

# Audi A6

## Current Flow Diagram

**No. 46 / 1**

Edition 08.2008

**Audi A6 2.0 I Turbo-diesel engine (89 kW / 103 kW, 100 kW - 4 cylinder) engine codes BVG, BLB, BNA, BRE, BRF**  
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!

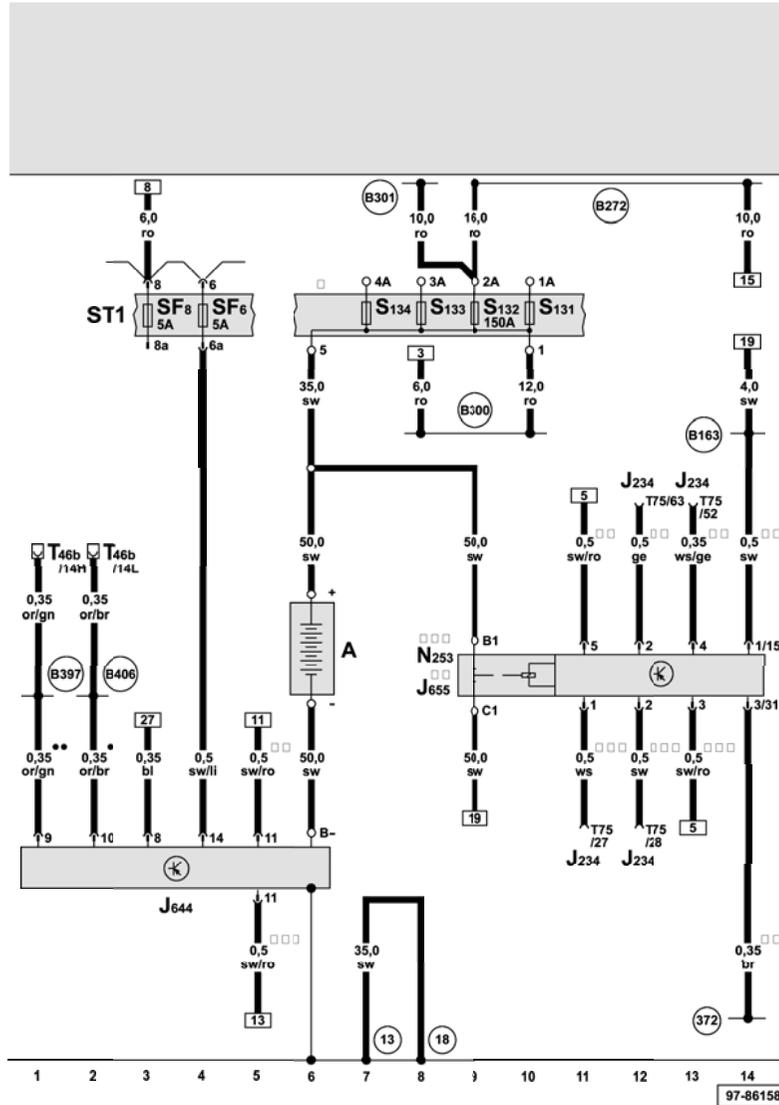
For information concerning

- ◆ Fault Finding Programs
- guided fault finding

# Audi A6

## Current Flow Diagram

### No. 46 / 2



#### Battery, energy management control unit, battery cut-off relay, fuses

- A - Battery
- J234 - Airbag control unit
- J644 - Energy management control unit
- J655 - Battery cut-off relay
- N253 - Battery isolation igniter
- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- SF6 - Fuse 6 on fuse holder
- SF8 - Fuse 8 on fuse holder
- T46b - 46-pin connector, CAN separating connector right
- T75 - 75-pin connector, grey, on airbag control unit
- 13 - Earth point, on right in engine compartment
- 18 - Earth point on engine block
- 372 - Earth connection 7, in main wiring harness
- B163 - Positive connection 1 (15), in interior wiring harness
- B272 - Positive connection (30), in main wiring harness
- B300 - Positive connection 4 (30), in main wiring harness
- B301 - Positive connection 5 (30), 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

