

Golf

Current Flow Diagram

No. 153 / 1

Edition 07.2007

Climatronic

From May 2006

Notes:

For information concerning

- ◆ Relay and fuse assignment
- ◆ Multi-pin connectors
- ◆ Control units and relays
- ◆ Earth connections

→ List of Fitting Locations!

For information concerning

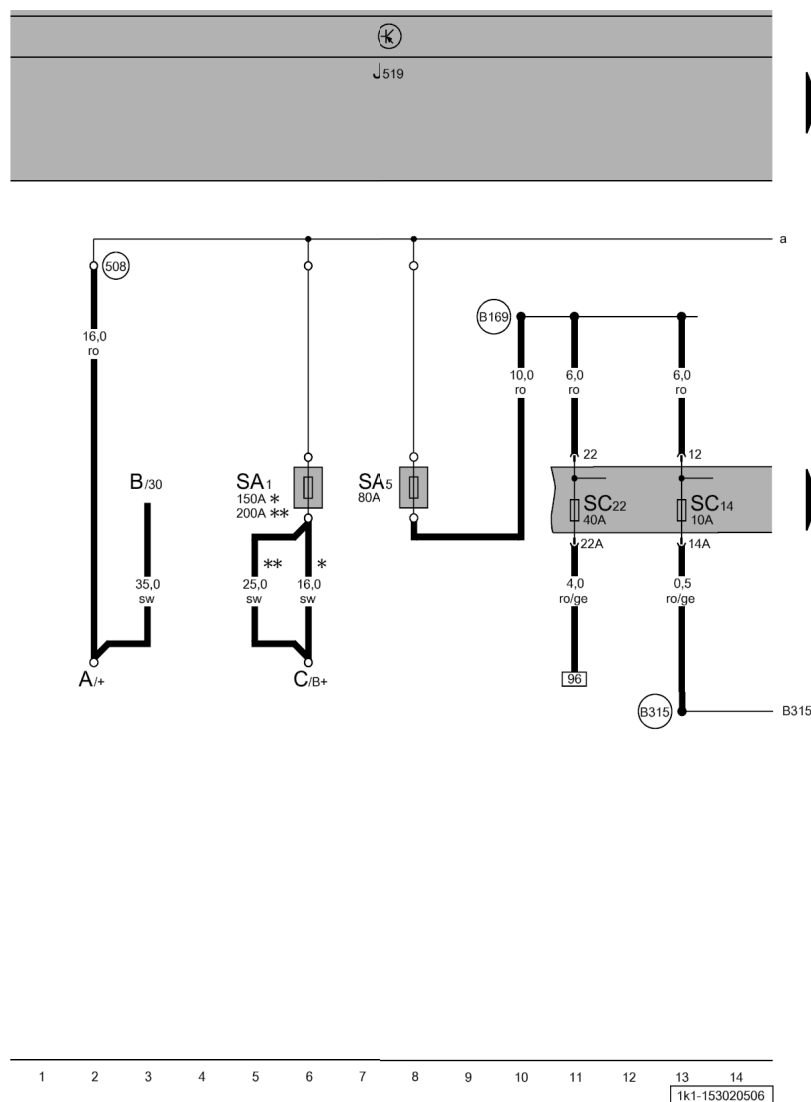
- ◆ Fault Finding Programs

→ Guided Fault Finding

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**Fuse SA1, SA5, SC14, SC22**

