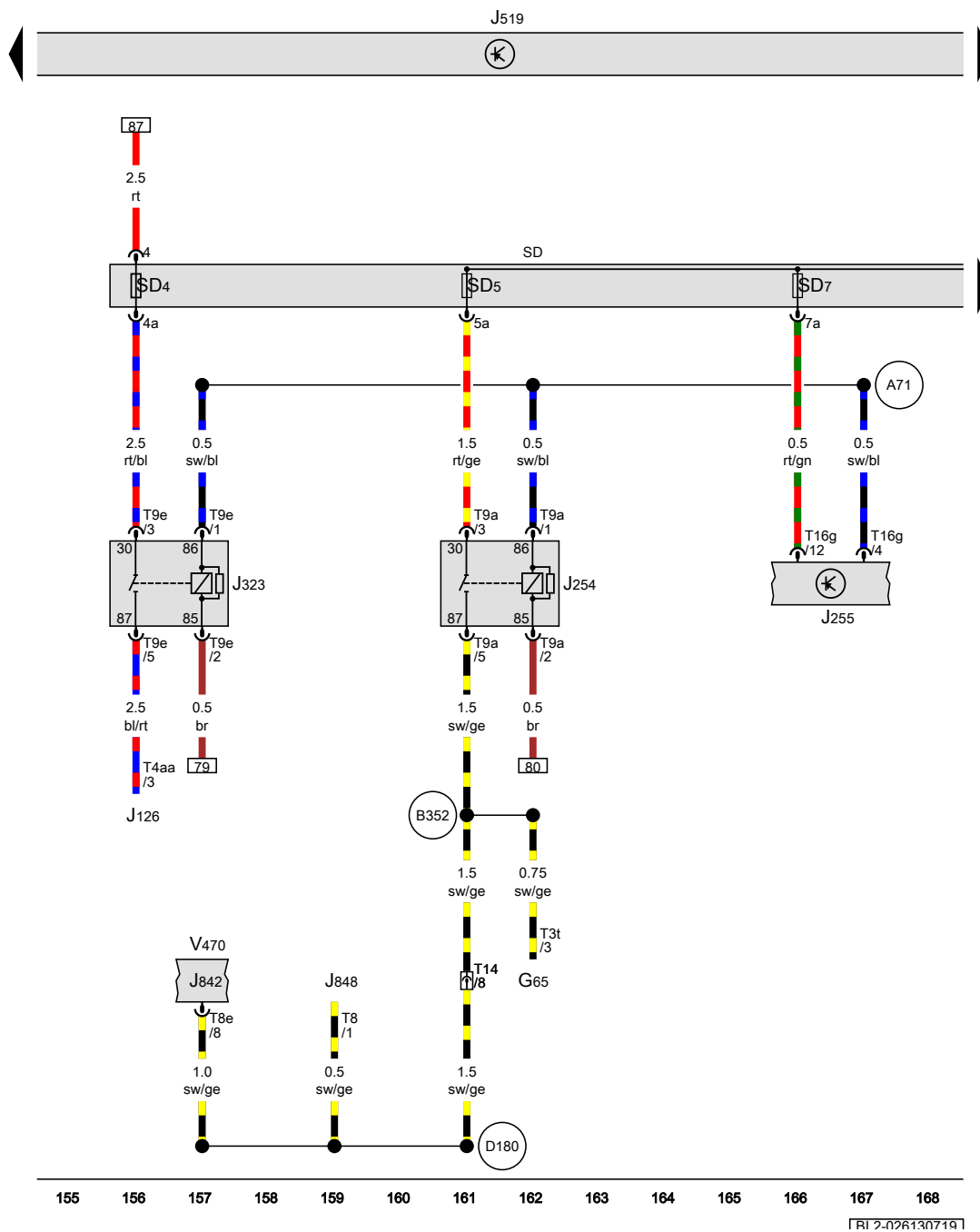
- 504 Threaded connection 1 (87), on relay plate
- A145 Positive connection 4 (15), in dash panel wiring harness
- \* Pre-wired component
- \*2 Up to November 2016
- \*3 According to equipment
- \*4 see applicable current flow diagram



### Fuse holder C

- EX1 Rotary light switch
- E1 Light switch
- E40 Front left window regulator switch
- E41 Front right window regulator switch
- E512 Operating unit for window regulator in driver door
- J519 Onboard supply control unit
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T3i 3-pin connector
- T4ae 4-pin connector, black
- T5c 5-pin connector, brown
- T5m 5-pin connector, in rear lid
- T6n 6-pin connector
- T8l 8-pin connector
- T10ar 10-pin connector, black
- T28 28-pin connector, in front left door
- T28a 28-pin connector, in front right door
- U1 Cigarette lighter
- V12 Rear window wiper motor
- A62 Connection (window regulators), in dash panel wiring harness
- A145 Positive connection 4 (15), in dash panel wiring harness
- B346 Connection 1 (75), in main wiring harness
- \* Up to November 2017
- \*2 For right-hand drive models
- \*3 For left-hand drive models
- \*4 From November 2017



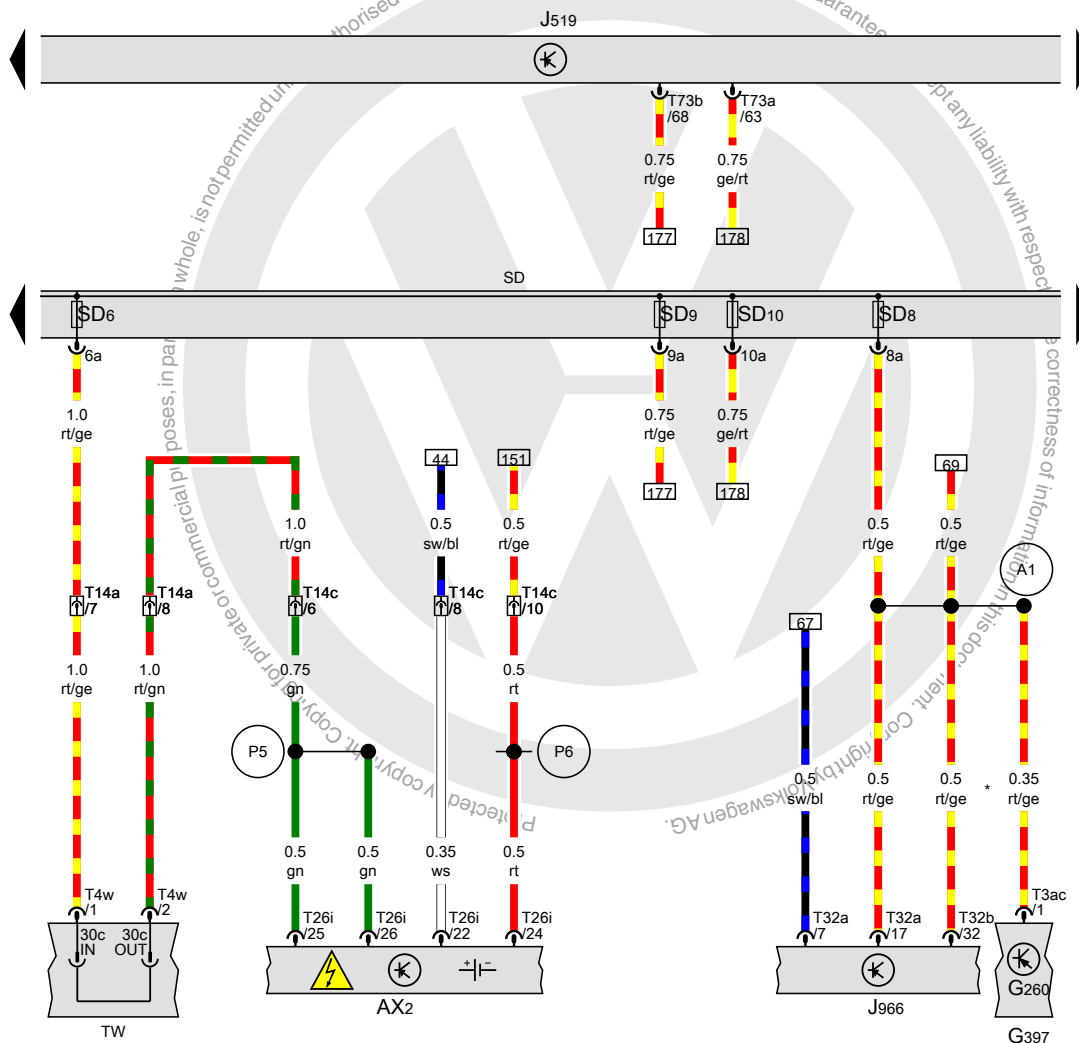


# Climatronic relay, Blower relay, Fuse holder D

- G65 High-pressure sender
- J126 Fresh air blower control unit
- J254 Climatronic relay
- J255 Climatronic control unit
- J323 Blower relay
- J519 Onboard supply control unit
- J842 Control unit for air conditioning compressor
- J848 High-voltage heater (PTC) control unit
- SD Fuse holder D
- SD4 Fuse 4 on fuse holder D
- SD5 Fuse 5 on fuse holder D
- SD7 Fuse 7 on fuse holder D
- T3t 3-pin connector
- T4aa 4-pin connector
- T8 8-pin connector
- T8e 8-pin connector
- T9a 9-pin connector
- T9e 9-pin connector
- T14 14-pin connector, on left in engine compartment
- T16g 16-pin connector
- V470 Electrical air conditioner compressor

- A71 Connection (86), in dash panel wiring harness
- B352 Positive connection 3 (87a) in main wiring harness
- D180 Connection (87a), in engine compartment wiring harness

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- bl = blue
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- vi = purple
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- rs = pink

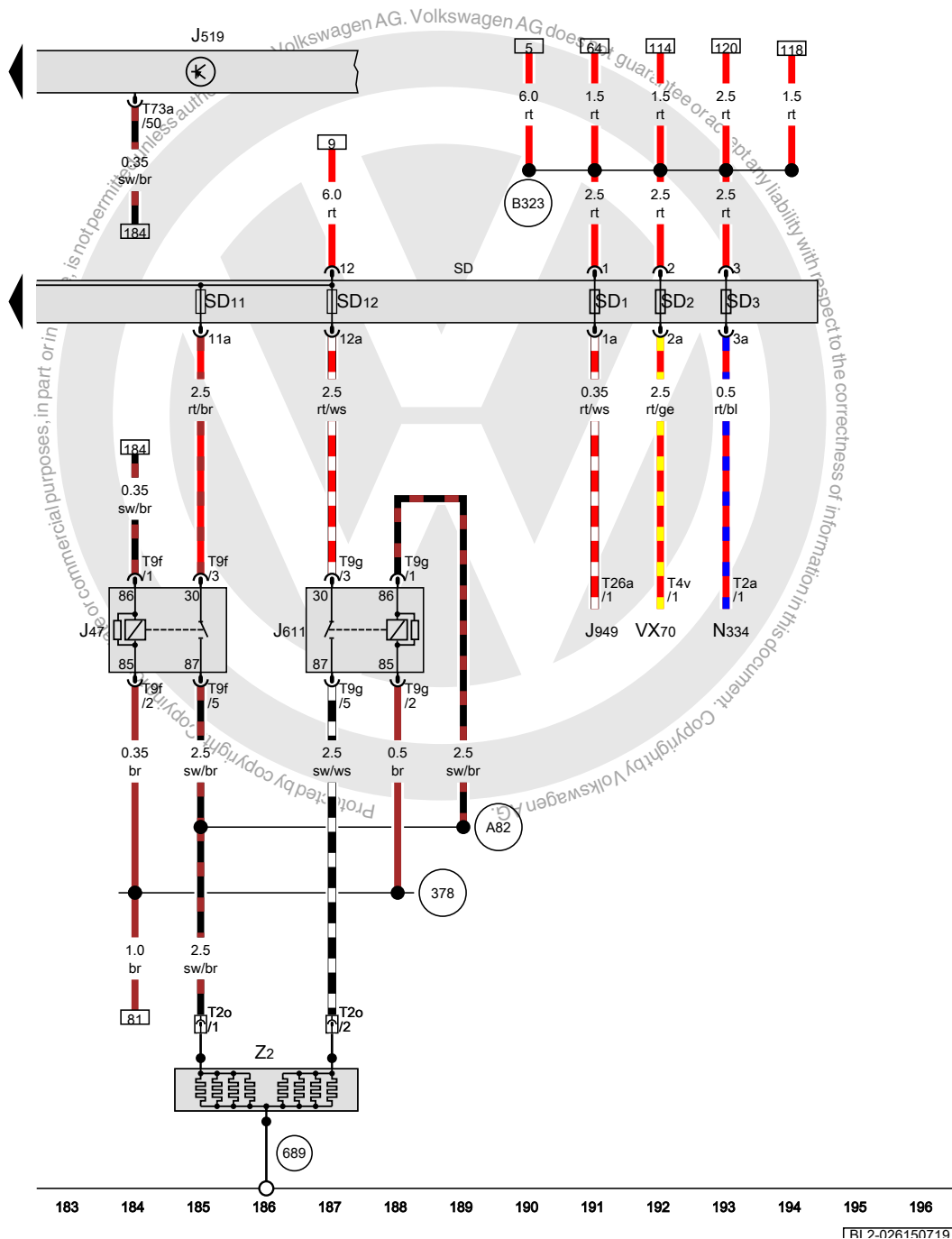


## Rain and light sensor, Fuse holder D

- AX2 High-voltage battery 1
- G260 Humidity sender for air conditioning system
- G397 Rain and light sensor
- J519 Onboard supply control unit
- J966 Charge voltage control unit for high-voltage battery
- SD Fuse holder D
- SD6 Fuse 6 on fuse holder D
- SD8 Fuse 8 on fuse holder D
- SD9 Fuse 9 on fuse holder D
- SD10 Fuse 10 on fuse holder D
- T3ac 3-pin connector, black
- T4w 4-pin connector
- T14a 14-pin connector, on left in engine compartment
- T14c 14-pin connector
- T26i 26-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- TW Maintenance connector for high-voltage system

- A1 Positive connection (30a), in dash panel wiring harness
- P5 Positive connection 1, in high-voltage battery wiring harness
- P6 Positive connection 2, in high-voltage battery wiring harness
- \* According to equipment





# Heated windscreen relay, Heated windscreen relay 2, Fuse holder D, Heated windscreen

- J47 Heated windscreen relay
- J519 Onboard supply control unit
- J611 Heated windscreen relay 2
- J949 Emergency call module control unit and communication unit
- N334 Ignition key withdrawal lock solenoid valve
- SD Fuse holder D
- SD1 Fuse 1 on fuse holder D
- SD2 Fuse 2 on fuse holder D
- SD3 Fuse 3 on fuse holder D
- SD11 Fuse 11 on fuse holder D
- SD12 Fuse 12 on fuse holder D
- T2a 2-pin connector
- T2o 2-pin connector, central in plenum chamber
- T4v 4-pin connector
- T9f 9-pin connector
- T9g 9-pin connector
- T26a 26-pin connector
- T73a 73-pin connector
- VX70 Brake system pressure accumulator
- Z2 Heated windscreen

- 378 Earth connection 13, in main wiring harness
- 689 Earth point, at front, central in roof
- A82 Connection (windscreen heater), in dash panel wiring harness
- B323 Positive connection 9 (30a) in main wiring harness

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

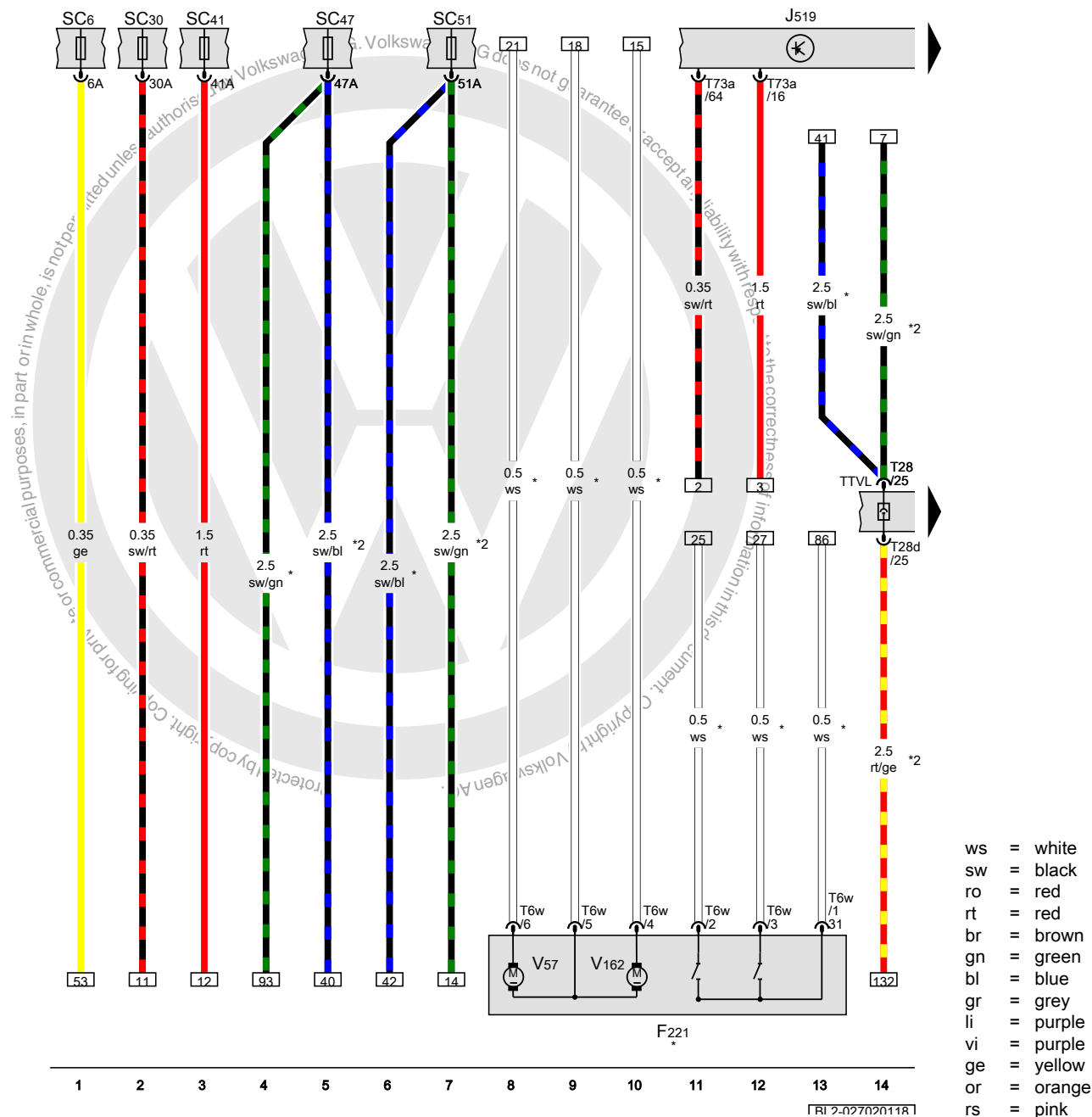
## Convenience system

From August 2016

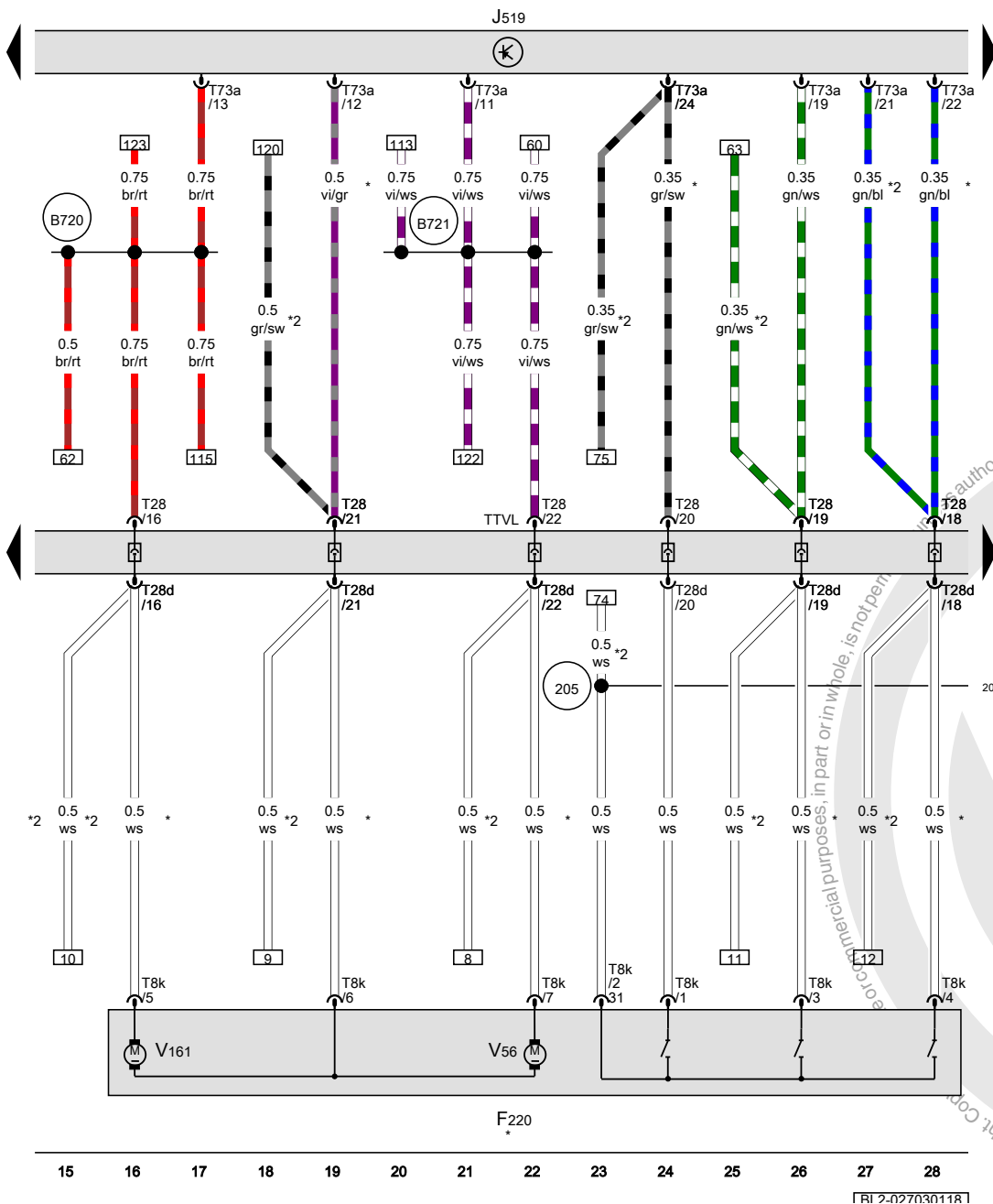


Front passenger side central locking lock unit, Onboard supply control unit

- F221 Front passenger side central locking lock unit, in front passenger door
- J519 Onboard supply control unit, on dash panel insert
- SC6 Fuse 6 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T6w 6-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- TTVL Coupling point for front left door
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor
- \* For right-hand drive models
- \*2 For left-hand drive models



Driver side central locking lock unit, Onboard supply control unit



- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T8k 8-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- TTVL Coupling point for front left door
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

205 Earth connection, in driver door wiring harness

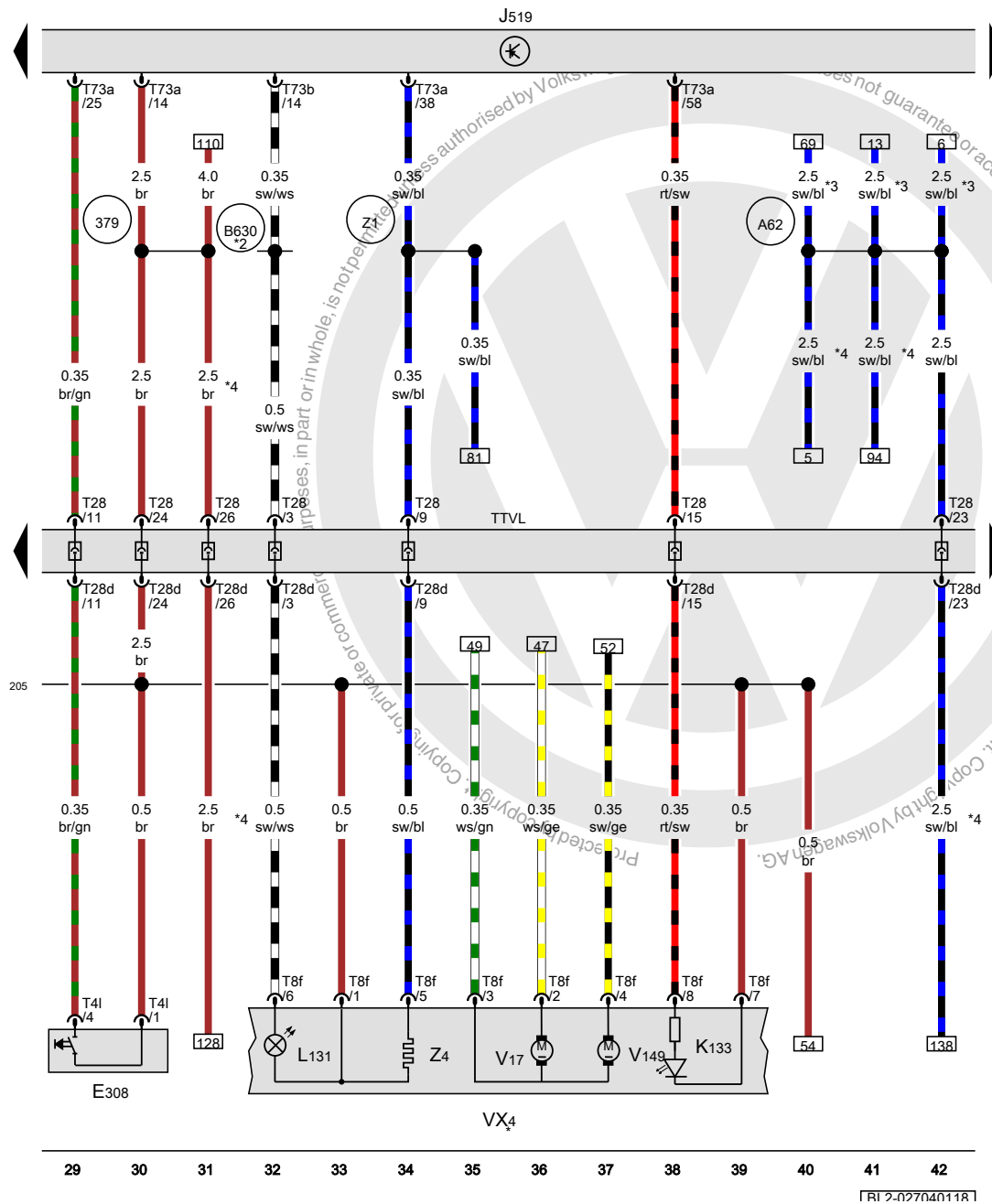
B720 Connection 1 (central locking), in main wiring harness

B721 Connection 2 (central locking), in main wiring harness

\* For left-hand drive models

\*2 For right-hand drive models

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- rs = pink



# Driver side interior locking button for central locking system, Onboard supply control unit, Central locking SAFELOCK function warning lamp

- E308 Driver side interior locking button for central locking system, in driver door
- J519 Onboard supply control unit, on dash panel insert
- K133 Central locking SAFELOCK function warning lamp, in driver door
- L131 Driver side turn signal repeater bulb
- T4l 4-pin connector, blue
- T8f 8-pin connector
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- T73b 73-pin connector, black
- TTVL Coupling point for front left door
- 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
- 205 Earth connection, in driver door wiring harness
- 379 Earth connection 14, in main wiring harness
- A62 Connection (window regulators), in dash panel wiring harness
- B630 Positive connection (left turn signal bulb), in main wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness
- \* Pre-wired component
- \*2 see applicable current flow diagram for basic equipment
- \*3 For right-hand drive models
- \*4 For left-hand drive models

Mirror adjustment switch, Onboard supply control unit

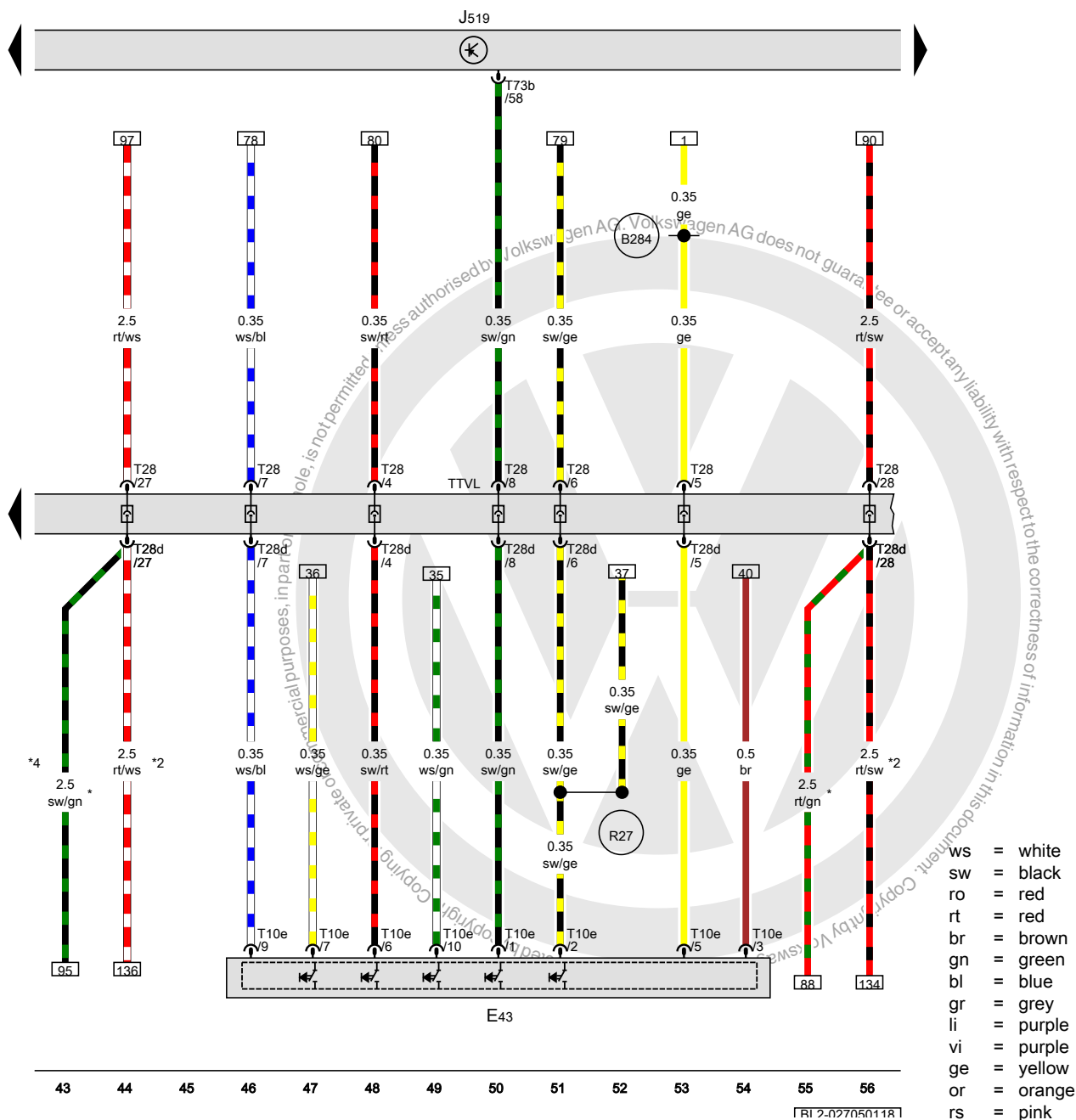
- E43 Mirror adjustment switch, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T10e 10-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73b 73-pin connector, black
- TTVL Coupling point for front left door

B284 Positive connection 8 (15a) in main wiring harness

R27 Connection (mirror adjustment), in driver door wiring harness

\* For right-hand drive models

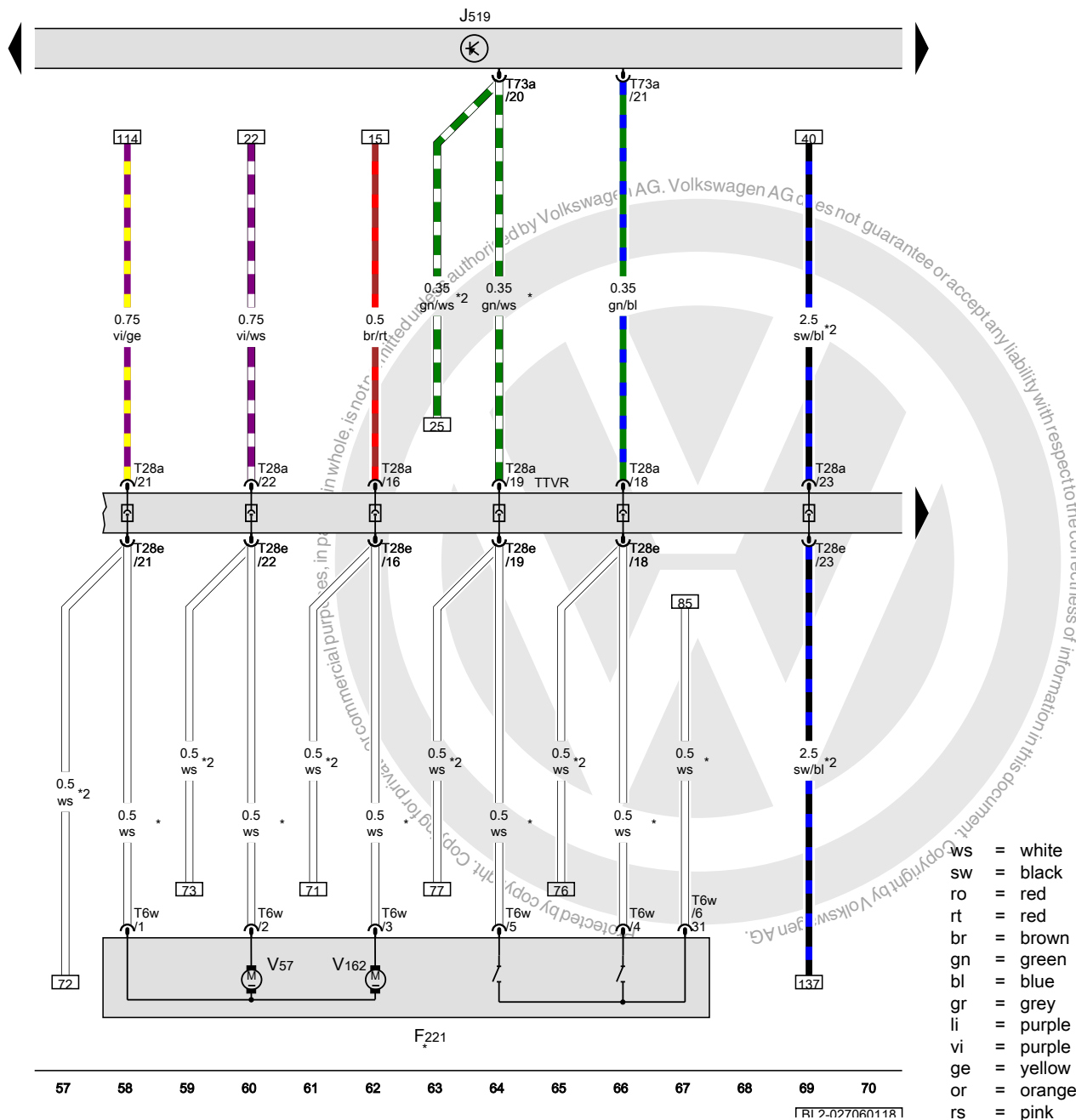
\*2 For left-hand drive models



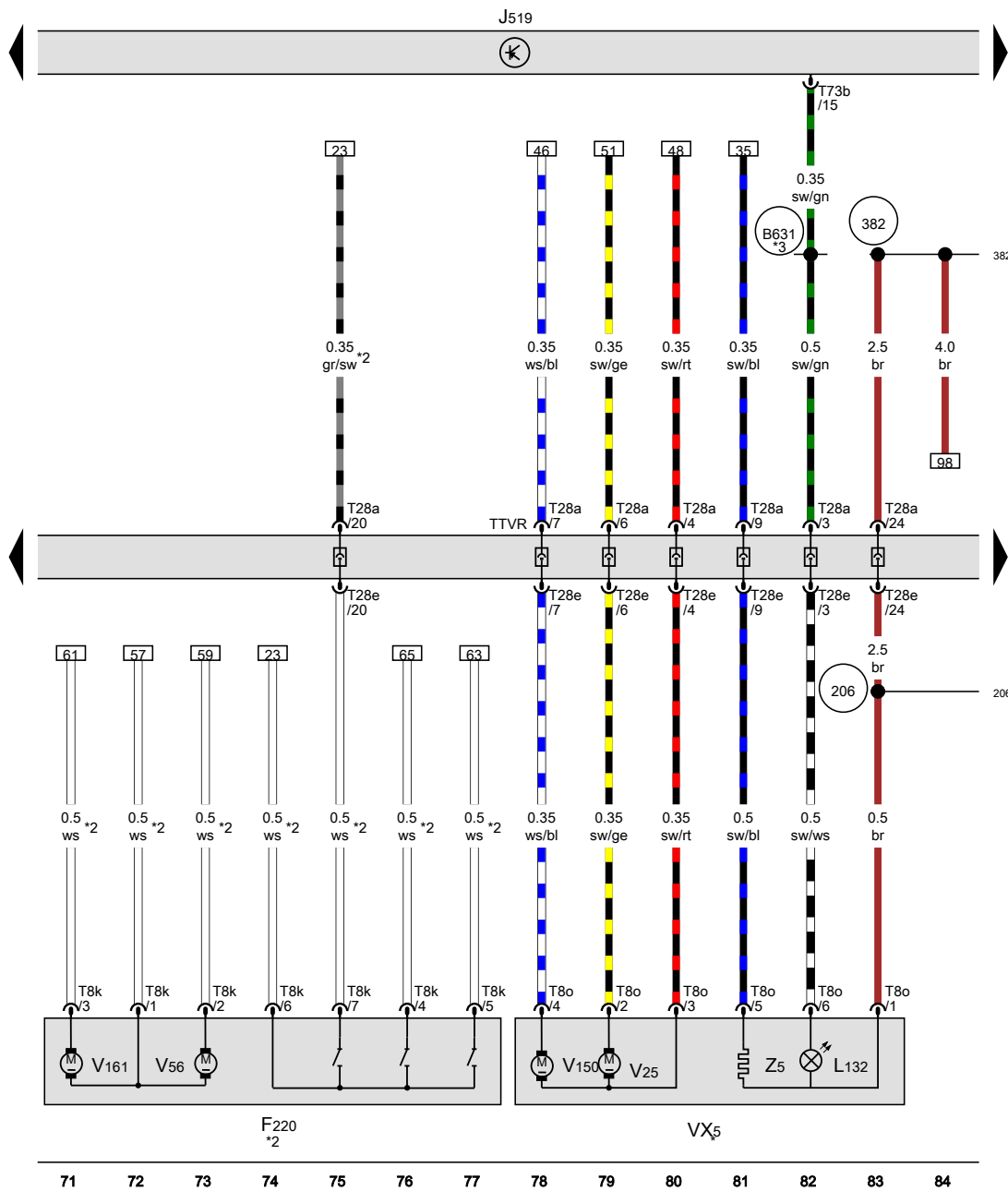
[RI 2-027050118]

Front passenger side central locking lock unit, Onboard supply control unit

- F221 Front passenger side central locking lock unit, in front passenger door
- J519 Onboard supply control unit, on dash panel insert
- T6w 6-pin connector, black
- T28a 28-pin connector
- T28e 28-pin connector
- T73a 73-pin connector, black
- TTVR Coupling point for front right door
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor
- \* For left-hand drive models
- \*2 For right-hand drive models



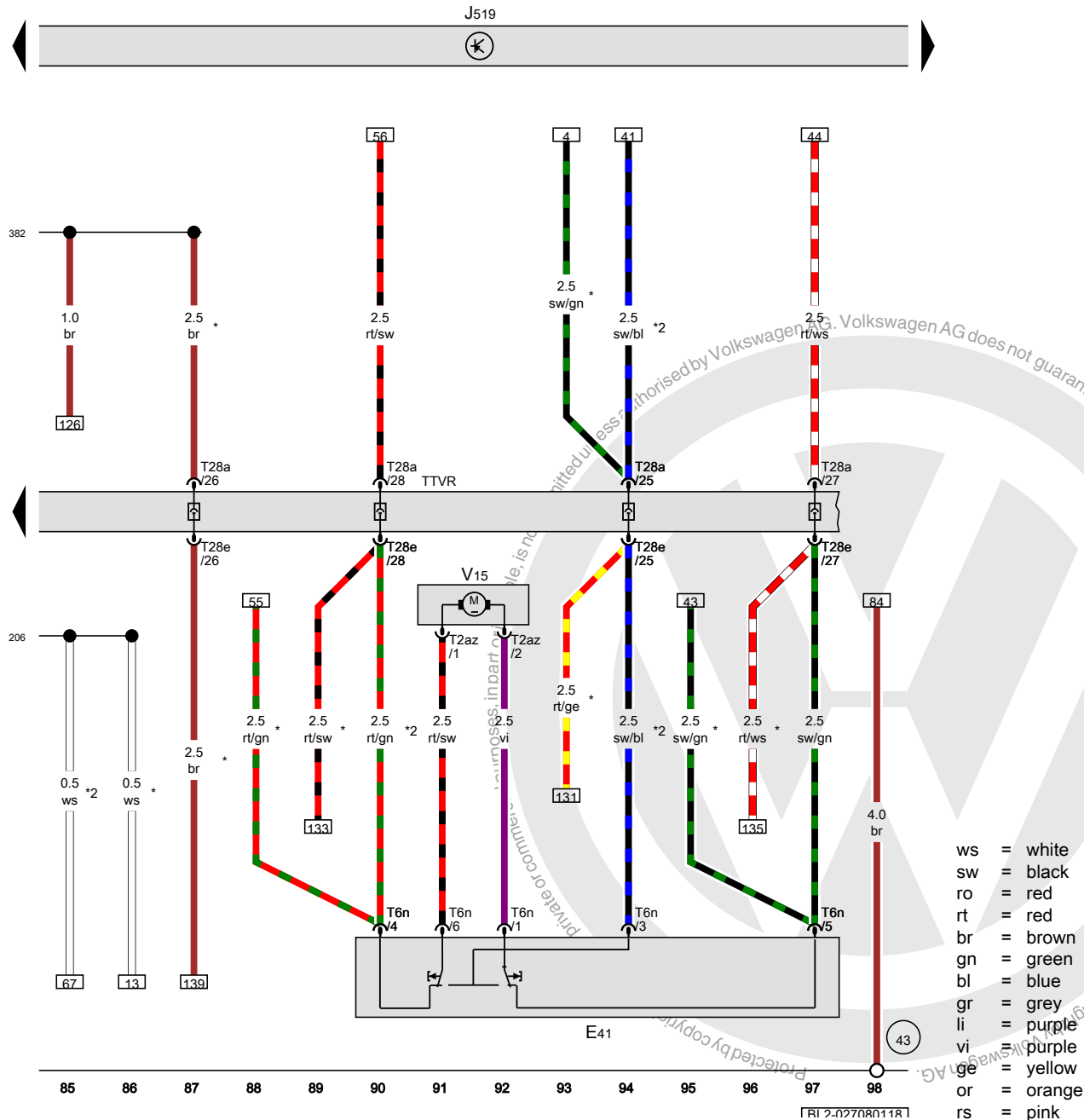
Driver side central locking lock unit, Onboard supply control unit



- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- L132 Front passenger side turn signal repeater bulb
- T8k 8-pin connector
- T8o 8-pin connector
- T28a 28-pin connector
- T28e 28-pin connector
- T73b 73-pin connector, black
- TTVR Coupling point for front right door
- VX5 Passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor 2
- V56 Driver door central locking motor
- V150 Front passenger side mirror adjustment motor
- V161 Driver door central locking SAFELock function motor
- Z5 Heated exterior mirror on passenger side
- 206 Earth connection, in front passenger door wiring harness
- 382 Earth connection 17, in main wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- \* Pre-wired component
- \*2 For right-hand drive models
- \*3 see applicable current flow diagram for basic equipment



Front right window regulator switch, Onboard supply control unit, Right window regulator motor



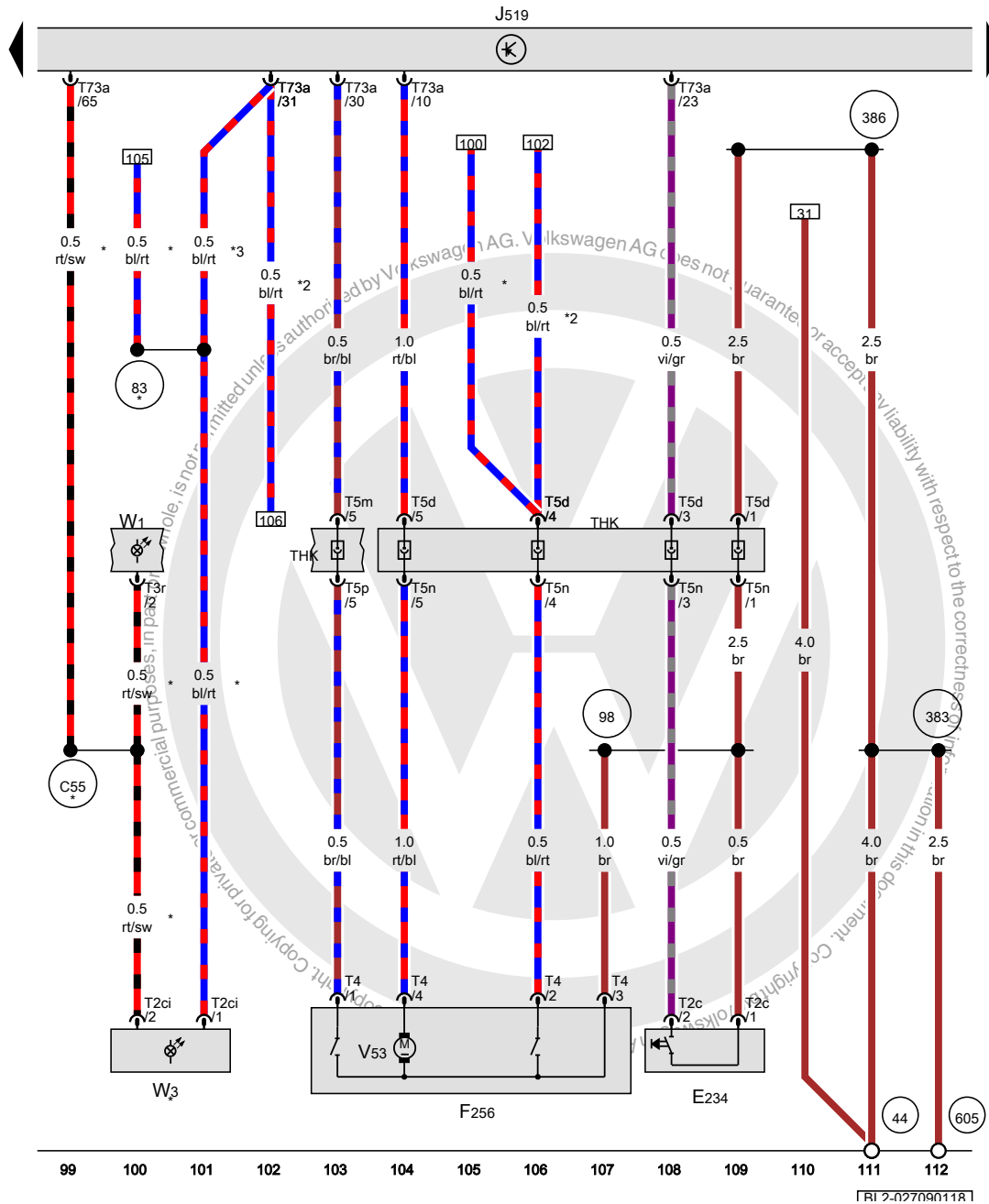
- E41 Front right window regulator switch, in front passenger door
- J519 Onboard supply control unit, on dash panel insert
- T2az 2-pin connector, black
- T6n 6-pin connector, black
- T28a 28-pin connector
- T28e 28-pin connector
- TTVR Coupling point for front right door
- V15 Right window regulator motor, in front passenger door

- 43 Earth point, lower part of right A-pillar
- 206 Earth connection, in front passenger door wiring harness
- 382 Earth connection 17, in main wiring harness

- \* For right-hand drive models
- \*2 For left-hand drive models

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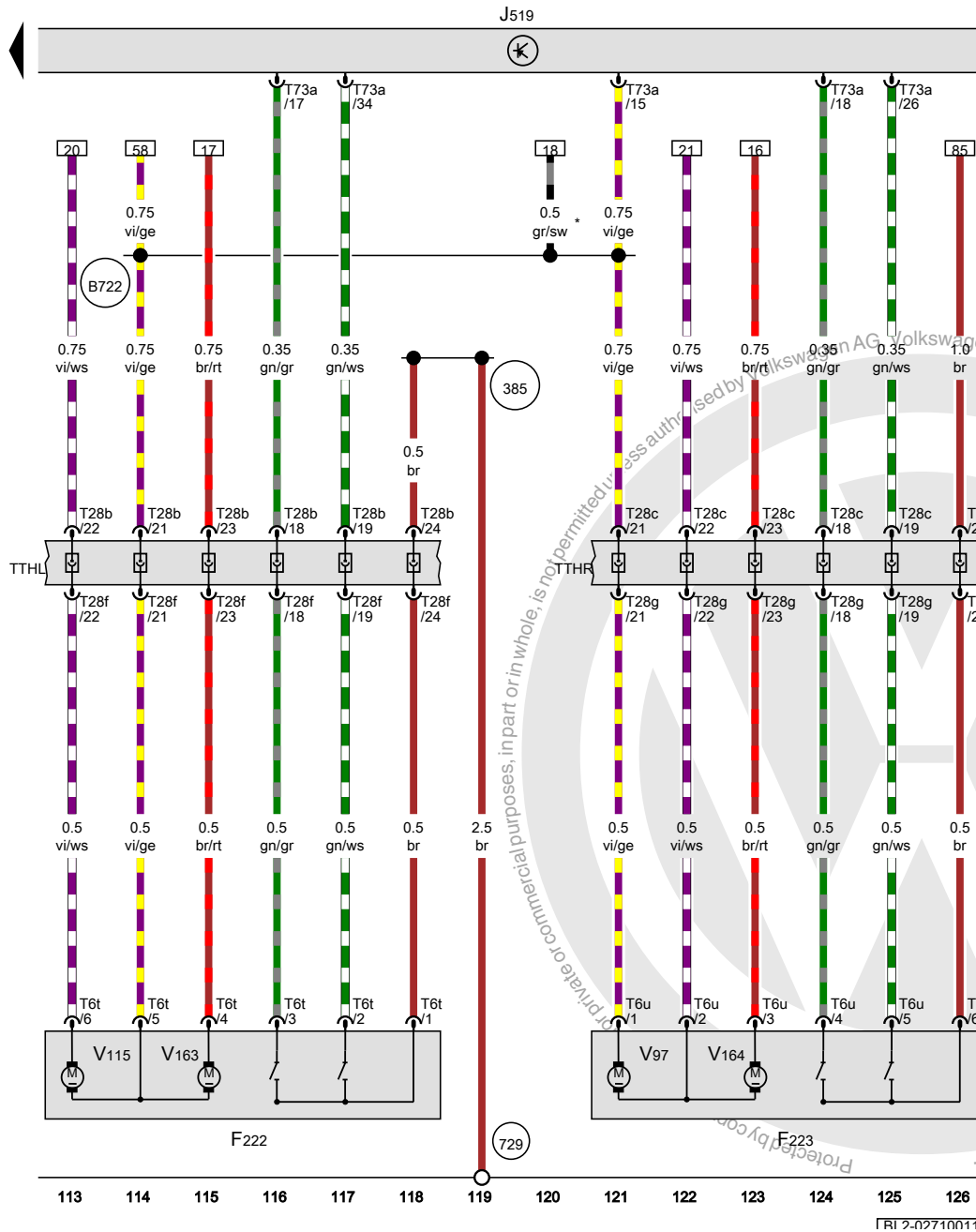
Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, Front interior light



- E234 Rear lid handle release button, in rear lid
- F256 Rear lid lock unit, in rear lid
- J519 Onboard supply control unit, on dash panel insert
- T2c 2-pin connector, black
- T2ci 2-pin connector, black
- T3r 3-pin connector, black
- T4 4-pin connector, black
- T5d 5-pin connector, black
- T5m 5-pin connector, brown
- T5n 5-pin connector, black
- T5p 5-pin connector, brown
- T73a 73-pin connector, black
- THK Coupling point for rear lid
- V53 Rear lid central locking motor
- W1 Front interior light
- W3 Luggage compartment light
- 44 Earth point, lower part of left A-pillar
- 83 Earth connection 1, in front right wiring harness
- 98 Earth connection, in rear lid wiring harness
- 383 Earth connection 18, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- C55 Positive connection (30a), in front left wiring harness
- \* For models with luggage compartment light
- \*2 For models with no luggage compartment light
- \*3 According to equipment

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
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Rear left central locking lock unit, Rear right central locking lock unit, Onboard supply control unit

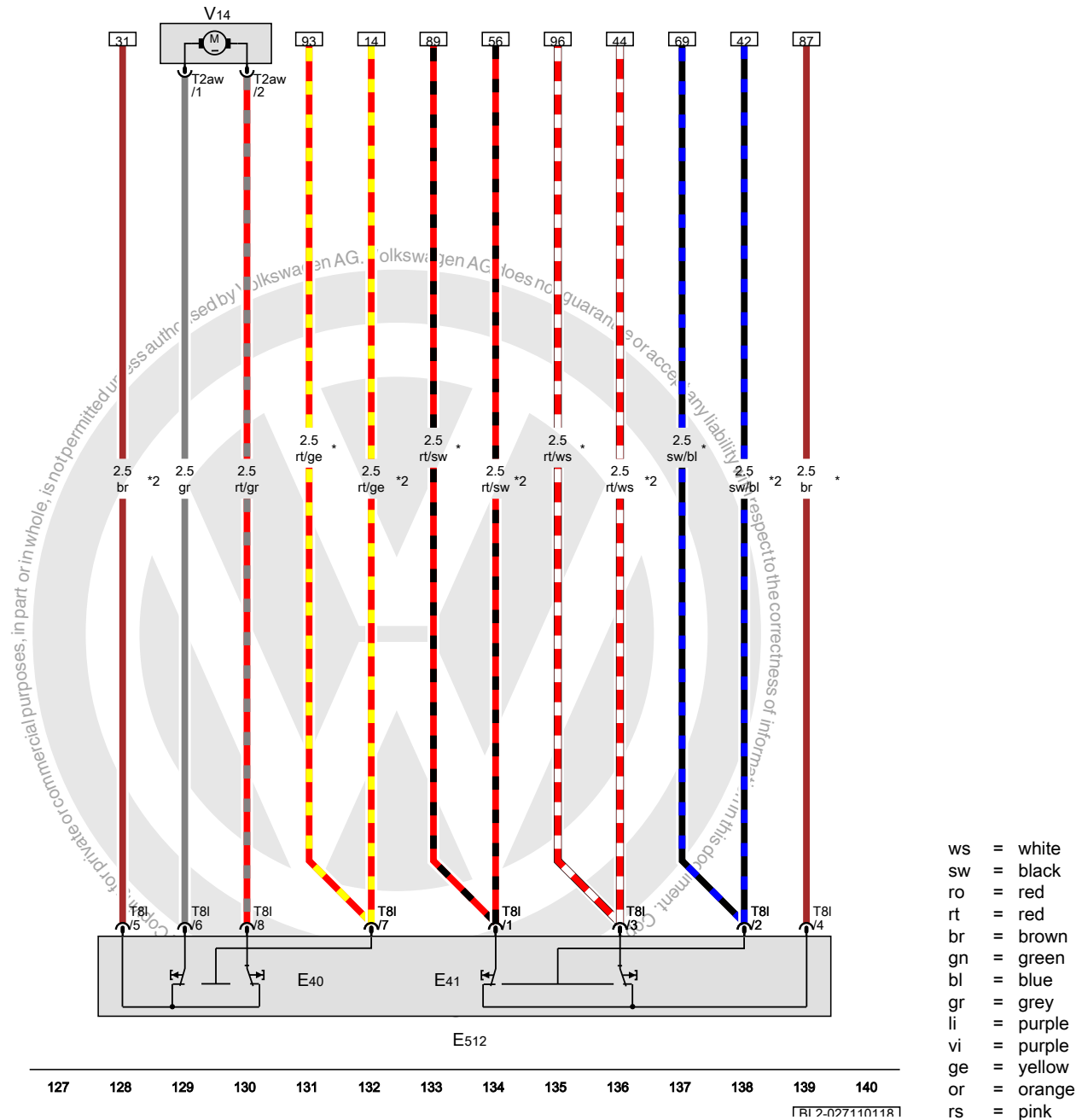


- F222 Rear left central locking lock unit, in rear left door
- F223 Rear right central locking lock unit, in rear right door
- J519 Onboard supply control unit, on dash panel insert
- T6t 6-pin connector, black
- T6u 6-pin connector, black
- T28b 28-pin connector
- T28c 28-pin connector
- T28f 28-pin connector, black
- T28g 28-pin connector
- T73a 73-pin connector, black
- TTHL Coupling point for rear left door
- TTHR Coupling point for rear right door
- V97 Rear right door central locking motor
- V115 Rear left door central locking motor
- V163 Rear left door central locking SAFELOCK function motor
- V164 Rear right door central SAFELOCK function locking motor

- 385 Earth connection 20, in main wiring harness
- 729 Earth point, on left rear wheel housing
- B722 Connection 3 (central locking), in main wiring harness
- \* For right-hand drive models

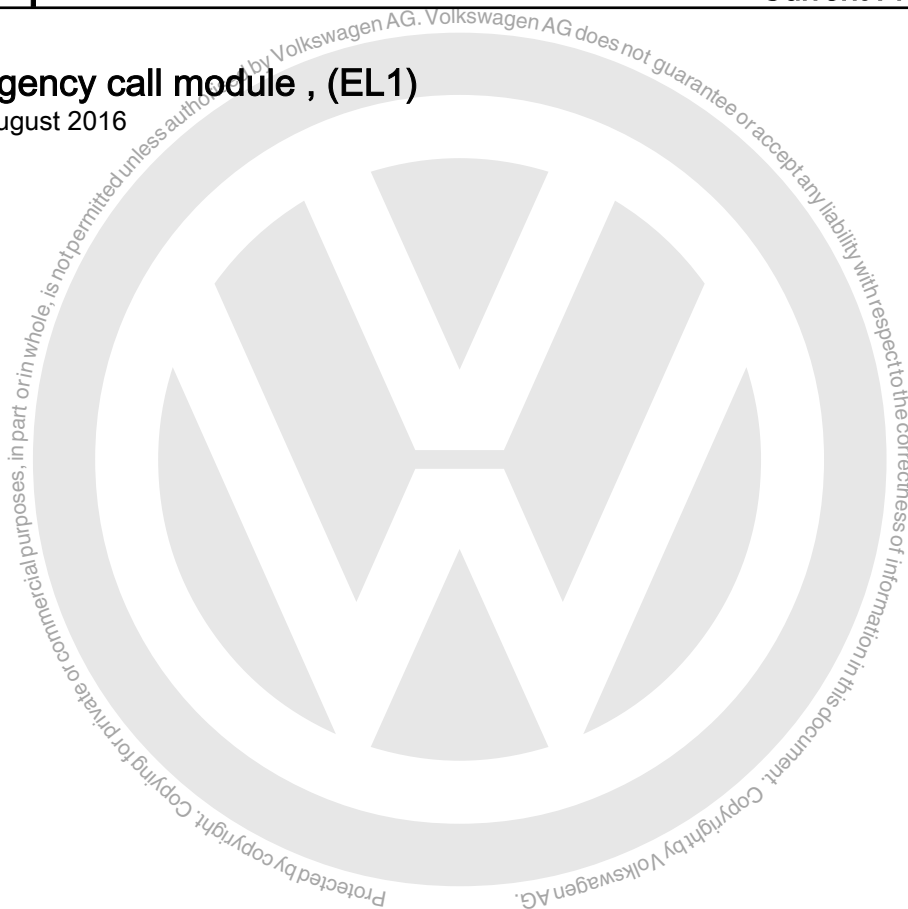
Operating unit for window regulator in driver door, Left  
window regulator motor

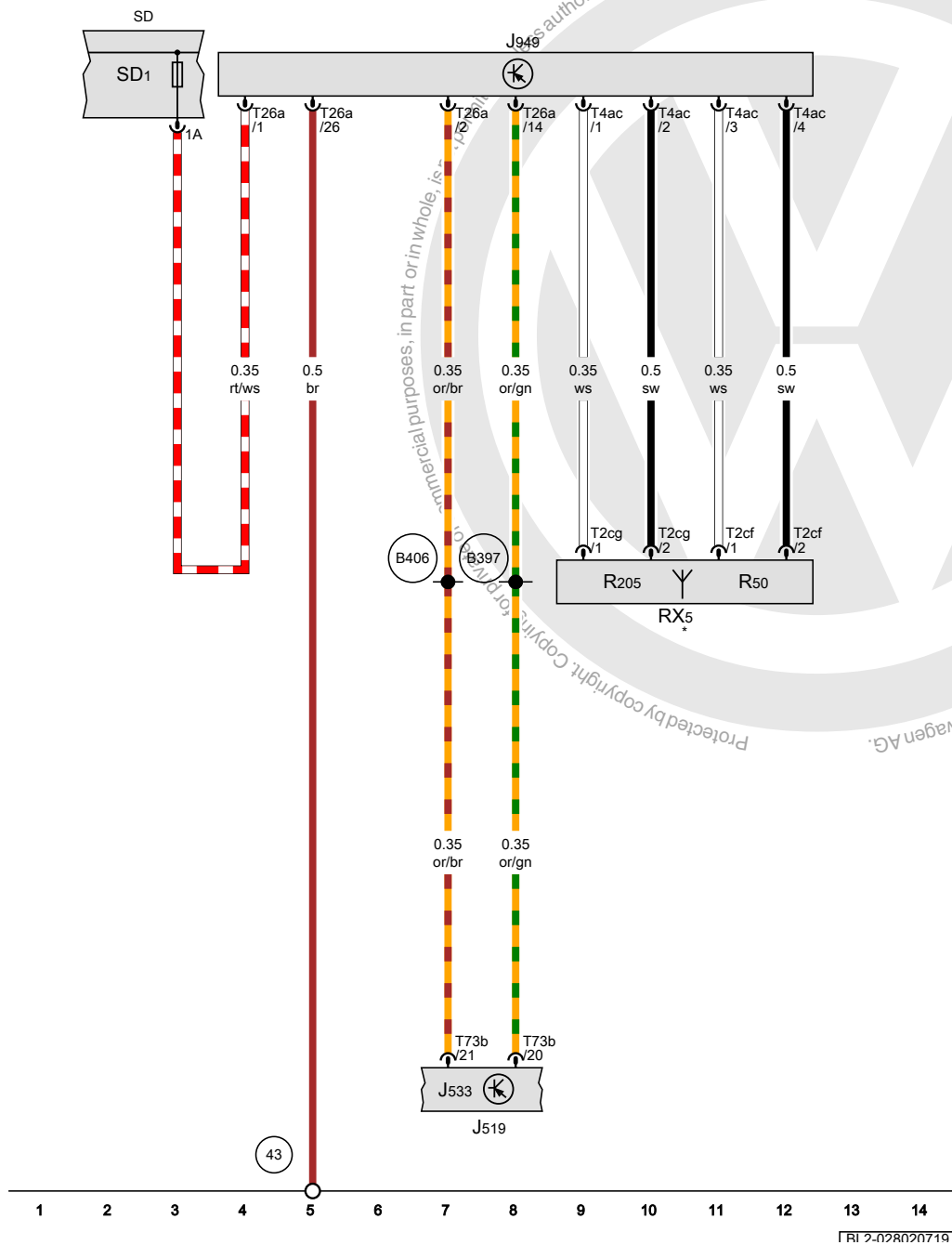
- E40 Front left window regulator switch
- E41 Front right window regulator switch
- E512 Operating unit for window regulator in driver door, in driver door
- T2aw 2-pin connector, black
- T8l 8-pin connector, black
- V14 Left window regulator motor, in driver door
- \* For right-hand drive models
- \*2 For left-hand drive models



## Emergency call module , (EL1)

From August 2016





Onboard supply control unit, Emergency call module control unit and communication unit, Roof aerial, Fuse holder D

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J949 Emergency call module control unit and communication unit
- RX5 Roof aerial
- R50 GPS aerial
- R205 GSM aerial
- SD Fuse holder D
- SD1 Fuse 1 on fuse holder D
- T2cf 2-pin connector, black
- T2cg 2-pin connector, black
- T4ac 4-pin connector, black
- T26a 26-pin connector, black
- T73b 73-pin connector, colourless

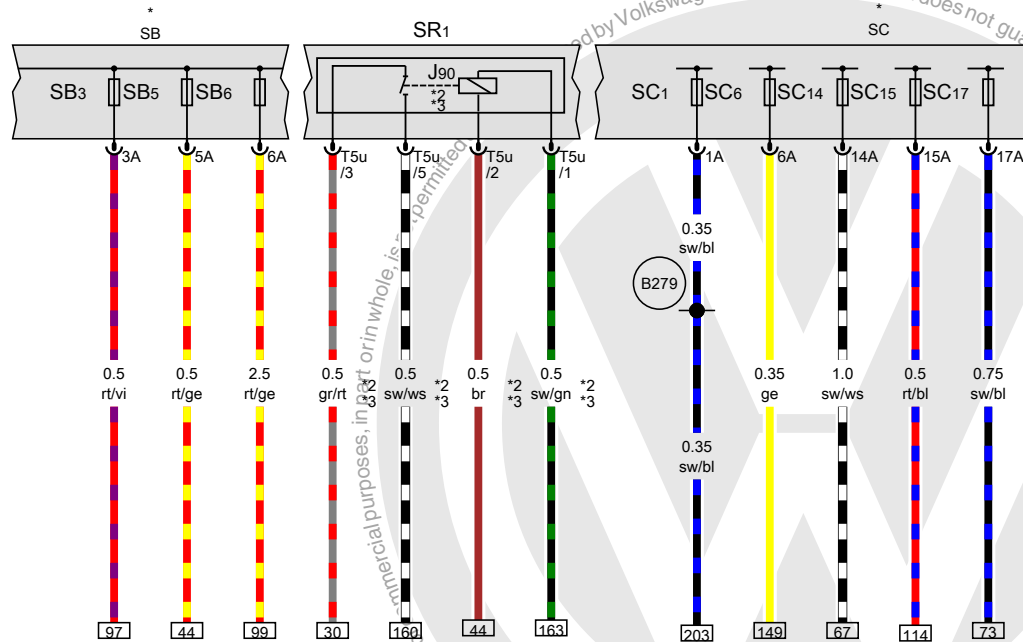
- 43 Earth point, lower part of right A-pillar
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- \* Pre-wired component

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## Basic equipment

From November 2017





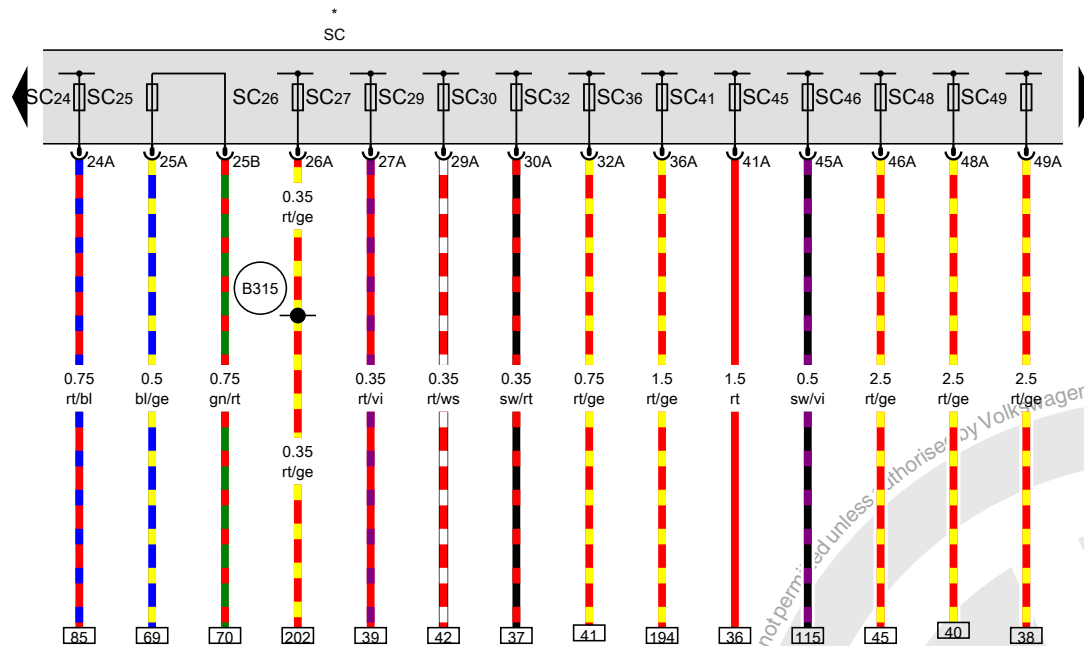
Daytime running light switch-on relay, Fuse holder B, Fuse holder C, Relay and fuse carrier 1

- J90 Daytime running light switch-on relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SR1 Relay and fuse carrier 1
- SC6 Fuse 6 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T5u 5-pin connector, black
- B279 Positive connection 3 (15a) in main wiring harness

- \* see applicable current flow diagram for fuse assignment
- \*2 Up to November 2016
- \*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



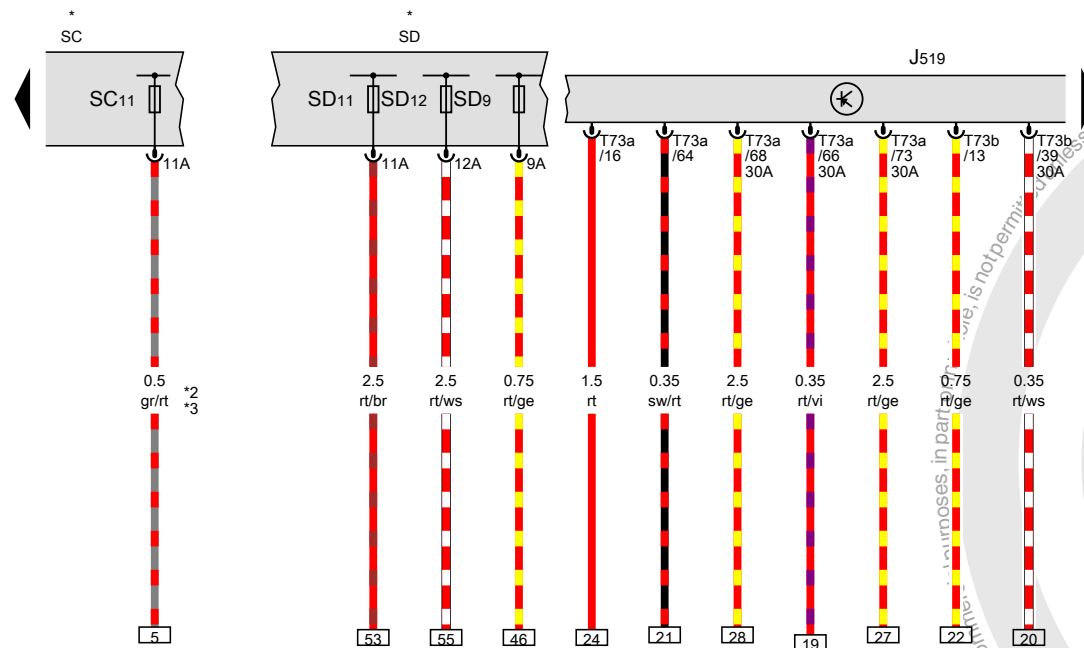


### Fuse holder C

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
SC30	Fuse 30 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC36	Fuse 36 on fuse holder C
SC41	Fuse 41 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
SC49	Fuse 49 on fuse holder C

B315 Positive connection 1 (30a) in main wiring harness  
\* see applicable current flow diagram for fuse assignment

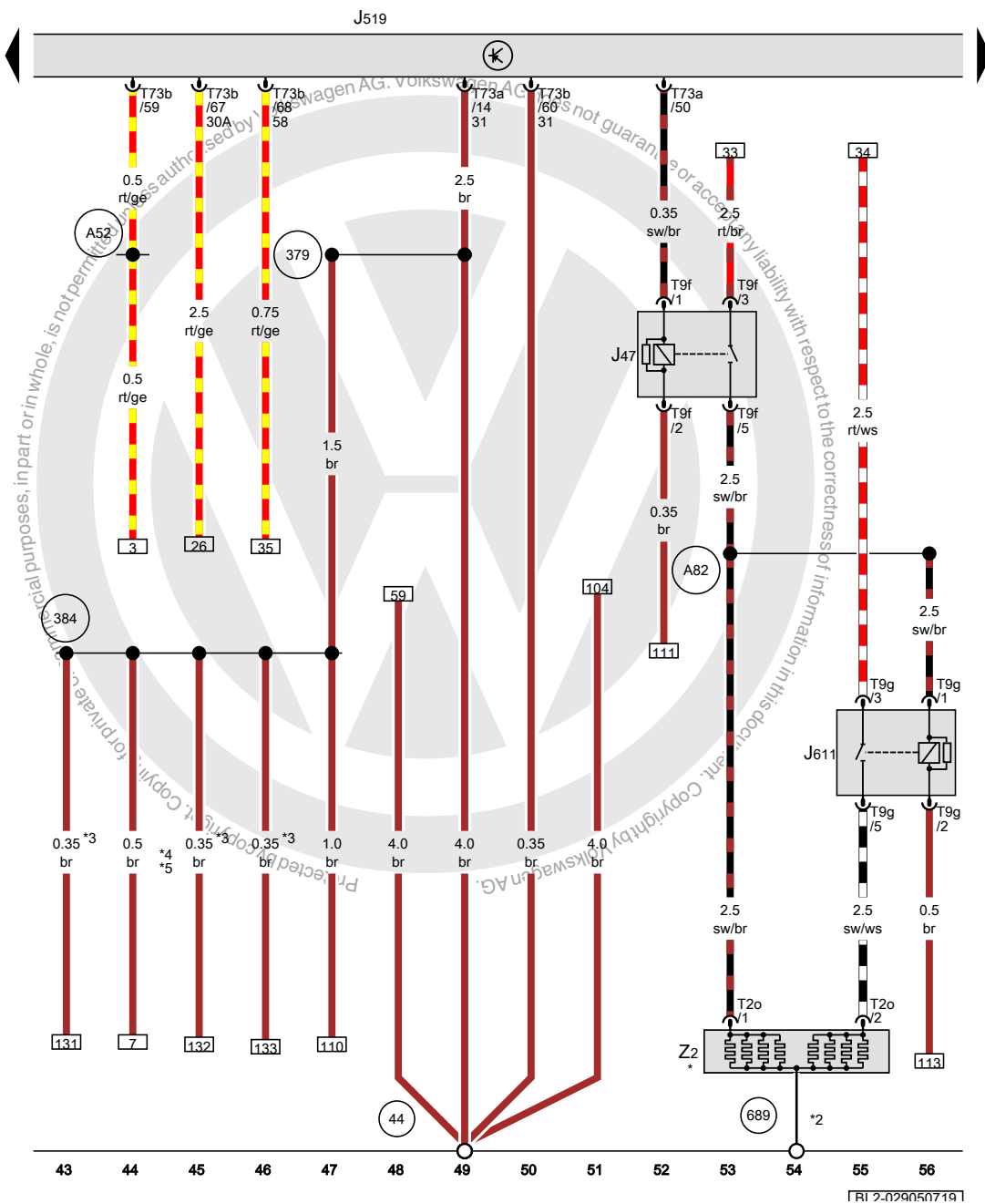
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# Onboard supply control unit, Fuse holder C, Fuse holder D

- J519 Onboard supply control unit
- SC Fuse holder C
- SD Fuse holder D
- SD9 Fuse 9 on fuse holder D
- SD11 Fuse 11 on fuse holder D
- SC11 Fuse 11 on fuse holder C
- SD12 Fuse 12 on fuse holder D
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- \* see applicable current flow diagram for fuse assignment
- \*2 Up to November 2016
- \*3 According to equipment

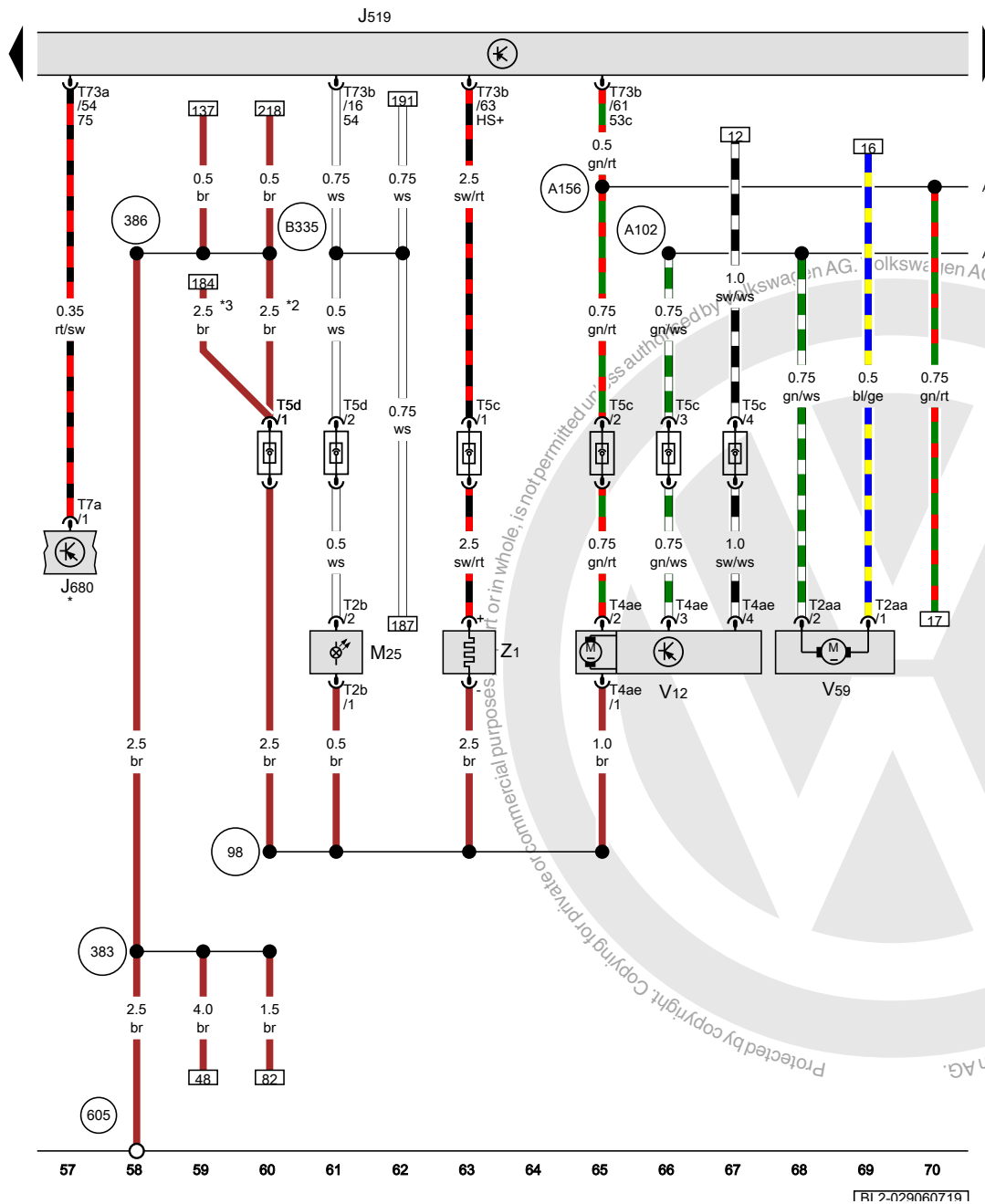
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Heated windscreen relay, Onboard supply control unit,  
Heated windscreen relay 2, Heated windscreen

- J47 Heated windscreen relay
- J519 Onboard supply control unit
- J611 Heated windscreen relay 2
- T2o 2-pin connector, black
- T9f 9-pin connector, black
- T9g 9-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- Z2 Heated windscreen
- 44 Earth point, lower part of left A-pillar
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- 689 Earth point, at front, central in roof
- A52 Positive connection 2 (30), in dash panel wiring harness
- A82 Connection (windscreen heater), in dash panel wiring harness
- \* Pre-wired component
- \*2 Earth supply via housing
- \*3 For models with background lighting
- \*4 Up to November 2016
- \*5 According to equipment

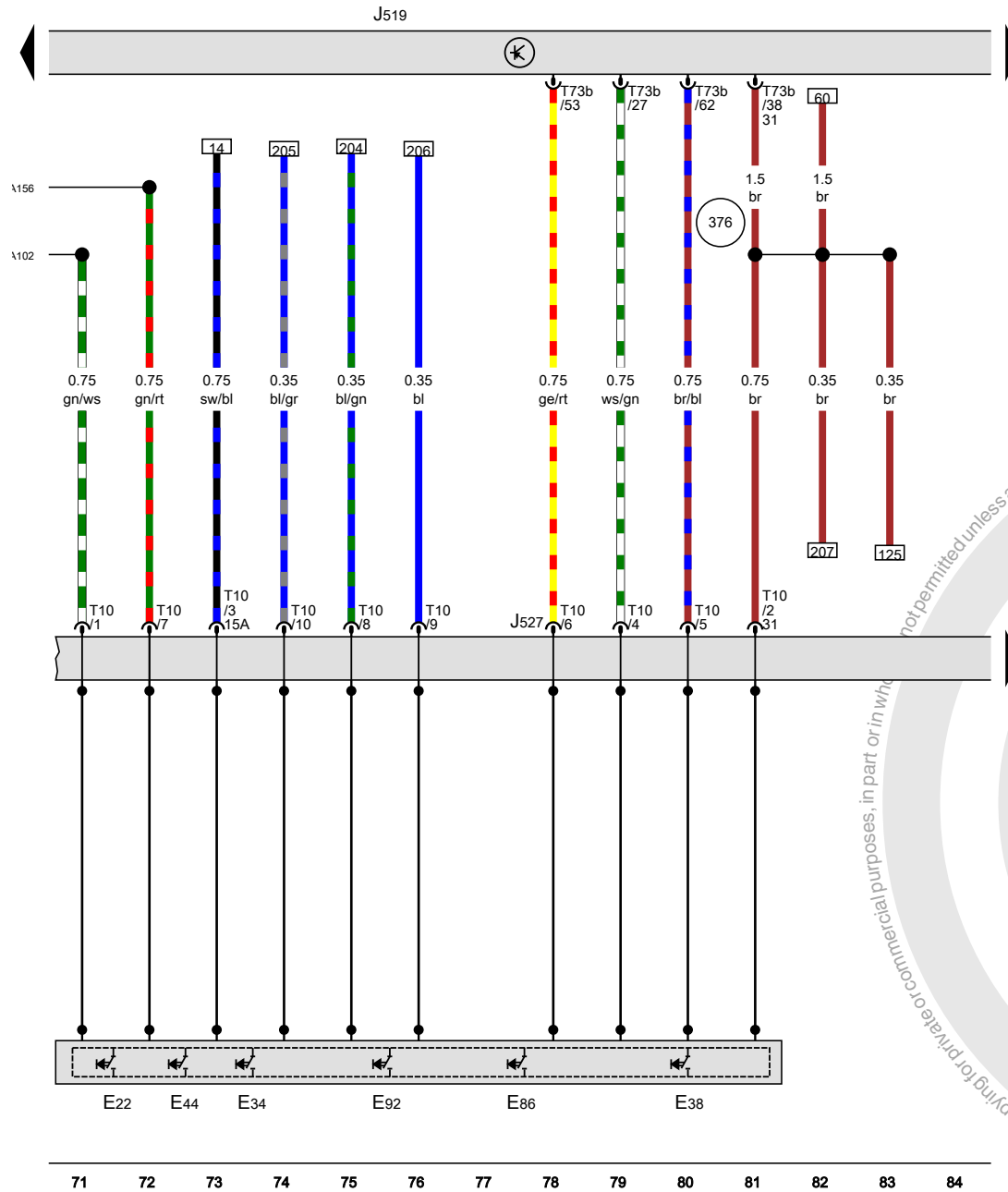
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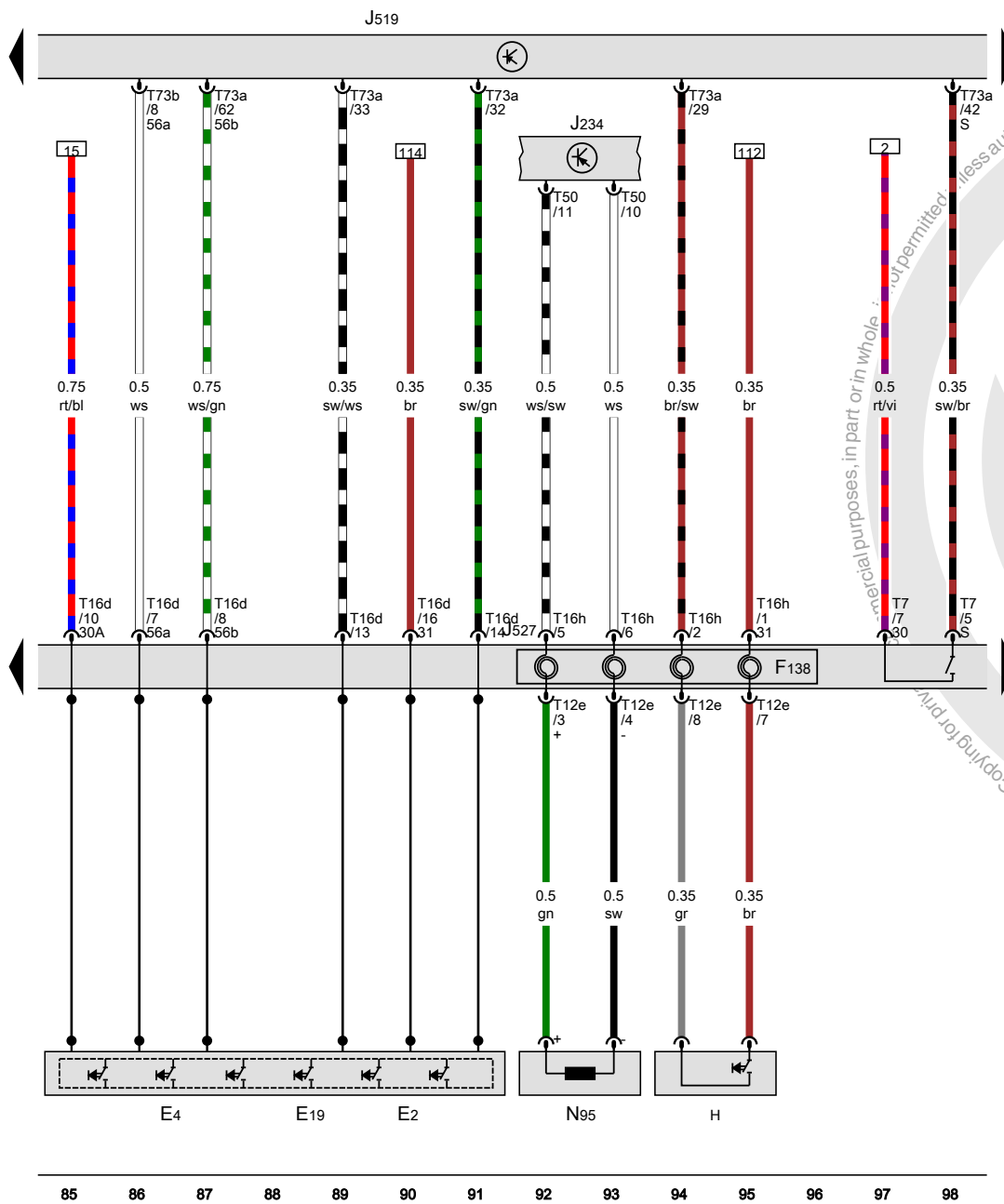
Onboard supply control unit, High-level brake light bulb, Rear window wiper motor, Windscreen and rear window washer pump, Heated rear window

- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- M25 High-level brake light bulb
- T2aa 2-pin connector, black
- T2b 2-pin connector, black
- T4ae 4-pin connector, black
- T5c 5-pin connector, brown
- T5d 5-pin connector, black
- T7a 7-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V12 Rear window wiper motor
- V59 Windscreen and rear window washer pump
- Z1 Heated rear window

- 98 Earth connection, in rear lid wiring harness
- 383 Earth connection 18, in main wiring harness
- 386 Earth connection 21, in main wiring harness
- 605 Earth point, on top end of steering column
- A102 Connection (windscreen wiper), in dash panel wiring harness
- A156 Connection (53c), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness
- see applicable current flow diagram for fuse assignment
- \*2 Up to August 2019
- \*3 From August 2019



