

Audi A3

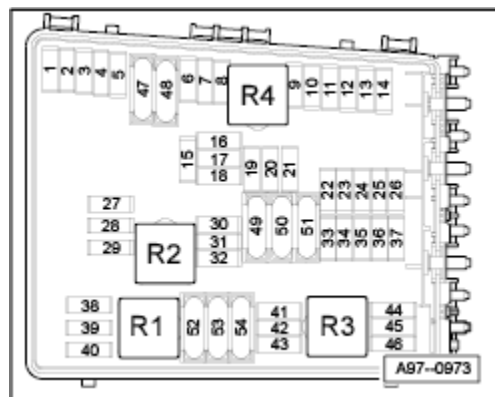
Current Flow Diagram

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Edition 04.2004

Headlights with gas discharge (xenon) lamps and automatic headlight range control

From model year 2004

Relay and fuse carrier, electronics box

- ◆ In engine compartment, front left

Fuse colours

40 A - orange

30 A - green

15 A - blue

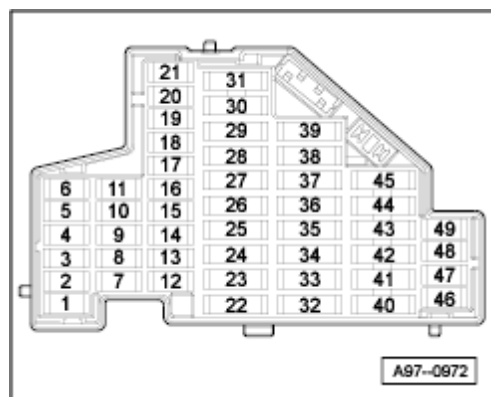
**Note:**

Fuses marked "F" in the electronics box are designated as SB in the Current Flow Diagram.

Position of relays

R1 - Terminal 15 voltage supply relay - J329

Fuse box



◆ Dash panel, driver's side

Fuse colours

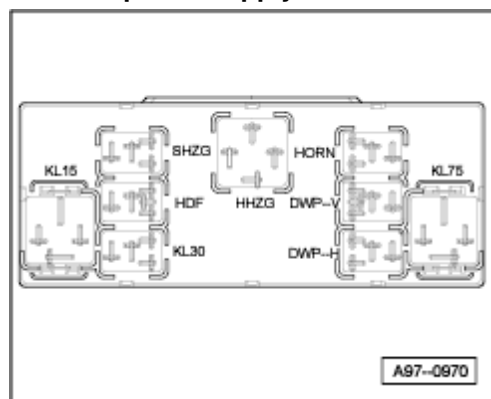
5 A - beige



Note:

Fuses in fuse box are designated as SC in the Current Flow Diagram.

Onboard power supply control unit - J519



◆ Dash panel, driver's side, bottom left

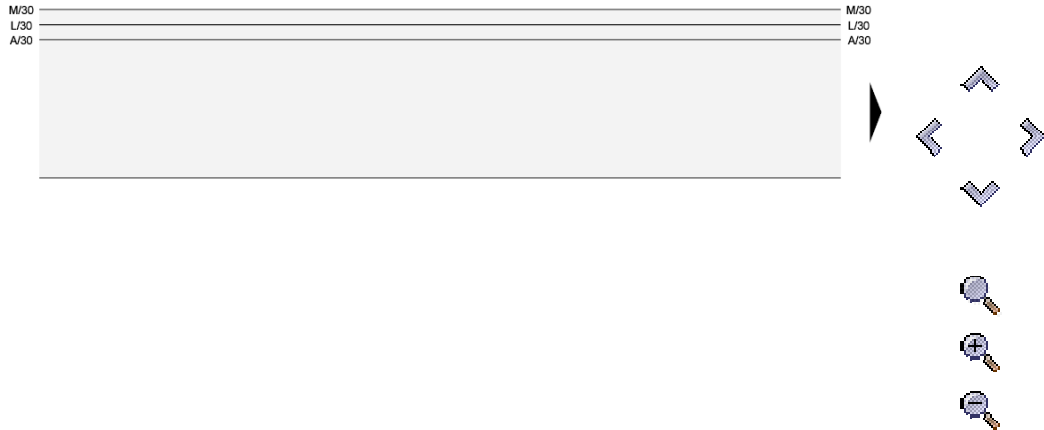
Position of relays

KL15 - Terminal 15 voltage supply relay -2- J681







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Current Flow Diagram

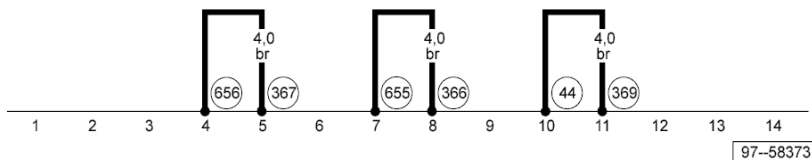
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Earth points, earth connections