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

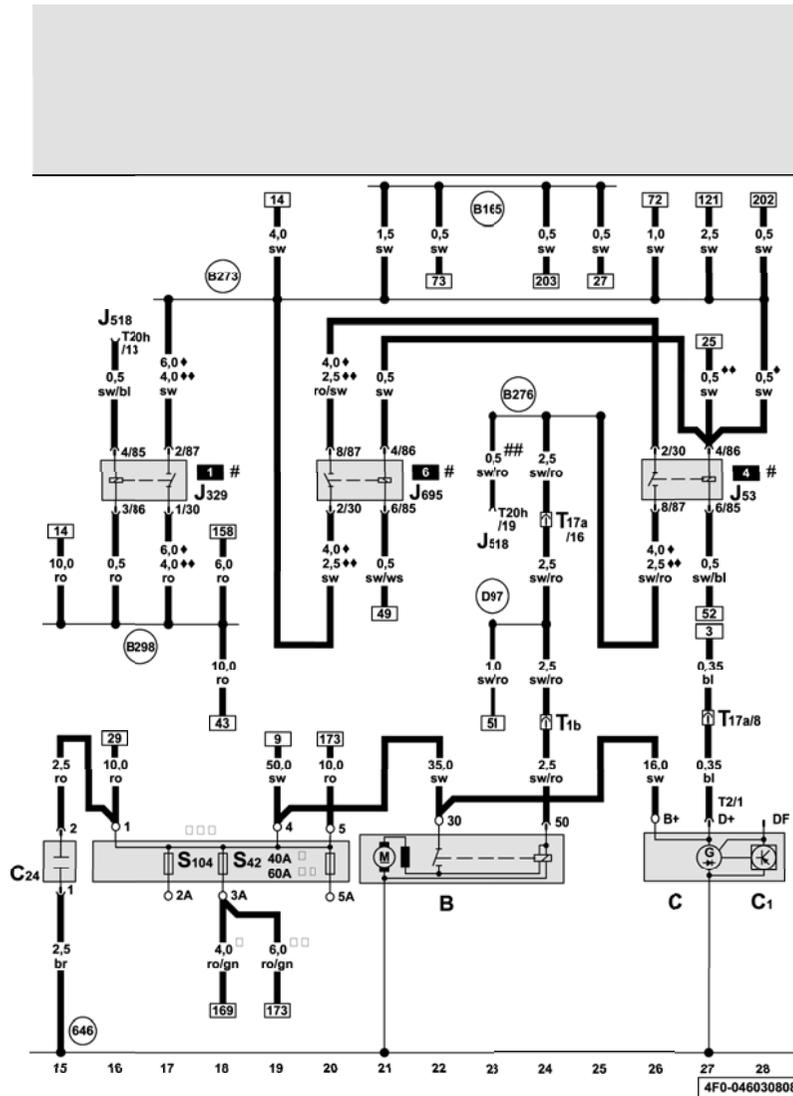
- - CAN bus (data wire)
- \* - Fuse and relay carrier right in luggage compartment

- \*\* - up to about week 26.04
- \*\*\* - from about week 27.04

# Audi A6

## Current Flow Diagram

### No. 46 / 3



ws = white  
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#### Starter, alternator, starter motor relay, starter motor relay 2, terminal 15 voltage supply relay, suppression filter

