

Supplementary coolant heating,

● with radio receiver for supplementary coolant heating

from September 2003

Notes:

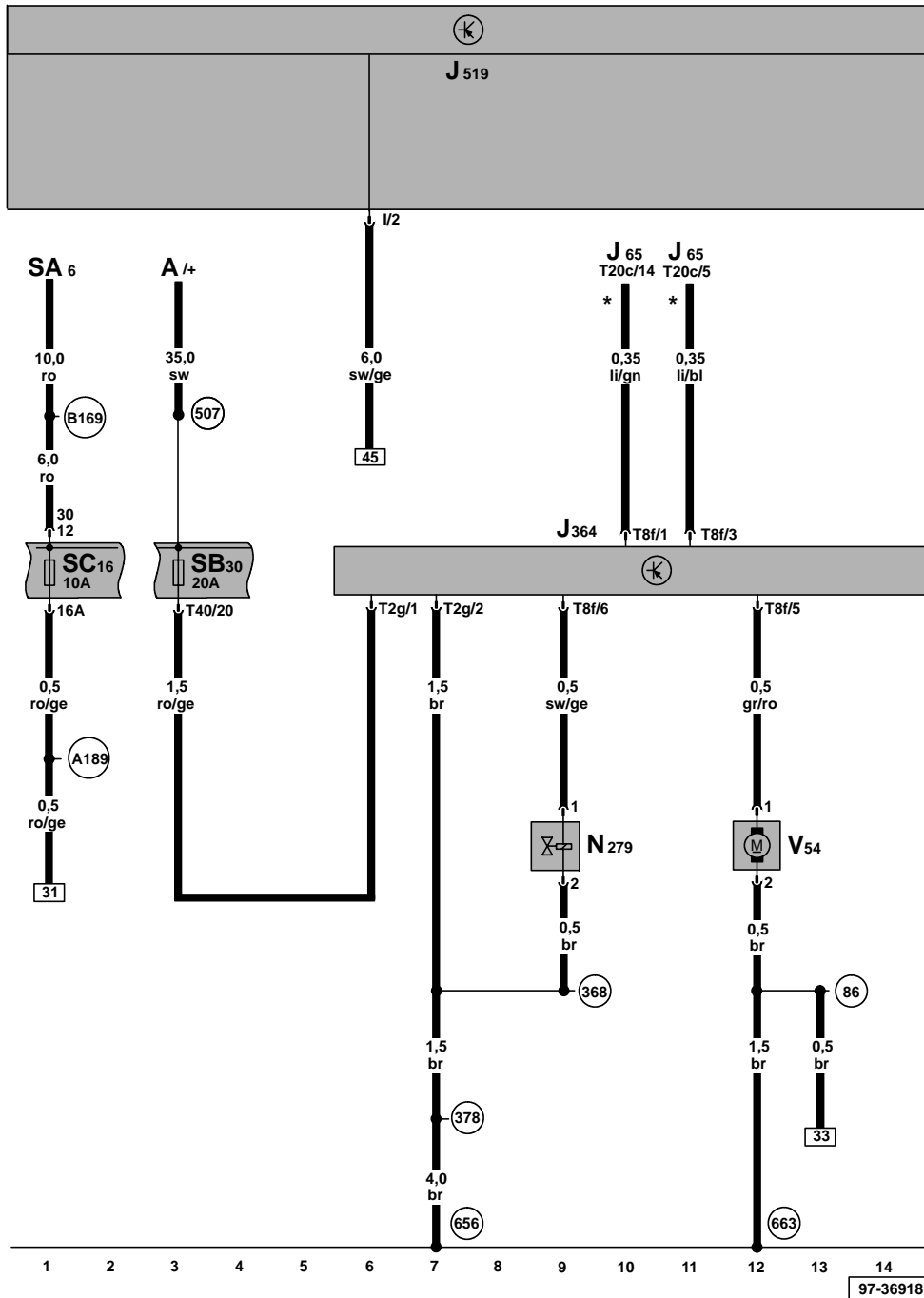
Information concerning

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

⇒ *Fitting locations overview!*

Information concerning

- ◆ *Fault finding programs*
- ⇒ *Guided fault finding*



Supplementary heating control unit, heater coolant shut-off valve, metering pump, fuses