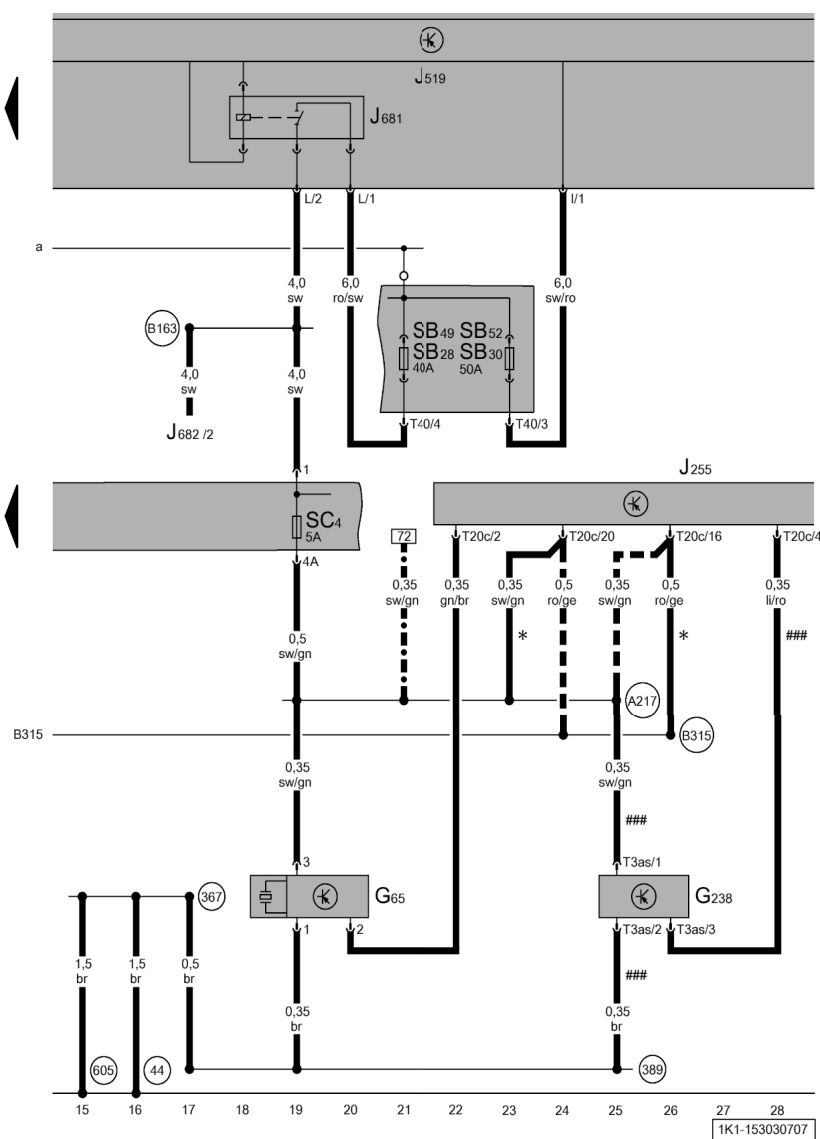
- A - Battery
- B - Starter
- C - Alternator
- J519 - Onboard supply control unit
- SA1 - Fuse 1 on fuse holder A
- SA5 - Fuse 5 on fuse holder A
- SC14 - Fuse 14 on fuse holder C
- SC22 - Fuse 22 on fuse holder C
- 508 - Screw connection (30) on E-box
- B162 - Connection (75a), in interior wiring harness
- B169 - Positive connection 1 (30), interior wiring harness
- B315 - Connection 1 (30a), in main wiring harness
- * - Models with 90 A/120 A alternator
- ** - Models with 140 A alternator

