

Passat

Current Flow Diagram

No. 59 / 1

Edition 04.2004

Climatronic

- Models with 6-cylinder

From October 2000

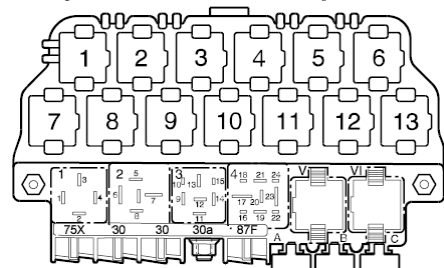
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.

Relay locations on the 13 position additional relay carrier above the relay plate:

- 3 - Magnetic coupling relay (267)

Relay locations on relay plate:

Relay locations on the 8 position additional relay carrier behind the relay plate:



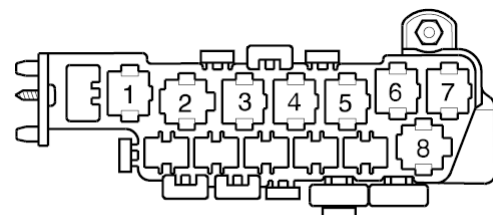
97-20676

- 1 - Radiator fan run-on relay (214)
- 2 - Radiator fan V7 relay -2nd speed
- 5 - Radiator fan V7 and V35 relay, 1st speed



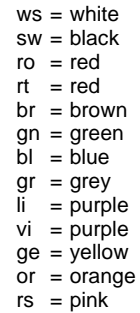
Note:

The number in brackets behind the part designation denotes the control number on the housing.



97-20515

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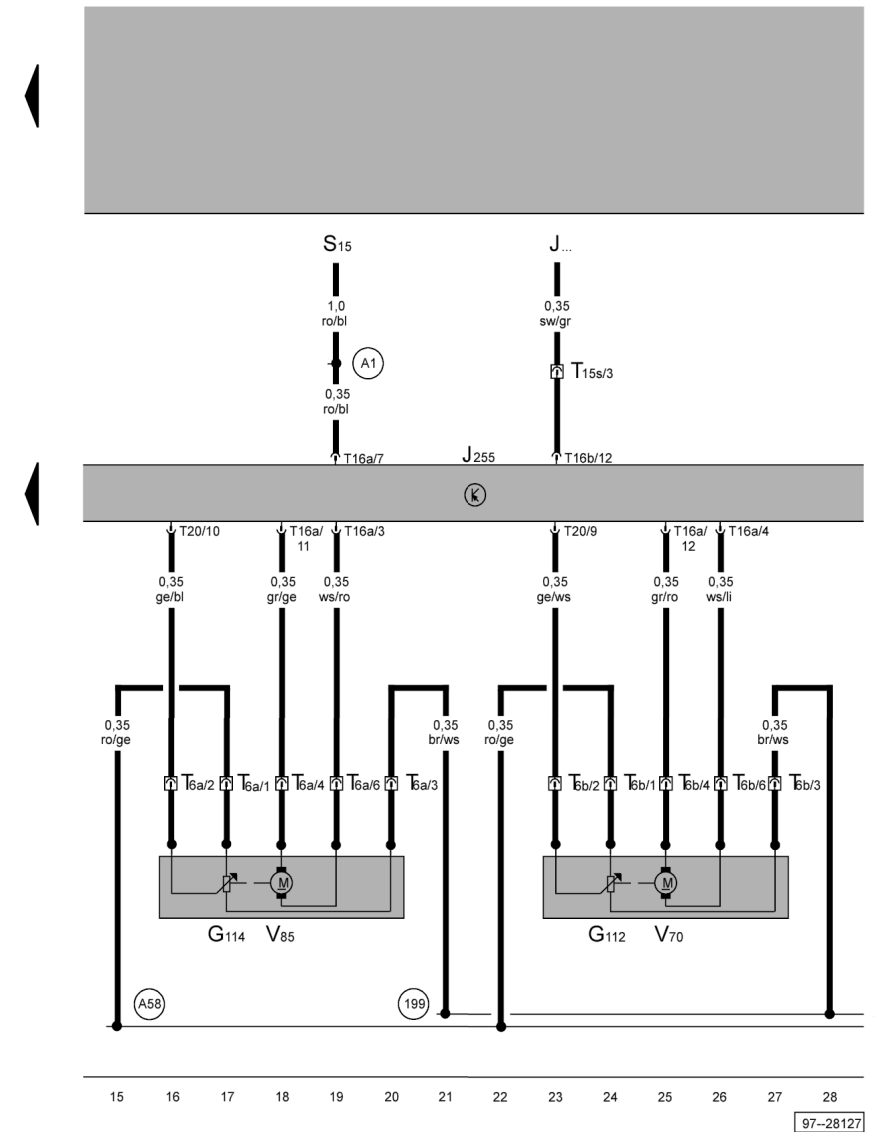