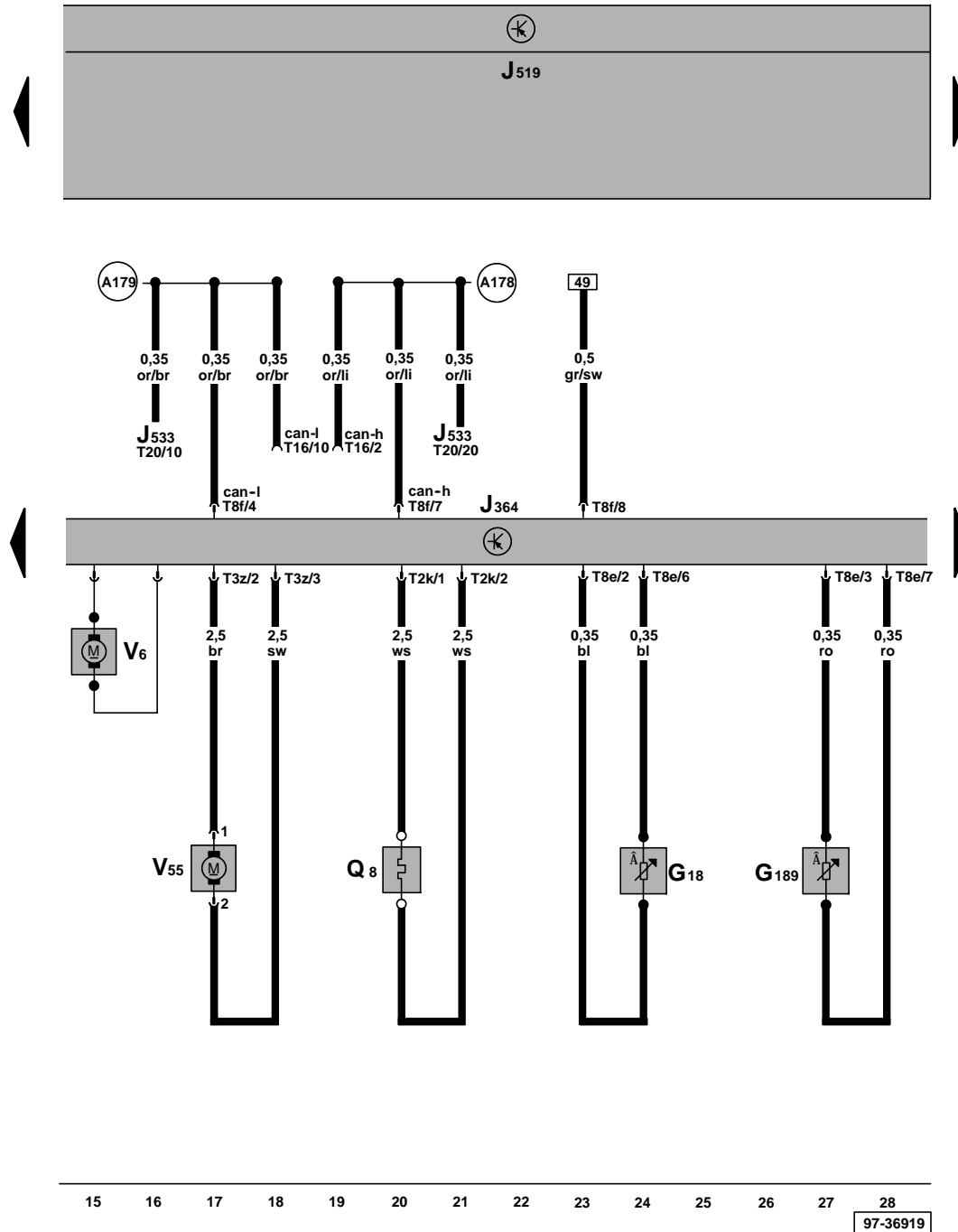
- A - Battery
- J65 - Heater control unit
- J364 - Supplementary heater control unit
- J519 - Onboard supply control unit
- N279 - Heater coolant shut-off valve
- SA6 - Fuse 6 on battery fuse holder
- SB30 - Fuse 30 on fuse holder
- SC16 - Fuse 16 on fuse holder
- T2g - 2-pin connector
- T8f - 8-pin connector
- T20c - 20-pin connector
- T40 - 40-pin connector, below E-box, on left in engine compartment
- V54 - Metering pump, on fuel tank

- (86) - Earth connection 1, in rear wiring harness
- (368) - Earth connection 3, in main wiring harness
- (378) - Earth connection 13, in main wiring harness
- (507) - Screw connection (30), on battery fuse holder
- (656) - Earth point, on right headlight
- (663) - Earth point, rear right side panel
- (A189) - Positive connection 5 (30a), in dash panel wiring harness
- (B169) - Positive connection 1 (30), in interior wiring harness

* - Only models with heating

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

Supplementary heating control unit, circulation pump, temperature sensor, overheating sensor