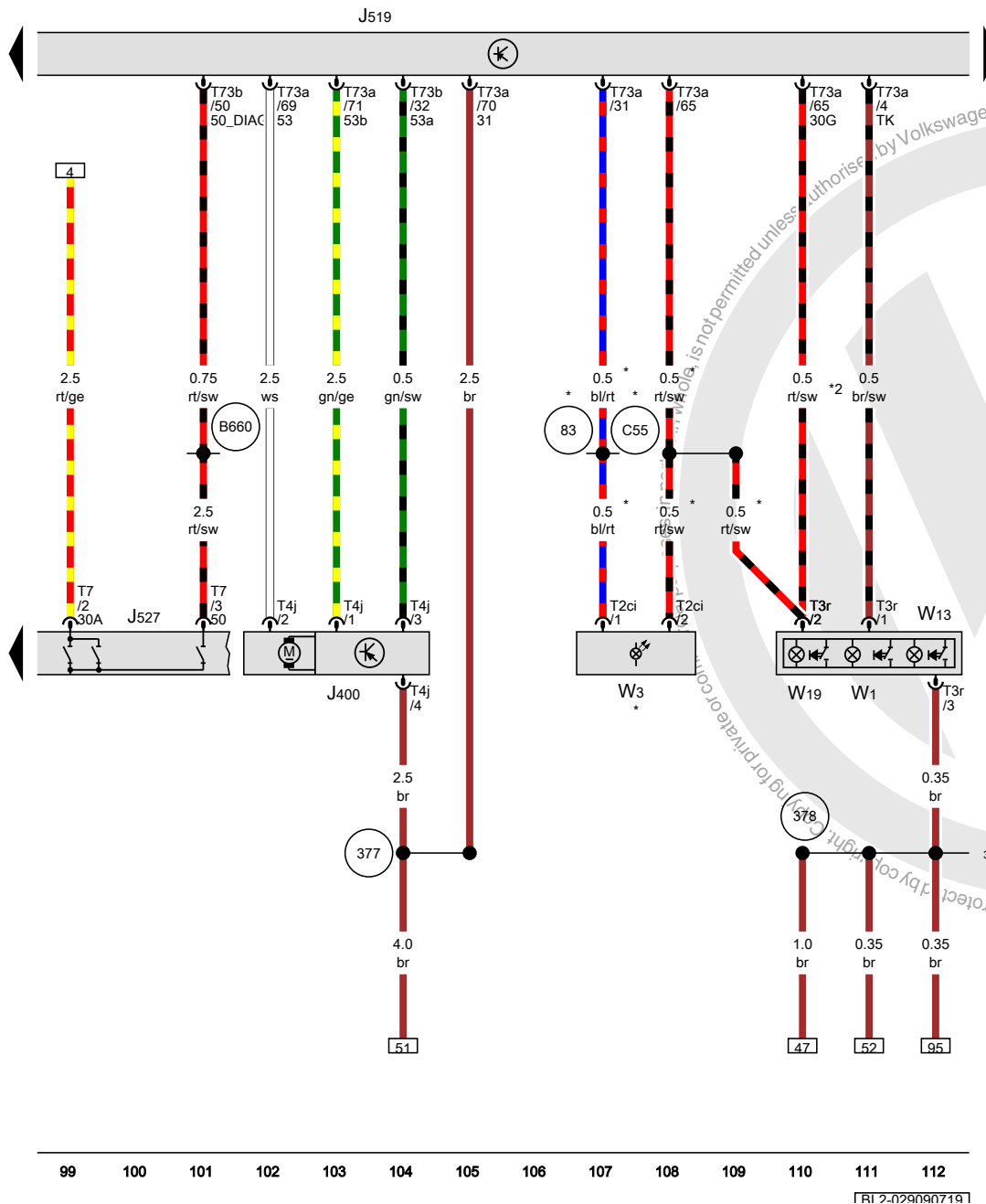
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Turn signal switch, Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit, Onboard supply control unit, Steering column electronics control unit, Airbag igniter on driver side

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- F138 Airbag coil connector and return ring with slip ring
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N95 Airbag igniter on driver side
- T7 7-pin connector, black
- T12e 12-pin connector, black
- T16d 16-pin connector, black
- T16h 16-pin connector, black
- T50 50-pin connector, green
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

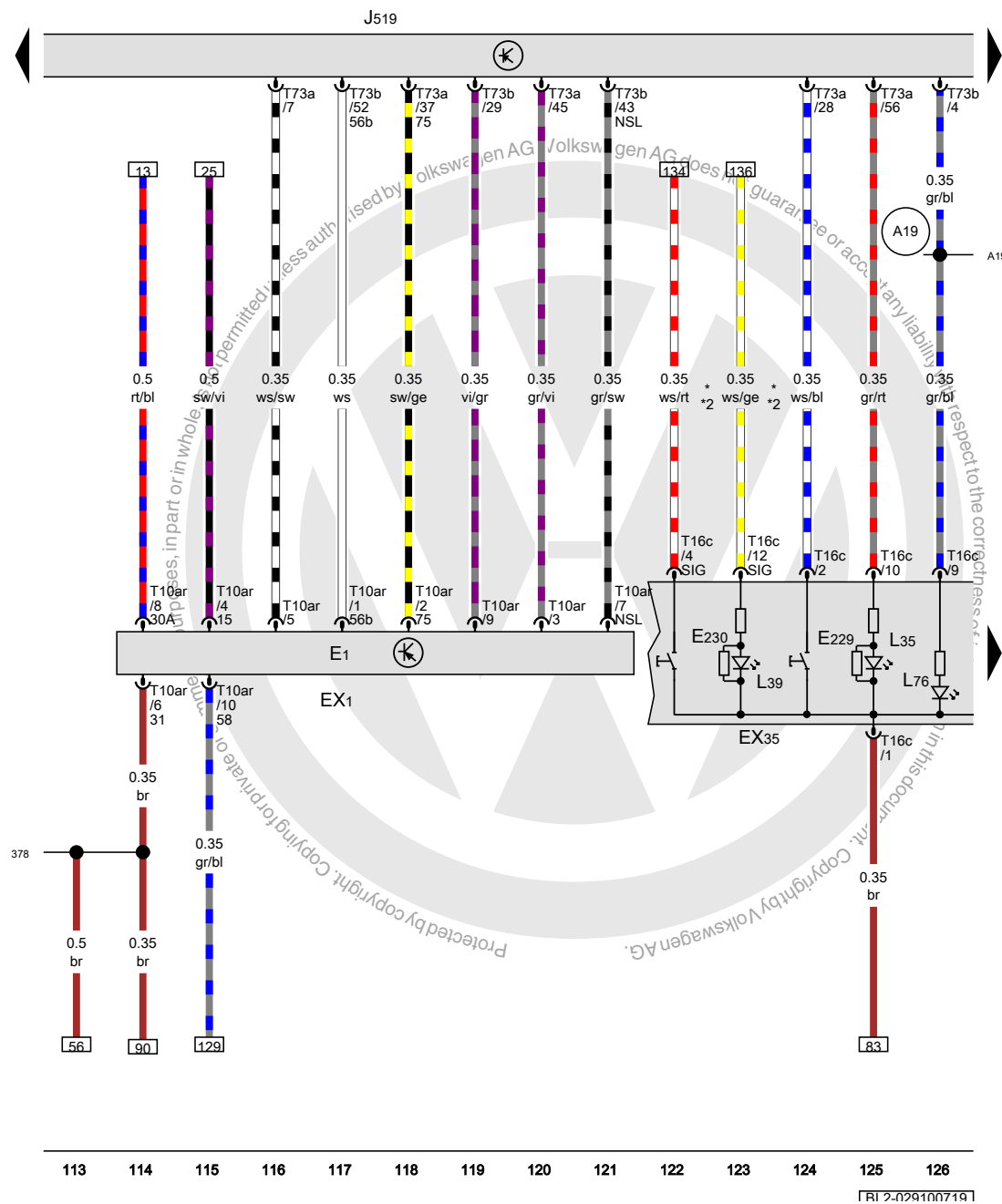
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Wiper motor control unit, Onboard supply control unit,  
Steering column electronics control unit, Front interior light,  
Luggage compartment light, Front passenger reading light,  
Driver side reading light

- |      |  |
|------|--|
| J400 | Wiper motor control unit                                   |
| J519 | Onboard supply control unit                                |
| J527 | Steering column electronics control unit                   |
| T2ci | 2-pin connector, black                                     |
| T3r  | 3-pin connector, black                                     |
| T4j  | 4-pin connector, black                                     |
| T7   | 7-pin connector, black                                     |
| T73a | 73-pin connector, black                                    |
| T73b | 73-pin connector, colourless                               |
| W1   | Front interior light                                       |
| W3   | Luggage compartment light                                  |
| W13  | Front passenger reading light                              |
| W19  | Driver side reading light                                  |
| 83   | Earth connection 1, in front right wiring harness          |
| 377  | Earth connection 12, in main wiring harness                |
| 378  | Earth connection 13, in main wiring harness                |
| B660 | Connection (diagnosis terminal 50), in main wiring harness |
| C55  | Positive connection (30a), in front left wiring harness    |
| *    | For models with luggage compartment light                  |
| *2   | For models with no luggage compartment light               |

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Rotary light switch, Centre switch module 2 in dash panel, Hazard warning lights button, Onboard supply control unit

- EX1 Rotary light switch
- E1 Light switch
- EX35 Centre switch module 2 in dash panel
- E229 Hazard warning lights button
- E230 Heated rear window button
- J519 Onboard supply control unit
- L35 Hazard warning lights switch illumination bulb
- L39 Heated rear window switch illumination bulb
- L76 Button illumination bulb
- T10ar 10-pin connector, black
- T16c 16-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

378 Earth connection 13, in main wiring harness

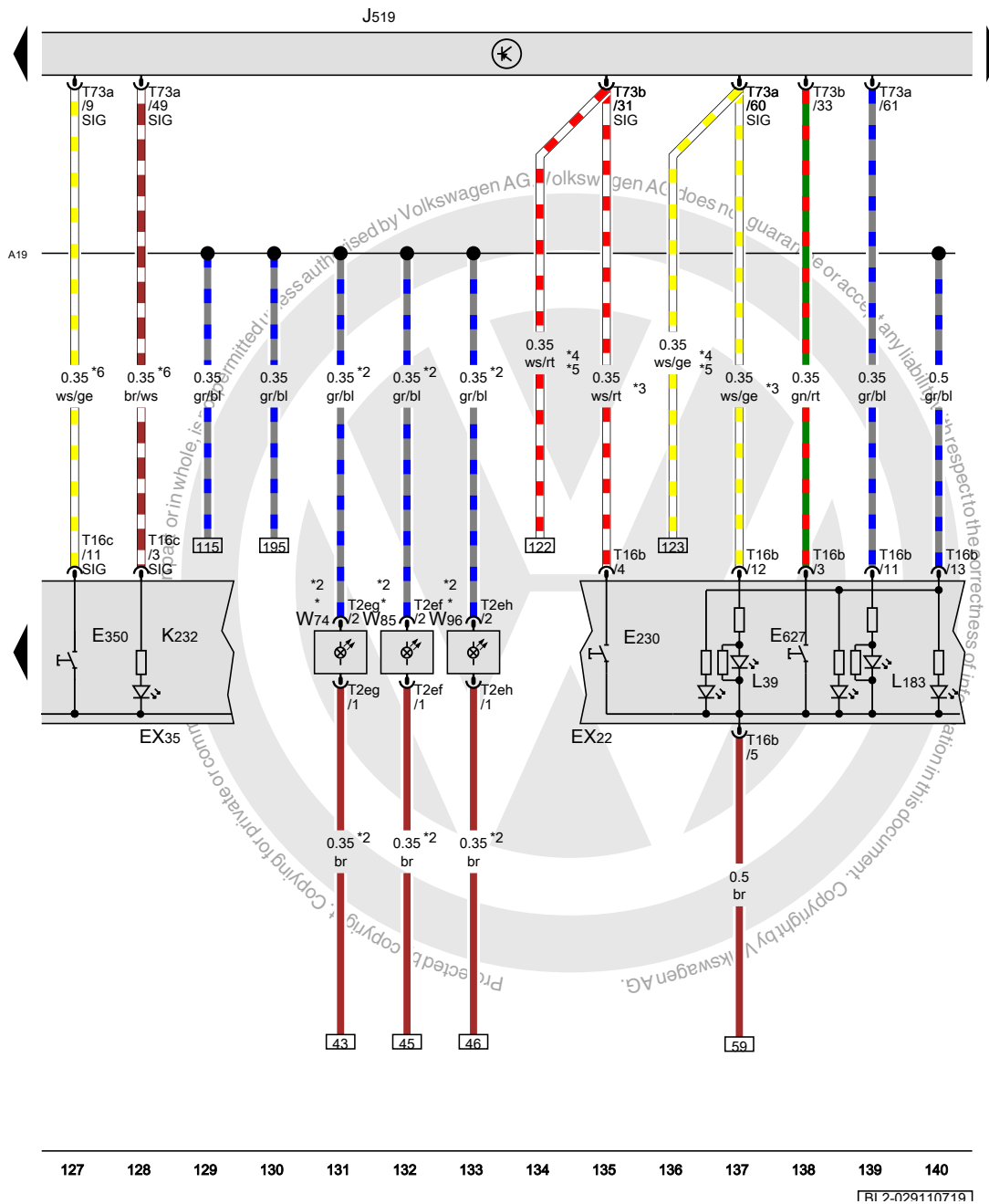
A19 Connection (58d), in dash panel wiring harness

\* For models with no seat heating

\*2 From July 2018

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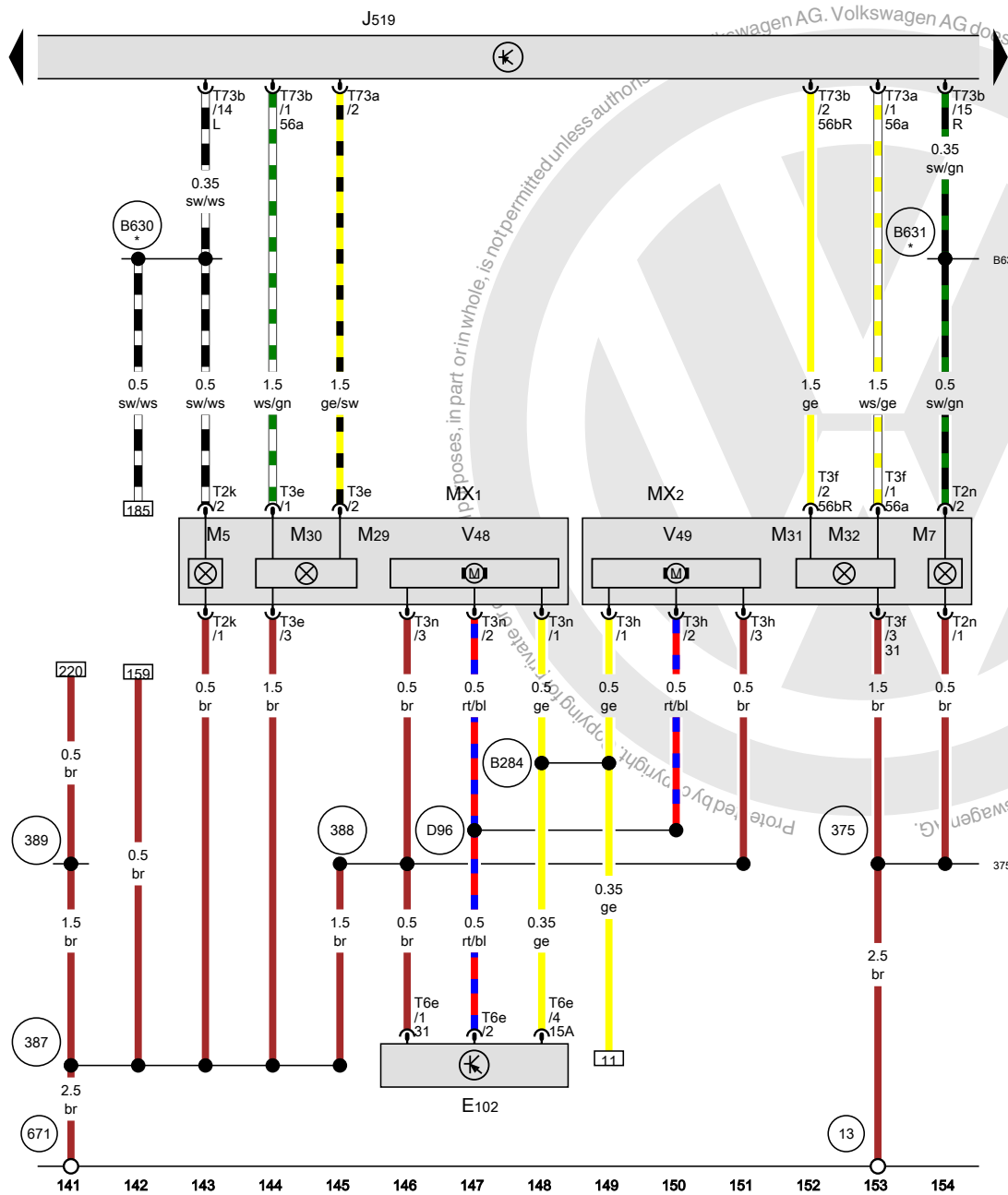


Centre switch module in dash panel, Centre switch module 2 in dash panel, Heated rear window button, Onboard supply control unit, Light conductor for front centre console background lighting, Light conductor for front passenger side background lighting, Light conductor for driver side background lighting

- EX22 Centre switch module in dash panel
- EX35 Centre switch module 2 in dash panel
- E230 Heated rear window button
- E350 Seat depth adjustment button
- E627 Heated windscreen button
- J519 Onboard supply control unit
- K232 Lane change assist warning lamp
- L39 Heated rear window switch illumination bulb
- L183 Bulb for heated windscreen switch illumination
- T2ef 2-pin connector, black
- T2eg 2-pin connector, black
- T2eh 2-pin connector, black
- T16b 16-pin connector, brown
- T16c 16-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- W74 Light conductor for front centre console background lighting
- W85 Light conductor for front passenger side background lighting
- W96 Light conductor for driver side background lighting

A19 Connection (58d), in dash panel wiring harness

- \* Pre-wired component
- \*2 For models with background lighting
- \*3 For models with heated seats
- \*4 For models with no seat heating
- \*5 From July 2018
- \*6 From August 2019

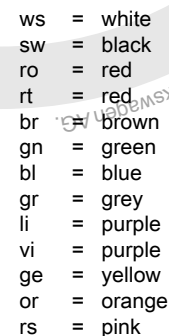


Headlight range control regulator, Onboard supply control unit, Front left headlight, Front right headlight, Front left turn signal bulb, Front right turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Left headlight range control motor, Right headlight range control motor

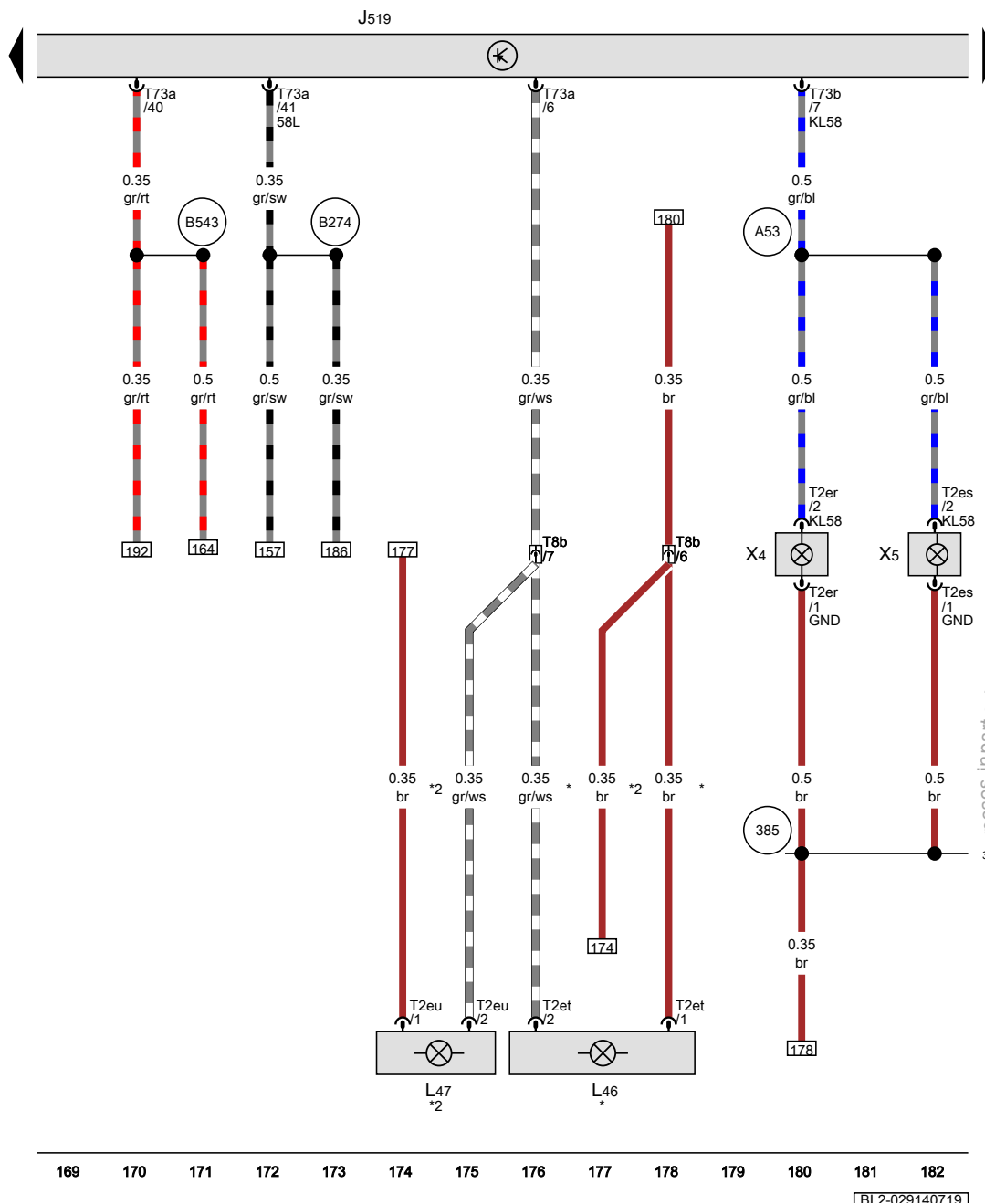
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T2k 2-pin connector, black
- T2n 2-pin connector, black
- T3e 3-pin connector, colourless
- T3f 3-pin connector, colourless
- T3h 3-pin connector, black
- T3n 3-pin connector, black
- T6e 6-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V48 Left headlight range control motor
- V49 Right headlight range control motor

- 13 Earth point, on right in engine compartment
- 375 Earth connection 10, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 671 Earth point 1, on front of left longitudinal member

- B284 Positive connection 8 (15a) in main wiring harness
- B630 Positive connection (left turn signal bulb), in main wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- D96 Connection (headlight range control), in engine compartment



- |      |  |
|------|--|
| H2   | Treble horn  |
| H7   | Bass horn  |
| J519 | Onboard supply control unit  |
| J860 | Control unit for left daytime running light and side light           |
| J861 | Control unit for right daytime running light and side light          |
| L174 | Left daytime running light bulb                                      |
| L175 | Right daytime running light bulb                                     |
| T2bo | 2-pin connector, black   |
| T2bp | 2-pin connector, black   |
| T3ak | 3-pin connector, black   |
| T3al | 3-pin connector, black   |
| T73a | 73-pin connector, black  |
| T73b | 73-pin connector, colourless   |
| 375  | Earth connection 10, in main wiring harness                          |
| A83  | Connection (daytime running lights), in dash panel wiring harness    |
| A90  | Connection (dual tone horn), in dash panel wiring harness            |
| B631 | Positive connection (right turn signal bulb), in main wiring harness |
| *    | For models with dual tone horn                                       |
| *2   | Up to November 2016  |
| *3   | According to equipment   |
| *4   | For models with LED headlights                                       |
| *5   | From October 2016  |
| *6   | see applicable current flow diagram for convenience system           |

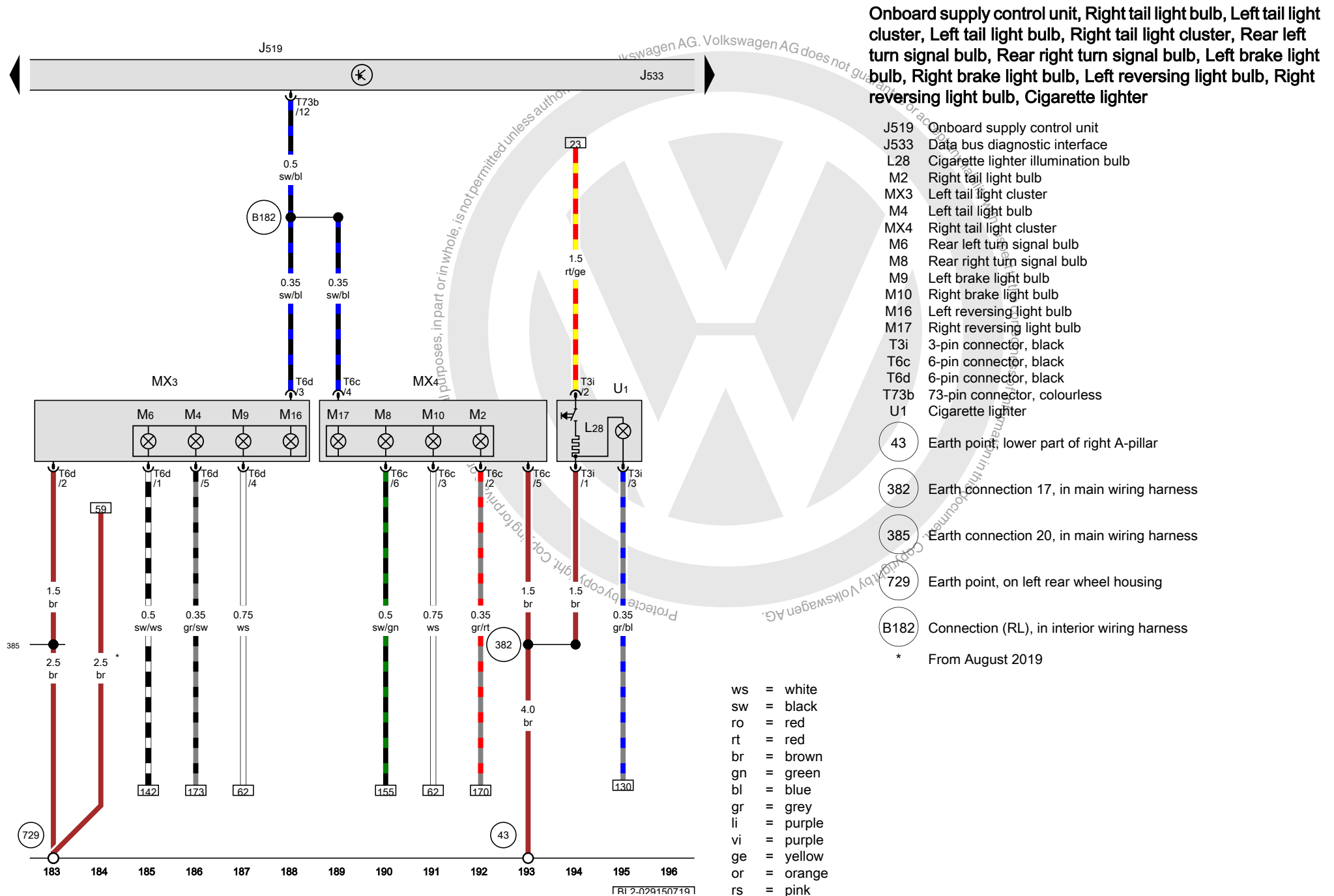


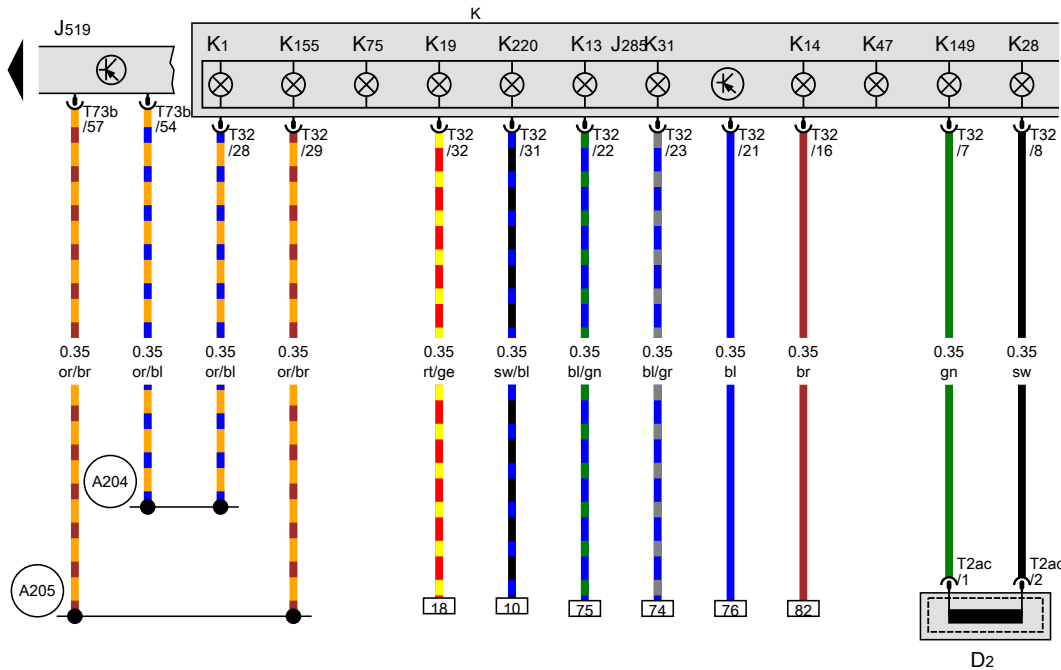
Onboard supply control unit, Rear left fog light bulb, Rear right fog light bulb, Left number plate light, Right number plate light

- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- T2er 2-pin connector, black
- T2es 2-pin connector, black
- T2et 2-pin connector, black
- T2eu 2-pin connector, black
- T8b 8-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- X4 Left number plate light
- X5 Right number plate light

- 385 Earth connection 20, in main wiring harness
- A53 Positive connection (58b), in dash panel wiring harness
- B274 Positive connection (58L), in main wiring harness
- B543 Positive connection (58R), in main wiring harness
- \* For left-hand drive models
- \*2 For right-hand drive models

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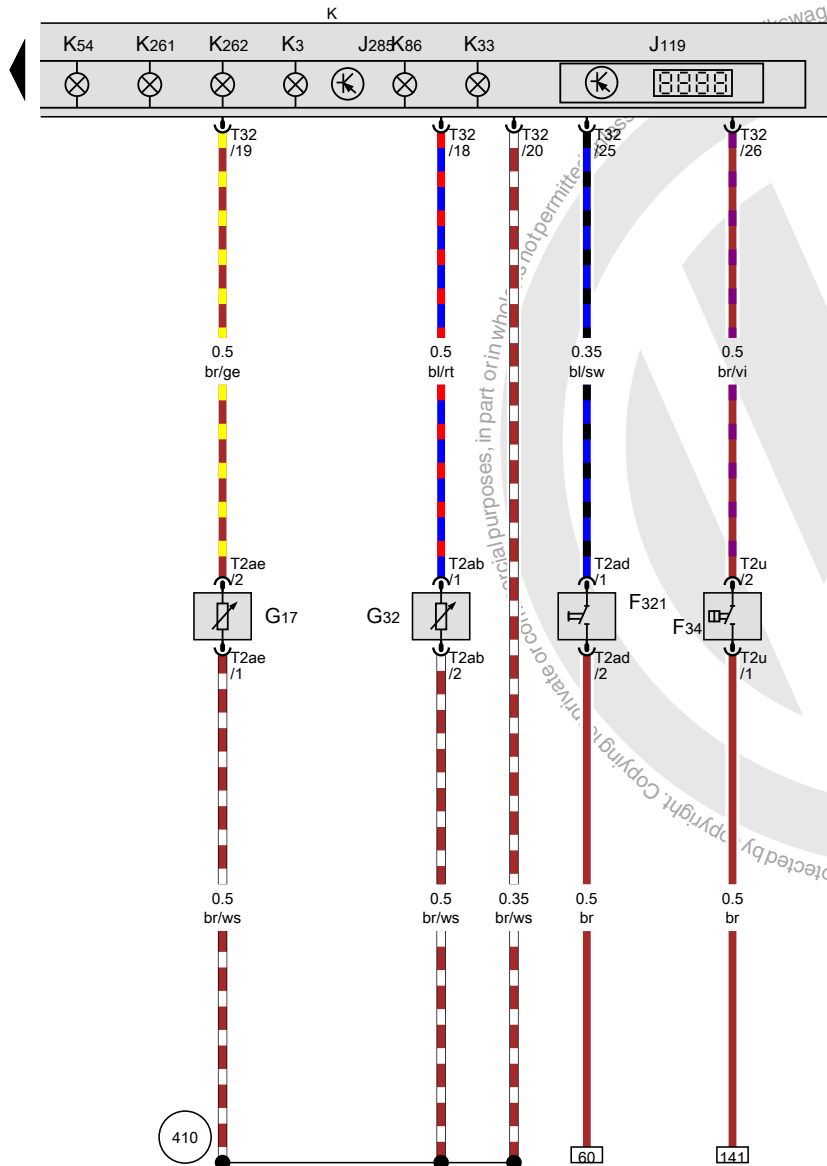




Immobiliser reader coil, Control unit in dash panel insert, Onboard supply control unit, Dash panel insert

- D2 Immobiliser reader coil
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K1 Main beam warning lamp
- K13 Rear fog light warning lamp
- K14 Handbrake warning lamp
- K19 Seat belt warning system warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K47 ABS warning lamp
- K75 Airbag warning lamp
- K149 Engine electronics warning lamp
- K155 Warning lamp for electronic stabilisation program and TCS
- K220 Tyre Pressure Loss Indicator warning lamp
- T2ac 2-pin connector, black
- T32 32-pin connector, blue
- T73b 73-pin connector, colourless
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert CAN bus, low), in dash panel wiring harness

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Brake fluid level warning contact, Parking brake contact switch, Ambient temperature sensor, Coolant shortage indicator sender, Control unit in dash panel insert, Dash panel insert

- F34 Brake fluid level warning contact
- F321 Parking brake contact switch
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K33 Brake fluid level warning lamp
- K54 Battery charge condition warning lamp: red LED for less than 12 Volt
- K86 Traction control system warning lamp
- K261 Warning lamp for left turn signal
- K262 Warning lamp for right turn signal
- T2ab 2-pin connector, black
- T2ad 2-pin connector, black
- T2ae 2-pin connector, black
- T2u 2-pin connector, black
- T32 32-pin connector, blue
- 410 Earth connection 1 (sender earth) in main wiring harness

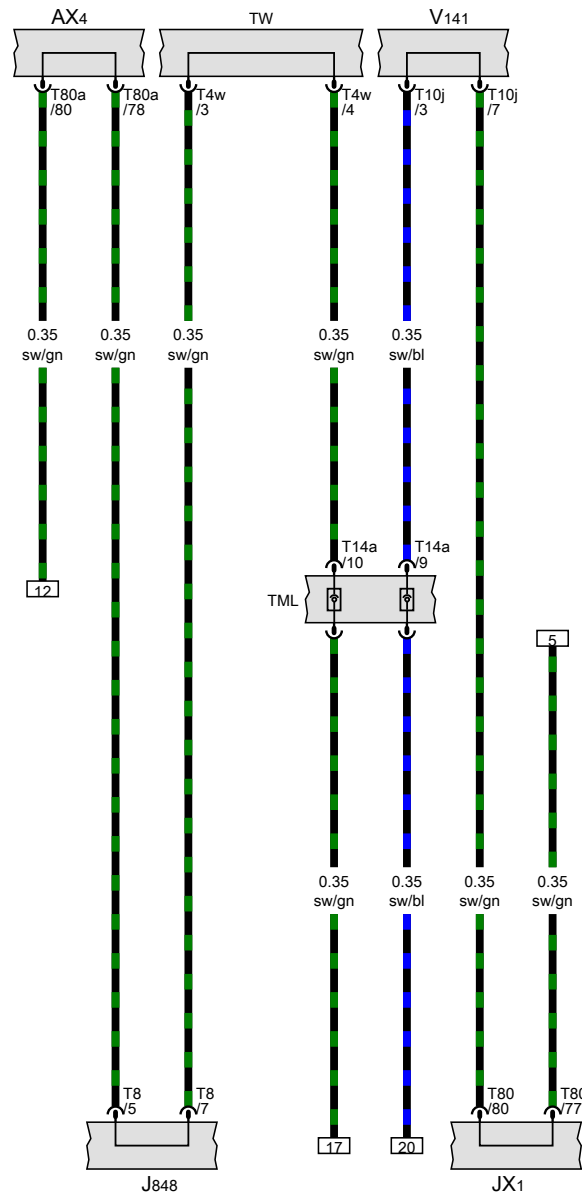
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## Pilot line for high-voltage system

From July 2013







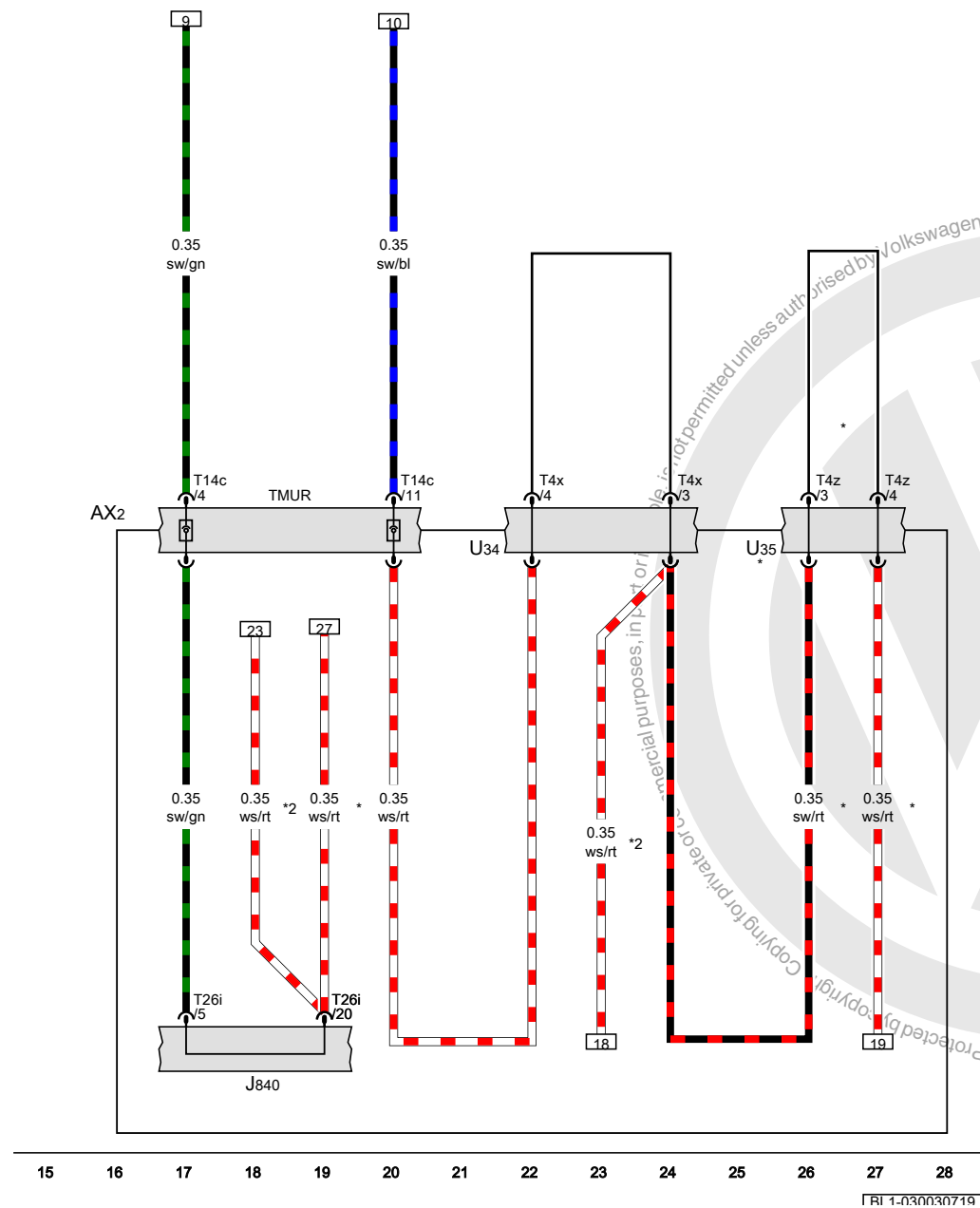
Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, High-voltage heater (PTC) control unit, Maintenance connector for high-voltage system, Electric drive motor

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J848 High-voltage heater (PTC) control unit
- T4w 4-pin connector, green
- T8 8-pin connector, black
- T10j 10-pin connector, black
- T14a 14-pin connector, brown
- T80 80-pin connector, black
- T80a 80-pin connector, black
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system
- V141 Electric drive motor

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Battery regulation control unit, High-voltage battery charging connection 1, High-voltage battery charging connection 2

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- T4x 4-pin connector, orange
- T4z 4-pin connector, orange
- T14c 14-pin connector, black
- T26i 26-pin connector, black
- TMUR Coupling point on engine, bottom right
- U34 High-voltage battery charging connection 1
- U35 High-voltage battery charging connection 2
- \* For models with combined AC and DC charging system
- \*2 According to equipment



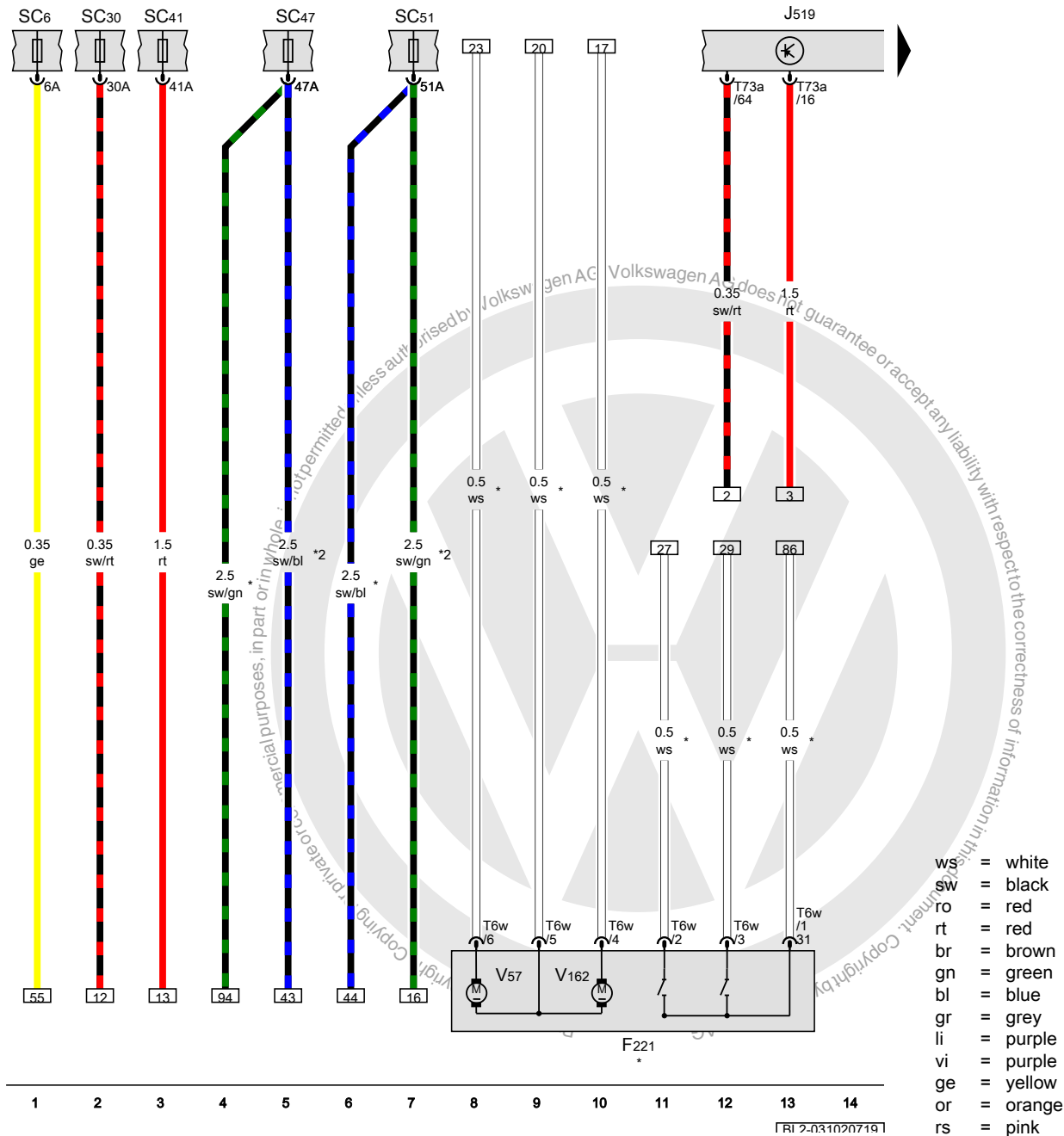
## Convenience system

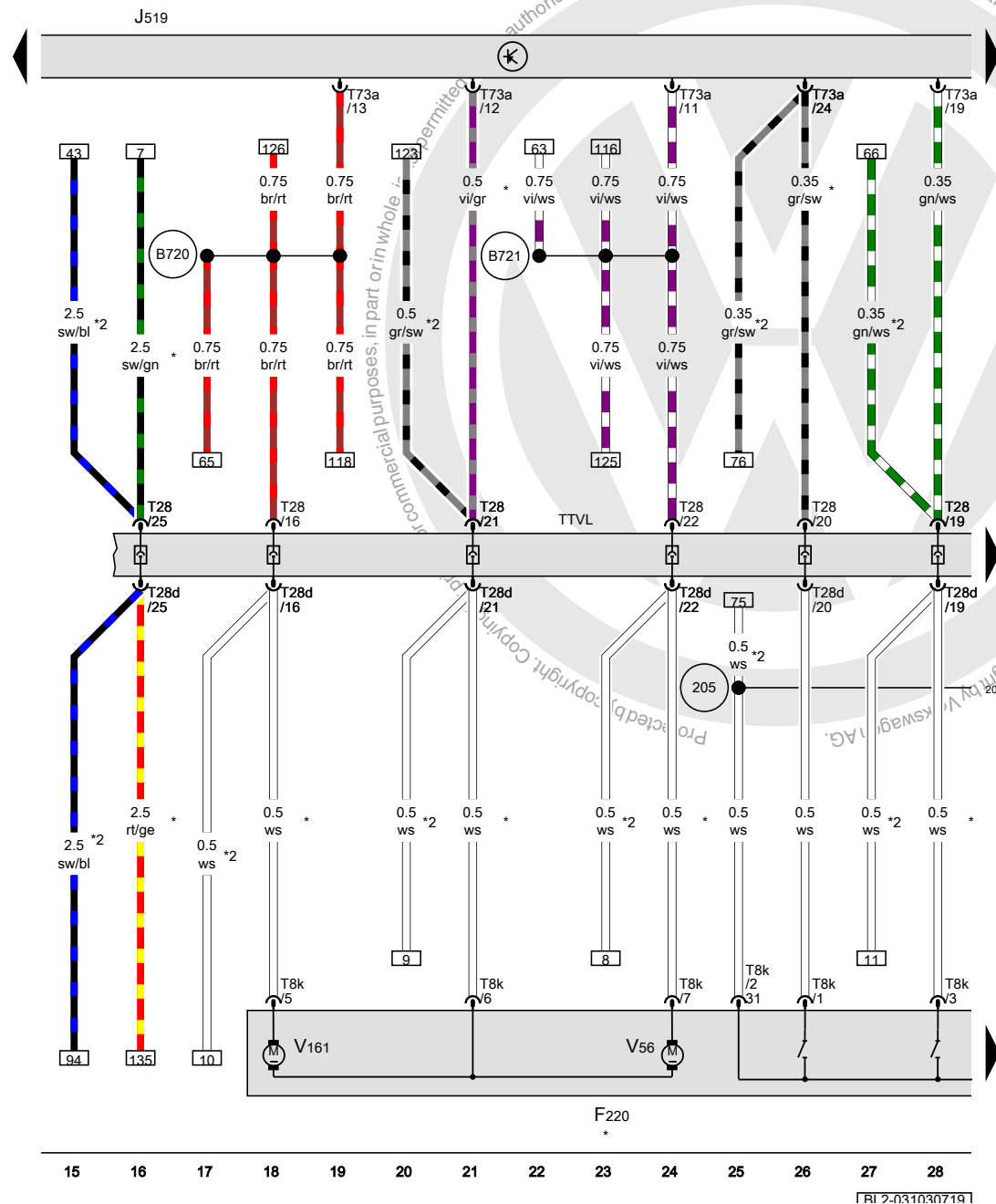
From November 2017



**Front passenger side central locking lock unit, Onboard supply control unit**

- |      |   |
|------|---|
| F221 | Front passenger side central locking lock unit, in front passenger door |
| J519 | Onboard supply control unit, on dash panel insert                       |
| SC6  | Fuse 6 on fuse holder C   |
| SC30 | Fuse 30 on fuse holder C  |
| SC41 | Fuse 41 on fuse holder C  |
| SC47 | Fuse 47 on fuse holder C  |
| SC51 | Fuse 51 on fuse holder C  |
| T6w  | 6-pin connector, black  |
| T73a | 73-pin connector, black   |
| V57  | Front passenger door central locking motor                              |
| V162 | Front passenger door central locking SAFELOCK function motor            |
| *    | For right-hand drive models   |
| *2   | For left-hand drive models  |





# Driver side central locking lock unit, Onboard supply control unit

- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T8k 8-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- TTVL Coupling point for front left door
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

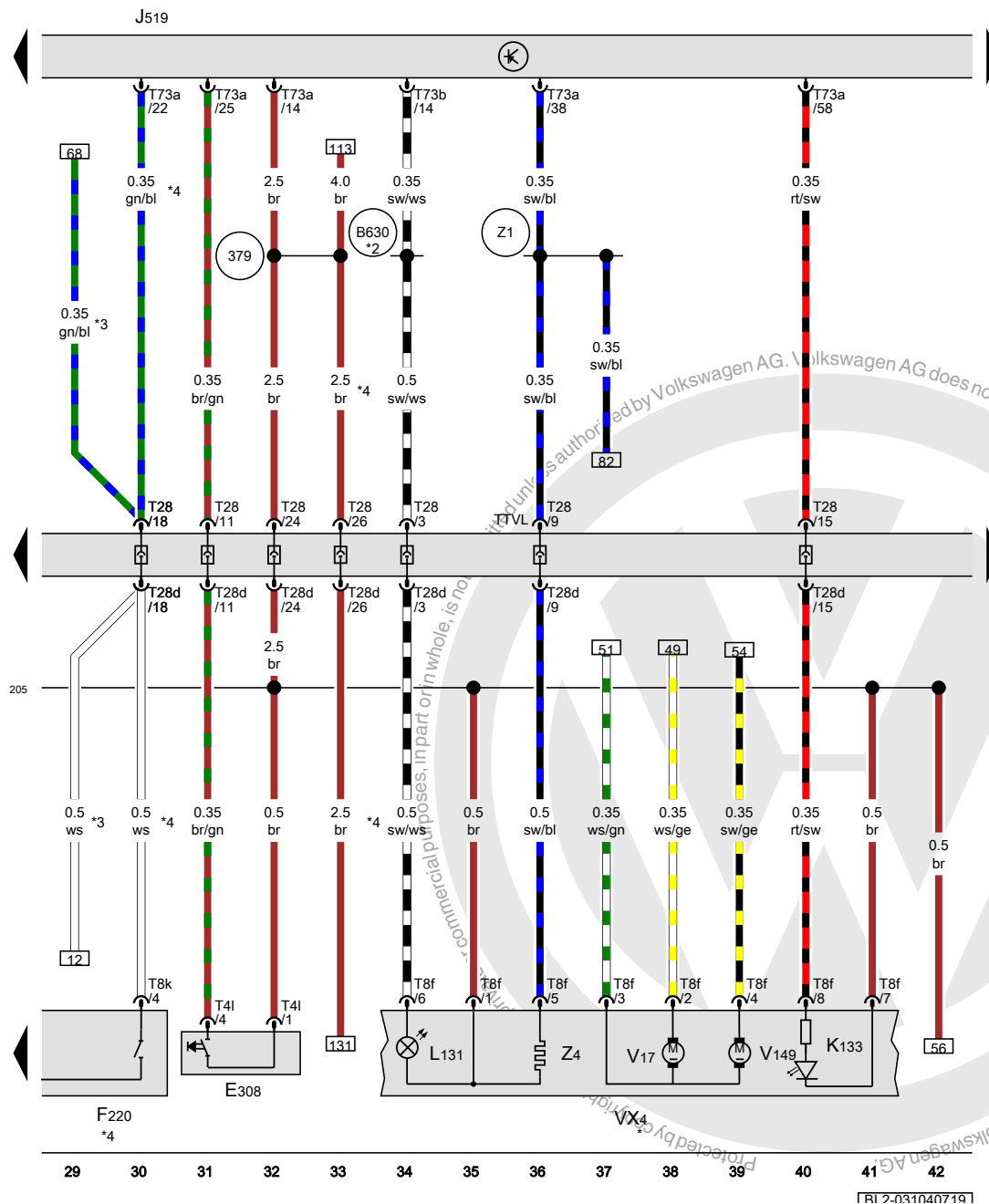
205 Earth connection, in driver door wiring harness

B720 Connection 1 (central locking), in main wiring harness

B721 Connection 2 (central locking), in main wiring harness

\* For left-hand drive models

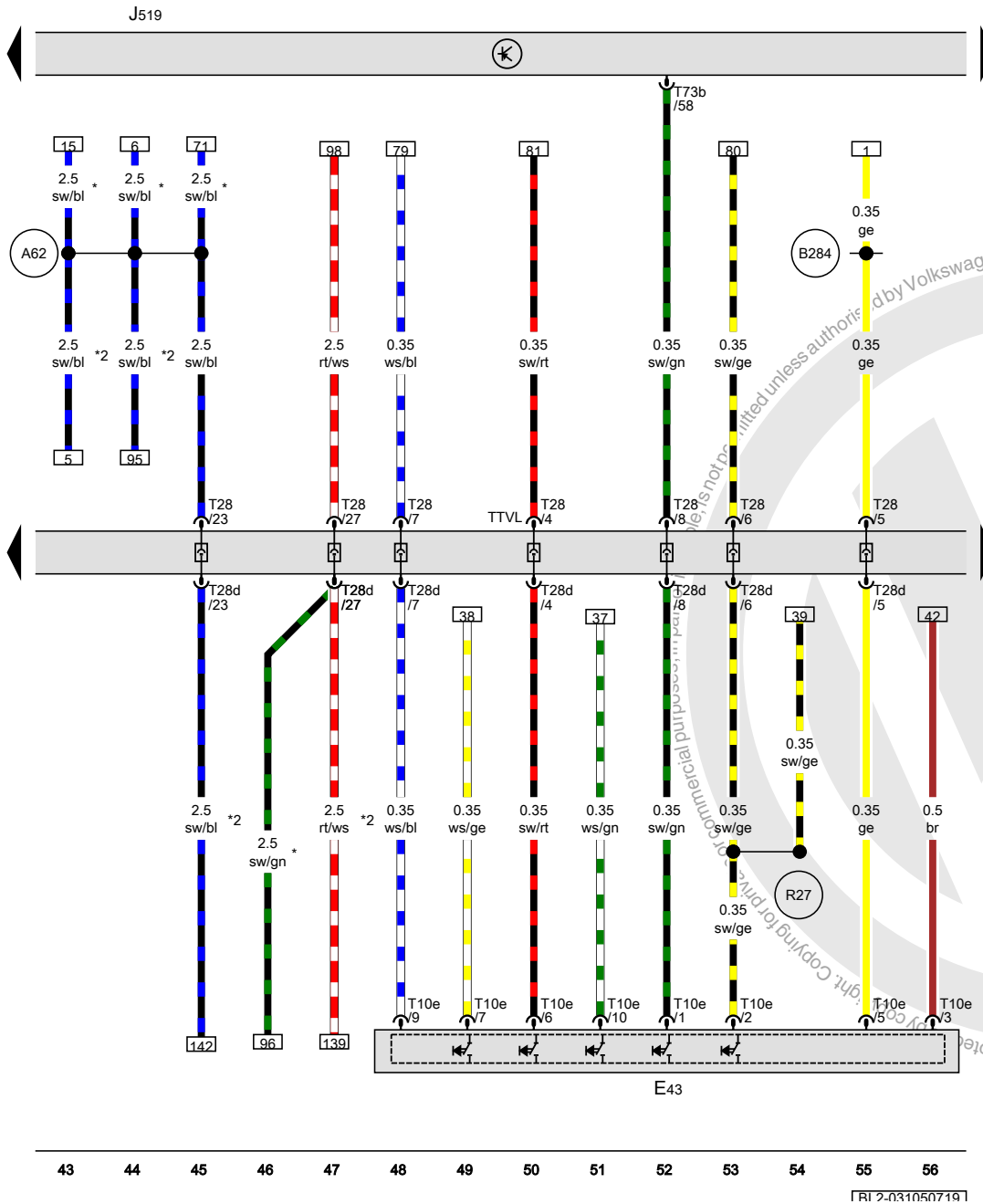
\*2 For right-hand drive models



Driver side interior locking button for central locking system, Driver side central locking lock unit, Onboard supply control unit, Central locking SAFELOCK function warning lamp

- E308 Driver side interior locking button for central locking system, in driver door
- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- K133 Central locking SAFELOCK function warning lamp, in driver door
- L131 Driver side turn signal repeater bulb
- T4I 4-pin connector, blue
- T8f 8-pin connector
- T8k 8-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73a 73-pin connector, black
- T73b 73-pin connector, black
- TTVL Coupling point for front left door
- 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
- 205 Earth connection, in driver door wiring harness
- 379 Earth connection 14, in main wiring harness
- B630 Positive connection (left turn signal bulb), in main wiring harness
- Z1 Connection 1, in mirror adjustment/heating wiring harness
- \* Pre-wired component
- \*2 see applicable current flow diagram for basic equipment
- \*3 For right-hand drive models
- \*4 For left-hand drive models

Mirror adjustment switch, Onboard supply control unit



- E43 Mirror adjustment switch, in driver door
- J519 Onboard supply control unit, on dash panel insert
- T10e 10-pin connector, black
- T28 28-pin connector
- T28d 28-pin connector
- T73b 73-pin connector, black
- TTVL Coupling point for front left door

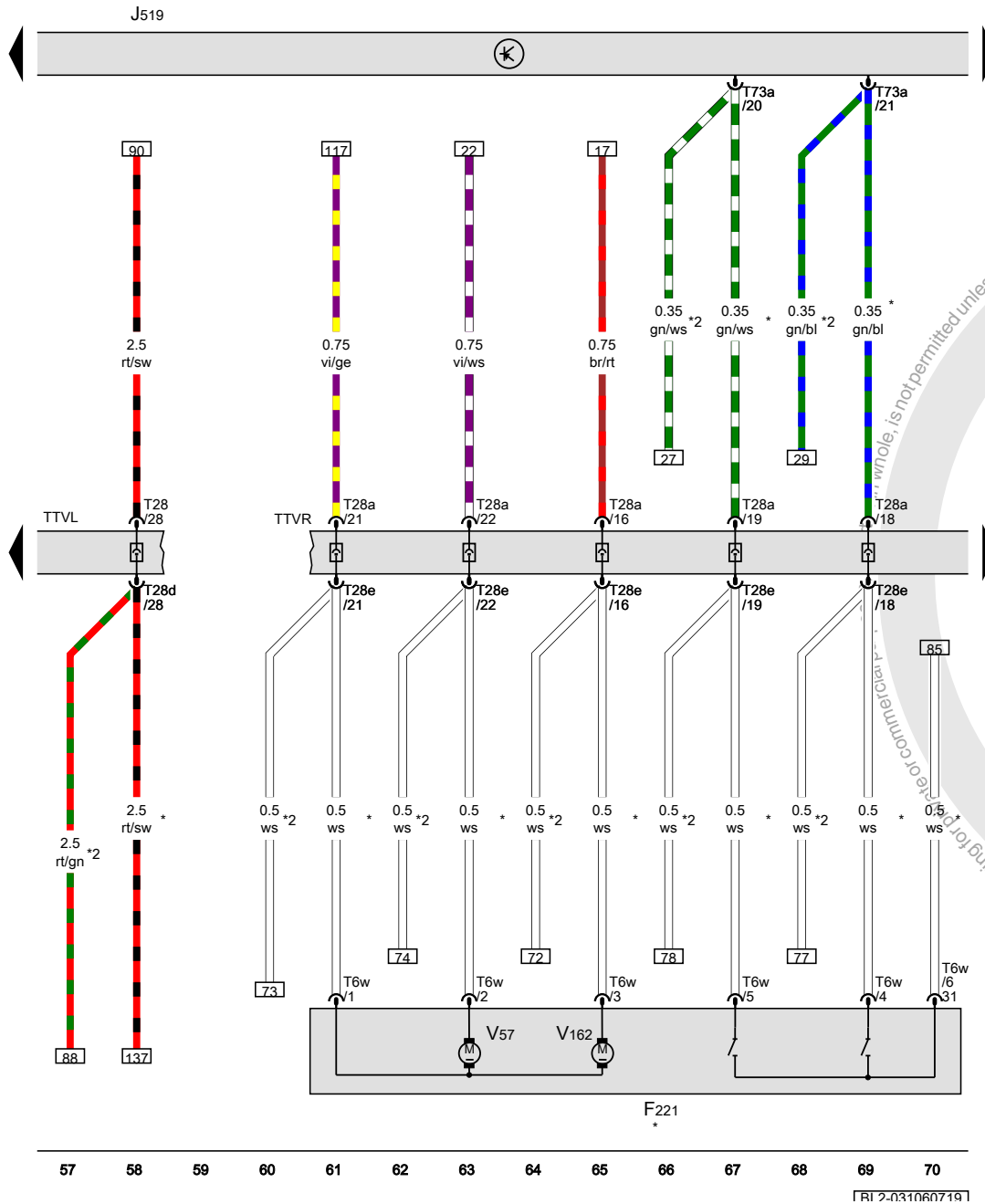
- A62 Connection (window regulators), in dash panel wiring harness
- B284 Positive connection 8 (15a) in main wiring harness
- R27 Connection (mirror adjustment), in driver door wiring harness

- \* For right-hand drive models
- \*2 For left-hand drive models

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**Front passenger side central locking lock unit, Onboard supply control unit**

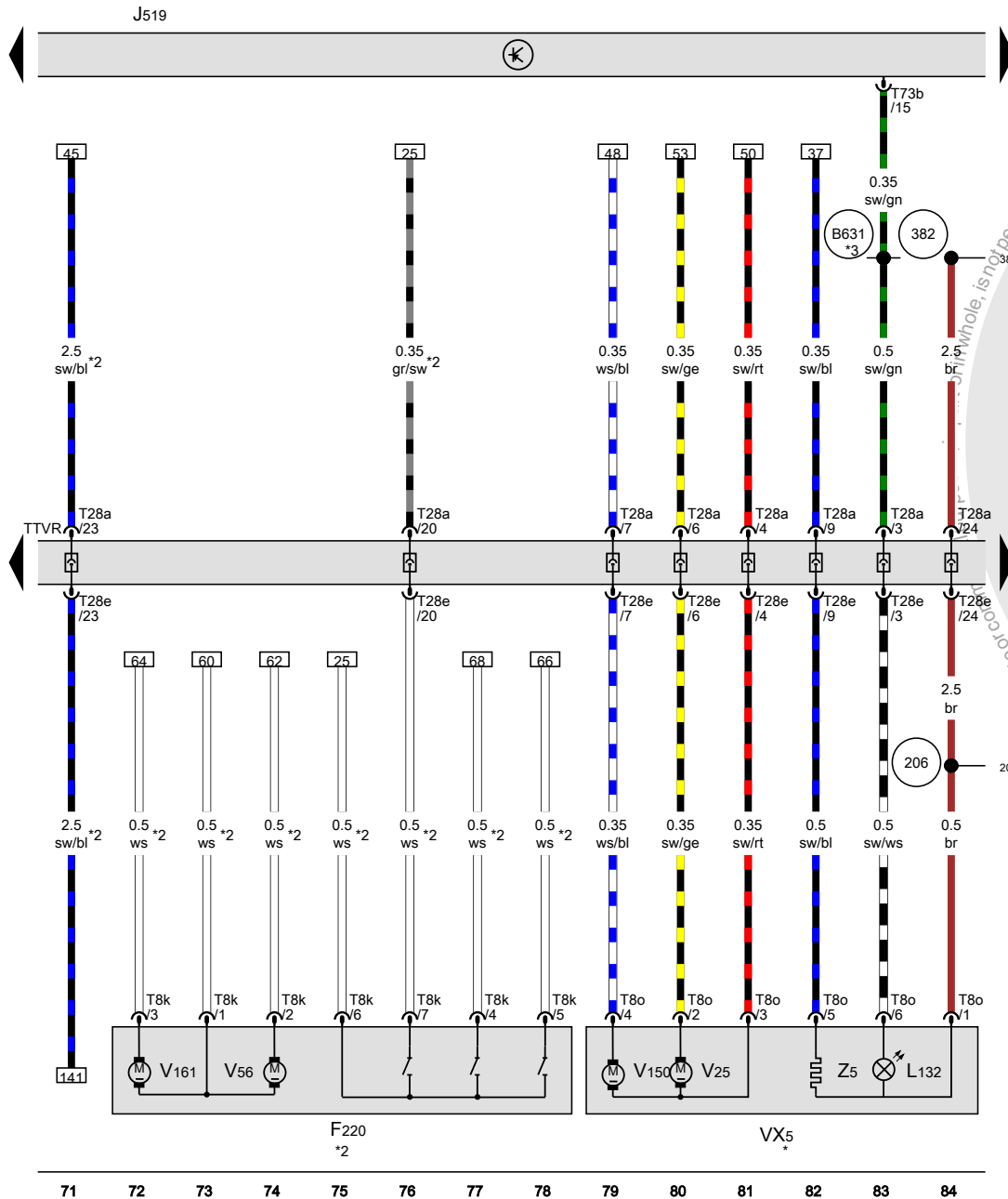
- |      |   |
|------|---|
| F221 | Front passenger side central locking lock unit, in front passenger door |
| J519 | Onboard supply control unit, on dash panel insert                       |
| T6w  | 6-pin connector, black  |
| T28  | 28-pin connector  |
| T28a | 28-pin connector  |
| T28d | 28-pin connector  |
| T28e | 28-pin connector  |
| T73a | 73-pin connector, black   |
| TTVL | Coupling point for front left door                                      |
| TTVR | Coupling point for front right door                                     |
| V57  | Front passenger door central locking motor                              |
| V162 | Front passenger door central locking SAFELOCK function motor            |
| *    | For left-hand drive models  |
| *2   | For right-hand drive models   |



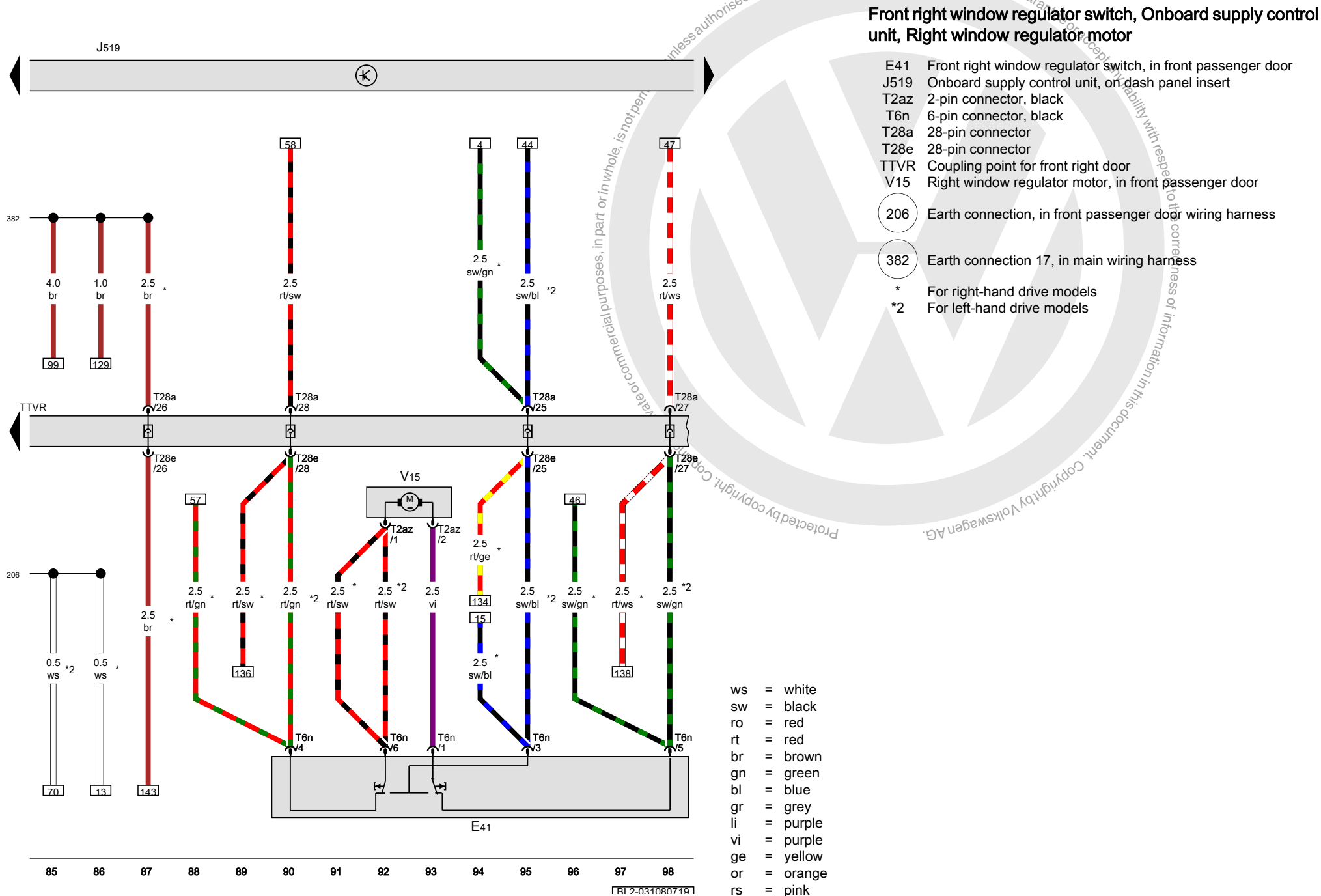
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rs = pink



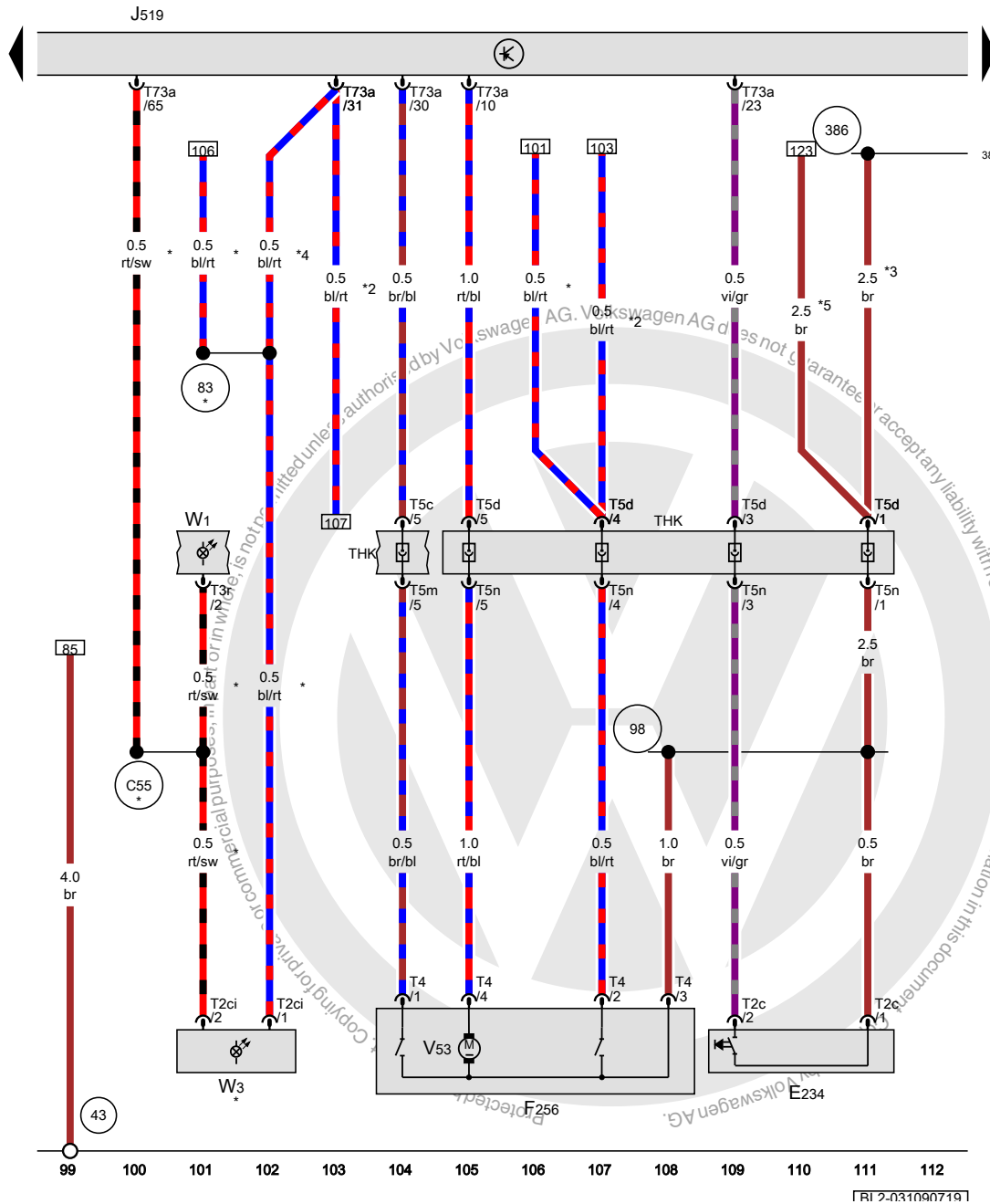
Driver side central locking lock unit, Onboard supply control unit



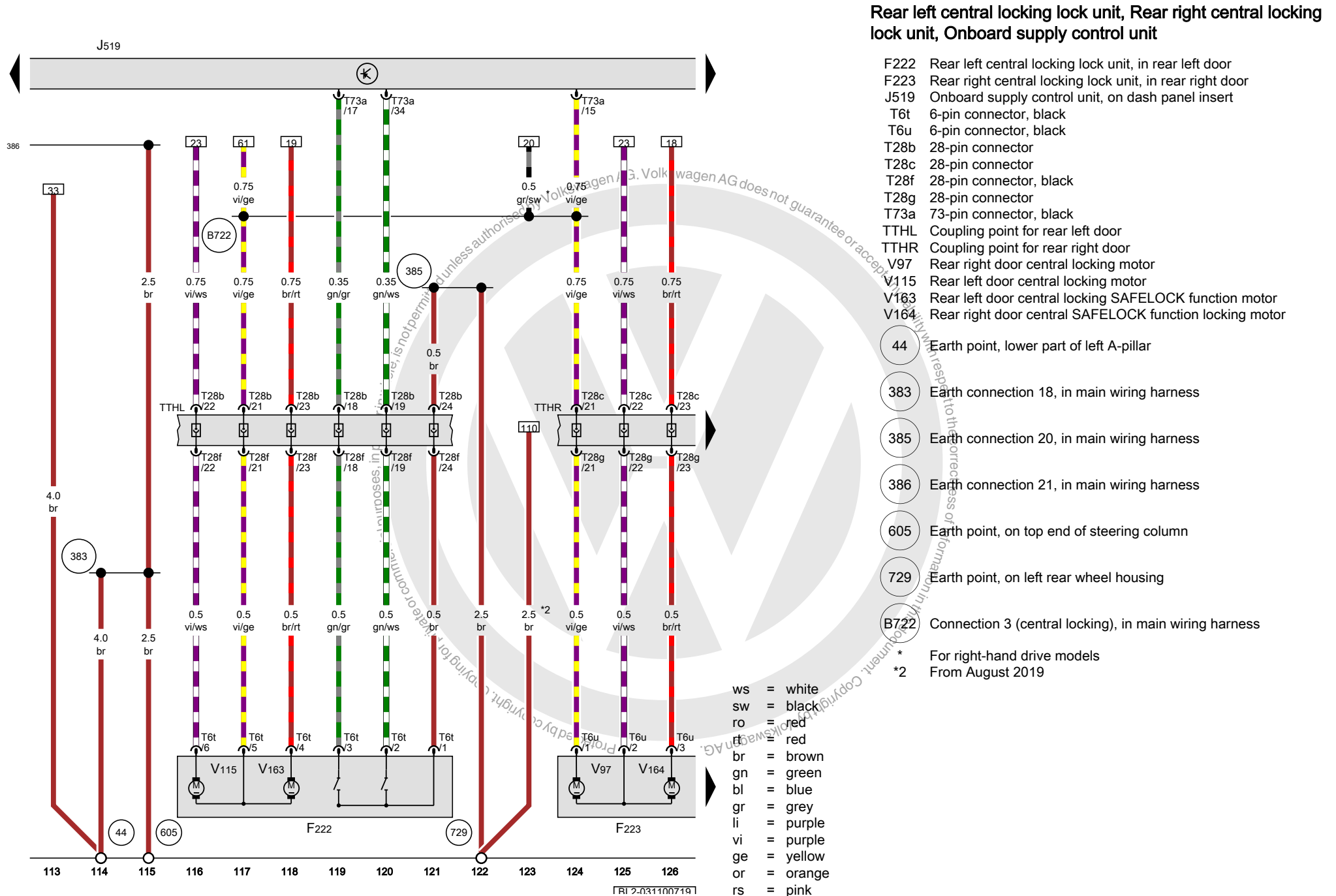
- F220 Driver side central locking lock unit, in driver door
- J519 Onboard supply control unit, on dash panel insert
- L132 Front passenger side turn signal repeater bulb
- T8k 8-pin connector
- T8o 8-pin connector
- T28a 28-pin connector
- T28e 28-pin connector
- T73b 73-pin connector, black
- TTVR Coupling point for front right door
- VX5 Passenger side exterior mirror
- V25 Front passenger side mirror adjustment motor
- V56 Driver door central locking motor
- V150 Front passenger side mirror adjustment motor
- V161 Driver door central locking SAFELock function motor
- Z5 Heated exterior mirror on passenger side
- 206 Earth connection, in front passenger door wiring harness
- 382 Earth connection 17, in main wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- \* Pre-wired component
- \*2 For right-hand drive models
- \*3 see applicable current flow diagram for basic equipment



Rear lid handle release button, Rear lid lock unit, Onboard supply control unit, Front interior light

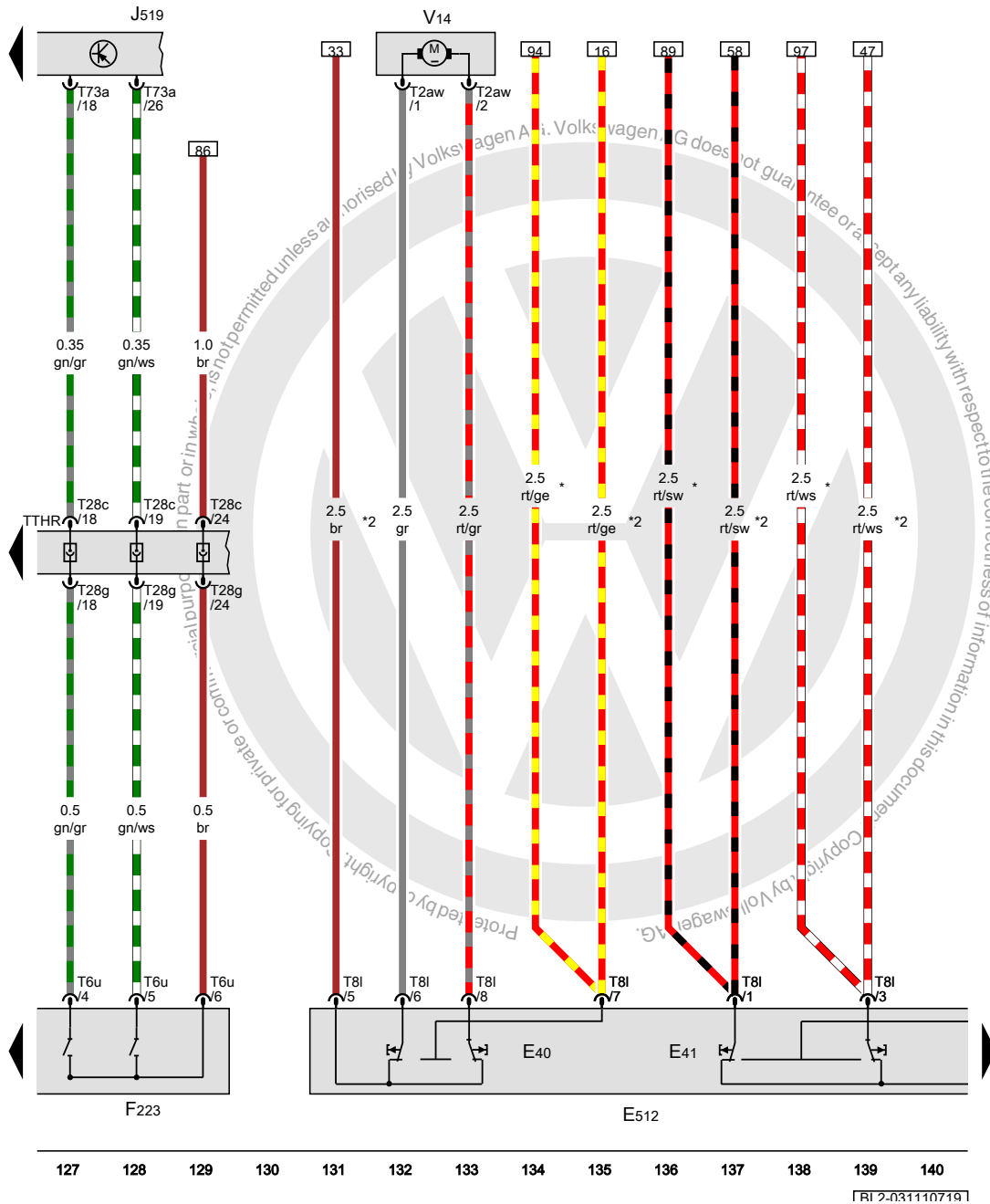


- E234 Rear lid handle release button, in rear lid
- F256 Rear lid lock unit, in rear lid
- J519 Onboard supply control unit, on dash panel insert
- T2c 2-pin connector, black
- T2ci 2-pin connector, black
- T3r 3-pin connector, black
- T4 4-pin connector, black
- T5c 5-pin connector, brown
- T5d 5-pin connector, black
- T5m 5-pin connector, brown
- T5n 5-pin connector, black
- T73a 73-pin connector, black
- THK Coupling point for rear lid
- V53 Rear lid central locking motor
- W1 Front interior light
- W3 Luggage compartment light
- 43 Earth point, lower part of right A-pillar
- 83 Earth connection 1, in front right wiring harness
- 98 Earth connection, in rear lid wiring harness
- 386 Earth connection 21, in main wiring harness
- C55 Positive connection (30a), in front left wiring harness
- \* For models with luggage compartment light
- \*2 For models with no luggage compartment light
- \*3 Up to August 2019
- \*4 According to equipment
- \*5 From August 2019



Operating unit for window regulator in driver door, Rear right central locking lock unit, Onboard supply control unit, Left window regulator motor

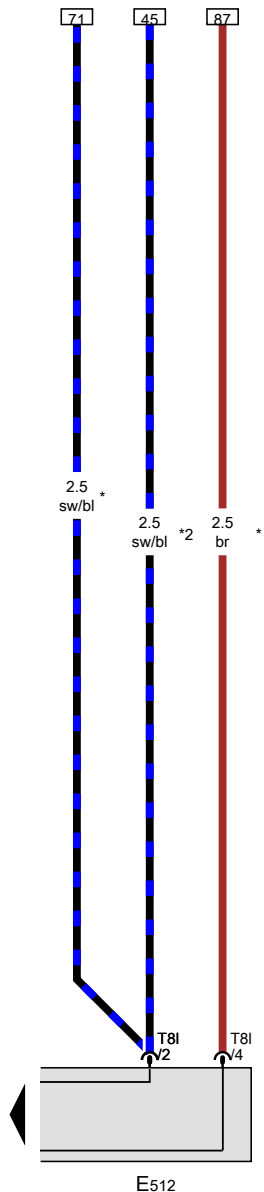
- E40 Front left window regulator switch
- E41 Front right window regulator switch
- E512 Operating unit for window regulator in driver door, in driver door
- F223 Rear right central locking lock unit, in rear right door
- J519 Onboard supply control unit, on dash panel insert
- T2aw 2-pin connector, black
- T6u 6-pin connector, black
- T8l 8-pin connector, black
- T28c 28-pin connector
- T28g 28-pin connector
- T73a 73-pin connector, black
- TTHR Coupling point for rear right door
- V14 Left window regulator motor, in driver door
- \* For right-hand drive models
- \*2 For left-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

Operating unit for window regulator in driver door

- E512 Operating unit for window regulator in driver door, in driver door  
 T8I 8-pin connector, black  
 \* For right-hand drive models  
 \*2 For left-hand drive models



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ws = white  
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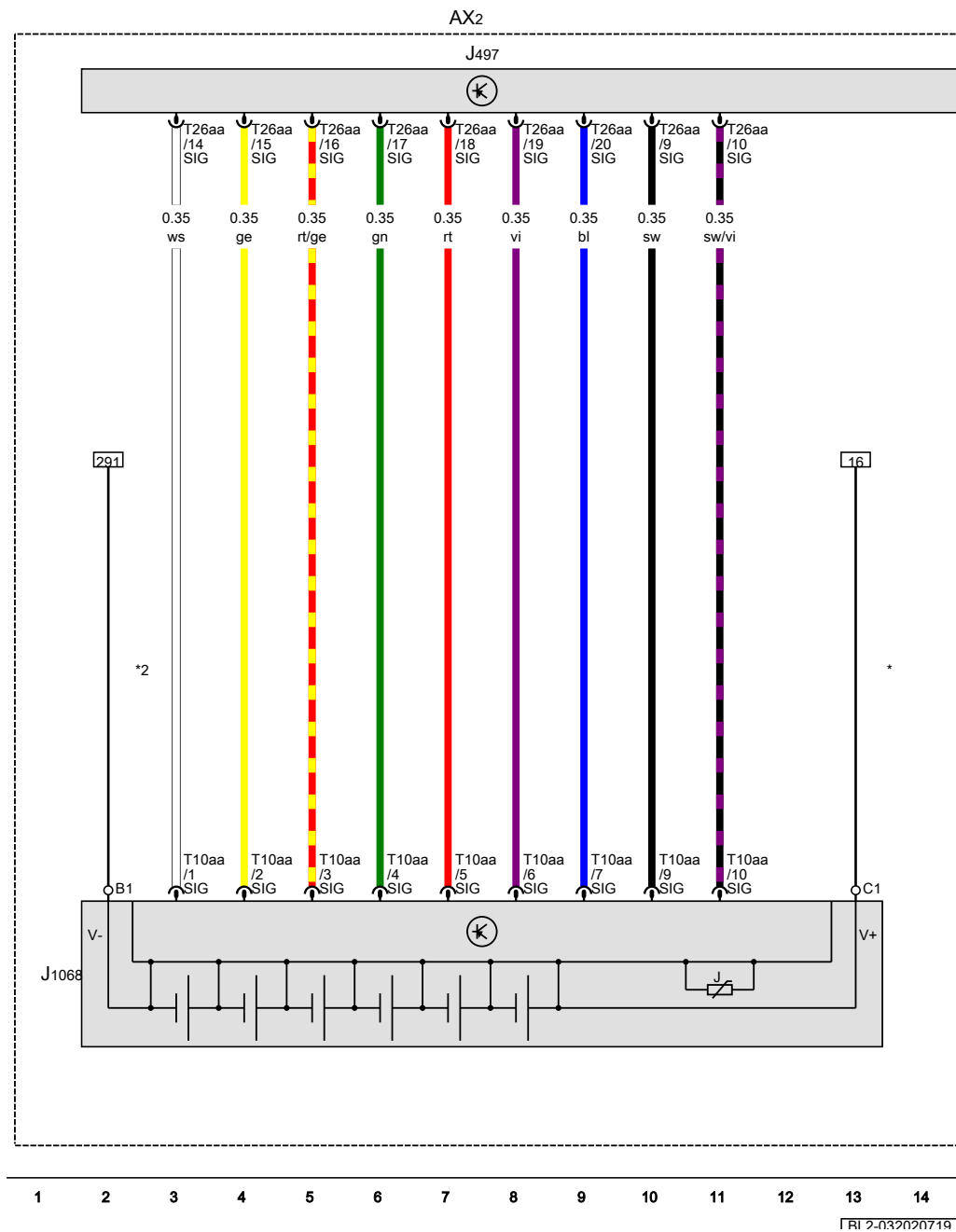
## High-voltage battery system