- D - Ignition/starter switch
- E87 - Control and display unit for air conditioner/Climatronic
- G56 - Dash panel temperature sensor
- J44 - Magnetic coupling relay
- J255 - Climatronic control unit
- L75 - Digital display illumination
- L76 - Button illumination
- N25 - Air conditioning system magnetic coupling
- S5 - Fuse in fuse box/relay plate
- T3k - 3-pin connector, grey, connector point left A-pillar
- T16a - 16-pin connector, black
- V42 - Temperature sensor blower
 - A2 - Positive (+) connection (15), in dash panel wiring harness
 - A74 - Connection (15a, fuse 5), in dash panel wiring harness

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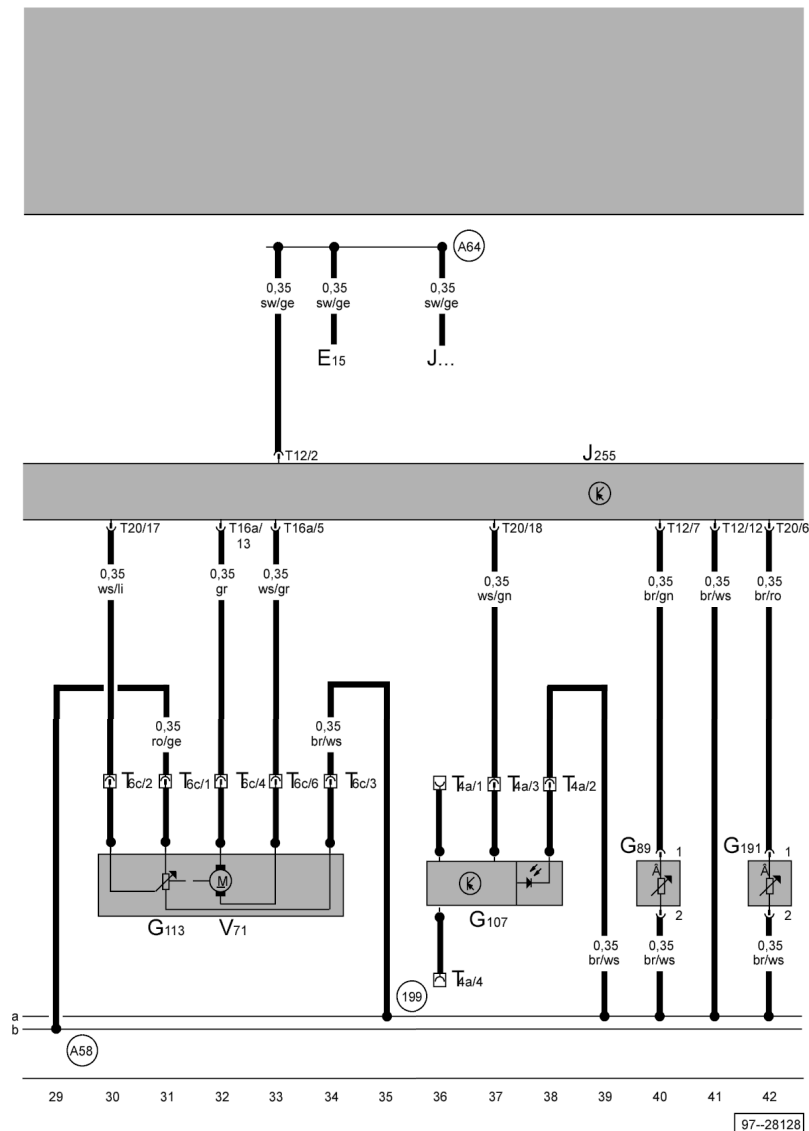
Climatronic control unit, central flap and footwell/defroster flap control motor