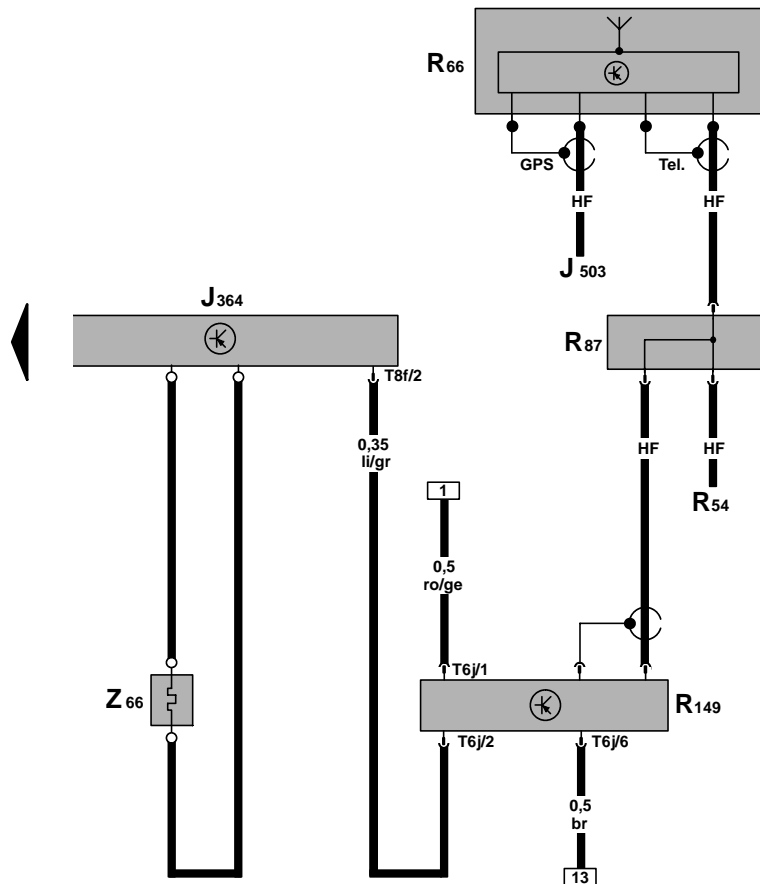
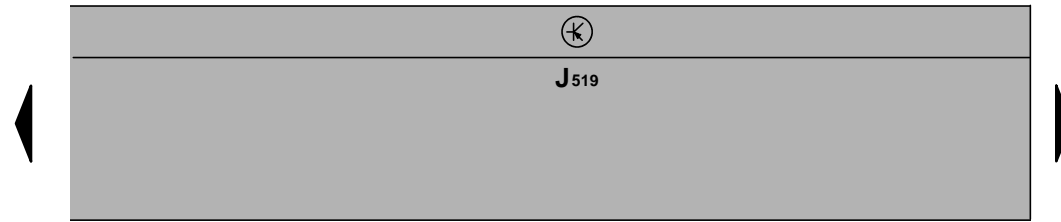


- G18 - Temperature sensor
- G189 - Overheating sensor
- J364 - Supplementary heater control unit
- J533 - Data-bus diagnostic interface
- J519 - Onboard supply control unit
- T2k - 2-pin connector
- T3z - 3-pin connector
- T8e - 8-pin connector
- T8f - 8-pin connector
- T16 - 16-pin connector, diagnostic socket, in front left footwell
- T20 - 20-pin connector
- Q8 - Glow plug with flame monitor
- V6 - Combustion air blower
- V55 - Circulation pump

- (A178) - Connection (infotainment CAN-bus, high), in dash panel wiring harness
- (A179) - Connection (infotainment CAN-bus, low), in dash panel wiring harness

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Supplementary heating control unit, telephone aerial, navigation, auxiliary heating, aerial filter, supplementary heating radio receiver, heater element for fuel pre-heating