- 44 - Earth point, lower part of left A pillar  
- 366 - Earth connection -1-, in main wiring harness
- 367 - Earth connection -2-, in main wiring harness
- 369 - Earth connection -4-, in main wiring harness
- 655 - Earth point, on left headlight  
- 656 - Earth point, on right headlight  

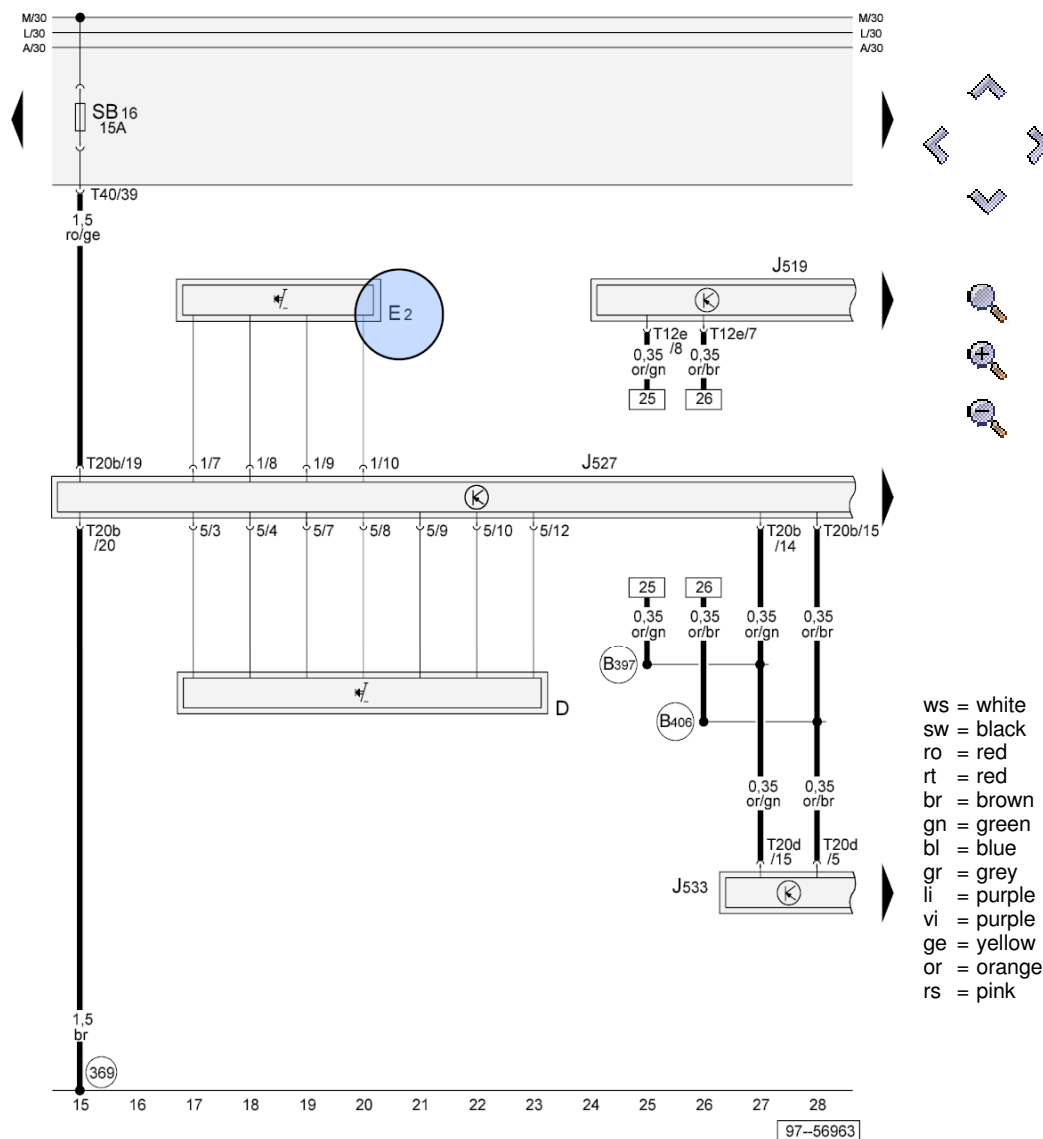
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink










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Current Flow Diagram

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Turn signal switch, ignition/starter switch

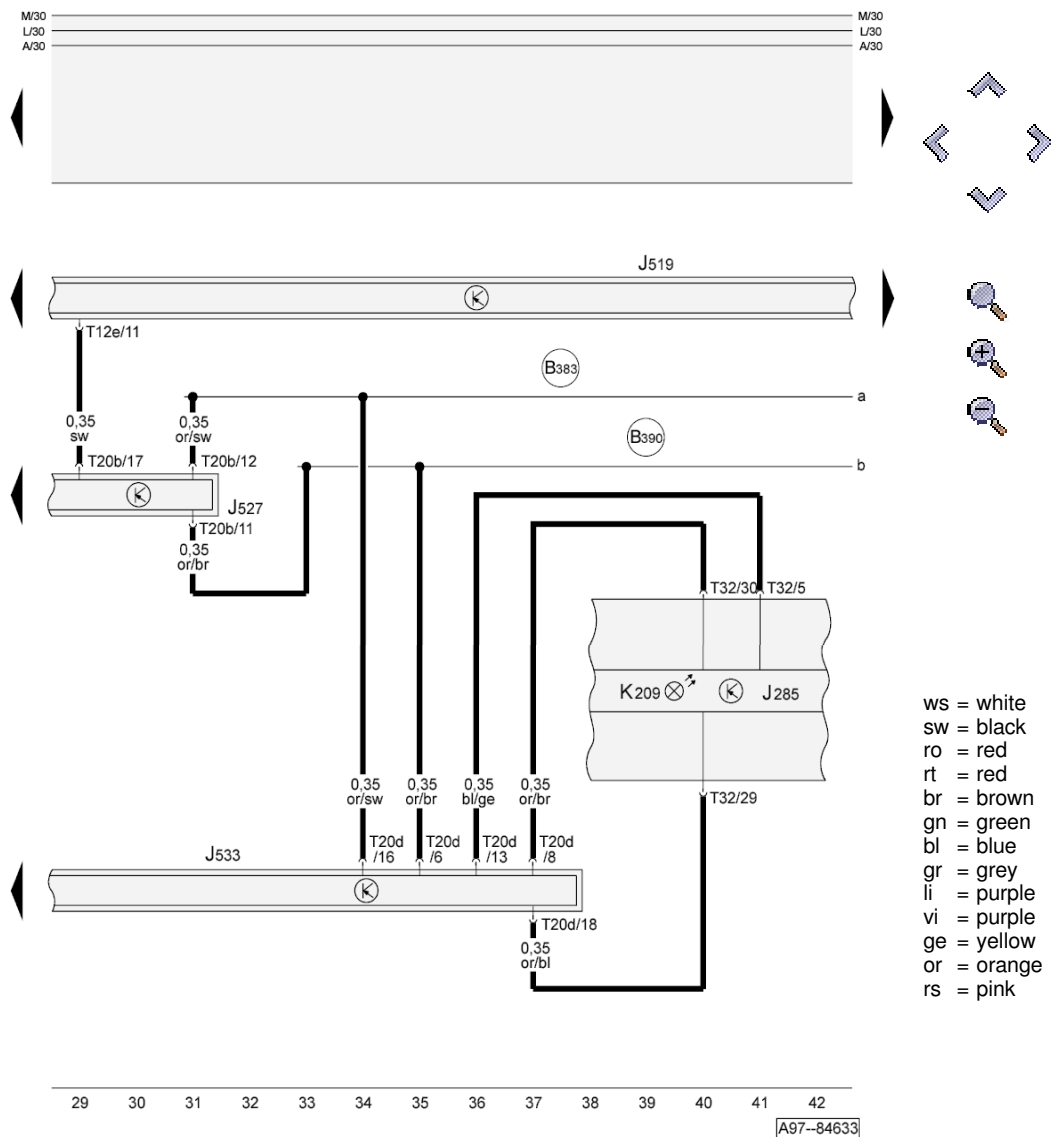
- D - Ignition/starter switch
- E2 - Turn signal switch
- J519 - Onboard power supply control unit  
- J527 - Steering column electronics control unit 
- J533 - Data bus diagnostic interface  
- SB16 - Fuse 16 on fuse box  
- T12e - 12-pin connector, black (connector G)
- T20b - 20-pin connector, black (connector A)
- T20d - 20-pin connector, yellow (connector A)
- T40 - 40-pin connector, black, at electronics box, engine compartment (connector J)
- 369 - Earth connection 4, 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