From May 2015



# High-voltage battery 1, Module monitor control unit for batteries, Battery module 0

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J1068 Battery module 0
- T10aa 10-pin connector, black
- T26aa 26-pin connector, black
- \* Connecting cable 2 for battery module (P27)
- \*2 Connecting cable 1 for battery module (P26)

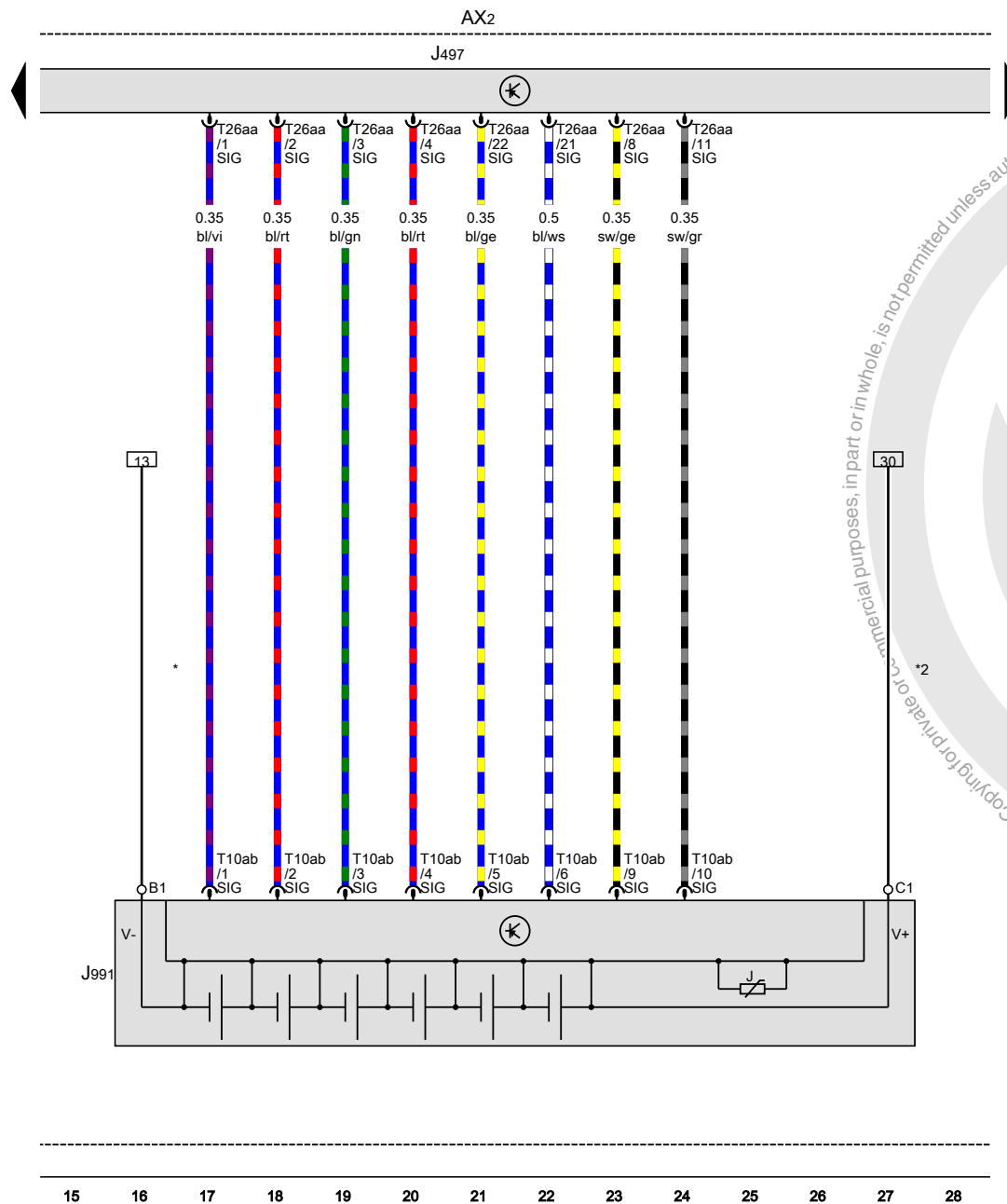


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# High-voltage battery 1, Module monitor control unit for batteries, Battery module 1

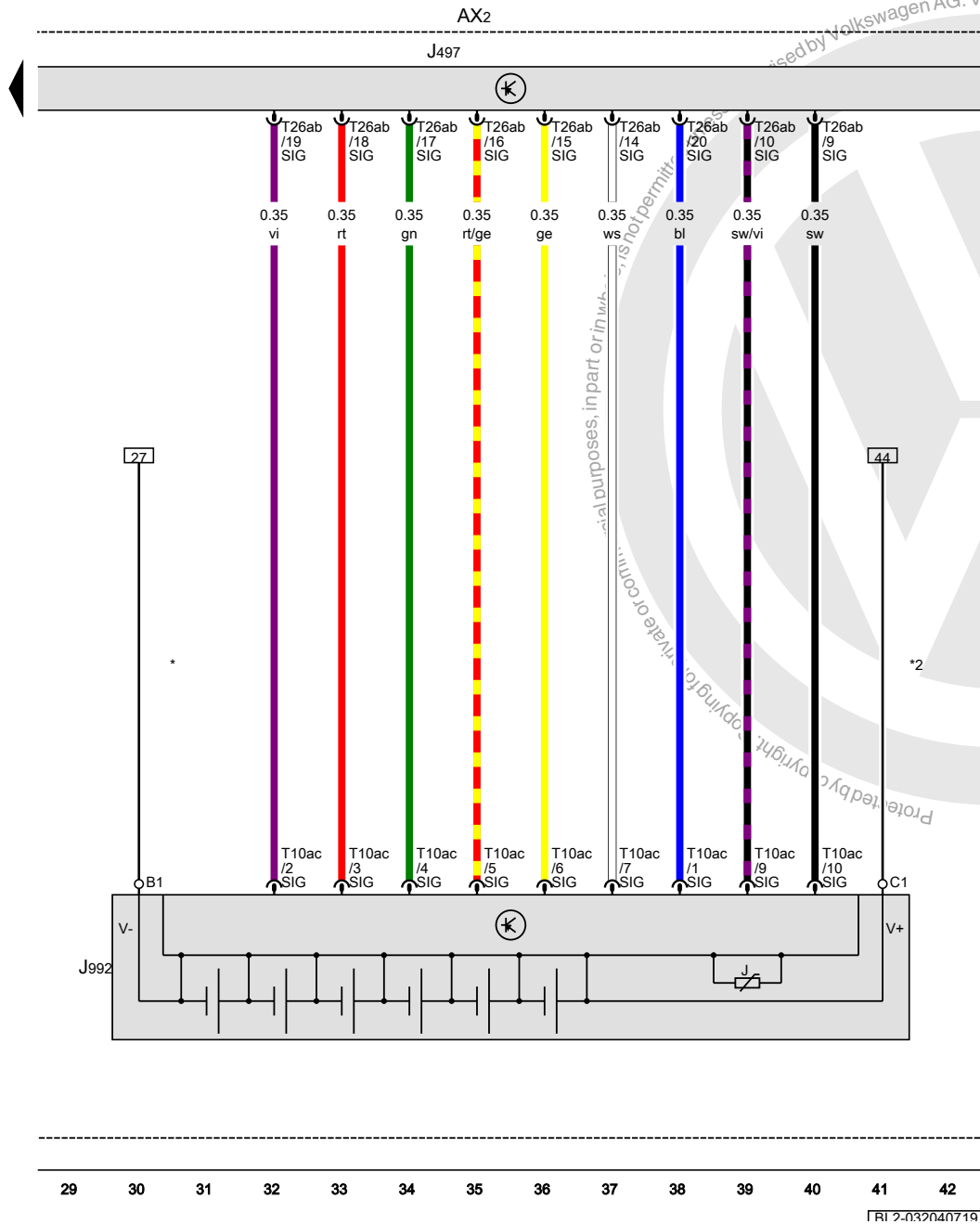
- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J991 Battery module 1
- T10ab 10-pin connector, black
- T26aa 26-pin connector, black
- \* Connecting cable 2 for battery module (P27)
- \*2 Connecting cable 3 for battery module (P28)



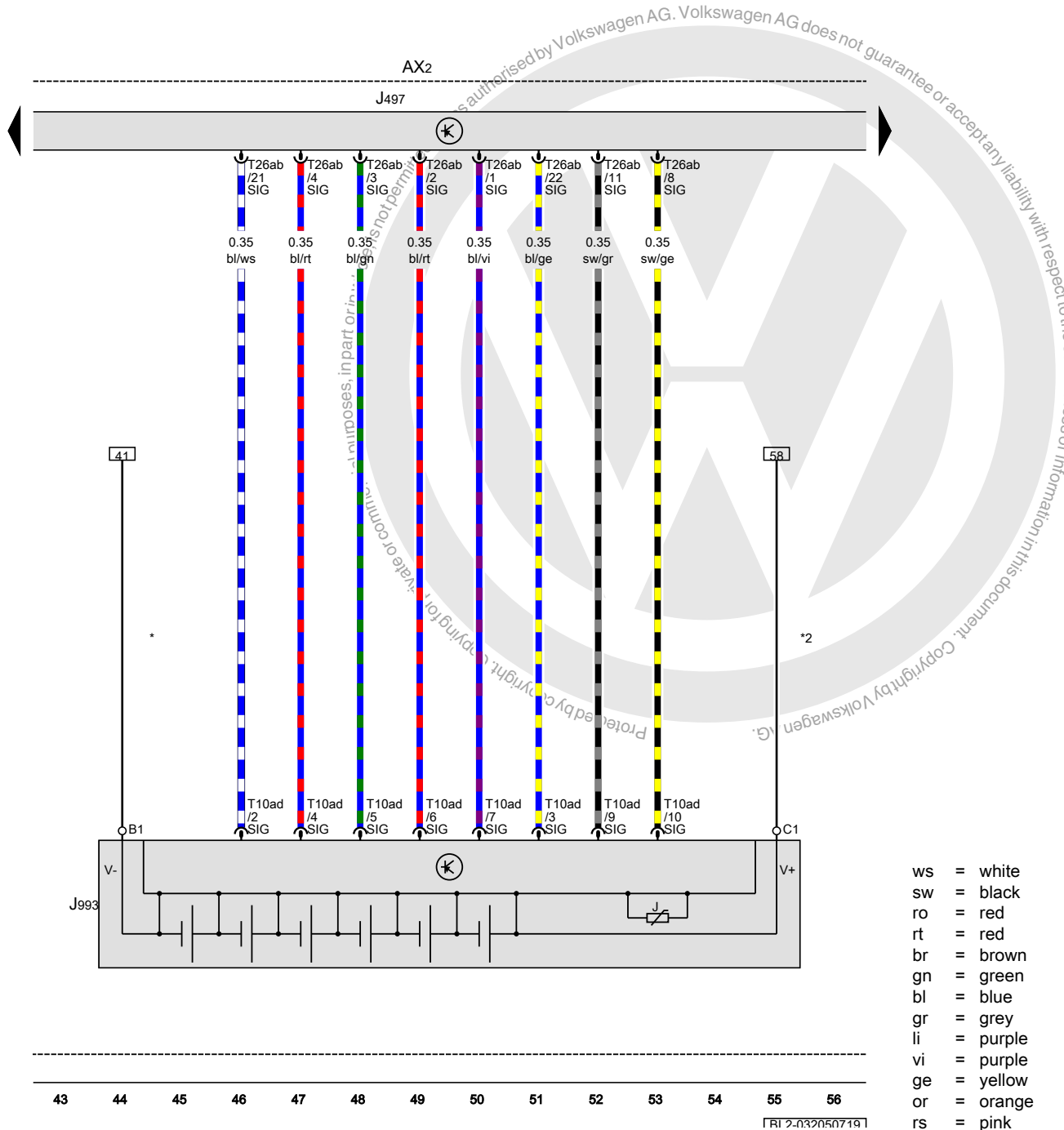
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
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- rs = pink

High-voltage battery 1, Module monitor control unit for batteries, Battery module 2

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J992 Battery module 2
- T10ac 10-pin connector, black
- T26ab 26-pin connector, white
- \* Connecting cable 3 for battery module (P28)
- \*2 Connecting cable 4 for battery module (P29)



- ws = white
- sw = black
- ro = red
- rt = red
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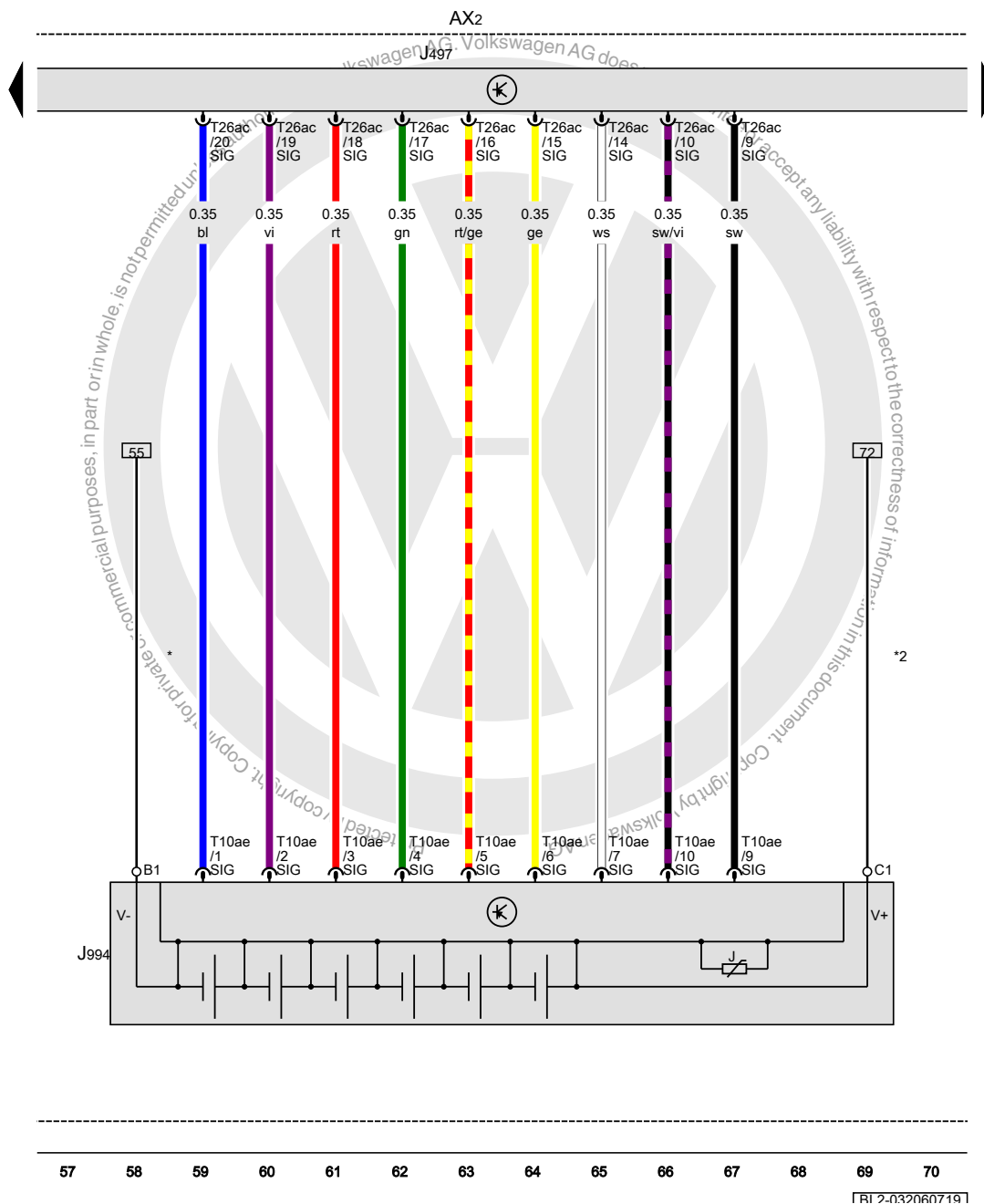


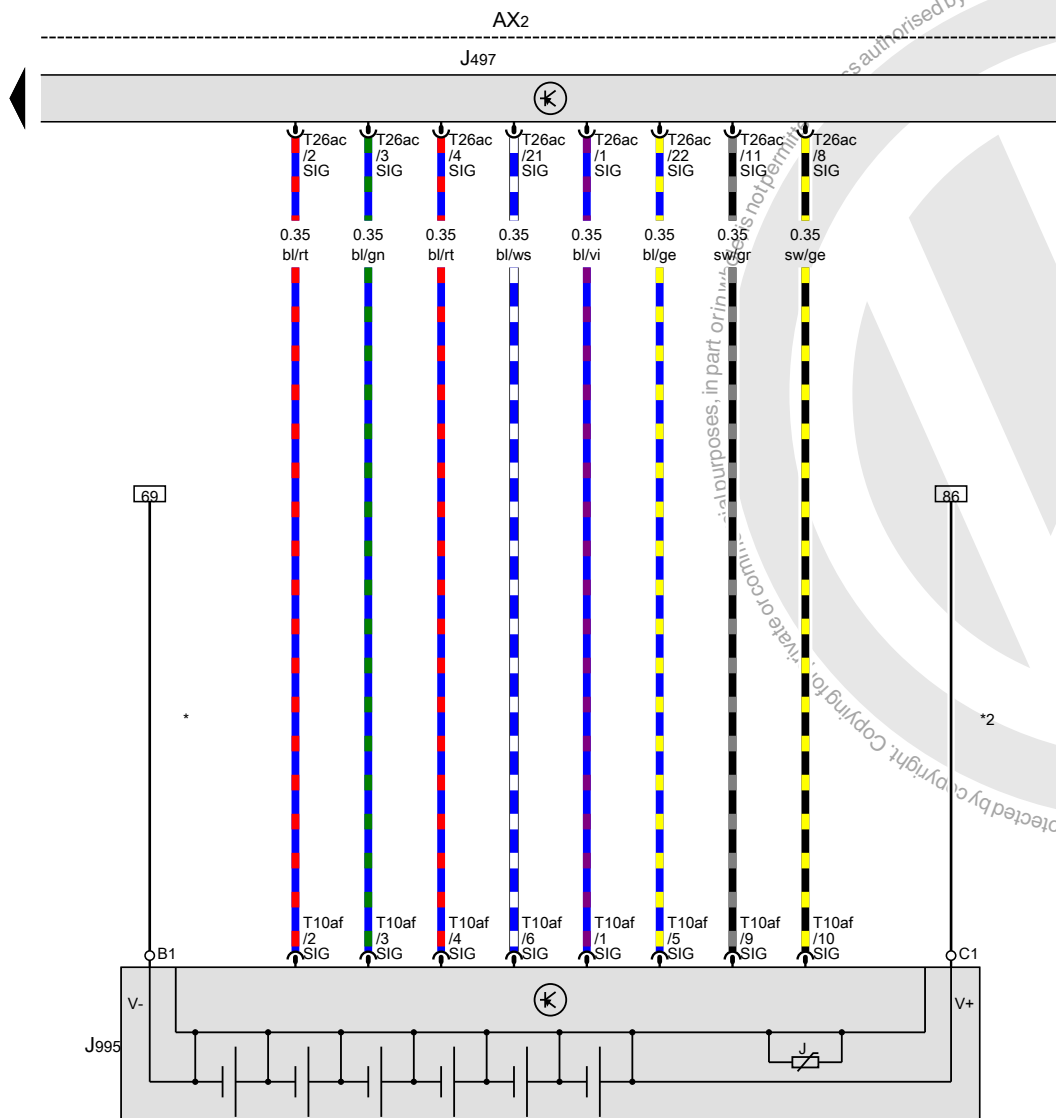
# High-voltage battery 1, Module monitor control unit for batteries, Battery module 3

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J993 Battery module 3
- T10ad 10-pin connector, black
- T26ab 26-pin connector, white
- \* Connecting cable 4 for battery module (P29)
- \*2 Connecting cable 5 for battery module (P30)

# High-voltage battery 1, Module monitor control unit for batteries, Battery module 4

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J994 Battery module 4
- T10ae 10-pin connector, black
- T26ac 26-pin connector, blue
- \* Connecting cable 5 for battery module (P30)
- \*2 Connecting cable 6 for battery module (P31)





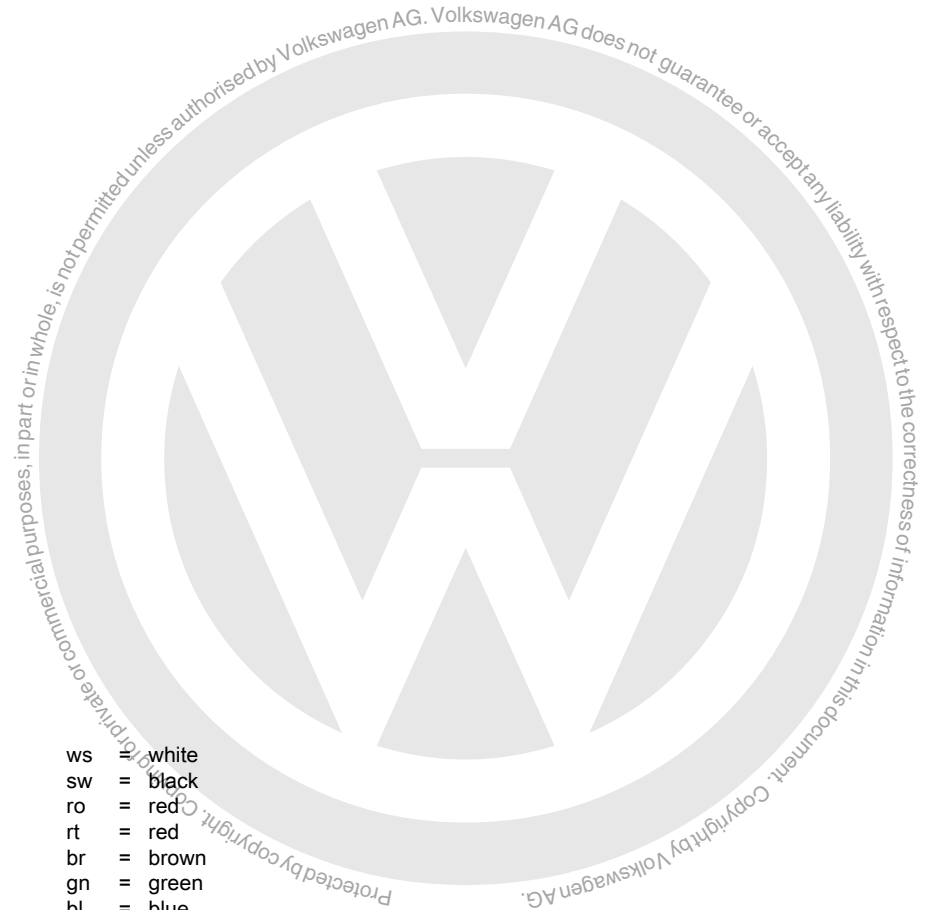
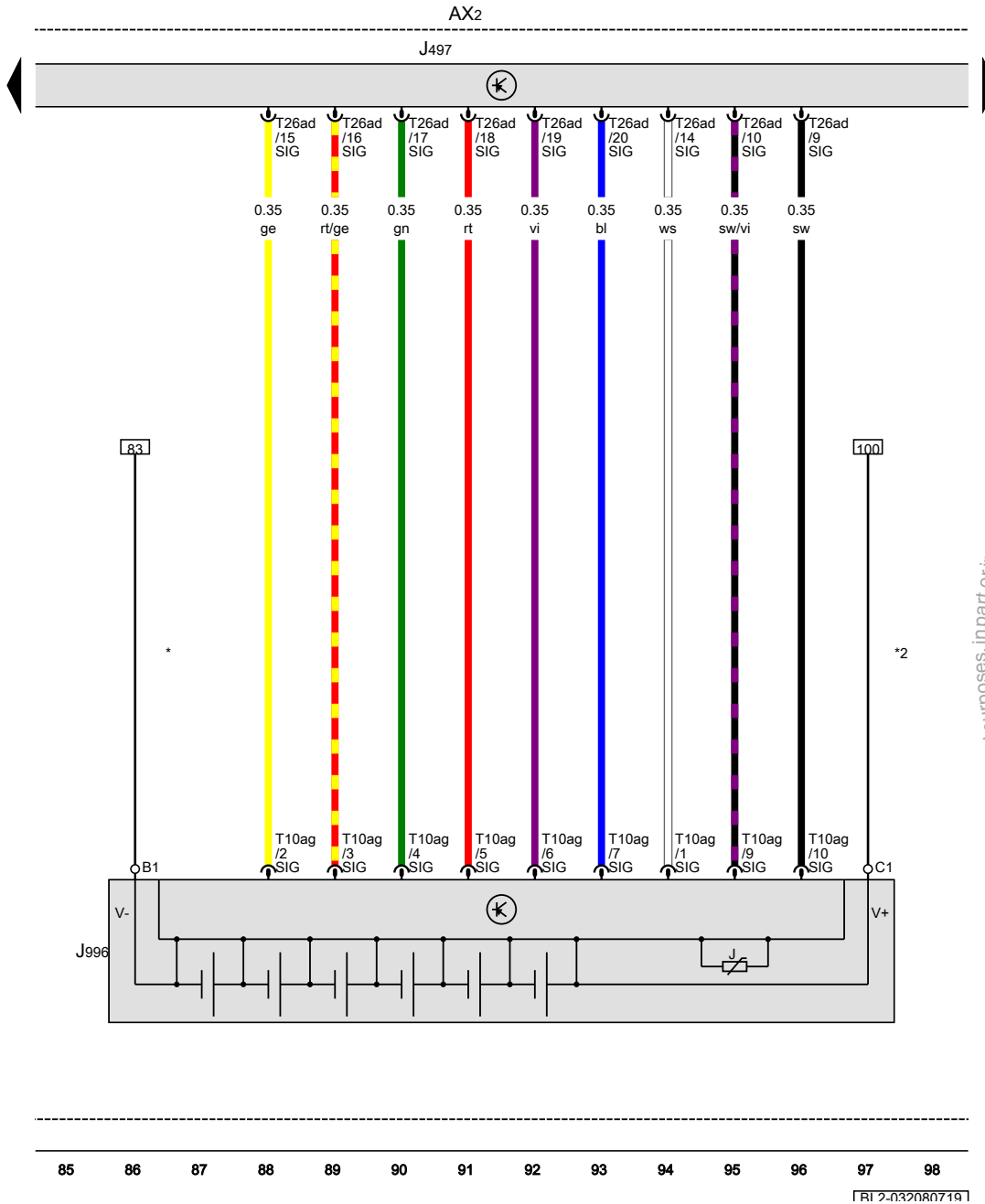
# High-voltage battery 1, Module monitor control unit for batteries, Battery module 5

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J995 Battery module 5
- T10af 10-pin connector, black
- T26ac 26-pin connector, blue
- \* Connecting cable 6 for battery module (P31)
- \*2 Connecting cable 7 for battery module (P32)

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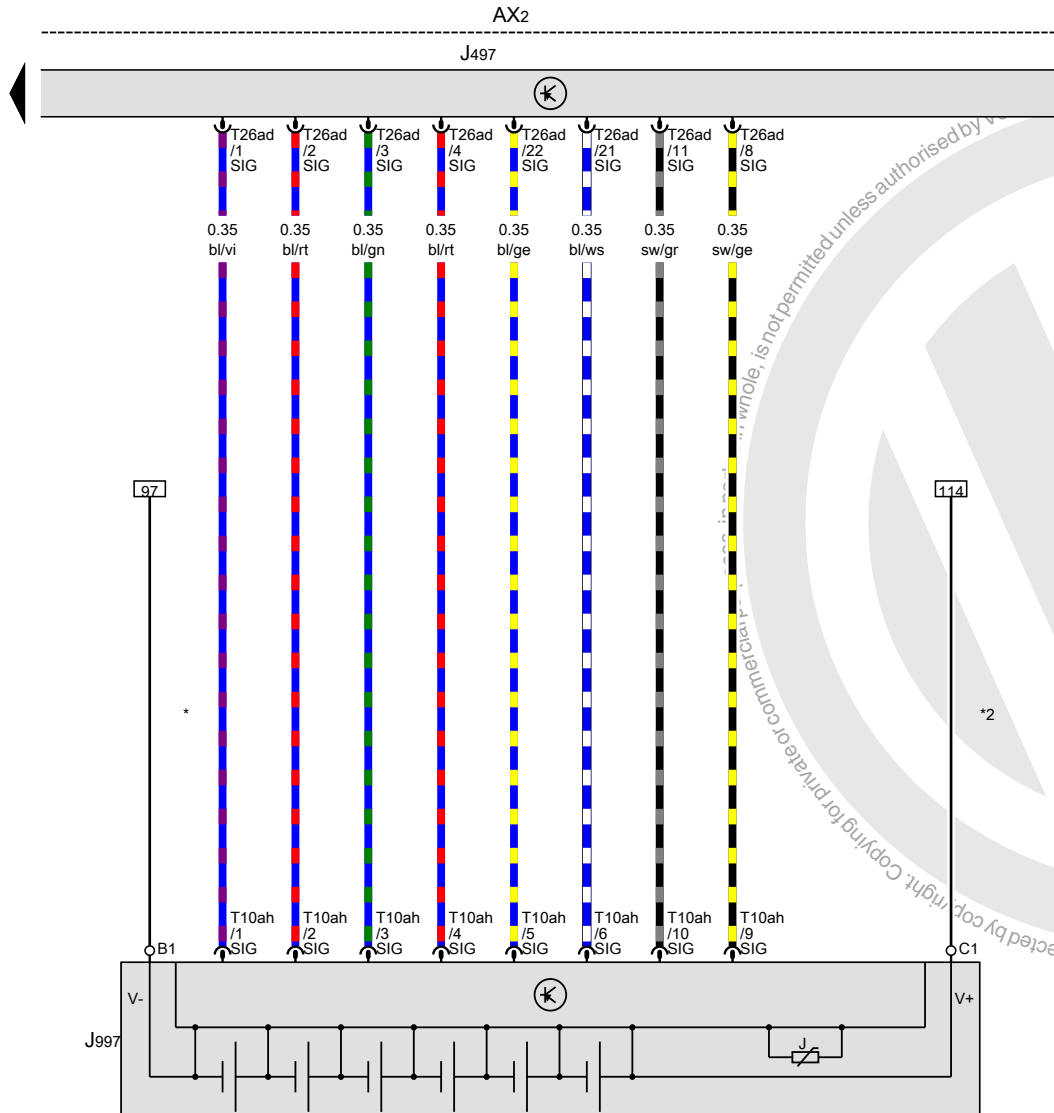
High-voltage battery 1, Module monitor control unit for batteries, Battery module 6

- AX2 High-voltage battery 1  
 J497 Module monitor control unit for batteries  
 J996 Battery module 6  
 T10ag 10-pin connector, black  
 T26ad 26-pin connector, purple  
 \* Connecting cable 7 for battery module (P32)  
 \*2 Connecting cable 8 for battery module (P33)



High-voltage battery 1, Module monitor control unit for batteries, Battery module 7

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J997 Battery module 7
- T10ah 10-pin connector, black
- T26ad 26-pin connector, purple
- \* Connecting cable 8 for battery module (P33)
- \*2 Connecting cable 9 for battery module (P34)



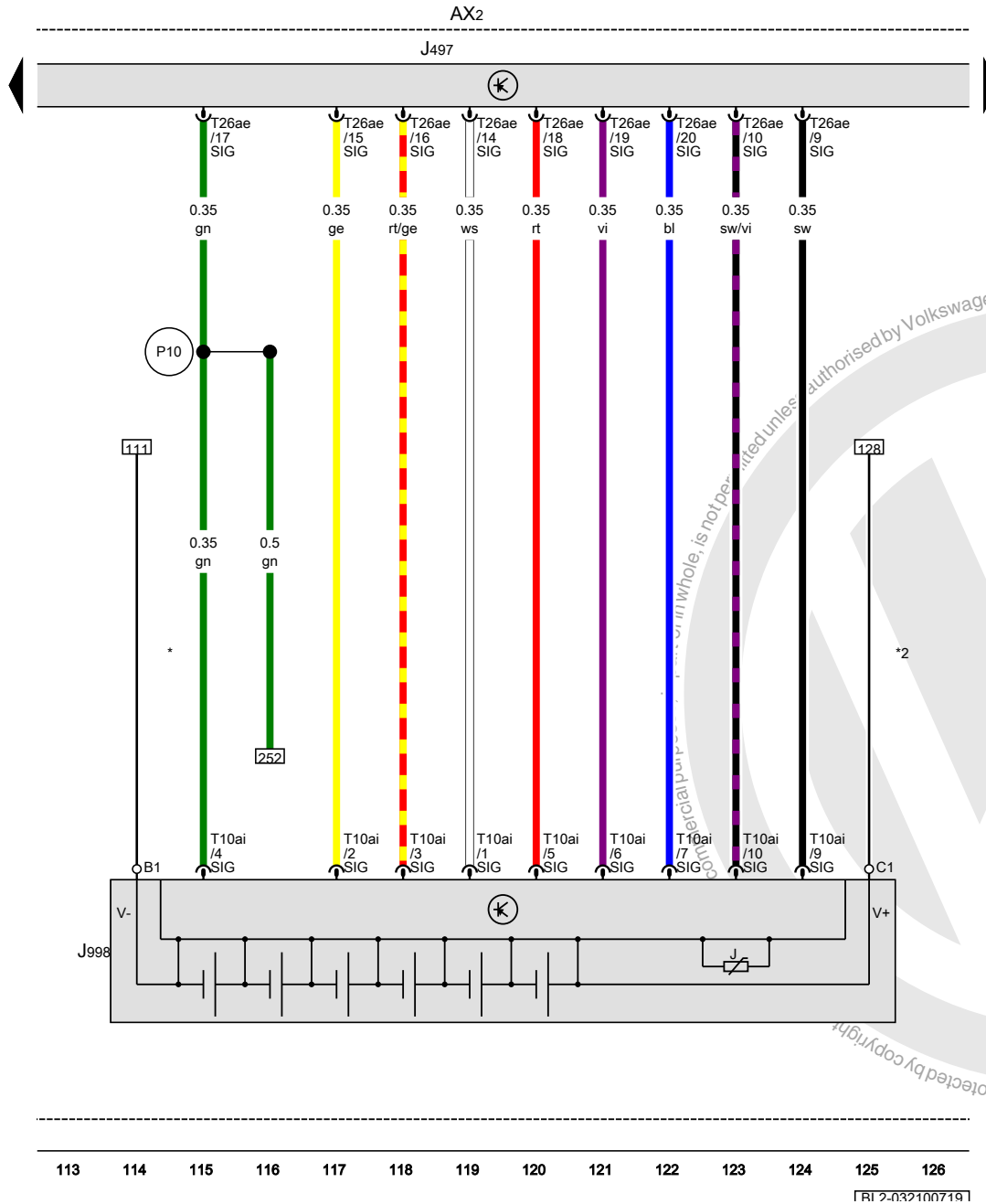
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- vi = purple
- ge = yellow
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- rs = pink

High-voltage battery 1, Module monitor control unit for batteries, Battery module 8

AX2 High-voltage battery 1  
J497 Module monitor control unit for batteries  
J998 Battery module 8  
T10ai 10-pin connector, black  
T26ae 26-pin connector, green

P10 Connection 4, in high-voltage battery wiring harness

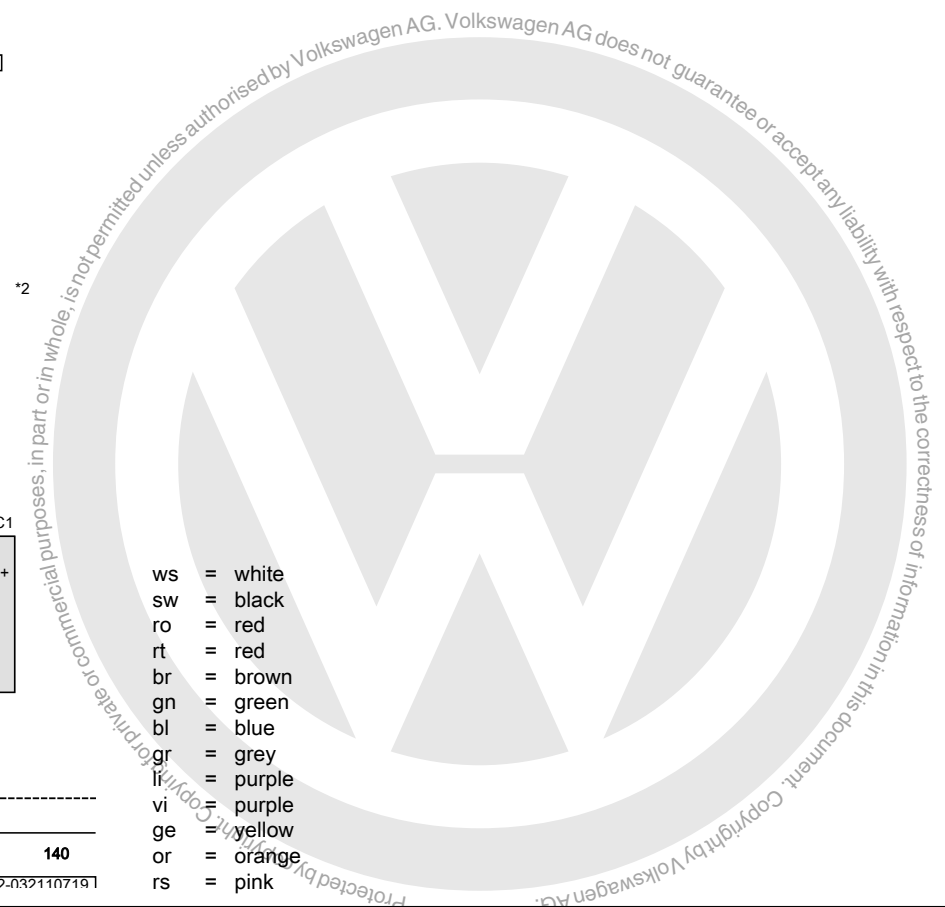
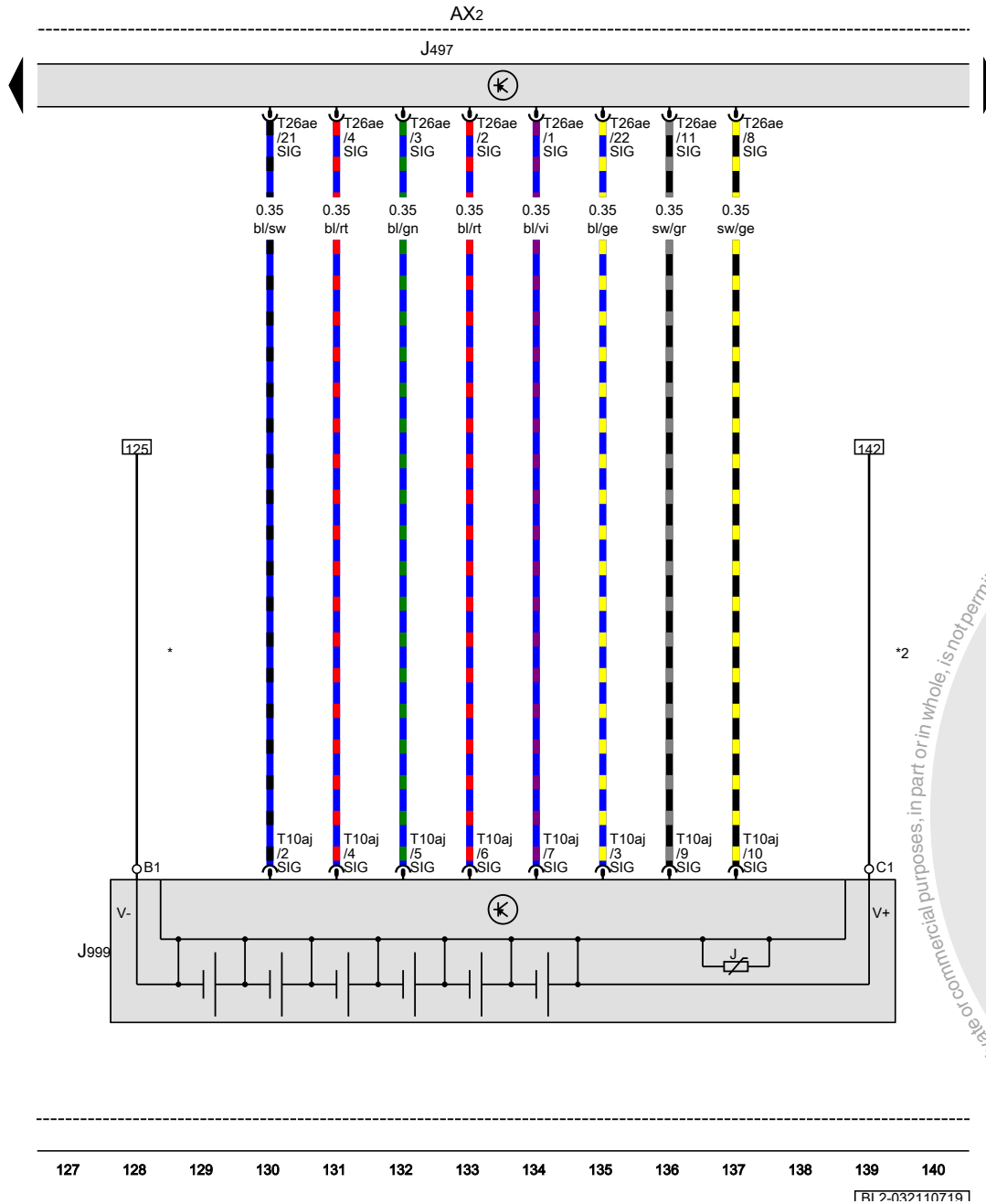
\* Connecting cable 9 for battery module (P34)  
\*2 Connecting cable 10 for battery module (P35)





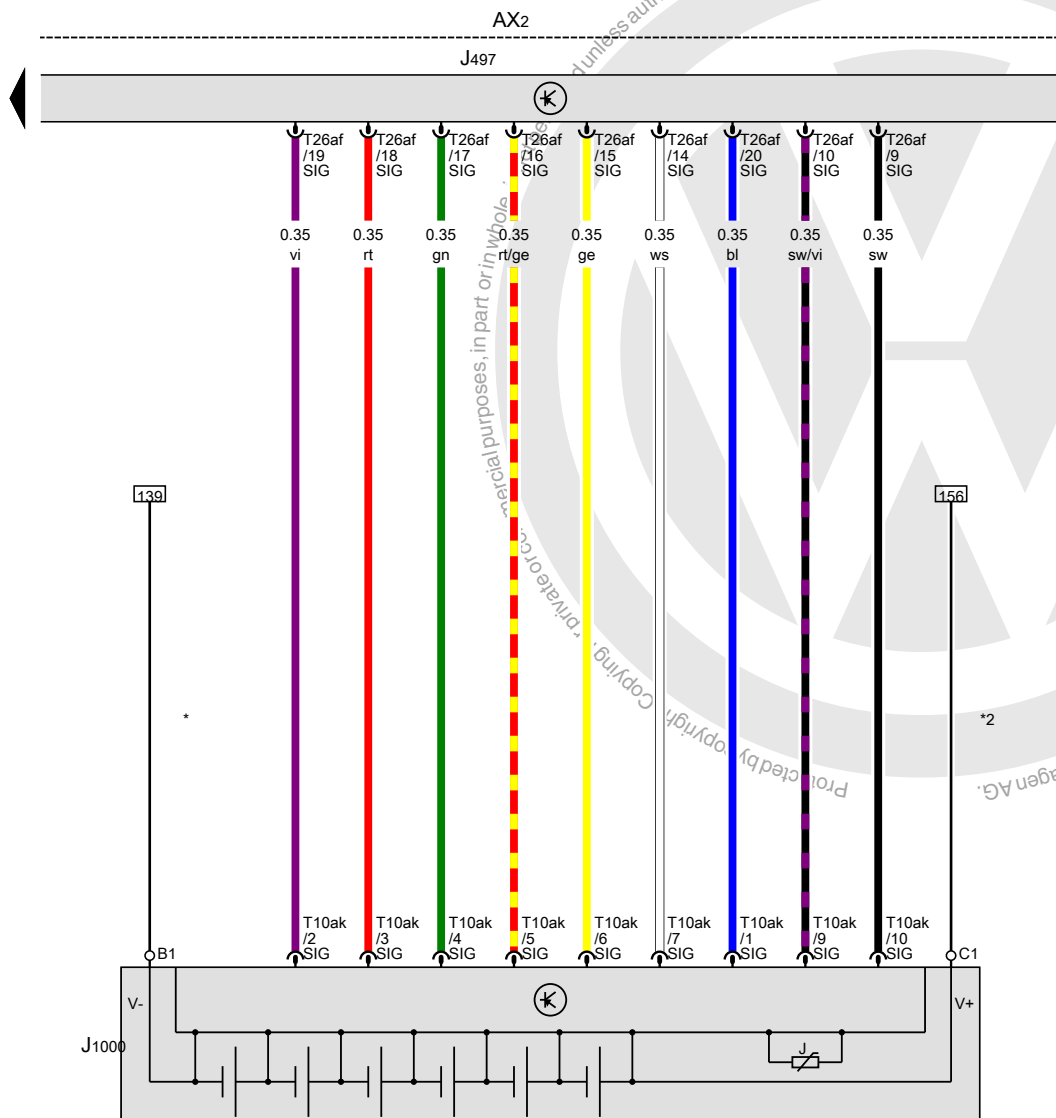
High-voltage battery 1, Module monitor control unit for batteries, Battery module 9

- AX2 High-voltage battery 1  
 J497 Module monitor control unit for batteries  
 J999 Battery module 9  
 T10aj 10-pin connector, black  
 T26ae 26-pin connector, green  
 \* Connecting cable 10 for battery module (P35)  
 \*2 Connecting cable 11 for battery module (P36)



# High-voltage battery 1, Module monitor control unit for batteries, Battery module 10

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J1000 Battery module 10
- T10ak 10-pin connector, black
- T26af 26-pin connector, brown
- \* Connecting cable 11 for battery module (P36)
- \*2 Connecting cable 12 for battery module (P37)



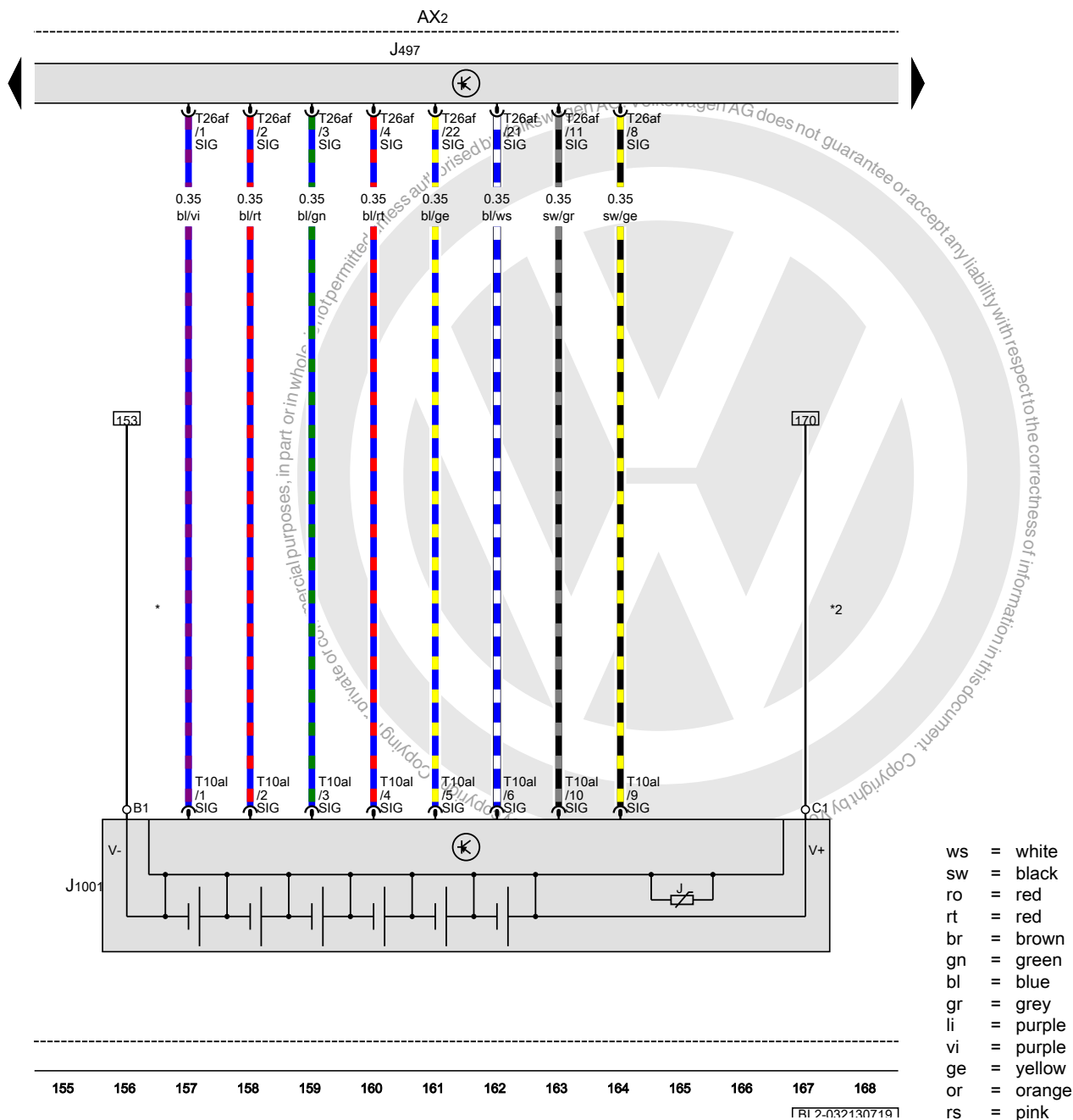
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- rs = pink

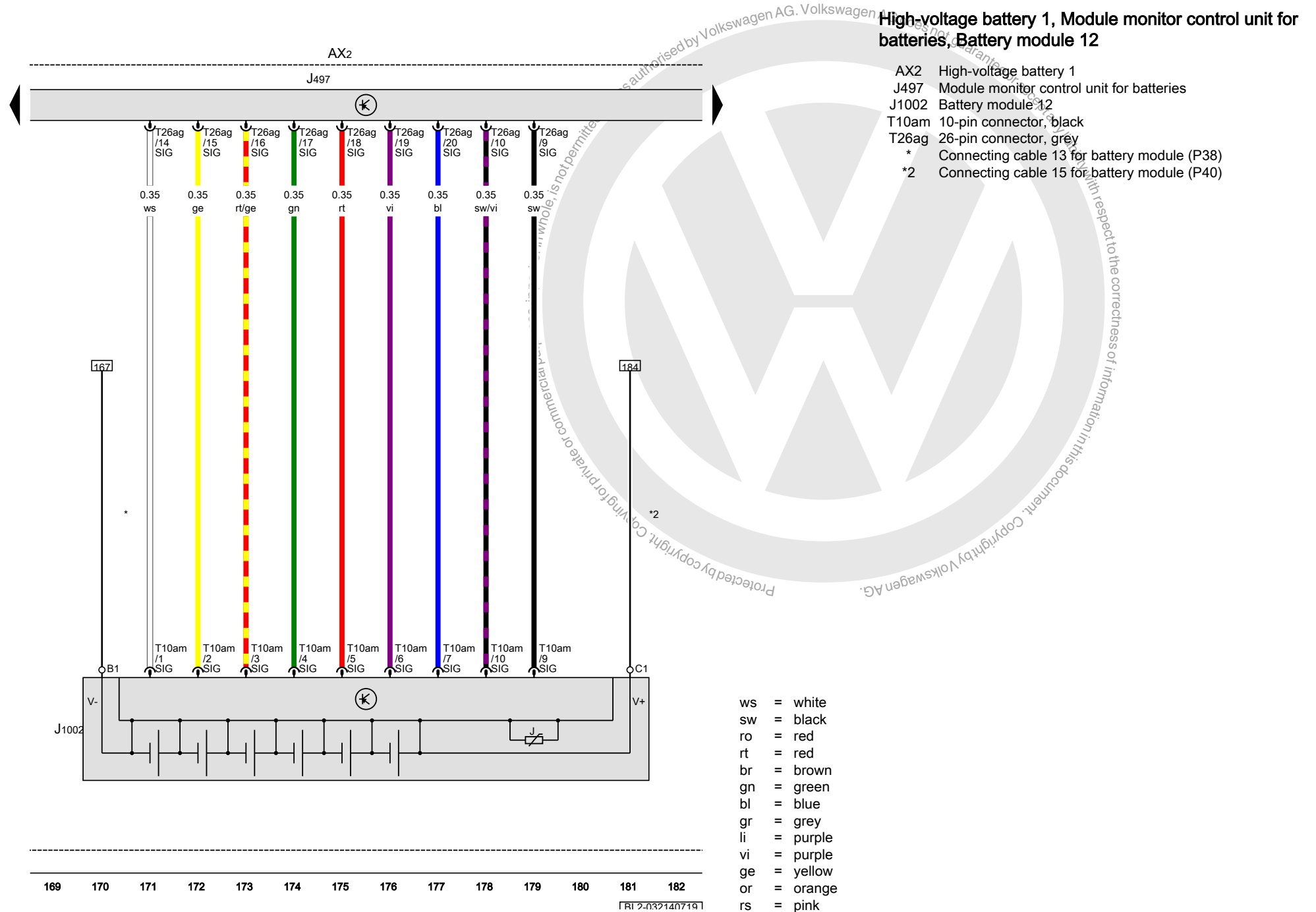
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High-voltage battery 1, Module monitor control unit for batteries, Battery module 11

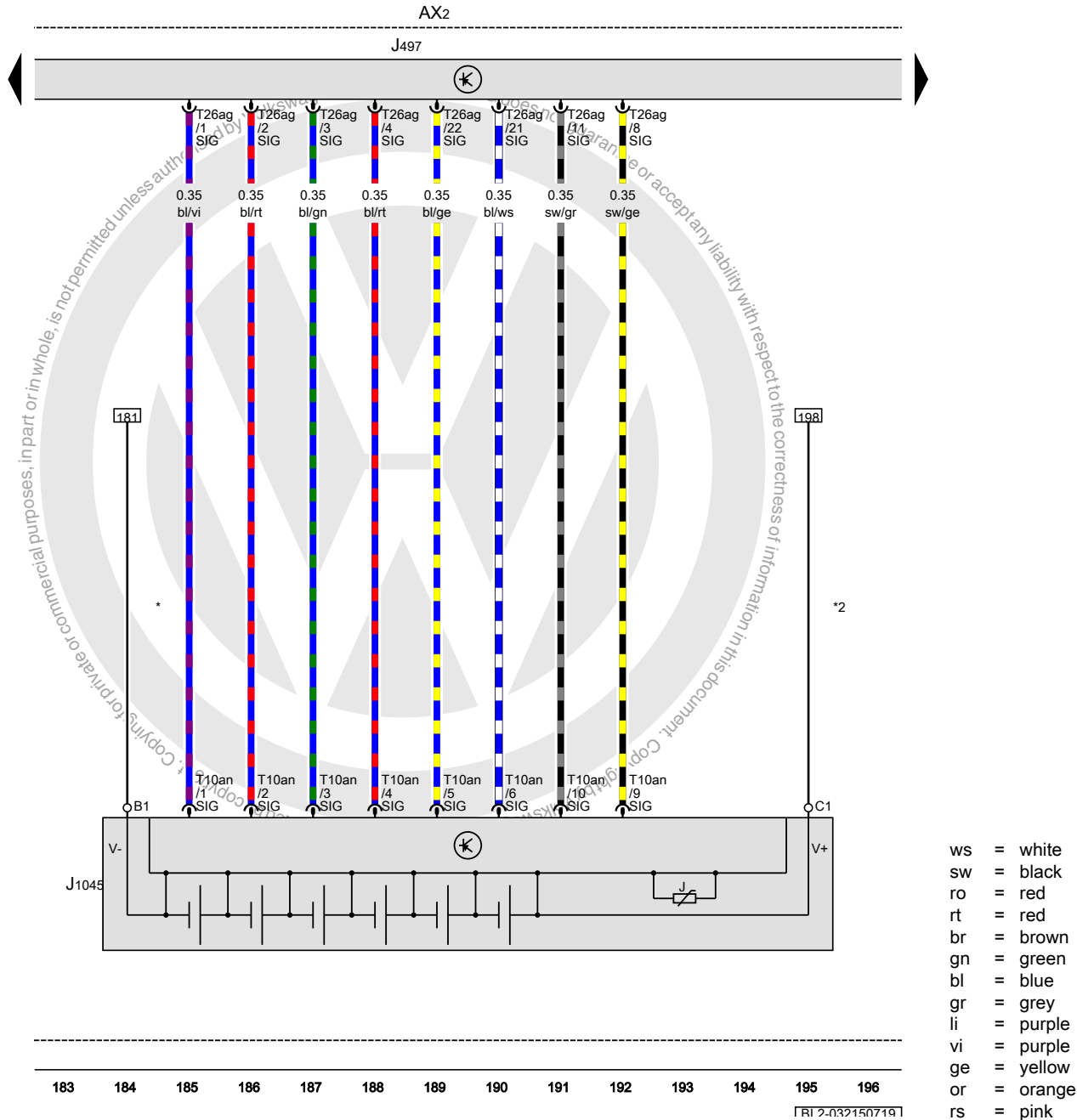
- AX2 High-voltage battery 1  
 J497 Module monitor control unit for batteries  
 J1001 Battery module 11  
 T10al 10-pin connector, black  
 T26af 26-pin connector, brown  
 \* Connecting cable 12 for battery module (P37)  
 \*2 Connecting cable 13 for battery module (P38)





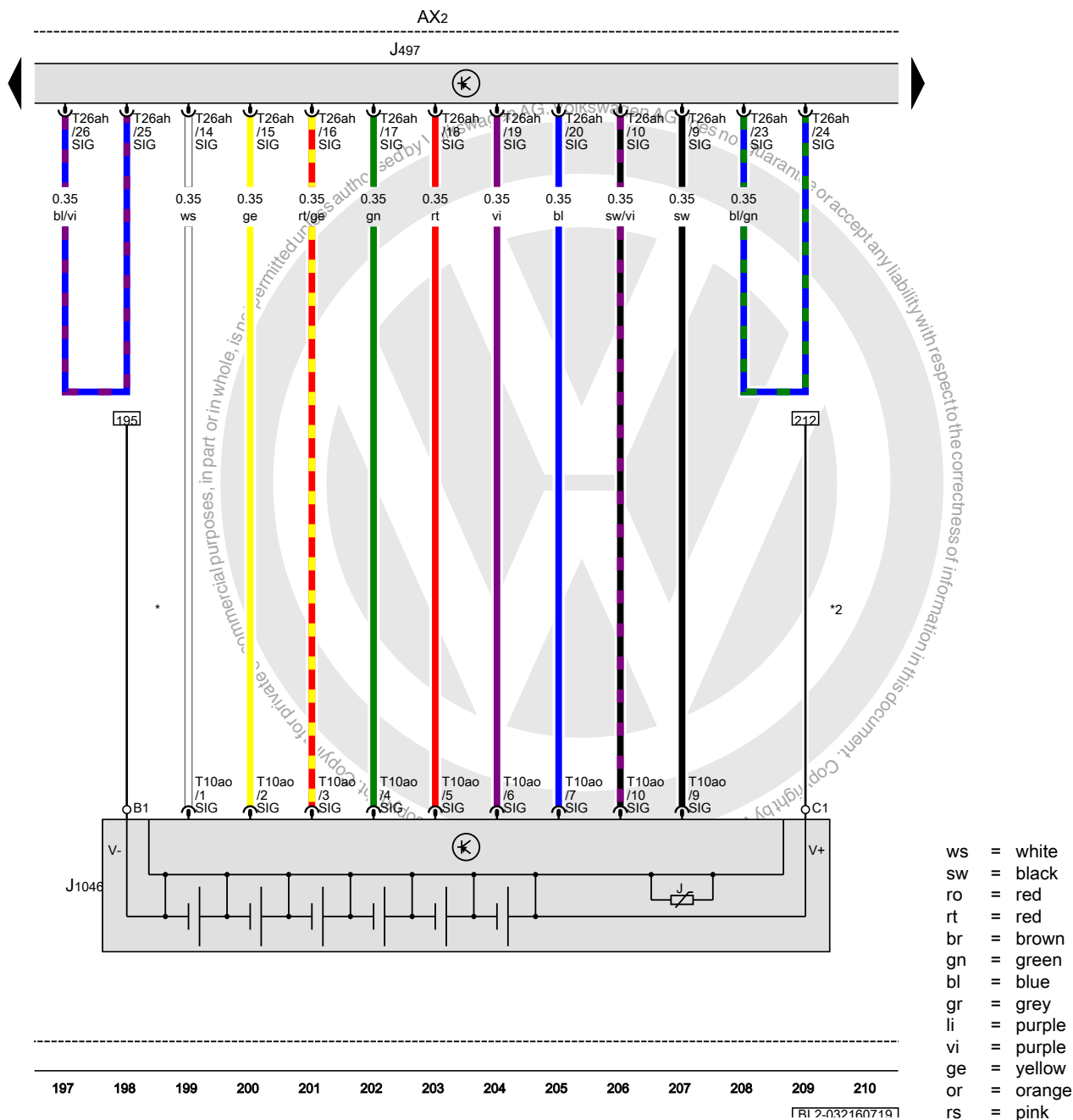
High-voltage battery 1, Module monitor control unit for batteries, Battery module 13

- AX2 High-voltage battery 1  
 J497 Module monitor control unit for batteries  
 J1045 Battery module 13  
 T10an 10-pin connector, black  
 T26ag 26-pin connector, grey  
 \* Connecting cable 15 for battery module (P40)  
 \*2 Connecting cable 16 for battery module (P41)

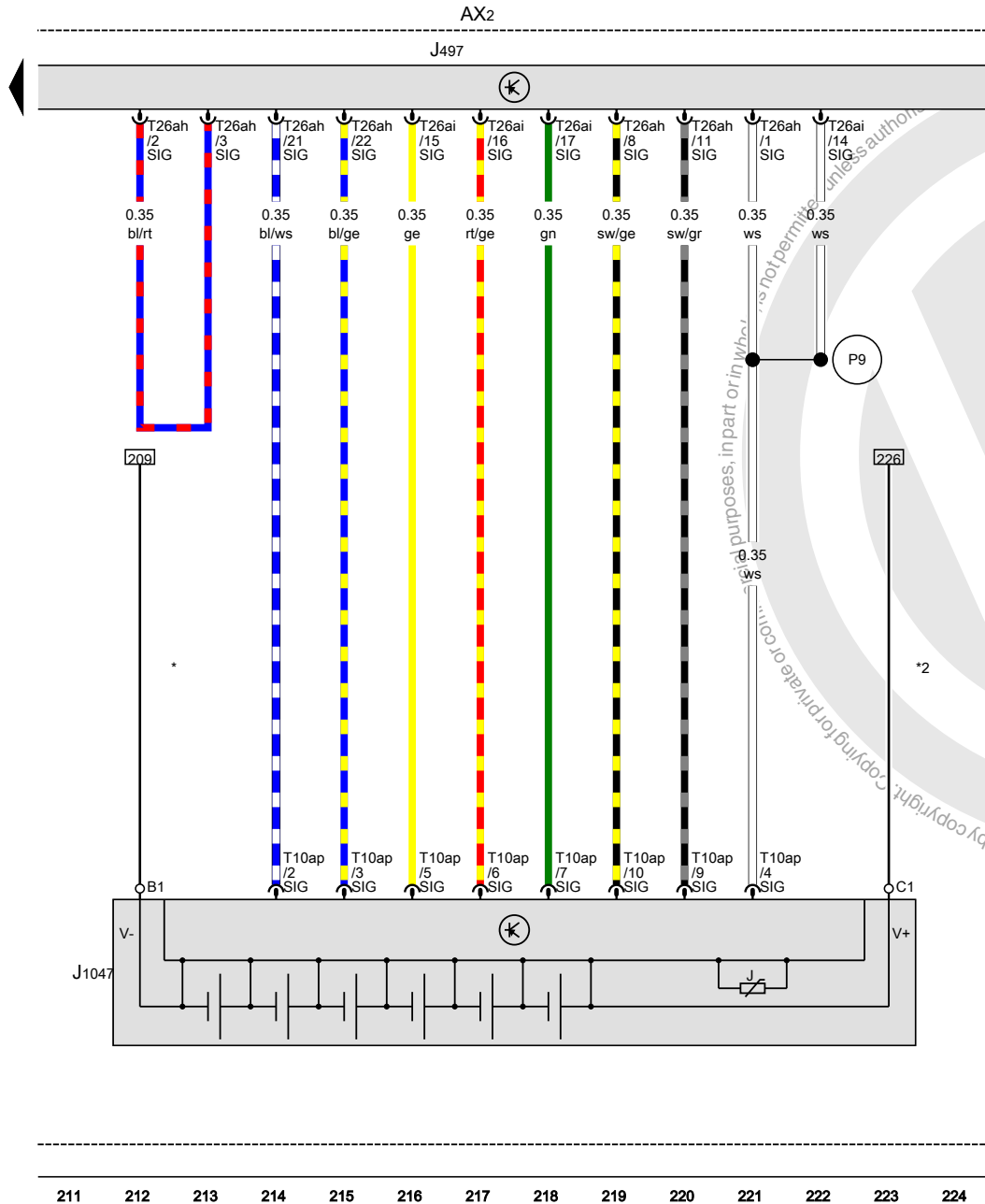


# High-voltage battery 1, Module monitor control unit for batteries, Battery module 14

- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J1046 Battery module 14
- T10ao 10-pin connector, black
- T26ah 26-pin connector, pink
- \* Connecting cable 16 for battery module (P41)
- \*2 Connecting cable 17 for battery module (P42)



High-voltage battery 1, Module monitor control unit for batteries, Battery module 15



- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J1047 Battery module 15
- T10ap 10-pin connector, black
- T26ah 26-pin connector, pink
- T26ai 26-pin connector, colourless
- P9 Connection 3, in high-voltage battery wiring harness
- \* Connecting cable 17 for battery module (P42)
- \*2 Connecting cable 18 for battery module (P43)

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ro = red

rt = red

br = brown

gn = green

bl = blue

gr = grey

li = purple

vi = purple

ge = yellow

or = orange

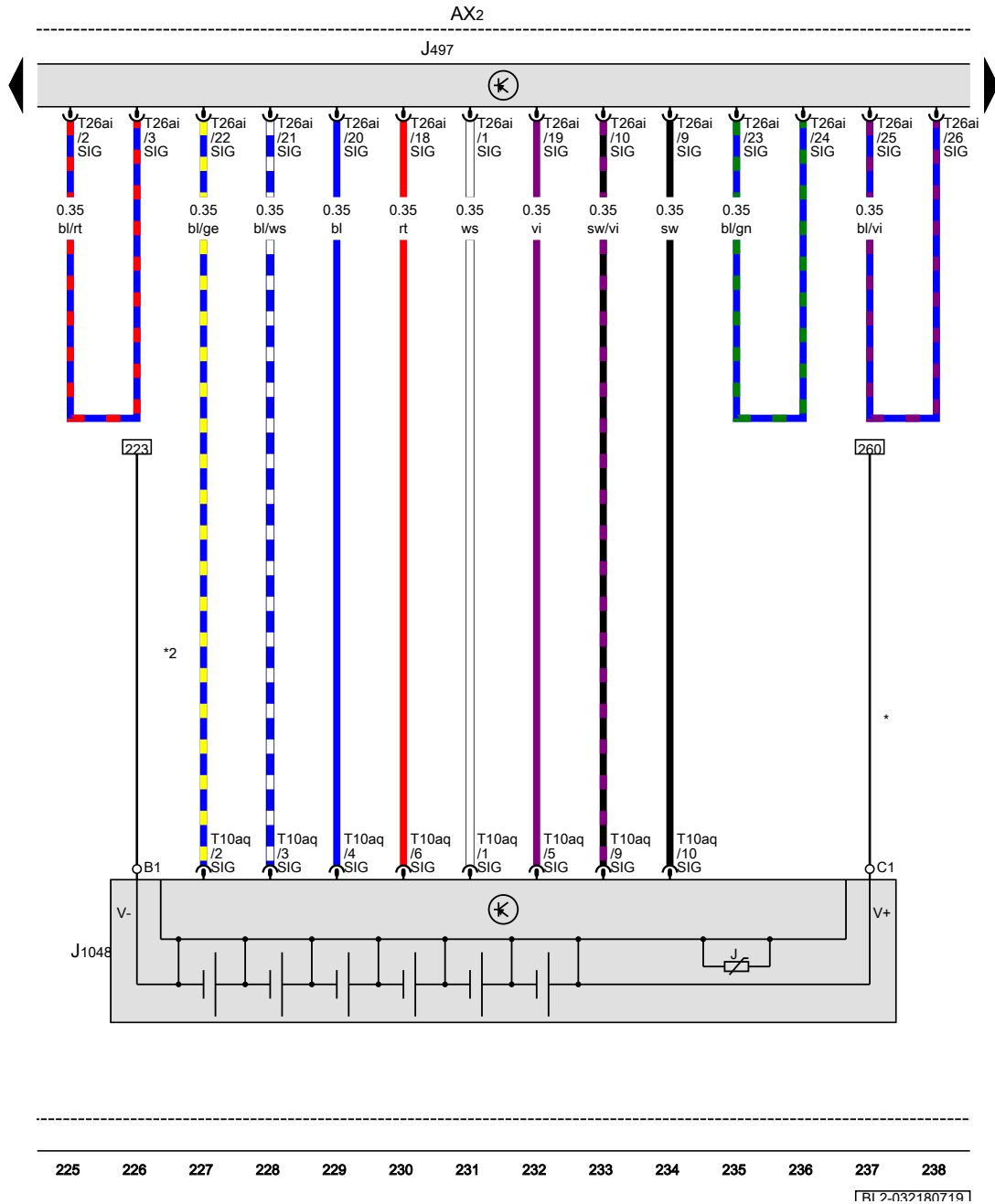
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High-voltage battery 1, Module monitor control unit for batteries, Battery module 16

- AX2 High-voltage battery 1  
 J497 Module monitor control unit for batteries  
 J1048 Battery module 16  
 T10aq 10-pin connector, black  
 T26ai 26-pin connector, colourless  
 \* Connecting cable 19 for battery module (P44)  
 \*2 Connecting cable 18 for battery module (P43)

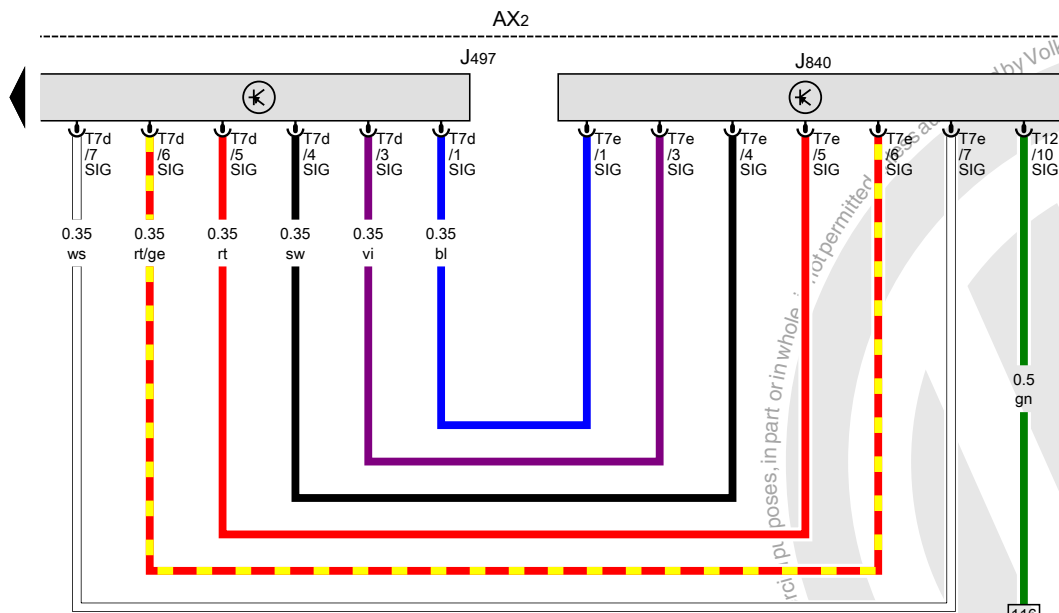
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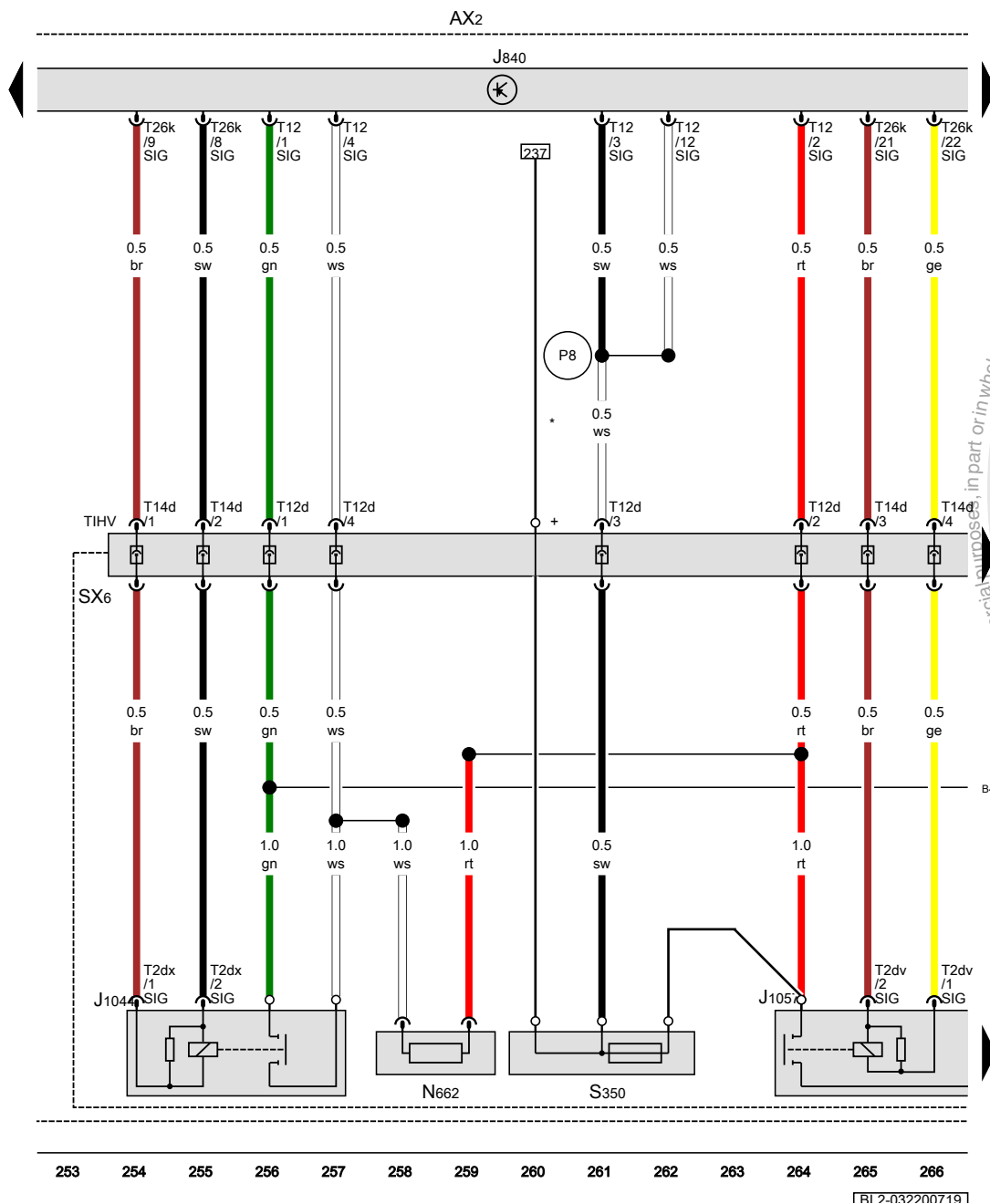


High-voltage battery 1, Module monitor control unit for batteries, Battery regulation control unit



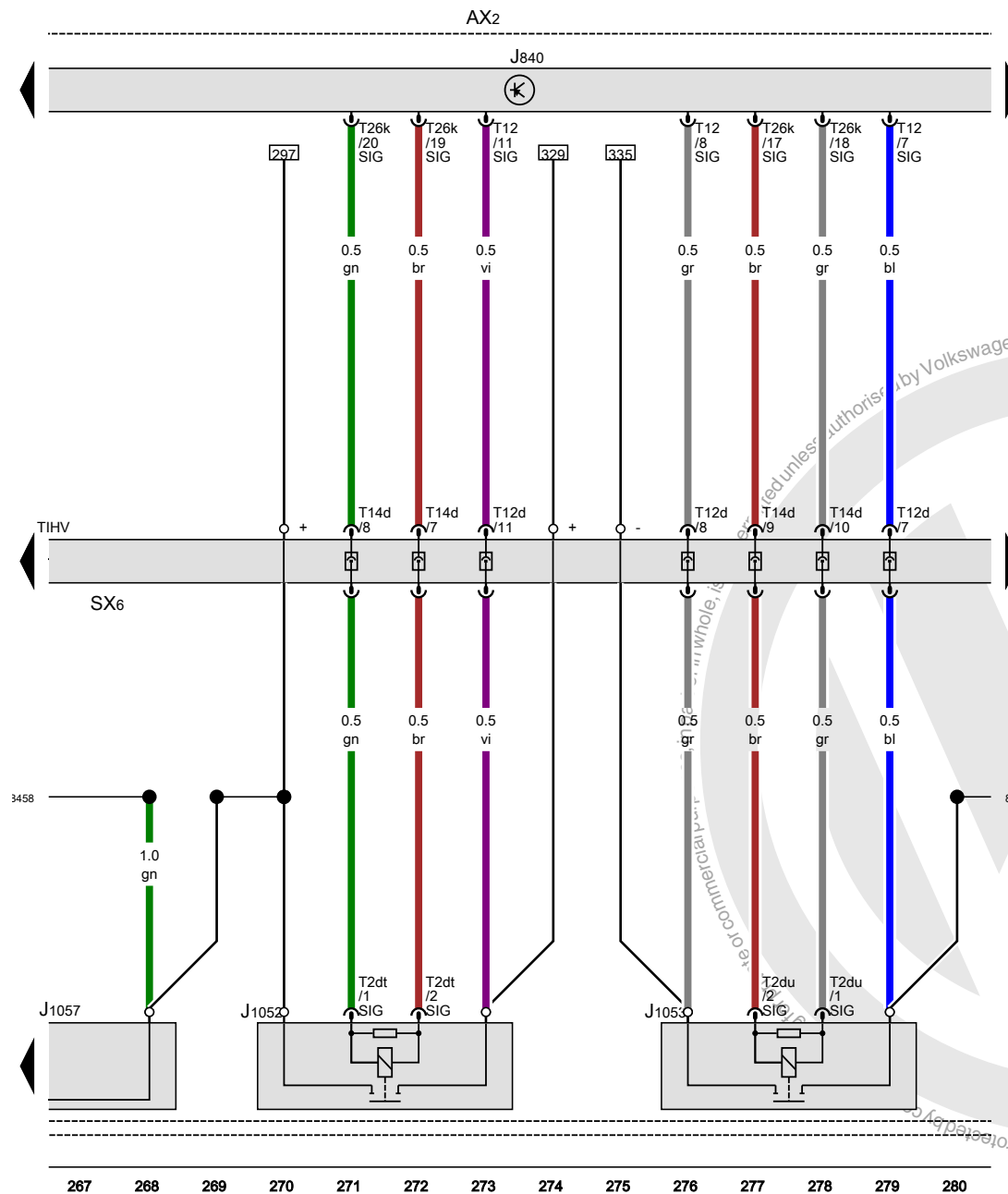
- AX2 High-voltage battery 1
- J497 Module monitor control unit for batteries
- J840 Battery regulation control unit
- T7d 7-pin connector, black
- T7e 7-pin connector, black
- T12 12-pin connector, black

- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
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- rs = pink



High-voltage battery 1, Battery regulation control unit, Precharge contactor for high-voltage battery, High-voltage battery power contactor 1, Protection resistor for high-voltage battery, Switching unit for high-voltage battery, High-voltage system fuse 1

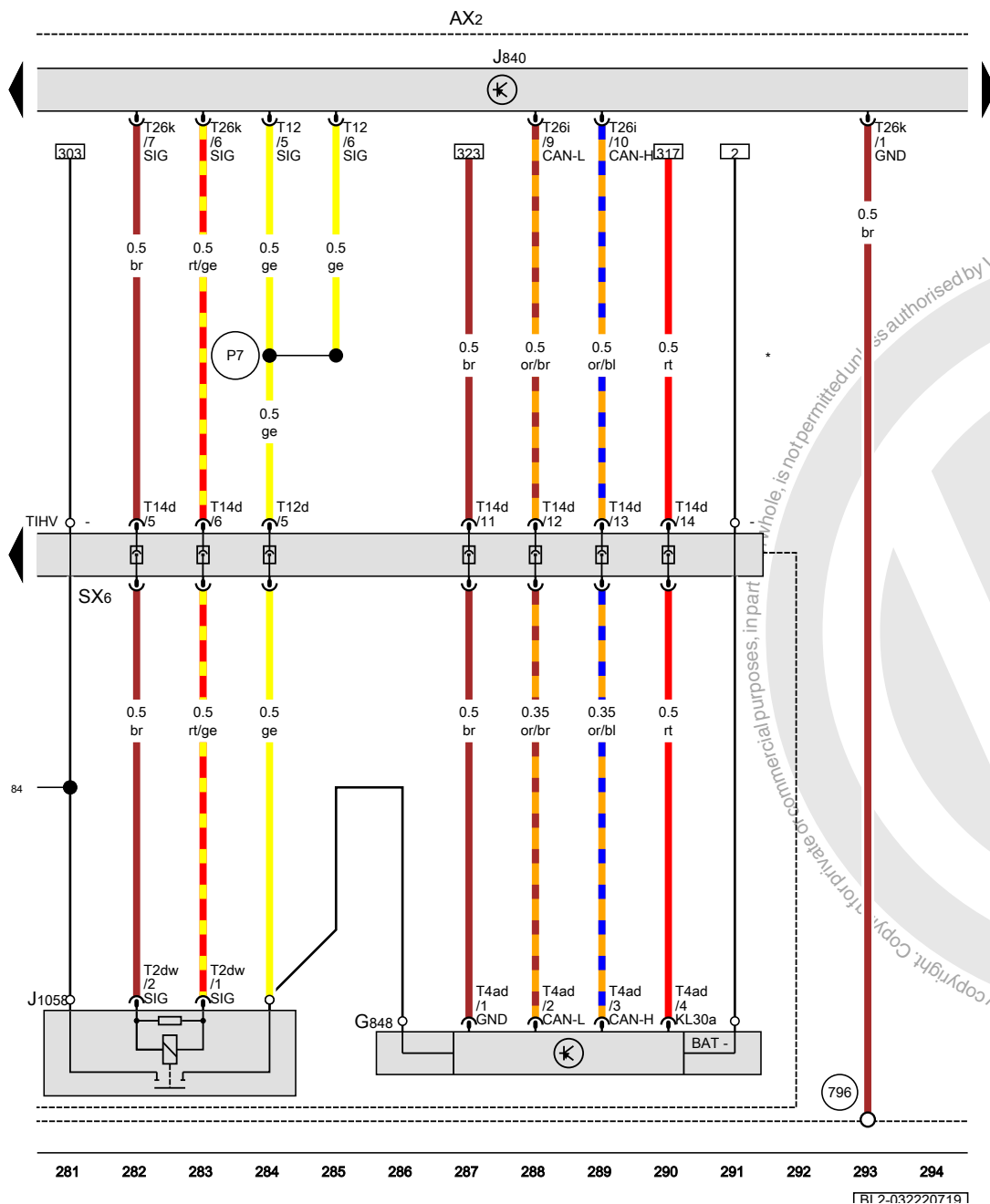
- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- J1044 Precharge contactor for high-voltage battery
- J1057 High-voltage battery power contactor 1
- N662 Protection resistor for high-voltage battery
- SX6 Switching unit for high-voltage battery
- S350 High-voltage system fuse 1
- T2dv 2-pin connector, black
- T2dx 2-pin connector, black
- T12 12-pin connector, black
- T12d 12-pin connector, black
- T14d 14-pin connector, black
- T26k 26-pin connector, black
- TIHV Coupling point in high-voltage battery
- P8 Connection 2, in high-voltage battery wiring harness
- \* Connecting cable 19 for battery module (P44)



High-voltage battery 1, Battery regulation control unit, DC charge contactor 1, DC charge contactor 2, High-voltage battery power contactor 1, Switching unit for high-voltage battery

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- J1052 DC charge contactor 1
- J1053 DC charge contactor 2
- J1057 High-voltage battery power contactor 1
- SX6 Switching unit for high-voltage battery
- T2dt 2-pin connector, black
- T2du 2-pin connector, black
- T12 12-pin connector, black
- T12d 12-pin connector, black
- T14d 14-pin connector, black
- T26k 26-pin connector, black
- TIHV Coupling point in high-voltage battery

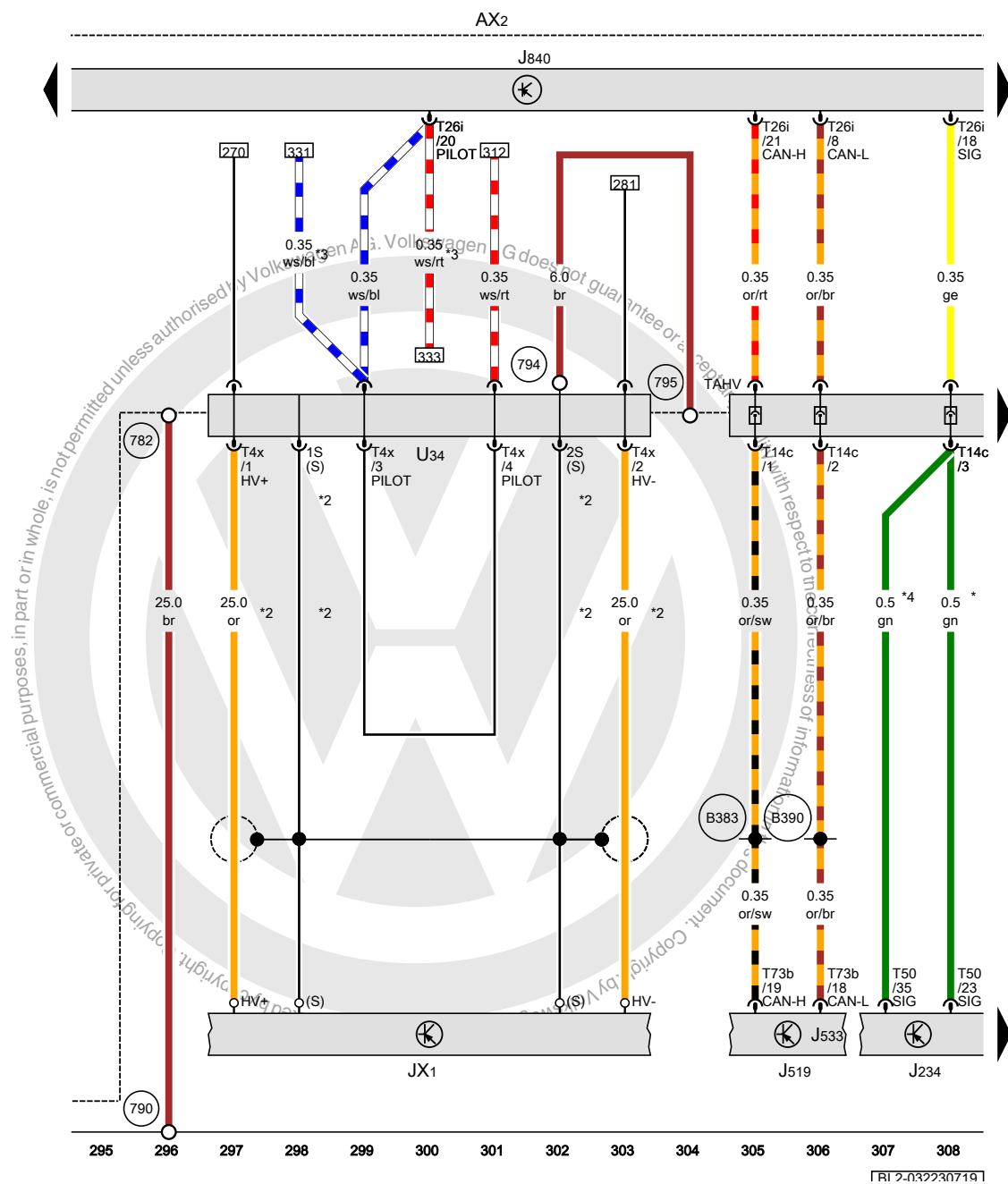
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- rs = pink



High-voltage battery 1, Current sensor for high-voltage battery, Battery regulation control unit, High-voltage battery power contactor 2, Switching unit for high-voltage battery