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

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Current Flow Diagram

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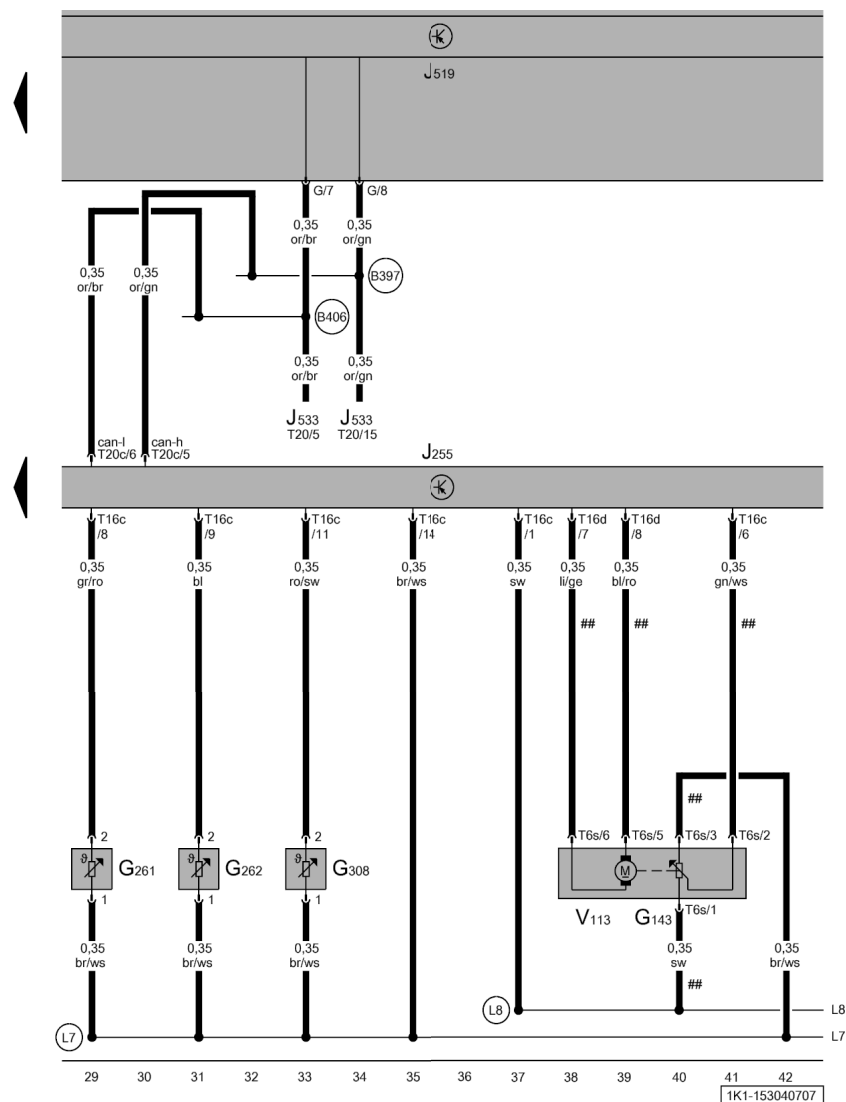
Climatronic control unit, terminal 15 voltage supply relay 2, high-pressure sender, air quality sensor

- G65 - High-pressure sender
- G238 - Air quality sensor
- J255 - Climatronic control unit
- J519 - Onboard supply control unit
- J681 - Terminal 15 voltage supply relay 2
- J682 - Terminal 50 voltage supply relay
- SB28 - Fuse 28 on fuse holder B
- SB30 - Fuse 30 on fuse holder B
- SB49 - Fuse 49 on fuse holder B, E-box high
- SB52 - Fuse 52 on fuse holder B, E-box high
- SC4 - Fuse 4 on fuse holder C
- T3as - 3-pin connector
- T20c - 20-pin connector
- T40 - 40-pin connector
- 44 - Earth point, lower part of left A-pillar
- 367 - Earth connection 2, in main wiring harness
- 389 - Earth connection 24, in main wiring harness
- 605 - Earth point, on top end of steering column
- A217 - Positive connection 8 (15a) in dash panel wiring harness
- B163 - Positive connection 1 (15), interior wiring harness
- B315 - Connection 1 (30a), in main wiring harness
- * - Only models with no auxiliary heater
- - Only models with auxiliary heater
- - Only models with heated seats
- ### - From November 2007