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Current Flow Diagram

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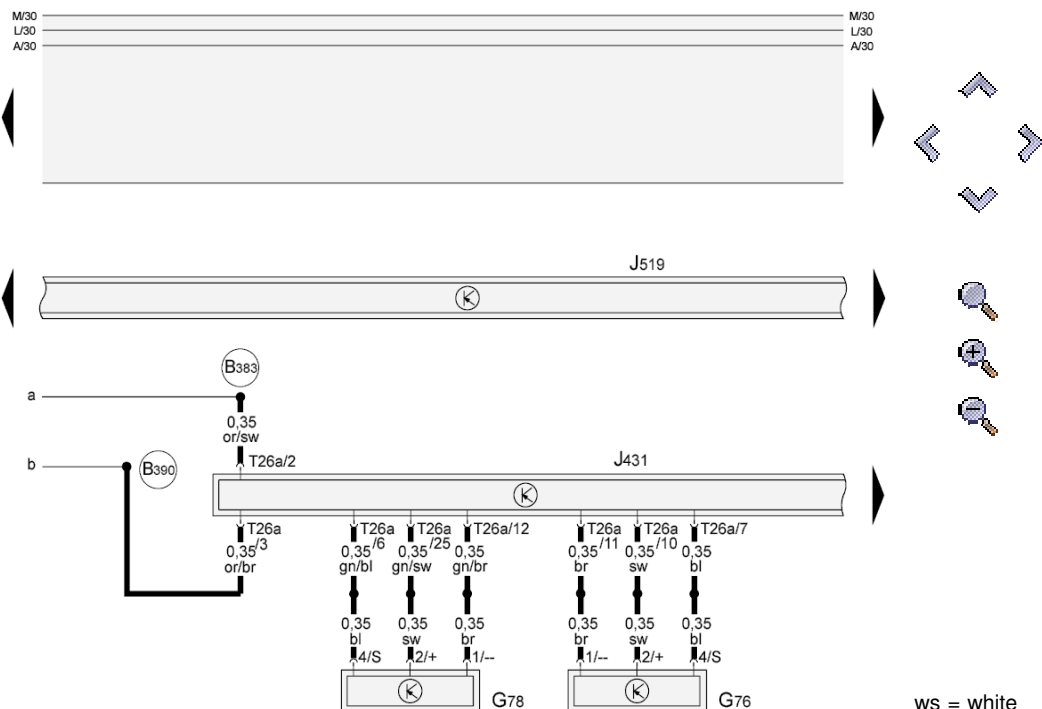
Control unit with display in dash panel insert

- J285 - Control unit with display in dash panel insert
- J519 - Onboard power supply control unit
- J527 - Steering column electronics control unit
- J533 - Data bus diagnostic interface
- K209 - Automatic control of lights warning lamp
- T12e - 12-pin connector, black (connector G)
- T20b - 20-pin connector, black (connector A)
- T20d - 20-pin connector, yellow (connector A)
- T32 - 32-pin connector, blue (connector A)
- B383 - Connection -1- (drive train CAN bus, high), in main wiring harness
- B390 - Connection -1- (drive train CAN bus, low), in main wiring harness