- AX2 High-voltage battery 1
- G848 Current sensor for high-voltage battery
- J840 Battery regulation control unit
- J1058 High-voltage battery power contactor 2
- SX6 Switching unit for high-voltage battery
- T2dw 2-pin connector, black
- T4ad 4-pin connector, black
- T12 12-pin connector, black
- T12d 12-pin connector, black
- T14d 14-pin connector, black
- T26i 26-pin connector, black
- T26k 26-pin connector, black
- TIHV Coupling point in high-voltage battery
- 796 Earth point 3, in high-voltage battery
- P7 Connection 1, in high-voltage battery wiring harness
- \* Connecting cable 1 for battery module (P26)

ws = white  
 sw = black  
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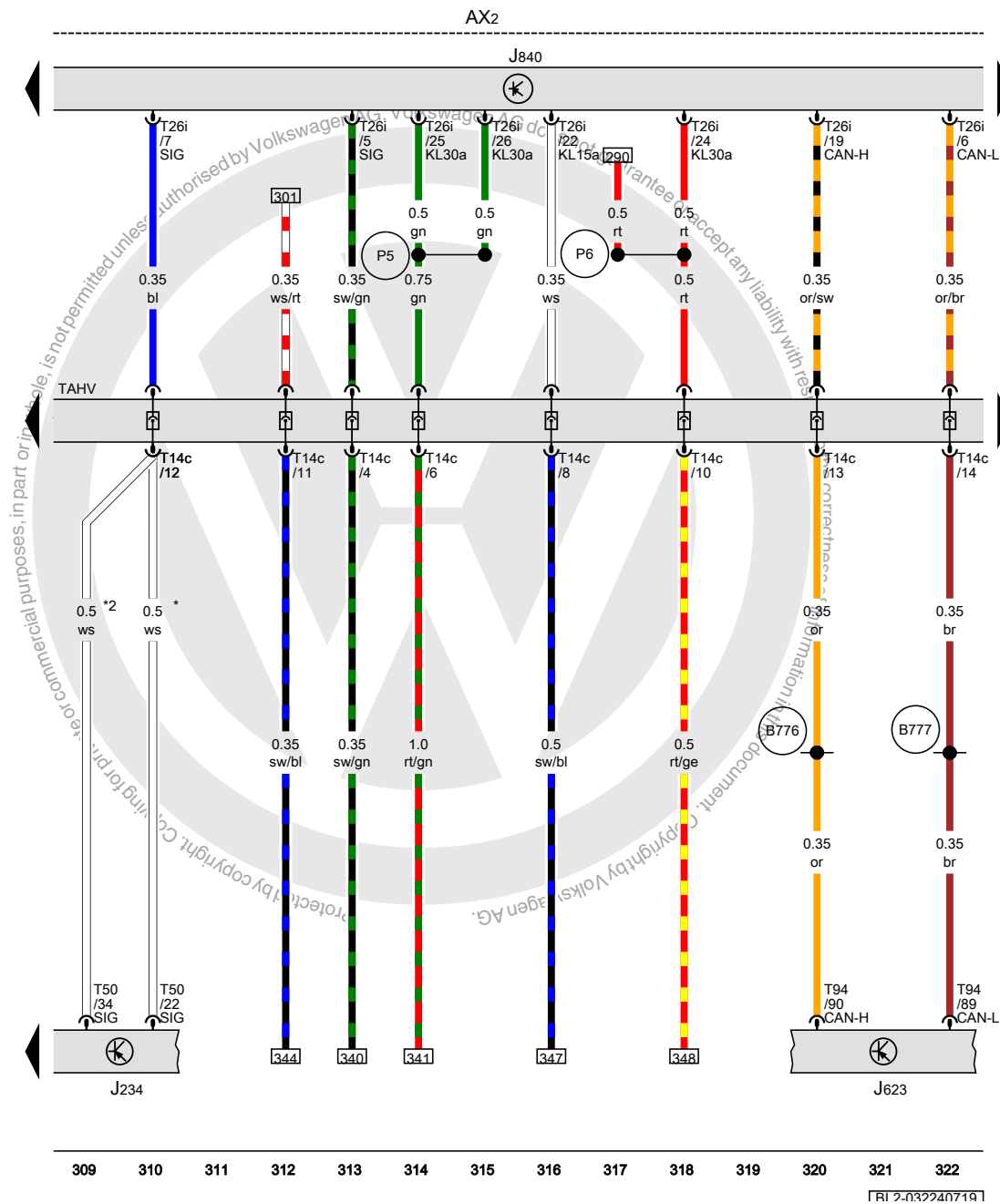


# High-voltage battery 1, Battery regulation control unit

- AX2 High-voltage battery 1
- JX1 Power and control electronics for electric drive
- J234 Airbag control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J840 Battery regulation control unit
- T4x 4-pin connector, black
- T14c 14-pin connector, black
- T26i 26-pin connector, black
- T50 50-pin connector, yellow
- T73b 73-pin connector, colourless
- TAHV Coupling point on high-voltage battery
- U34 High-voltage battery charging connection 1

- 782 Earth point 1, on high-voltage battery
- 790 Earth point on front left of underbody
- 794 Earth point 1, in high-voltage battery
- 795 Earth point 2, in high-voltage battery
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- \* Up to August 2019
- \*2 High-voltage wiring harness for high-voltage battery (PX1)
- \*3 For models with combined AC and DC charging system
- \*4 From August 2019

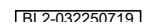
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## High-voltage battery 1, Battery regulation control unit

- AX2 High-voltage battery 1
- J234 Airbag control unit
- J623 Engine/motor control unit
- J840 Battery regulation control unit
- T14c 14-pin connector, black
- T26i 26-pin connector, black
- T50 50-pin connector, yellow
- T94 94-pin connector, black
- TAHV Coupling point on high-voltage battery

- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness
- P5 Positive connection 1, in high-voltage battery wiring harness
- P6 Positive connection 2, in high-voltage battery wiring harness
- \* Up to August 2019
- \*2 From August 2019



AX2	High-voltage battery 1
J840	Battery regulation control unit
T4z	4-pin connector, black
T14c	14-pin connector, black
T26i	26-pin connector, black
TAHV	Coupling point on high-voltage battery
UX4	High-voltage battery charging socket 1
U35	High-voltage battery charging connection 2
387	Earth connection 22, in main wiring harness
389	Earth connection 24, in main wiring harness
671	Earth point 1, on front of left longitudinal member
730	Earth point 1, on right rear wheel housing
783	Earth point 2, on high-voltage battery
791	Earth point, on rear right of underbody
859	Earth connection 1, in high-voltage battery wiring harness
860	Earth connection 2, in high-voltage battery wiring harness
*	For models with combined AC and DC charging system
*2	High-voltage wire for high-voltage battery charging (P52)

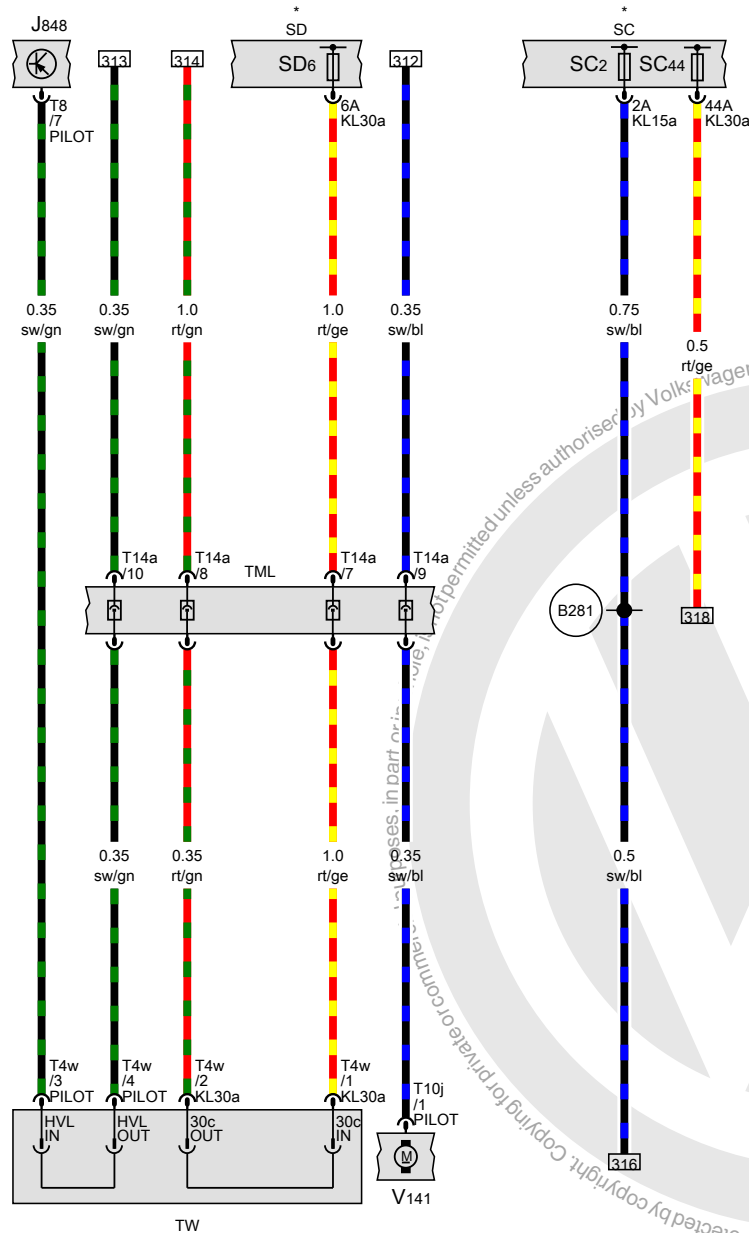
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Fuse holder C, Maintenance connector for high-voltage system

- J848 High-voltage heater (PTC) control unit
- SC Fuse holder C
- SC2 Fuse 2 on fuse holder C
- SD Fuse holder D
- SD6 Fuse 6 on fuse holder D
- SC44 Fuse 44 on fuse holder C
- T4w 4-pin connector, green
- T8 8-pin connector, black
- T10j 10-pin connector, black
- T14a 14-pin connector, brown
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system
- V141 Electric drive motor

B281 Positive connection 5 (15a) in main wiring harness

\* see applicable current flow diagram for fuse assignment

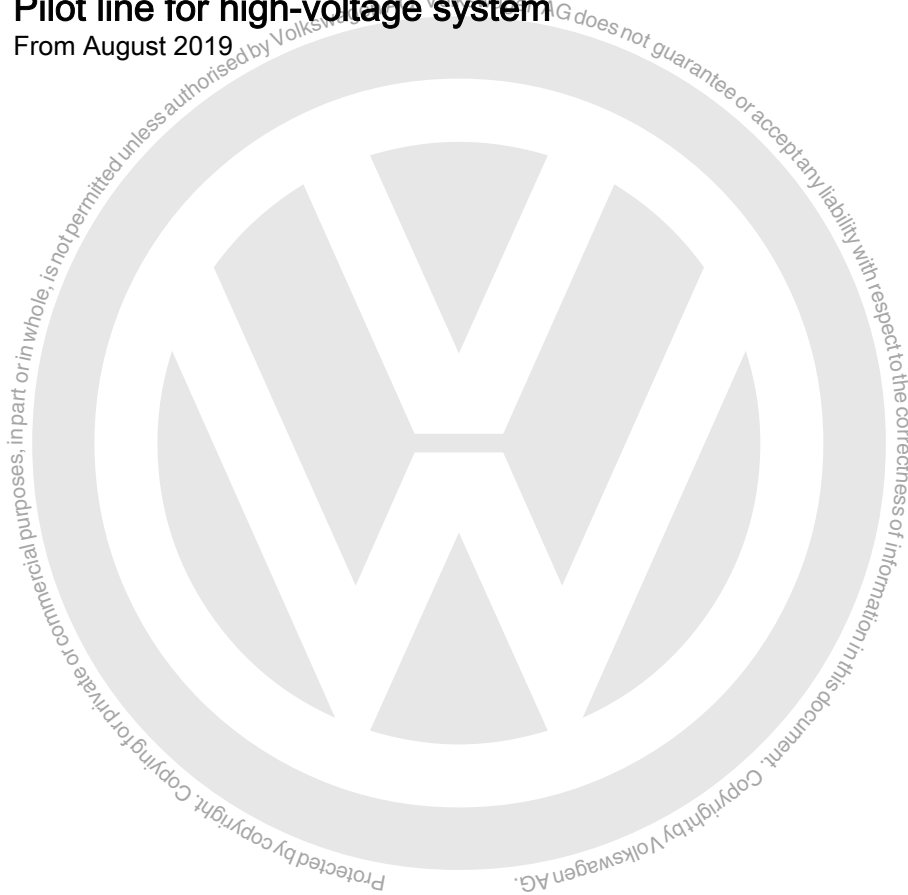


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



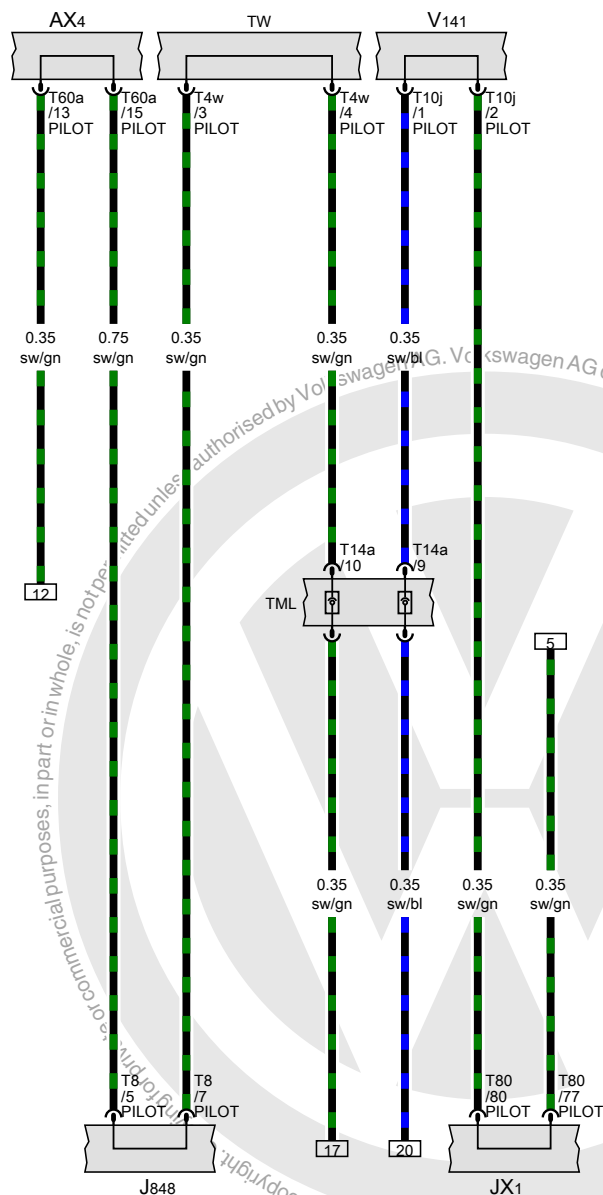
## Pilot line for high-voltage system

From August 2019



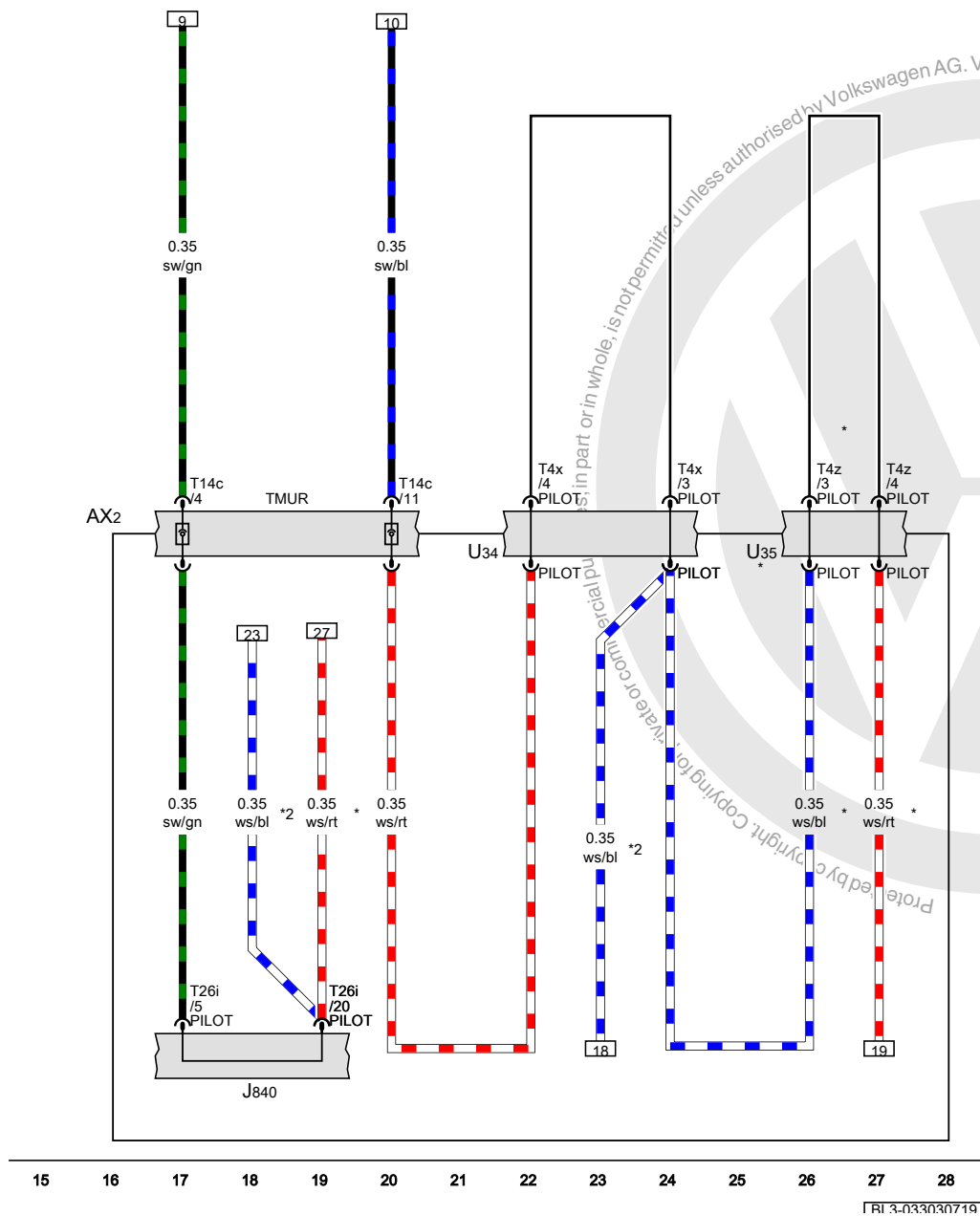
Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, High-voltage heater (PTC) control unit, Maintenance connector for high-voltage system, Electric drive motor

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J848 High-voltage heater (PTC) control unit
- T4w 4-pin connector, green
- T8 8-pin connector, black
- T10j 10-pin connector, black
- T14a 14-pin connector, brown
- T60a 60-pin connector, black
- T80 80-pin connector, black
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system
- V141 Electric drive motor



- ws = white
- sw = black
- ro = red
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Battery regulation control unit, High-voltage battery charging connection 1, High-voltage battery charging connection 2



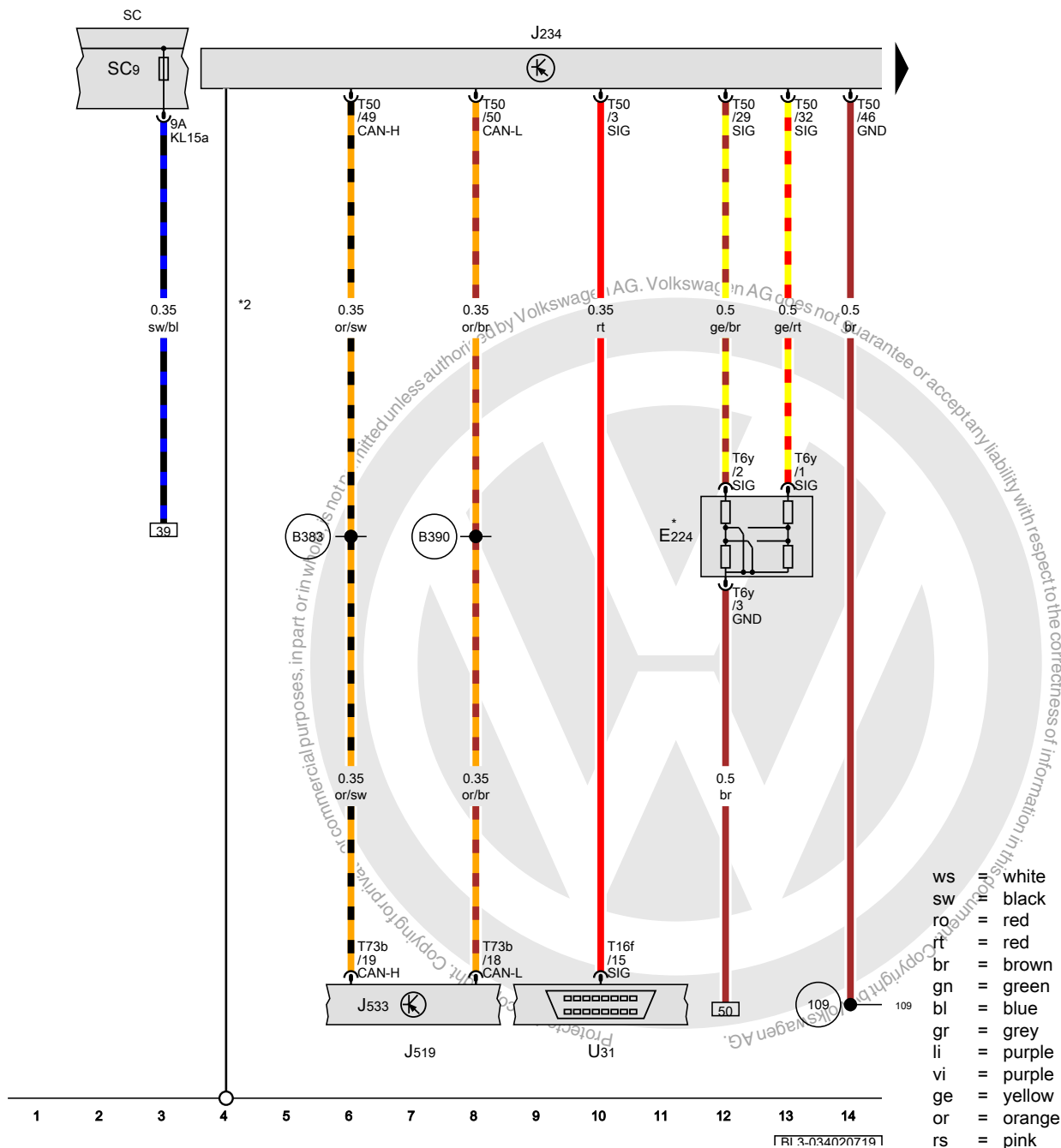
- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- T4x 4-pin connector, orange
- T4z 4-pin connector, orange
- T14c 14-pin connector, black
- T26i 26-pin connector, black
- TMUR Coupling point on engine, bottom right
- U34 High-voltage battery charging connection 1
- U35 High-voltage battery charging connection 2
- \* For models with combined AC and DC charging system
- \*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  
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## Airbag systems , (4UF)

From August 2019



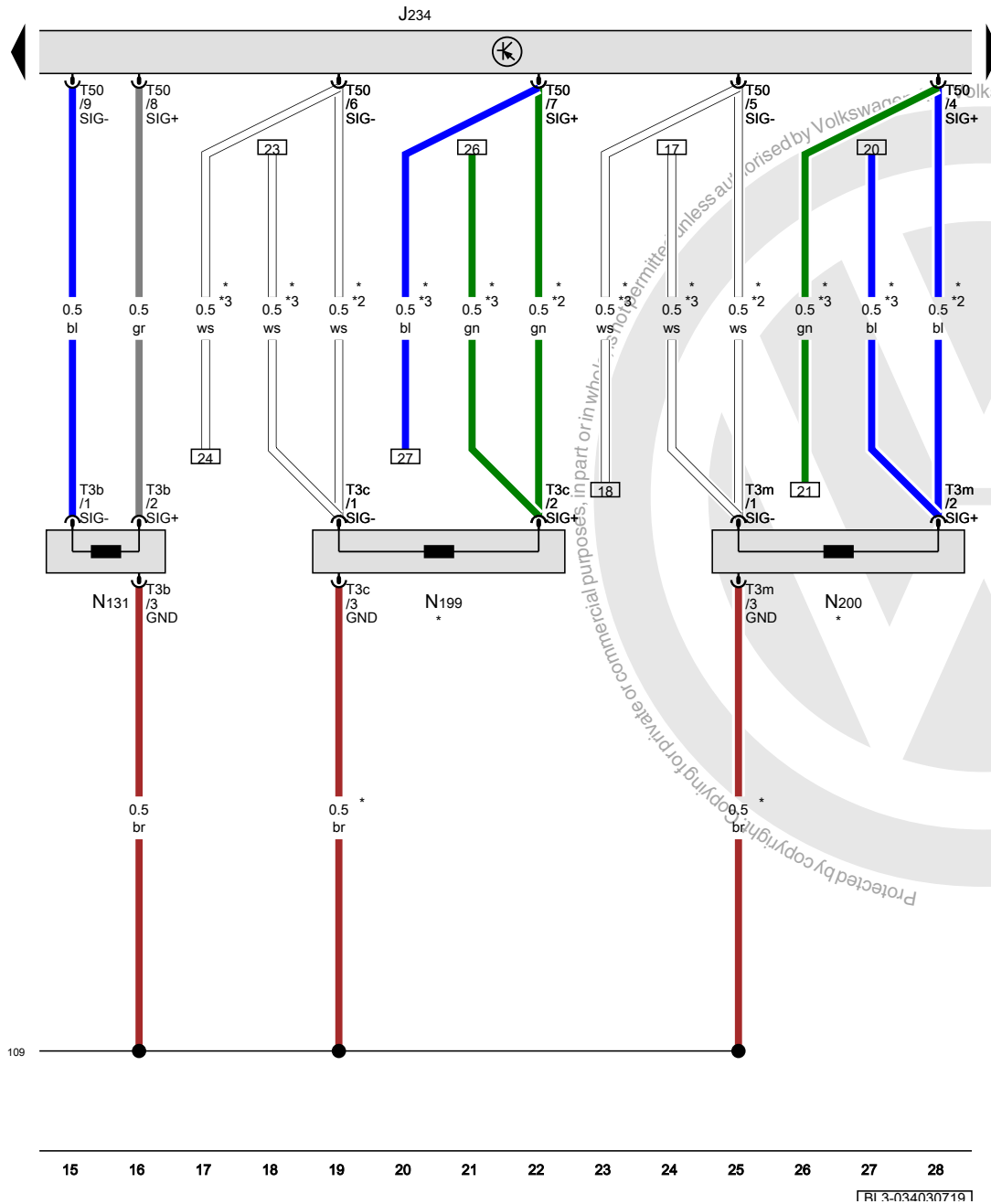


Key operated switch to deactivate airbag on front passenger side, Airbag control unit, Onboard supply control unit, Data bus diagnostic interface, Fuse holder C, Diagnostic connection

- E224 Key operated switch to deactivate airbag on front passenger side
- J234 Airbag control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SC Fuse holder C
- SC9 Fuse 9 on fuse holder C
- T6y 6-pin connector, yellow
- T16f 16-pin connector, black
- T50 50-pin connector, yellow
- T73b 73-pin connector, colourless
- U31 Diagnostic connection

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

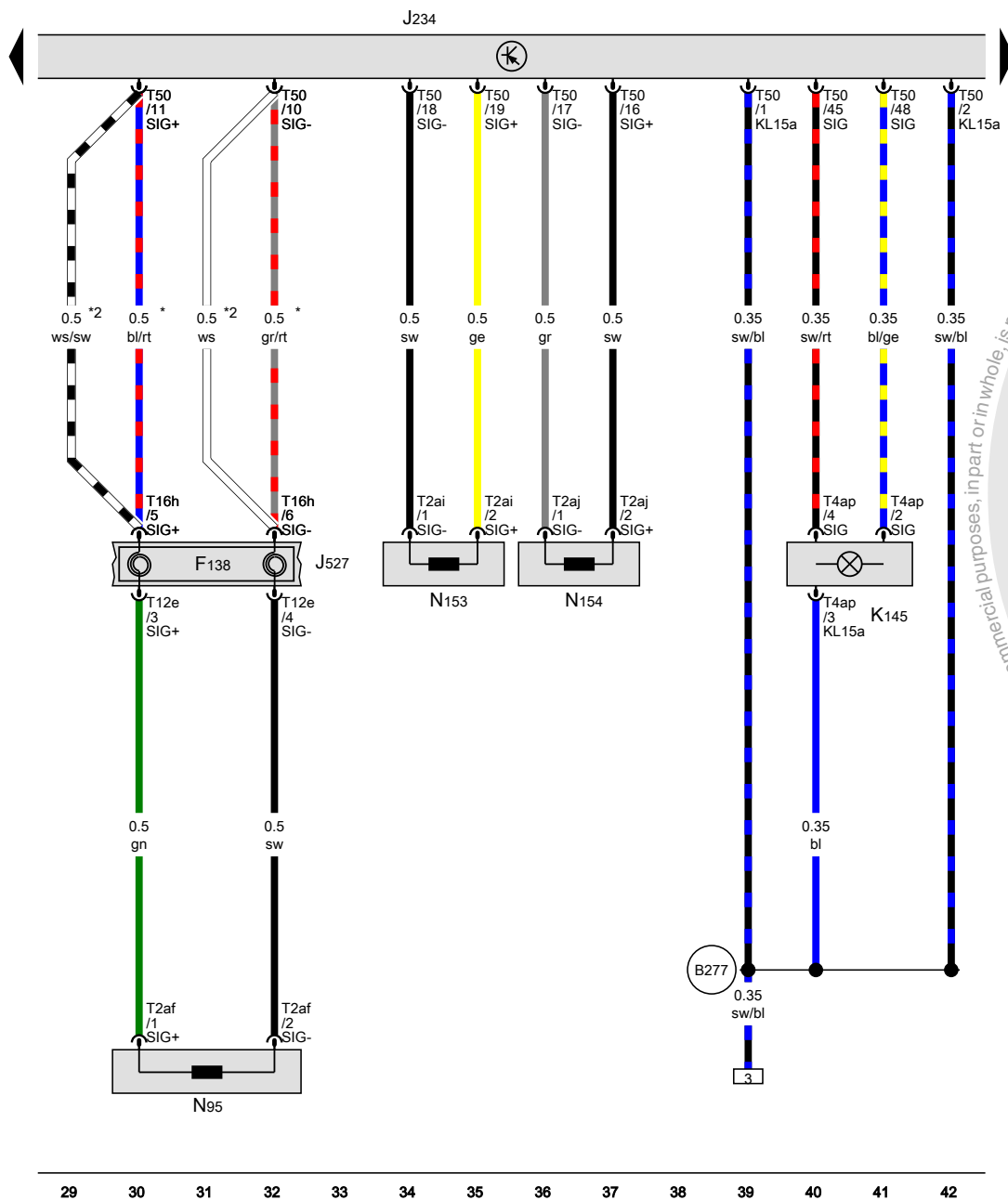
- \* Optional equipment
- \*2 Earth supply via housing



Airbag control unit, Airbag igniter 1 on front passenger side, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- J234 Airbag control unit
- N131 Airbag igniter 1 on front passenger side
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T3b 3-pin connector, yellow
- T3c 3-pin connector, yellow
- T3m 3-pin connector, yellow
- T50 50-pin connector, yellow
- 109 Earth connection, in airbag wiring harness
- \* Optional equipment
- \*2 For left-hand drive models
- \*3 For 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

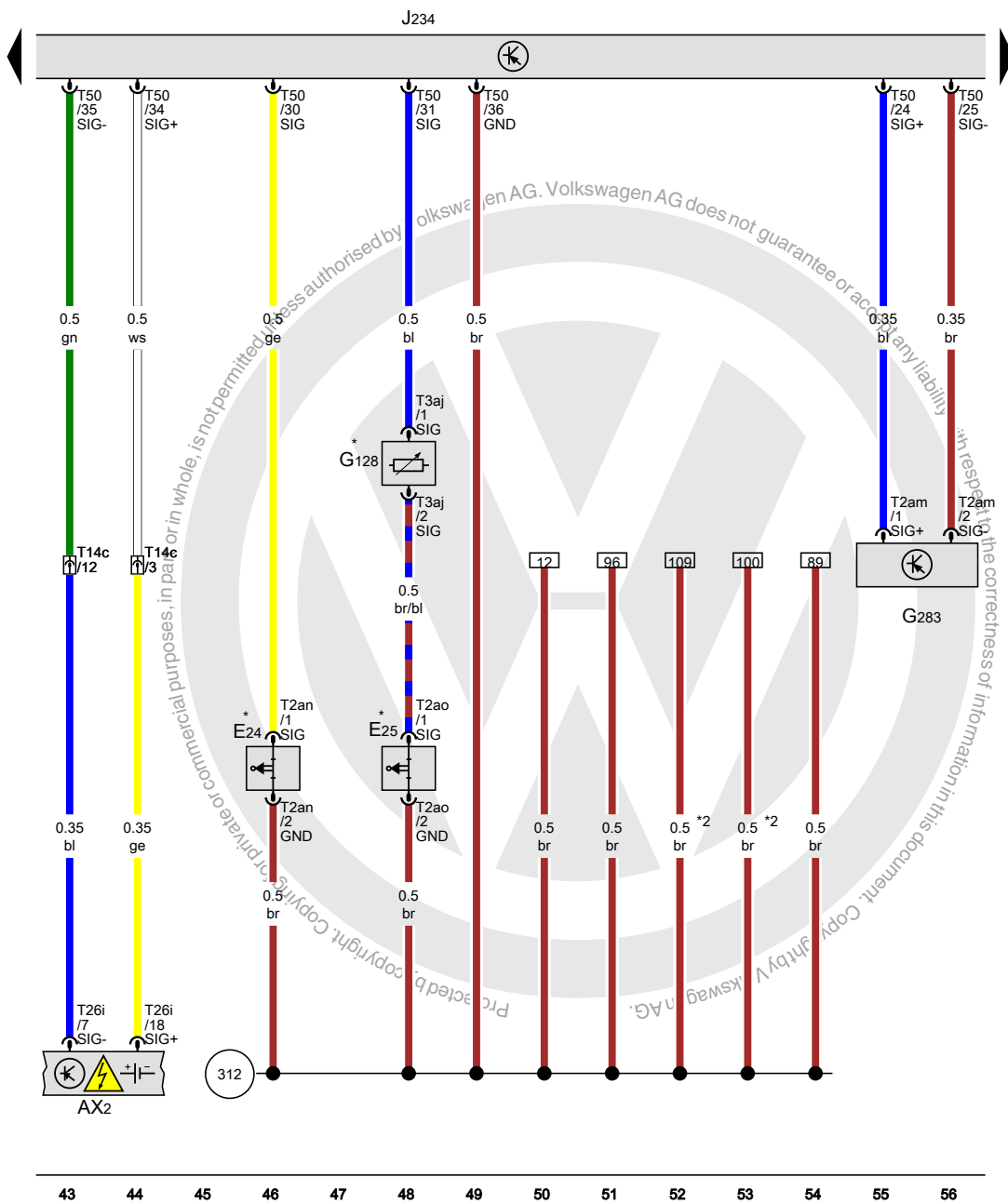


Airbag control unit, Steering column electronics control unit, Warning lamp for airbag deactivated on front passenger side, Airbag igniter on driver side, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1

- F138 Airbag coil connector and return ring with slip ring
- J234 Airbag control unit
- J527 Steering column electronics control unit
- K145 Warning lamp for airbag deactivated on front passenger side
- N95 Airbag igniter on driver side
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter
- T2af 2-pin connector, yellow
- T2ai 2-pin connector, yellow
- T2aj 2-pin connector, yellow
- T4ap 4-pin connector, black
- T12e 12-pin connector, yellow
- T16h 16-pin connector, black
- T50 50-pin connector, yellow
- (B277) Positive connection 1 (15a) in main wiring harness

\* For right-hand drive models  
\*2 For left-hand drive models

ws = white  
sw = black  
ro = red  
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Driver side belt switch, Front passenger side belt switch, Seat occupied sensor on front passenger side, Front airbag crash sensor for driver side, Airbag control unit

- AX2 High-voltage battery 1
- E24 Driver side belt switch
- E25 Front passenger side belt switch
- G128 Seat occupied sensor on front passenger side
- G283 Front airbag crash sensor for driver side, on lock carrier
- J234 Airbag control unit
- T2am 2-pin connector, yellow
- T2an 2-pin connector, black
- T2ao 2-pin connector, black
- T3aj 3-pin connector, black
- T14c 14-pin connector, black
- T26i 26-pin connector, black
- T50 50-pin connector, yellow

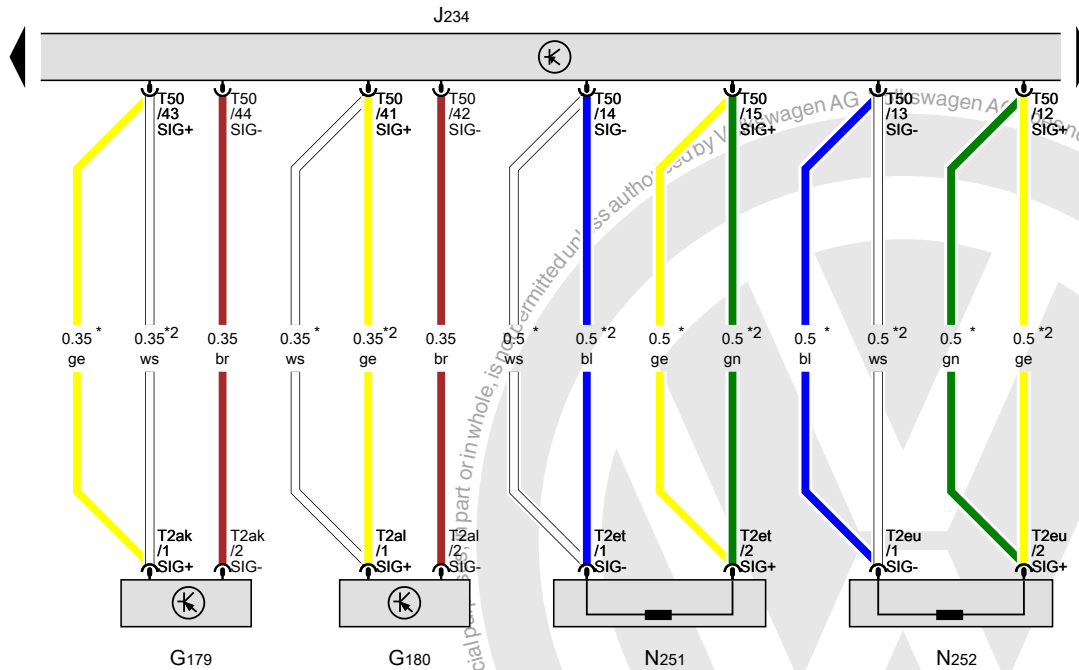
312 Earth connection 2, in airbag wiring harness

\* Pre-wired component

\*2 For models with advanced safety 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

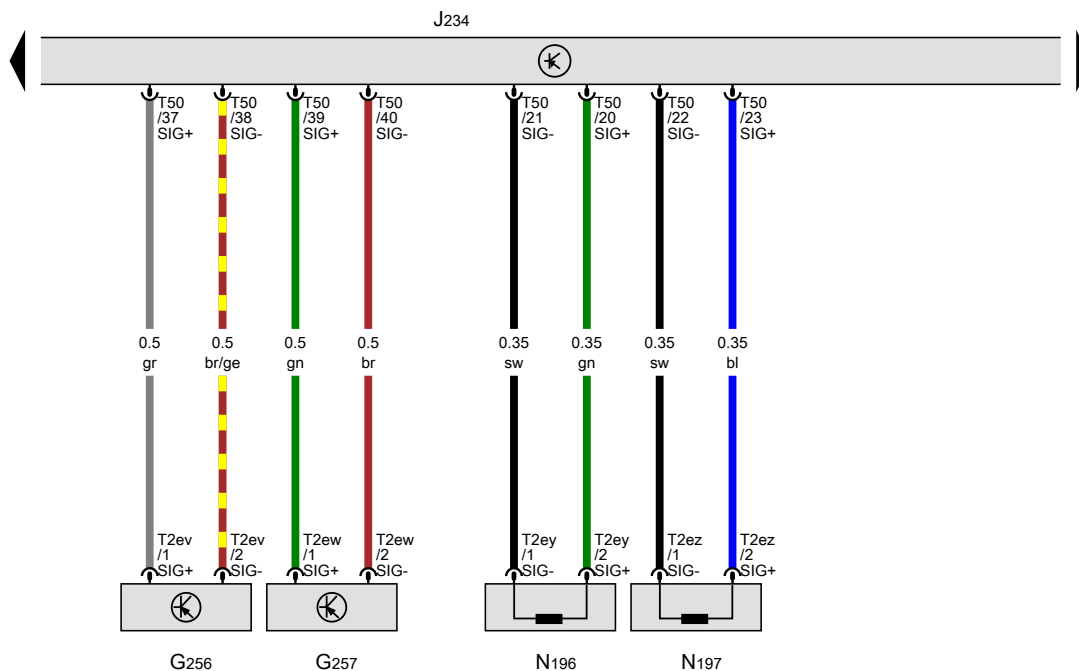




Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit, Driver side curtain airbag igniter, Front passenger side curtain airbag igniter

- G179 Side airbag crash sensor on driver side, in driver door, lower part of B-pillar, driver side
- G180 Side airbag crash sensor on front passenger side, in front passenger door, lower part of B-pillar, front passenger side
- J234 Airbag control unit
- N251 Driver side curtain airbag igniter
- N252 Front passenger side curtain airbag igniter
- T2ak 2-pin connector, yellow
- T2al 2-pin connector, yellow
- T2et 2-pin connector, yellow
- T2eu 2-pin connector, yellow
- T50 50-pin connector, yellow
- \* For left-hand drive models
- \*2 For right-hand drive models

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 bl = blue  
 gr = grey  
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 rs = pink



Rear side airbag crash sensor on driver side, Rear side airbag crash sensor on passenger side, Airbag control unit, Rear belt tensioner igniter on driver side, Rear belt tensioner igniter on passenger side

- G256 Rear side airbag crash sensor on driver side
- G257 Rear side airbag crash sensor on passenger side
- J234 Airbag control unit
- N196 Rear belt tensioner igniter on driver side
- N197 Rear belt tensioner igniter on passenger side
- T2ev 2-pin connector, yellow
- T2ew 2-pin connector, yellow
- T2ey 2-pin connector, yellow
- T2ez 2-pin connector, yellow
- T50 50-pin connector, yellow

- ws = white
- sw = black
- ro = red
- rt = red
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Rear belt switch, driver side, Rear belt switch, passenger side, Airbag control unit

- E258 Rear belt switch, driver side
- E259 Rear belt switch, passenger side
- J234 Airbag control unit
- T2ag 2-pin connector, black
- T2ah 2-pin connector, black
- T50 50-pin connector, yellow

399 Earth connection 34, in main wiring harness

400 Earth connection 35, in main wiring harness

B467 Connection 3, in main wiring harness

B468 Connection 4, in main wiring harness

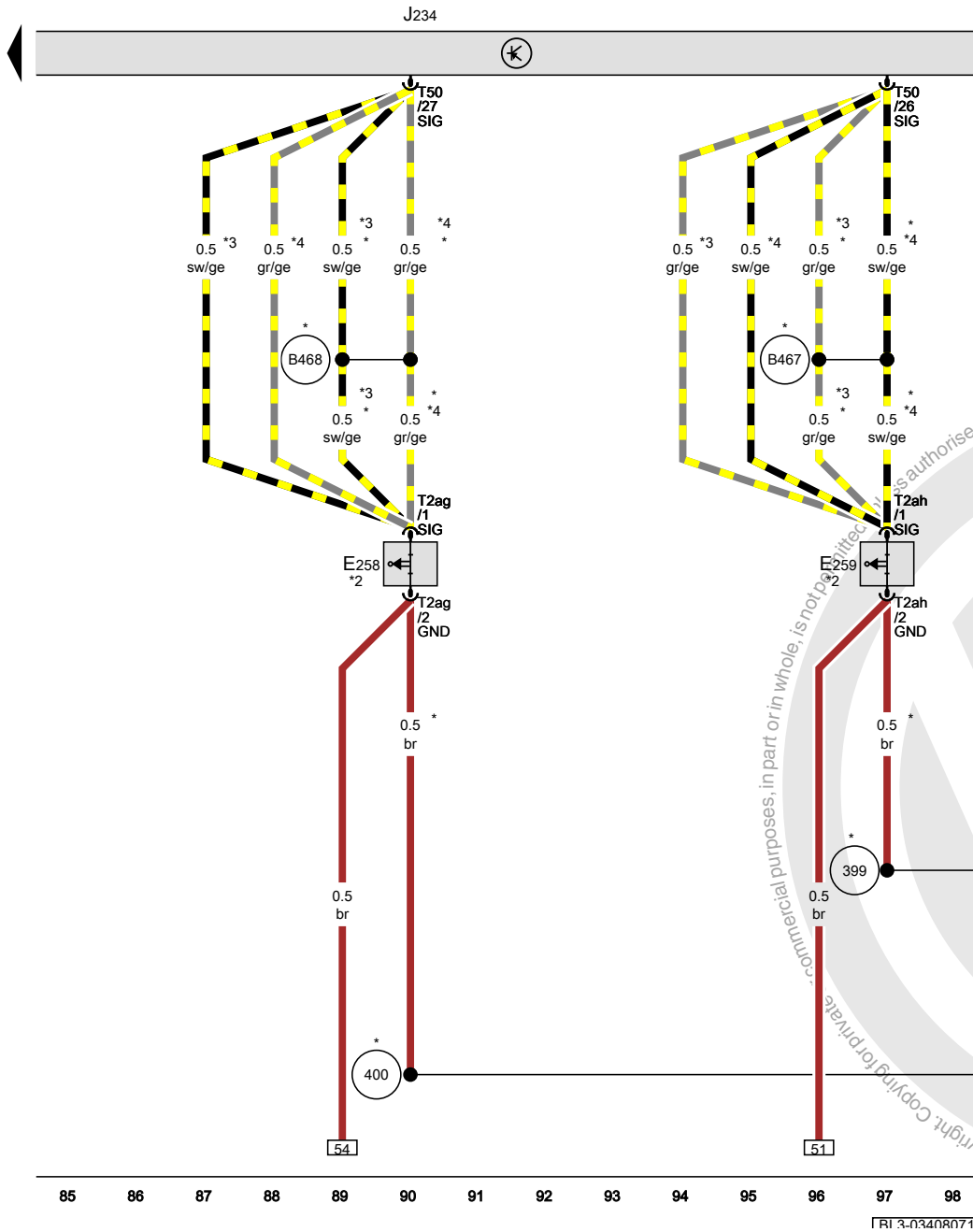
\* For models with advanced safety system

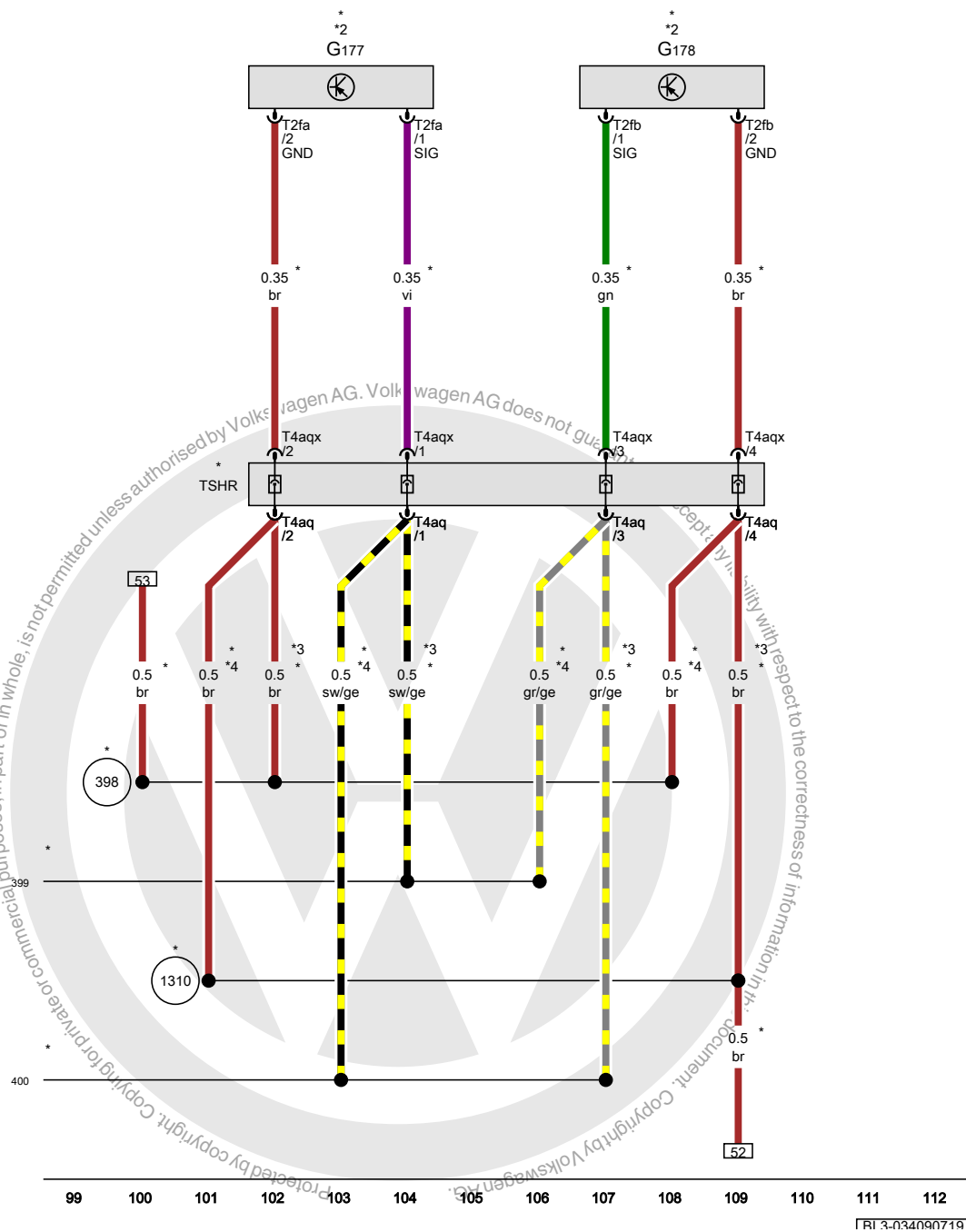
\*2 Pre-wired component

\*3 For left-hand drive models

\*4 For right-hand drive models

- ws = white
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- rt = red
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- bl = blue
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- ge = yellow
- or = orange
- rs = pink





# Rear seat occupied sensor on driver side, Rear seat occupied sensor on passenger side

- G177 Rear seat occupied sensor on driver side
- G178 Rear seat occupied sensor on passenger side
- T2fa 2-pin connector, blue
- T2fb 2-pin connector, blue
- T4aq 4-pin connector, blue
- T4aqx 4-pin connector, blue
- TSHR Coupling point for rear right seat

- 398 Earth connection 33, in main wiring harness
- 399 Earth connection 34, in main wiring harness
- 400 Earth connection 35, in main wiring harness
- 1310 Earth connection 36, in main wiring harness

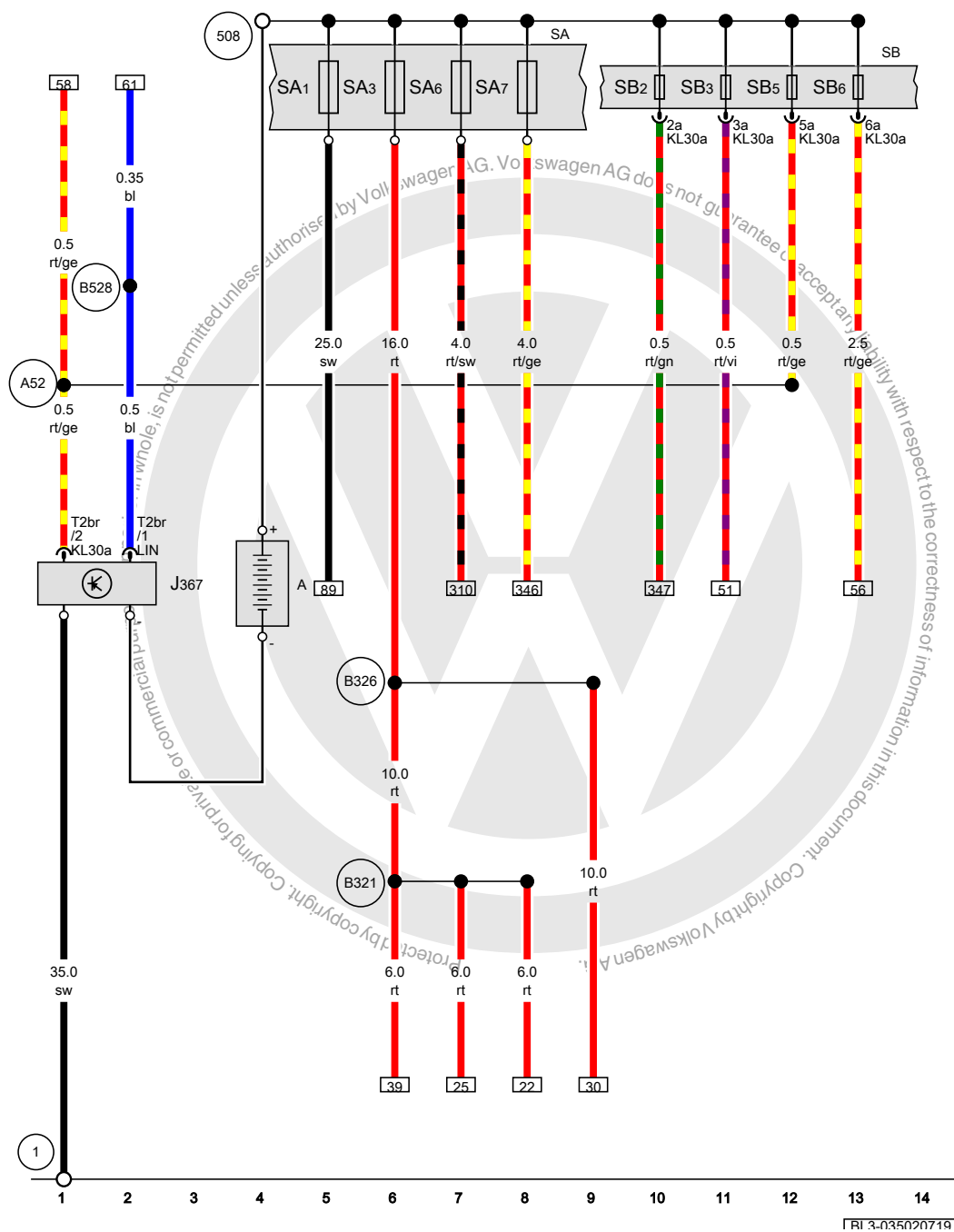
- \* For models with advanced safety system
- \*2 Pre-wired component
- \*3 For right-hand drive models
- \*4 For left-hand drive models

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- ro = red
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
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## Electric drive system , EBMA

From August 2019



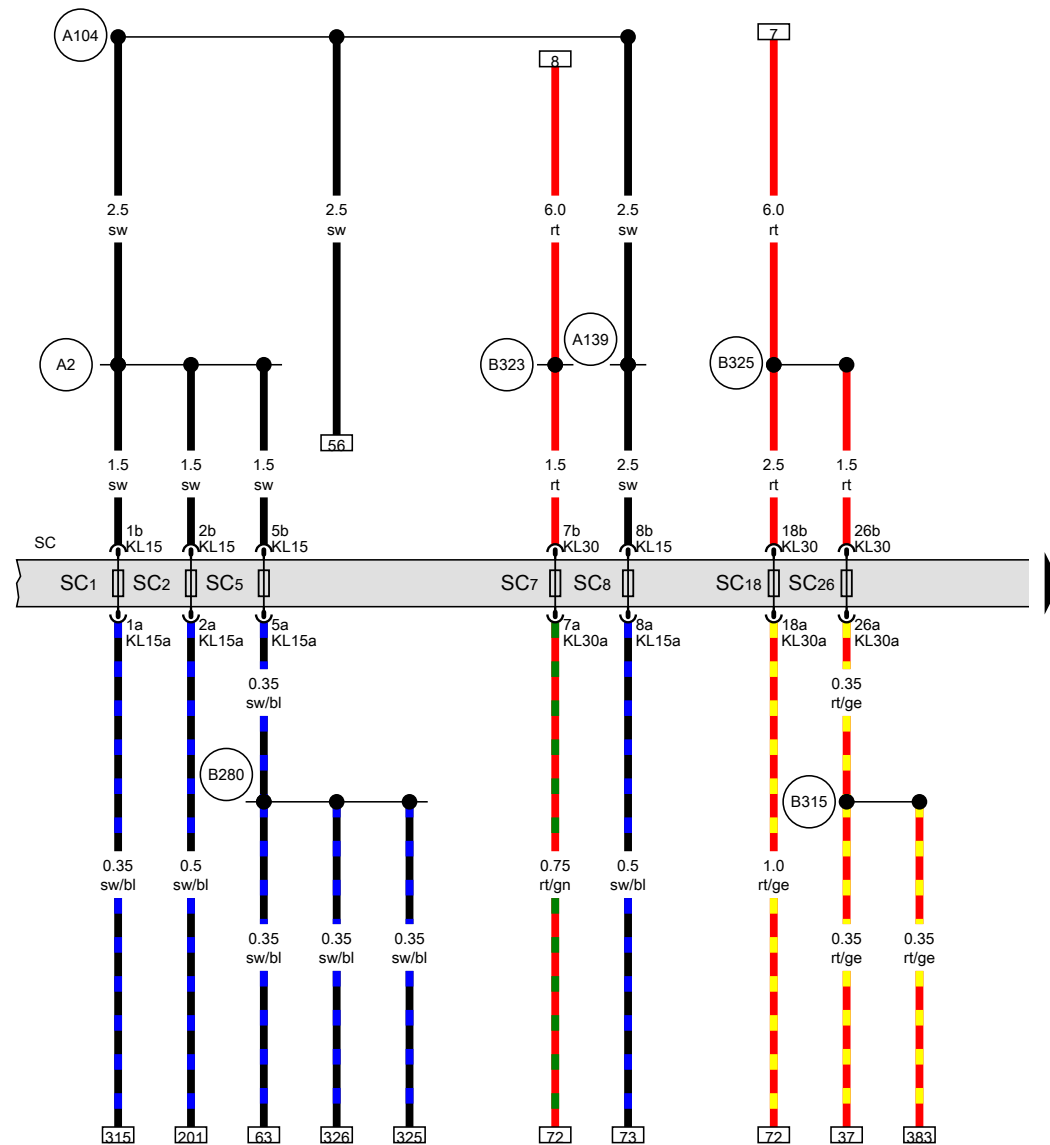


**Battery, Battery monitor control unit, Fuse holder A, Fuse holder B**

A	Battery
J367	Battery monitor control unit
SA	Fuse holder A
SA1	Fuse 1 on fuse holder A
SB	Fuse holder B
SB2	Fuse 2 on fuse holder B
SB3	Fuse 3 on fuse holder B
SA3	Fuse 3 on fuse holder A
SB5	Fuse 5 on fuse holder B
SA6	Fuse 6 on fuse holder A
SB6	Fuse 6 on fuse holder B
SA7	Fuse 7 on fuse holder A
T2br	2-pin connector, black

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A52 Positive connection 2 (30), in dash panel wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B326 Positive connection 12 (30a) in main wiring harness
- B528 Connection 1 (LIN bus) 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



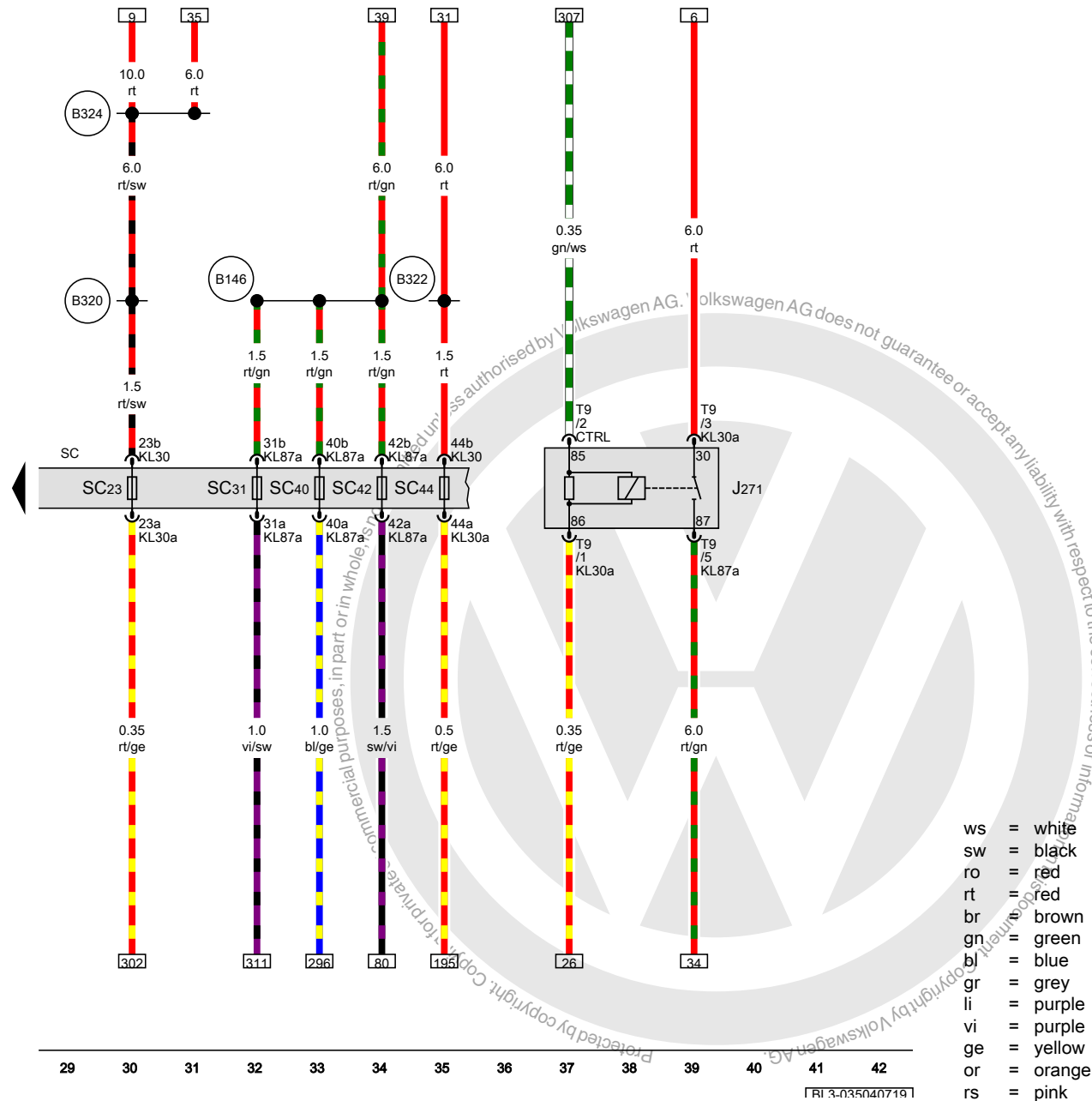
### Fuse holder C

- SC Fuse holder C
- SC1 Fuse 1 on fuse holder C
- SC2 Fuse 2 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- SC7 Fuse 7 on fuse holder C
- SC8 Fuse 8 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC26 Fuse 26 on fuse holder C

- A2 Positive connection (15), in dash panel wiring harness
- A104 Positive connection 2 (15), in dash panel wiring harness
- A139 Connection 3 (15) in dash panel wiring harness
- B280 Positive connection 4 (15a) in main wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B323 Positive connection 9 (30a) in main wiring harness
- B325 Positive connection 11 (30a) 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

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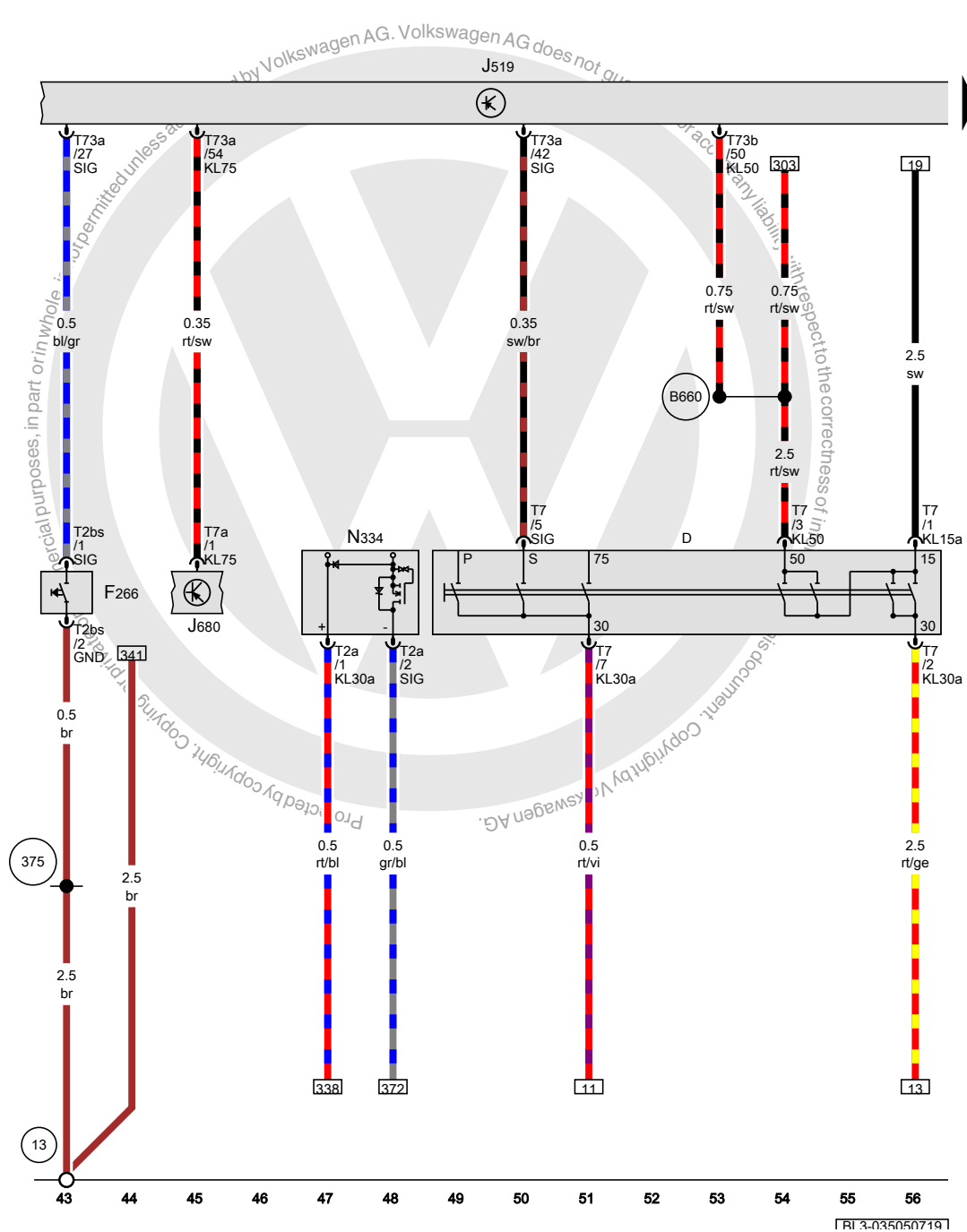


### Main relay, Fuse holder C

- J271 Main relay
- SC Fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T9 9-pin connector, black

- B146 Positive connection 1 (87), in interior wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- B322 Positive connection 8 (30a) in main wiring harness
- B324 Positive connection 10 (30a) in main wiring harness





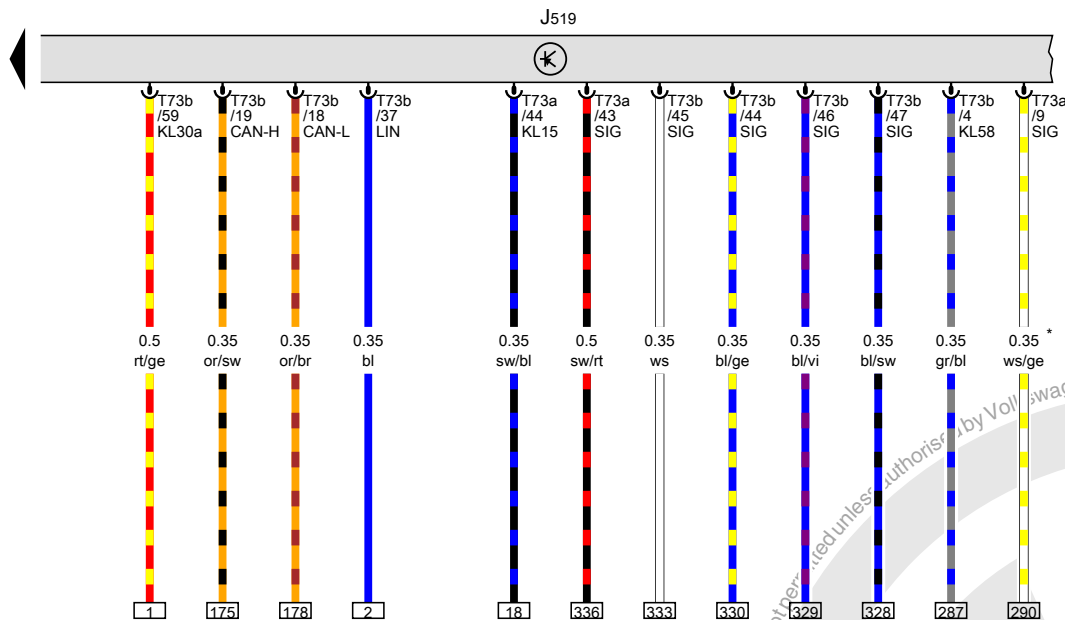
Ignition/starter switch, Bonnet contact switch, Onboard supply control unit, Ignition key withdrawal lock solenoid valve

- D Ignition/starter switch
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- J680 Terminal 75 voltage supply relay 1
- N334 Ignition key withdrawal lock solenoid valve
- T2a 2-pin connector, black
- T2bs 2-pin connector, black
- T7 7-pin connector, black
- T7a 7-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- 13 Earth point, on right in engine compartment
- 375 Earth connection 10, in main wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness

ws = white  
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 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
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 vi = purple  
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Onboard supply control unit

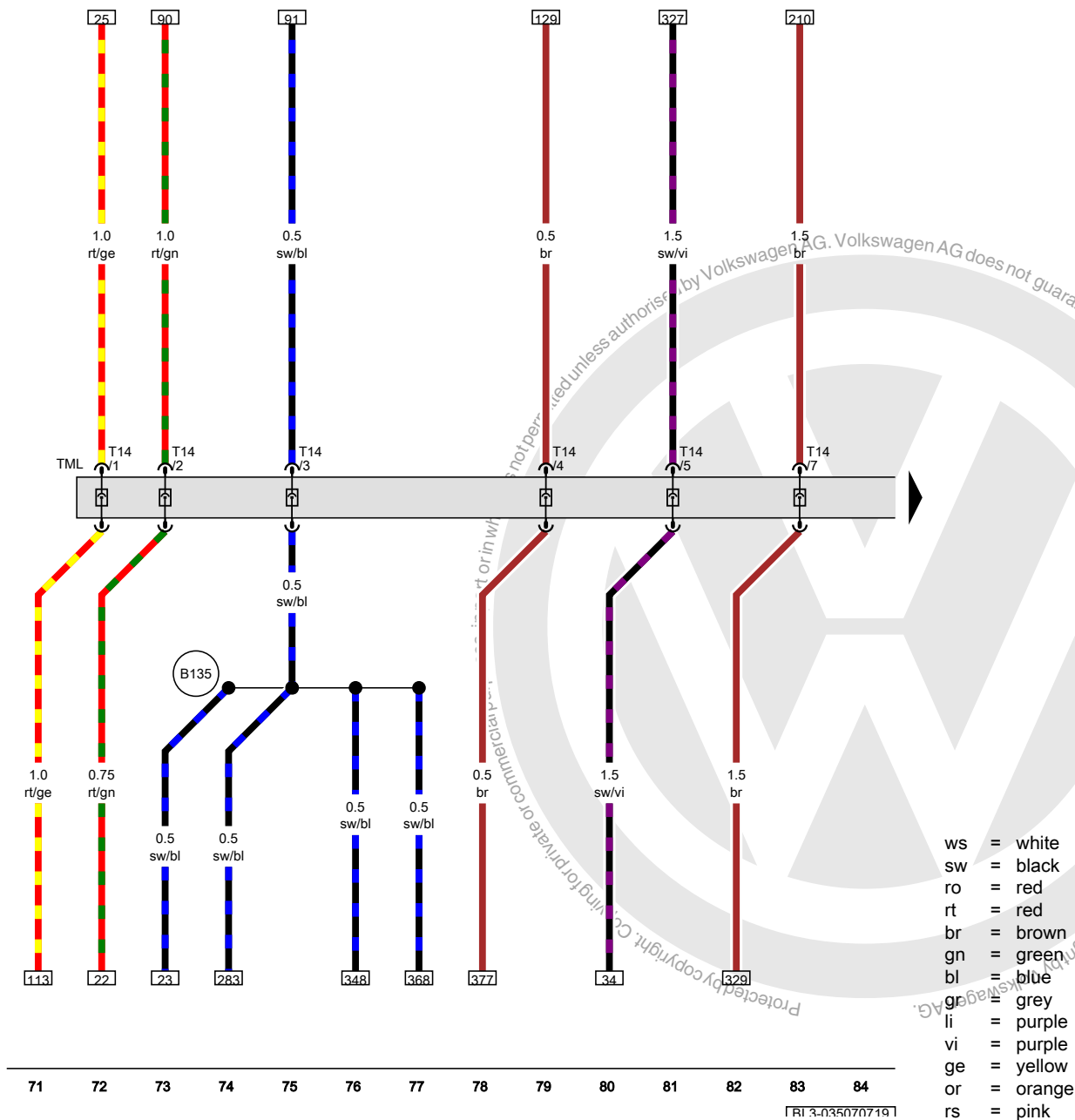
J519 Onboard supply control unit  
 T73a 73-pin connector, black  
 T73b 73-pin connector, colourless  
 \* Optional equipment



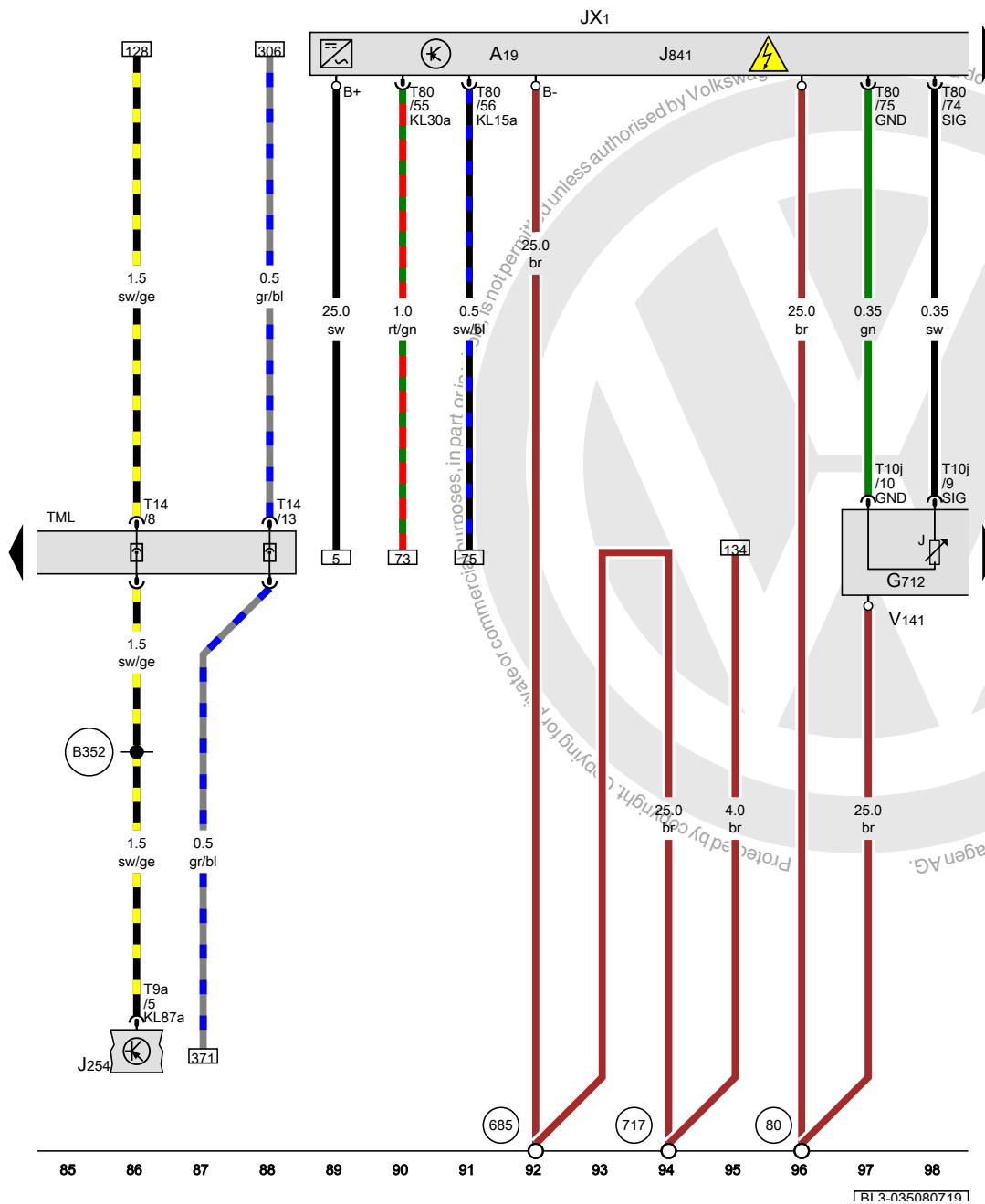
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Coupling point in engine compartment, left

- T14 14-pin connector, black  
 TML Coupling point in engine compartment, left  
 B135 Connection 1 (15a), in interior wiring harness



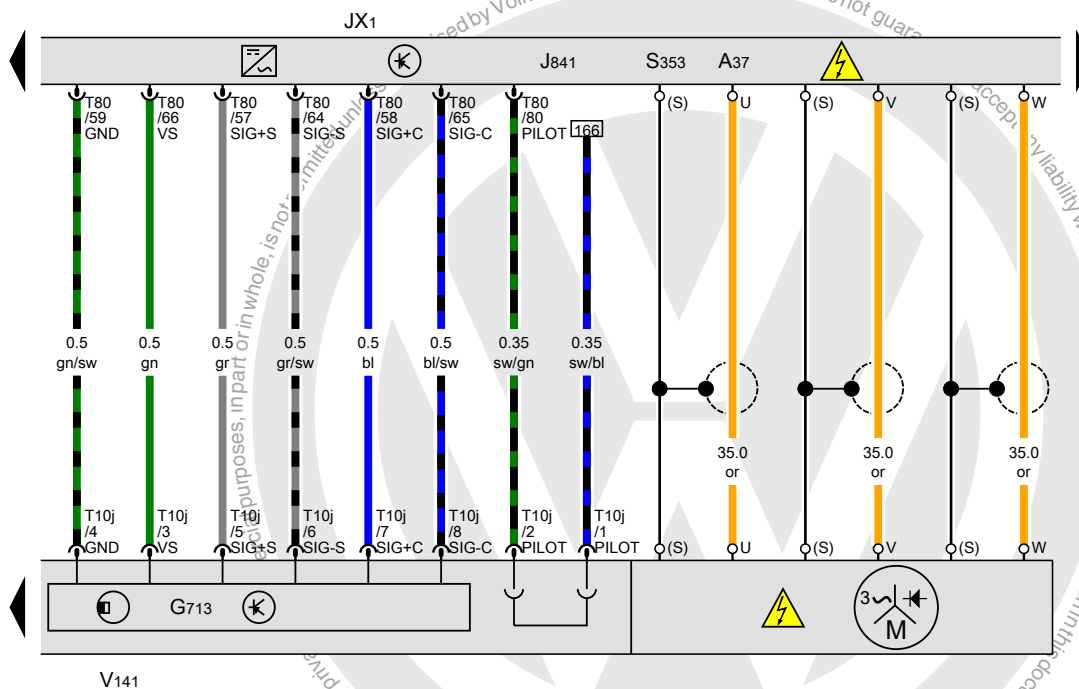
Power and control electronics for electric drive, Electric drive control unit, Coupling point in engine compartment, left, Electric drive motor



- A19 Voltage converter
- G712 Drive motor temperature sender
- JX1 Power and control electronics for electric drive
- J254 Climatronic relay
- J841 Electric drive control unit
- T9a 9-pin connector, black
- T10j 10-pin connector, black
- T14 14-pin connector, black
- T80 80-pin connector, black
- TML Coupling point in engine compartment, left
- V141 Electric drive motor

- 80 Earth point, on centre of front cross member
- 685 Earth point 1, on front of right longitudinal member
- 717 Earth point on front right of cross member
- B352 Positive connection 3 (87a) in main wiring harness

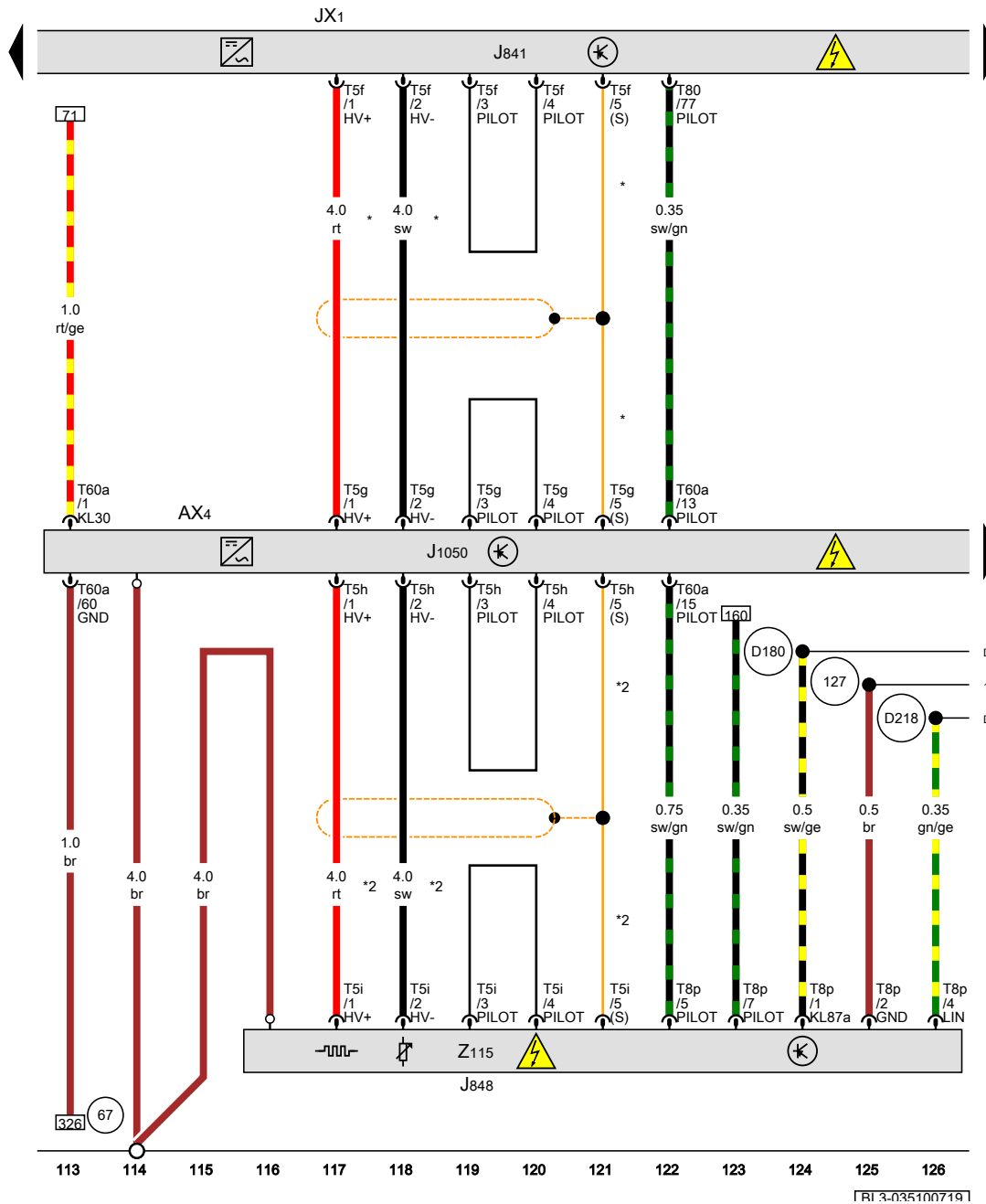
- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Power and control electronics for electric drive, Electric drive control unit, Electric drive motor

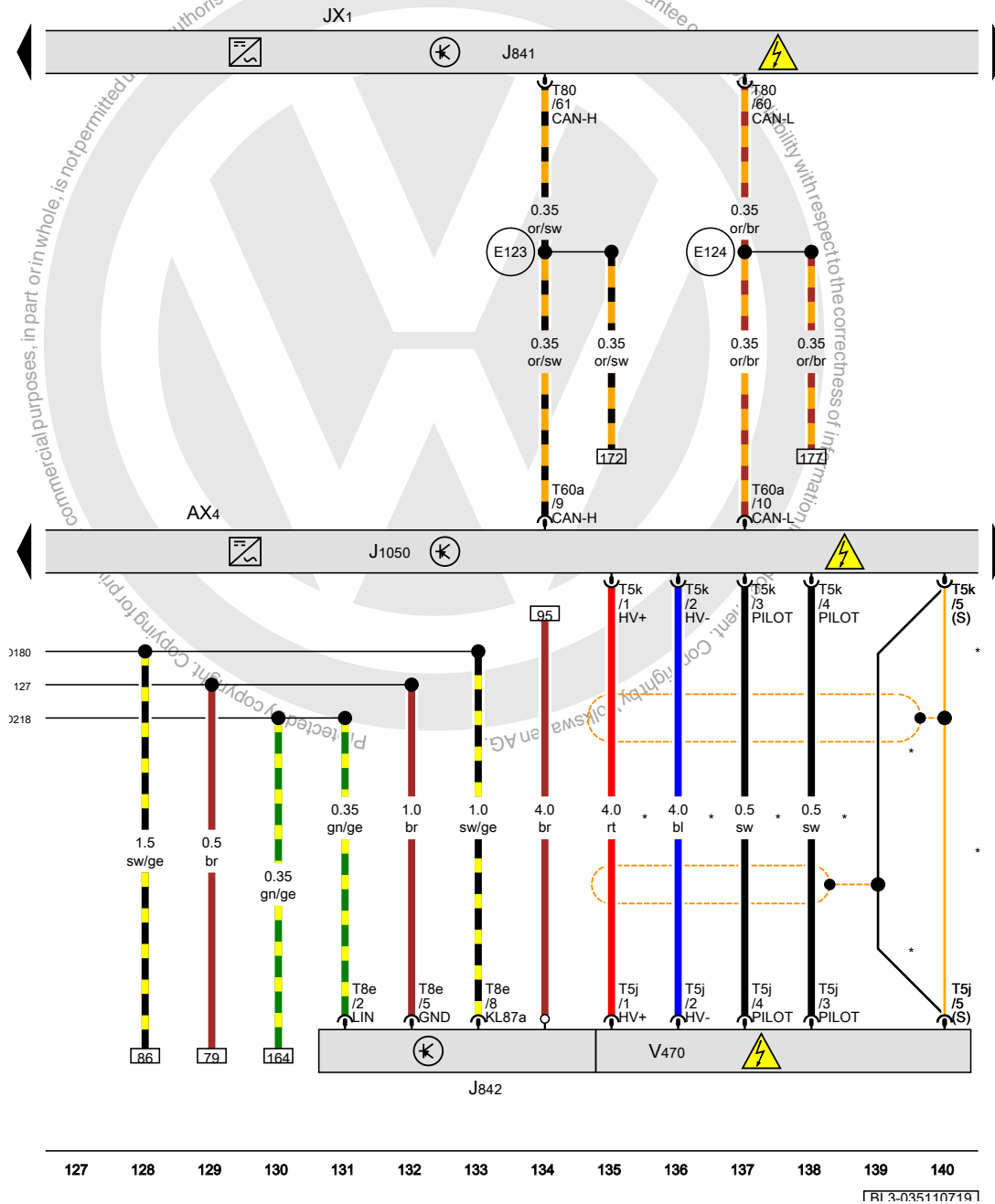
- A37 DC/AC converter for drive motor
- G713 Drive motor rotor position sender 1
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- S353 High-voltage system fuse 3
- T10j 10-pin connector, black
- T80 80-pin connector, black
- V141 Electric drive motor