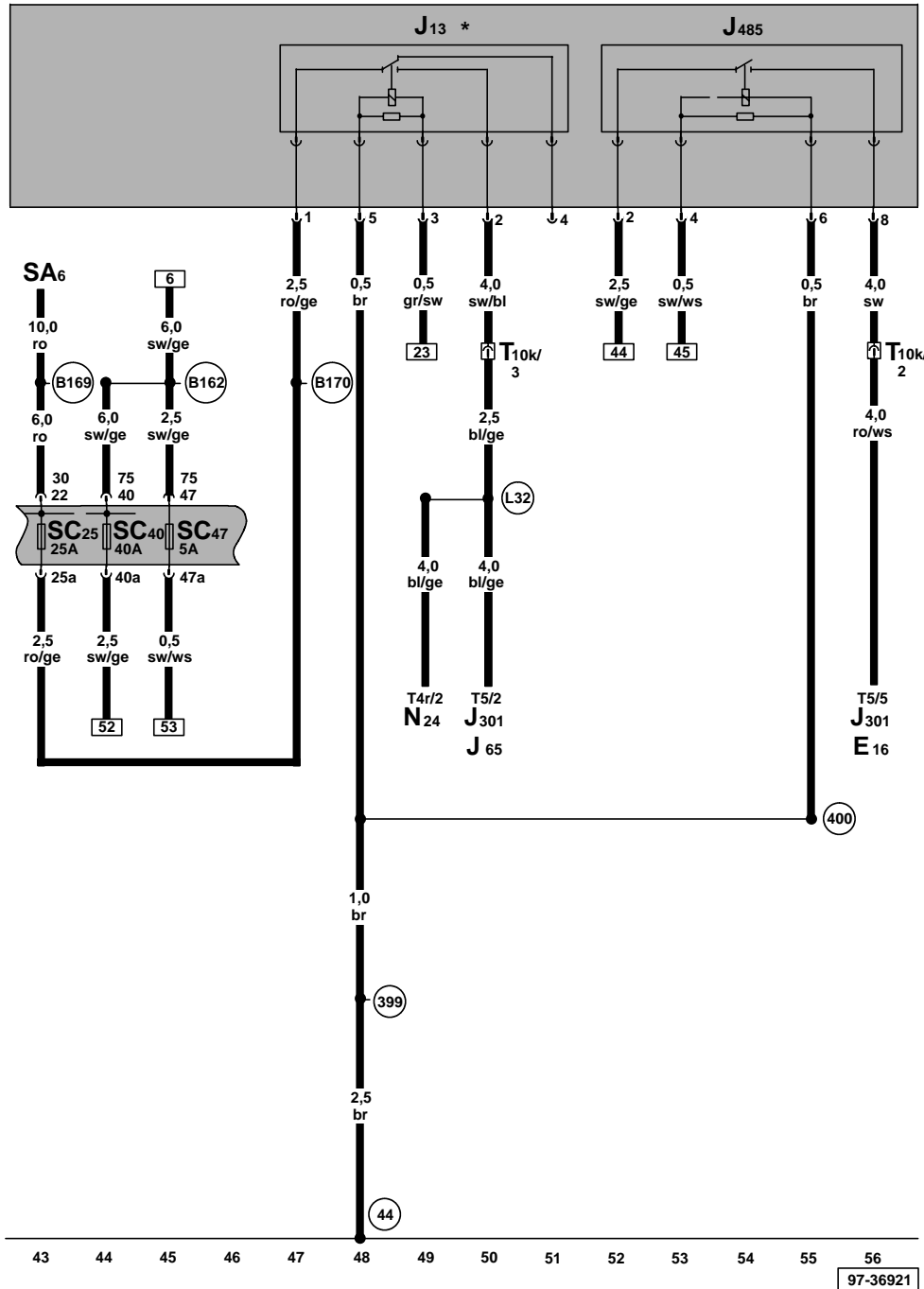
- J364 - Supplementary heater control unit
- J503 - Control unit with display for radio and navigation
- J519 - Onboard supply control unit
- R54 - Mobile telephone
- R66 - Telephone, navigation and auxiliary heater aerial
- R87 - Aerial filter
- R149 - Auxiliary coolant heater radio receiver
- T6j - 6-pin connector
- T8f - 8-pin connector
- Z66 - Heater element for fuel pre-heating

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

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Fresh air blower relay, auxiliary heating relay, fuses



- J65 - Heater control unit
- J301 - Air conditioner control unit
- J13 - Fresh air blower relay
- J485 - Auxiliary heater operation relay
- N24 - Fresh air blower series resistor with overheating fuse
- SA6 - Fuse 6 on battery fuse holder
- SC25 - Fuse 25 on fuse holder
- SC40 - Fuse 40 on fuse holder
- SC47 - Fuse 47 on fuse holder
- T4r - 4-pin connector
- T5 - 5-pin connector
- T10k - 10-pin connector, on heater unit

- (44) - Earth point, lower part of left A-pillar
- (399) - Earth connection 34, in main wiring harness
- (400) - Earth connection 35, in main wiring harness
- (L32) - Connection 1, in heater unit wiring harness
- (B162) - Connection (75a), in interior wiring harness
- (B169) - Positive connection 1 (30), in interior wiring harness
- (B170) - Positive connection 2 (30), in interior wiring harness

* - Not with Climatronic

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