

Audi A6

Current Flow Diagram

No. 20 / 1

Edition 02.2006

Auxiliary heater

from model year 2005

Notes:

For information concerning

- ◆ Position of relays and fuses
- ◆ Multi-pin connections
- ◆ Control units and relays
- ◆ Earth connections

→ List of Fitting Locations!

For information concerning

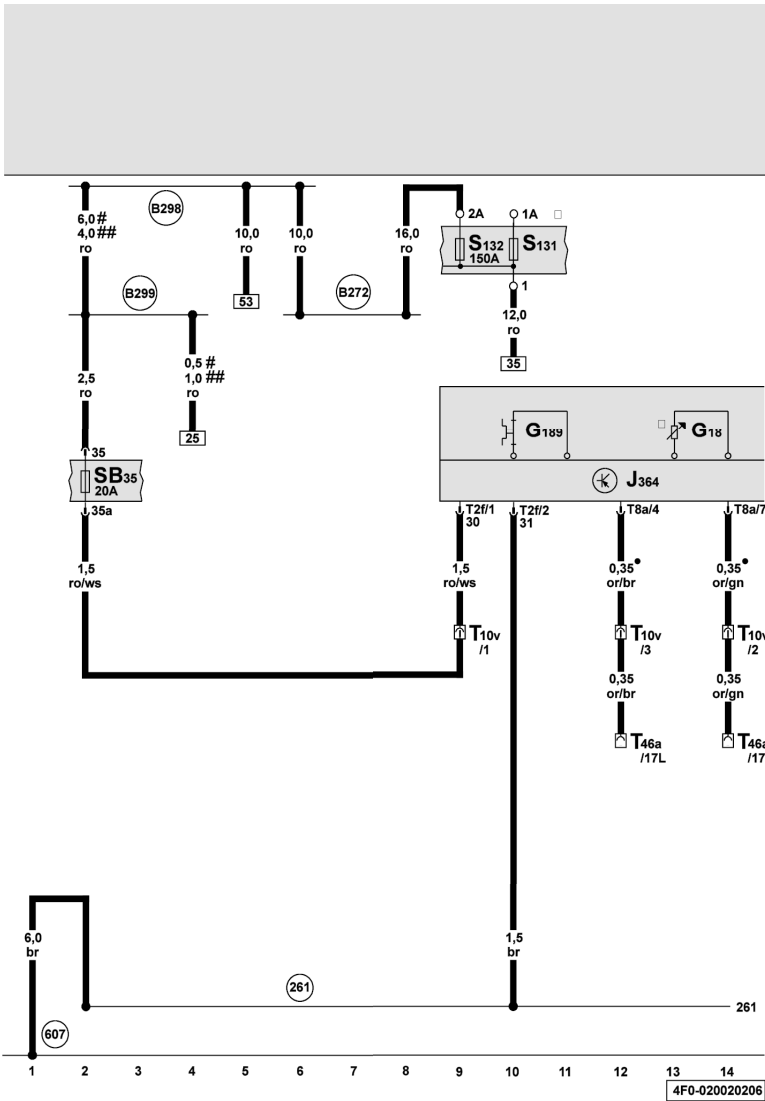
- ◆ Fault Finding Programs

→ guided fault finding

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Current Flow Diagram

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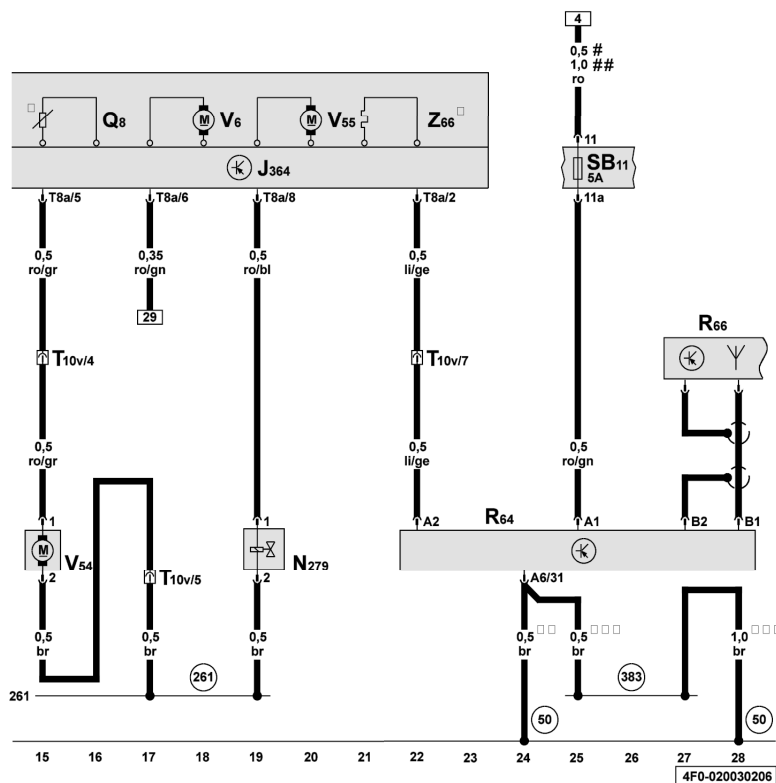
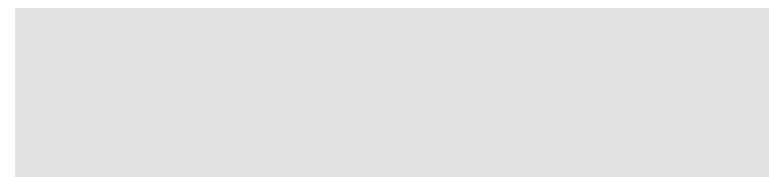
Auxiliary heater control unit, fuses

- G18 - Temperature sensor
- G189 - Overheating sensor
- J364 - Auxiliary heater control unit
- S131 - Fuse 1
- S132 - Fuse 2
- SB35 - Fuse 35 on fuse holder
- T2f - 2-pin connector, black, on auxiliary heater control unit
- T8a - 8-pin connector, black, on auxiliary heater control unit
- T10v - 10-pin connector, white, coupling station on electronics box, left in plenum chamber
- T46a - 46-pin connector, CAN separating connector left
- 261 - Earth connection, in heated washer jet wiring harness
- 607 - Earth point, on left in plenum chamber
- B272 - Positive connection (30), in main wiring harness
- B298 - Positive connection 2 (30), in main wiring harness
- B299 - Positive connection 3 (30), in main wiring harness
- - CAN bus (data wire)
- * - Fuse and relay carrier right in luggage compartment
- # - up to October 2005
- ## - from November 2005

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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