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Current Flow Diagram

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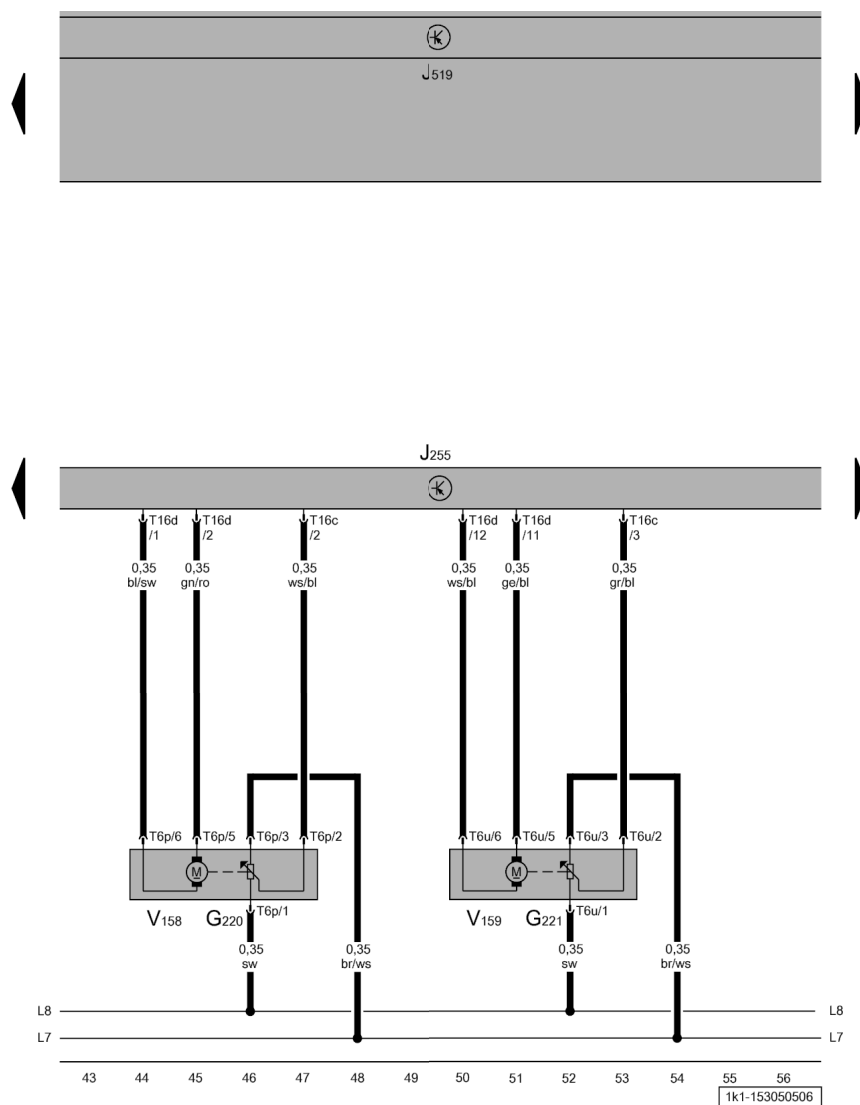
Climatronic control unit, vent temperature sender, evaporator temperature sensor, air recirculation flap control motor

- G143 - Potentiometer for air recirculation flap control motor
- G261 - Left footwell vent temperature sender
- G262 - Right footwell vent temperature sender
- G308 - Evaporator temperature sensor
- J255 - Climatronic control unit
- J519 - Onboard supply control unit
- J533 - Data bus diagnostic interface
- T6s - 6-pin connector
- T16c - 16-pin connector
- T16d - 16-pin connector
- T20 - 20-pin connector
- T20c - 20-pin connector
- V113 - Air recirculation flap control motor
- B397 - Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 - Connection 1 (convenience CAN bus, low), in main wiring harness
- L7 - Connection 3, in evaporator housing unit wiring harness
- L8 - Connection 4, in evaporator housing unit wiring harness
- ## - Up to April 2007