- G112 - Control motor potentiometer, central flap
- G114 - Control motor potentiometer, footwell/defroster flap
- J... - Engine control unit
- J255 - Climatronic control unit
- S15 - Fuse in fuse box/relay plate
- T6a - 6-pin connector, black, behind dash panel, centre
- T6b - 6-pin connector, blue, behind dash panel, centre
- T15s - 15-pin connector, red, on control unit protective housing, in engine compartment, left
- T16a - 16-pin connector, black
- T16b - 16-pin connector, brown
- T20 - 20-pin connector, red
- V70 - Central flap control motor
- V85 - Footwell/defroster flap control motor
- 199 - Earth connection -3-, in dash panel wiring harness
- A1 - Positive (+) connection (30a), in dash panel wiring harness
- A58 - Connection (5 volt), in instruments wiring harness

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Climatronic control unit, air flow flap control motor, sunlight penetration photo-sensor, vent temperature sender, fresh air intake duct temperature sensor

- E15 - Heated rear window switch
- G89 - Fresh air intake duct temperature sensor
- G107 - Sunlight penetration photosensor
- G113 - Control motor potentiometer, air flow flap
- G191 - Vent temperature sender, centre
- J... - Engine control unit
- J255 - Climatronic control unit
- T4a - 4-pin connector, black
- T6c - 6-pin connector, black
- T12 - 12-pin connector, black
- T16a - 16-pin connector, black
- T20 - 20-pin connector, red
- V71 - Air flow flap control motor
- 199 - Earth connection -3-, in dash panel wiring harness

A58 - Connection (5 volt), in instruments wiring harness

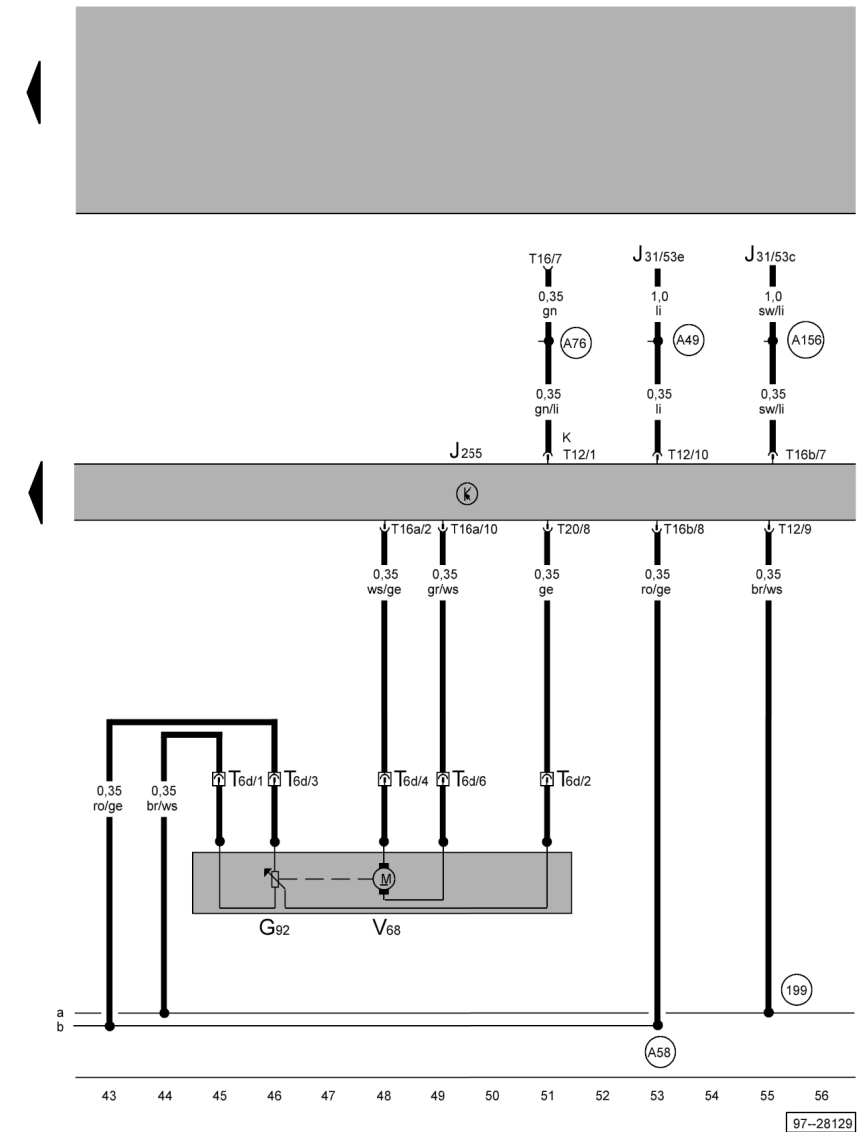
A64 - Connection (rpm boost), in dash panel wiring harness