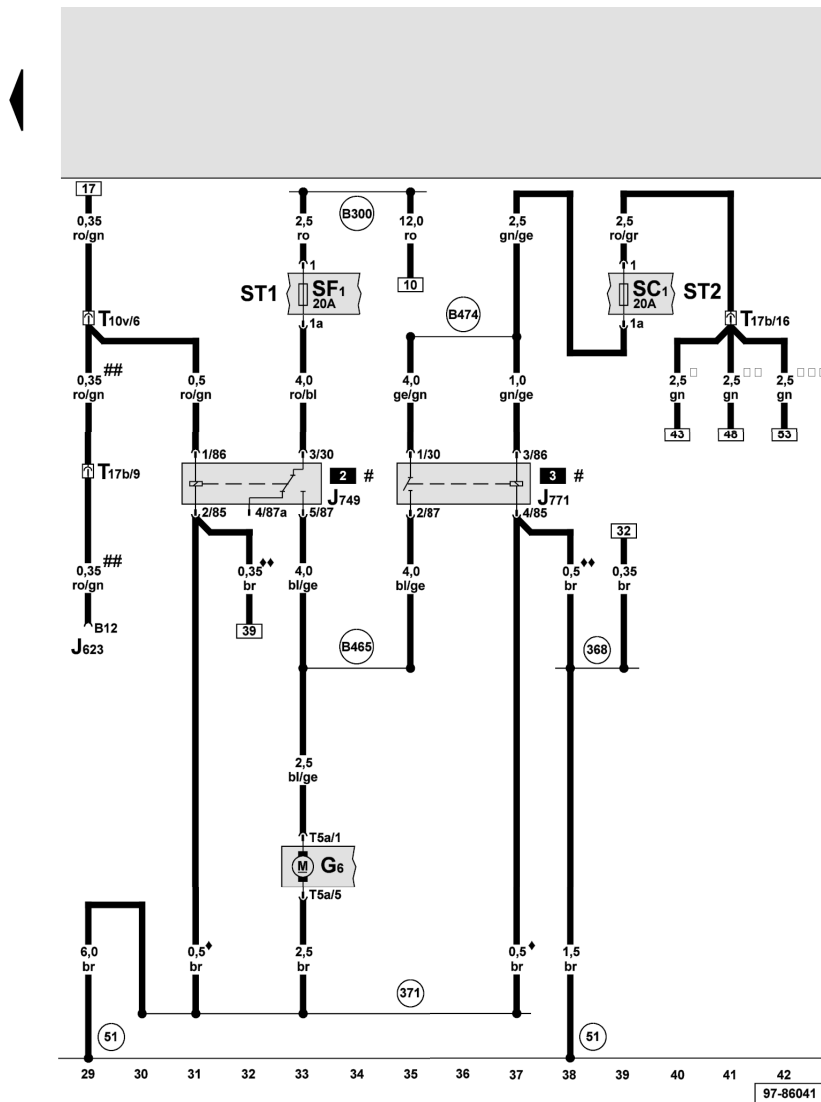
Auxiliary heater control unit, heater coolant shut-off valve, remote control receiver for auxiliary heating, metering pump

- J364 - Auxiliary heater control unit
- N279 - Heater coolant shut-off valve
- Q8 - Glow plug with flame monitor
- R64 - Remote control receiver for auxiliary heating
- R66 - Telephone, navigation system and auxiliary heater aerial
- SB11 - Fuse 11 on fuse holder
- T8a - 8-pin connector, black, on auxiliary heater control unit
- T10v - 10-pin connector, white, coupling station on electronics box, left in plenum chamber
- V6 - Combustion air blower
- V54 - Metering pump
- V55 - Circulation pump
- Z66 - Fuel pre-heating heater element
- 50 - Earth point, on left in luggage compartment
- 261 - Earth connection, in heated washer jet wiring harness
- 383 - Earth connection 18, in main wiring harness
- * - models with diesel engine only
- ** - saloon models
- *** - Avant
- # - up to October 2005
- ## - from November 2005









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Current Flow Diagram

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- ### Fuel pump relay for auxiliary heater, fuses

- G6 - Fuel system pressurisation pump
- J623 - Engine control unit 
- J749 - Fuel pump relay for auxiliary heater 
- J771 - Blocking relay 
- SC1 - Fuse 1 on fuse holder 
- SF1 - Fuse 1 on fuse holder 
- T5a - 5-pin connector, black, on fuel tank
- T10v - 10-pin connector, white, coupling station on electronics box, left in plenum chamber 
- T17b - 17-pin connector, black, coupling station on electronics box, left in plenum chamber 
- 51 - Earth point, on right in luggage compartment 

- | | |
|------|--|
| 368 | - Earth connection 3, in main wiring harness |
| 371 | - Earth connection 6, in main wiring harness |
| B300 | - Positive connection 4 (30), in main wiring harness |
| B465 | - Connection 1, in main wiring harness |
| B474 | - Connection 10, in main wiring harness |