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Current Flow Diagram

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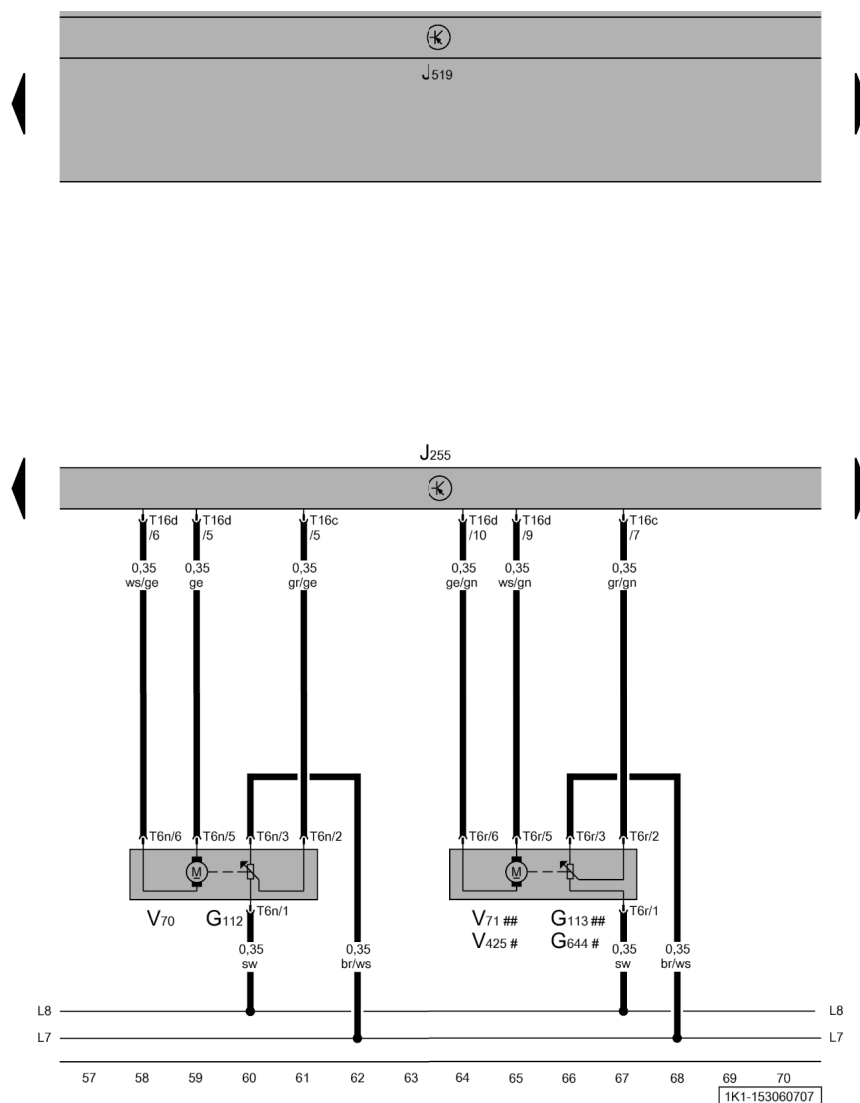
Climatronic control unit, potentiometer for left and right temperature flap control motor

- G220 - Potentiometer for left temperature flap control motor
- G221 - Potentiometer for right temperature flap control motor
- J255 - Climatronic control unit
- J519 - Onboard supply control unit
- T6p - 6-pin connector
- T6u - 6-pin connector
- T16c - 16-pin connector
- T16d - 16-pin connector
- V158 - Left temperature flap control motor
- V159 - Right temperature flap control motor

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Climatronic control unit, central flap control motor, air flow flap control motor, fresh air recirculation control motor, air flow flap