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



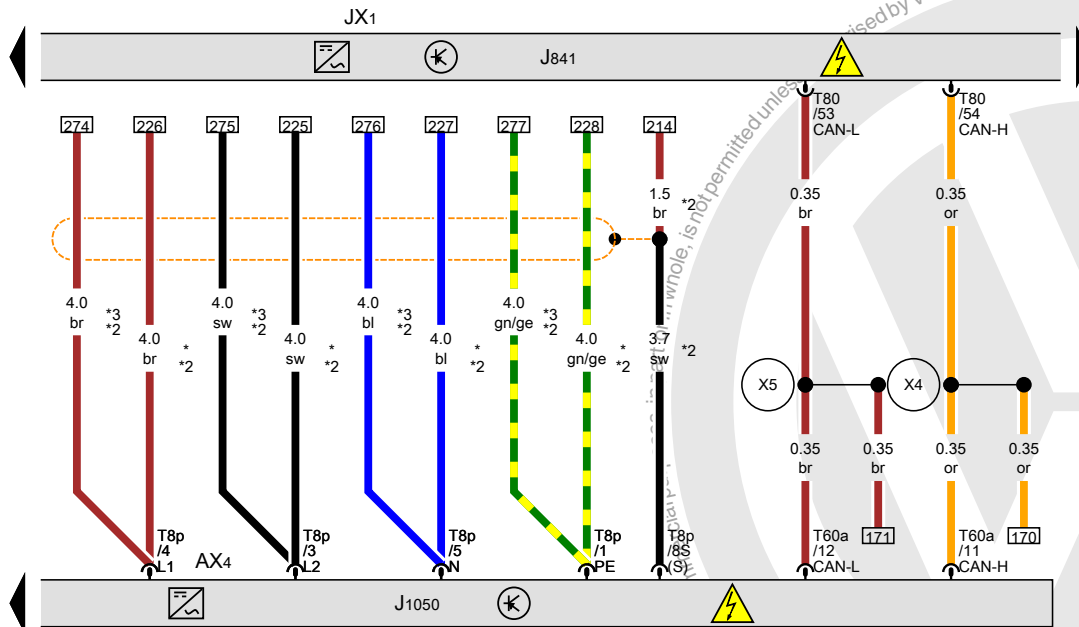
Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, High-voltage heater (PTC) control unit, Control unit for high-voltage battery charging unit

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- J848 High-voltage heater (PTC) control unit
- J1050 Control unit for high-voltage battery charging unit
- T5f 5-pin connector, orange
- T5g 5-pin connector, orange
- T5h 5-pin connector, orange
- T5i 5-pin connector, orange
- T8p 8-pin connector, black
- T60a 60-pin connector, black
- T80 80-pin connector, black
- Z115 High-voltage heater (PTC)
- 67 Earth point, on left of front cross member
- 127 Earth connection 1, in air conditioning system compressor wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- \* High-voltage wire for charging unit 1/wiring junction (P12)
- \*2 High-voltage wire for high-voltage heater (PTC) (P11)



Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, Control unit for air conditioning compressor, Control unit for high-voltage battery charging unit, Electrical air conditioner compressor

- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- J842 Control unit for air conditioning compressor
- J1050 Control unit for high-voltage battery charging unit
- T5j 5-pin connector, orange
- T5k 5-pin connector, orange
- T8e 8-pin connector, black
- T60a 60-pin connector, black
- T80 80-pin connector, black
- V470 Electrical air conditioner compressor
- 127 Earth connection 1, in air conditioning system compressor wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D218 Connection 1 (LIN bus) in engine compartment wiring harness
- E123 Connection 1 (powertrain CAN bus, high), in engine wiring harness
- E124 Connection 1 (powertrain CAN bus, low), in engine wiring harness
- \* High-voltage wire for electrical air conditioner compressor (P3)



**Charging unit 1 for high-voltage battery, Power and control electronics for electric drive, Electric drive control unit, Control unit for high-voltage battery charging unit**

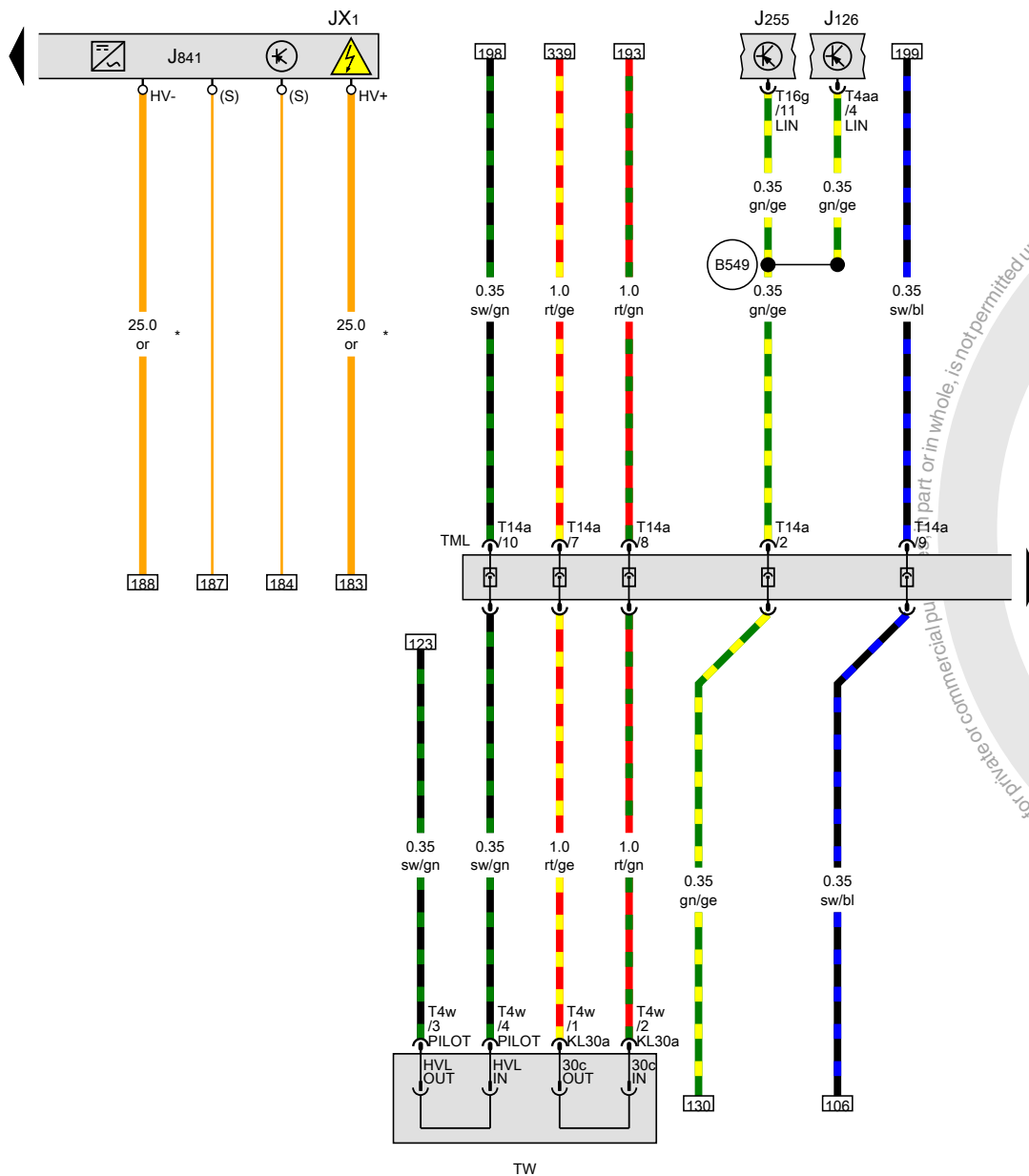
- AX4 Charging unit 1 for high-voltage battery
- JX1 Power and control electronics for electric drive
- J841 Electric drive control unit
- J1050 Control unit for high-voltage battery charging unit
- T8p 8-pin connector, orange
- T60a 60-pin connector, black
- T80 80-pin connector, black
- X4 Connection 1 (CAN bus hybrid, high), in engine compartment wiring harness
- X5 Connection 1 (CAN bus hybrid, low), in engine compartment wiring harness
- \* For models with AC/DC charging socket
- \*2 High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket (P18)
- \*3 For models with AC charging socket

ws = white  
 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

181 3-035120719





Power and control electronics for electric drive, Electric drive control unit, Coupling point in engine compartment, left, Maintenance connector for high-voltage system

- JX1 Power and control electronics for electric drive
- J126 Fresh air blower control unit
- J255 Climatronic control unit
- J841 Electric drive control unit
- T4aa 4-pin connector, black
- T4w 4-pin connector, green
- T14a 14-pin connector, brown
- T16g 16-pin connector, black
- TML Coupling point in engine compartment, left
- TW Maintenance connector for high-voltage system

B549 Connection 2 (LIN bus) in main wiring harness

\* High-voltage wiring harness for high-voltage battery (PX1)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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155 156 157 158 159 160 161 162 163 164 165 166 167 168

[13-035130719]

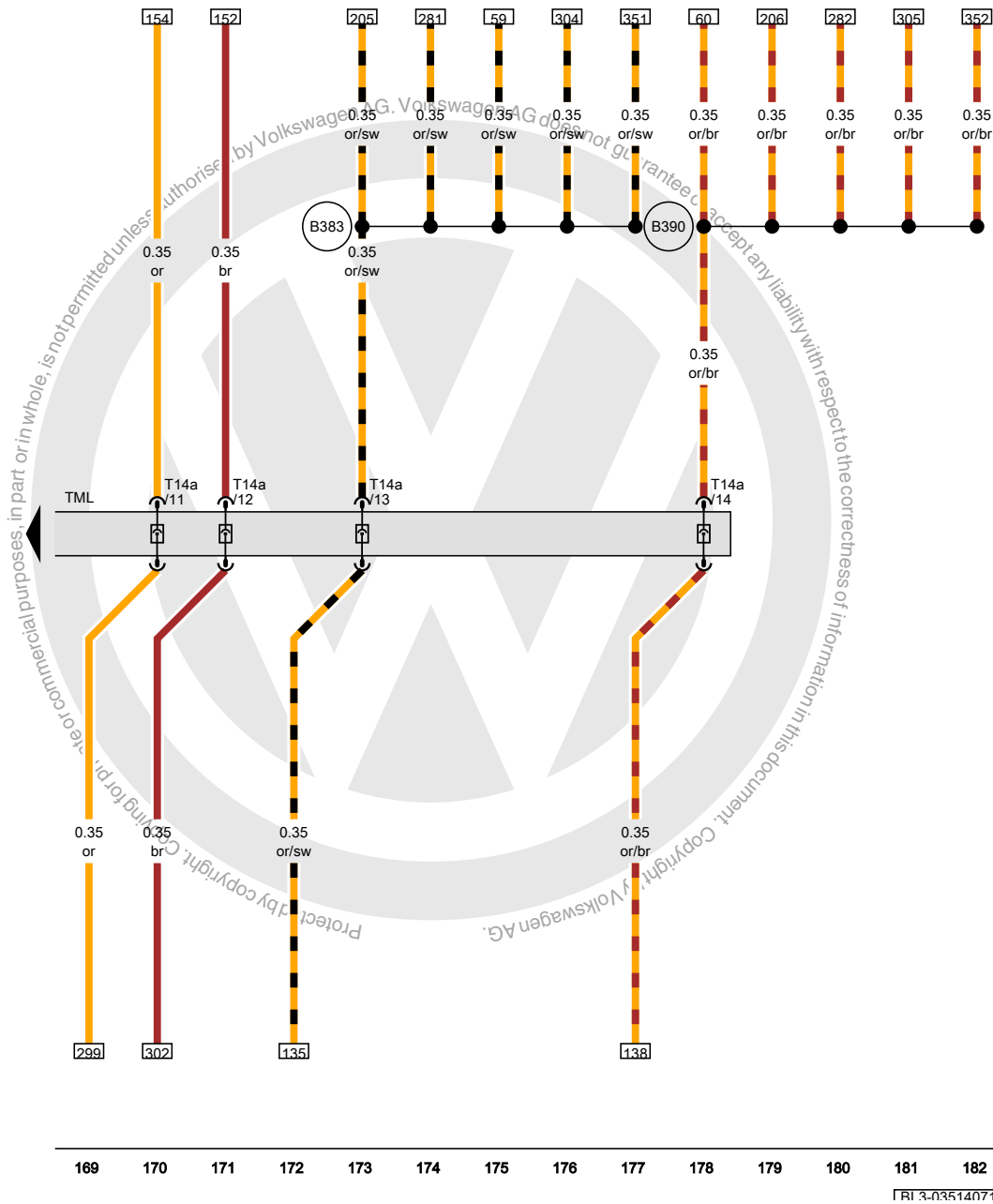
Coupling point in engine compartment, left

T14a 14-pin connector, brown

TML Coupling point in engine compartment, left

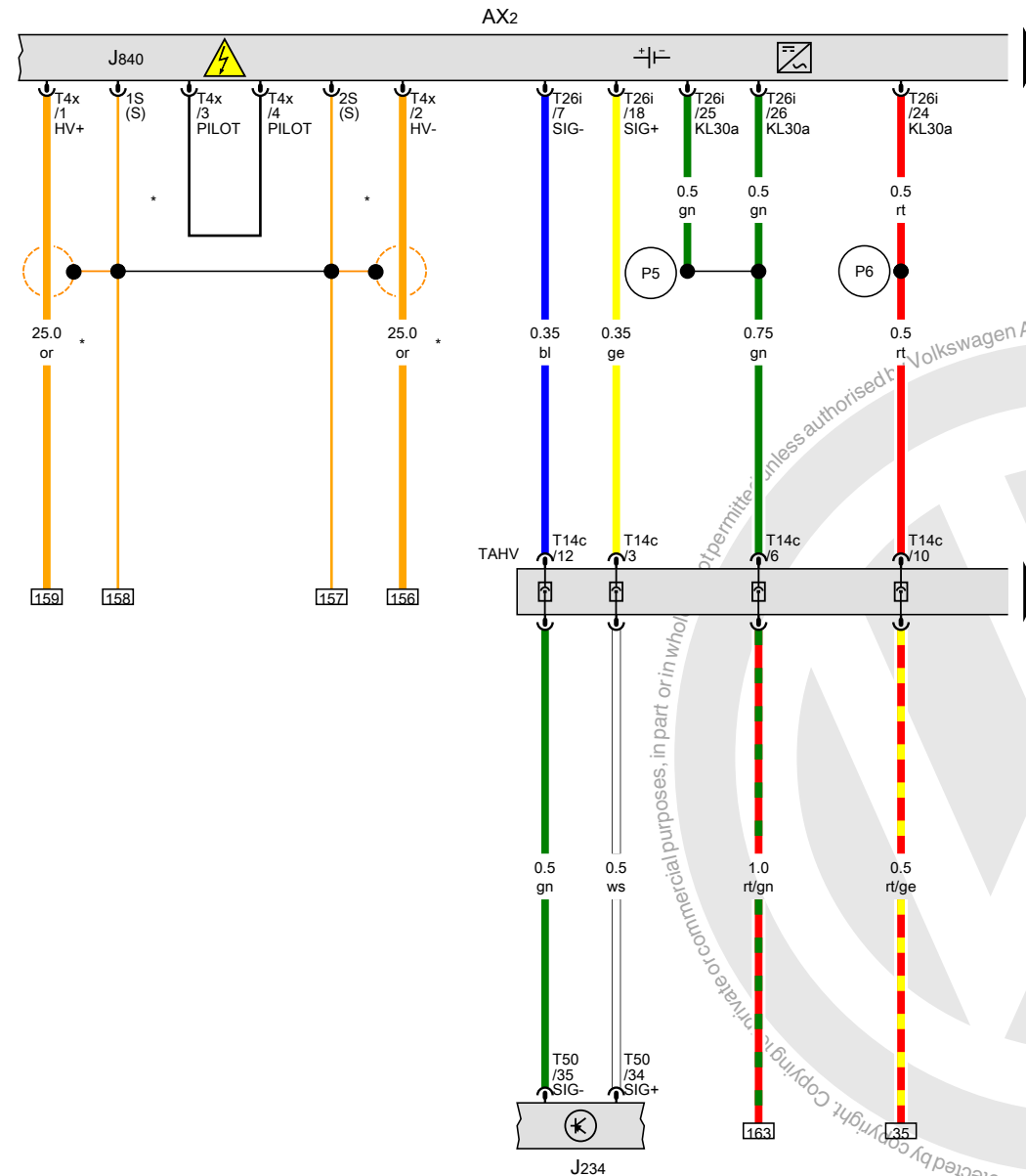
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

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

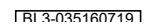


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# High-voltage battery 1, Battery regulation control unit

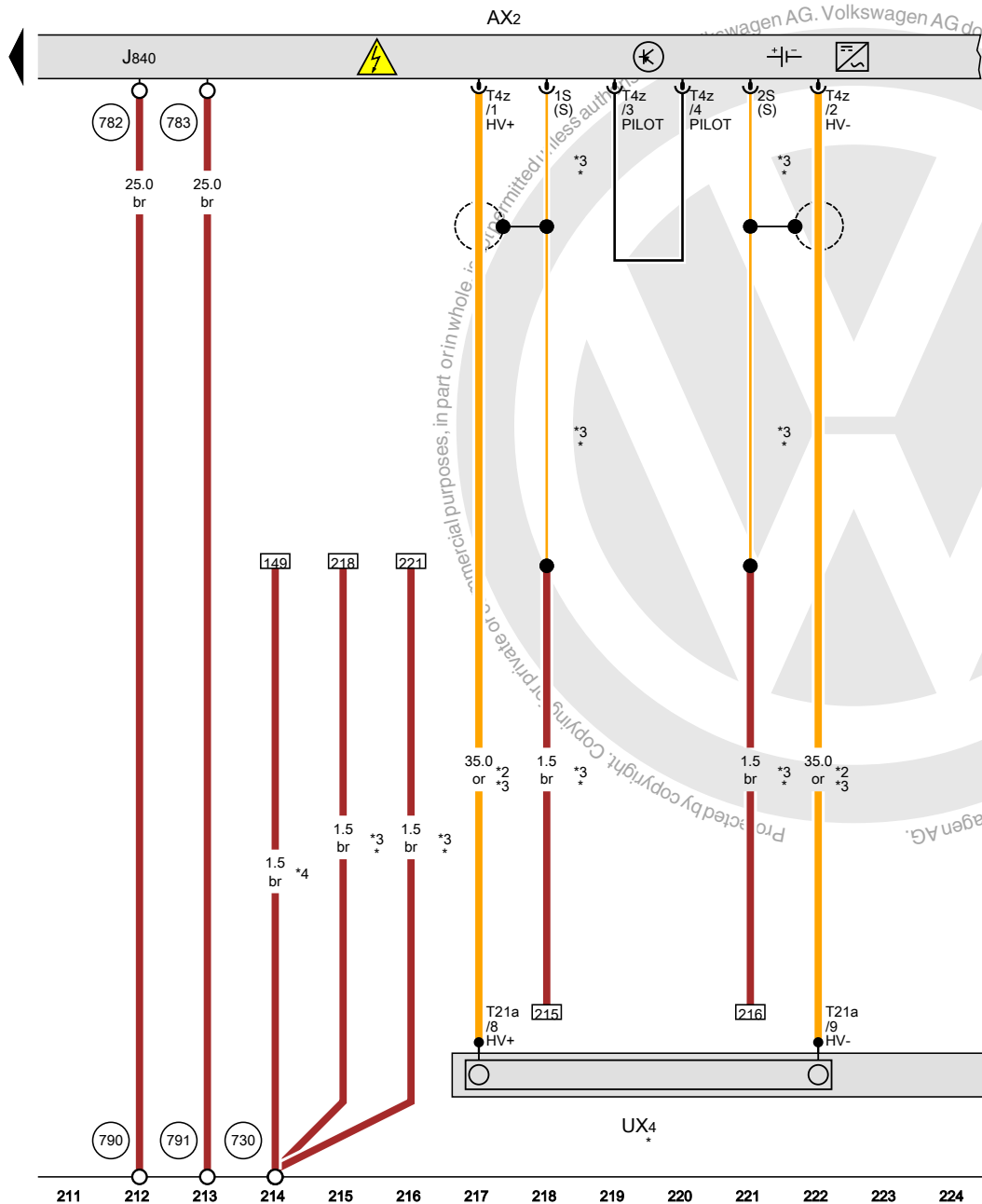


- AX2 High-voltage battery 1
- J234 Airbag control unit
- J840 Battery regulation control unit
- T4x 4-pin connector, black
- T14c 14-pin connector, black
- T26i 26-pin connector, black
- T50 50-pin connector, yellow
- TAHV Coupling point on high-voltage battery
- P5 Positive connection 1, in high-voltage battery wiring harness
- P6 Positive connection 2, in high-voltage battery wiring harness
- \* High-voltage wiring harness for high-voltage battery (PX1)



AX2	High-voltage battery 1
J840	Battery regulation control unit
T14c	14-pin connector, black
T26i	26-pin connector, black
TAHV	Coupling point on high-voltage battery
387	Earth connection 22, in main wiring harness
389	Earth connection 24, in main wiring harness
671	Earth point 1, on front of left longitudinal member
859	Earth connection 1, in high-voltage battery wiring harness
860	Earth connection 2, in high-voltage battery wiring harness
B281	Positive connection 5 (15a) in main wiring harness

- 07.2019



# High-voltage battery 1, Battery regulation control unit, High-voltage battery charging socket 1

- AX2 High-voltage battery 1
- J840 Battery regulation control unit
- T4z 4-pin connector, black
- T21a 21-pin connector
- UX4 High-voltage battery charging socket 1

- 730 Earth point 1, on right rear wheel housing
- 782 Earth point 1, on high-voltage battery
- 783 Earth point 2, on high-voltage battery
- 790 Earth point on front left of underbody
- 791 Earth point, on rear right of underbody

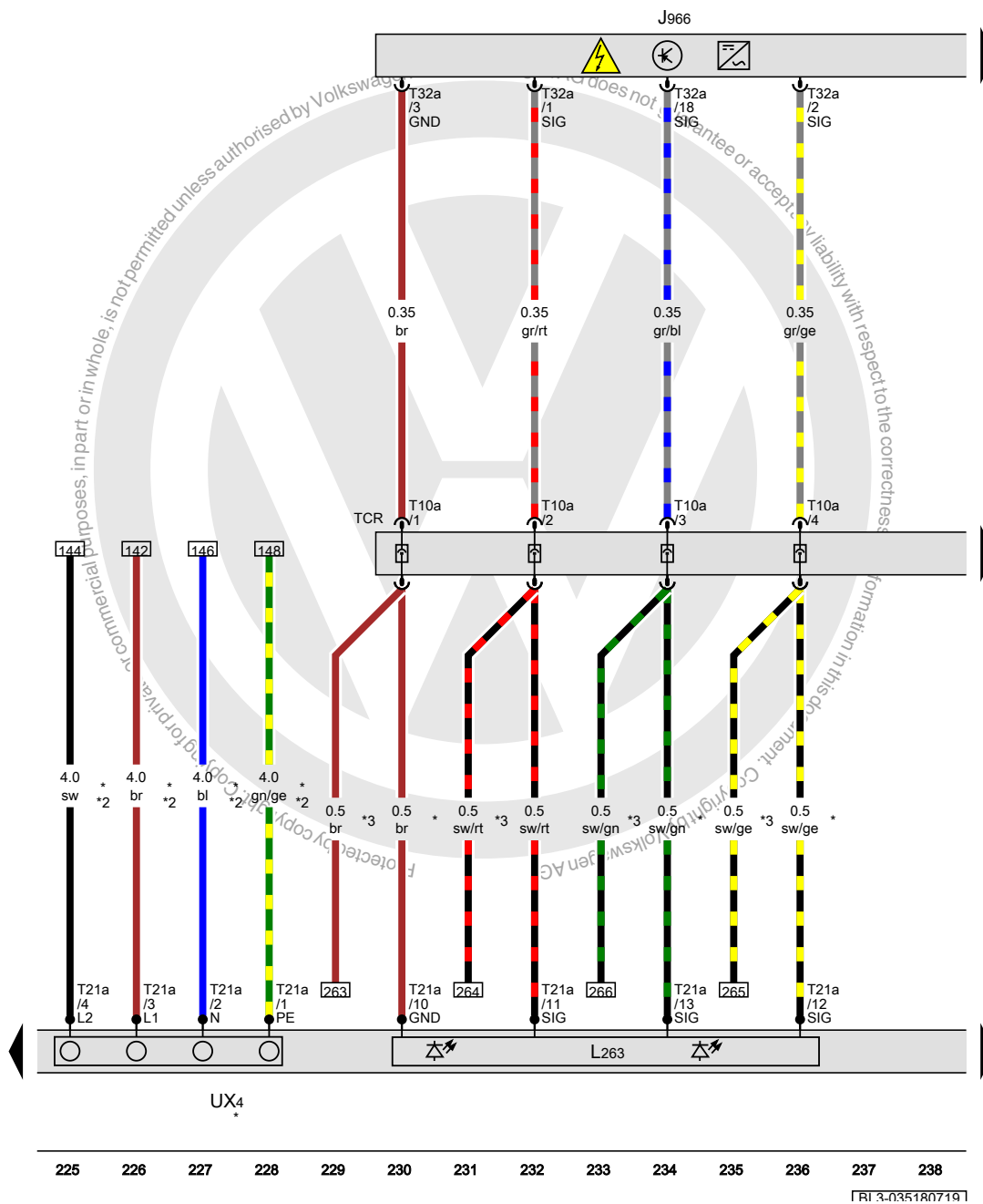
- \* For models with AC/DC charging socket
- \*2 For models with combined AC and DC charging system
- \*3 High-voltage wire for high-voltage battery charging (P52)
- \*4 High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket (P18)

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

1913-0351707191

Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

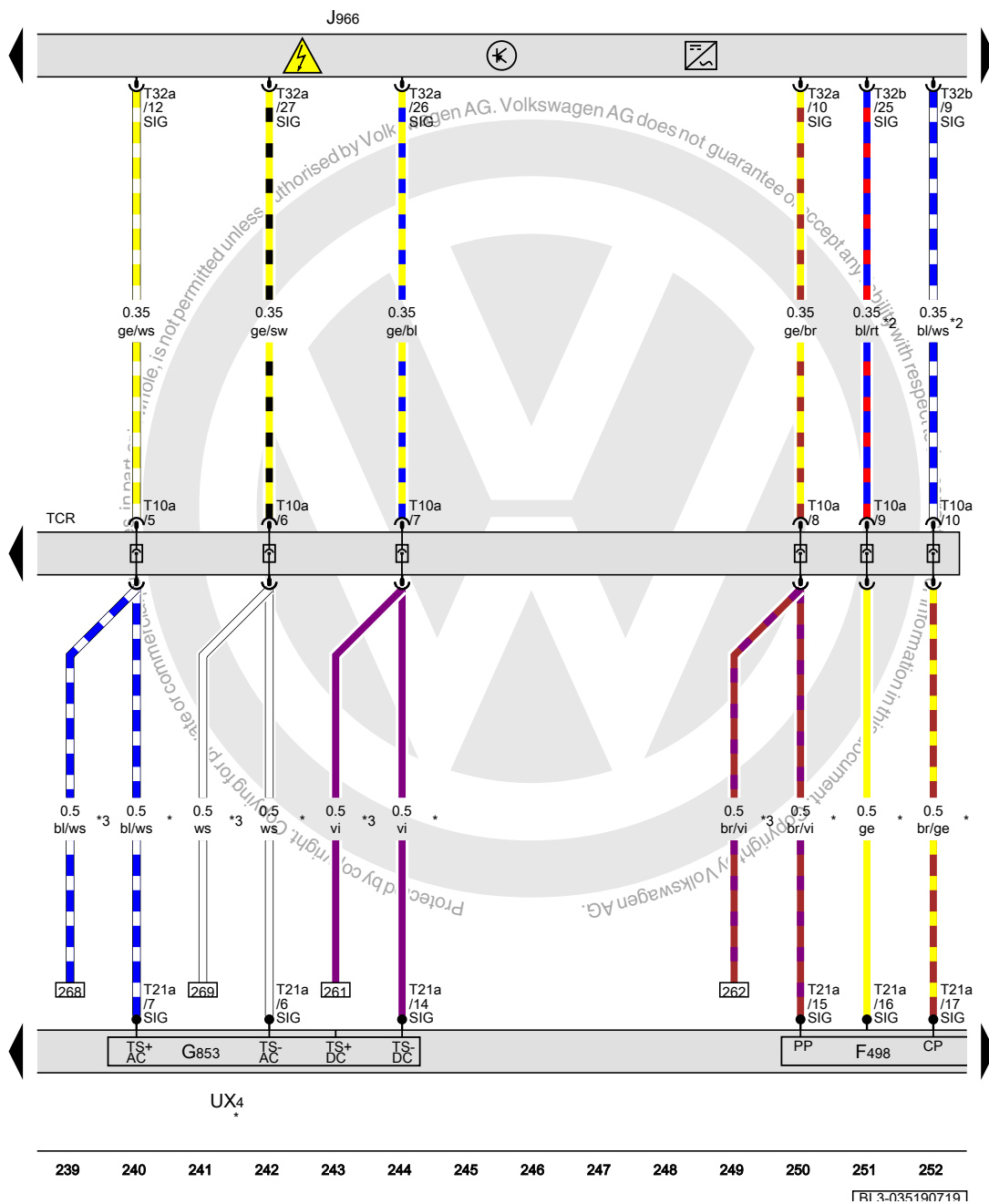
- J966 Charge voltage control unit for high-voltage battery
- L263 LED module for charging socket 1
- T10a 10-pin connector, black
- T21a 21-pin connector
- T32a 32-pin connector, grey
- TCR Coupling point on right C-pillar
- UX4 High-voltage battery charging socket 1
- \* For models with AC/DC charging socket
- \*2 High-voltage wire 1 for high-voltage charge current distributor/ high-voltage charging socket (P18)
- \*3 For models with AC charging socket



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

Charge voltage control unit for high-voltage battery, High-voltage battery charging socket 1

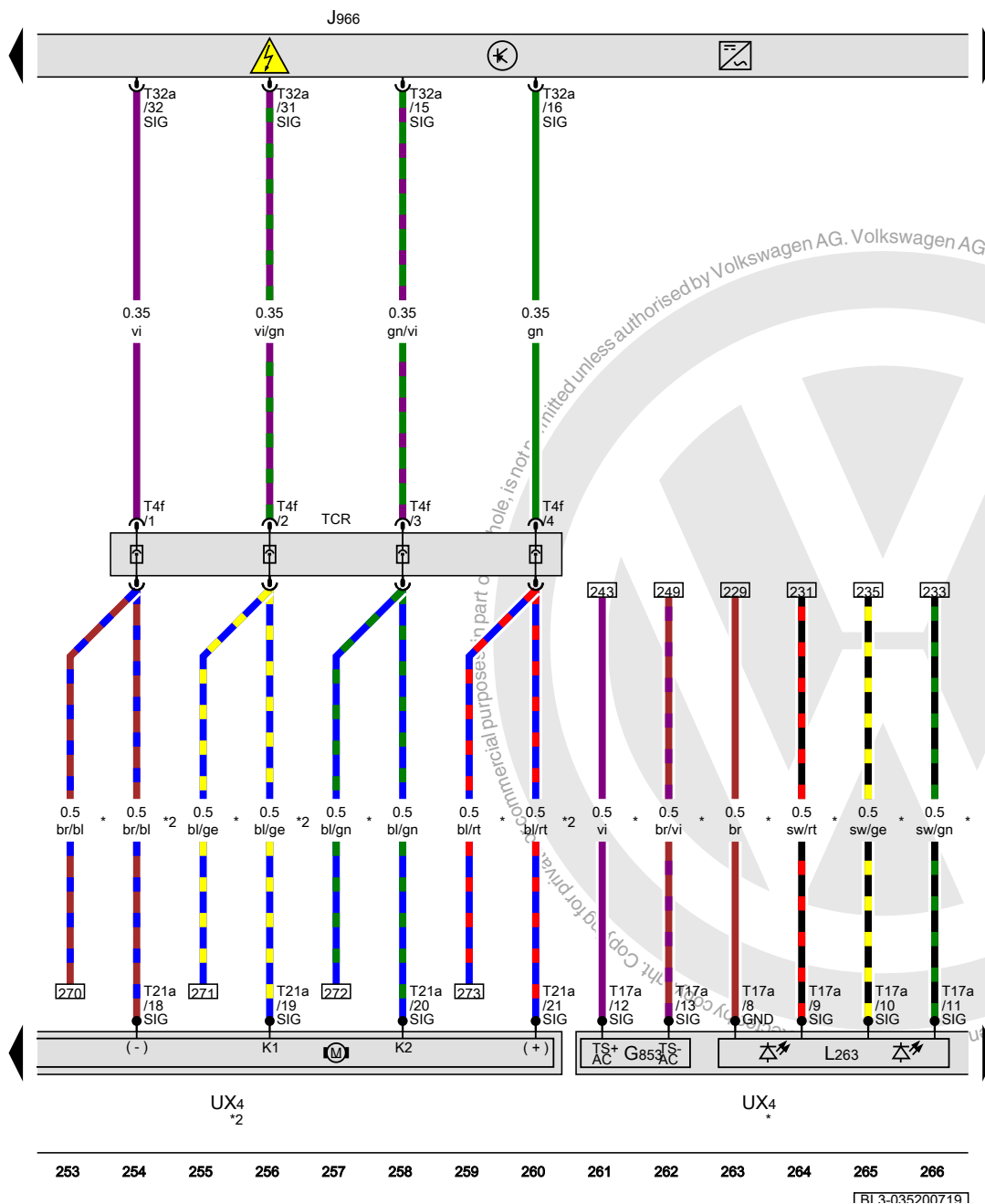
- F498 Actuator for high-voltage charging socket lock 1
- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- T10a 10-pin connector, black
- T21a 21-pin connector
- T32a 32-pin connector, grey
- T32b 32-pin connector, grey
- TCR Coupling point on right C-pillar
- UX4 High-voltage battery charging socket 1
- For models with AC/DC charging socket
- \*2 For models with combined AC and DC charging system
- \*3 For models with AC charging socket



ws = white  
 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 voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- G853 Temperature sender for charging socket 1
- J966 Charge voltage control unit for high-voltage battery
- L263 LED module for charging socket 1
- T4f 4-pin connector, black
- T17a 17-pin connector
- T21a 21-pin connector
- T32a 32-pin connector, grey
- TCR Coupling point on right C-pillar
- UX4 High-voltage battery charging socket 1
- \* For models with AC charging socket
- \*2 For models with AC/DC charging socket



- ws = white
- 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 voltage control unit for high-voltage battery, High-voltage battery charging socket 1

- F498 Actuator for high-voltage charging socket lock 1
- J966 Charge voltage control unit for high-voltage battery
- T17a 17-pin connector
- T32a 32-pin connector, grey
- T32b 32-pin connector, grey
- UX4 High-voltage battery charging socket 1

385 Earth connection 20, in main wiring harness

729 Earth point, on left rear wheel housing

A1 Positive connection (30a), in dash panel wiring harness

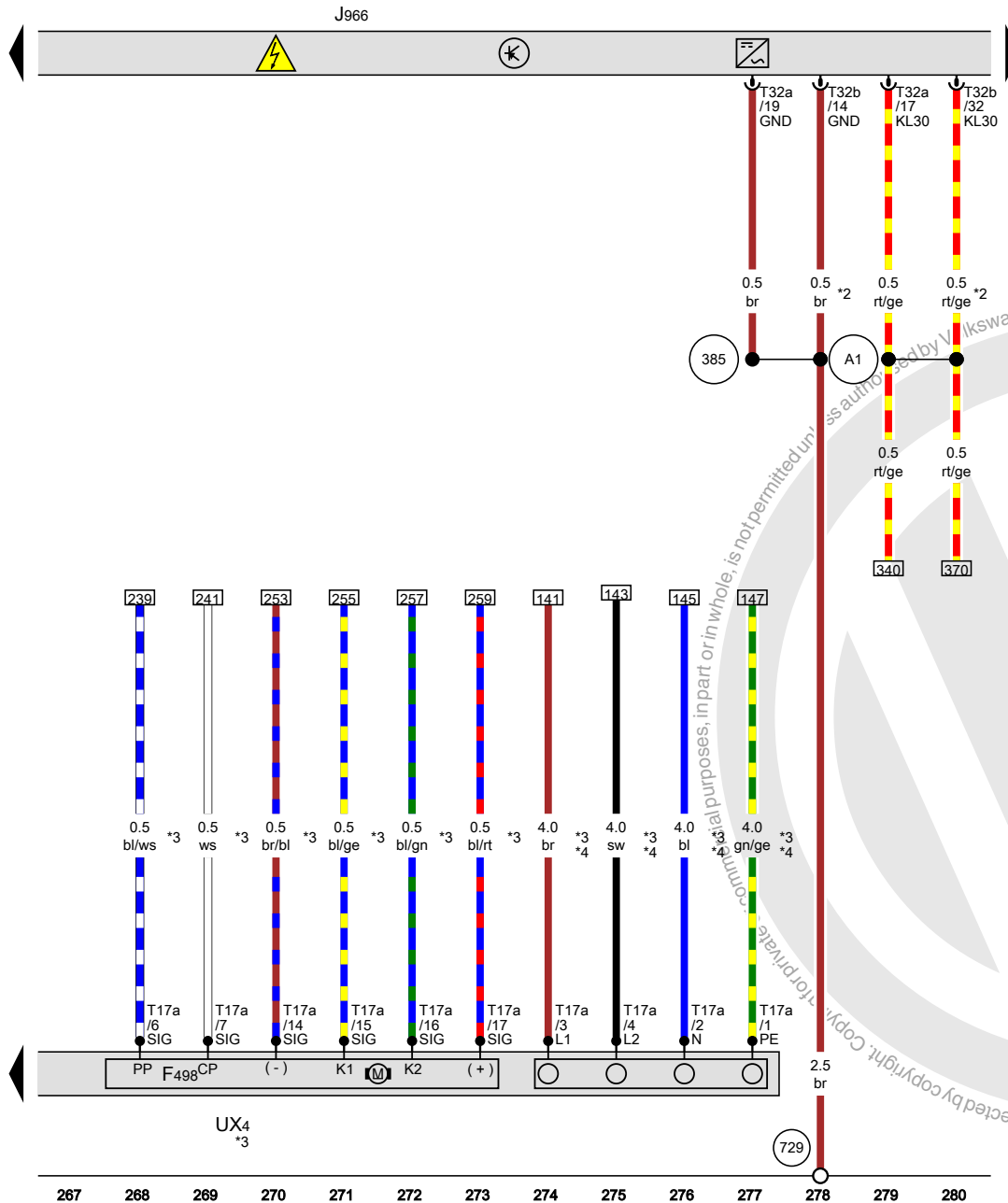
\* High-voltage wiring harness for high-voltage battery (PX1)

\*2 For models with combined AC and DC charging system

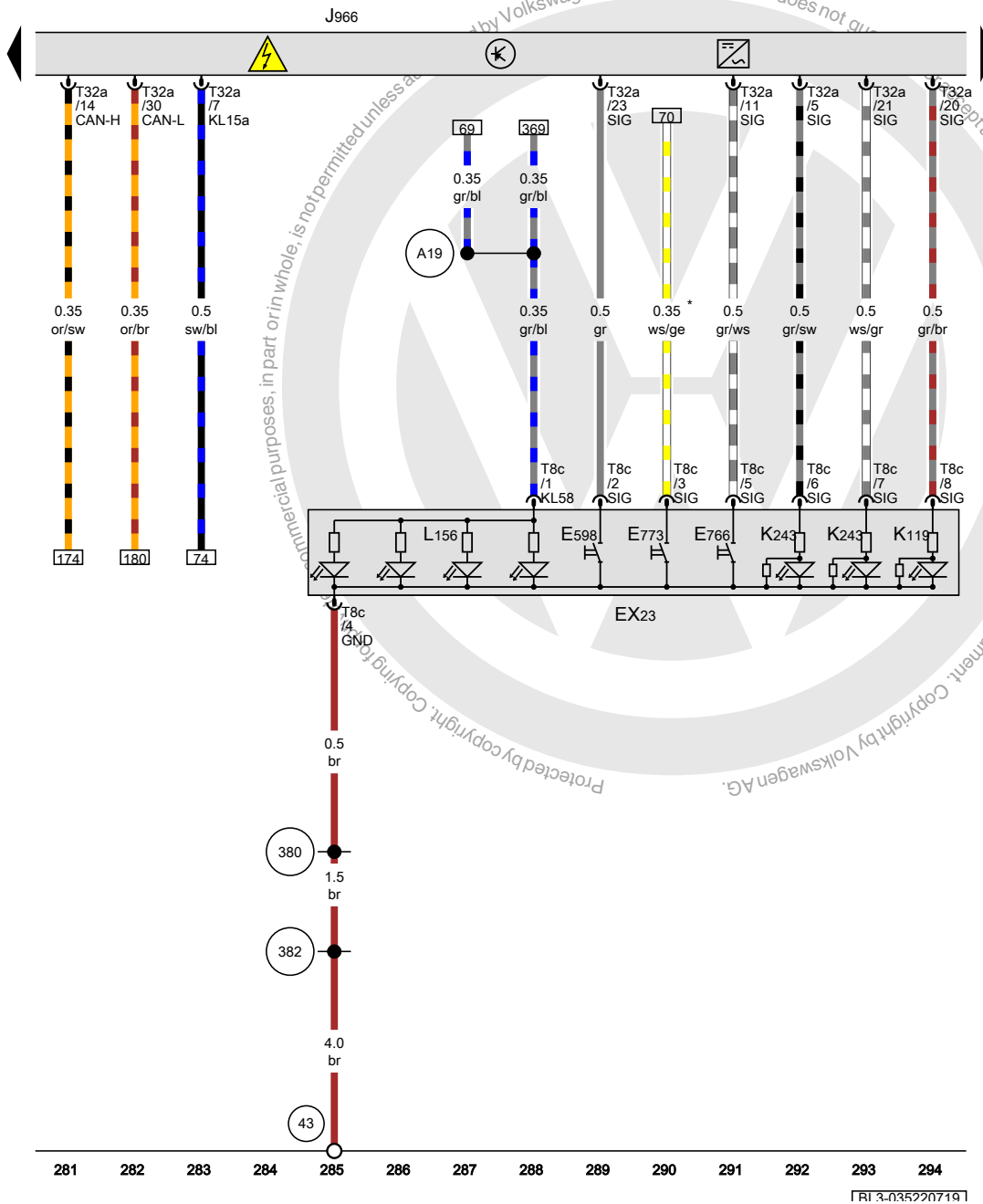
\*3 For models with AC charging socket

\*4 High-voltage wire 1 for high-voltage charge current distributor/high-voltage charging socket (P18)

ws = white  
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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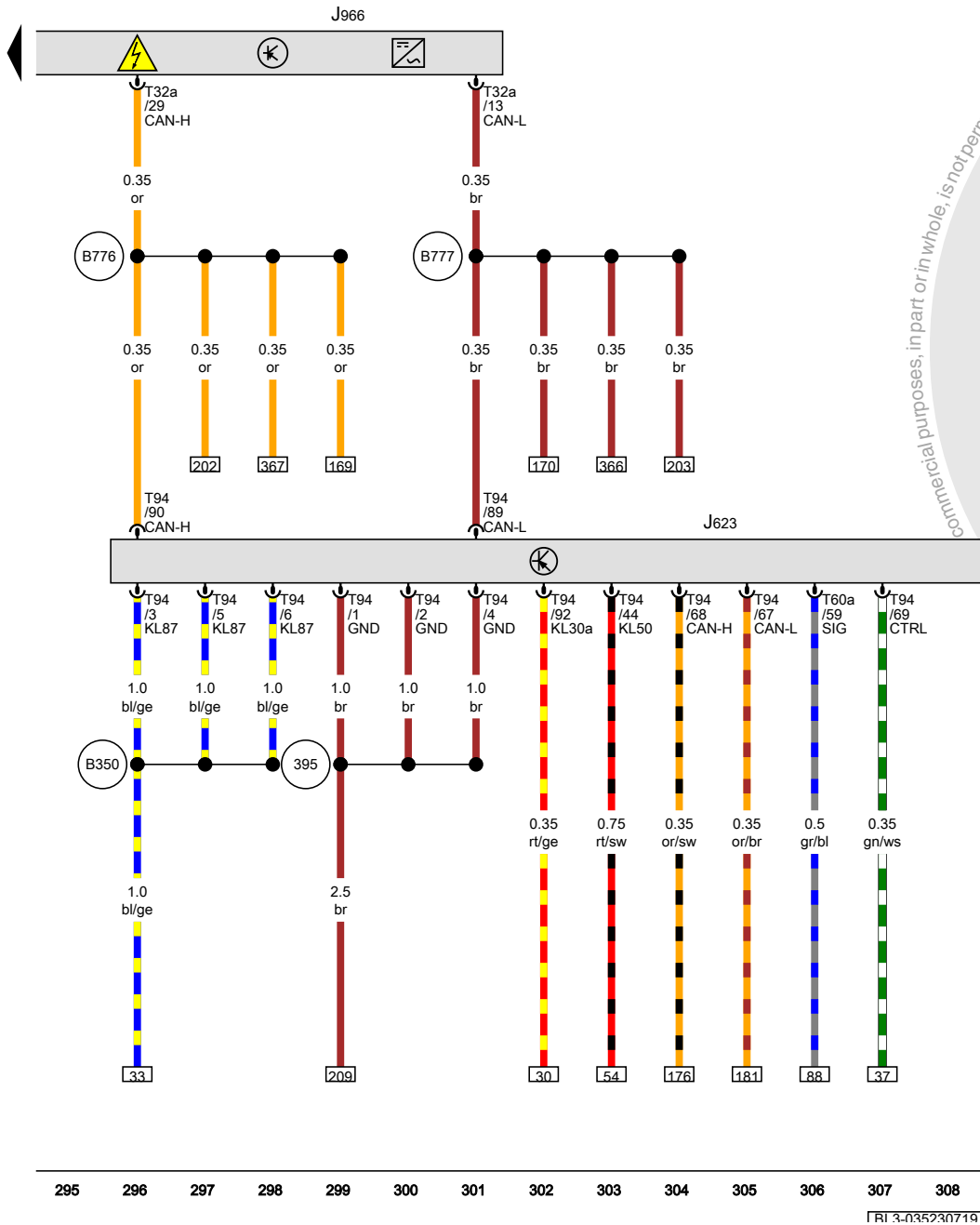


Switch module 1 in centre console, Charge voltage control unit for high-voltage battery

- EX23 Switch module 1 in centre console
- E598 Driving program button
- E766 Immediate charge button
- E773 Button for emergency braking function
- J966 Charge voltage control unit for high-voltage battery
- K119 Charge air monitor warning lamp
- K243 Driving program warning light
- L156 Switch illumination bulb
- T8c 8-pin connector, black
- T32a 32-pin connector, grey

- 43 Earth point, lower part of right A-pillar
- 380 Earth connection 15, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- A19 Connection (58d), in dash panel wiring harness
- \* Optional 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/motor control unit, Charge voltage control unit for high-voltage battery

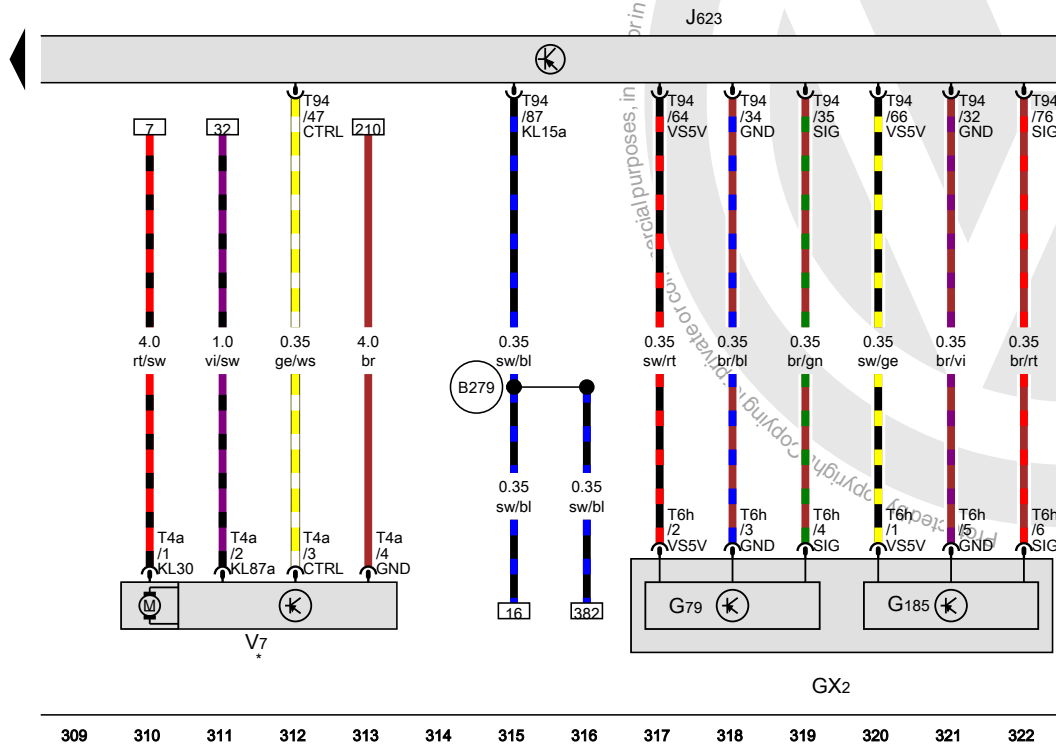
- J623 Engine/motor control unit
- J966 Charge voltage control unit for high-voltage battery
- T32a 32-pin connector, grey
- T60a 60-pin connector, black
- T94 94-pin connector, black
- 395 Earth connection 30, in main wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- B776 Connection 1 (hybrid CAN bus, high) in main wiring harness
- B777 Connection 1 (hybrid CAN bus, low) in main wiring harness
- \* High-voltage wiring harness for high-voltage battery (PX1)

Accelerator pedal module, Engine/motor control unit,  
Radiator fan

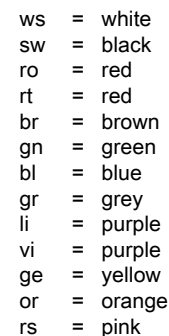
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine/motor control unit
- T4a 4-pin connector, black
- T6h 6-pin connector, black
- T94 94-pin connector, black
- V7 Radiator fan

B279 Positive connection 3 (15a) in main wiring harness

Pre-wired component



1913-0352407191



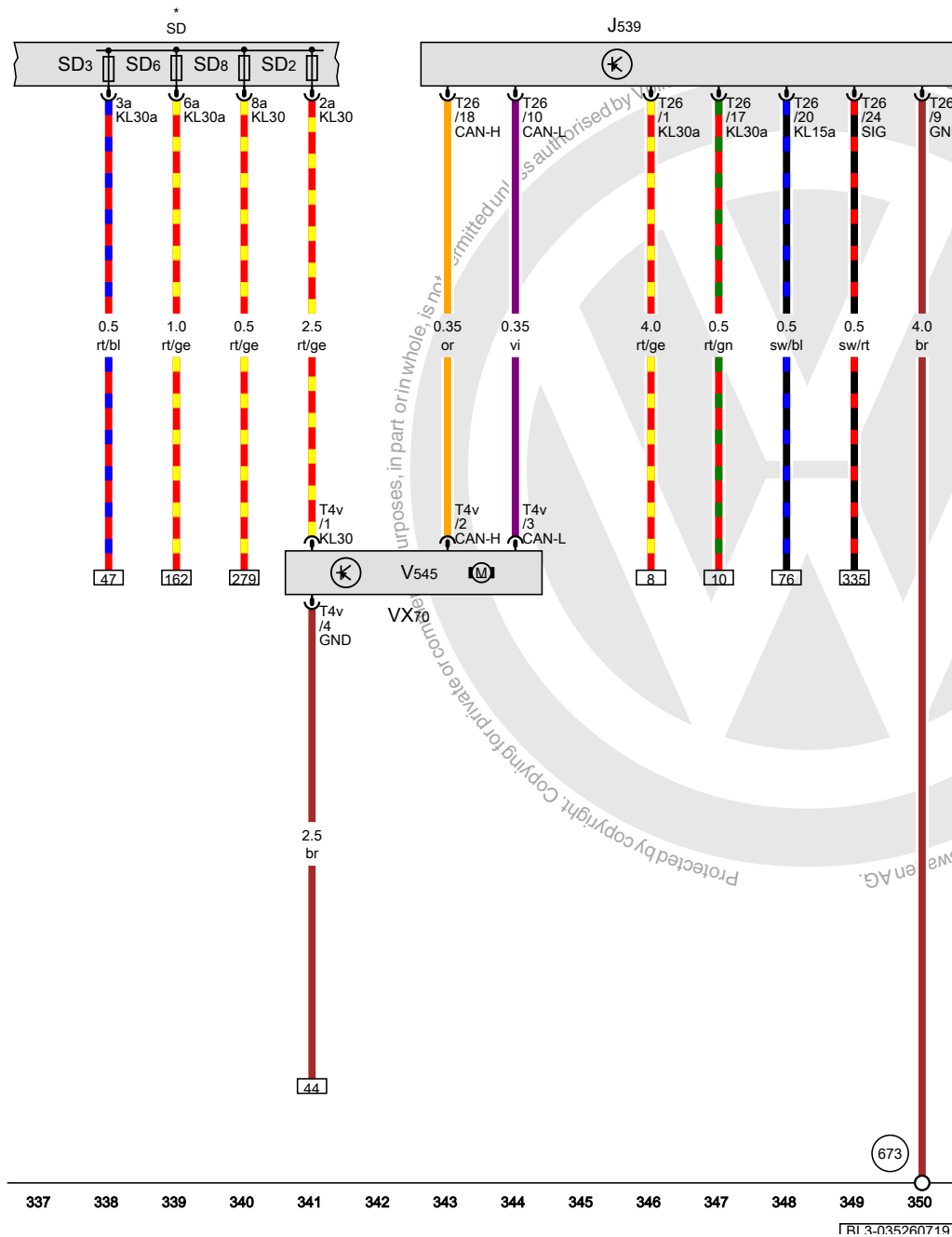
(E85) Connection 9 (87a) in engine wiring harness

Brake servo control unit, Brake system pressure accumulator

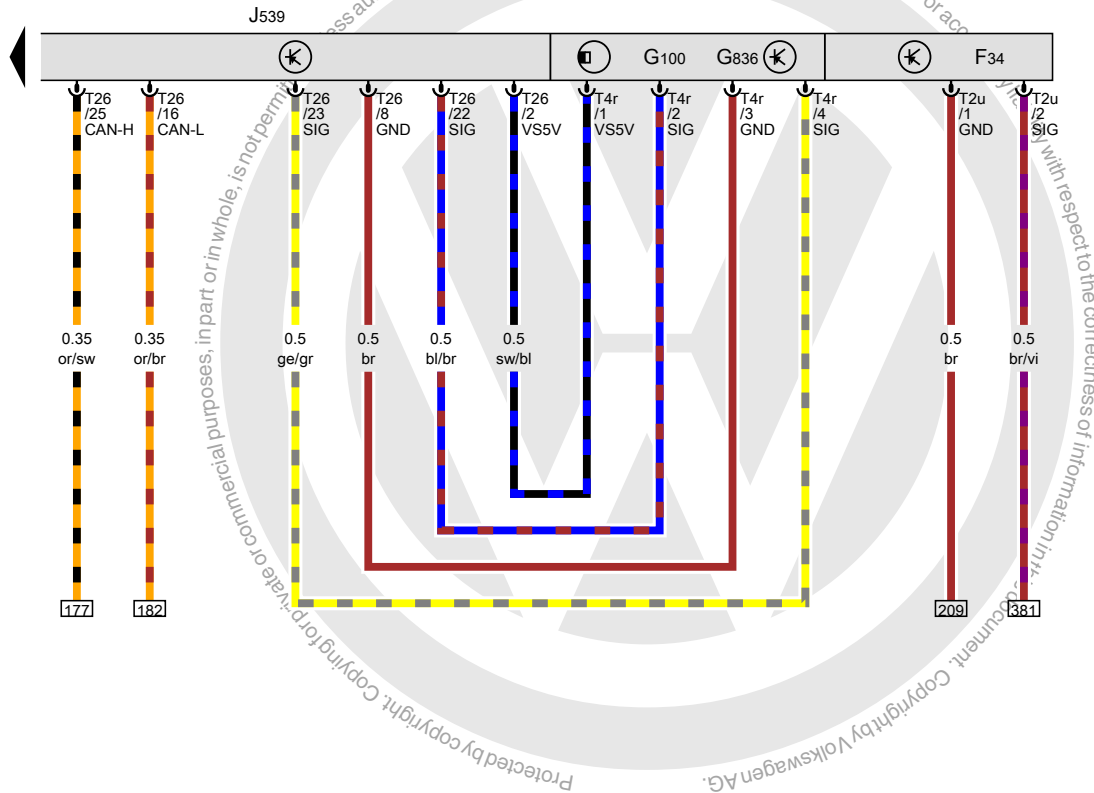
- J539 Brake servo control unit
- SD Fuse holder D
- SD2 Fuse 2 on fuse holder D
- SD3 Fuse 3 on fuse holder D
- SD6 Fuse 6 on fuse holder D
- SD8 Fuse 8 on fuse holder D
- T4v 4-pin connector, black
- T26 26-pin connector, black
- VX70 Brake system pressure accumulator
- V545 Motor in brake pressure accumulator for energy recovery

673 Earth point 3, on front of left longitudinal member

\* see applicable current flow diagram for fuse assignment



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



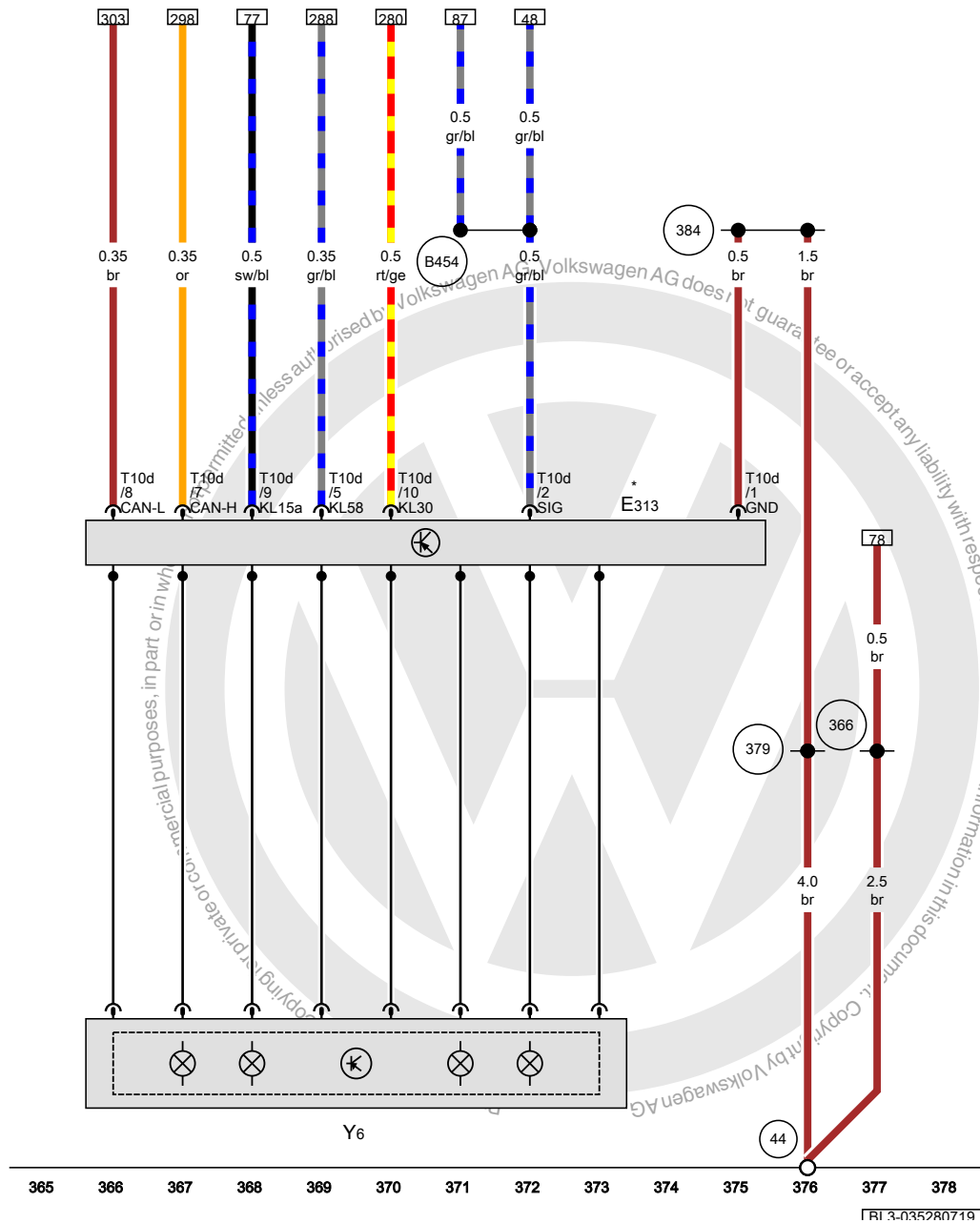
Brake fluid level warning contact, Brake pedal position sender, Brake servo control unit

- F34 Brake fluid level warning contact
- G100 Brake pedal position sender
- G836 Brake pedal position sender 2
- J539 Brake servo control unit
- T2u 2-pin connector, black
- T4r 4-pin connector, black
- T26 26-pin connector, black

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

Selector lever, Selector lever position display

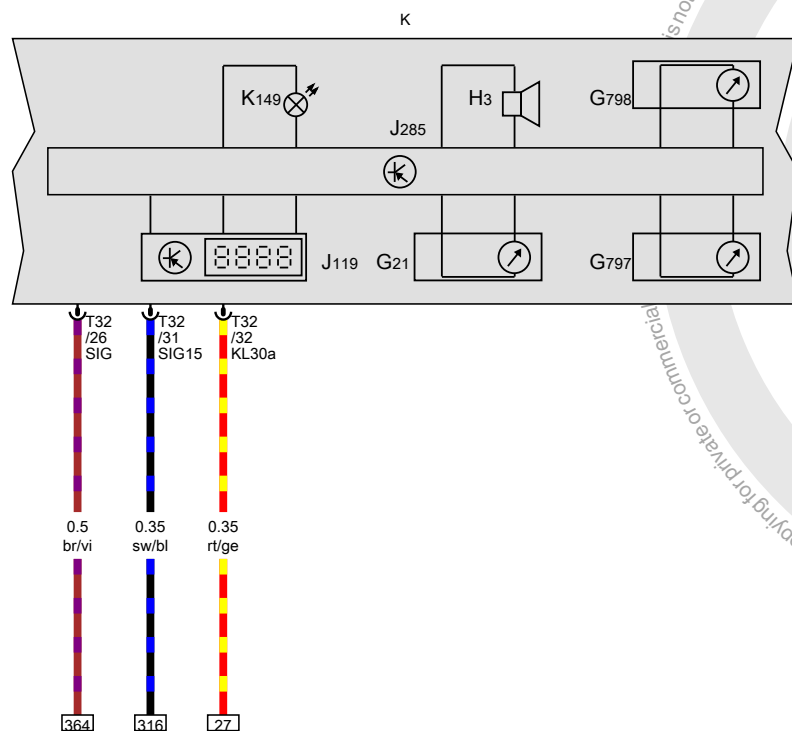
- E313 Selector lever
- T10d 10-pin connector, red
- Y6 Selector lever position display
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- B454 Connection (shift lock), in main wiring harness
- \* Pre-wired component





Speedometer, Charge level display, Operating range display, Multifunction indicator, Control unit in dash panel insert, Dash panel insert

- G21 Speedometer
- G797 Charge level display
- G798 Operating range display
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K149 Engine electronics warning lamp
- T32 32-pin connector, blue



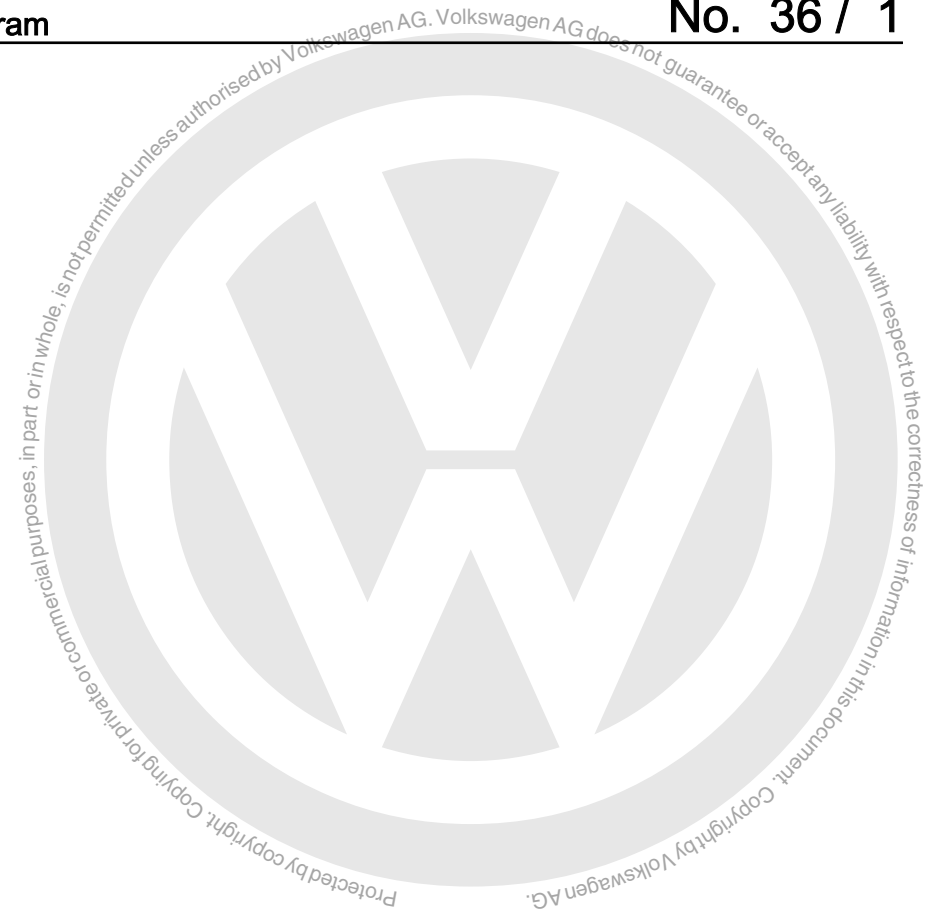
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

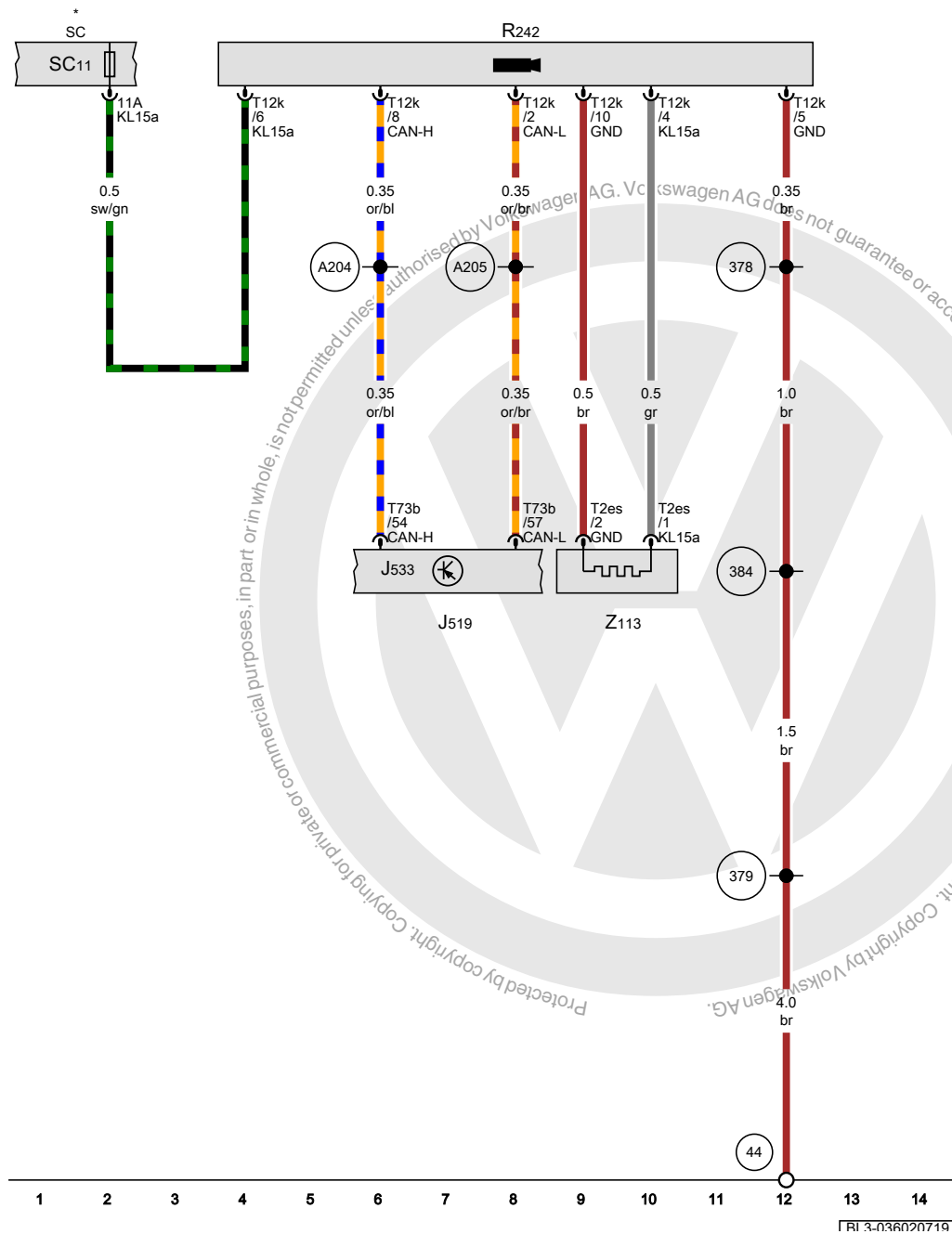
379 380 381 382 383 384 385 386 387 388 389 390 391 392

181 3-0352907191

## Front camera for driver assist systems , (QK1)

From August 2019





Onboard supply control unit, Data bus diagnostic interface, Front camera for driver assist systems, Fuse holder C, Windscreen heater for front sensors

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- R242 Front camera for driver assist systems
- SC Fuse holder C
- SC11 Fuse 11 on fuse holder C
- T2es 2-pin connector, black
- T12k 12-pin connector, black
- T73b 73-pin connector, colourless
- Z113 Windscreen heater for front sensors

- 44 Earth point, lower part of left A-pillar
- 378 Earth connection 13, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 384 Earth connection 19, in main wiring harness
- A204 Connection (dash panel insert CAN bus, high), in dash panel wiring harness
- A205 Connection (dash panel insert CAN bus, low), in dash panel wiring harness
- \* see applicable current flow diagram for fuse assignment

- ws = white
- 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**

- ☐ Specified torque 9 Nm

**671 - Earth point 1, on front of left longitudinal member**

- ☐ Specified torque 9 Nm

**672 - Earth point 2, on front of left longitudinal member**

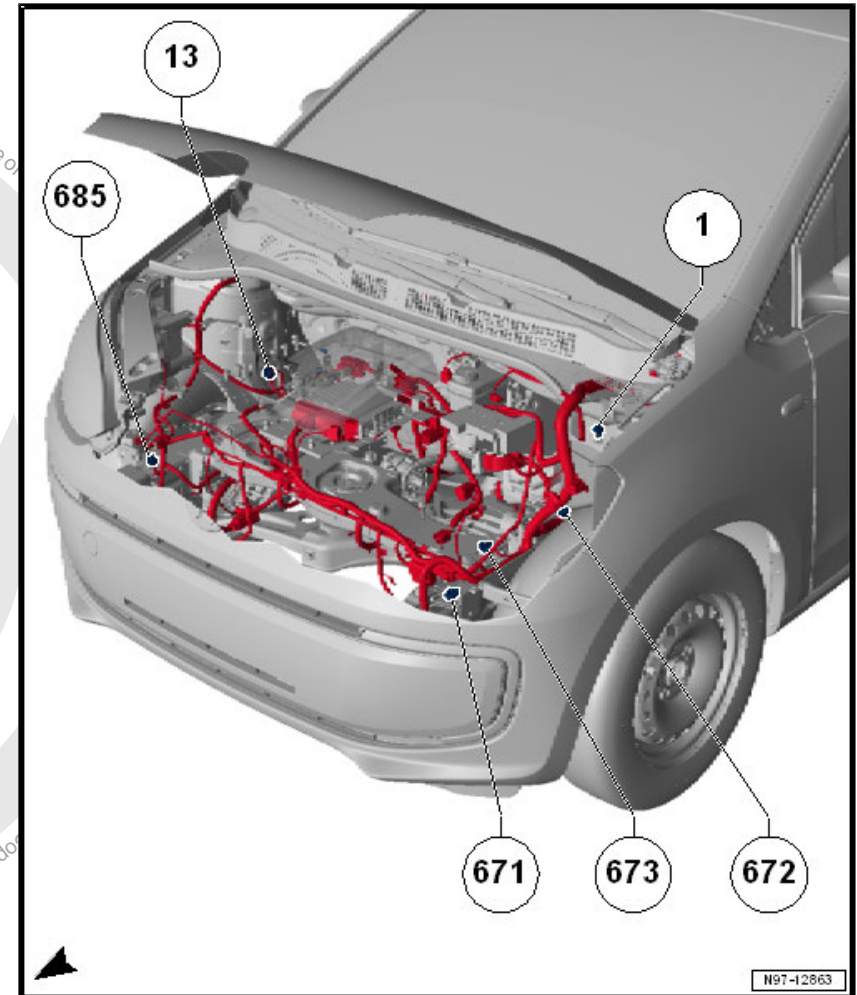
- ☐ Specified torque 9 Nm

**673 - Earth point 3, on front of left longitudinal member**

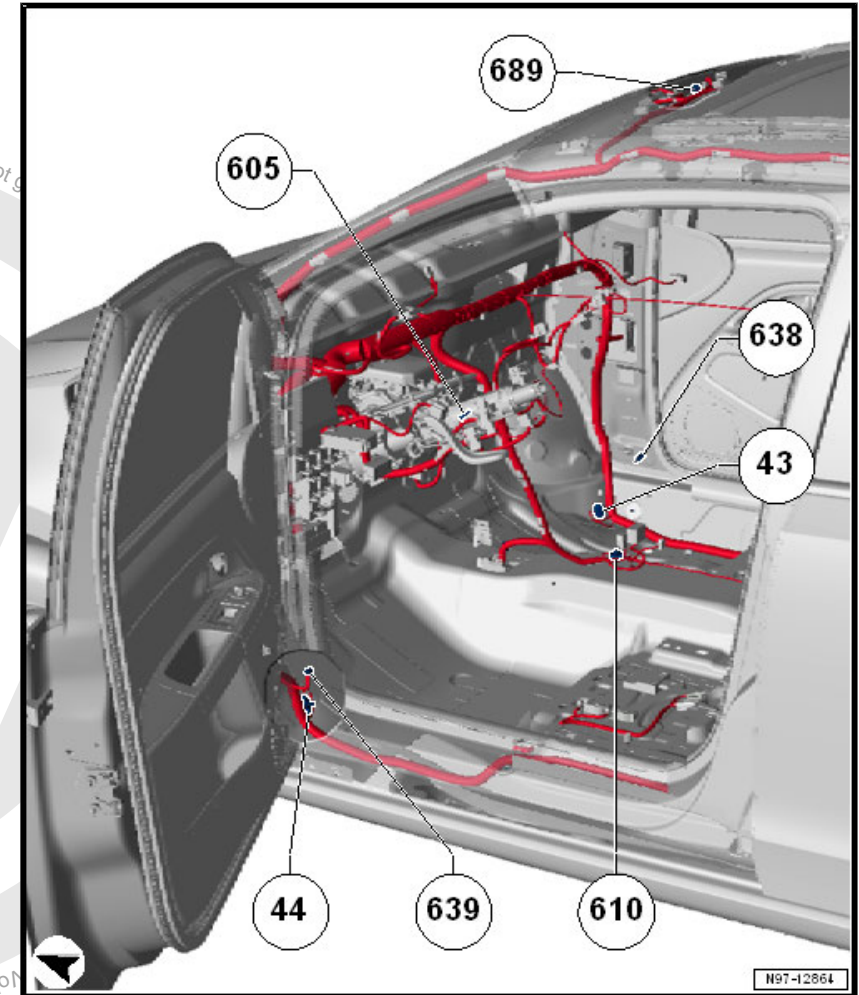
- ☐ Specified torque 9 Nm

**685 - Earth point 1, on front of right longitudinal member**

- ☐ Specified torque 20 Nm



- 43 - Earth point, lower part of right A-pillar**
  - ☐ Specified torque 9 Nm
- 44 - Earth point, lower part of left A-pillar**
  - ☐ Specified torque 9 Nm
- 605 - Earth point, on top end of steering column**
  - ☐ Specified torque 9 Nm
- 610 - Earth point (audio), front below centre console**
  - ☐ Specified torque 9 Nm
- 638 - Earth point, on right A-pillar**
  - ☐ Specified torque 9 Nm
- 639 - Earth point, left A-pillar**
  - ☐ Specified torque 9 Nm
- 689 - Earth point, at front, central in roof**
  - ☐ Specified torque 9 Nm



**67 - Earth point, on left of front cross member**

- ☐ Specified torque 9 Nm

**80 - Earth point, on centre of front cross member**

- ☐ Specified torque 9 Nm

**717 - Earth point on front right of cross member**

- ☐ Specified torque 9 Nm

**782 - Earth point 1, on high-voltage battery**

- ☐ Specified torque 20 Nm

**790 - Earth point on front left of underbody**

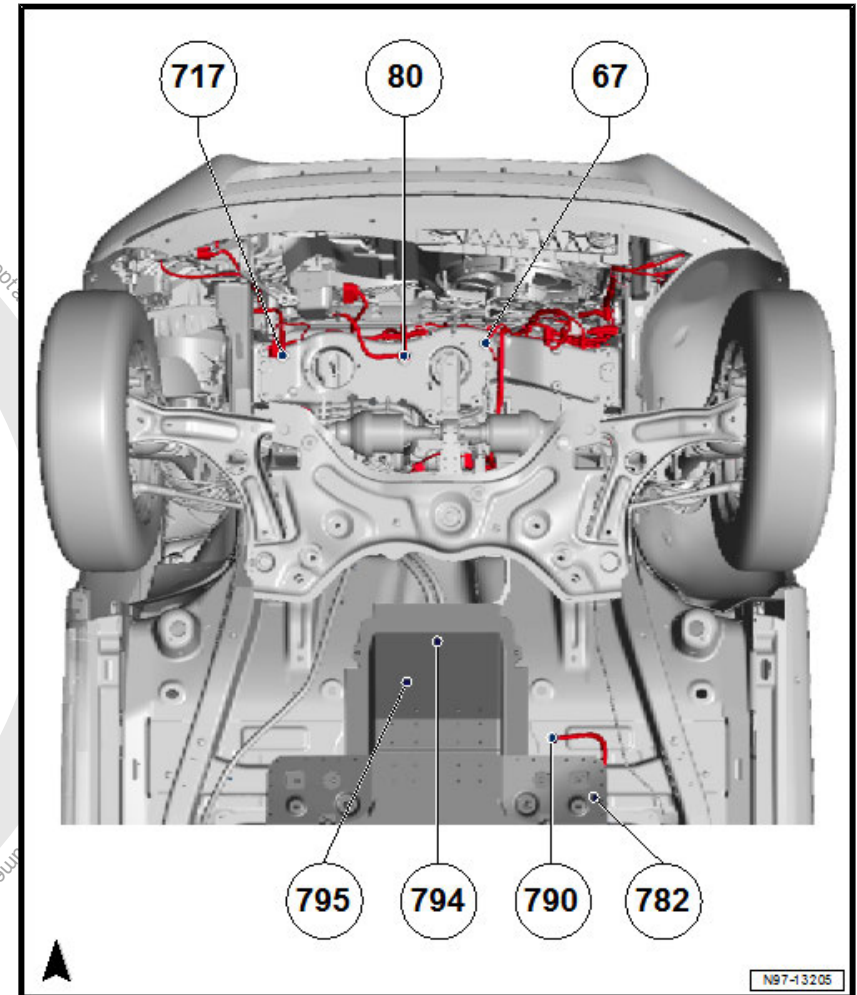
- ☐ Specified torque 20 Nm

**794 - Earth point 1, in high-voltage battery**

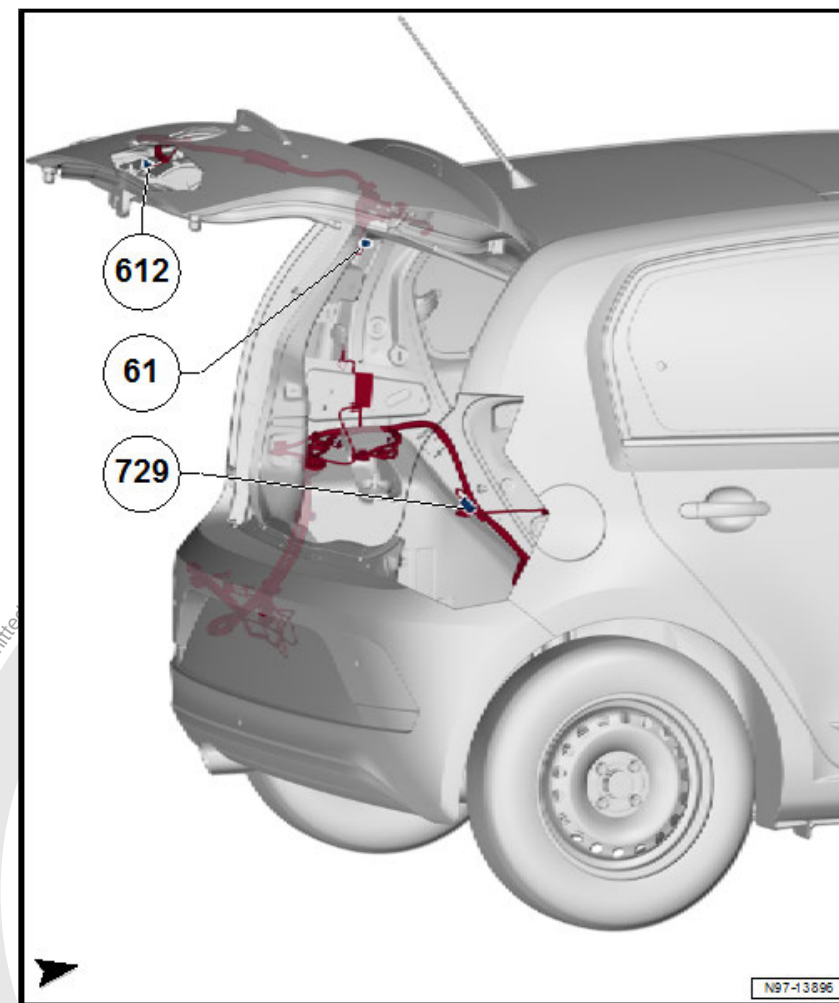
- ☐ Specified torque 9 Nm

**795 - Earth point 2, in high-voltage battery**

- ☐ Specified torque 9 Nm



- 61 - Earth point, left C-pillar**
  - ☐ Specified torque 2 Nm
- 612 - Earth point, centre on rear lid**
  - ☐ Specified torque 2 Nm
- 729 - Earth point, on left rear wheel housing**
  - ☐ Specified torque 9 Nm



N97-13896



**730 - Earth point 1, on right rear wheel housing**

- ☐ Specified torque 9 Nm

**783 - Earth point 2, on high-voltage battery**

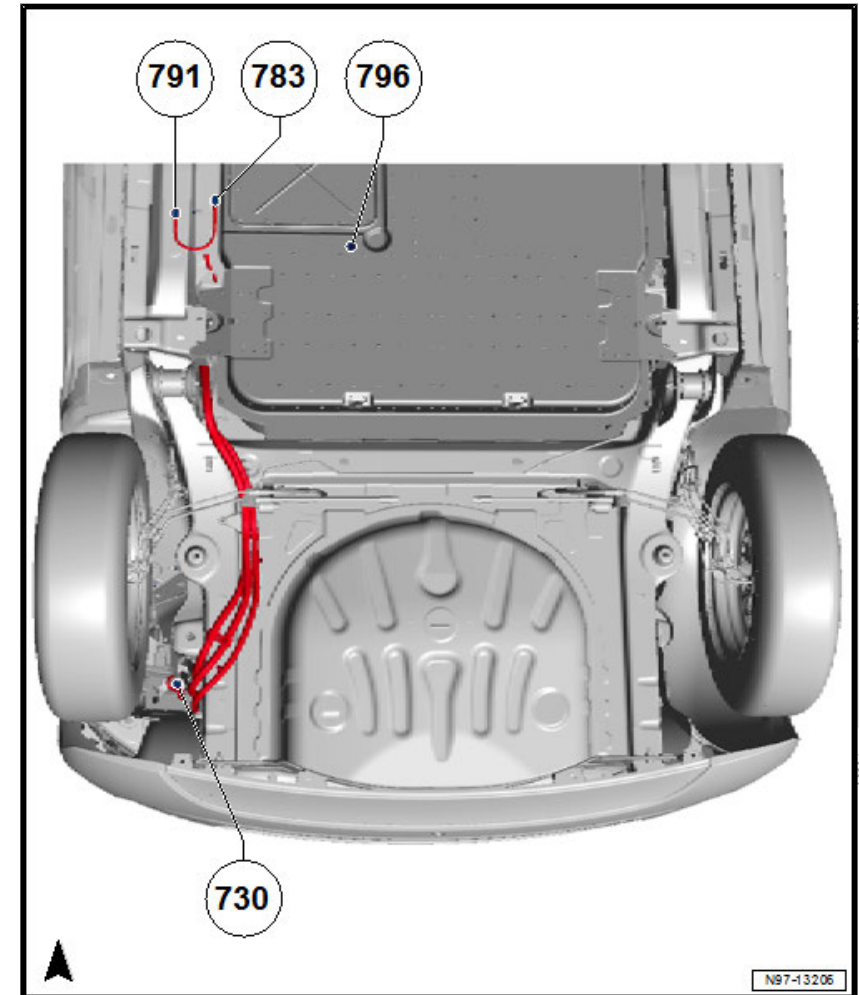
- ☐ Specified torque 20 Nm

**791 - Earth point, on rear right of underbody**

- ☐ Specified torque 20 Nm

**796 - Earth point 3, in high-voltage battery**

- ☐ Specified torque 9 Nm



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## 1 Fuses

### 1.1 Overview of fuses



#### Note

*The fitting locations are identical on LHD and RHD models.*

**1 - Fuse holder D -SD-**

- ☐ Fitting location ⇒ [page 36](#)
- ☐ Fuse assignment from July 2013 ⇒ [page 37](#)
- ☐ Fuse assignment from May 2014 ⇒ [page 37](#)
- ☐ Fuse assignment, from August 2016 ⇒ [page 38](#)

**2 - Fuse holder C -SC-**

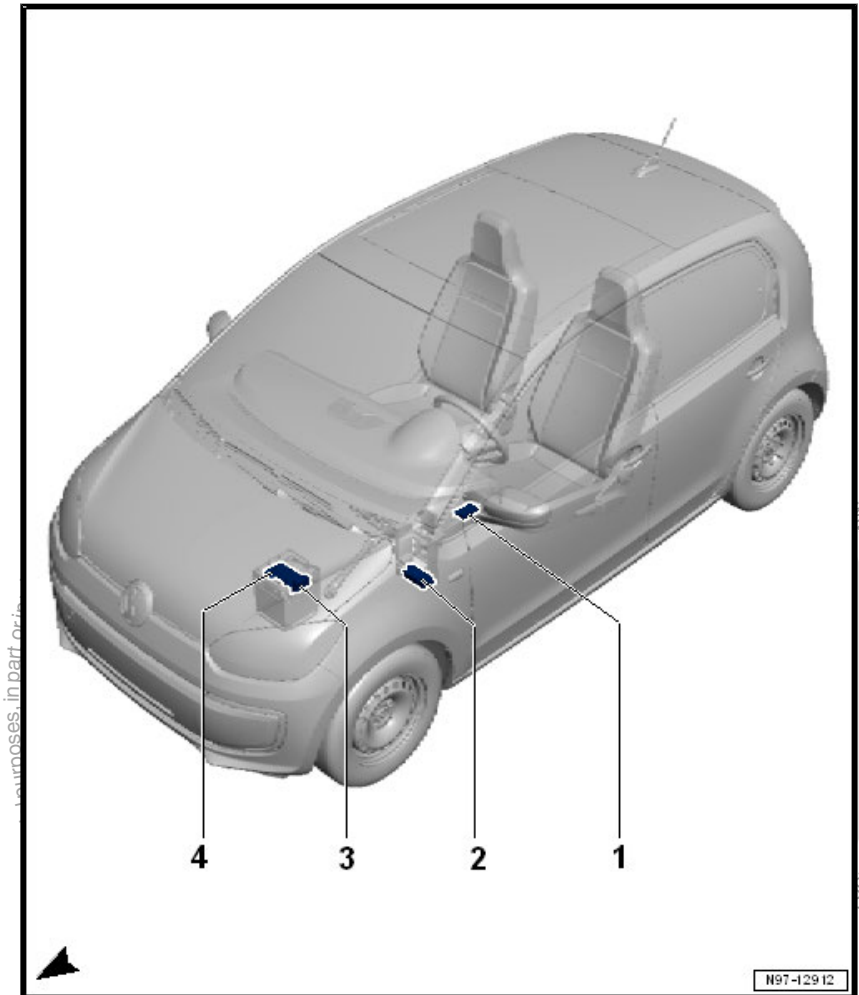
- ☐ Fitting location left-hand drive ⇒ [page 7](#)
- ☐ Fitting location right-hand drive ⇒ [page 9](#)
- ☐ Fuse assignment from July 2013 ⇒ [page 10](#)
- ☐ Fuse assignment, from November 2013 ⇒ [page 12](#)
- ☐ Fuse assignment from May 2014 ⇒ [page 15](#)
- ☐ Fuse assignment, from November 2014 ⇒ [page 18](#)
- ☐ Fuse assignment, from August 2016 ⇒ [page 21](#)
- ☐ Fuse assignment, from November 2016 ⇒ [page 24](#)
- ☐ Fuse assignment, from November 2017 ⇒ [page 27](#)
- ☐ Fuse assignment from July 2018 ⇒ [page 30](#)
- ☐ Fuse assignment, from August 2019 ⇒ [page 33](#)