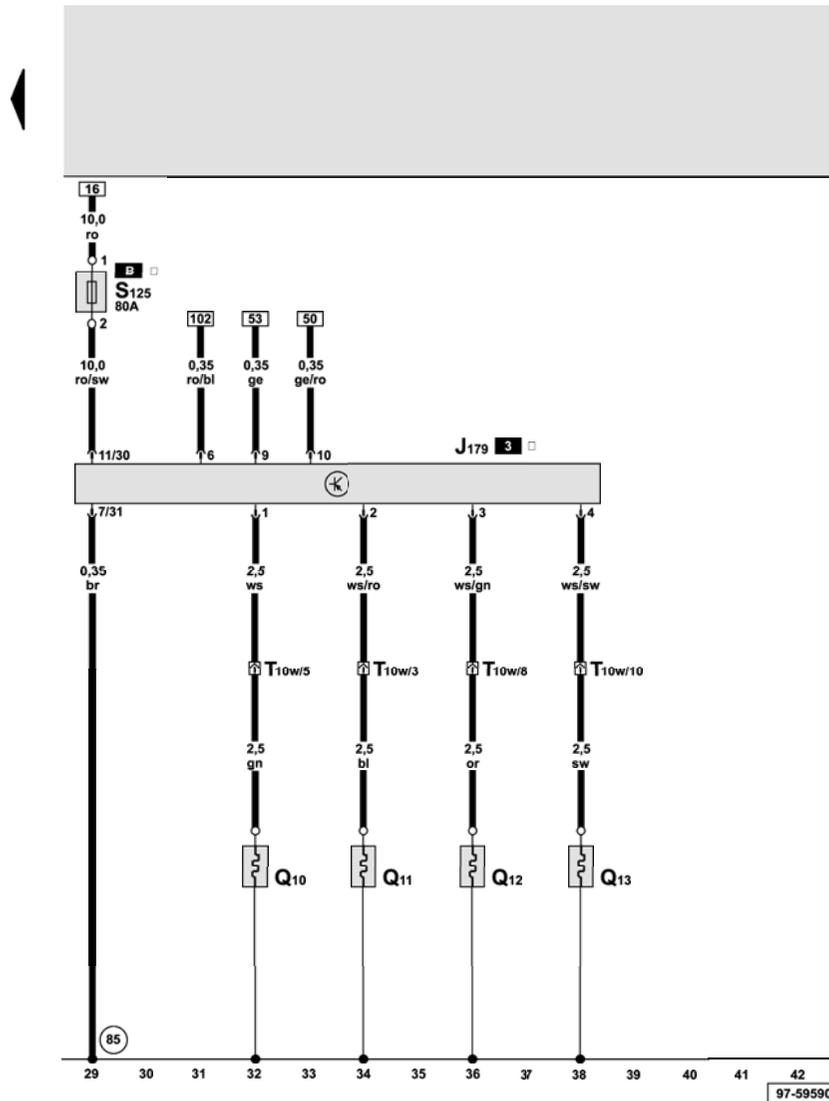
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- C24 - Suppression filter
- J53 - Starter motor relay
- J329 - Terminal 15 voltage supply relay
- J518 - Entry and start authorisation control unit
- J695 - Starter motor relay 2
- S42 - Radiator fan single fuse
- S104 - Radiator fan fuse for 2nd speed
- T1b - Single connector, black, in front right engine compartment
- T2 - 2-pin connector, black, on alternator
- T17a - 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- T20h - 20-pin connector, black, connector A, on entry and start authorisation control unit
- 646 - Earth point 2, on bulkhead
- B165 - Positive connection 2 (15), in interior wiring harness
- B273 - Positive connection (15), in main wiring harness
- B276 - Positive connection (50), in main wiring harness
- B298 - Positive connection 2 (30), in main wiring harness
- D97 - Connection (50), in engine compartment right wiring harness
- \* - standard cooling
- \*\* - heavy-duty cooling
- \*\*\* - Main fuse carrier electronics box right in plenum chamber
- # - 9-point relay carrier, behind driver storage compartment
- ## - no longer fitted, phased from model year 2006
- ◆ - up to October 2005

◆◆ - from November 2005

# Audi A6

## Current Flow Diagram

### No. 46 / 4



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- Automatic glow period control unit, glow plugs fuse, glow plugs**
- J179 - Automatic glow period control unit
  - Q10 - Glow plug 1
  - Q11 - Glow plug 2
  - Q12 - Glow plug 3
  - Q13 - Glow plug 4
  - S125 - Glow plug fuse
  - T10w - 10-pin connector, black, in engine compartment
  - 85 - Earth connection 1, in engine compartment wiring harness
  - \* - Relay carrier electronics box on right in plenum chamber

# Audi A6

## Current Flow Diagram

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97-59590