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Current Flow Diagram

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Vehicle level senders

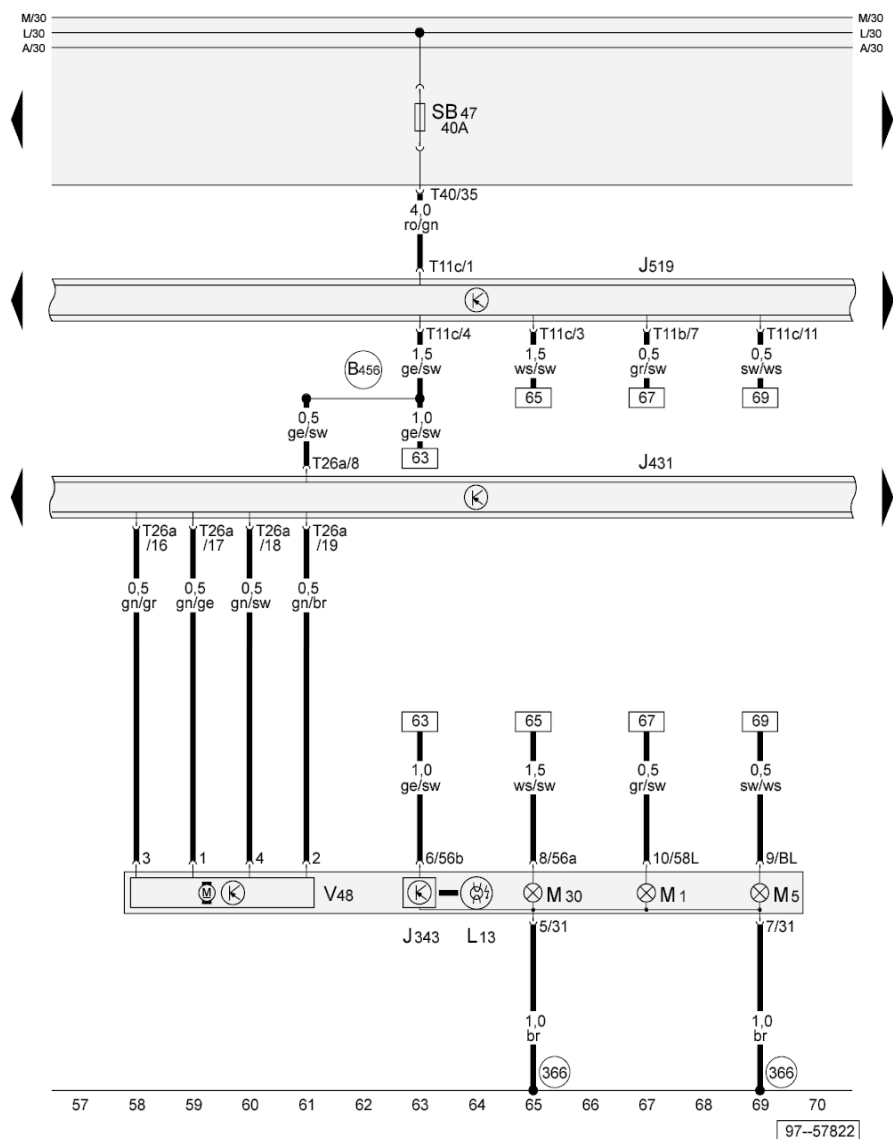
- G76 - Vehicle level sender, rear left
- G78 - Vehicle level sender, front left
- J431 - Headlight range control, control unit  
- J519 - Onboard power supply control unit  
- T26a - 26-pin connector, black (connector A)
- B383 - Connection -1- (drive train CAN bus, high), in main wiring harness
- B390 - Connection -1- (drive train CAN bus, low), in main wiring harness