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

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Climatronic control unit, temperature flap control motor, diagnostic socket

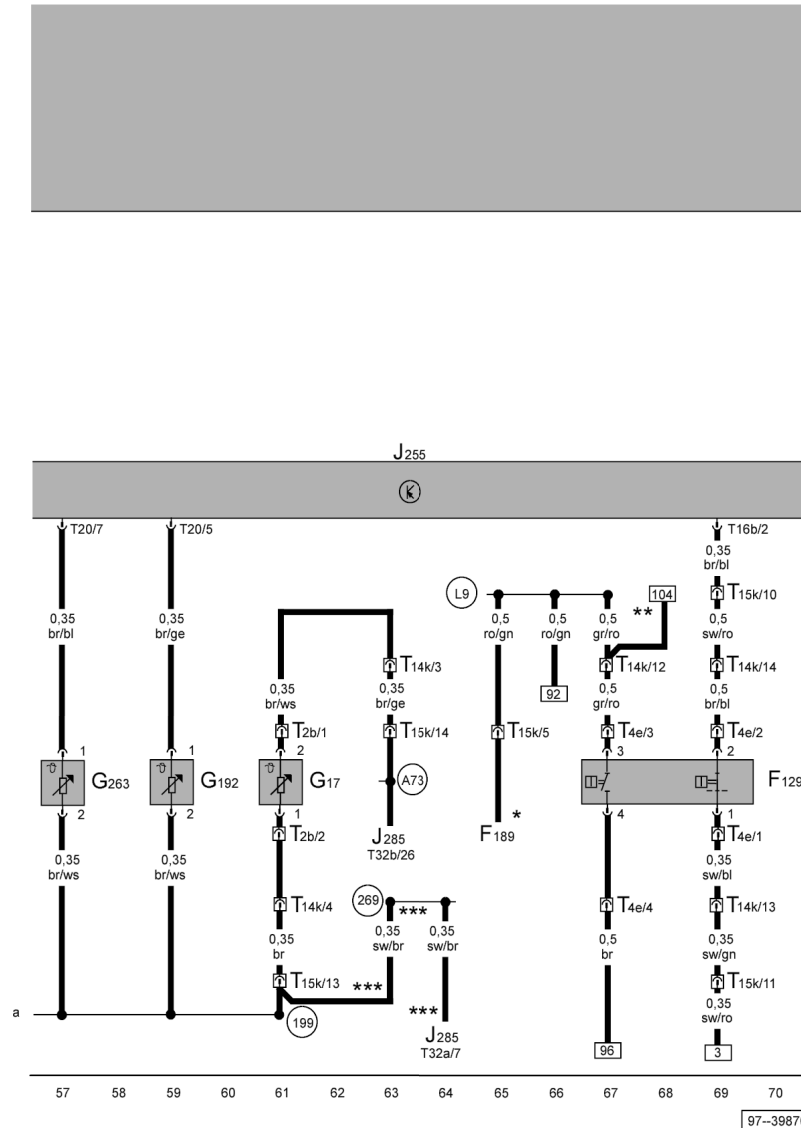
- G92 - Control motor potentiometer for temperature flap
- J31 - Automatic intermittent wash/wipe relay
- J255 - Climatronic control unit
- T6d - 6-pin connector, red, behind dash panel, centre
- T12 - 12-pin connector, black
- T16 - 16-pin connector, near handbrake lever, self-diagnosis connection
- T16a - 16-pin connector, black
- T16b - 16-pin connector, brown
- T20 - 20-pin connector, red
- V68 - Temperature flap control motor
- 199 - Earth connection -3-, in dash panel wiring harness
- A49 - Connection -1-, in dash panel wiring harness
- A58 - Connection (5 volt), in instruments wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A156 - Connection (53c), 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