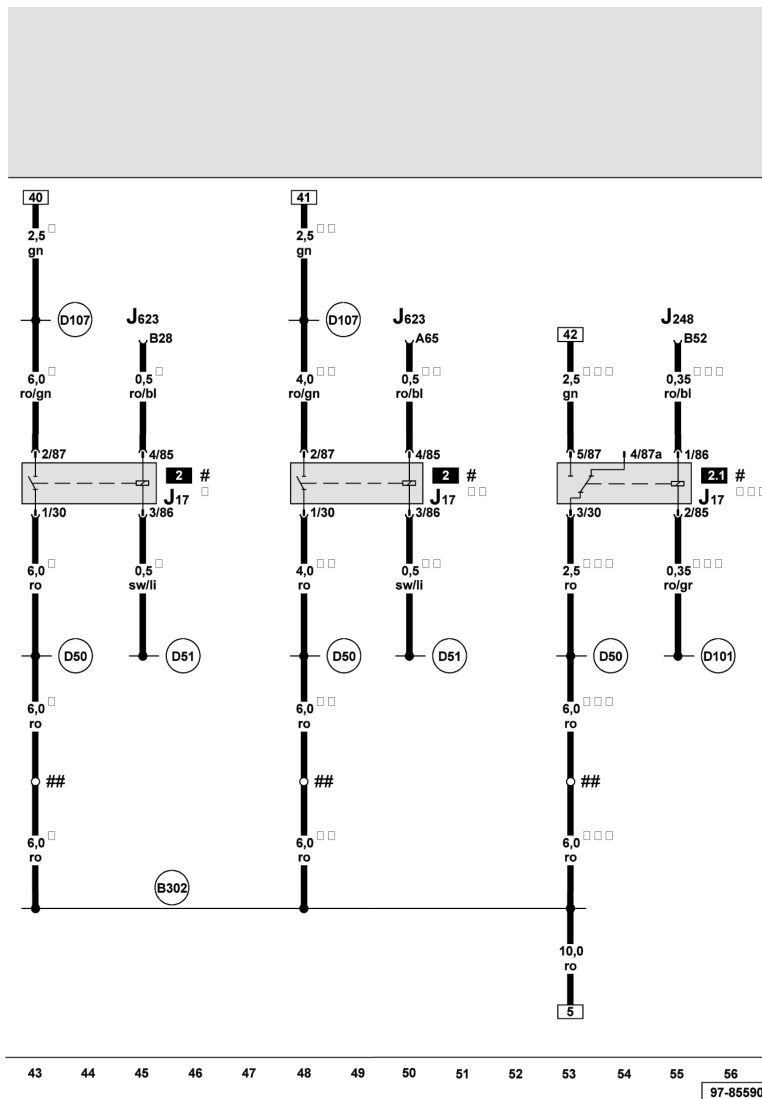
- * - 2.4 l Motor, engine code BDW
- ** - 4.2 l engine, engine code BAT, BNK
- 3.0 l Motor, engine code BBJ
- *** - 3.0 l Diesel engine, engine codes BMK, BNG
- # - Fuse and relay carrier right in luggage compartment
- ## - 3.2 l engine, engine codes AUK, BKH
- ◆ - up to October 2005
- ◆◆ - from November 2005

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Audi A6

Current Flow Diagram

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Fuel pump relay

- J17 - Fuel pump relay
- J248 - Diesel direct injection system control unit
- J623 - Engine control unit
- B302 - Positive connection 6 (30), in main wiring harness
- D50 - Positive connection (30), in engine compartment wiring harness
- D51 - Positive connection 1 (15), in engine compartment wiring harness
- D101 - Connection 1, in engine compartment wiring harness
- D107 - Connection 5, in engine compartment wiring harness
- * - 2.4 I Motor, engine code BDW
- ** - 4.2 I engine, engine code BAT, BNK
- 3.0 I Motor, engine code BBJ
- *** - 3.0 I Diesel engine, engine codes BMK, BNG
- # - Relay carrier electronics box left in plenum chamber
- ## - Screw connection electronics box left in plenum chamber