43 44 45 46 47 48 49 50 51 52 53 54 55 56
97-57117

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Current Flow Diagram

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Left headlight

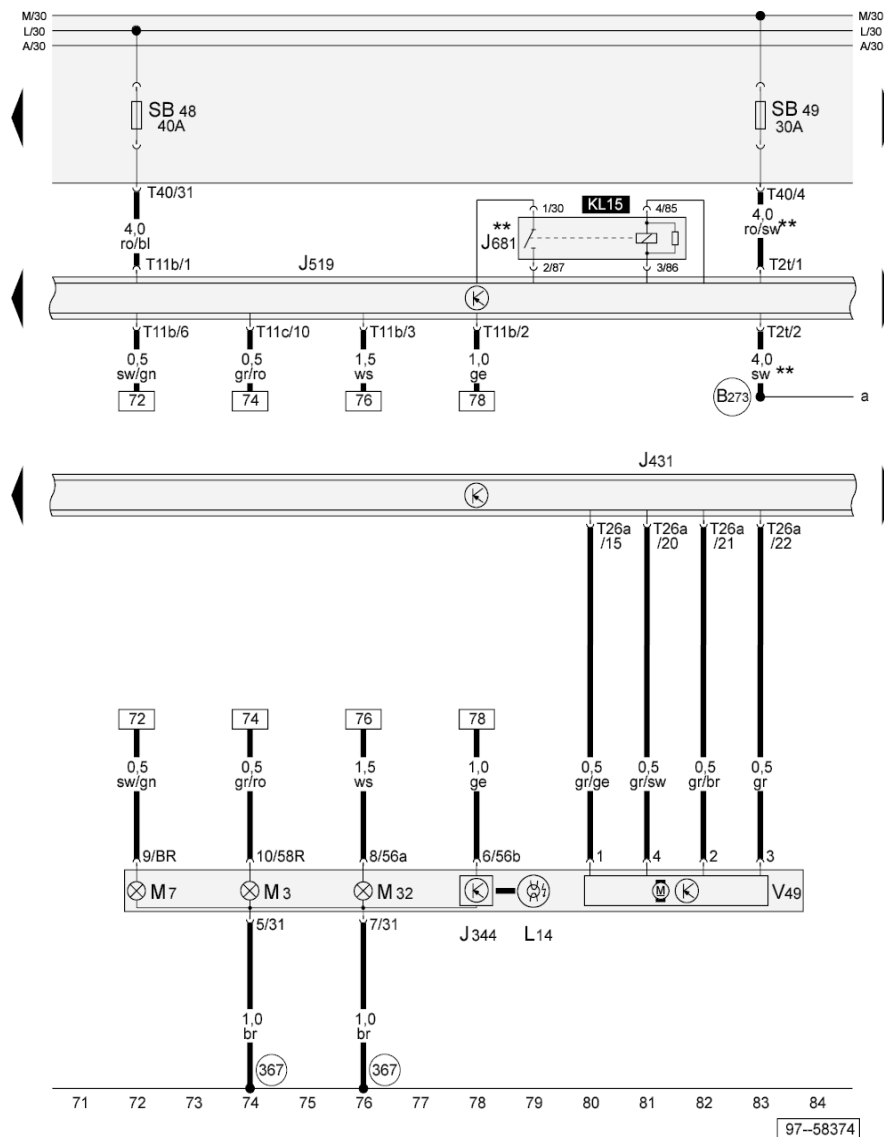
- J343 - Left gas discharge lamp control unit
- J431 - Headlight range control, control unit
- J519 - Onboard power supply control unit
- L13 - Gas discharge lamp, left
- M1 - Side light bulb, left
- M5 - Turn signal bulb, front left
- M30 - Main beam bulb, left
- SB47 - Fuse 47 on fuse box
- T11b - 11-pin connector, black (connector A)
- T11c - 11-pin connector, brown (connector D)
- T26a - 26-pin connector, black (connector A)
- T40 - 40-pin connector, black, at electronics box, engine compartment (connector J)
- V48 - Headlight range control motor, left
- 366 - Earth connection 1, in main wiring harness
- B456 - Connection (56b), in main wiring harness