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Climatronic control unit, ambient temperature sensor, vent temperature sensor, air conditioner pressure switch

- F129 - Air conditioner pressure switch
- F189 - Tiptronic switch
- G17 - Ambient temperature sensor
- G192 - Footwell vent temperature sender
- G263 - Evaporator out-flow temperature sender
- J255 - Climatronic control unit
- J285 - Control unit with display in dash panel insert
- T2b - 2-pin connector
- T4e - 4-pin connector, on left in front of engine compartment
- T14k - 14-pin connector, black
- T15k - 15-pin connector, grey, left A-pillar coupling station
- T16b - 16-pin connector, brown
- T20 - 20-pin connector, red
- T32a - 32-pin connector, blue, on dash panel insert
- T32b - 32-pin connector, green, on dash panel insert
- 199 - Earth connection 3, in dash panel wiring harness

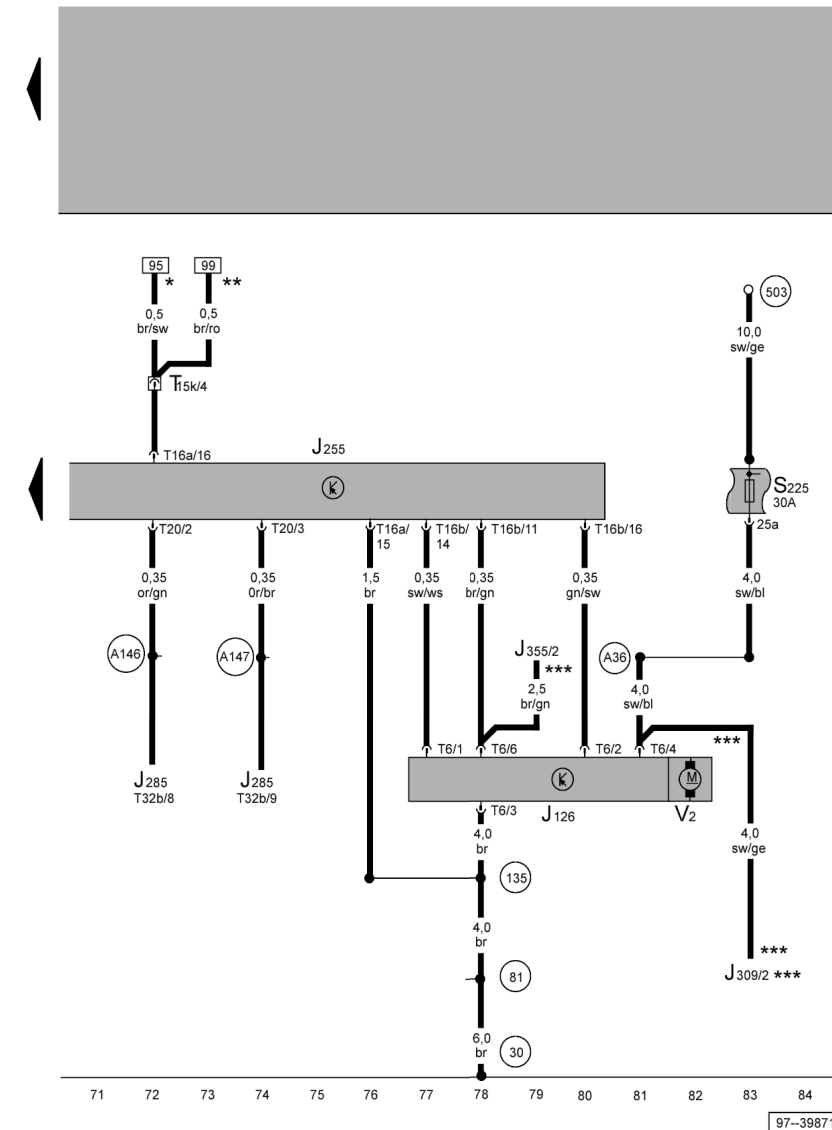
- 269 - Earth connection (sender earth) 1, in dash panel wiring harness
- A73 - Connection (ambient temperature display), in dash panel wiring harness
- L9 - Connection 1, in air conditioning system wiring harness