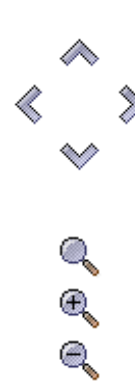
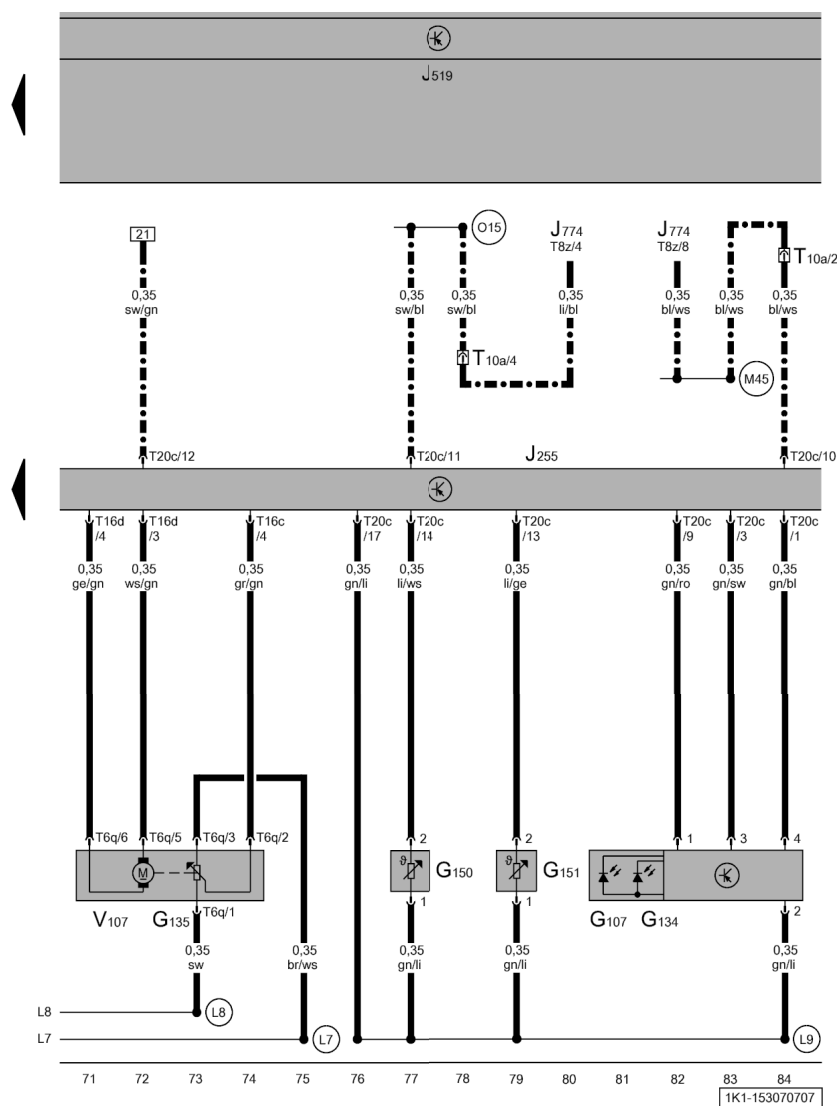
- G112 - Potentiometer for centre flap control motor
- G113 - potentiometer for air flow flap control motor
- G644 - Potentiometer for fresh air/recirculated air, air flow flap
- J255 - Climatronic control unit
- J519 - Onboard supply control unit
- T6n - 6-pin connector
- T6r - 6-pin connector
- T16c - 16-pin connector
- T16d - 16-pin connector
- V70 - Centre flap control motor
- V71 - Air flow flap control motor
- V425 - Fresh air/recirculated air, air flow flap control motor
- # - From May 2007
- ## - Up to April 2007