**3 - Fuse holder B -SB-**

- ☐ Fitting location ⇒ [page 5](#)
- ☐ Fuse assignment from July 2013 ⇒ [page 6](#)

**4 - Fuse holder A -SA-**

- ☐ Fitting location ⇒ [page 3](#)
- ☐ Fuse assignment from July 2013 ⇒ [page 4](#)
- ☐ Fuse assignment from May 2014 ⇒ [page 4](#)



## 1.2 Fitting location of fuse holder A -SA-



Note

*The fitting locations are identical on LHD and RHD models.*

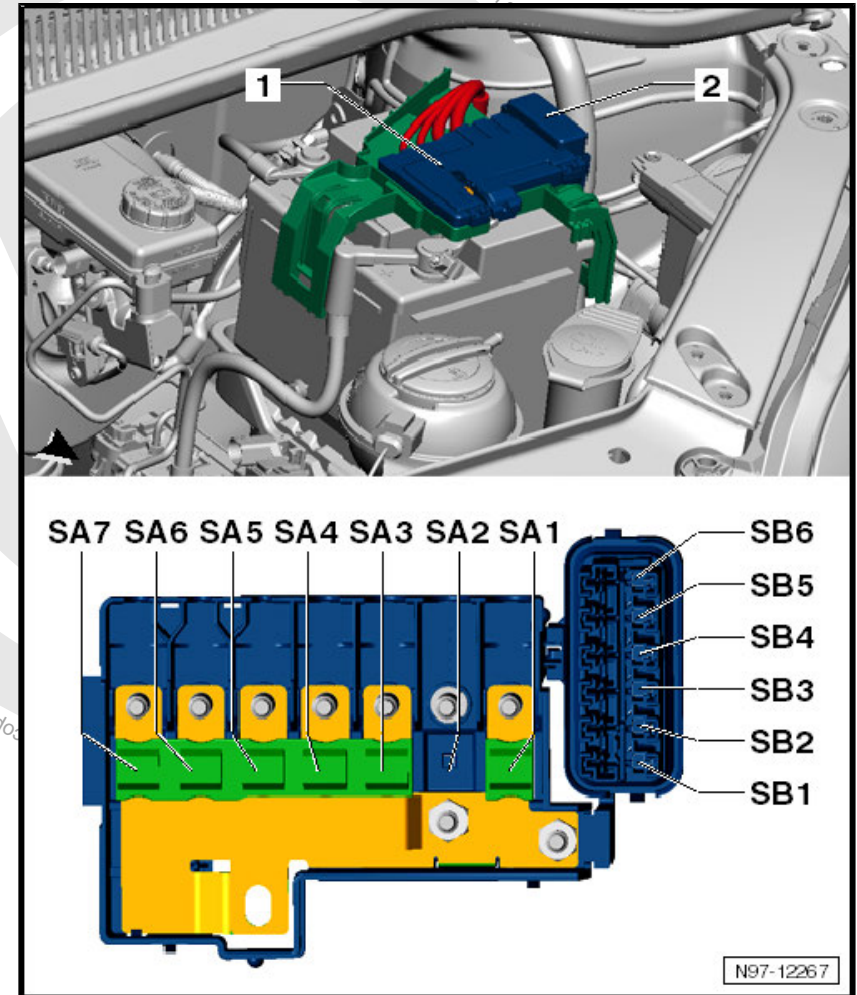
### 1 - Fuse holder A -SA-



Note

*The fuse strip (multifuse) must be replaced as a complete unit.*

- ◆ Multifuse strip fuse ⇒ Repair Group 97 ; Removing and installing fuse holder



[Back to overview](#) ⇒ [page 1](#)

### 1.3 Fuse assignment for fuse holder A -SA- , from July 2013

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SA 1	B1	Fuse 1 on fuse holder A -SA1-	175A	Power and control electronics for electric drive -JX1-	30
SA 2	C1	Reserve			
SA 3	D1	Fuse 3 on fuse holder A -SA3-	110A	Fuse holder C -SC- Fuse holder D -SD- Terminal 15 voltage supply relay -J329-	30
SA 4	E1	Fuse 4 on fuse holder A -SA4-	50A	Power steering control unit -J500-	30
SA 5	F1	Fuse 5 on fuse holder A -SA5-	40A	ABS control unit -J104-	30
SA 6	G1	Fuse 6 on fuse holder A -SA6-	40A	Radiator fan -V7-	30
SA 7	H1	Fuse 7 on fuse holder A -SA7-	50A	Brake servo control unit -J539-	30

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### 1.4 Fuse assignment for fuse holder A -SA- , from May 2014

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SA 1	B1	Fuse 1 on fuse holder A -SA1-	250A	Power and control electronics for electric drive -JX1-	30
SA 2	C1	Reserve			
SA 3	D1	Fuse 3 on fuse holder A -SA3-	150A	Fuse holder C -SC- Fuse holder D -SD- Terminal 15 voltage supply relay -J329-	30
SA 4	E1	Fuse 4 on fuse holder A -SA4-	50A	Power steering control unit -J500-	30
SA 5	F1	Fuse 5 on fuse holder A -SA5-	40A	ABS control unit -J104-	30
SA 6	G1	Fuse 6 on fuse holder A -SA6-	40A	Radiator fan -V7-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SA 7	H1	Fuse 7 on fuse holder A -SA7-	50A	Brake servo control unit -J539-	30

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## 1.5 Fitting location of fuse holder B -SB-



### Note

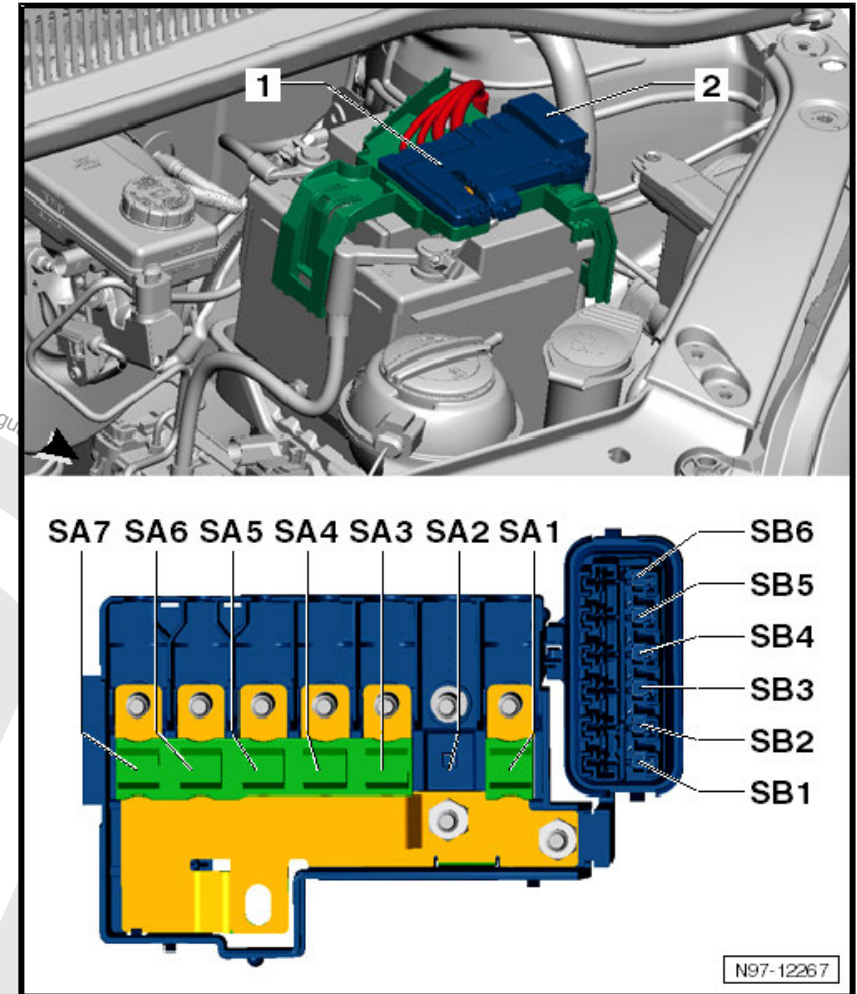
*The fitting locations are identical on LHD and RHD models.*



## 2 - Fuse holder B -SB-

### Fuse colours:

- ◆ 50 A - red
- ◆ 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
- ◆ 3 A - violet



[Back to overview](#) ⇒ [page 1](#)

## 1.6 Fuse assignment for fuse holder B -SB-, from July 2013

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SB 1	J1	Fuse 1 on fuse holder B -SB1-	30A	ABS control unit -J104-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SB 2	J2	Fuse 2 on fuse holder B -SB2-	7.5A	Brake servo control unit -J539-	30
SB 3	J3	Fuse 3 on fuse holder B -SB3-	7.5A	Ignition/starter switch -D-	30
SB 4	J4	Fuse 4 on fuse holder B -SB4-	10A	ABS control unit -J104-	30
SB 5	J5	Fuse 5 on fuse holder B -SB5-	7.5A	Battery monitor control unit -J367- Onboard supply control unit -J519-	30
SB 6	J6	Fuse 6 on fuse holder B -SB6-	30A	Ignition/starter switch -D-	30

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## 1.7 Fitting location of fuse holder C -SC-

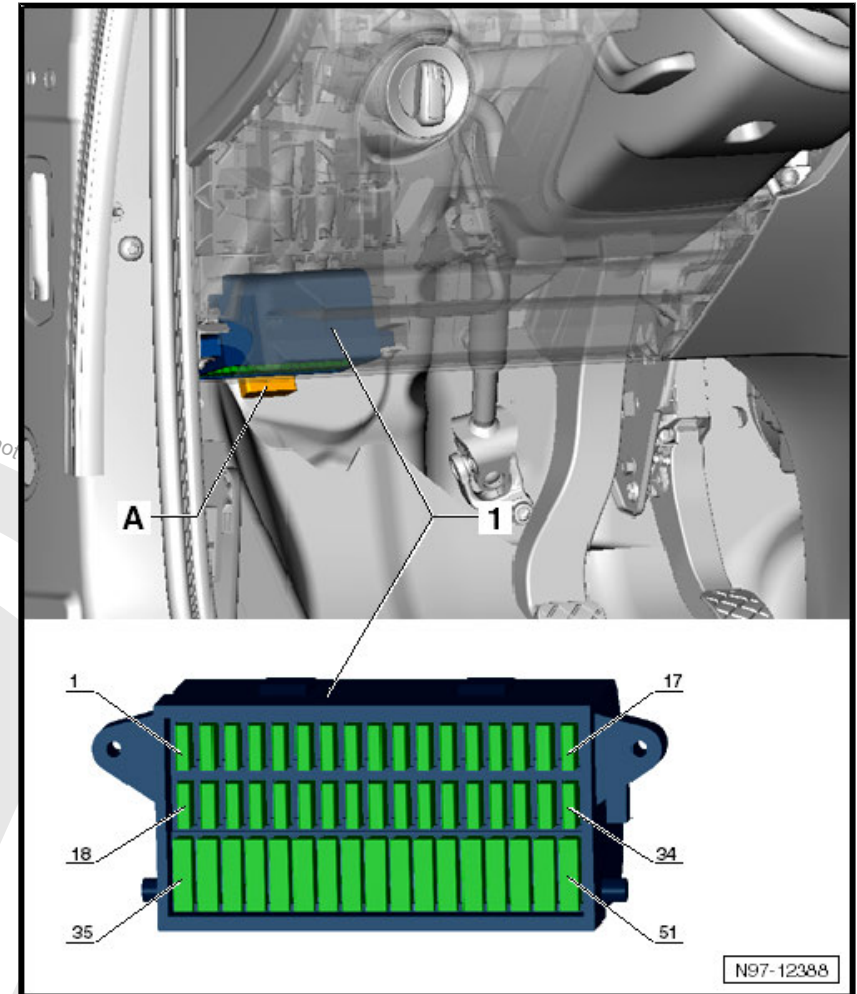
### 1.7.1 Fitting location of fuse holder C -SC-, LHD models



1 - Fuse holder C -SC-

Fuse colours:

- ◆ 50 A - red
- ◆ 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
- ◆ 3 A - violet





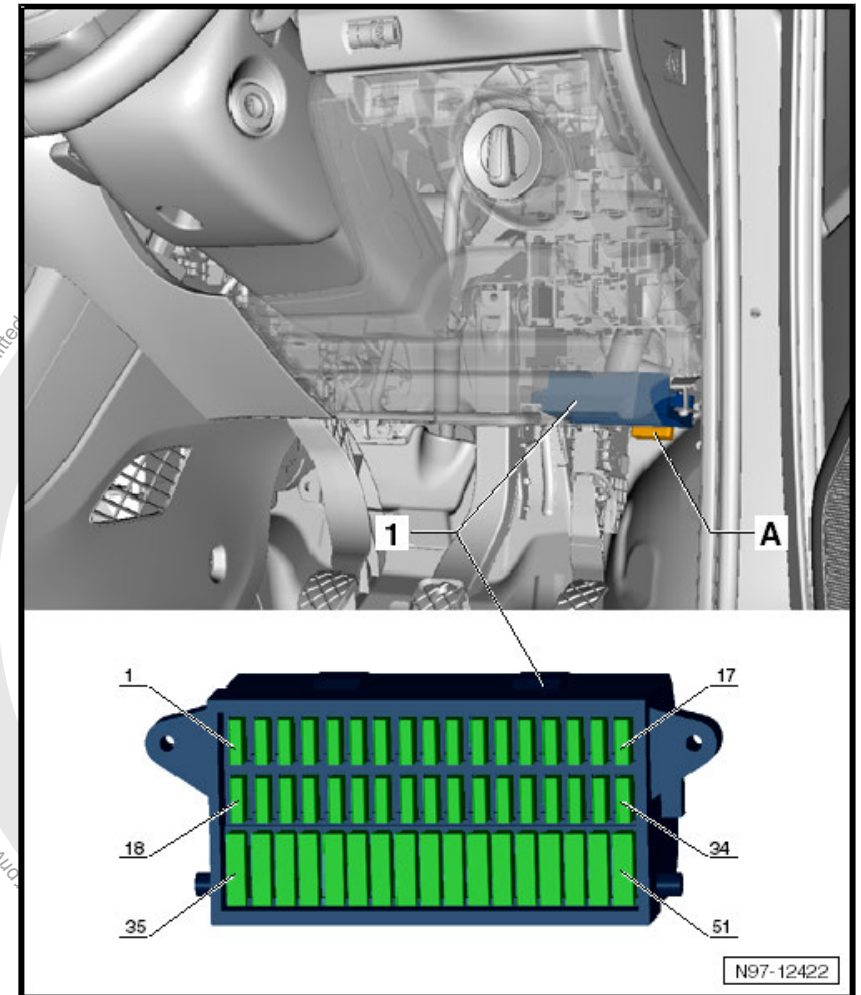
[Back to overview](#) ⇒ [page 1](#)

## 1.7.2 Fitting location of fuse holder C -SC- , RHD models

1 - Fuse holder C -SC-

Fuse colours:

- ◆ 50 A - red
- ◆ 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
- ◆ 3 A - violet



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## 1.8 Fuse assignment for fuse holder C -SC- , from July 2013

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	not assigned	-		-
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	Fuse 12 on fuse holder C -SC12-	7.5A	Light switch -E1-	75
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939-	15
21	-	not assigned	-		-
22	-	not assigned	-		-

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Front interior light -W1- ♦ Front passenger reading light -W13- ♦ Driver side reading light -W19-	30
28	-	Fuse 28 on fuse holder C -SC28-	7.5A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	Fuse 33 on fuse holder C -SC33-	10A	Front right headlight -MX2- ♦ Right headlight main beam bulb -M32-	56a
34	-	Fuse 34 on fuse holder C -SC34-	10A	Dash panel insert -K- Onboard supply control unit -J519- Front left headlight -MX1- ♦ Left headlight main beam bulb -M30-	56a
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	30A	Cigarette lighter -U1-	75
37	-	not assigned	-		-
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	25A	Onboard supply control unit -J519- ♦ Central locking	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	15A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ♦ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ♦ Treble horn -H2- ♦ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ♦ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ♦ Left tail light -MX3- ♦ Left reversing light bulb -M16- ♦ Right tail light -MX4- ♦ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Front left window regulator switch -E40-	15

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## 1.9 Fuse assignment for fuse holder C -SC- , from November 2013

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	not assigned	-		-

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	Fuse 12 on fuse holder C -SC12-	7.5A	Light switch -E1-	75
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Front interior light -W1- ♦ Front passenger reading light -W13- ♦ Driver side reading light -W19-	30
28	-	Fuse 28 on fuse holder C -SC28-	7.5A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	Fuse 33 on fuse holder C -SC33-	10A	Front right headlight -MX2- ♦ Right headlight main beam bulb -M32-	56a
34	-	Fuse 34 on fuse holder C -SC34-	10A	Dash panel insert -K- Onboard supply control unit -J519- Front left headlight -MX1- ♦ Left headlight main beam bulb -M30-	56a
35	-	not assigned			-
36	-	Fuse 36 on fuse holder C -SC36-	30A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	25A	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	15A	High-voltage battery 1 -AX2-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ◆ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ◆ Treble horn -H2- ◆ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ◆ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ◆ Left tail light -MX3- ◆ Left reversing light bulb -M16- ◆ Right tail light -MX4- ◆ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Front left window regulator switch -E40-	15

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### 1.10 Fuse assignment for fuse holder C -SC- , from May 2014

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	not assigned	-		-
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	Fuse 12 on fuse holder C -SC12-	7.5A	Light switch -E1-	75
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Front interior light -W1- ♦ Front passenger reading light -W13- ♦ Driver side reading light -W19-	30
28	-	Fuse 28 on fuse holder C -SC28-	10A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30



No.		Current flow diagram designation	Nominal value	Function/component	Terminal
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	Fuse 33 on fuse holder C -SC33-	10A	Front right headlight -MX2- ♦ Right headlight main beam bulb -M32-	56a
34	-	Fuse 34 on fuse holder C -SC34-	10A	Dash panel insert -K- Onboard supply control unit -J519- Front left headlight -MX1- ♦ Left headlight main beam bulb -M30-	56a
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	25A 20A <sup>1)</sup>	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ♦ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41-	15

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ◆ Treble horn -H2- ◆ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ◆ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ◆ Left tail light -MX3- ◆ Left reversing light bulb -M16- ◆ Right tail light -MX4- ◆ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Front left window regulator switch -E40-	15

1) Only right-hand drive models

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### 1.11 Fuse assignment for fuse holder C -SC- , from November 2014

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	not assigned	-		-
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	Fuse 12 on fuse holder C -SC12-	7.5A	Light switch -E1-	75
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Front interior light -W1- ♦ Front passenger reading light -W13- ♦ Driver side reading light -W19-	30
28	-	Fuse 28 on fuse holder C -SC28-	10A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	Fuse 33 on fuse holder C -SC33-	10A	Front right headlight -MX2- ♦ Right headlight main beam bulb -M32-	56a
34	-	Fuse 34 on fuse holder C -SC34-	10A	Dash panel insert -K- Onboard supply control unit -J519- Front left headlight -MX1- ♦ Left headlight main beam bulb -M30-	56a
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	25A 20A <sup>1)</sup>	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ♦ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41- Operating unit for window regulator in driver door -E512- <sup>1)</sup> Driver side central locking lock unit -F220-	15

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ♦ Treble horn -H2- ♦ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ♦ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ♦ Left tail light -MX3- ♦ Left reversing light bulb -M16- ♦ Right tail light -MX4- ♦ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Operating unit for window regulator in driver door -E512- Driver side central locking lock unit -F220- 1)	15

1) Only right-hand drive models

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## 1.12 Fuse assignment of fuse holder C -SC- , from August 2016

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	Fuse 3 on fuse holder C -SC3-	7.5A	Reversing camera -R189-	30
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	Fuse 11 on fuse holder C -SC11-	7.5A	Daytime running light switch-on relay -J90- 2)	15
12	-	not assigned	-		-
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939- Steering column electronics control unit -J527-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Interior light	30
28	-	Fuse 28 on fuse holder C -SC28-	10A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	not assigned	-		-
34	-	not assigned	-		-
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	20A	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ♦ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41- Operating unit for window regulator in driver door -E512- 1) Driver side central locking lock unit -F220-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ♦ Treble horn -H2- ♦ Bass horn -H7-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ♦ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ♦ Left tail light -MX3- ♦ Left reversing light bulb -M16- ♦ Right tail light -MX4- ♦ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Operating unit for window regulator in driver door -E512- Driver side central locking lock unit -F220- <sup>1)</sup>	15

1) Only right-hand drive models

2) According to equipment

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### 1.13 Fuse assignment for fuse holder C -SC-, from November 2016

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	Fuse 3 on fuse holder C -SC3-	7.5A	Reversing camera -R189-	30
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15



No.		Current flow diagram designation	Nominal value	Function/component	Terminal
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	not assigned	-		-
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939- Steering column electronics control unit -J527-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Interior light	30
28	-	Fuse 28 on fuse holder C -SC28-	10A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	not assigned	-		-
34	-	not assigned	-		-
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	20A	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ♦ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41- Operating unit for window regulator in driver door -E512- 1) Driver side central locking lock unit -F220-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ♦ Treble horn -H2- ♦ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ♦ Wiper motor control unit -J400-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ◆ Left tail light -MX3- ◆ Left reversing light bulb -M16- ◆ Right tail light -MX4- ◆ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Operating unit for window regulator in driver door -E512- Driver side central locking lock unit -F220- <sup>1)</sup>	15

<sup>1)</sup> Only right-hand drive models

<sup>2)</sup> According to equipment

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## 1.14 Fuse assignment for fuse holder C -SC- , from November 2017

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	Fuse 3 on fuse holder C -SC3-	7.5A	Reversing camera -R189-	30
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	not assigned	-		-
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	10A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939- Steering column electronics control unit -J527-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Interior light	30
28	-	Fuse 28 on fuse holder C -SC28-	10A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	not assigned	-		-

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
34	-	not assigned	-		-
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	20A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	20A	Onboard supply control unit -J519- ◆ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	10A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ◆ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41- Operating unit for window regulator in driver door -E512- 1) Driver side central locking lock unit -F220-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ◆ Treble horn -H2- ◆ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ◆ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ◆ Left tail light -MX3- ◆ Left reversing light bulb -M16- ◆ Right tail light -MX4- ◆ Right reversing light bulb -M17-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
51	-	Fuse 51 on fuse holder C -SC51-	30A	Operating unit for window regulator in driver door -E512- Driver side central locking lock unit -F220- <sup>1)</sup>	15

<sup>1)</sup> Only right-hand drive models

<sup>2)</sup> According to equipment

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### 1.15 Fuse assignment for fuse holder C -SC- , from July 2018

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	Fuse 3 on fuse holder C -SC3-	7.5A	Reversing camera -R189-	30
4	-	not assigned			-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Centre switch module 2 in dash panel -EX35- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	not assigned	-		-
12	-	not assigned	-		-
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	15A	Light switch -E1-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Emergency braking function sensor unit -J939- Steering column electronics control unit -J527-	15
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Interior light	30
28	-	Fuse 28 on fuse holder C -SC28-	10A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	not assigned	-		-
34	-	not assigned	-		-
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	15A	Radio -R-	30
39	-	Fuse 39 on fuse holder C -SC39-	30A	Sliding sunroof adjustment control unit -J245-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	20A	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	20A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ♦ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41- Operating unit for window regulator in driver door -E512- <sup>1)</sup> Driver side central locking lock unit -F220-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ♦ Treble horn -H2- ♦ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ♦ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ♦ Left tail light -MX3- ♦ Left reversing light bulb -M16- ♦ Right tail light -MX4- ♦ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Operating unit for window regulator in driver door -E512- Driver side central locking lock unit -F220- <sup>1)</sup>	15

<sup>1)</sup> Only right-hand drive models

<sup>2)</sup> According to equipment



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## 1.16 Fuse assignment of fuse holder C -SC- , from August 2019

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
1	-	Fuse 1 on fuse holder C -SC1-	7.5A	Dash panel insert -K- Engine/motor control unit -J623-	15
2	-	Fuse 2 on fuse holder C -SC2-	7.5A	High-voltage battery 1 -AX2- Diagnostic connection -U31-	15
3	-	Fuse 3 on fuse holder C -SC3-	7.5A	Reversing camera -R189-	30
4	-	not assigned	-		-
5	-	Fuse 5 on fuse holder C -SC5-	7.5A	Steering column electronics control unit -J527- Onboard supply control unit -J519-	15
6	-	Fuse 6 on fuse holder C -SC6-	7.5A	Mirror adjustment switch -E43- Headlight range control regulator -E102- Left headlight range control motor -V48- Right headlight range control motor -V49-	15
7	-	Fuse 7 on fuse holder C -SC7-	10A	Power and control electronics for electric drive -JX1-	30
8	-	Fuse 8 on fuse holder C -SC8-	7.5A	Selector lever -E313- Brake servo control unit -J539- Charge voltage control unit for high-voltage battery -J966- Power and control electronics for electric drive -JX1-	15
9	-	Fuse 9 on fuse holder C -SC9-	7.5A	Warning lamp for airbag deactivated on front passenger side -K145- Airbag control unit -J234-	15
10	-	Fuse 10 on fuse holder C -SC10-	7.5A	Parking aid control unit -J446-	15
11	-	Fuse 11 on fuse holder C -SC11-	7.5A	Front camera for driver assist systems -R242-	15
12	-	not assigned	-		-
13	-	not assigned	-		-
14	-	Fuse 14 on fuse holder C -SC14-	15A	Rear window wiper motor -V12-	75
15	-	Fuse 15 on fuse holder C -SC15-	10A	Light switch -E1-	30
16	-	Fuse 16 on fuse holder C -SC16-	7.5A	Terminal 15 voltage supply relay -J329- Power steering control unit -J500-	15
17	-	Fuse 17 on fuse holder C -SC17-	15A	Steering column electronics control unit -J527-	15
18	-	Fuse 18 on fuse holder C -SC18-	15A	Charging unit 1 for high-voltage battery -AX4-	30
19	-	not assigned	-		-
20	-	Fuse 20 on fuse holder C -SC20-	7.5A	ABS control unit -J104- Steering column electronics control unit -J527-	15

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
21	-	not assigned	-		-
22	-	not assigned	-		-
23	-	Fuse 23 on fuse holder C -SC23-	7.5A	Engine/motor control unit -J623-	30
24	-	Fuse 24 on fuse holder C -SC24-	15A	Steering column electronics control unit -J527- ♦ Headlight flasher switch -E5-	30
25	-	Fuse 25 on fuse holder C -SC25-	10A	Windscreen and rear window washer pump -V59-	53c
26	-	Fuse 26 on fuse holder C -SC26-	7.5A	Main relay -J271- Dash panel insert -K-	30
27	-	Fuse 27 on fuse holder C -SC27-	7.5A	Onboard supply control unit -J519- ♦ Interior light	30
28	-	Fuse 28 on fuse holder C -SC28-	7.5A	Diagnostic connection -U31-	30
29	-	Fuse 29 on fuse holder C -SC29-	7.5A	Onboard supply control unit -J519-	30
30	-	Fuse 30 on fuse holder C -SC30-	7.5A	Onboard supply control unit -J519- ♦ Heated exterior mirror on driver side -Z4- ♦ Heated exterior mirror on passenger side -Z5-	30
31	-	Fuse 31 on fuse holder C -SC31-	10A	Radiator fan -V7-	87
32	-	Fuse 32 on fuse holder C -SC32-	15A	Onboard supply control unit -J519- ♦ Turn signal/brake light	30
33	-	not assigned	-		-
34	-	not assigned	-		-
35	-	not assigned	-		-
36	-	Fuse 36 on fuse holder C -SC36-	20A	Cigarette lighter -U1-	75
37	-	Fuse 37 on fuse holder C -SC37-	15A	Engine sound generator control unit -J943-	15
38	-	Fuse 38 on fuse holder C -SC38-	20A	Radio -R-	30
39	-	not assigned	-		-
40	-	Fuse 40 on fuse holder C -SC40-	15A	Engine/motor control unit -J623-	87
41	-	Fuse 41 on fuse holder C -SC41-	20A	Onboard supply control unit -J519- ♦ Central locking	30
42	-	Fuse 42 on fuse holder C -SC42-	20A	Coolant pump for high-temperature circuit -V467- Coolant circulation pump before power and control electronics for electric drive -V508-	87

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
43	-	Fuse 43 on fuse holder C -SC43-	20A	Centre switch module in dash panel -EX22- Centre switch module 2 in dash panel -EX35- Heated front seats control unit -J774-	75
44	-	Fuse 44 on fuse holder C -SC44-	7.5A	High-voltage battery 1 -AX2-	30
45	-	Fuse 45 on fuse holder C -SC45-	10A	Light switch -E1-	15
46	-	Fuse 46 on fuse holder C -SC46-	30A	Onboard supply control unit -J519- ◆ Heated rear window -Z1-	30
47	-	Fuse 47 on fuse holder C -SC47-	30A	Front right window regulator switch -E41- Operating unit for window regulator in driver door -E512- <sup>1)</sup> Driver side central locking lock unit -F220-	15
48	-	Fuse 48 on fuse holder C -SC48-	20A	Onboard supply control unit -J519- ◆ Treble horn -H2- ◆ Bass horn -H7-	30
49	-	Fuse 49 on fuse holder C -SC49-	30A	Onboard supply control unit -J519- ◆ Wiper motor control unit -J400-	30
50	-	Fuse 50 on fuse holder C -SC50-	20A	Onboard supply control unit -J519- ◆ Left tail light -MX3- ◆ Left reversing light bulb -M16- ◆ Right tail light -MX4- ◆ Right reversing light bulb -M17-	30
51	-	Fuse 51 on fuse holder C -SC51-	30A	Operating unit for window regulator in driver door -E512- Driver side central locking lock unit -F220- <sup>1)</sup>	15

<sup>1)</sup> Only right-hand drive models

<sup>2)</sup> According to equipment

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## 1.17 Fitting location of fuse holder D -SD-



### Note

The fitting locations are identical on LHD and RHD models.

### A - Fuse holder D -SD-

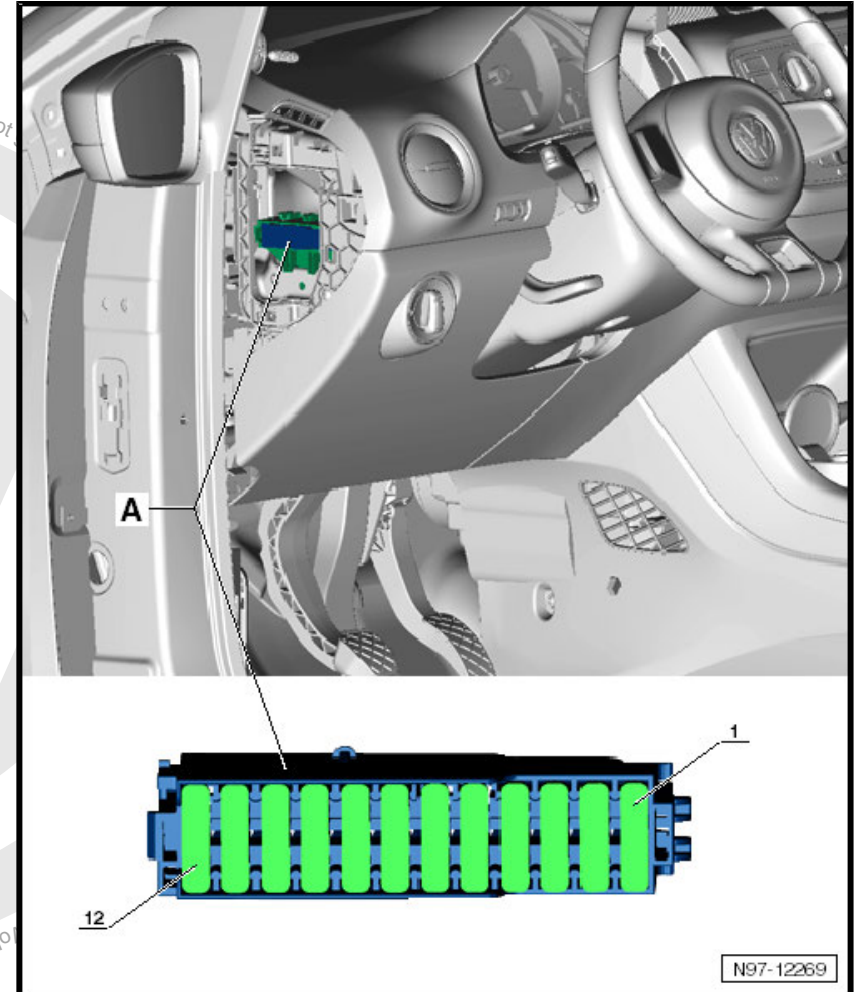


### Note

Fuse SD6 is labelled with a rescue marking. When changing this fuse, an emergency marking must be affixed to it.

### Fuse colours:

- ◆ 50 A - red
- ◆ 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
- ◆ 3 A - violet



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## 1.18 Fuse assignment for fuse holder D -SD- , from July 2013

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SD 1	-	Fuse 1 on fuse holder D -SD1-	7.5A	Emergency call module control unit and communication unit -J949-	30
SD 2	-	Fuse 1 on fuse holder D -SD1-	30A	Brake system pressure accumulator -VX70-	30
SD 3	-	Fuse 3 on fuse holder D -SD3-	7.5A	Ignition key withdrawal lock solenoid valve -N334-	30
SD 4	-	Fuse 4 on fuse holder D -SD4-	20A	Blower relay -J323-	30
SD 5	-	Fuse 5 on fuse holder D -SD5-	7.5A	Climatronic relay -J254-	30
SD 6	-	Fuse 6 on fuse holder D -SD6-	10A	Emergency cut-out connection Maintenance connector for high-voltage system -TW-	30
SD 7	-	Fuse 7 on fuse holder D -SD7-	20A	Climatronic control unit -J255-	30
SD 8	-	Fuse 8 on fuse holder D -SD8-	20A	Selector lever -E313- Charge voltage control unit for high-voltage battery -J966-	30
SD 9	-	Fuse 9 on fuse holder D -SD9-	15A	Onboard supply control unit -J519- ♦ Dipped beam/daytime running lights/main beam	30
SD 10	-	Fuse 10 on fuse holder D -SD10-	15A	Onboard supply control unit -J519- ♦ Dipped beam/daytime running lights/main beam	30
SD 11	-	Fuse 11 on fuse holder D -SD11-	30A	Heated windscreen relay -J47-	30
SD 12	-	Fuse 12 on fuse holder D -SD12-	30A	Heated windscreen relay 2 -J611-	30

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## 1.19 Fuse assignment for fuse holder D -SD- , from May 2014

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SD 1	-	Fuse 1 on fuse holder D -SD1-	7.5A	Emergency call module control unit and communication unit -J949-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SD 2	-	Fuse 1 on fuse holder D -SD1-	30A	Brake system pressure accumulator -VX70-	30
SD 3	-	Fuse 3 on fuse holder D -SD3-	7.5A	Ignition key withdrawal lock solenoid valve -N334-	30
SD 4	-	Fuse 4 on fuse holder D -SD4-	20A	Blower relay -J323-	30
SD 5	-	Fuse 5 on fuse holder D -SD5-	7.5A	Climatronic relay -J254-	30
SD 6	-	Fuse 6 on fuse holder D -SD6-	10A	Emergency cut-out connection Maintenance connector for high-voltage system -TW-	30
SD 7	-	Fuse 7 on fuse holder D -SD7-	7.5A	Climatronic control unit -J255-	30
SD 8	-	Fuse 8 on fuse holder D -SD8-	7.5A	Selector lever -E313- Charge voltage control unit for high-voltage battery -J966-	30
SD 9	-	Fuse 9 on fuse holder D -SD9-	15A	Onboard supply control unit -J519- ♦ Dipped beam/daytime running lights/main beam	30
SD 10	-	Fuse 10 on fuse holder D -SD10-	15A	Onboard supply control unit -J519- ♦ Dipped beam/daytime running lights/main beam	30
SD 11	-	Fuse 11 on fuse holder D -SD11-	30A	Heated windscreen relay -J47-	30
SD 12	-	Fuse 12 on fuse holder D -SD12-	30A	Heated windscreen relay 2 -J611-	30

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## 1.20 Fuse assignment of fuse holder D -SD- , from August 2016

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SD 1	-	Fuse 1 on fuse holder D -SD1-	7.5A	Emergency call module control unit and communication unit -J949-	30
SD 2	-	Fuse 1 on fuse holder D -SD1-	30A	Brake system pressure accumulator -VX70-	30
SD 3	-	Fuse 3 on fuse holder D -SD3-	7.5A	Ignition key withdrawal lock solenoid valve -N334-	30
SD 4	-	Fuse 4 on fuse holder D -SD4-	20A	Blower relay -J323-	30

No.		Current flow diagram designation	Nominal value	Function/component	Terminal
SD 5	-	Fuse 5 on fuse holder D -SD5-	7.5A	Climatronic relay -J254-	30
SD 6	-	Fuse 6 on fuse holder D -SD6-	10A	Emergency cut-out connection Maintenance connector for high-voltage system -TW-	30
SD 7	-	Fuse 7 on fuse holder D -SD7-	7.5A	Climatronic control unit -J255-	30
SD 8	-	Fuse 8 on fuse holder D -SD8-	7.5A	Selector lever -E313- Rain and light sensor -G397- Charge voltage control unit for high-voltage battery -J966-	30
SD 9	-	Fuse 9 on fuse holder D -SD9-	15A	Onboard supply control unit -J519- ♦ Dipped beam/daytime running lights/main beam	30
SD 10	-	Fuse 10 on fuse holder D -SD10-	15A	Onboard supply control unit -J519- ♦ Dipped beam/daytime running lights/main beam	30
SD 11	-	Fuse 11 on fuse holder D -SD11-	30A	Heated windscreen relay -J47-	30
SD 12	-	Fuse 12 on fuse holder D -SD12-	30A	Heated windscreen relay 2 -J611-	30

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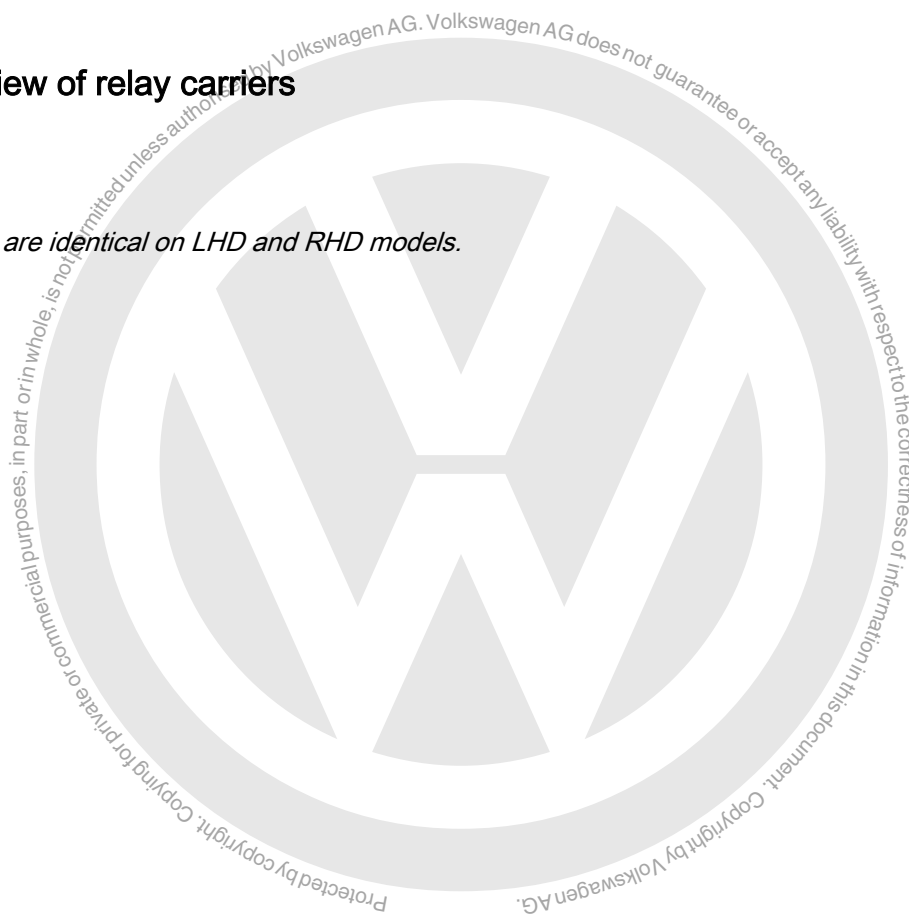
## 1 Relays

### 1.1 Overview of relay carriers



#### Note

*The fittings locations are identical on LHD and RHD models.*





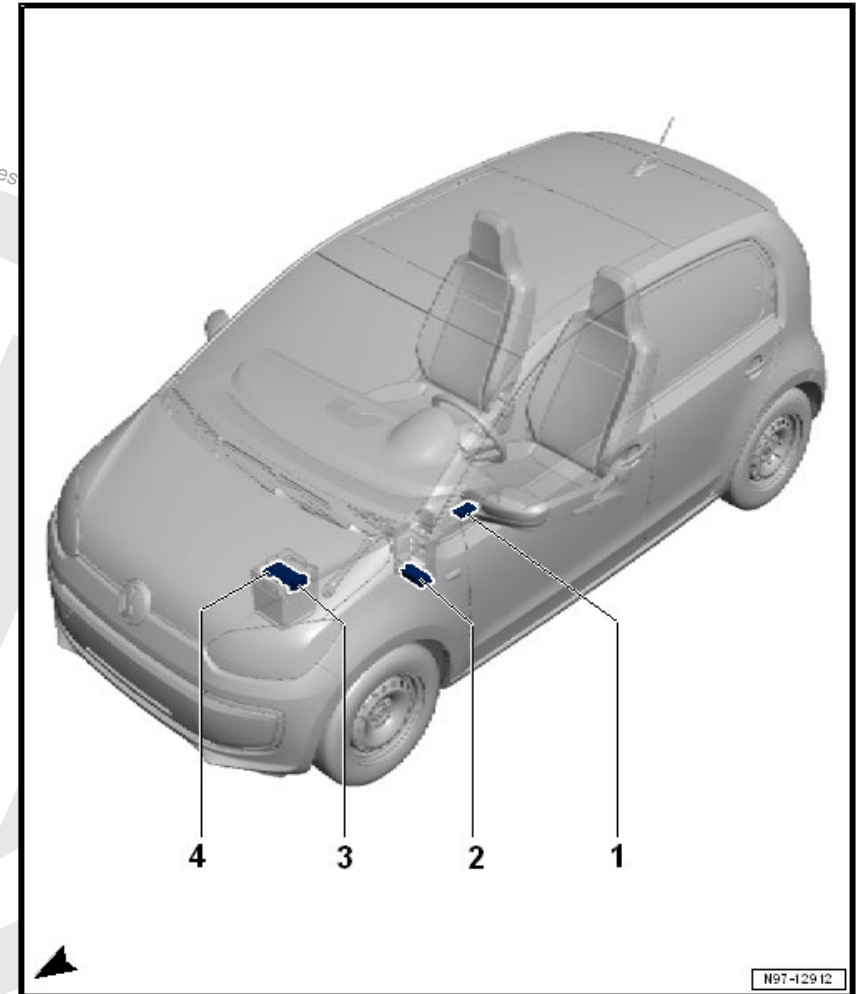
**1 - Not installed**

**2 - Relay and fuse carrier 1 -SR1-**

- ◆ Heated windscreen relay -J47-
- ◆ Daytime running light switch-on relay -J90-
- ◆ Climatronic relay -J254-
- ◆ Main relay -J271-
- ◆ Blower relay -J323-
- ◆ Terminal 15 voltage supply relay -J329-
- ◆ Heated windscreen relay 2 -J611-
- ◆ Terminal 75 voltage supply relay 1 -J680-
  - ❑ Fitting locations and relay assignment, LHD, from July 2013 ⇒ [page 3](#)
  - ❑ Fitting locations and relay assignment, LHD, from August 2016 ⇒ [page 4](#)
  - ❑ Fitting locations and relay assignment, RHD, from July 2013 ⇒ [page 5](#)
  - ❑ Fitting locations and relay assignment, RHD, from August 2016 ⇒ [page 6](#)

**3 - Not installed**

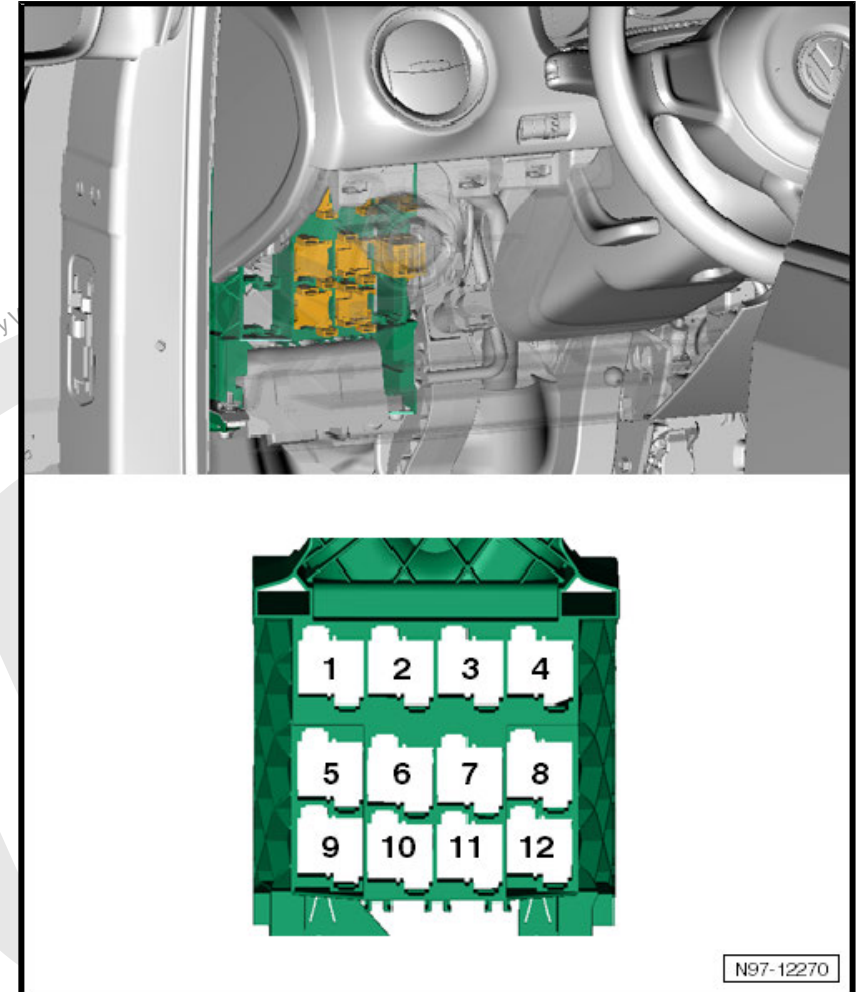
**4 - Not installed**



## 1.2 Location and position of relays Relay and fuse carrier 1 -SR1-

### 1.2.1 Fitting location and relay assignment of relay and fuse carrier 1 -SR1- , left-hand drive models, from July 2013

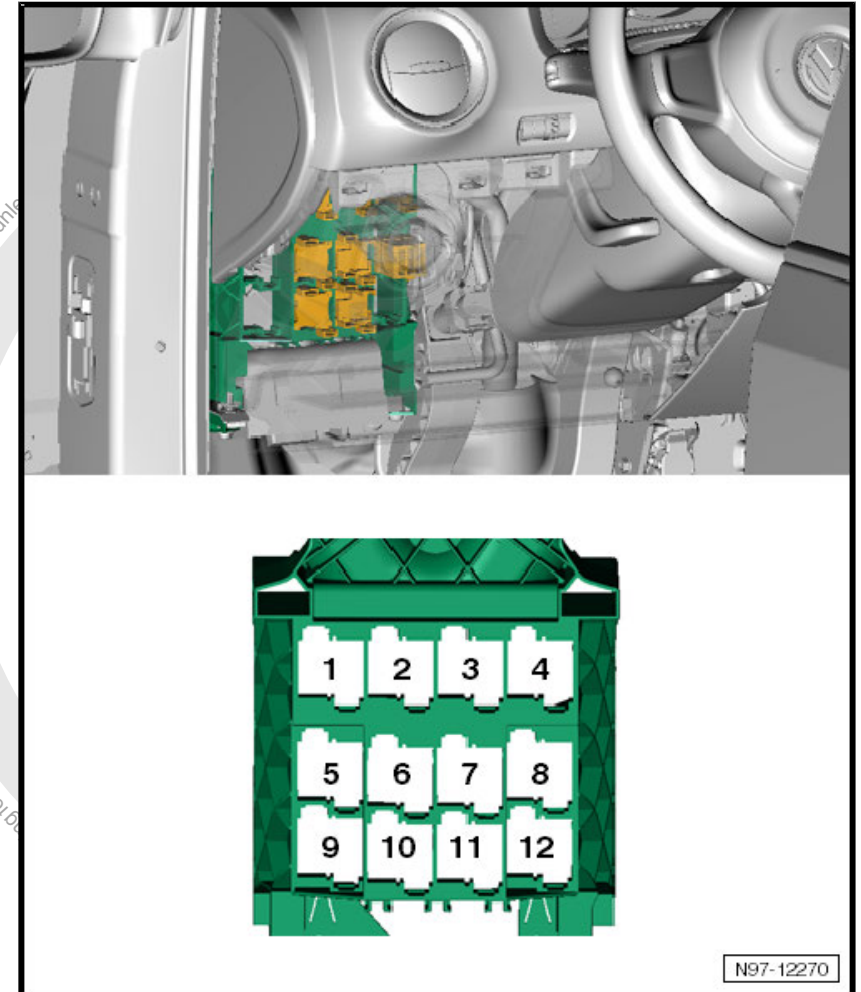
- 1 - Terminal 75 voltage supply relay 1 -J680-
- 2 - Terminal 15 voltage supply relay -J329-
- 3 - Heated windscreen relay -J47-
- 4 - Main relay -J271-
- 5 - not assigned
- 6 - Heated windscreen relay 2 -J611-
- 7 - Climatronic relay -J254-
- 8 - not assigned
- 9 - not assigned
- 10 - Blower relay -J323-
- 11 - not assigned
- 12 - not assigned



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## 1.2.2 Fitting location and relay assignment of relay and fuse carrier 1 -SR1- , left-hand drive models, from August 2016

- 1 - Terminal 75 voltage supply relay 1 -J680-
- 2 - Terminal 15 voltage supply relay -J329-
- 3 - Heated windscreen relay -J47-
- 4 - Main relay -J271-
- 5 - not assigned
- 6 - Heated windscreen relay 2 -J611-
- 7 - Climatronic relay -J254-
- 8 - not assigned
- 9 - Daytime running light switch-on relay -J90-
  - ☐ Slot 9, left
  - ☐ applicable up to November 2016
  - ☐ According to equipment
- 9 - not assigned
  - ☐ Slot 9, right
- 10 - Blower relay -J323-
- 11 - not assigned
- 12 - not assigned



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### 1.2.3 Fitting location and relay assignment of relay and fuse carrier 1 -SR1- , right-hand drive models, from July 2013

- 1 - Terminal 75 voltage supply relay 1 -J680-
- 2 - Terminal 15 voltage supply relay -J329-
- 3 - Heated windscreen relay -J47-
- 4 - Main relay -J271-
- 5 - not assigned
- 6 - Heated windscreen relay 2 -J611-
- 7 - Climatronic relay -J254-
- 8 - not assigned
- 9 - not assigned
- 10 - Blower relay -J323-
- 11 - not assigned
- 12 - not assigned



N97-12423

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## 1.2.4 Fitting location and relay assignment of relay and fuse carrier 1 -SR1- , right-hand drive models, from August 2016

- 1 - Terminal 75 voltage supply relay 1 -J680-
- 2 - Terminal 15 voltage supply relay -J329-
- 3 - Heated windscreen relay -J47-
- 4 - Main relay -J271-
- 5 - not assigned
- 6 - Heated windscreen relay 2 -J611-
- 7 - Climatronic relay -J254-
- 8 - not assigned
- 9 - Daytime running light switch-on relay -J90-
  - ☐ Slot 9, left
  - ☐ applicable up to November 2016
  - ☐ According to equipment
- 9 - not assigned
  - ☐ Slot 9, right
- 10 - Blower relay -J323-
- 11 - not assigned
- 12 - not assigned



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## 1 Control units in front part of vehicle

### 1.1 Overview of control units

#### 1 - Power and control electronics for electric drive -JX1-

- ☐ Fitting location ⇒ [page 2](#)

#### 2 - Engine/motor control unit -J623-

- ☐ Fitting location ⇒ [page 3](#)

#### 3 - Brake servo control unit -J539-

- ☐ Fitting location left-hand drive ⇒ [page 5](#)
- ☐ Fitting location right-hand drive ⇒ [page 6](#)

#### 4 - Wiper motor control unit -J400-

- ☐ Fitting location left-hand drive ⇒ [page 8](#)
- ☐ Fitting location right-hand drive ⇒ [page 10](#)

#### 5 - ABS control unit -J104-

- ☐ Fitting location ⇒ [page 11](#)

#### 6 - High-voltage heater (PTC) -Z115-

- ☐ Fitting location ⇒ [page 13](#)

#### 7 - Charging unit 1 for high-voltage battery -AX4- , with 28-pin connector -T28-

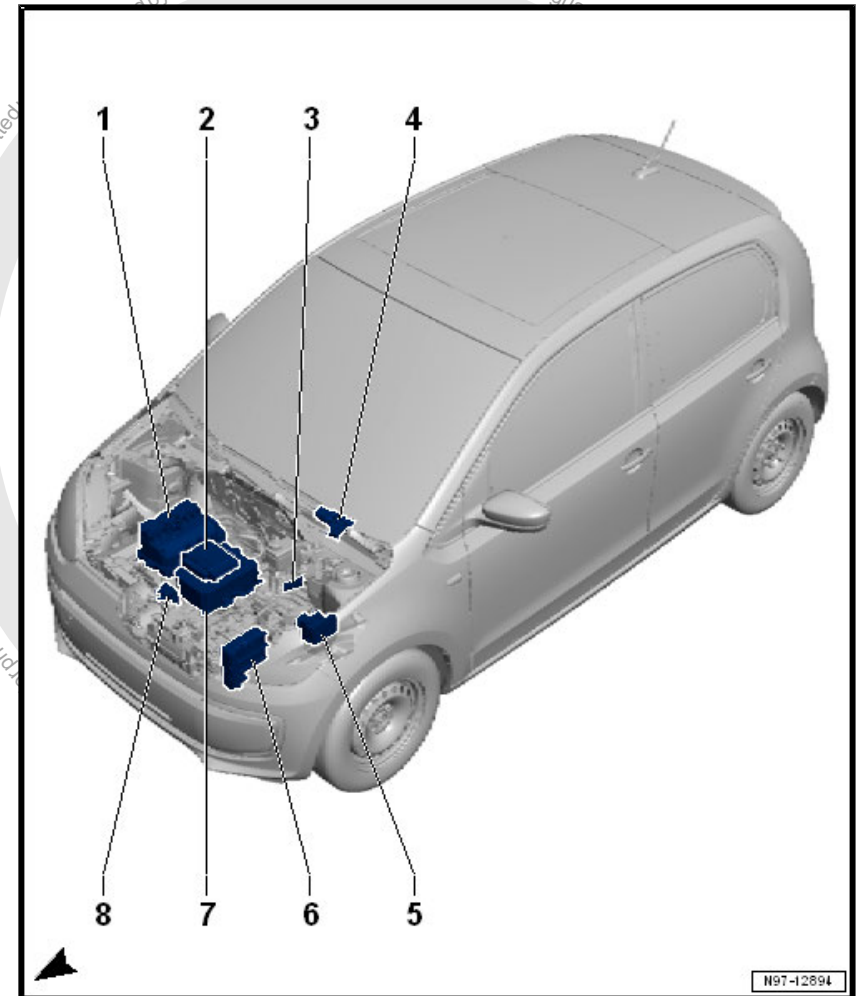
- ☐ Control unit for high-voltage battery charging unit -J1050-
- ☐ Fitting location ⇒ [page 15](#)

#### Charging unit 1 for high-voltage battery -AX4- , with 60-pin connector -T60-

- ☐ Control unit for high-voltage battery charging unit -J1050-
- ☐ Fitting location ⇒ [page 17](#)

#### 8 - Control unit for air conditioning compressor -J842-

- ☐ Fitting location ⇒ [page 20](#)



## 1.2 Power and control electronics for electric drive -JX1-

### Fitting location:

On right in engine compartment

### 1- Power and control electronics for electric drive -JX1-

#### A - 80-pin connector -T80-

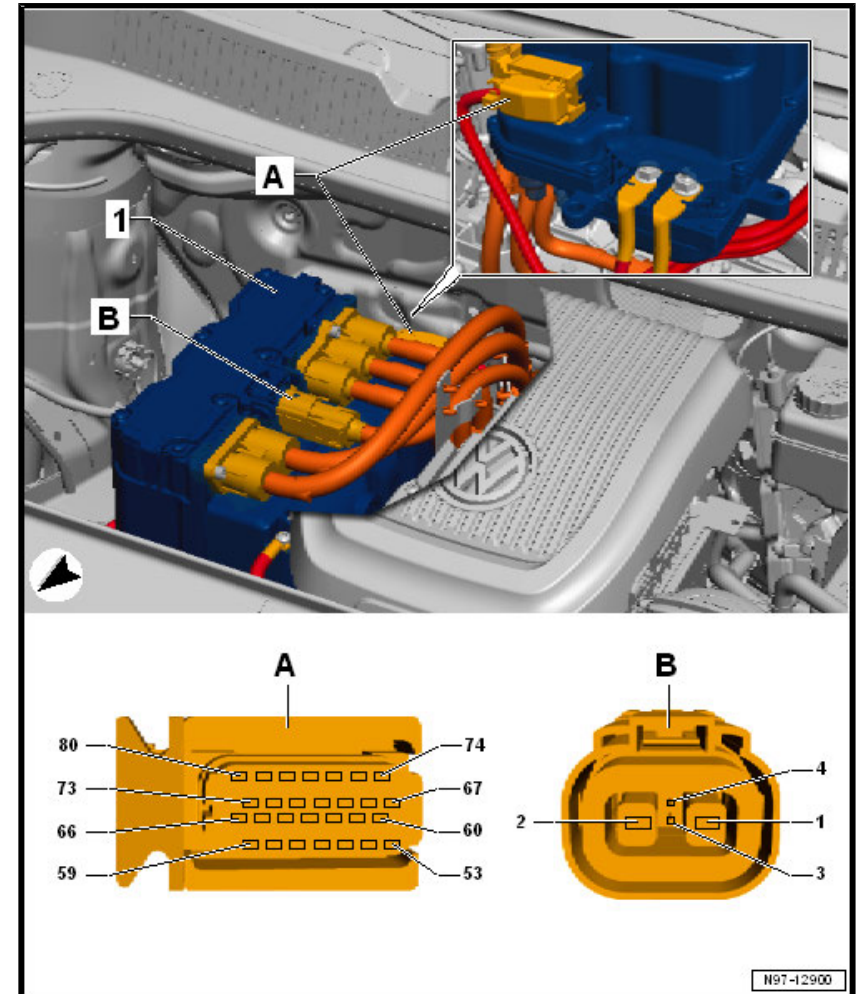


#### Note

Connector T80 is a 28-pin connector

#### B - 5-pin connector -T5f-

- High-voltage wire for charging unit 1/wiring junction - P12



Connector assignment for power and control electronics for electric drive -JX1-

-T80- (A)	Designation	-T80- (A)	Designation	-T5f- (B)	Designation
53	Hybrid CAN bus, low	67		1	HV EKK +
54	Hybrid CAN bus high	68		2	HV EKK -
55	Terminal 30	69		3	Pilot In
56	Terminal 15	70		4	Pilot Out
57		71		5	HV EKK shield
58		72	Vogt Vcc		
59		73	Vog Sin		
60	Powertrain CAN bus, low	74	Temp. EM1		
61	Powertrain CAN bus, high	75	Temp. EM GND		
62		76			
63		77	Pilot Out		
64		78	Vogt GND		
65		79	Vogt Cos		
66		80	Pilot In		

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### 1.3 Engine/motor control unit -J623-

Fitting location:

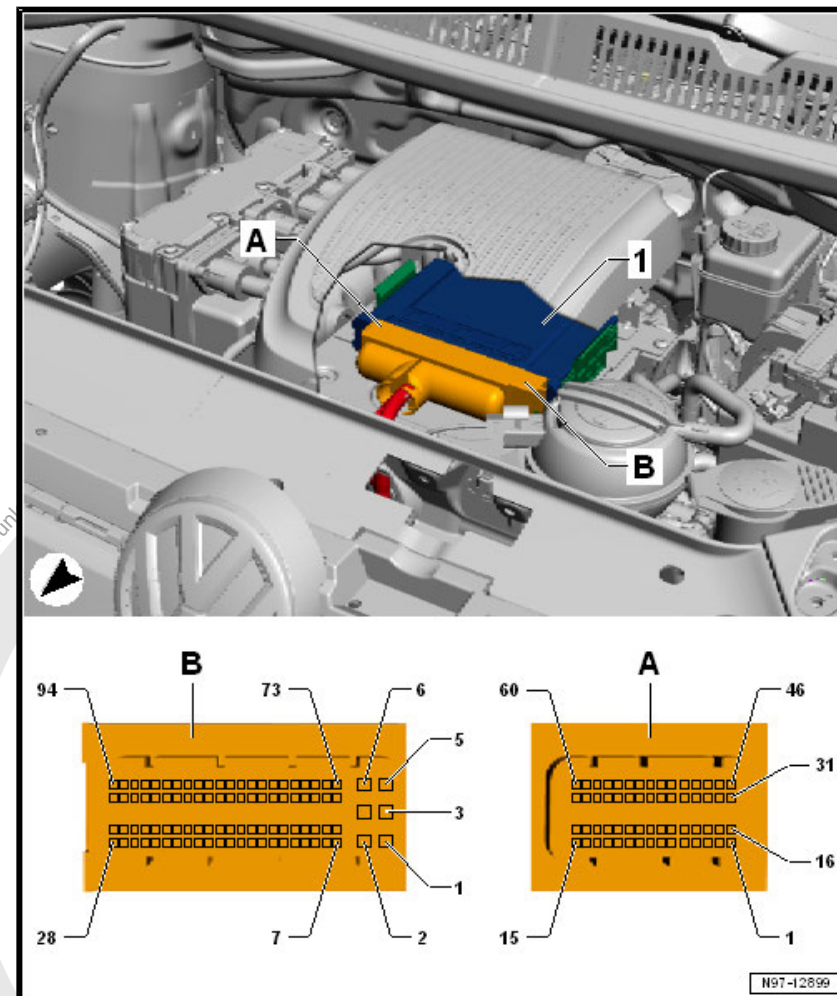
in engine compartment



1 - Engine/motor control unit -J623-

A - 60-pin connector -T60-

B - 94-pin connector -T94-



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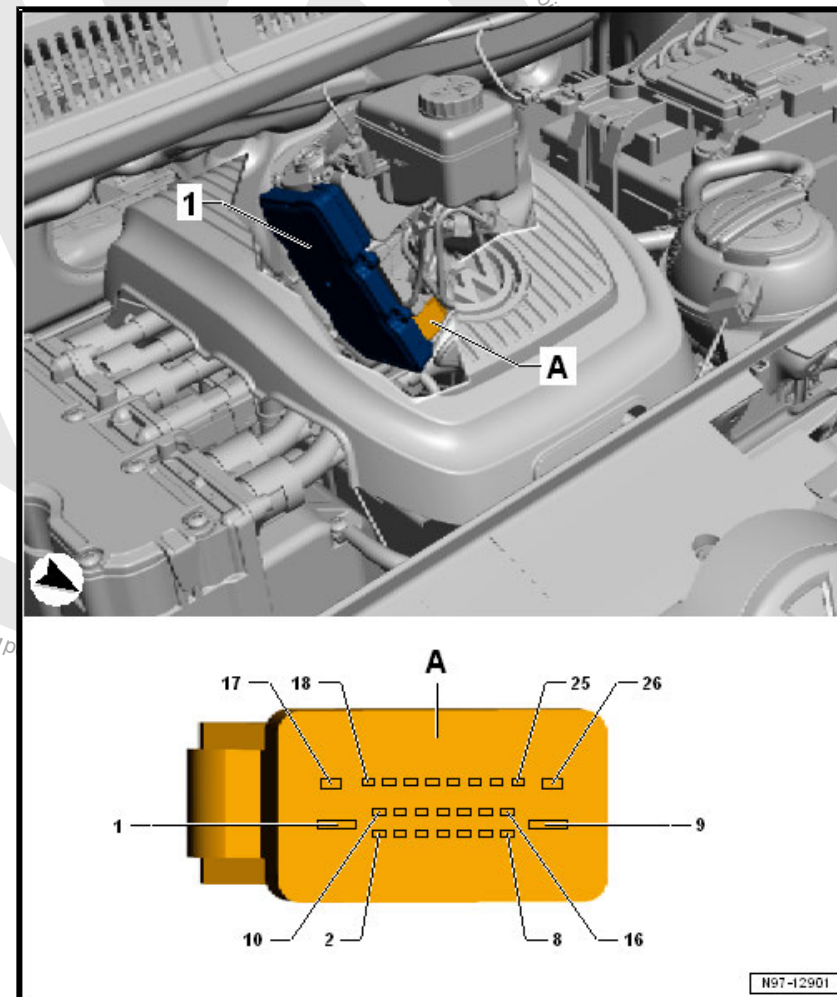
## 1.4 Brake servo control unit -J539- , left-hand drive models

Fitting location:

on left in engine compartment

1 - Brake servo control unit -J539-

A - 26-pin connector -T26-



Connector assignment of brake servo control unit -J539-

-T26- (A)	Designation	-T26- (A)	Designation
1	Terminal 30	14	
2	+5V Brake pedal position sender -G100- Brake pedal position sender 2 -G836-	15	
3		16	Powertrain CAN bus, low
4		17	Terminal 30
5		18	CAN bus, high brake system pressure accumulator -VX70-
6		19	
7		20	Terminal 15
8	GND Brake pedal position sender -G100- Brake pedal position sender 2 -G836-	21	
9	GND	22	Signal brake pedal position sender -G100-
10	CAN bus, low brake system pressure accumulator -VX70-	23	Signal brake pedal position sender 2 -G836-
11		24	Signal BLS (brake light sensor)
12		25	Powertrain CAN bus, high
13		26	

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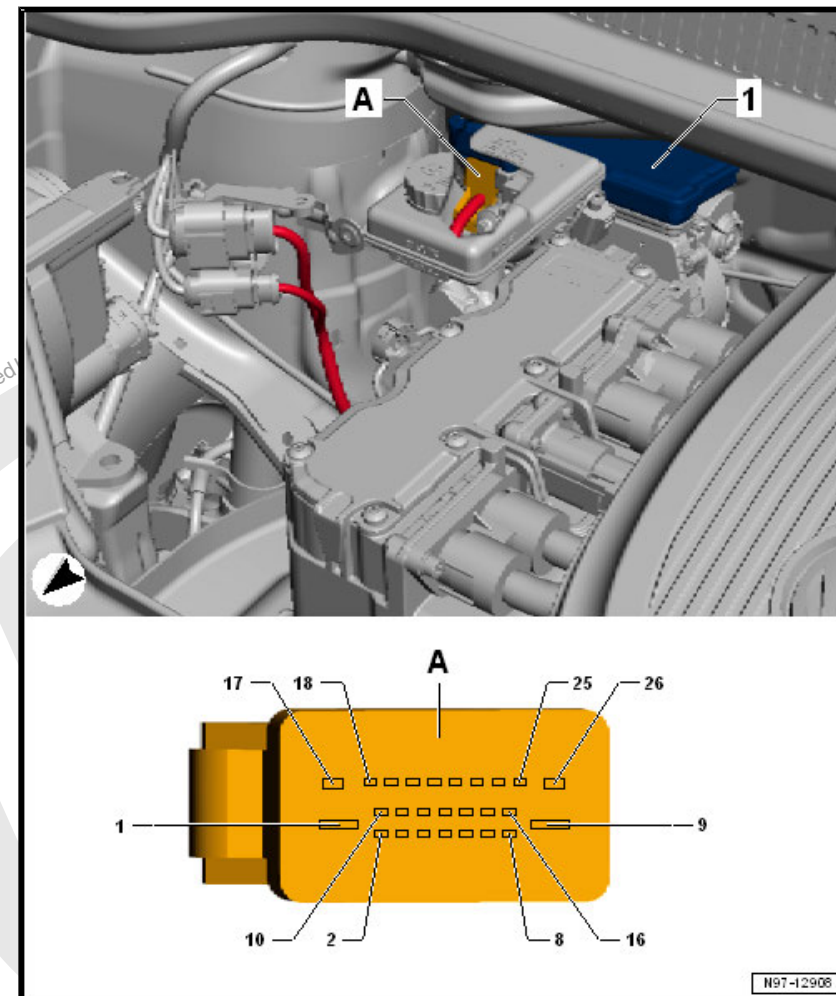
## 1.5 Brake servo control unit -J539- , right-hand drive models

Fitting location:

on right in engine compartment

1 - Brake servo control unit -J539-

A - 26-pin connector -T26-



Connector assignment of brake servo control unit -J539-

-T26- (A)	Designation	-T26- (A)	Designation
1	Terminal 30	14	
2	+5V Brake pedal position sender -G100- Brake pedal position sender 2 -G836-	15	
3		16	Powertrain CAN bus, low

-T26- (A)	Designation	-T26- (A)	Designation
4		17	Terminal 30
5		18	CAN bus, high brake system pressure accumulator -VX70-
6		19	
7		20	Terminal 15
8	GND Brake pedal position sender -G100- Brake pedal position sender 2 -G836-	21	
9	GND	22	Signal brake pedal position sender -G100-
10	CAN bus, low brake system pressure accumulator -VX70-	23	Signal brake pedal position sender 2 -G836-
11		24	Signal BLS (brake light sensor)
12		25	Powertrain CAN bus, high
13		26	

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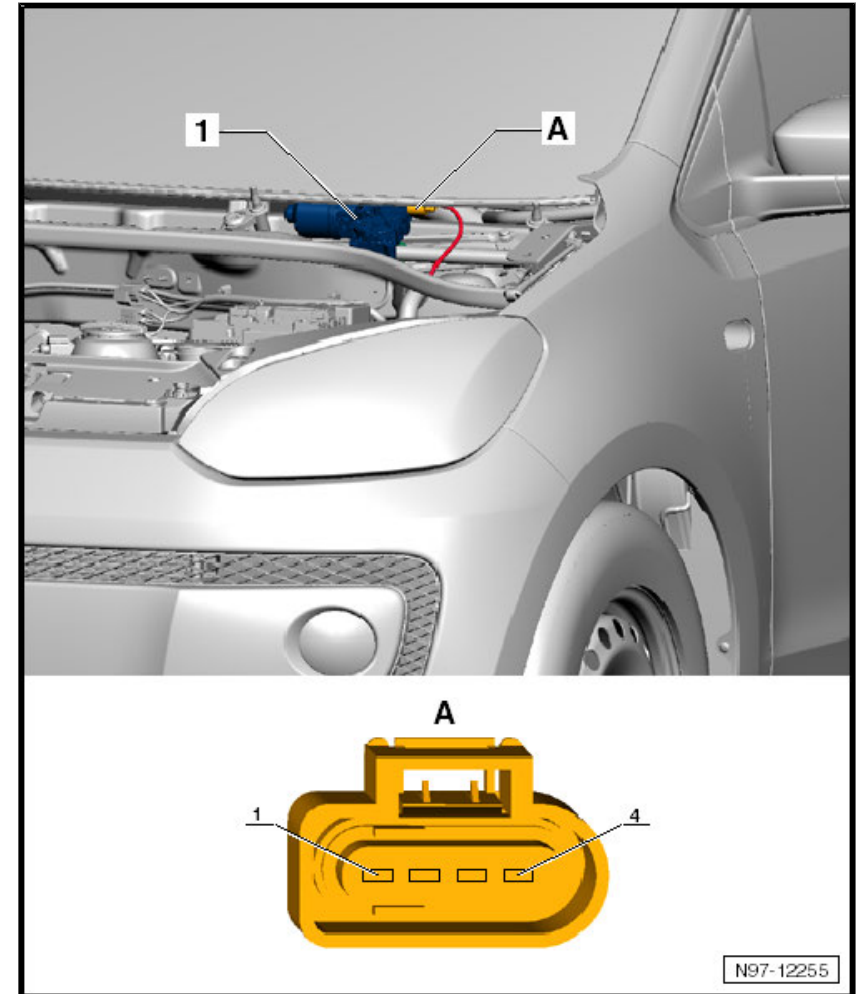
## 1.6 Wiper motor control unit -J400-, left-hand drive models

Fitting location:

on left in plenum chamber

1 - Wiper motor control unit -J400-

A - 4-pin connector -T4j-, black



**Connector assignment for wiper motor control unit -J400-**

-T4j- (A)	Designation	
1	Stage 2	
2	Stage 1	
3	Front wiper, end switch	
4	Terminal 31	



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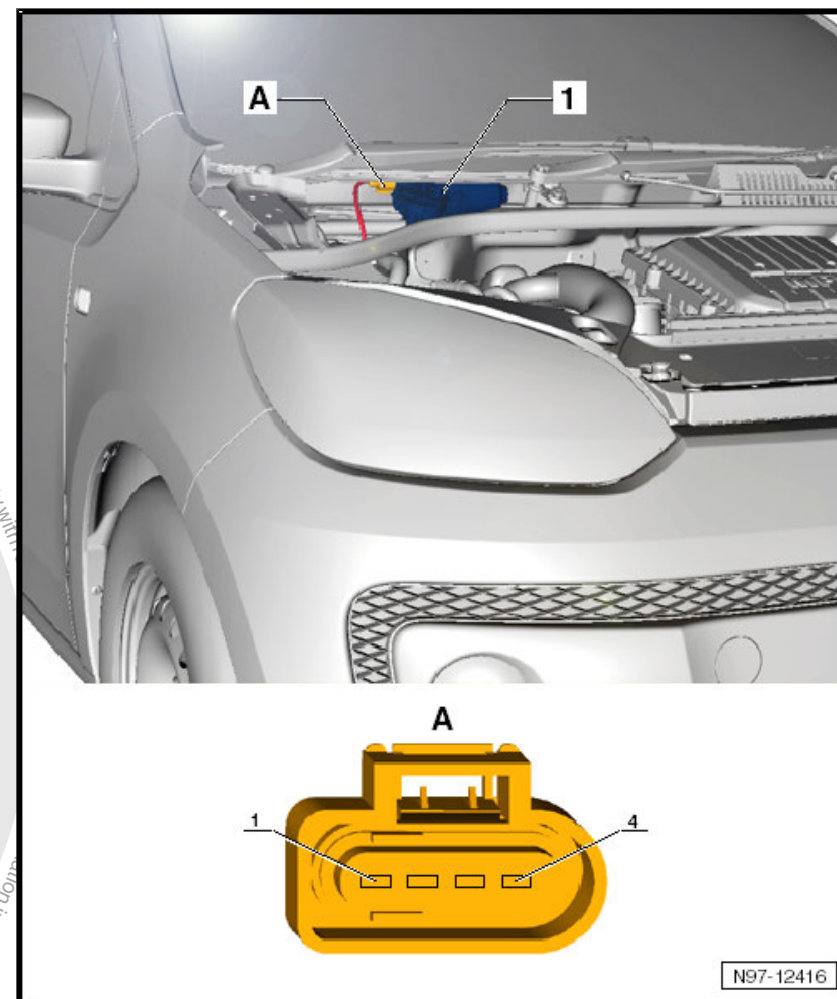
## 1.7 Wiper motor control unit -J400- , right-hand drive models

Fitting location:

on right in plenum chamber

1 - Wiper motor control unit -J400-

A - 4-pin connector -T4j- , black



Connector assignment for wiper motor control unit -J400-

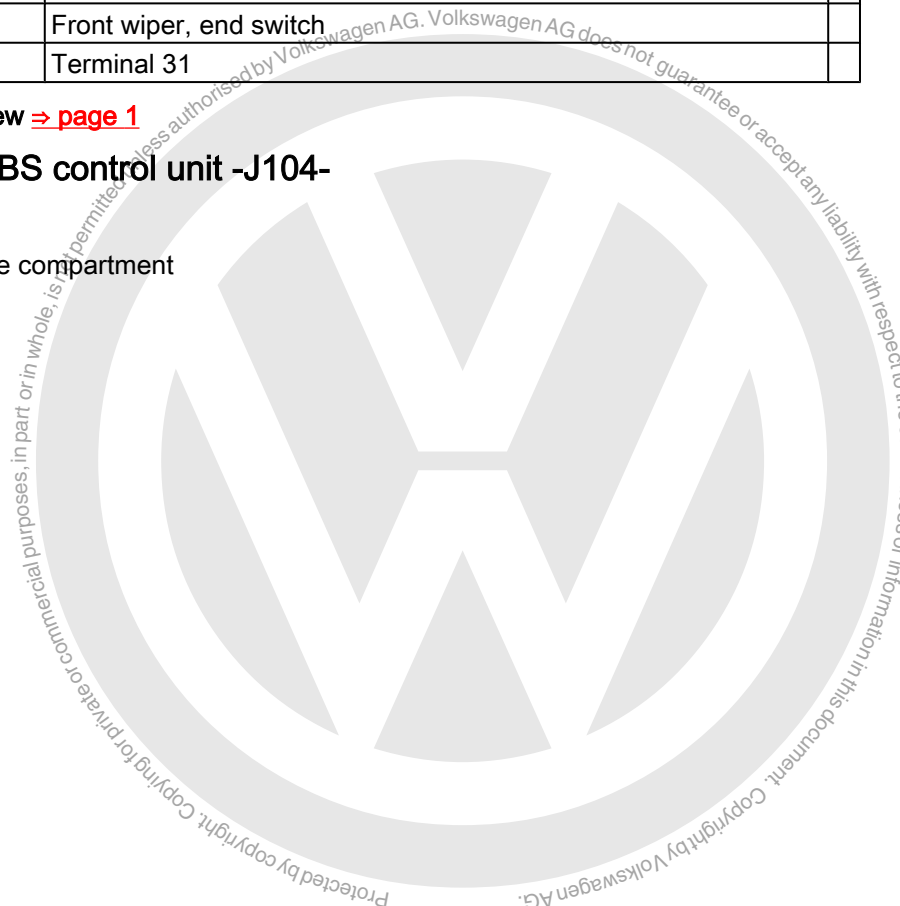
-T4j- (A)	Designation	
1	Stage 2	
2	Stage 1	
3	Front wiper, end switch	
4	Terminal 31	

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## 1.8 ABS control unit -J104-

Fitting location:

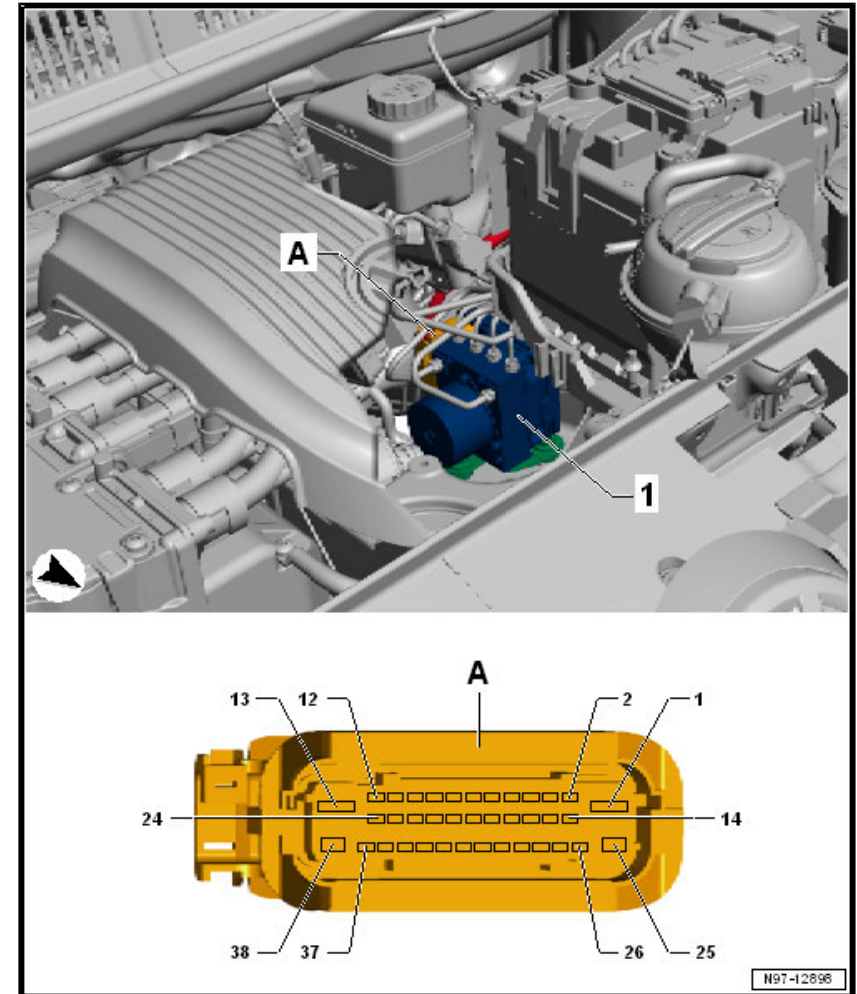
on left in engine compartment





**1 - ABS control unit -J104-**

**A - 38-pin connector -T38-**



**Connector assignment for ABS control unit -J104-**

-T38- (A)	Designation	-T38- (A)	Designation
1	Terminal 30_P	20	
2		21	
3	Rear right speed sensor -G44- , +	22	
4	Rear right speed sensor -G44- , -	23	
5		24	

-T38- (A)	Designation	-T38- (A)	Designation
6		25	Terminal 30_V
7		26	
8	Powertrain CAN bus, low	27	Terminal 30_L
9	Powertrain CAN bus, high	28	Terminal 15
10	Front right speed sensor -G45- , +	29	Rear left speed sensor -G46- , +
11	Front right speed sensor -G45- , -	30	Rear left speed sensor -G46- , -
12		31	
13	Terminal 31_P	32	
14		33	
15		34	
16		35	Front left speed sensor -G47- , +
17		36	Front left speed sensor -G47- , -
18		37	
19		38	Terminal 31_V

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## 1.9 High-voltage heater (PTC) -Z115-

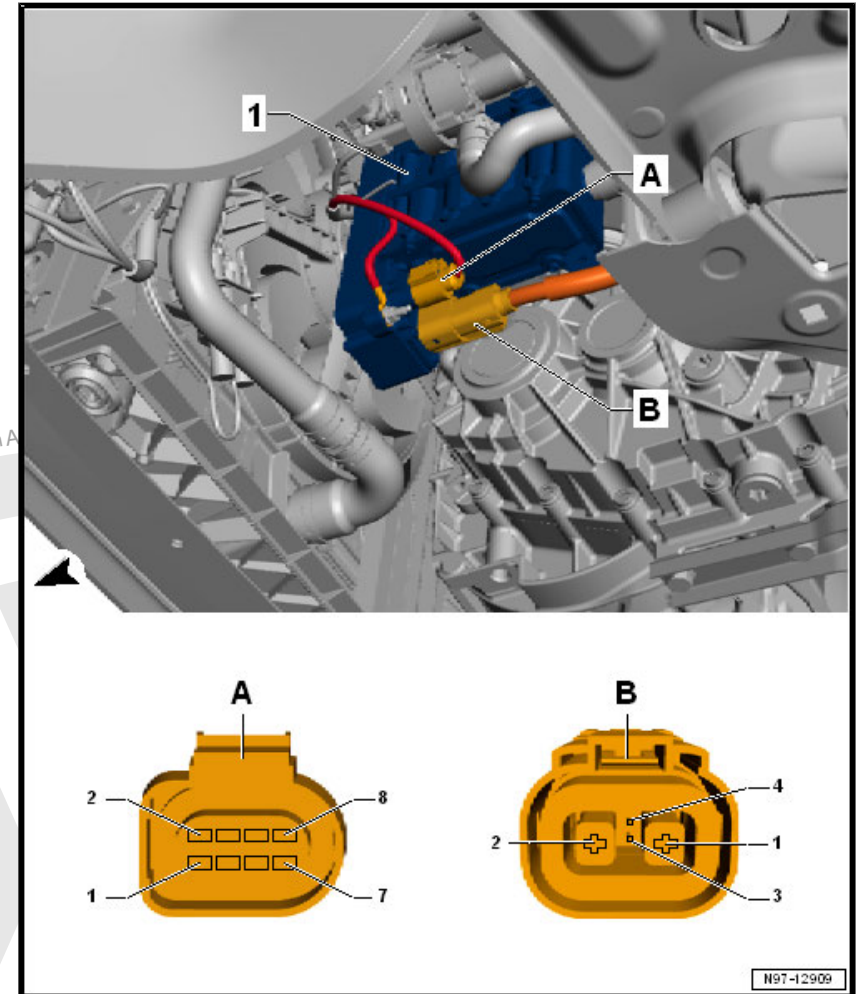
Fitting location:

on lower left in engine compartment

1 - High-voltage heater (PTC) -Z115-

A - 8-pin connector -T8-

B - 5-pin connector -T5i-



Connector assignment of high-voltage heater (PTC) -Z115-

-T8- (A)	Designation	-T5i- (B)	Designation	
1	Terminal 30	1	HV charging unit +	
2	Terminal 31	2	HV charging unit -	
3		3	Pilot In	
4	LIN	4	Pilot Out	
5	Pilot In	5	HV charging unit shield	

-T8- (A)	Designation	-T5i- (B)	Designation	
6				
7	Pilot Out			
8				

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## 1.10 Charging unit 1 for high-voltage battery -AX4- , with 28-pin connector -T28-

Fitting location:

in engine compartment

**1 - Charging unit 1 for high-voltage battery -AX4-**

- Control unit for high-voltage battery charging unit -J1050-

**A - 80-pin connector -T80a-**



Note

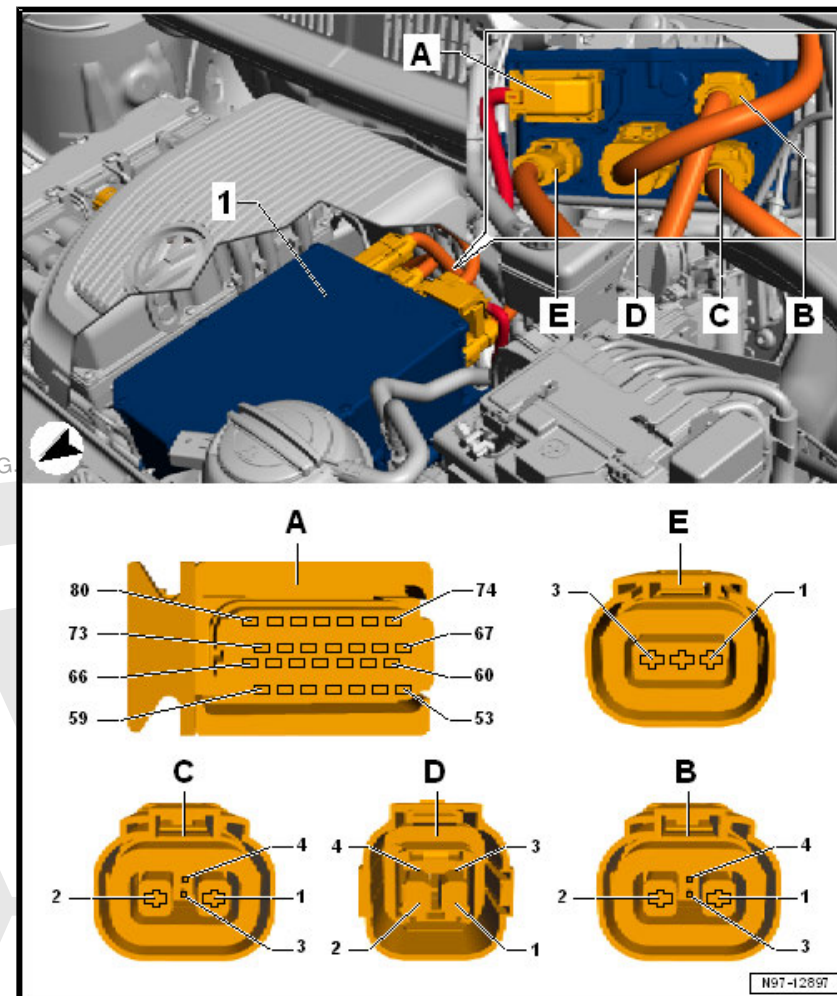
Connector T80 is a 28-pin connector

**B - 5-pin connector -T5h-**

**C - 5-pin connector -T5k-**

**D - 5-pin connector -T5g-**

**E - 4-pin connector -T4y-**



**Connector assignment for charging unit 1 for high-voltage battery -AX4-**

-T80a- (A)	Designation	-T80a- (A)	Designation
53	Terminal 30	67	
54	Terminal 31	68	
55	Powertrain CAN bus, high	69	
56	Powertrain CAN bus, low	70	