- * - Applies only to models with an automatic gearbox
- ** - Applies only models with radiator fan control unit
- *** - From May 2003

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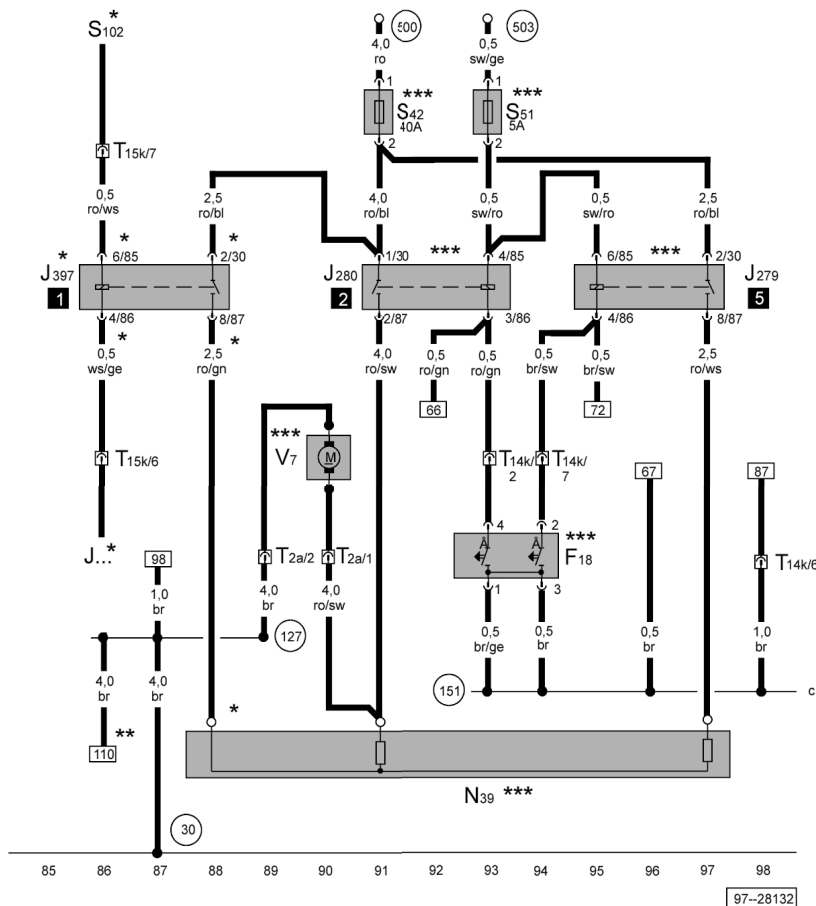
Climatronic control unit, front fresh air blower

- J126 - Fresh air blower control unit
- J255 - Climatronic control unit
- J285 - Control unit with display in dash panel insert
- J309 - Solar cell isolation relay *
- J355 - Solar operation control unit *
- S225 - Fuse in fuse holder
- T6 - 6-pin connector
- T15k - 15-pin connector, grey, left A-pillar coupling station
- T16a - 16-pin connector, black
- T16b - 16-pin connector, brown
- T20 - 20-pin connector, red
- T32b - 32-pin connector, green, on dash panel insert
- V2 - Fresh air blower
- 30 - Earth point 1, next to relay plate
- 81 - Earth connection 1, in dash panel wiring harness
- 135 - Earth connection 2, in dash panel wiring harness
- 503 - Screw connection (75x), on relay plate
- A36 - Connection (75a), in dash panel wiring harness
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- * - Applies only models without radiator fan control unit
- ** - Applies only models with radiator fan control unit
- *** - Only for solar roof, see solar roof Current Flow Diagram