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Current Flow Diagram

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ws = white
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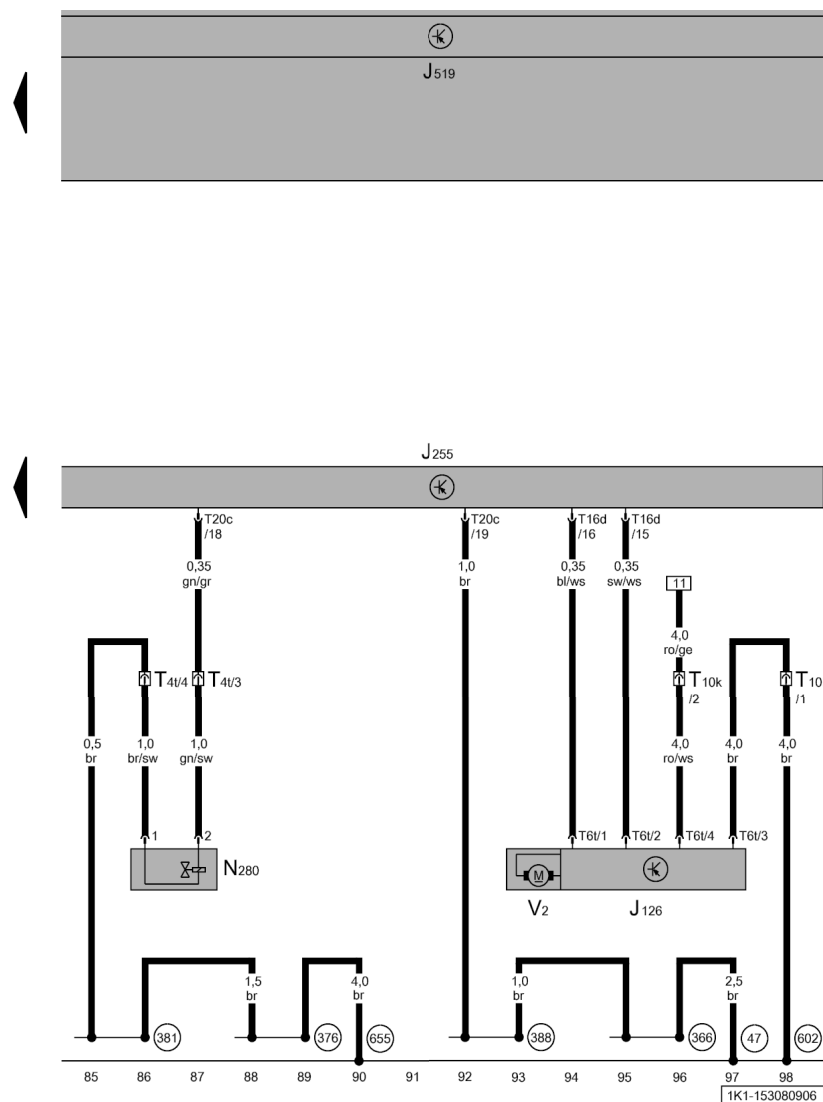
Climatronic control unit, outlet temperature sender, defroster flap control motor, sunlight penetration photosensor

- G107 - Sunlight penetration photosensor
- G134 - Sunlight penetration photosensor 2
- G135 - potentiometer for defroster flap control motor
- G150 - Left vent temperature sender
- G151 - Right vent temperature sender
- J255 - Climatronic control unit
- J519 - Onboard supply control unit
- J774 - Heated front seats control unit
- T6q - 6-pin connector
- T8z - 8-pin connector
- T10a - 10-pin connector, under driver seat
- T16c - 16-pin connector
- T16d - 16-pin connector
- T20c - 20-pin connector
- V107 - Defroster flap control motor
- L7 - Connection 3, in evaporator housing unit wiring harness
- L8 - Connection 4, in evaporator housing unit wiring harness
- L9 - Connection 1, in air conditioning system wiring harness
- M45 - Connection 5, in driver seat wiring harness
- O15 - Connection 4 in seat heating wiring harness
- - - Only models with heated seats

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Climatronic control unit, fresh air blower control unit, fresh air blower, air conditioning compressor regulating valve

- J126 - Fresh air blower control unit
- J519 - Onboard supply control unit
- N280 - Air conditioner compressor regulating valve
- T4t - 4-pin connector, near starter
- T6t - 6-pin connector
- T10k - 10-pin connector, on right under dash panel
- T16d - 16-pin connector
- T20c - 20-pin connector
- V2 - Fresh air blower
- 47 - Earth point, in front right footwell

- 366 - Earth connection 1, in main wiring harness
- 376 - Earth connection 11, in main wiring harness
- 381 - Earth connection 16, in main wiring harness
- 388 - Earth connection 23, in main wiring harness
- 602 - Earth point, in front left footwell
- 655 - Earth point, on left headlight