-T80a- (A)	Designation	-T80a- (A)	Designation
57	Hybrid CAN bus high	71	
58	Hybrid CAN bus, low	72	
59		73	
60		74	
61		75	
62		76	
63		77	
64		78	Pilot Out
65		79	
66		80	Pilot In

-T5h- (B)	Designation	-T5k- (C)	Designation
1	HV PTC +	1	HV EKK +
2	HV PTC -	2	HV EKK -
3	Pilot In	3	Pilot In
4	Pilot Out	4	Pilot Out
5	Shield	5	Shield

-T5g- (D)	Designation	-T4y- (E)	Designation
1	HV DC +	1	L1
2	HV DC -	2	N
3	Pilot In	3	Pe
4	Pilot Out	4	Shield
5	Shield		

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## 1.11 Charging unit 1 for high-voltage battery -AX4- , with 60-pin connector -T60-

Fitting location:

in engine compartment



**1 - Charging unit 1 for high-voltage battery -AX4-**

- ❑ Control unit for high-voltage battery charging unit -J1050-

**A - 8-pin connector -T8p- , orange**

- ❑ To high-voltage battery charging socket 1 -UX4-

**B - 60-pin connector -T60a- , black**

**C - 5-pin connector -T5g- , orange**

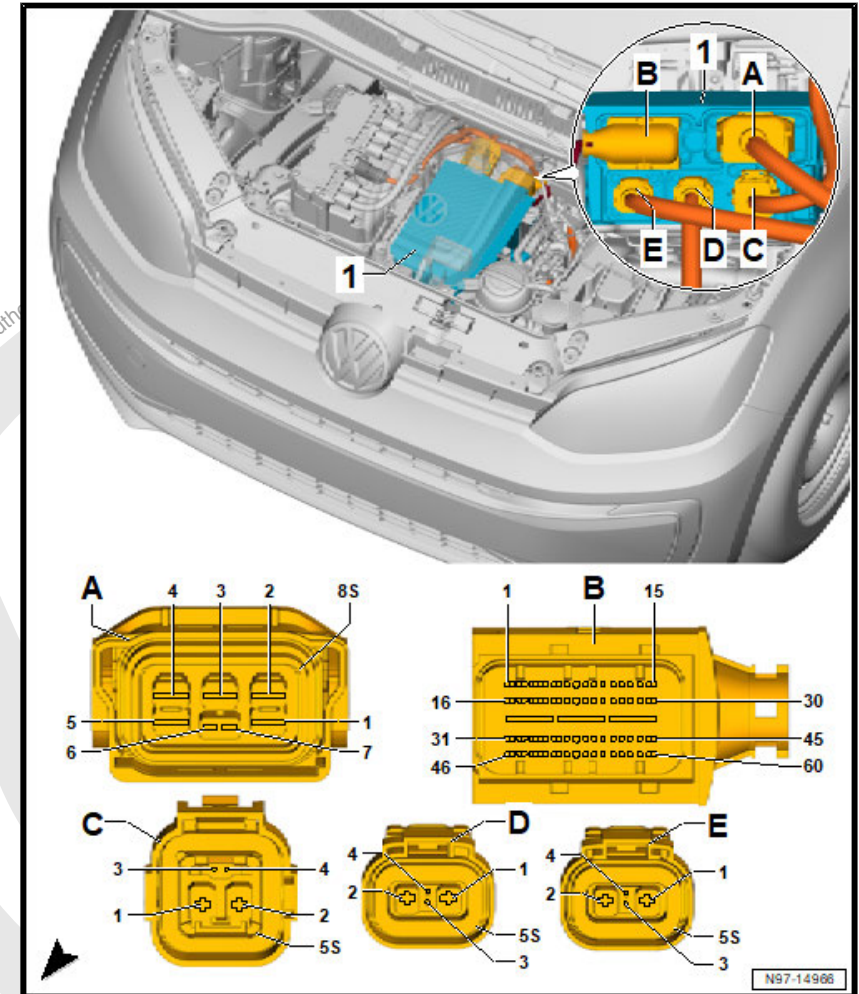
- ❑ To power and control electronics for electric drive -JX1-

**D - 5-pin connector -T5h- , orange**

- ❑ To high-voltage heater (PTC) control unit -J848-

**E - 5-pin connector -T5k- , orange**

- ❑ To control unit for air conditioning compressor -J842-



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**Connector assignment for charging unit 1 for high-voltage battery -AX4-**

-T60- (B)	Designation	-T60- (B)	Designation
1	Terminal 30	31	
2		32	
3		33	
4		34	

-T60- (B)	Designation	-T60- (B)	Designation
5		35	
6		36	
7		37	
8		38	
9	E123 Connection 1 (powertrain CAN bus, high) in engine wiring harness	39	
10	E124 Connection 1 (powertrain CAN bus, low) in engine wiring harness	40	
11	X4 Connection 1 (hybrid CAN bus, high) in engine compartment wiring harness	41	
12	X5 Connection 1 (hybrid CAN bus, low) in engine compartment wiring harness	42	
13	Power and control electronics for electric drive -JX1- (Pilot In)	43	
14		44	
15	High voltage heater (PTC) control unit -J848- (Pilot Out)	45	
16		46	
17		47	
18		48	
19		49	
20		50	
21		51	
22		52	
23		53	
24		54	
25		55	
26		56	
27		57	
28		58	
29		59	
30		60	Terminal 31

-T8p- (A)	Designation	-T5g- (C)	Designation
1	PE	1	HV DC +



-T8p- (A)	Designation	-T5g- (C)	Designation
2		2	HV DC -
3	L2	3	Pilot In
4	L1	4	Pilot Out
5	N	5S	Shield
6			
7			
8S	Shield		

-T5h- (D)	Designation	-T5k- (E)	Designation
1	HV PTC +	1	HV EKK +
2	HV PTC -	2	HV EKK -
3	Pilot In	3	Pilot In
4	Pilot Out	4	Pilot Out
5S	Shield	5S	Shield

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## 1.12 Control unit for air conditioning compressor -J842-

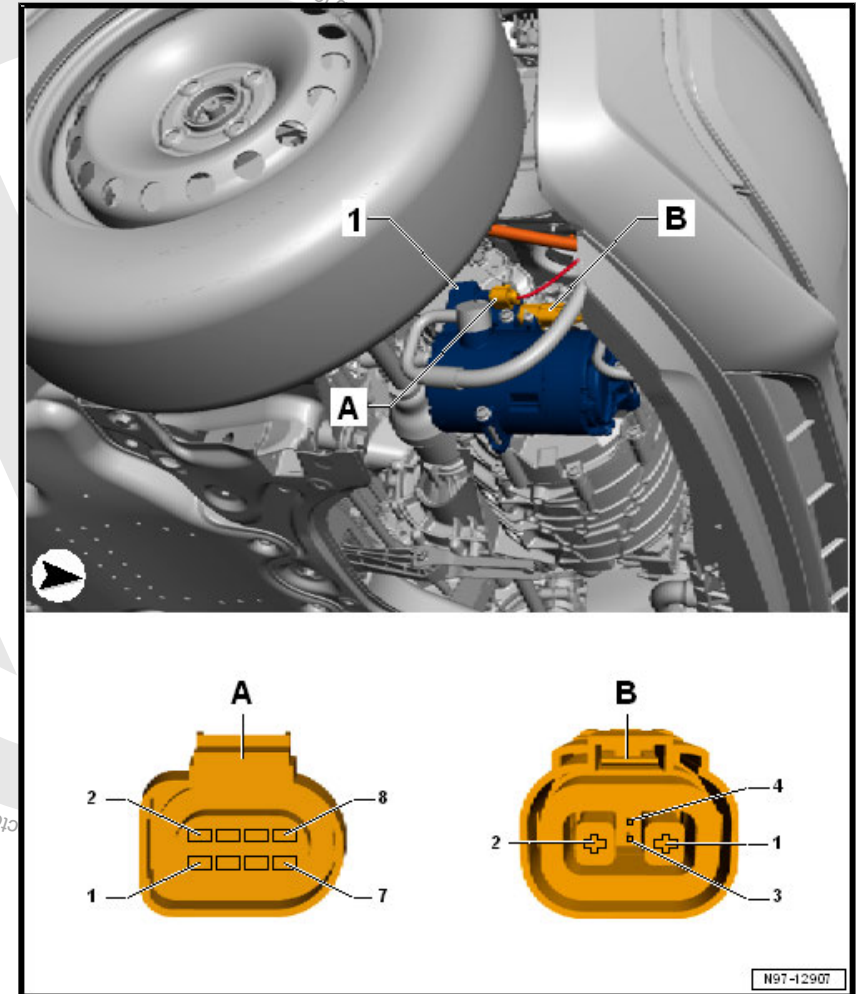
Fitting location:

at bottom right of engine compartment, on air conditioning compressor

**1 - Control unit for air conditioning compressor -J842-**

**A - 8-pin connector -T8e-**

**B - 5-pin connector -T5j-**



**Connector assignment for control unit for air conditioning compressor -J842-**

-T8e- (A)	Designation	-T5j- (B)	Designation
1		1	HV charging unit +
2	LIN	2	HV charging unit -
3		3	Pilot In
4		4	Pilot Out
5	Terminal 31	5	Shield

-T8e- (A)	Designation	-T5j- (B)	Designation	
6				
7				
8	Terminal 15			

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## 1 Control units in middle part of vehicle

### 1.1 Overview of control units

#### 1 - Radio -R-

- ☐ Fitting location ⇒ [page 2](#)

#### 2 - Portable navigation and infotainment system -J982-

- ☐ Fitting location ⇒ [page 5](#)

#### 3 - Emergency braking function sensor unit -J939-

- ☐ For models up to August 2019
- ☐ Fitting location ⇒ [page 7](#)

#### 3 - Front camera for driver assist systems -R242-

- ☐ For models from August 2019
- ☐ Fitting location ⇒ [page 9](#)

#### 4 - Climatronic control unit -J255-

- ☐ Fitting location ⇒ [page 11](#)

#### 5 - Control unit in dash panel insert -J285-

- ☐ Fitting location ⇒ [page 13](#)

#### 6 - Steering column electronics control unit -J527-

- ☐ Fitting location ⇒ [page 15](#)

#### 7 - Battery regulation control unit -J840-

- ☐ Fitting location ⇒ [page 17](#)

#### 8 - Switching unit for high-voltage battery -SX6-

- ☐ Fitting location ⇒ [page 18](#)

#### 9 - Module monitor control unit for batteries -J497-

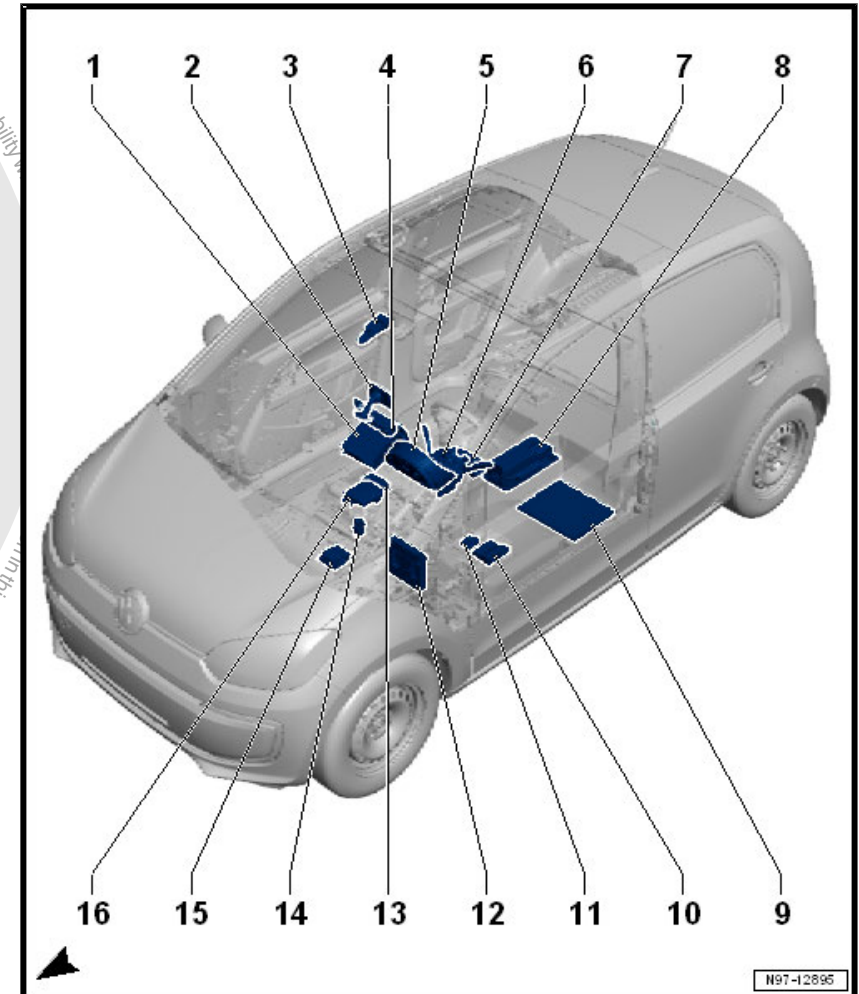
- ☐ Fitting location ⇒ [page 19](#)

#### 10 - Charge voltage control unit for high-voltage battery -J966-

- ☐ Fitting location ⇒ [page 20](#)

#### 11 - Engine sound generator control unit -J943-

- ☐ Fitting location ⇒ [page 22](#)



**12 - Onboard supply control unit -J519-**

- ☐ Fitting location left-hand drive ⇒ [page 24](#)
- ☐ Fitting location right-hand drive ⇒ [page 26](#)
- ☐ Connector assignment ⇒ [page 27](#)

**13 - Emergency call module control unit and communication unit -J949-**

- ☐ Fitting location ⇒ [page 29](#)

**14 - Heated front seats control unit -J774-**

- ☐ Fitting location left-hand drive ⇒ [page 31](#)
- ☐ Fitting location right-hand drive ⇒ [page 33](#)

**15 - Airbag control unit -J234-**

- ☐ Fitting location ⇒ [page 35](#)

**16 - Power steering control unit -J500-**

- ☐ Fitting location left-hand drive ⇒ [page 37](#)
- ☐ Fitting location right-hand drive ⇒ [page 38](#)

**17 - Fresh air blower control unit -J126-**

- ☐ Fitting location ⇒ [page 40](#)

## 1.2 Radio -R-

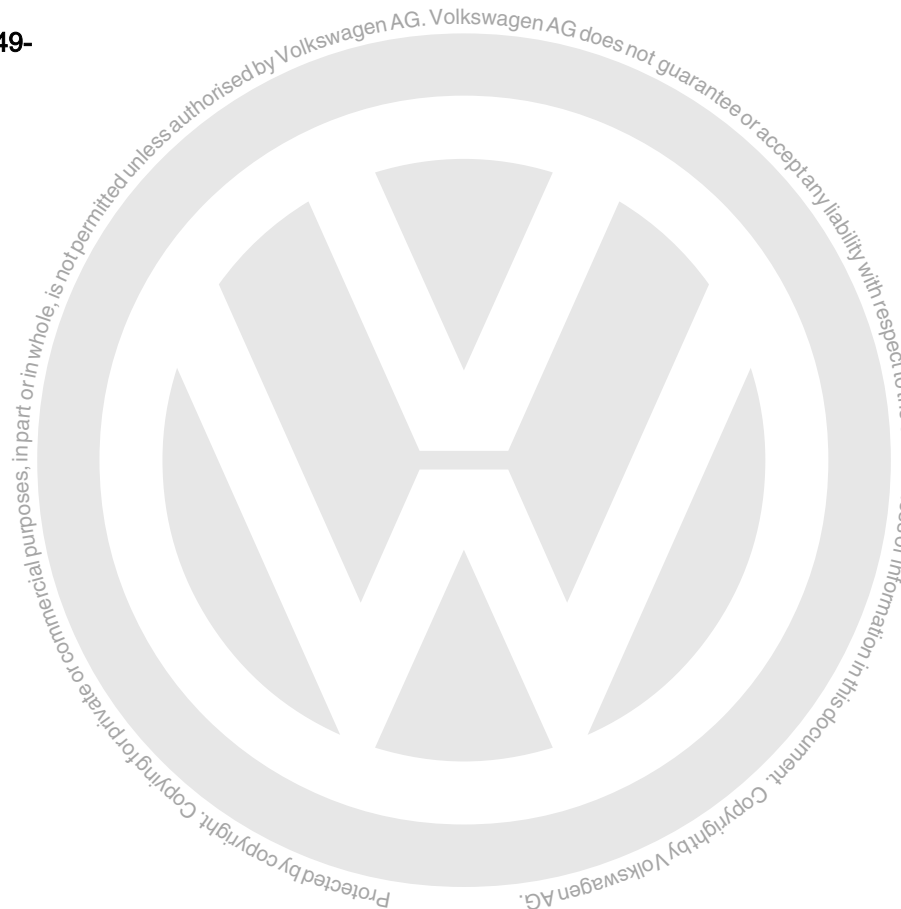
**Fitting location:**

In centre of dash panel.



**Note**

*Touch radio, from August 2016*



1 - Radio -R-

A - 2-pin connector -T2ch- , black

B - 4-pin connector -T4ai- , white

C - 5-pin connector -T5t- , yellow

D - Connector, quadlock

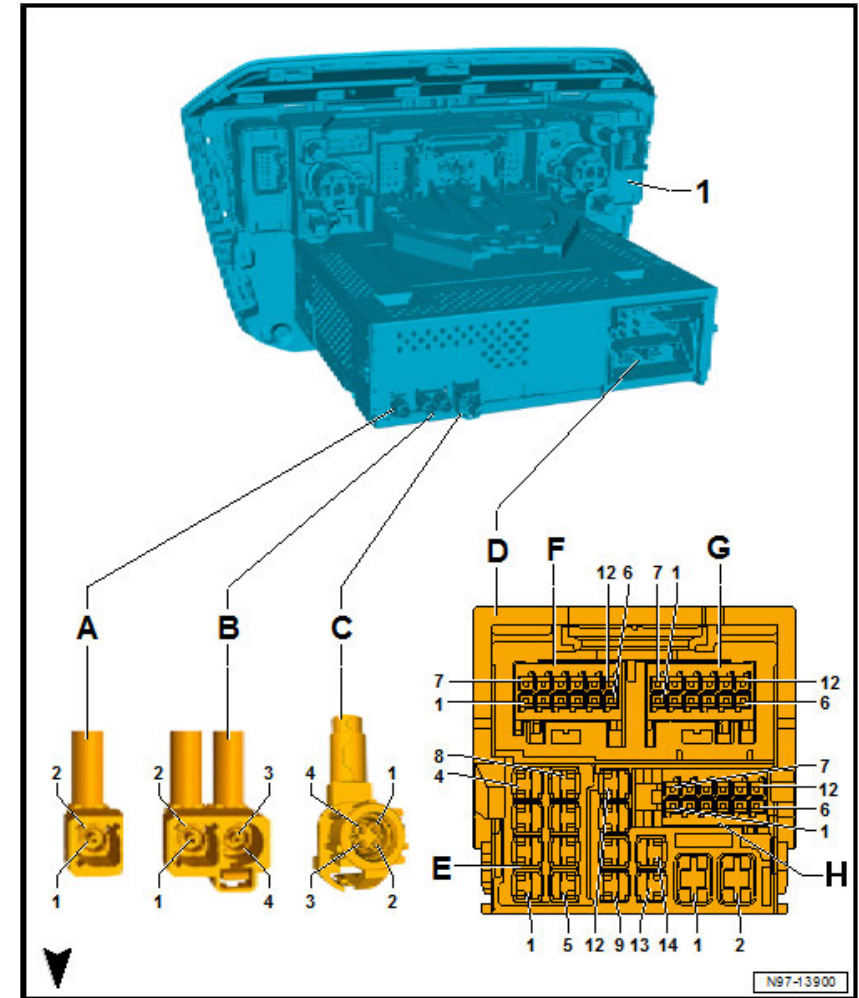
E - 8-pin connector -T8a- , brown, (pin 1-8)

E - 8-pin connector -T8d- , black, (pin 9-18)

F - 12-pin connector -T12b- , blue

G - 12-pin connector -T12i- , green

H - 12-pin connector -T12j- , grey



Connector assignment, radio -R-

-T2ch- (A)	Designation	-T4ai- (B)	Designation	-T5t- (C)	Designation
1	Roof aerial -RX5- ◆ Digital radio aerial -R183-	1	Left aerial module -R108-	1	USB connection 1 -U41- <sup>1)</sup>



-T2ch- (A)	Designation	-T4ai- (B)	Designation	-T5t- (C)	Designation
2	Roof aerial -RX5- ◆ Digital radio aerial -R183-	2	Left aerial module -R108-	2	USB connection 1 -U41- <sup>1)</sup>
		3	Roof aerial -RX5- ◆ Aerial -R11-	3	USB connection 1 -U41- <sup>1)</sup>
		4	Roof aerial -RX5- ◆ Aerial -R11-	4	USB connection 1 -U41- <sup>1)</sup>
				5	USB connection 1 -U41- <sup>1)</sup>

<sup>1)</sup> According to equipment

-T8a- (E)	Designation	-T8d- (E)	Designation	-T12b- (F)	Designation
1	Rear right loudspeaker -R5-	1	--	1	Internal microphone -R74- <sup>1)</sup>
2	Front right loudspeaker -R3- Front right treble loudspeaker -R22- <sup>1)</sup>	2	--	2	--
3	Front left loudspeaker -R2- Front left treble loudspeaker -R20- <sup>1)</sup>	3	--	3	--
4	Rear left loudspeaker -R4-	4	--	4	--
5	Rear right loudspeaker -R5-	5	--	5	--
6	Front right loudspeaker -R3- Front right treble loudspeaker -R22- <sup>1)</sup>	6	--	6	--
7	Front left loudspeaker -R2- Front left treble loudspeaker -R20- <sup>1)</sup>	7 (17)	Terminal 31	7	Internal microphone -R74- <sup>1)</sup>
8	Rear left loudspeaker -R4-	8 (18)	Terminal 30	8	--
				9	--
				10	--
				11	--
				12	--

<sup>1)</sup> According to equipment

-T12j-(G)	Designation	-T12i-(H)	Designation
1	--	1	--

-T12j-(G)	Designation	-T12i-(H)	Designation
2	--	2	--
3	--	3	USB connection 1 -U41- <sup>1)</sup>
4	--	4	USB connection 1 -U41- <sup>1)</sup>
5	--	5	--
6	 Connection 1 (convenience CAN bus, high), in main wiring harness	6	--
7	--	7	--
8	--	8	--
9	--	9	--
10	--	10	--
11	--	11	--
12	 Connection 1 (convenience CAN bus, low), in main wiring harness	12	--

<sup>1)</sup> According to equipment

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### 1.3 Portable navigation and infotainment system -J982-

**Fitting location:**

in centre of dash panel.

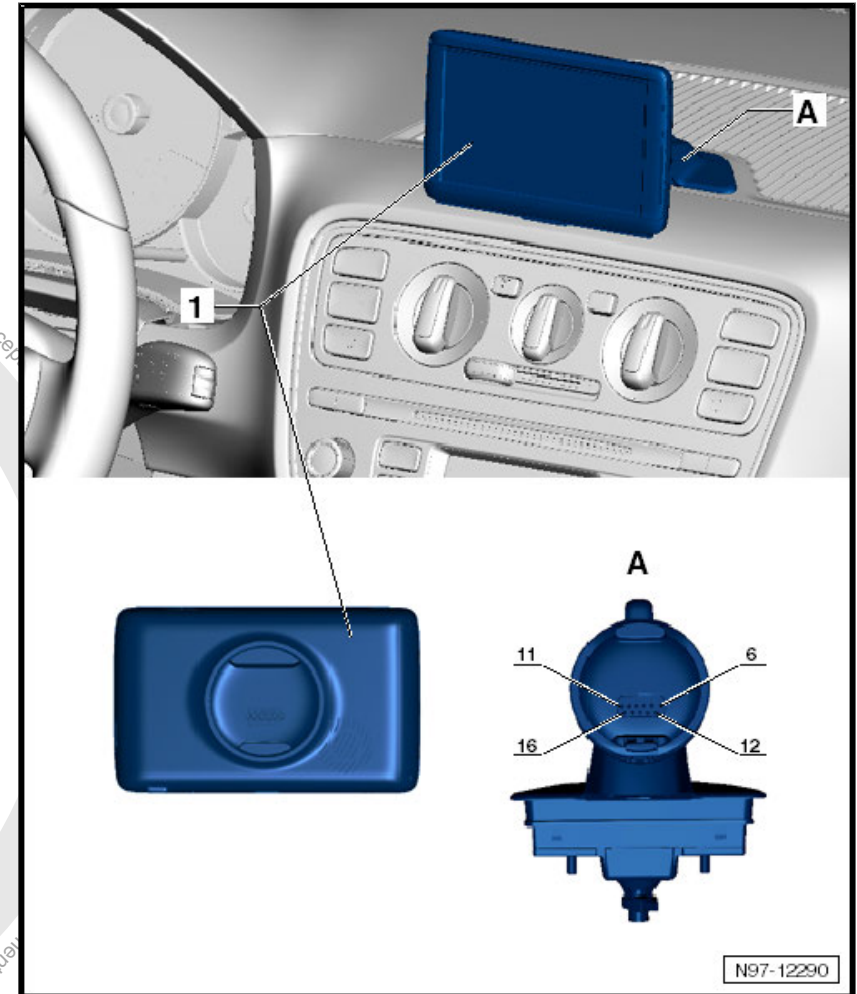


1 - Portable navigation and infotainment system -J982-

A - 16-pin connector -T16e-



Up to August 2016



Connector assignment for portable navigation and infotainment system -J982-

-T16e- (A)	Designation	
1	UART2-CTS	
2	UART2-RTS	
3	UART2-Tx	
4	UART2-Rx	
5	Cradle detect	

-T16e- (A)	Designation	
6	+ 5V	
7	GND	
8	Audio OUT R	
9	Audio OUT L	
10	+ 12V	
11	Aerial	
12	+ 5V	
13	PID-Rx	
14	PID-Tx	
15	Audio GND	
16	GND	

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## 1.4 Emergency braking function sensor unit -J939-

Fitting location:

Near interior mirror.

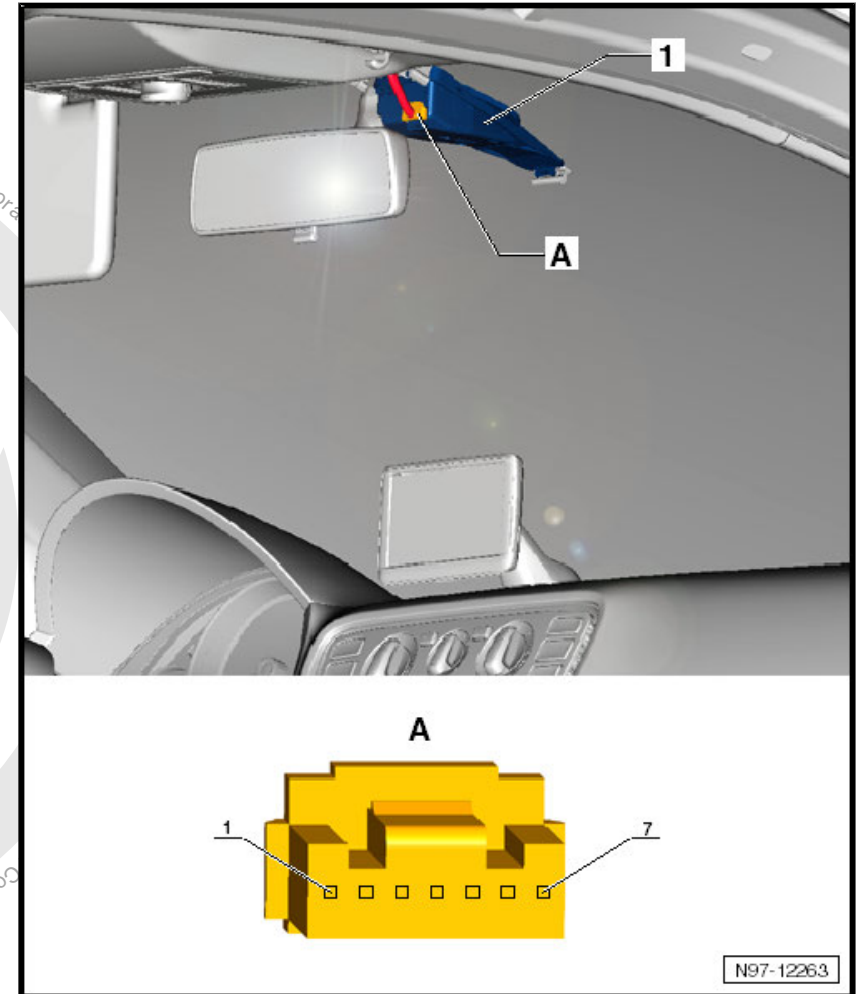


Note

*applicable up to August 2019*

**1 - Emergency braking function sensor unit -J939-**

**A - 7-pin connector -T7c-**



**Connector assignment of emergency braking function sensor unit -J939-**

-T7c- (A)	Designation	
1		
2		
3	Powertrain CAN bus, low	
4	Powertrain CAN bus, high	
5	Terminal 15	

-T7c- (A)	Designation	
6		
7	Terminal 31	

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## 1.5 Front camera for driver assist systems -R242-

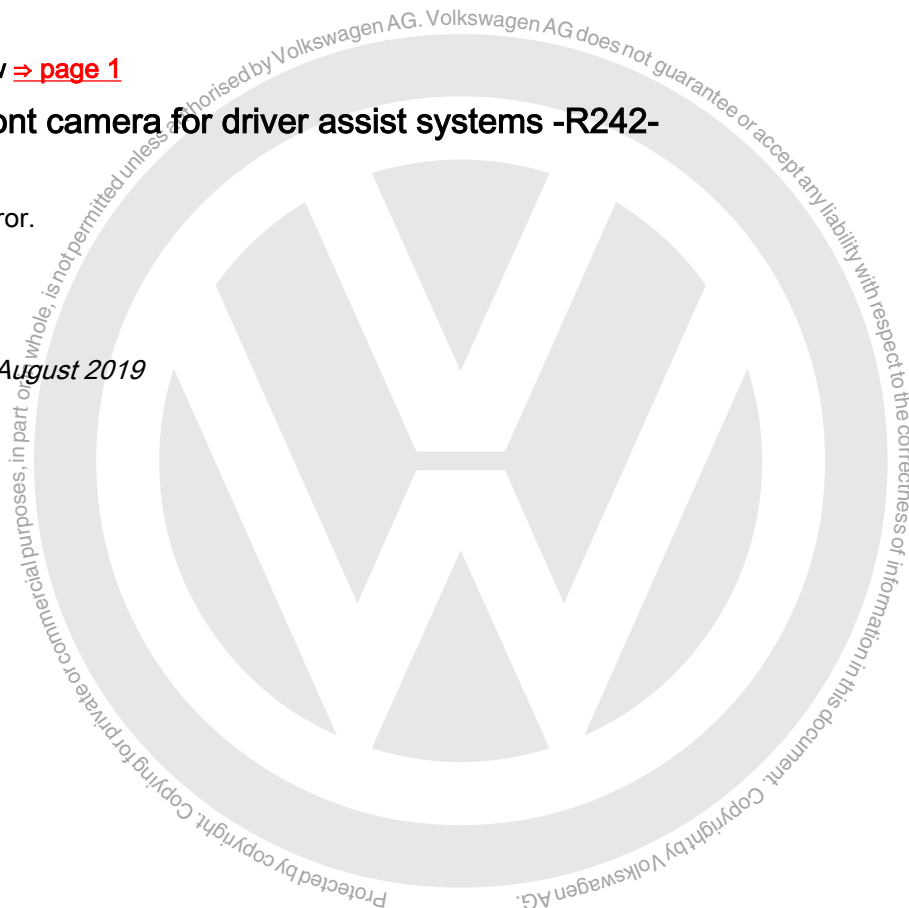
Fitting location:

Near interior mirror.



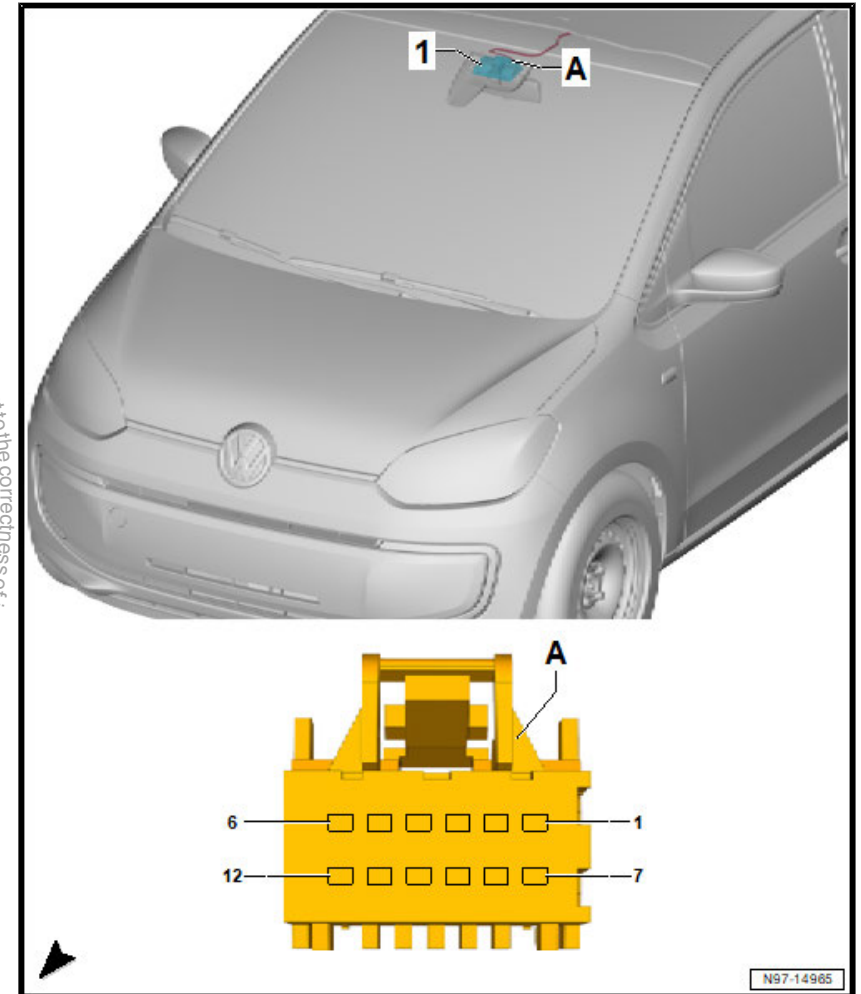
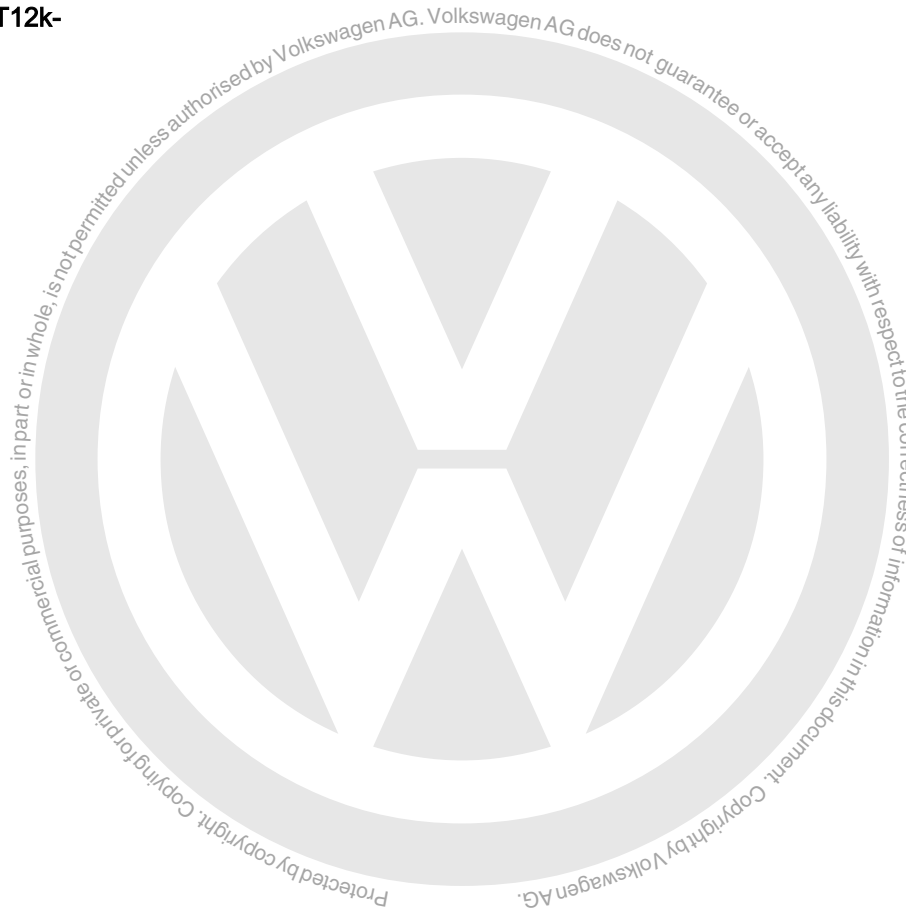
Note

*applicable from August 2019*



**1 - Front camera for driver assist systems -R242-**

**A - 12-pin connector -T12k-**



**Connector assignment for front camera for driver assist systems -R242-**

-T12k- (A)	Designation	
1		
2	CAN extended, low	
3		
4	Windscreen heater for front sensors -Z113-	
5	Terminal 31	

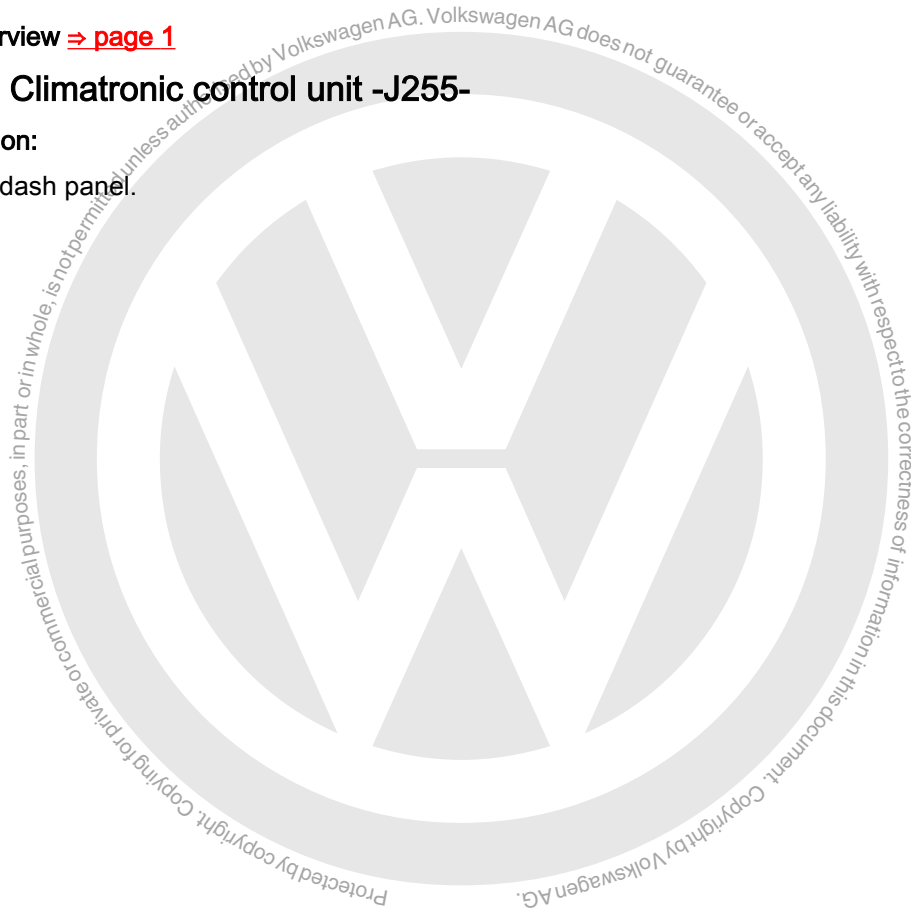
-T12k- (A)	Designation	
6	Terminal 15	
7		
8	CAN extended, high	
9		
10	Windscreen heater for front sensors -Z113-	
11		
12		

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## 1.6 Climatronic control unit -J255-

Fitting location:

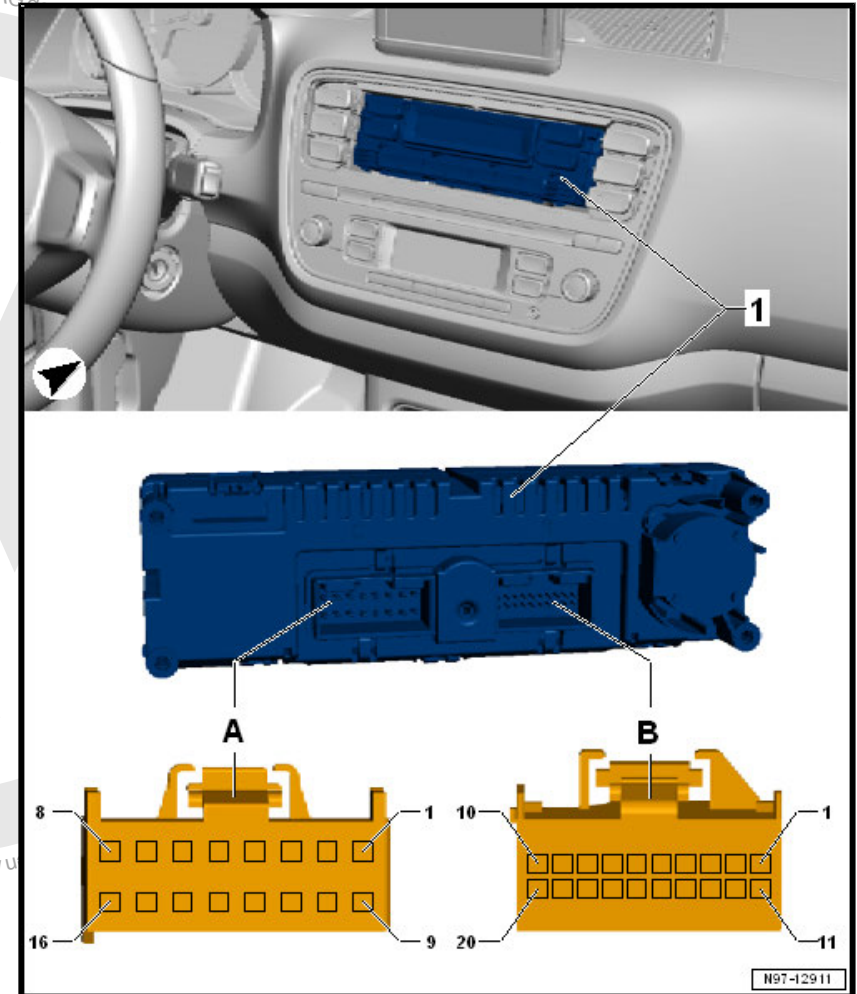
In centre of dash panel.



**1 - Climatronic control unit -J255-**

**A - 16-pin connector -T16g- , black**

**B - 20-pin connector -T20a-**



**Connector assignment for Climatronic control unit -J255-**

-T16g- (A)	Designation	-T20a- (B)	Designation
1		1	Temperature flap (cold)
2	GND sunlight penetration photosensor	2	Temperature flap (warm)
3	Signal, sunlight penetration photosensor	3	Defroster flap (closed)
4	U battery connected	4	Defroster flap (open)
5	Convenience CAN bus, high	5	Signal GND

-T16g- (A)	Designation	-T20a- (B)	Designation
6	Convenience CAN bus, low	6	Centre flap (centre)
7	PWM signal, pressure sensor	7	Centre flap (foot)
8		8	Air flow flap
9		9	Air flow flap
10		10	
11	LIN bus	11	Centre vent temperature sender
12	Terminal 30	12	Footwell vent temperature sender
13	Terminal 31	13	
14		14	+ 5V
15		15	Evaporator output temperature sender
16		16	RMP temperature flap
		17	RMP defroster flap
		18	RMP centre flap control motor
		19	RMP fresh air/air recirculation control motor
		20	

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## 1.7 Control unit in dash panel insert -J285-

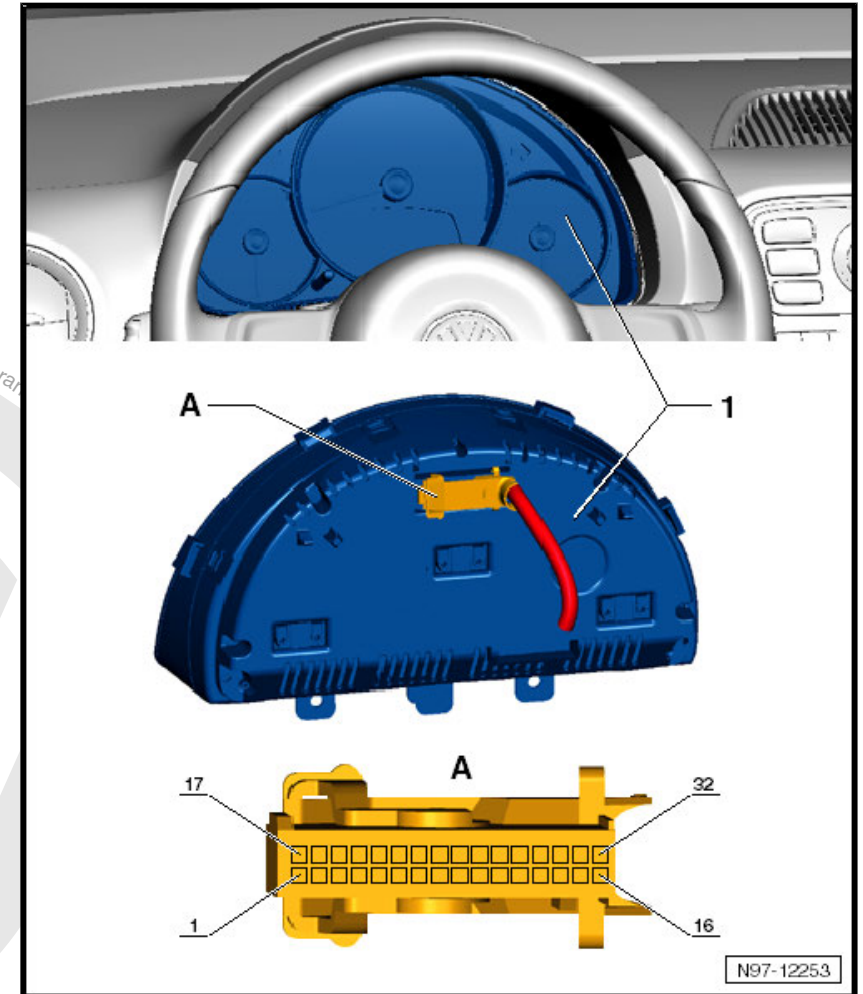
Fitting location:

In the dash panel.



1 - Control unit in dash panel insert -J285-

A - 32-pin connector -T32- , blue



Connector assignment of control unit in dash panel insert -J285-

-T32- (A)	Designation	-T32- (A)	Designation
1		17	
2		18	Low coolant level
3		19	Ambient temperature
4		20	Terminal 31 sensor earth
5		21	MFD on

-T32- (A)	Designation	-T32- (A)	Designation
6		22	MFD off
7	Transponder 1	23	MFD OK/Reset
8	Transponder 2	24	
9		25	Parking brake/EPB
10		26	Brakes, general
11		27	
12		28	Powertrain CAN bus, high
13	Rear fog light	29	Powertrain CAN bus, low
14	Main beam	30	
15		31	Terminal 15
16	Terminal 31	32	Terminal 30

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## 1.8 Steering column electronics control unit -J527-

Fitting location:

On steering column.

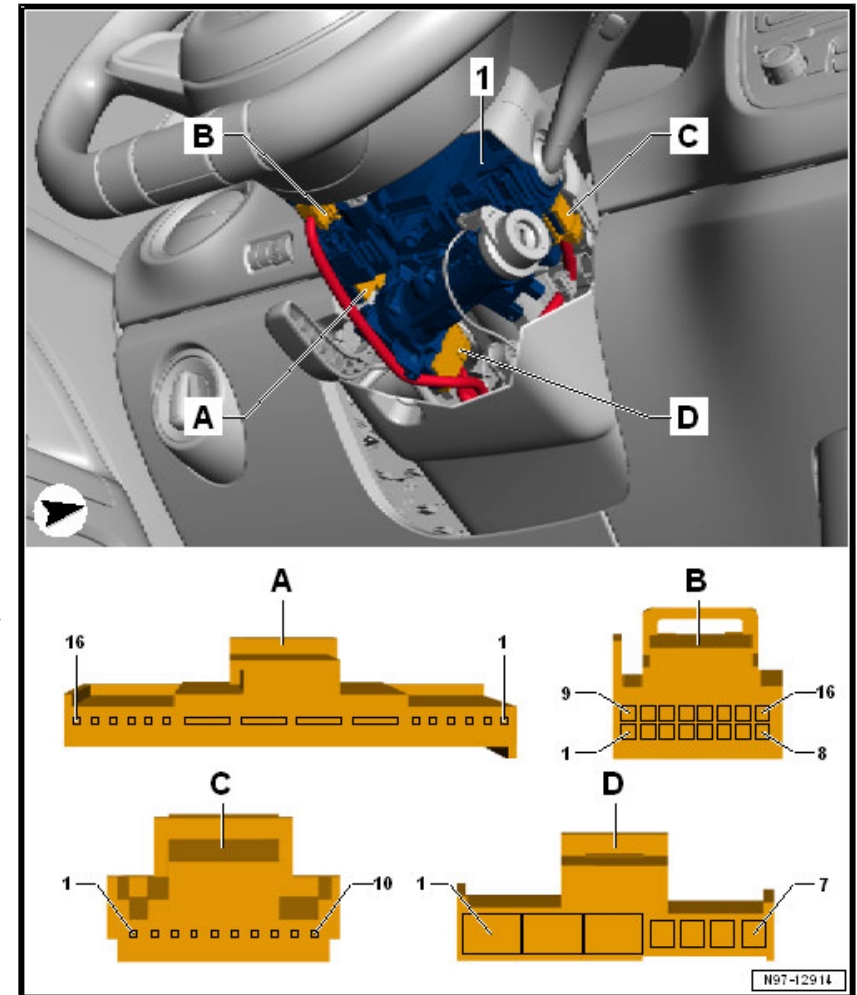
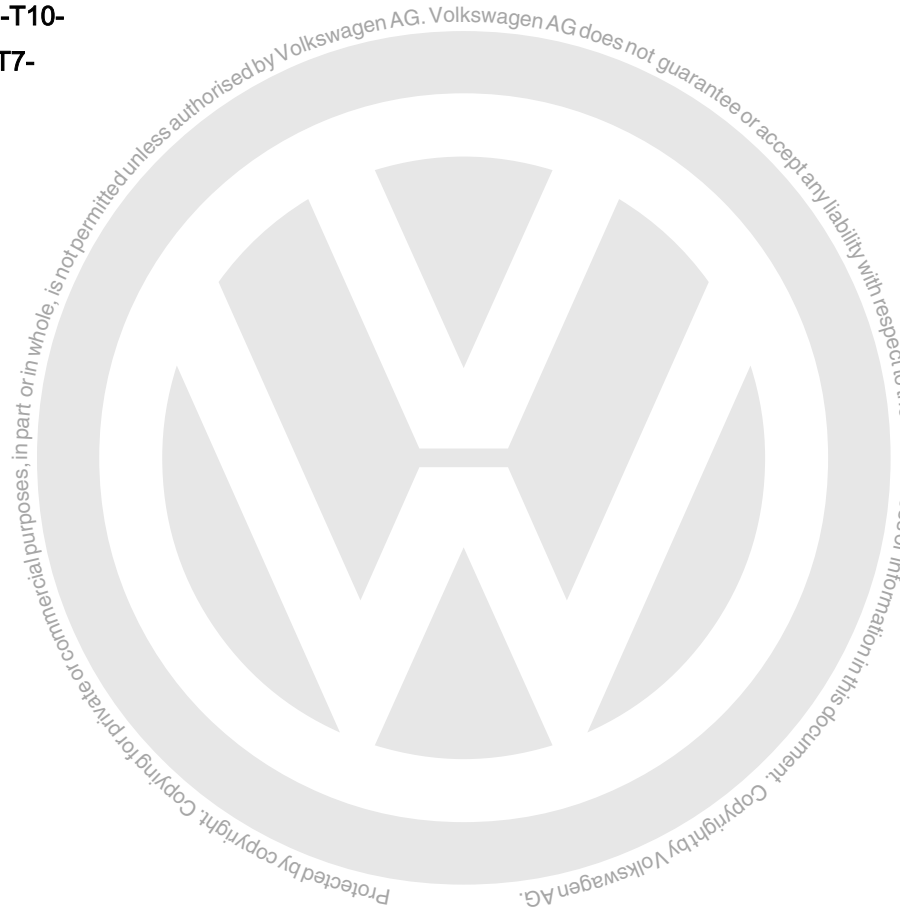
**1 - Steering column electronics control unit -J527-**

**A - 16-pin connector -T16d-**

**B - 16-pin connector -T16h-**

**C - 10-pin connector -T10-**

**D - 7-pin connector -T7-**



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## 1.9 Battery regulation control unit -J840-

Fitting location:

in high-voltage battery.

1 - High-voltage battery 1 -AX2-

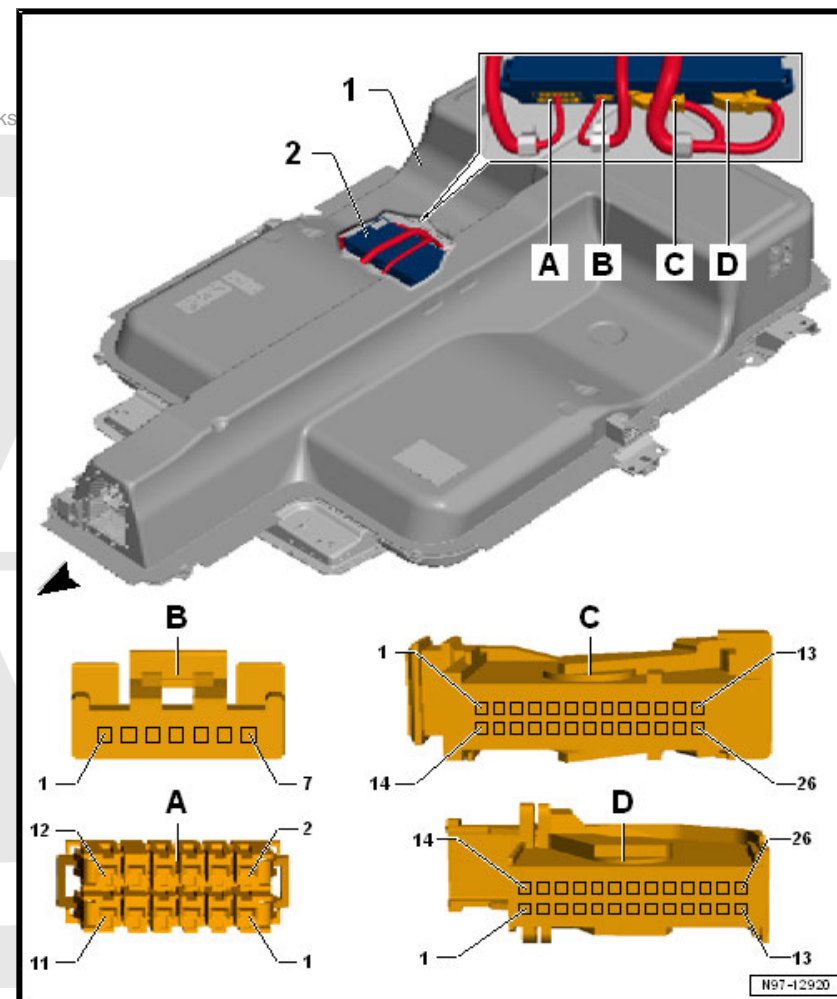
2 - Battery regulation control unit -J840-

A - 12-pin connector -T12-

B - 7-pin connector -T7e-

C - 26-pin connector -T26k-

D - 26-pin connector -T26i-



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## 1.10 Switching unit for high-voltage battery -SX6-

Fitting location:

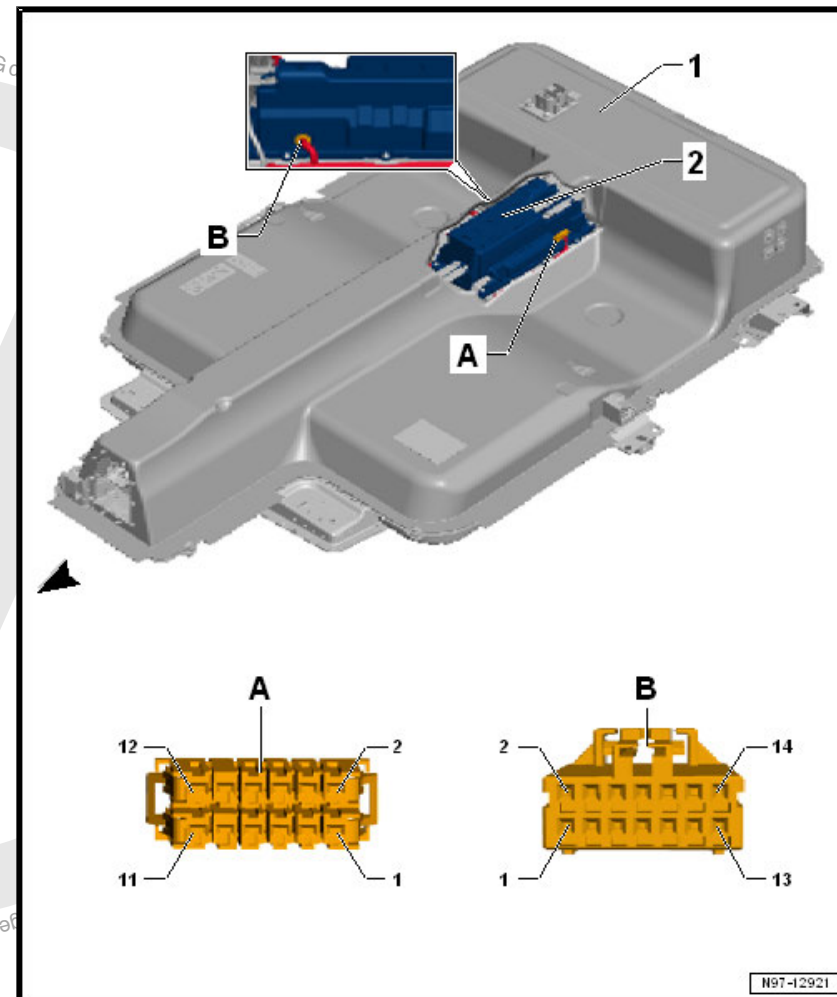
in high-voltage battery.

1 - High-voltage battery 1 -AX2-

2 - Switching unit for high-voltage battery -SX6-

A - 12-pin connector -T12d-

B - 14-pin connector -T14d-



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## 1.11 Module monitor control unit for batteries -J497-

Fitting location:

in high-voltage battery.

1 - High-voltage battery 1 -AX2-

2 - Module monitor control unit for batteries -J497-

A - 7-pin connector -T7d-

B - 26-pin connector -T26aa-

C - 26-pin connector -T26ab-

D - 26-pin connector -T26ac-

E - 26-pin connector -T26ad-

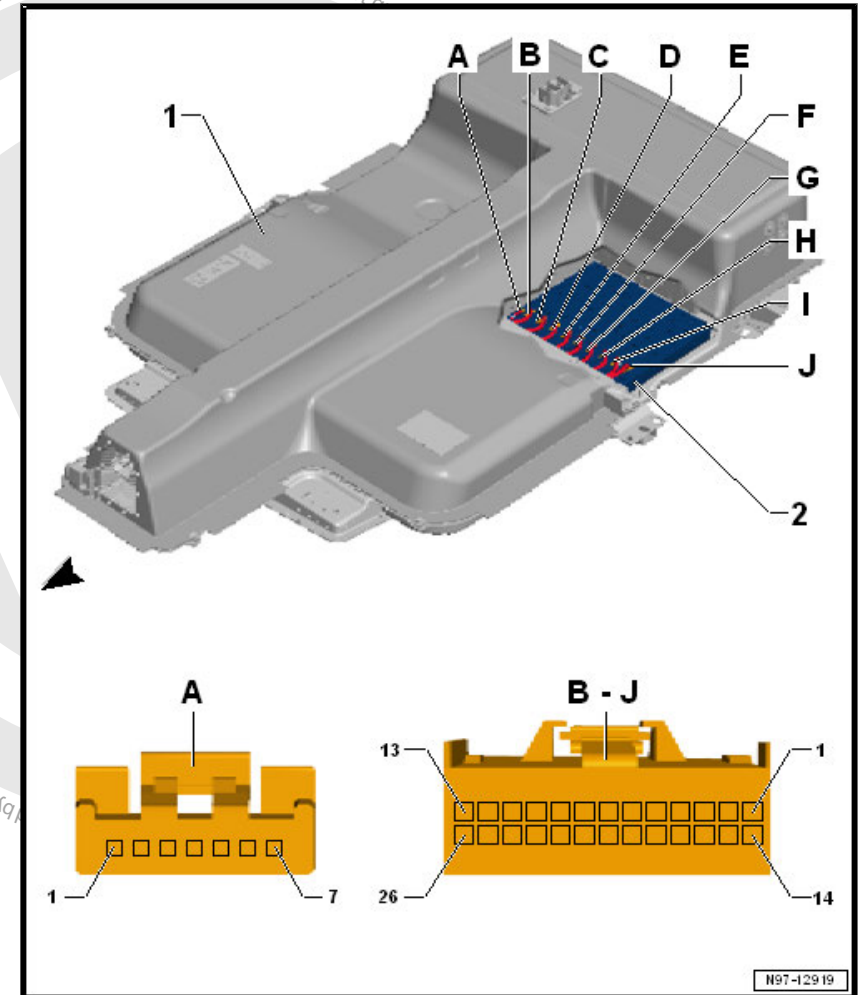
F - 26-pin connector -T26ae-

G - 26-pin connector -T26af-

H - 26-pin connector -T26ag-

I - 26-pin connector -T26ah-

J - 26-pin connector -T26ai-





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## 1.12 Charge voltage control unit for high-voltage battery -J966-

**Fitting location:**

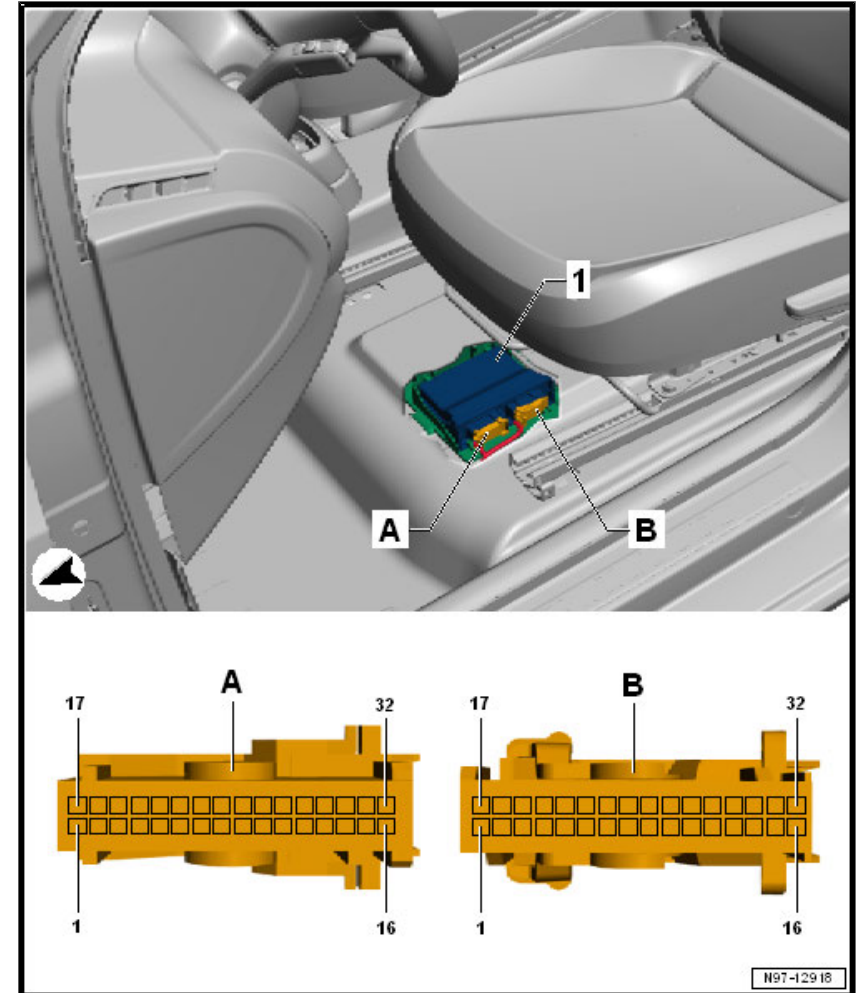
Under seat on front left.

**1 - Charge voltage control unit for high-voltage battery -J966-**

**A - 32-pin connector -T32a- , grey**

**B - 32-pin connector -T32b- , black**

☐ only with AC/DC charging socket



## Connector assignment of charge voltage control unit for high-voltage battery -J966-

-T32a- (A)	Designation	-T32b- (B)	Designation
1	LED0, charging socket	1	
2	LED2, charging socket	2	
3	LED.GND, charging socket	3	
4		4	
5	LED1, driving programme	5	
6		6	
7	Terminal 15	7	
8		8	
9		9	Temperature sender GND, charging socket
10	Temperature sender GND, charging socket	10	
11	Immediate charge button	11	
12	PP, charging socket	12	
13	Hybrid CAN bus, low	13	
14	Powertrain CAN bus, high	14	Terminal 31
15	GND, charging connector lock	15	
16	Loc / Close, charging connector lock	16	
17	Terminal 30	17	
18	LED1, charging socket	18	
19	Terminal 31	19	
20	LED, charging monitor	20	
21	LED2, driving programme	21	
22		22	
23	Driving program button	23	
24		24	
25		25	Temperature sender, charging socket
26	Temperature sender, charging socket	26	
27	CP, charging socket	27	
28		28	
29	Hybrid CAN bus high	29	
30	Powertrain CAN bus, low	30	
31	Lock Check, charging connector lock	31	



-T32a- (A)	Designation	-T32b- (B)	Designation
32	Lock Open, charging connector lock	32	Terminal 30

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## 1.13 Engine sound generator control unit -J943-

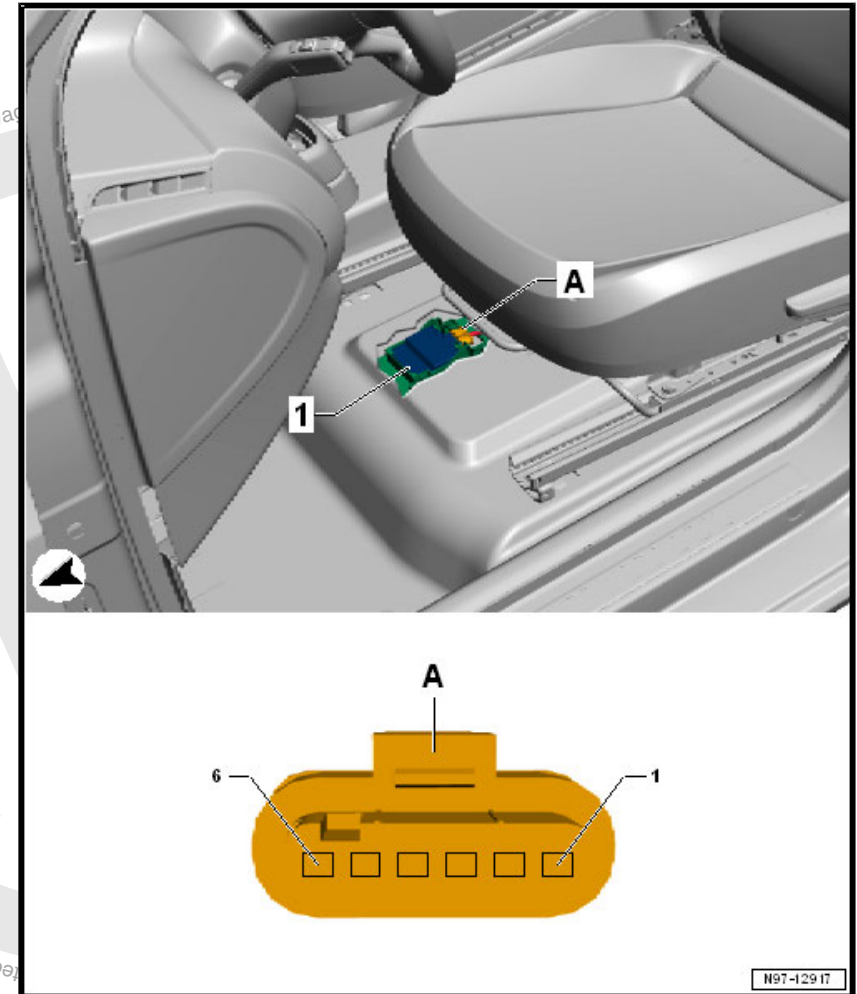
Fitting location:

Under seat on front left.



1 - Engine sound generator control unit -J943-

A - 6-pin connector -T6x- , black



Connector assignment for engine sound generator control unit -J943-

-T6x- (A)	Designation	
1	Actuator 1 for engine sound generator -R257- +	
2	Actuator 1 for engine sound generator -R257- -	
3	Terminal 15	
4	Terminal 31	
5	Powertrain CAN bus, low	

-T6x- (A)	Designation	
6	Powertrain CAN bus, high	

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## 1.14 Onboard supply control unit -J519-

### 1.14.1 Onboard supply control unit -J519- , left-hand drive models

**Fitting location:**

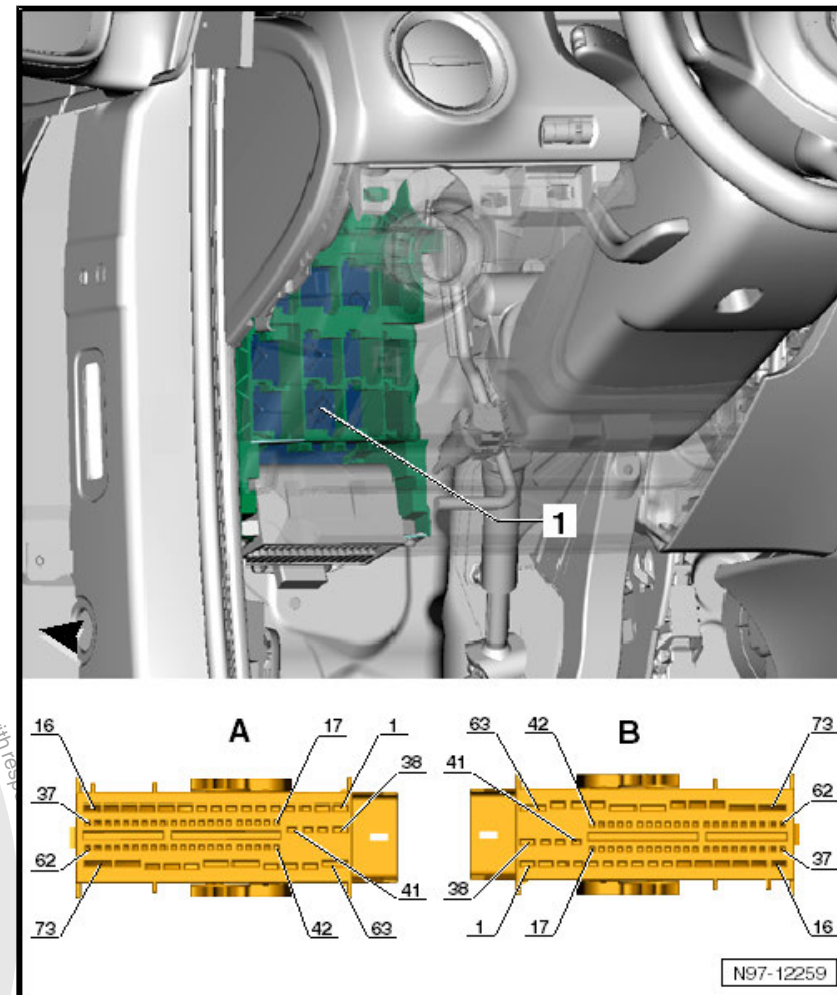
Behind dash panel on left.



1 - Onboard supply control unit -J519-

A - 73-pin connector -T73a- , black

B - 73-pin connector -T73b- , white



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## 1.14.2 Onboard supply control unit -J519- , right-hand drive models

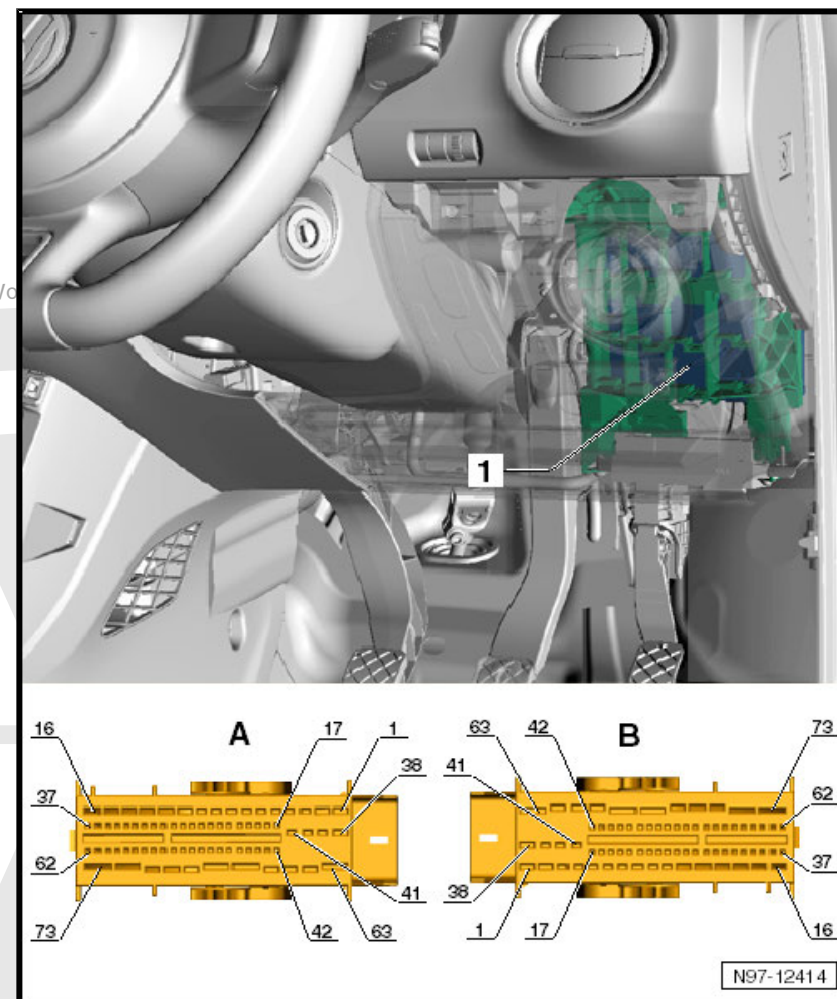
Fitting location:

Behind dash panel, right.

1 - Onboard supply control unit -J519-

A - 73-pin connector -T73a- , black

B - 73-pin connector -T73b- , white



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### 1.14.3 Onboard supply control unit -J519-

Connector assignment for onboard supply control unit -J519-

-T73a- (A)	Designation	-T73b- (B)	Designation
1		1	
2	Left dipped beam	2	Right dipped beam
3		3	Left daytime running lights
4	Interior light dimmer	4	58D supply
5	Right daytime running lights	5	Left tail light
6	Rear fog light	6	Right tail light
7		7	Number plate light
8		8	
9	Button for emergency braking function	9	
10	Central locking authorisation motor, rear lid	10	
11	Central locking, lock motor, driver	11	Terminal 30 reversing light, dipped beam headlight
12	Central locking, common motor, driver	12	Reversing light
13	Central locking, safe, driver	13	Terminal 30 left turn signal/brake light
14	Terminal 31 central locking	14	Left turn signal
15	Central locking motor front passenger	15	Right turn signal
16	Terminal 30 central locking	16	Brake light
17	Central locking status rear left door lock	17	
18	Central locking status rear right door lock	18	Powertrain CAN bus, low
19	Driver door rotary latch	19	Powertrain CAN bus, high
20	Passenger door rotary latch	20	Convenience CAN bus high
21	Central locking status lock, front passenger	21	Convenience CAN bus, low
22	Central locking status lock, driver	22	Diagnostic CAN bus, low
23	Unlock rear lid	23	Diagnostic CAN bus, high
24	Central locking lock position, driver	24	LIN 2, roof
25	Central locking unlock button	25	
26	Rear right rotary latch	26	
27	Bonnet contact	27	Front wipers 1st stage, steering column lock switch
28	Hazard warning button	28	
29	Horn button	29	Rotary light switch - zero position

-T73a- (A)	Designation	-T73b- (B)	Designation
30	Rear lid main latch	30	
31	Rear lid first latch	31	Heated rear window button
32	Right turn signal, steering column switch	32	Front wiper, end switch
33	Left turn signal, steering column switch	33	Windscreen heater button
34	Rear left rotary latch	34	
35		35	
36	Seat heating authorisation	36	
37		37	LIN, alternator
38	Heated exterior mirror	38	Terminal 31 electronics
39		39	Terminal 30 electronics
40	Right side light	40	
41	Left side light	41	
42	Terminal S ignition/starter switch	42	
43	Brake light sensor	43	Rear fog light, rotary light switch
44	Terminal 15 ignition/starter switch	44	CCS set, steering column switch
45	Side light, rotary light switch	45	CCS E/A, steering column switch
46		46	CCS RES, steering column switch
47		47	CCS cancel, steering column switch
48		48	
49		49	
50	Windscreen heater relay	50	Terminal 50 ignition/starter switch
51		51	
52		52	Dip beam position, rotary light switch
53		53	Front wipers 2nd stage, steering column lock switch
54	Terminal X relay	54	Dash panel CAN bus high
55		55	
56	Hazard warning light button LED	56	
57		57	Dash panel CAN bus low
58	LED Safe LED	58	Heated exterior mirror switch
59		59	Terminal 30 reference
60	Heated rear window LED	60	Terminal 31 reference
61	Windscreen heater LED	61	Steering column switch, washer pump
62	Main beam, steering column switch	62	Steering column switch, front wiper intermittent

-T73a- (A)	Designation	-T73b- (B)	Designation
63	Terminal 30 left dipped beam/daytime running lights/main beam	63	Heated rear window
64	Terminal 30 exterior mirror heating	64	
65	Terminal 30G	65	
66	Terminal 30 interior light / 30G	66	
67		67	Terminal 30 heated rear window
68	Terminal 30 windscreen wiper	68	Terminal 30 right dipped beam/daytime running lights/main beam
69	Front wipers 1st stage	69	
70	Brake earth, front wiper	70	
71	Front wipers 2nd stage	71	
72	Horn	72	
73	Terminal 30 horn	73	

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## 1.15 Emergency call module control unit and communication unit -J949-

Fitting location:

Under front right seat.

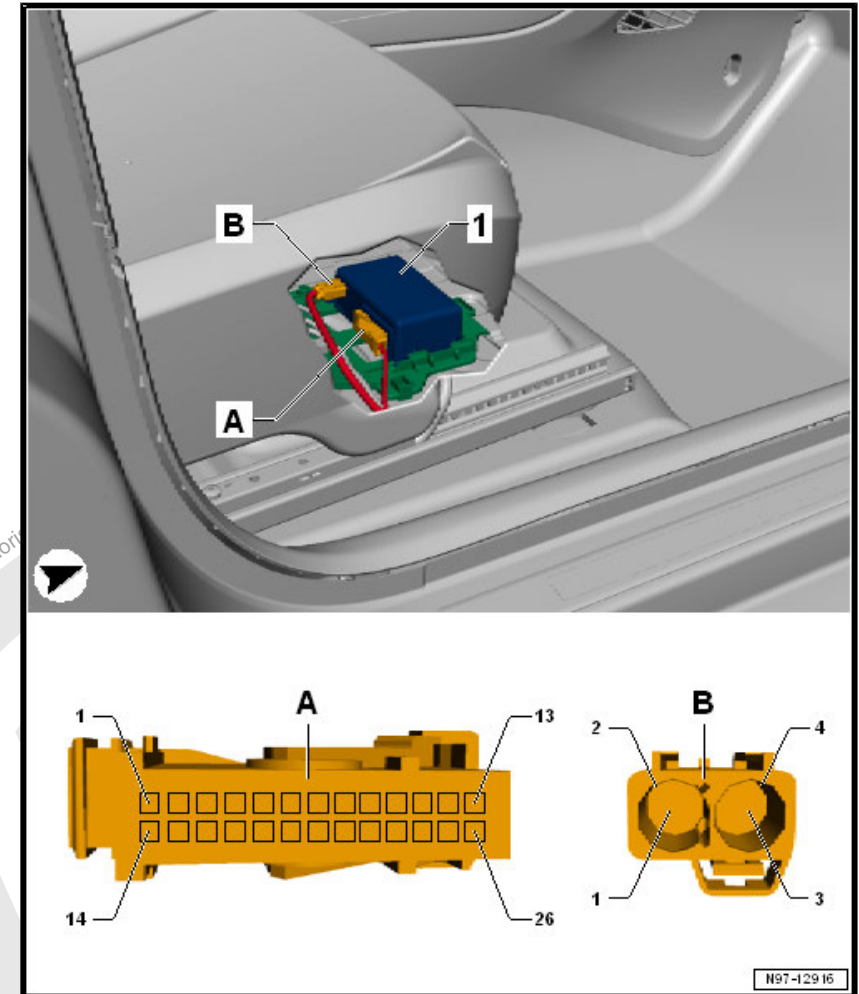


1 - Emergency call module control unit and communication unit -J949-

A - 26-pin connector -T26a-

B - 4-pin connector -T4ac-

- GPS aerial -R50-
- GSM aerial -R205-



Connector assignment of emergency call module control unit and communication unit -J949-

-T26a- (A)	Designation	-T26a- (A)	Designation	-T4ac- (B)	Designation
1	Terminal 30	14	Convenience CAN bus, high	1	GSM aerial -R205-
2	Convenience CAN bus, low	15		2	GSM aerial -R205-, shield
3		16		3	GPS aerial -R50-
4		17		4	GPS aerial -R50-, shield

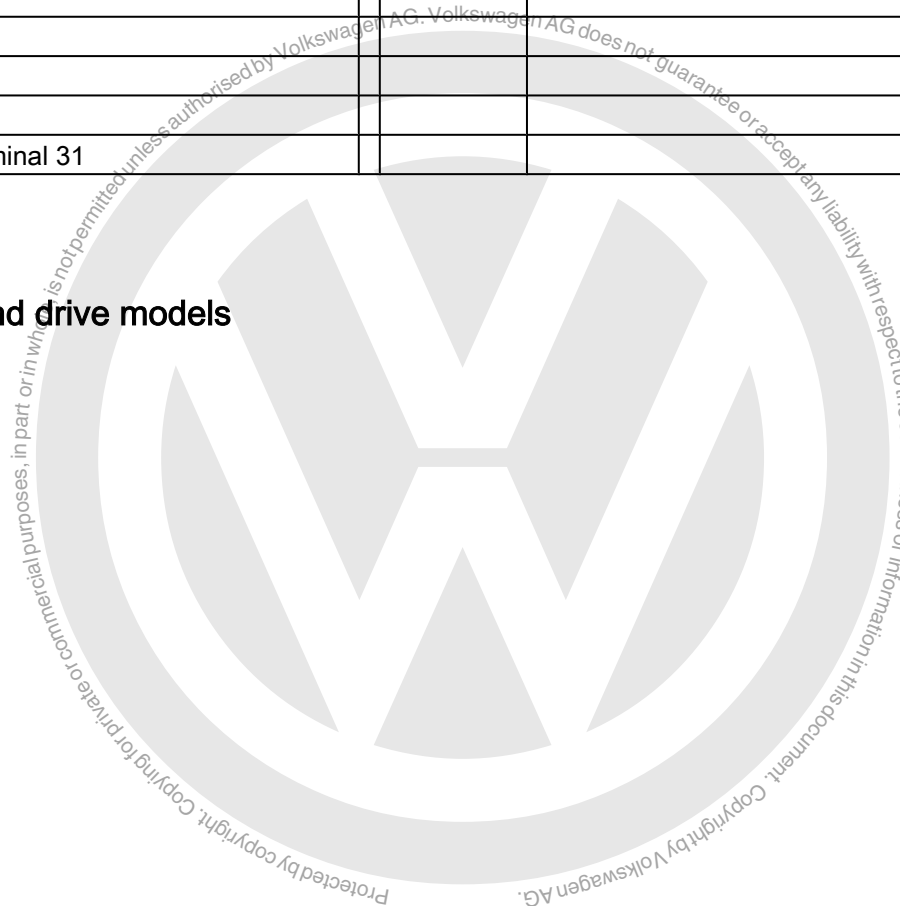
-T26a- (A)	Designation	-T26a- (A)	Designation	-T4ac- (B)	Designation	
5		18				
6		19				
7		20				
8		21				
9		22				
10		23				
11		24				
12		25				
13		26	Terminal 31			

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## 1.16 Heated front seats control unit -J774- , left-hand drive models

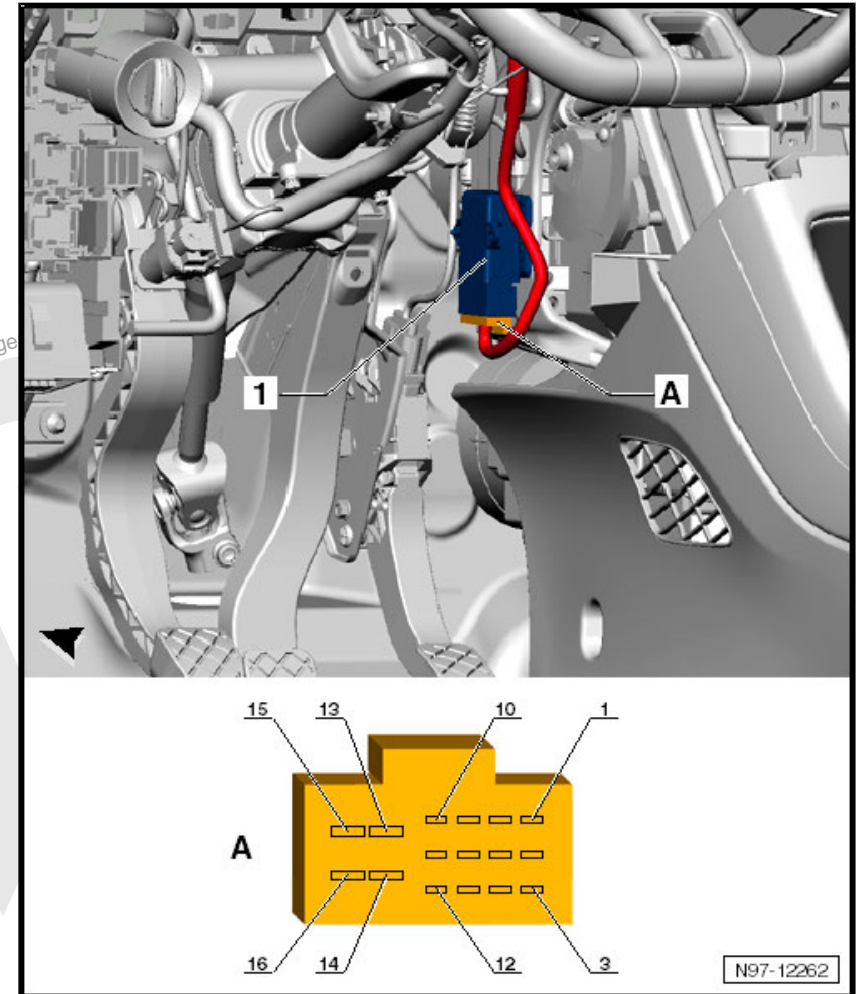
Fitting location:

behind centre console, left



1 - Heated front seats control unit -J774-

A - 16-pin connector -T16a-



Connector assignment for heated front seats control unit -J774-

-T16a- (A)	Designation	
1	Centre switch module 2 in dash panel -EX35- , LED stage 1 right	
2	Centre switch module in dash panel -EX22- , LED stage 2 left	
3	Centre switch module 2 in dash panel -EX35- , LED stage 2 right	
4	Centre switch module in dash panel -EX22- , LED stage 1 left	
5	Onboard supply control unit -J519- , authorisation	

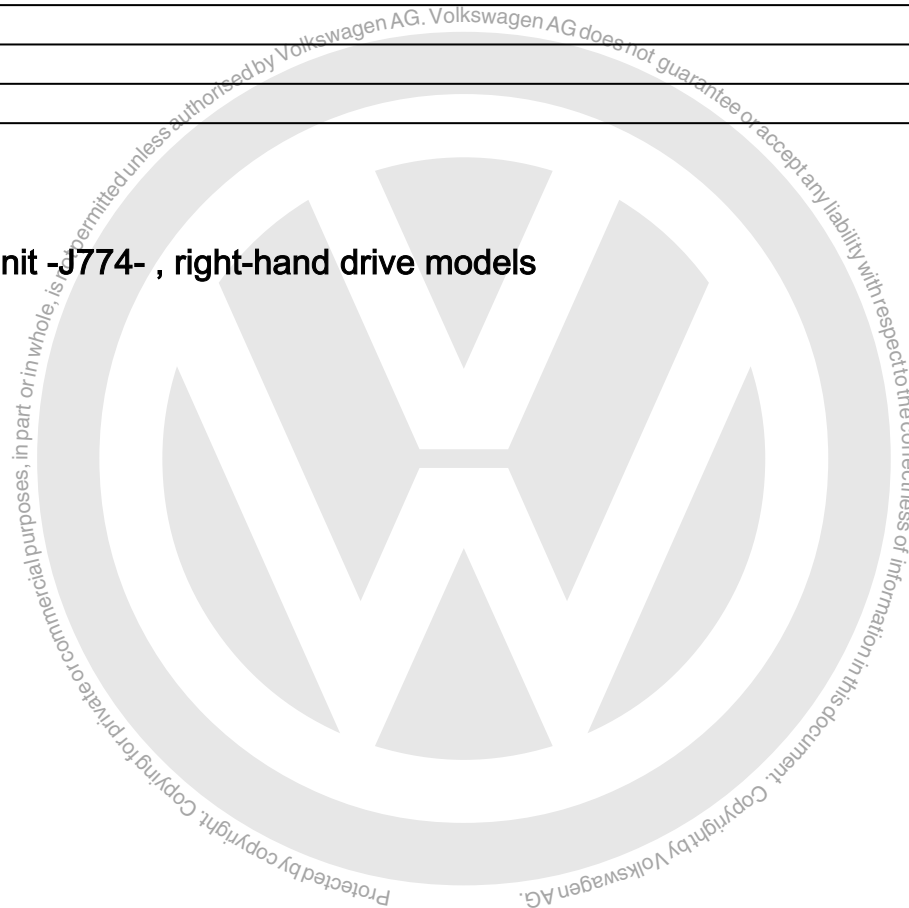
-T16a- (A)	Designation	
6	Centre switch module in dash panel -EX22-	
7		
8		
9	Terminal 31	
10	--	
11	--	
12	Centre switch module 2 in dash panel -EX35-	
13	Kl.75	
14	Kl.75	
15	Seat heating left	
16	Seat heating left	

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## 1.17 Heated front seats control unit -J774- , right-hand drive models

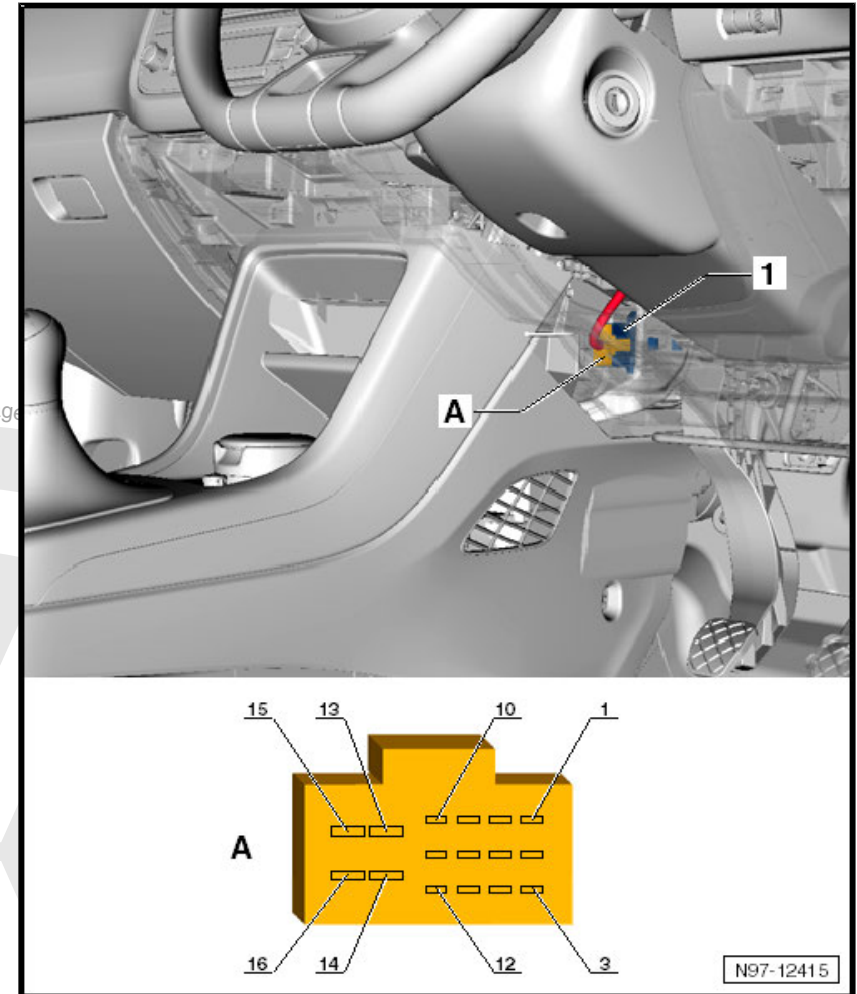
Fitting location:

behind centre console, right



1 - Heated front seats control unit -J774-

A - 16-pin connector -T16a-



Connector assignment for heated front seats control unit -J774-

-T16a- (A)	Designation	
1	Centre switch module 2 in dash panel -EX35- , LED stage 1 right	
2	Centre switch module in dash panel -EX22- , LED stage 2 left	
3	Centre switch module 2 in dash panel -EX35- , LED stage 2 right	
4	Centre switch module in dash panel -EX22- , LED stage 1 left	
5	Onboard supply control unit -J519- , authorisation	

-T16a- (A)	Designation	
6	Centre switch module in dash panel -EX22-	
7		
8		
9	Terminal 31	
10	--	
11	--	
12	Centre switch module 2 in dash panel -EX35-	
13	Kl.75	
14	Kl.75	
15	Seat heating left	
16	Seat heating left	

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## 1.18 Airbag control unit -J234-

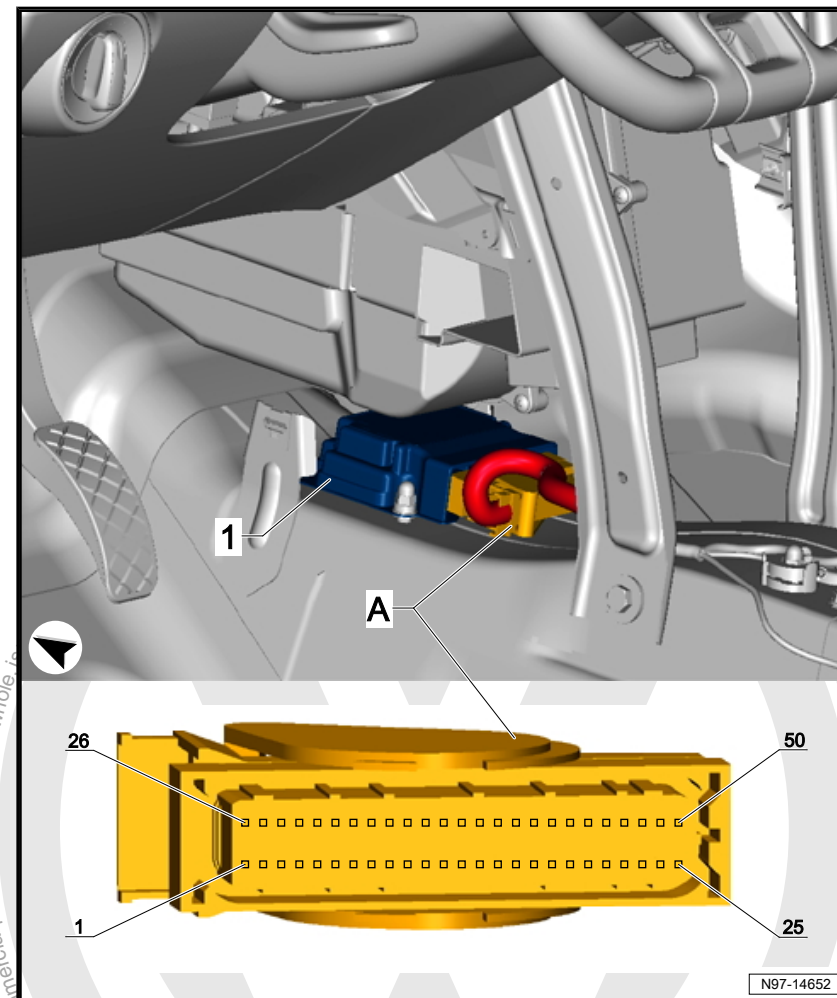
Fitting location:

Behind centre console.