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Current Flow Diagram

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

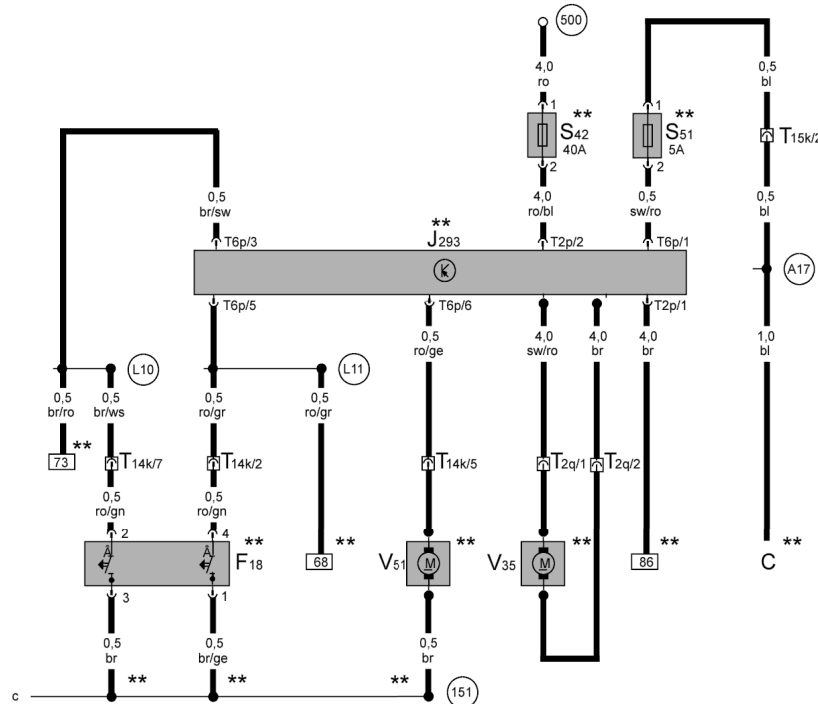
Radiator fan 1st and 2nd speed relay, radiator fan run-on relay, radiator fan, radiator fan series resistor

- F18 - Radiator fan thermo-switch
- J... - Engine control unit
- J279 - Radiator fan V7 and V35 relay - 1st speed
- J280 - Radiator fan V7 relay, 2nd speed
- J397 - Radiator fan run-on relay
- N39 - Radiator fan series resistor
- S42 - Radiator fan single fuse
- S51 - Fuse
- S102 - Engine control unit fuse
- T2a - 2-pin connector, in engine compartment, front left
- T14k - 14-pin connector, black
- T15k - 15-pin connector, grey, connector point left A-pillar
- V7 - Radiator fan
- 30 - Earth point -1-, next to relay plate
- 127 - Earth connection -1-, in air conditioner compressor wiring harness
- 151 - Earth connection -1-, in front wiring harness
- 500 - Screw connection -1- (30), on relay plate
- 503 - Screw connection (75x), on relay plate
- * - Only models with diesel engine
- ** - Only models with fan control unit
- *** - Only models without fan control unit

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Current Flow Diagram

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

Radiator fan control unit (only models fitted with radiator fan control unit), radiator fan

- C - Alternator
- F18 - Radiator fan thermo-switch
- J293 - Radiator fan control unit
- S42 - Radiator fan single fuse
- S51 - Radiator fan relay fuse
- T2p - 2-pin connector
- T2q - 2-pin connector, in engine compartment, front left
- T6p - 6-pin connector
- T14k - 14-pin connector, black
- T15k - 15-pin connector, grey, connector point left A-pillar
- V35 - Radiator fan, right
- V51 - Continued circulation of coolant pump
- 151 - Earth connection -1-, in front wiring harness
- 500 - Screw connection -1- (30), on relay plate
- A17 - Connection (61), in dash panel wiring harness
- L10 - Connection -2-, in air conditioner wiring harness
- L11 - Connection -3-, in air conditioner wiring harness
- ** - Only models with fan control unit

99 100 101 102 103 104 105 106 107 108 109 110 111 112

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