1 - Airbag control unit -J234-

A - 50-pin connector -T50-



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## 1.19 Power steering control unit -J500- , left-hand drive models

Fitting location:

on steering column

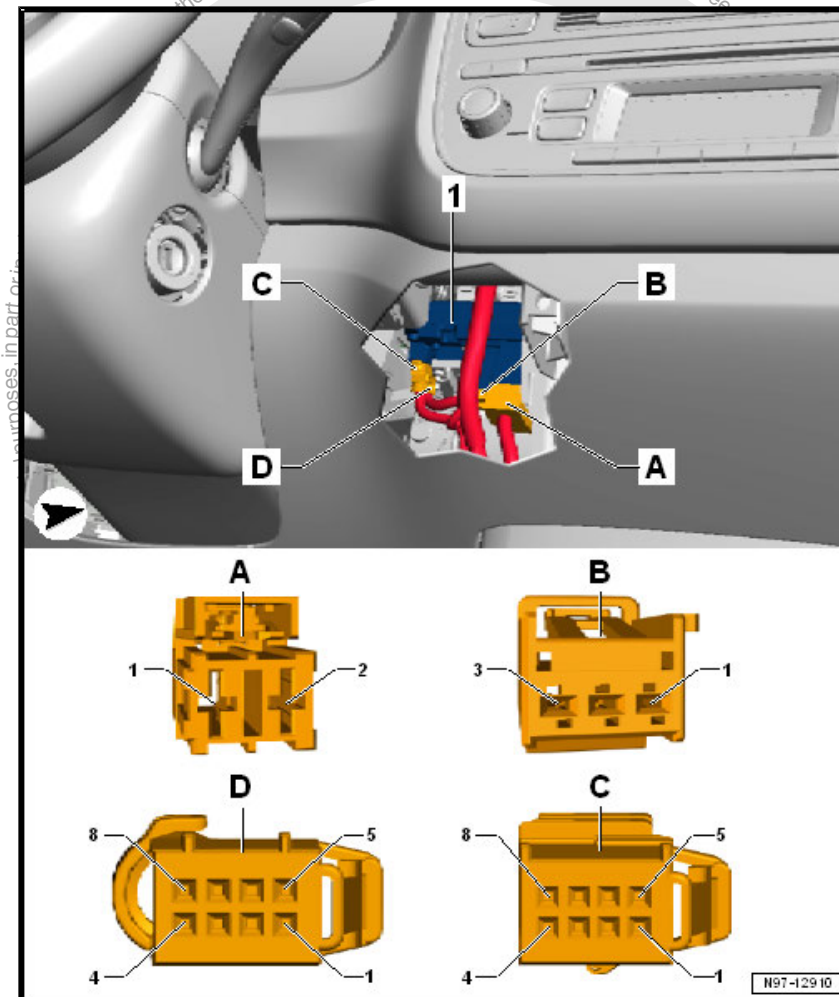
1 - Power steering control unit -J500-

A - 2-pin connector -T2aq-

B - 3-pin connector -T3p-

C - 8-pin connector -T8i-

D - 8-pin connector -T8j-





Connector assignment for power steering control unit -J500-

-T2aq- (A)	Designation	-T3p- (B)	Designation
1	Terminal 31	1	Powertrain CAN bus, low
2	Terminal 30	2	Powertrain CAN bus, high
		3	Terminal 15

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## 1.20 Power steering control unit -J500- , right-hand drive models

Fitting location:

on steering column



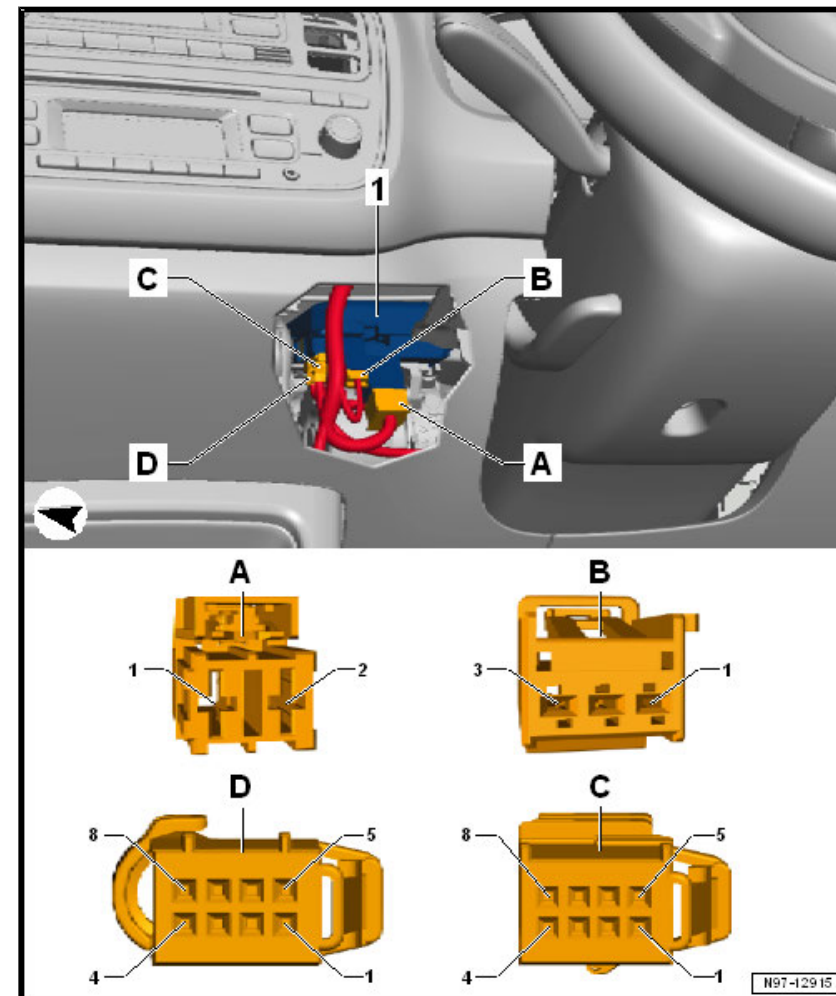
**1 - Power steering control unit -J500-**

**A - 2-pin connector -T2aq-**

**B - 3-pin connector -T3p-**

**C - 8-pin connector -T8i-**

**D - 8-pin connector -T8j-**



**Connector assignment for power steering control unit -J500-**

-T2aq- (A)	Designation	-T3p- (B)	Designation
1	Terminal 31	1	Powertrain CAN bus, low
2	Terminal 30	2	Powertrain CAN bus, high
		3	Terminal 15

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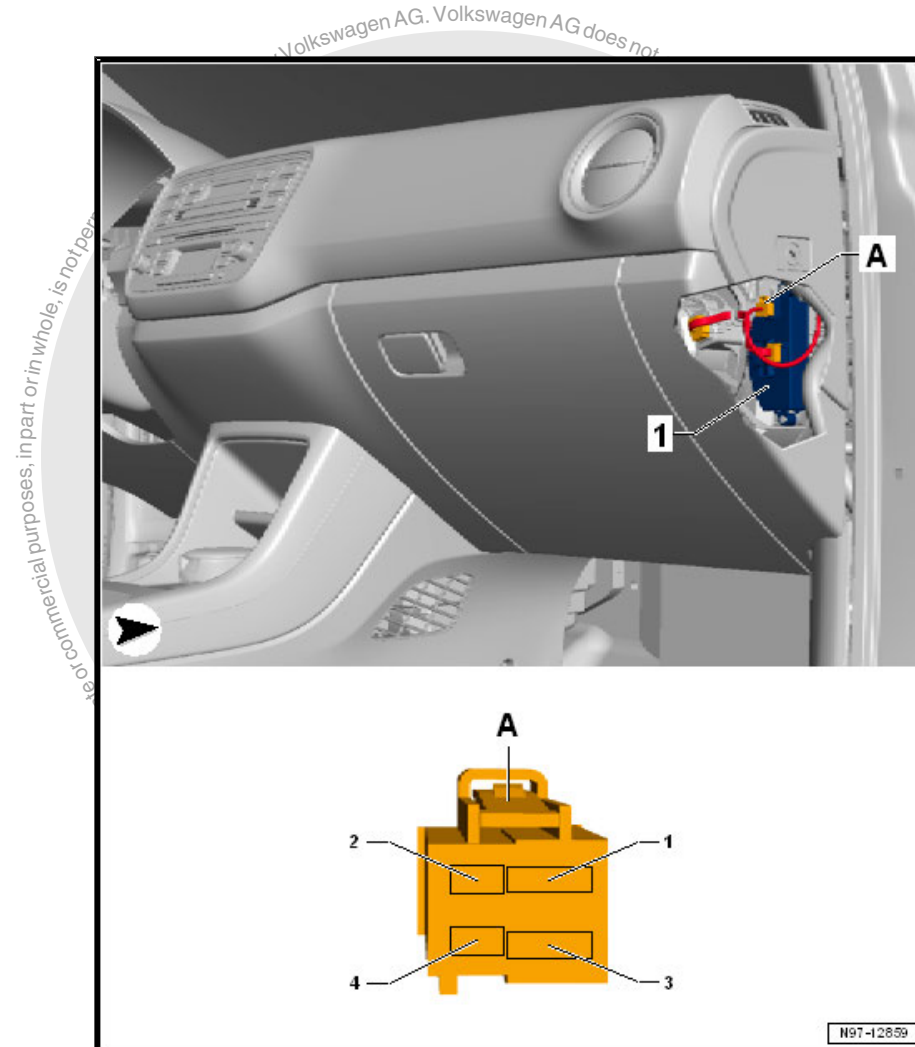
## 1.21 Fresh air blower control unit -J126-

Fitting location:

On heater and air conditioner unit, front passenger footwell.

1 - Fresh air blower control unit -J126-

A - 4-pin connector -T4aa- , black



Connector assignment for fresh air blower control unit -J126-

-T4aa- (A)	Designation	
1	Terminal 31	
2		
3	Terminal 30	
4	LIN bus	

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## 1 Control units in rear part of vehicle

### 1.1 Overview of control units in rear part of vehicle

#### 1 - Sliding sunroof adjustment control unit -J245-

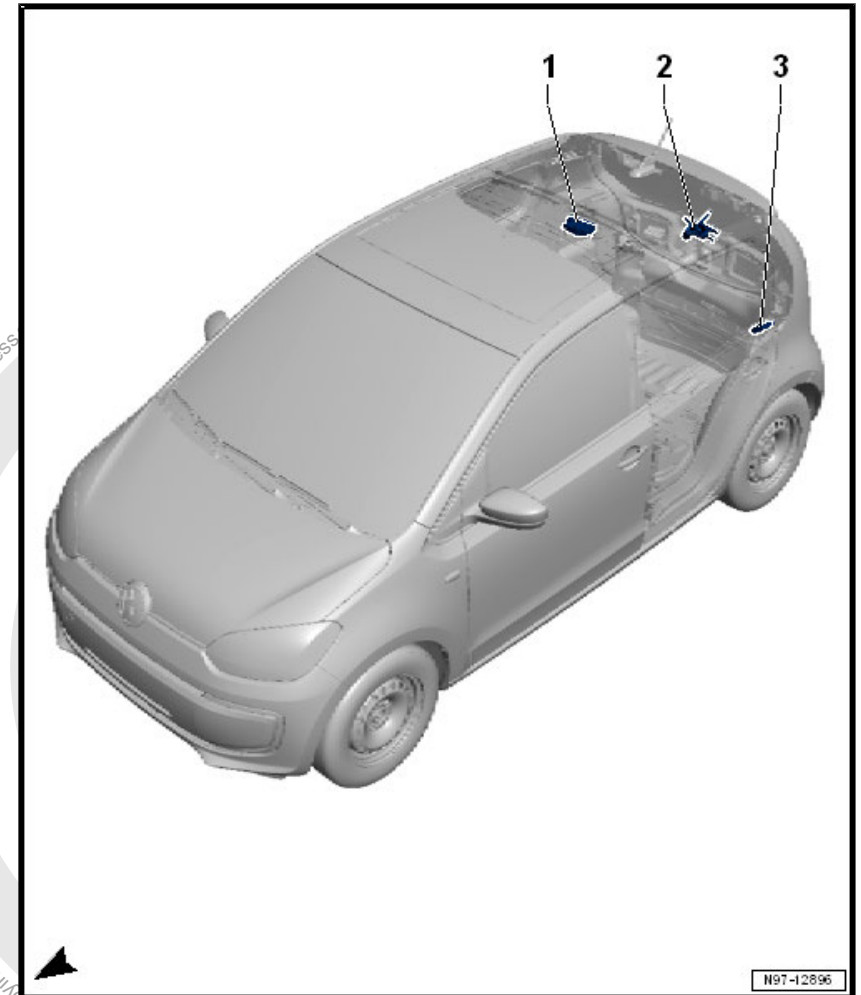
❑ Fitting location ⇒ [page 2](#)

#### 2 - Rear window wiper motor -V12-

❑ Fitting location ⇒ [page 3](#)

#### 3 - Parking aid control unit -J446-

❑ Fitting location ⇒ [page 5](#)



N97-I2896

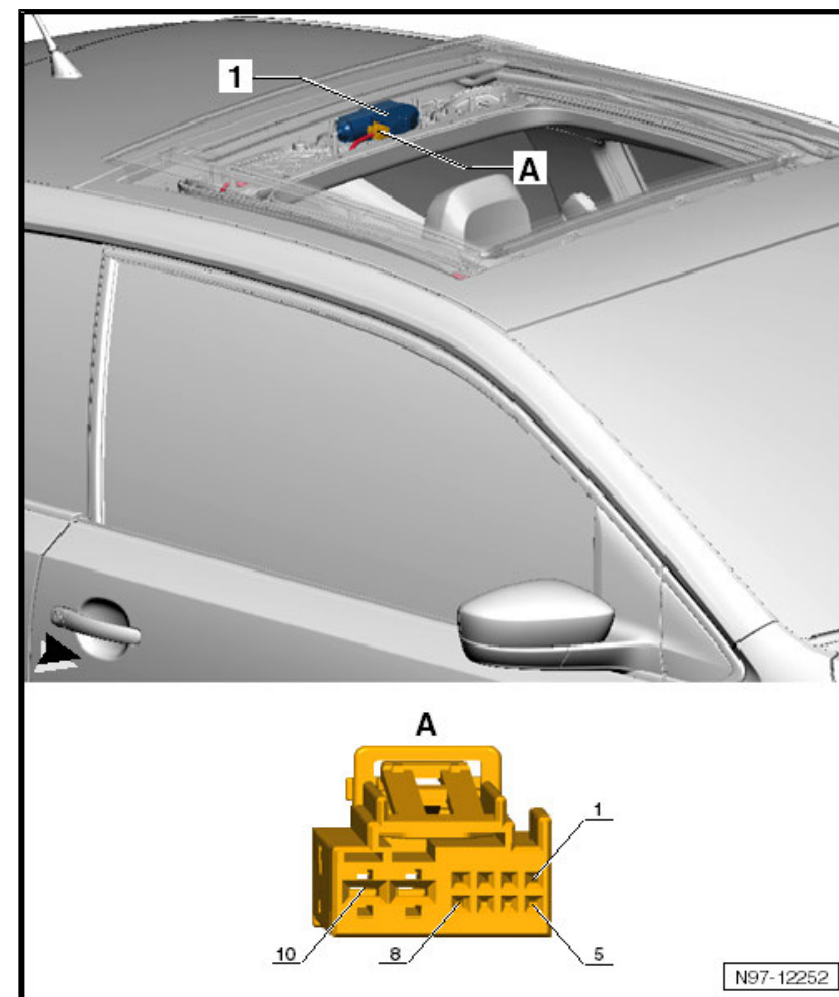
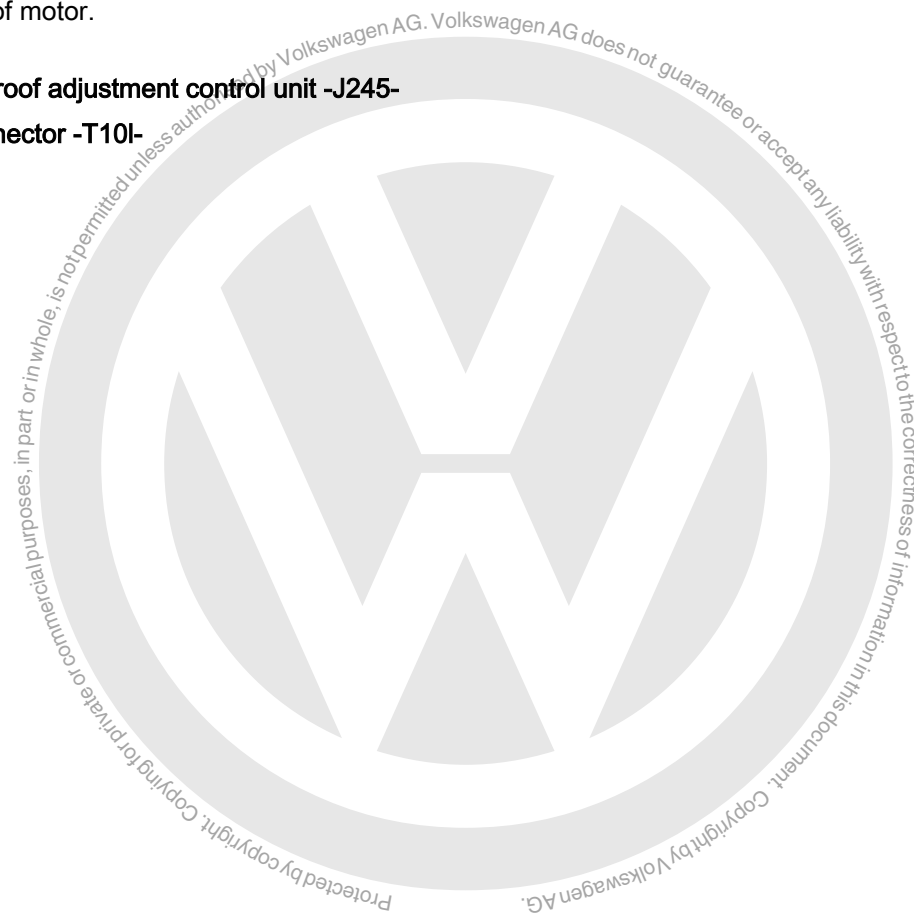
## 1.2 Sliding sunroof adjustment control unit -J245-

Fitting location:

On rear sunroof motor.

1 - Sliding sunroof adjustment control unit -J245-

A - 10-pin connector -T10I-



Connector assignment for sliding sunroof adjustment control unit -J245-

-T10I- (A)	Designation
1	LIN bus
2	Sliding sunroof adjustment regulator -E139- +5V
3	Sliding sunroof adjustment regulator -E139- slider
4	Sliding sunroof adjustment regulator -E139- earth
5	Diagnosis
6	
7	Sunroof button -E325- pull/push
8	
9	Terminal 31
10	Terminal 30

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### 1.3 Rear window wiper motor -V12-

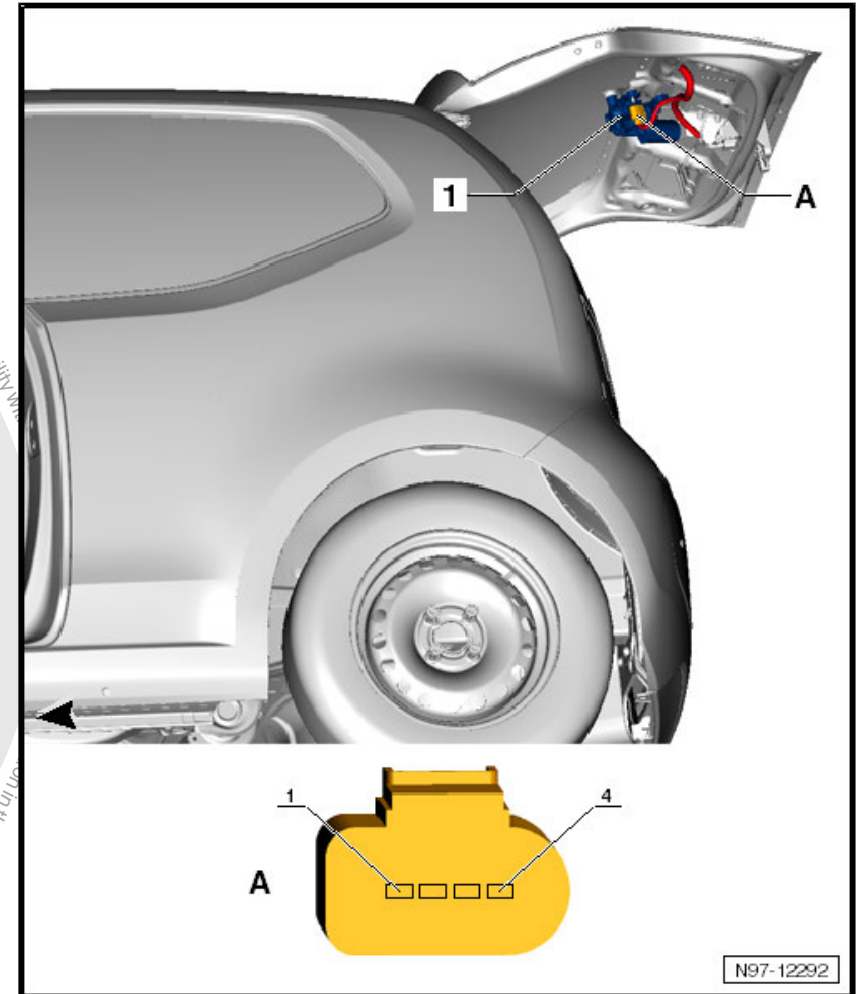
Fitting location:

behind rear lid trim



1 - Rear window wiper motor -V12-

A - 4-pin connector -T4ae- , black



-T4ae- (A)	Designation
1	Terminal 31
2	Steering column switch, intermittent
3	Steering column switch, rear wash
4	Terminal 75



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## 1.4 Parking aid control unit -J446-

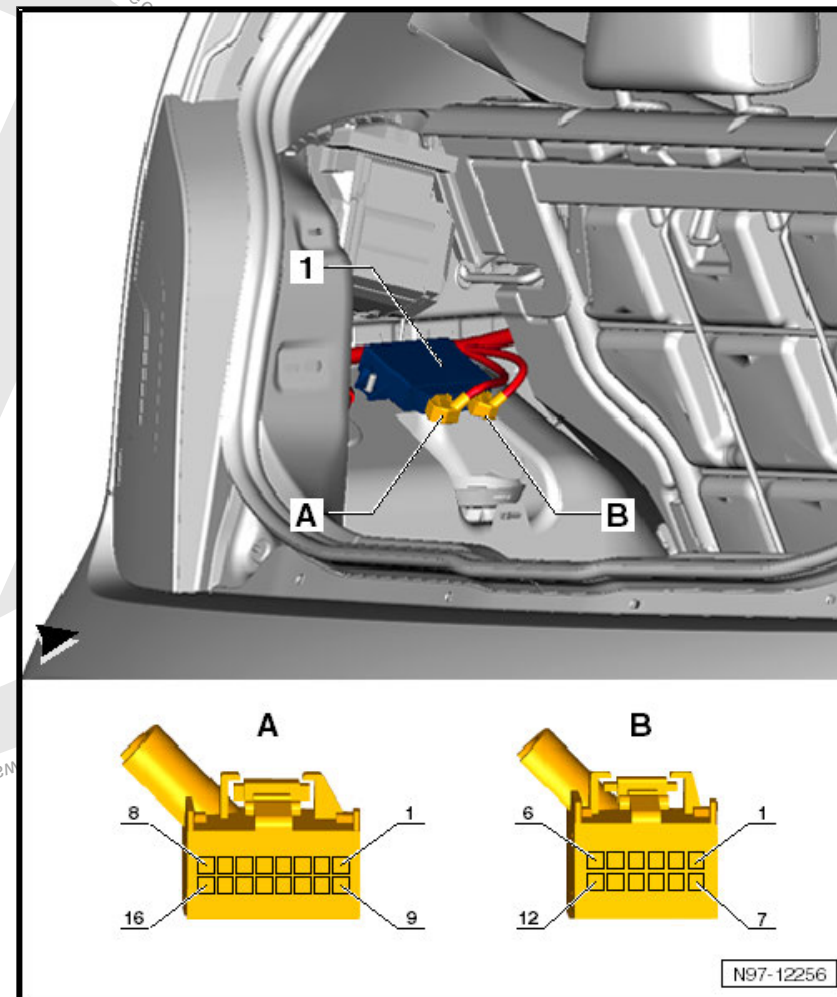
Fitting location:

Behind left side trim in luggage compartment.

1 - Parking aid control unit -J446-

A - 16-pin connector -T16- , brown

B - 12-pin connector -T12c- , black



-T16- (A)	Designation	-T12c- (B)	Designation
1	Terminal 15	1	
2	Rear sound sender signal	2	
3		3	Rear, centre sensor signal
4		4	Rear, right sensor signal
5		5	Rear, left sensor signal
6	Powertrain CAN high	6	
7		7	
8	Terminal 31	8	Rear sensor earth
9		9	
10	Rear sound sender supply	10	
11		11	Rear sensor current
12		12	
13			
14			
15	Powertrain CAN low		
16			

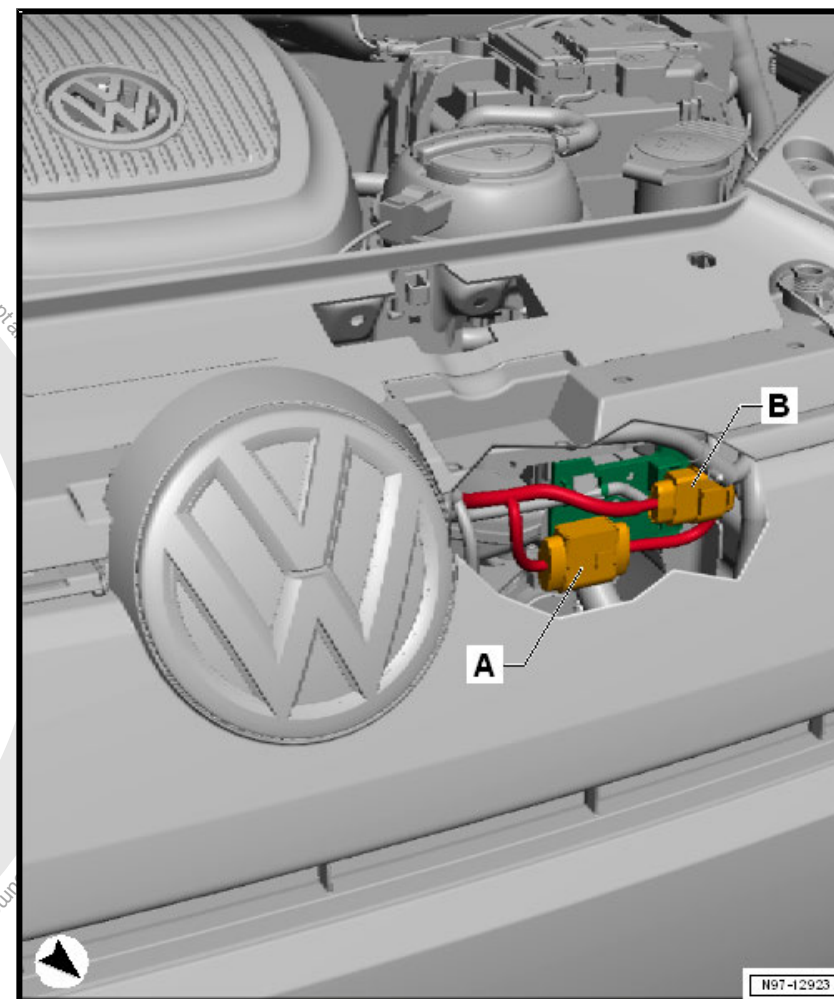
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# 1 Coupling points

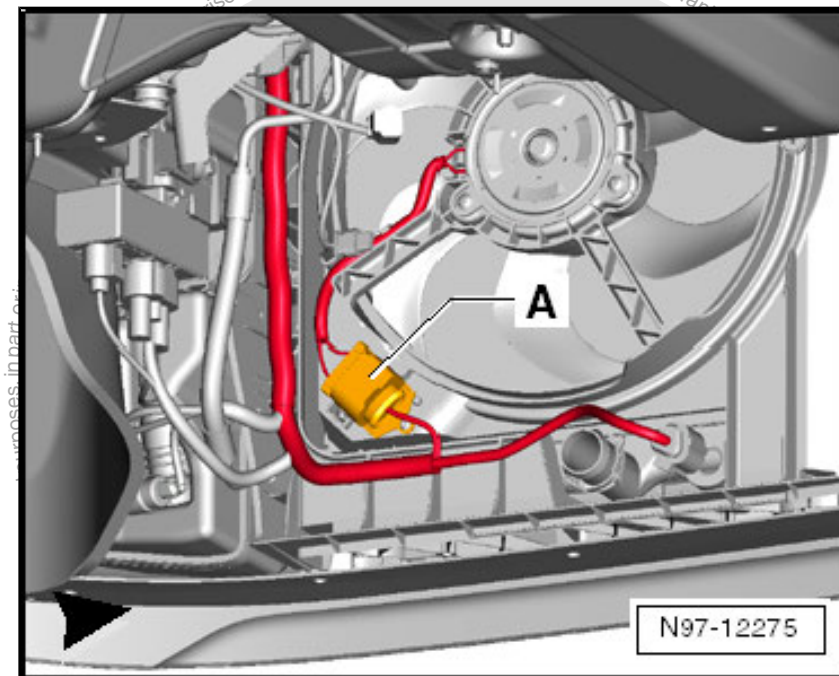
## 1.1 Coupling point in engine compartment, left -TML-

A - 14-pin connector -T14- , black

B - 14-pin connector -T14a- , brown



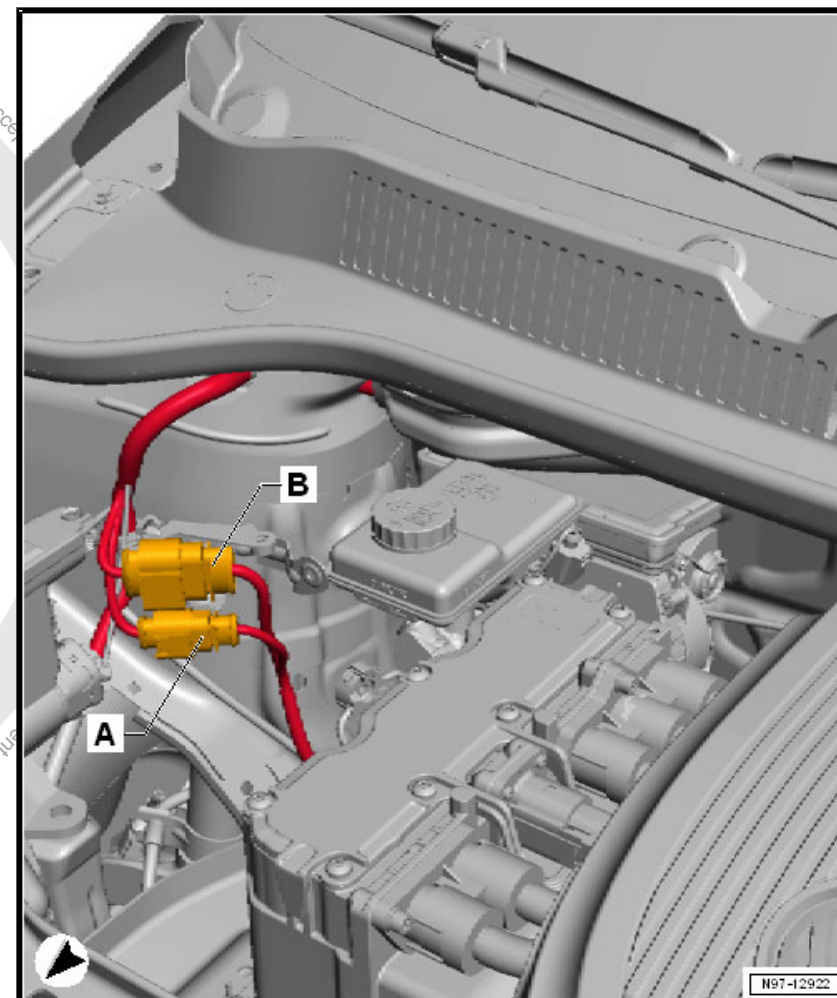
A - 4-pin connector -T4a- , black



## 1.2 Coupling point in engine compartment, right -TMR- , right-hand drive models

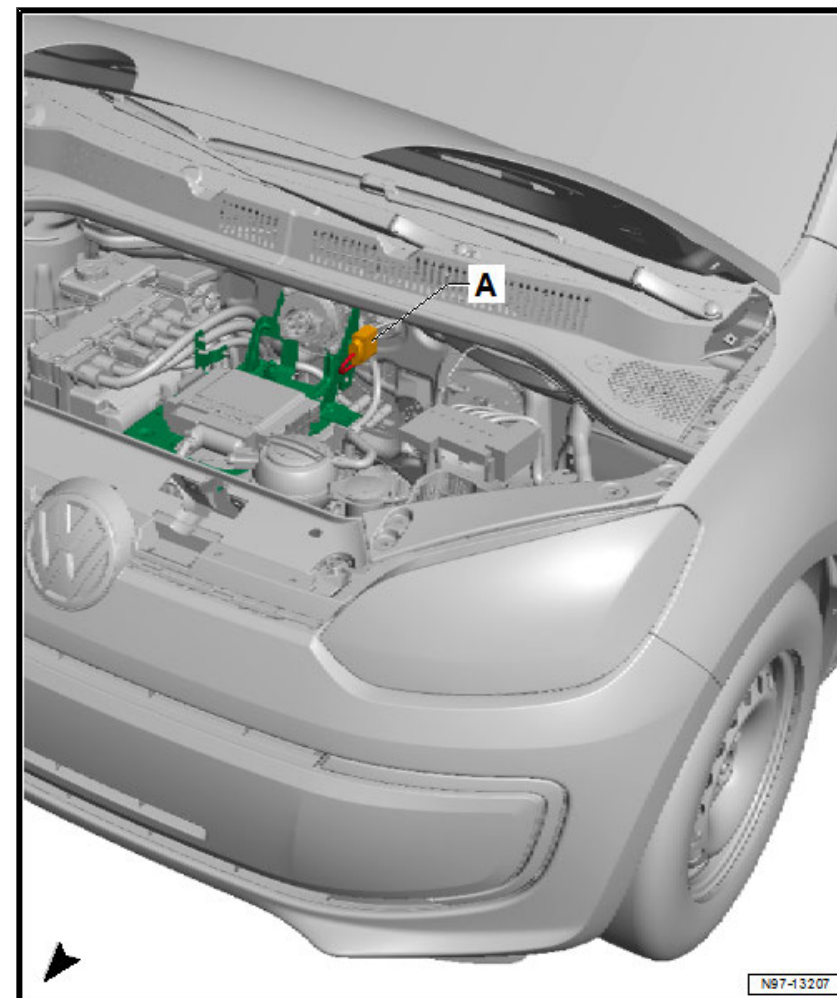
A - 8-pin connector -T8g- , black

B - 3-pin connector -T3ad- , black



### 1.3 Coupling point on charging socket in engine compartment -TMM- , right-hand drive models

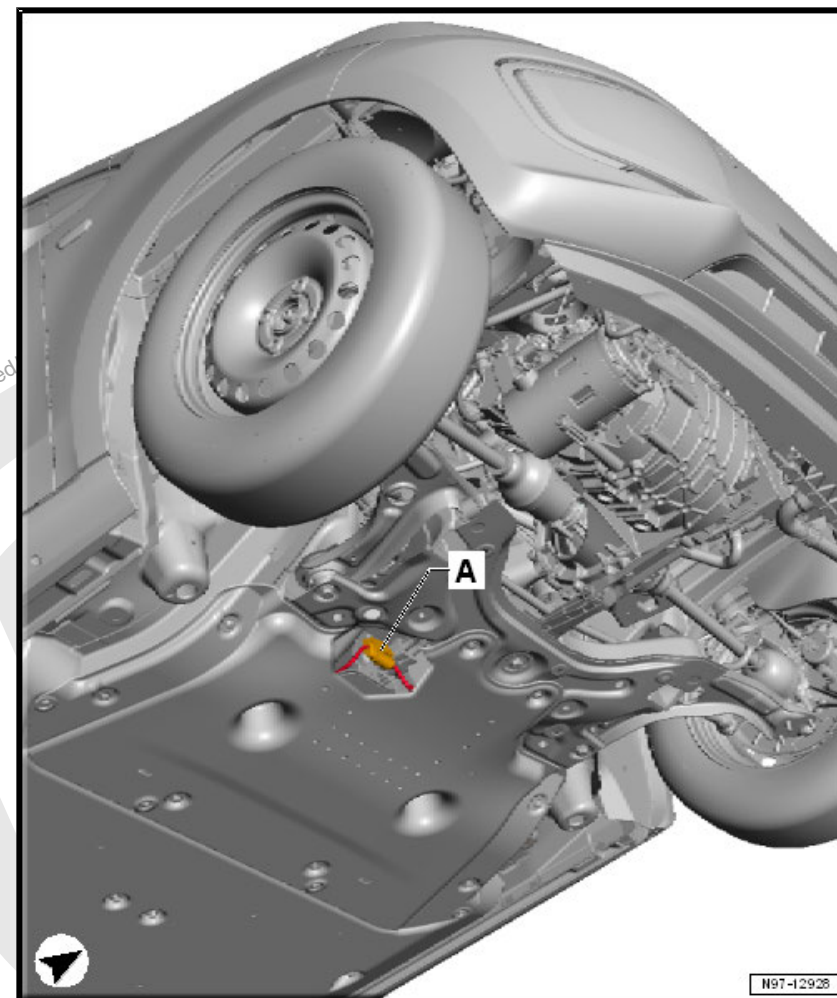
A - 10-pin connector -T10ar- , black





## 1.4 Coupling point on engine, bottom right -TMUR-

A - 14-pin connector -T14c- , black



## 1.5 Coupling point in interior, below right -TIUR-, right-hand drive models

A - 6-pin connector -T6p-, black

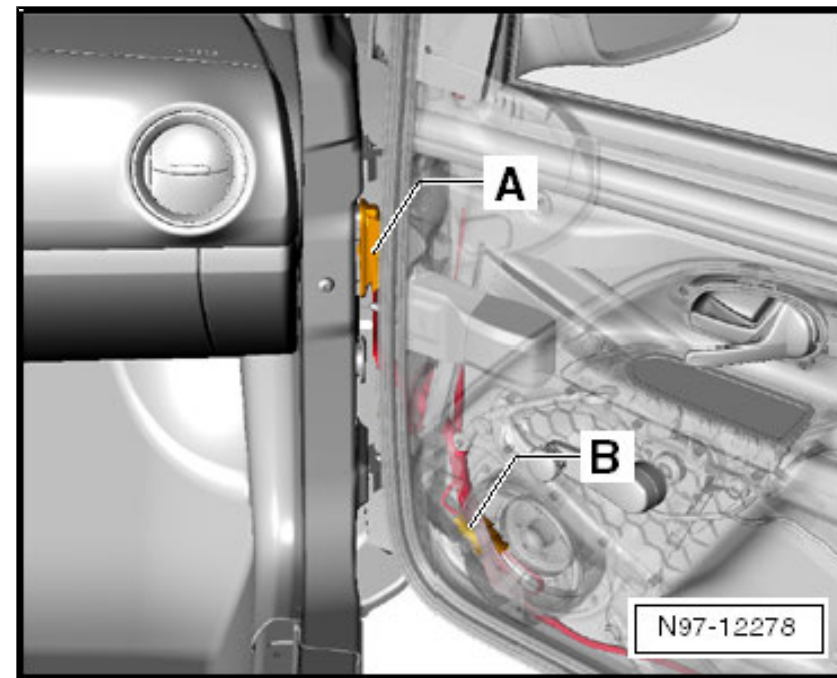




## 1.6 Coupling point on front right door -TTVR-

A - 28-pin connector -T28a- / -T28e-

B - 5-pin connector -T5e- / -T5l-

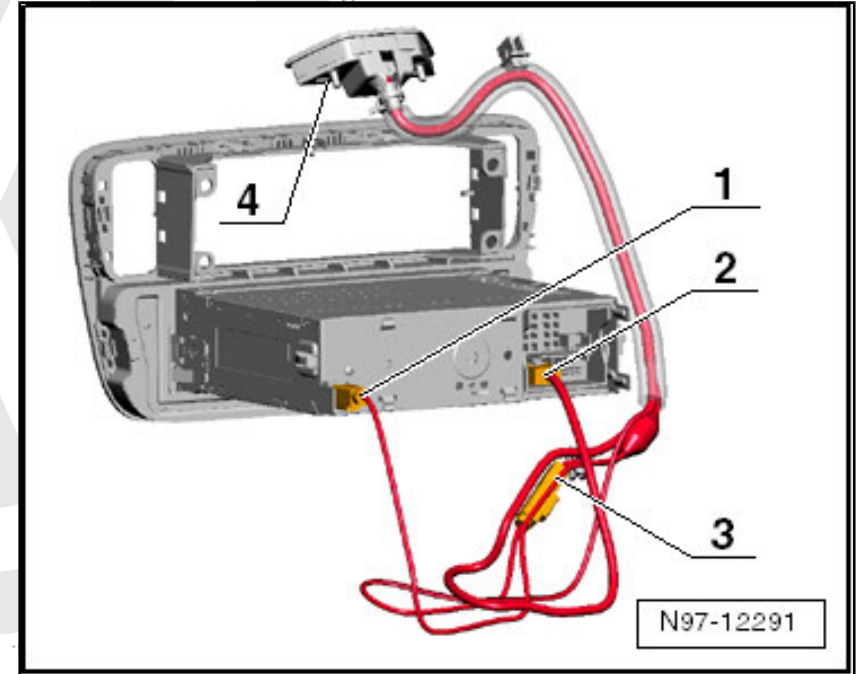




**Note**

*applicable up to August 2016*

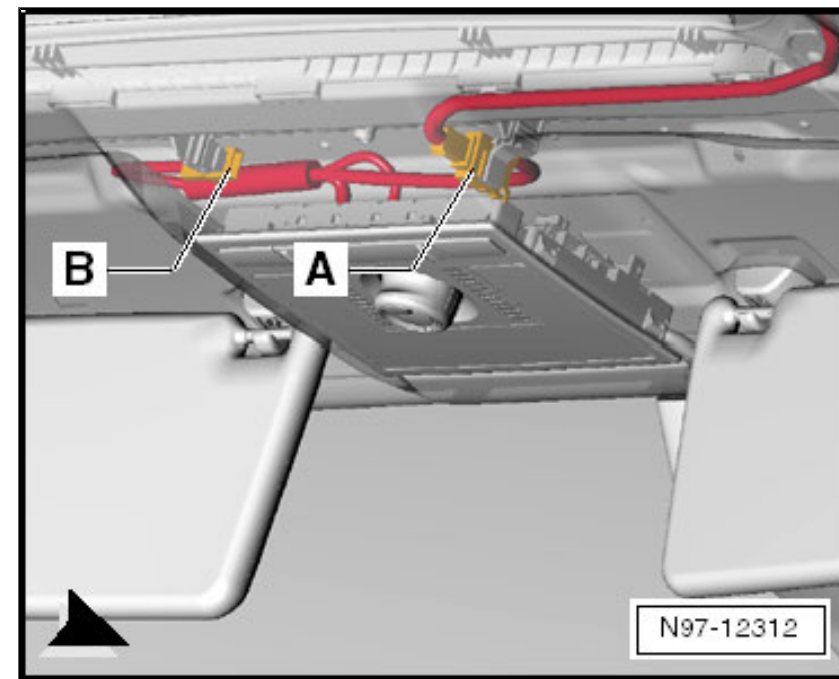
- 1 - 2-pin connector -T2bn- -
- 2 - 12-pin connector -T12b- -
- 3 - 2-pin connector -T2bm-
- 4 - Interface for portable navigation and infotainment system -J983-



## 1.7 Coupling point for roof -TH-

A - 2-pin connector -T2p- -, black

B - 4-pin connector -T4p- , red



## 1.8 Coupling point for front right seat -TSVR-

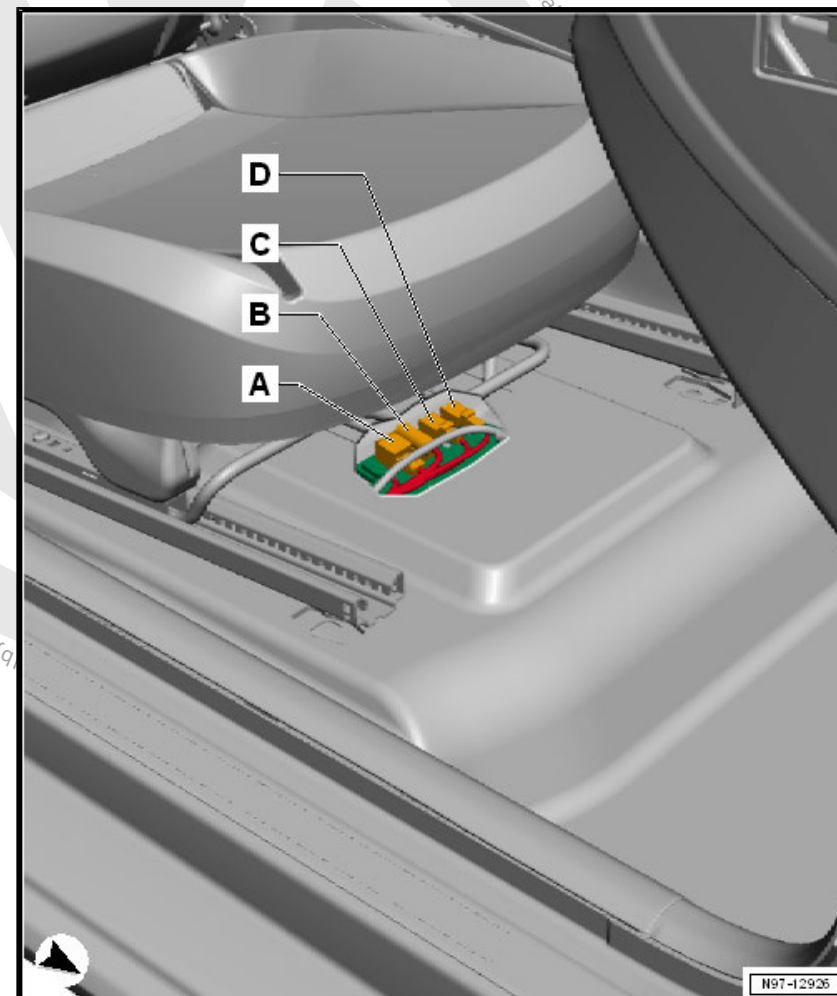
### 1.8.1 Coupling point for front right seat -TSVR- , LHD models

A - 2-pin connector -T2ap-

B - 3-pin connector -T3m- , yellow

C - 2-pin connector -T2x- , red

D - 2-pin connector -T2ao- , green

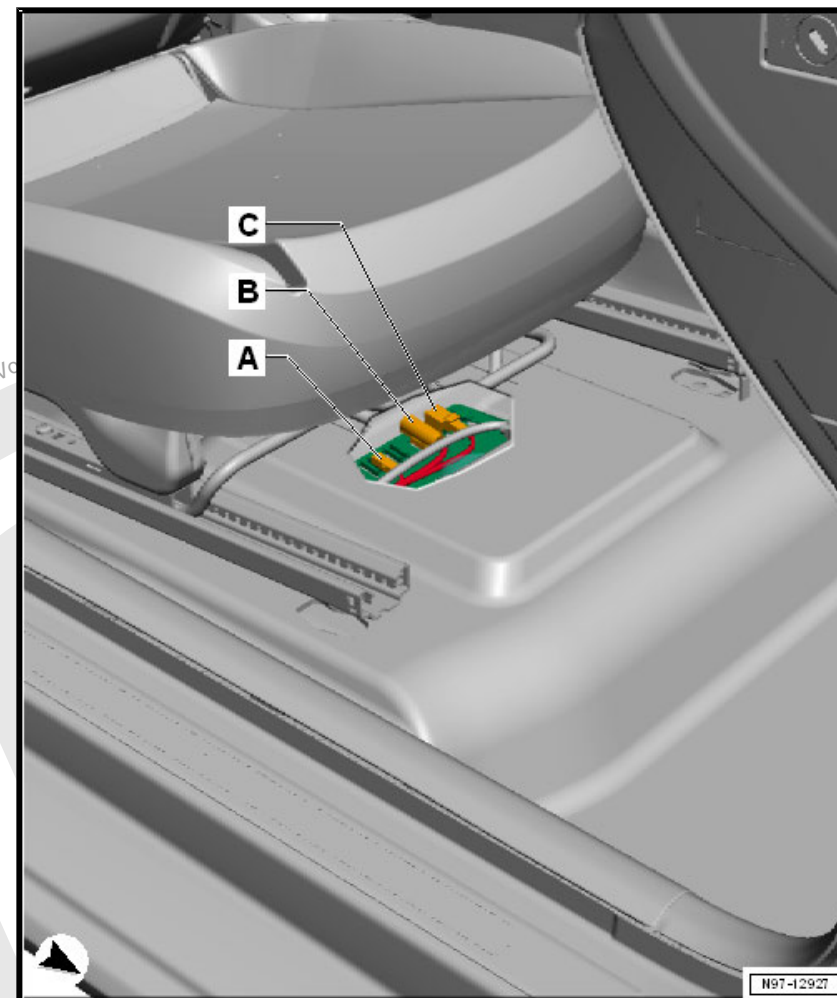


## 1.8.2 Coupling point for front right seat -TSVR- , RHD models

A - 2-pin connector -T2an- , green

B - 3-pin connector -T3c- , yellow

C - 2-pin connector -T2x- , red



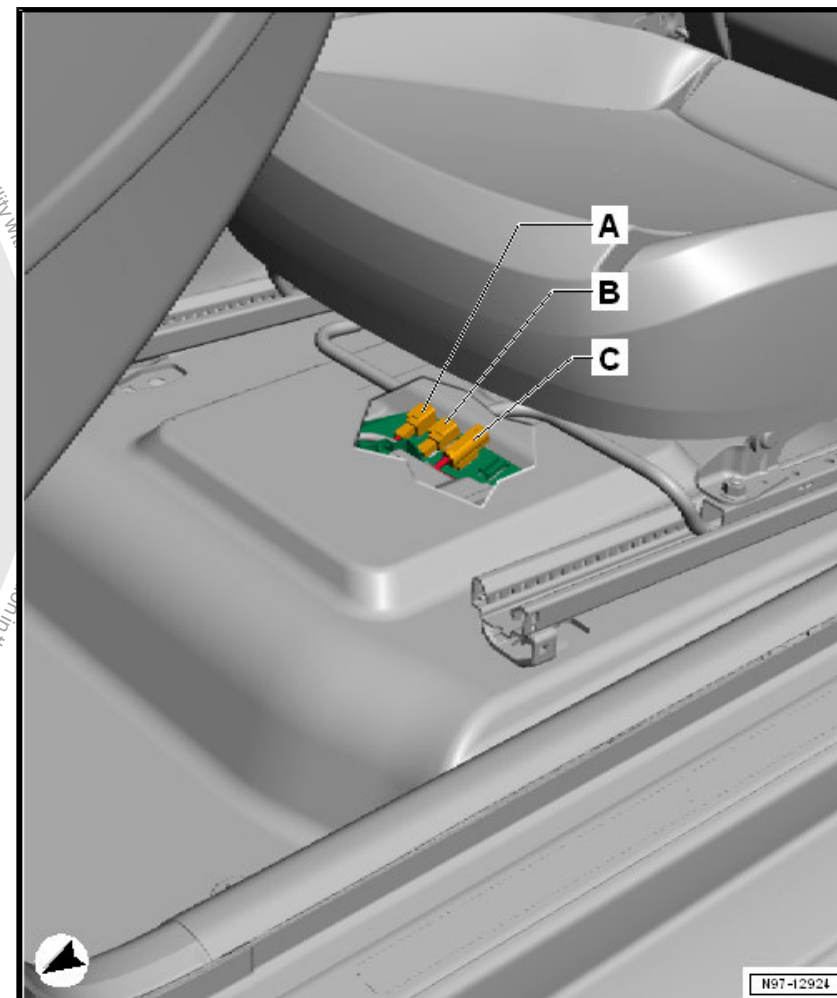
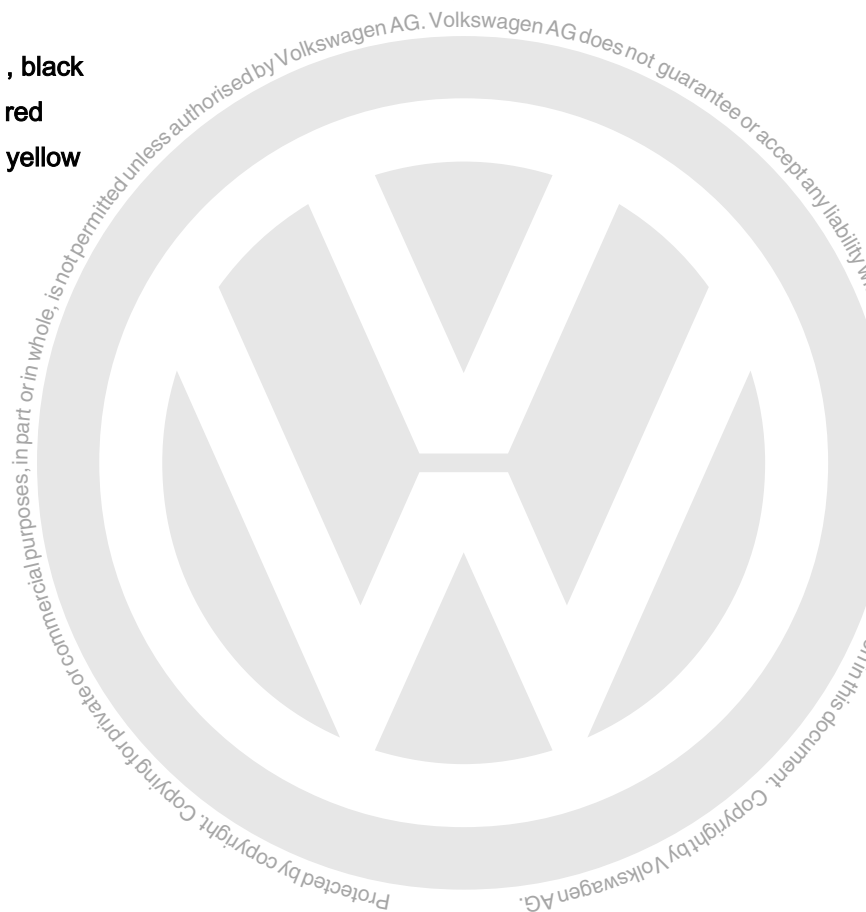
## 1.9 Coupling point for front left seat -TSVL-

### 1.9.1 Coupling point for front left seat -TSVL- , LHD models

A - 2-pin connector -T2an- , black

B - 2-pin connector -T2v- , red

C - 3-pin connector -T3c- , yellow



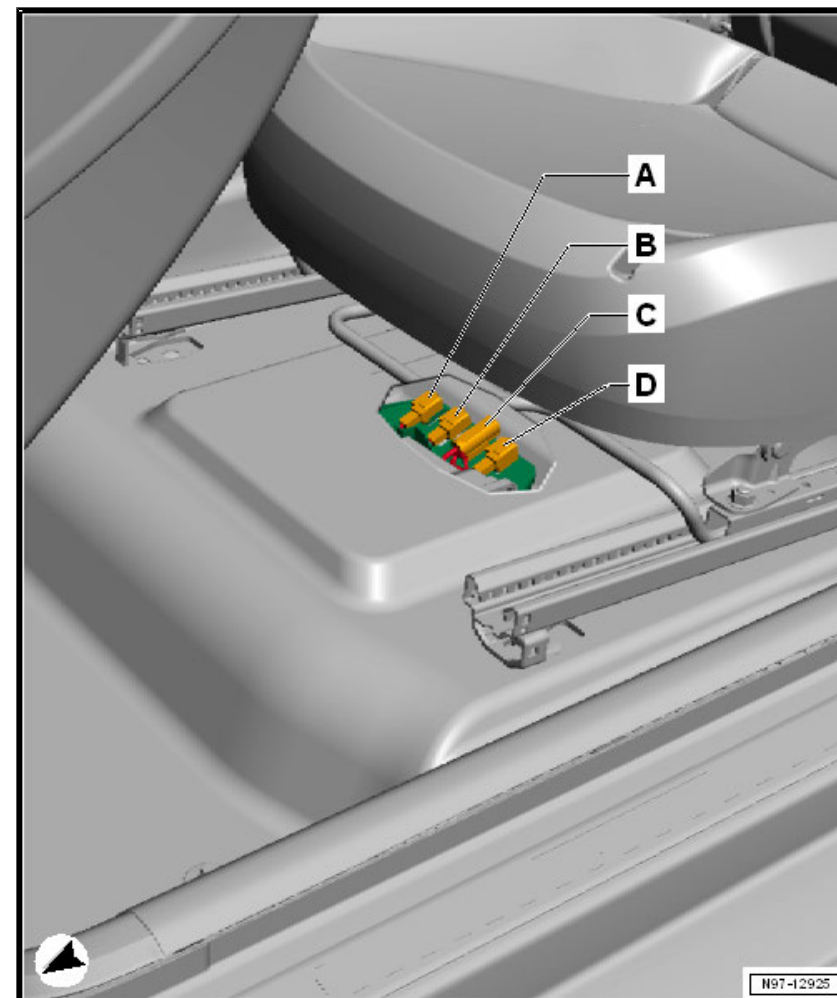
## 1.9.2 Coupling point for front left seat -TSVL- , RHD models

A - 2-pin connector -T2ap-

B - 2-pin connector -T2x- , red

C - 3-pin connector -T3m- , yellow

D - 2-pin connector -T2ao- , black

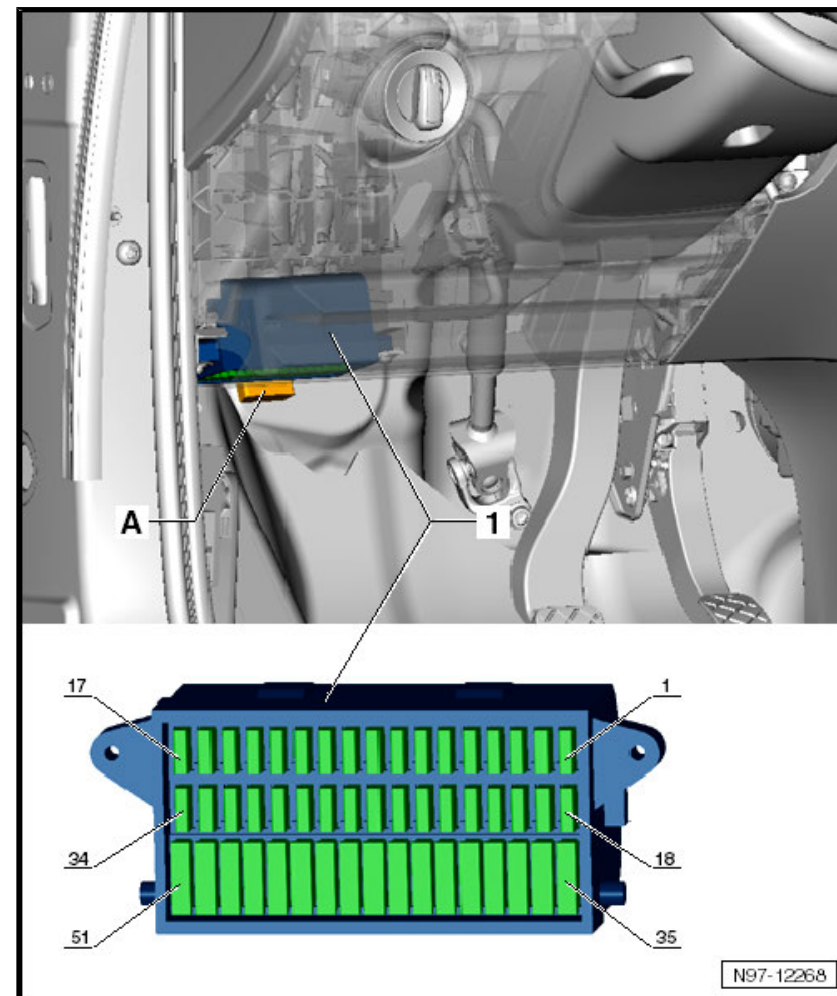




## 1.10 Diagnostic connection -U31-

### 1.10.1 Diagnostic connection -U31- , LHD models

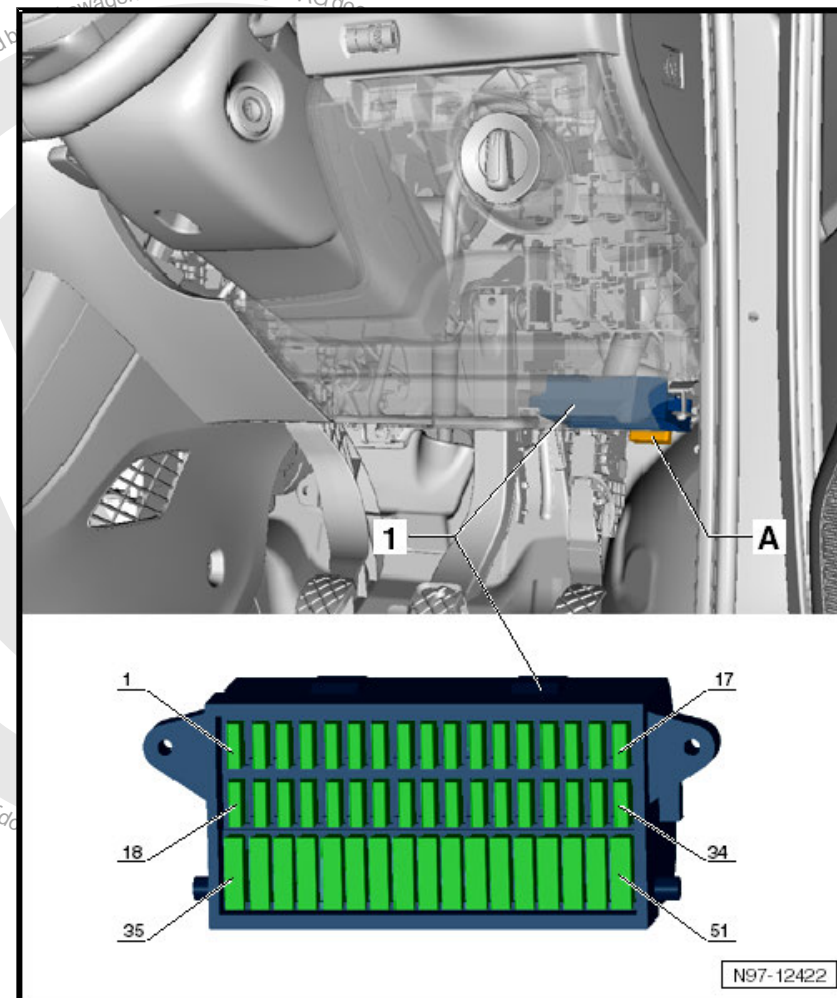
A - 16-pin connector -T16f-





## 1.10.2 Diagnostic connection -U31- , RHD models

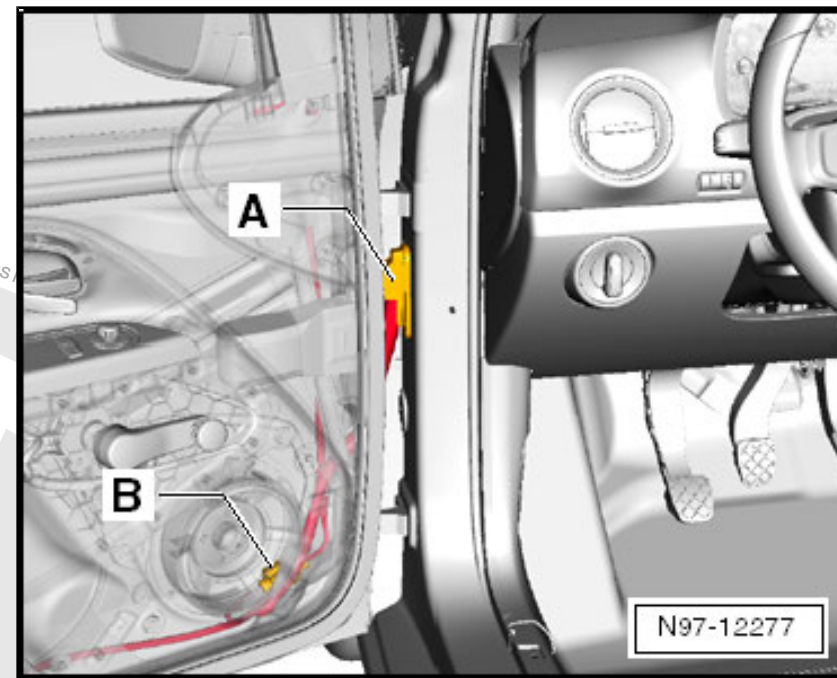
A - 16-pin connector -T16f-



## 1.11 Coupling point on front left door -TTVL-

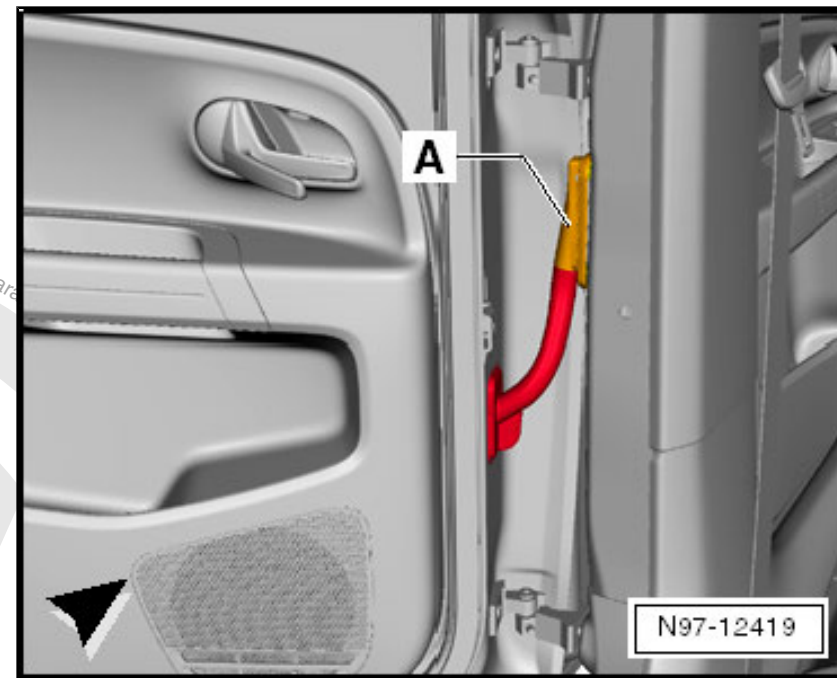
A - 28-pin connector -T28- / -T28d-

B - 8-pin connector -T8f- / -T8h-



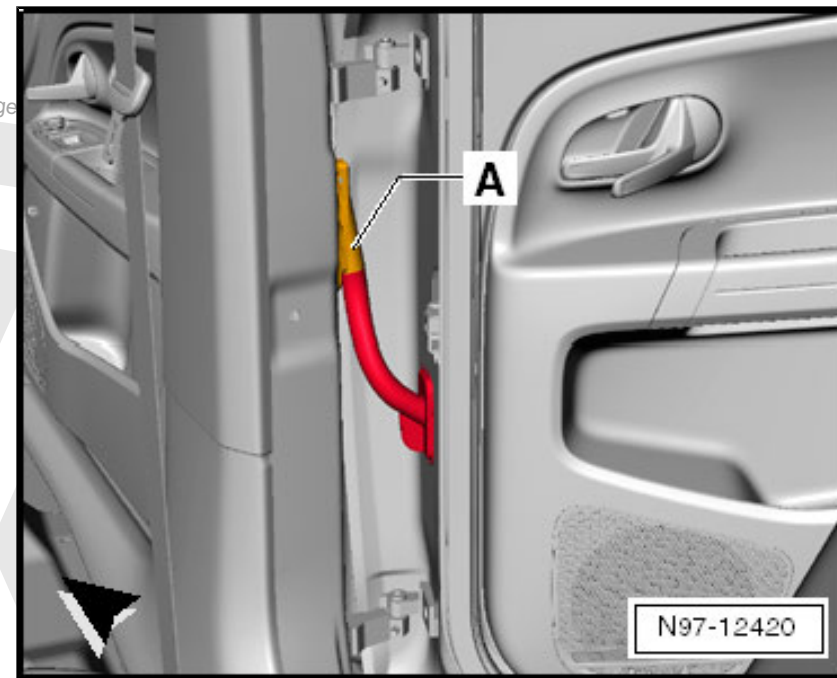
## 1.12 Coupling point on rear left door -TTHL-

A - 28-pin connector -T28b- / -T28f-



## 1.13 Coupling point on rear right door -TTHR-

A - 28-pin connector -T28c- / -T28g-



## 1.14 Coupling point on rear lid -THK-

### 1.14.1 Coupling point on rear lid -THK- , from July 2013

A - 2-pin connector -T2cf- , blue

B - 2-pin connector -T2cg- , Bordeaux violet

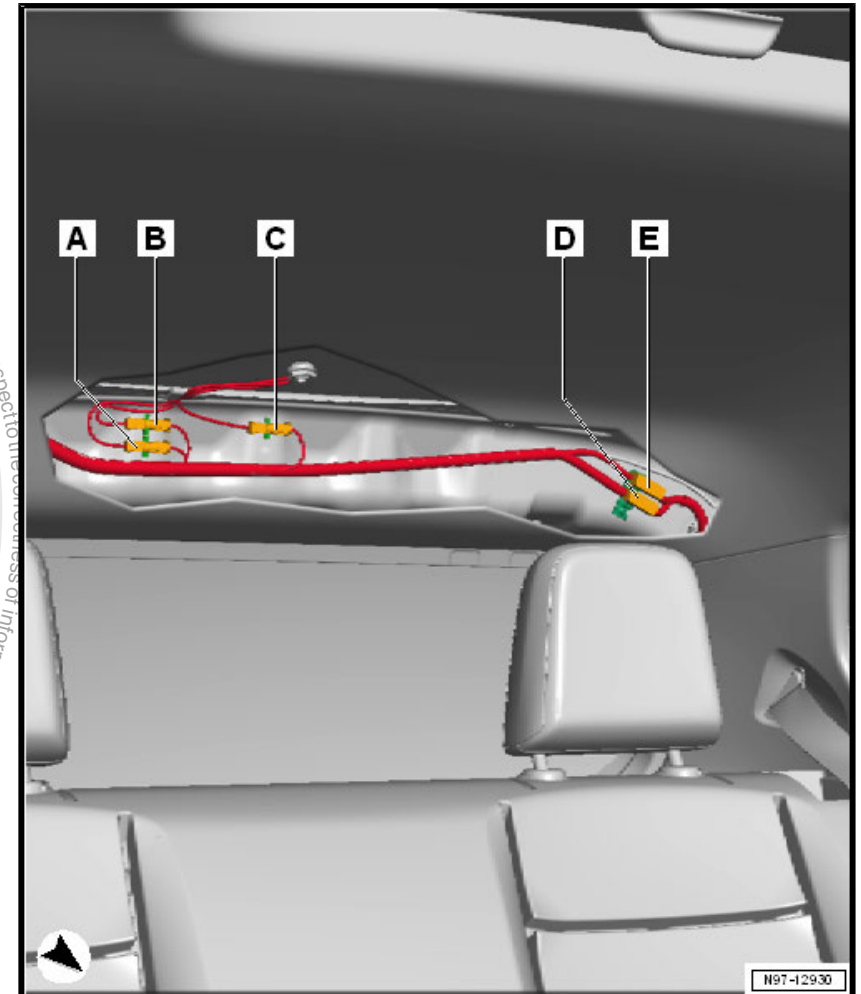
C - 2-pin connector -T2g- , white

D - 5-pin connector -T5d- / -T5n- , black

□ Up to August 2016

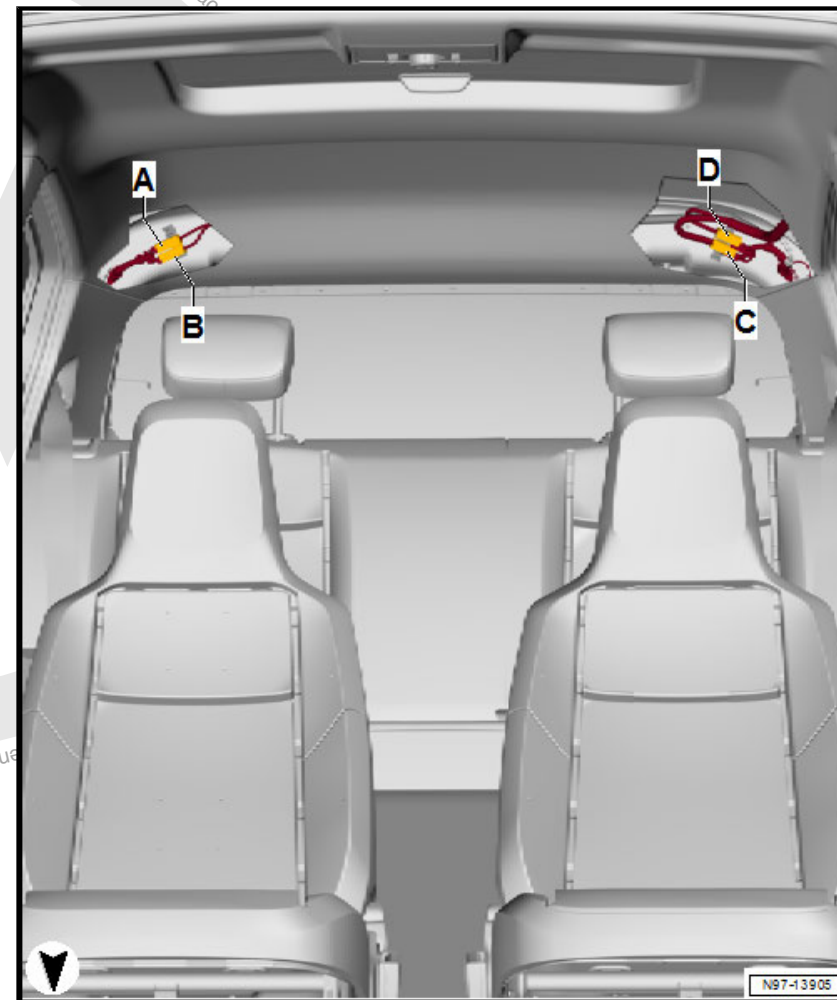
E - 5-pin connector -T5c- / -T5m- , brown

□ Up to August 2016



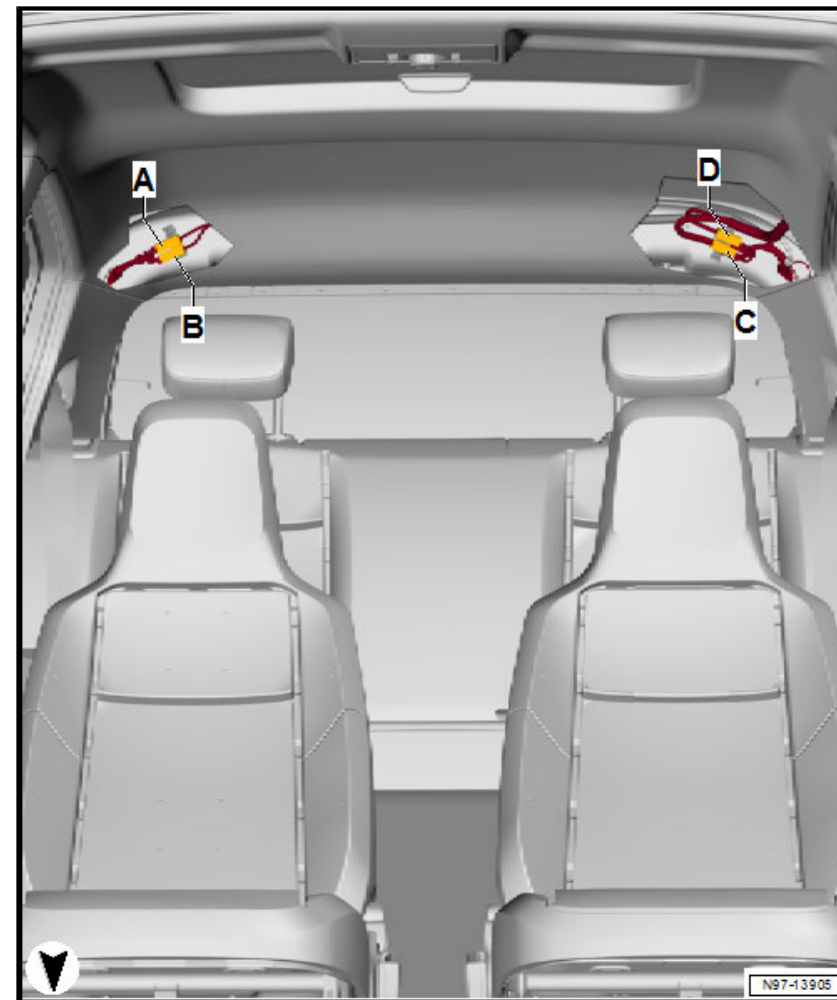
### 1.14.2 Coupling point for rear lid -THK- , from August 2016

- A - 5-pin connector -T5m- , brown
- B - 5-pin connector -T5d- , black
- C - 2-pin connector -T2ej- , green
- Left aerial module -R108-
- D - 5-pin connector -T5c- , black



### 1.14.3 Coupling point for rear lid -THK- , from November 2017

- A - not assigned
- B - not assigned
- C - 5-pin connector -T5c- , brown
- D - 5-pin connector -T5d- , black





## 1.15 Coupling point on rear left bumper -TSFHL-

**A - 8-pin connector -T8b- , black**

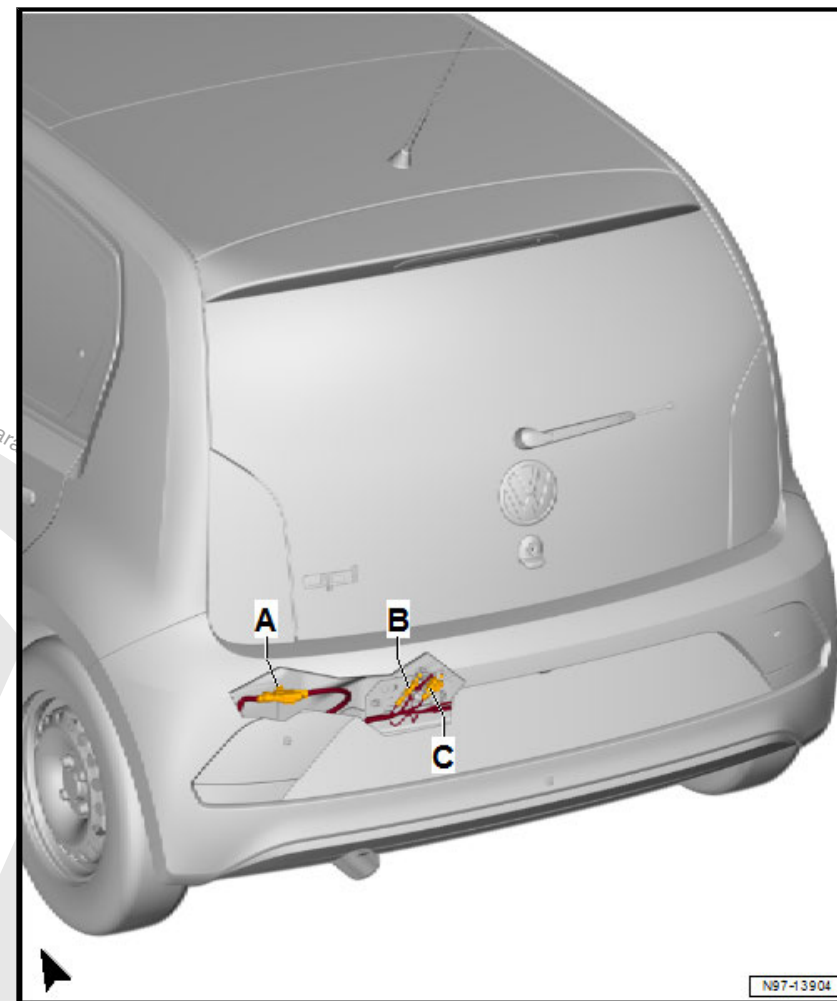
- ☐ Coupling point for parking aid

**B - 2-pin connector -T2ek- , white**

- ☐ Coupling point for reversing camera

**C - 4-pin connector -T4ao- , black**

- ☐ Coupling point for reversing camera





## 1.16 Coupling point at rear right on charging socket -TCR-

**A - 10-pin connector -T10a-**

**B - 4-pin connector -T4f-**