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Current Flow Diagram

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Right headlight

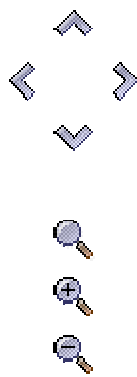
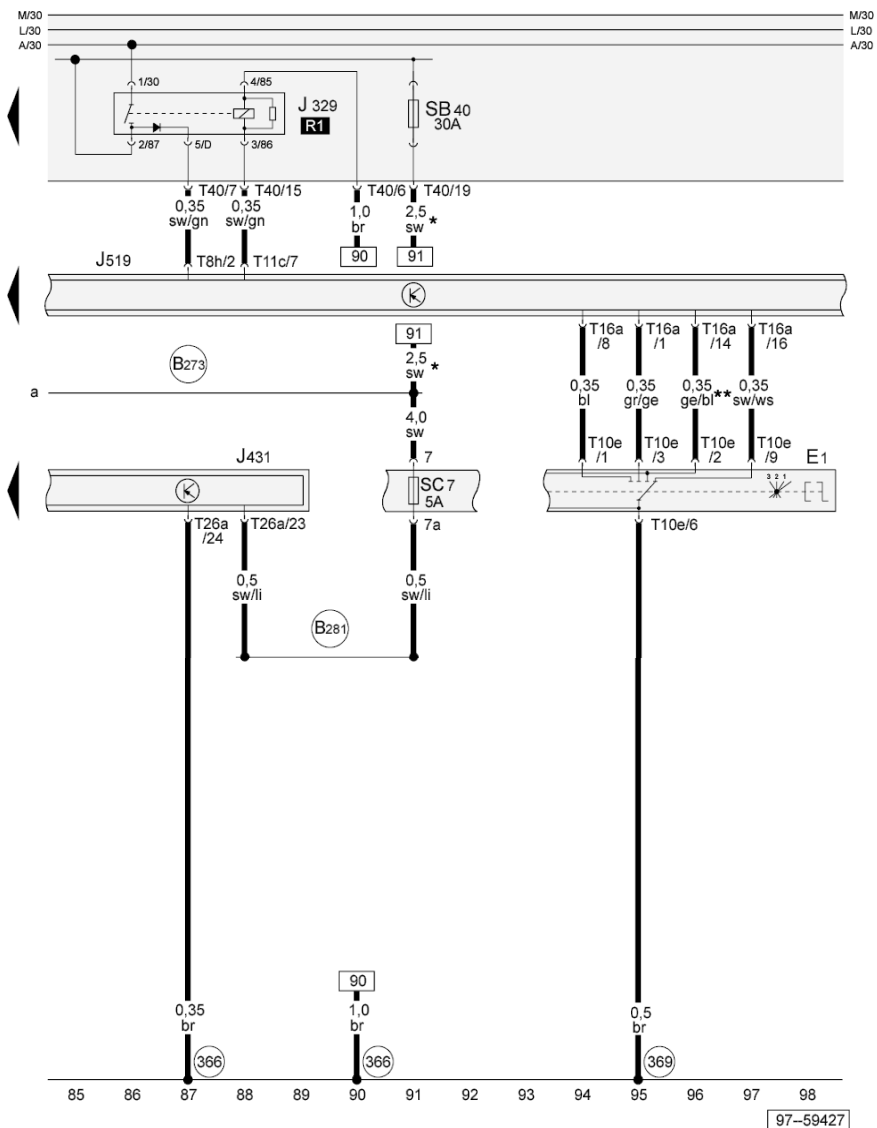
- J344 - Right gas discharge lamp control unit  
- J431 - Headlight range control, control unit  
- J519 - Onboard power supply control unit  
- J681 - Terminal 15 voltage supply relay 2  
- L14 - Gas discharge lamp, right
- M3 - Side light bulb, right
- M7 - Turn signal bulb, front right
- M32 - Main beam bulb, right
- SB48 - Fuse 48 on fuse box  
- SB49 - Fuse 49 on fuse box  
- T2t - 2-pin connector, black (connector L)
- T11b - 11-pin connector, black (connector A)
- T11c - 11-pin connector, brown (connector D)
- T26a - 26-pin connector, black (connector A)
- T40 - 40-pin connector, black, at electronics box, engine compartment (connector J)
- V49 - Headlight range control motor, right
- 367 - Earth connection 2, in main wiring harness
- B273 - Positive (+) connection (15), in main wiring harness
- ** - Only applies to models with battery in luggage compartment

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Current Flow Diagram

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ws = white
 sw = black
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 gn = green
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 gr = grey
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 vi = purple
 ge = yellow
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 rs = pink

Light switch, terminal 15 voltage supply relay

- E1 - Light switch
- J329 - Terminal 15 voltage supply relay
- J431 - Headlight range control, control unit
- J519 - Onboard power supply control unit
- SB40 - Fuse 40 on fuse box
- SC7 - Fuse 7 on fuse box
- T8h - 8-pin connector, black (connector F)
- T10e - 10-pin connector, black (connector A)
- T11c - 11-pin connector, brown (connector D)
- T16a - 16-pin connector, black (connector E)
- T26a - 26-pin connector, black (connector A)
- T40 - 40-pin connector, black, at electronics box, engine compartment (connector J)
- 366 - Earth connection 1, in main wiring harness
- 369 - Earth connection 4, in main wiring harness
- B273 - Positive (+) connection (15), in main wiring harness
- B281 - Positive (+) connection 5 (15a), in main wiring harness
- * - Only applies to models with battery in engine compartment
- ** - Only applies to models with automatic headlight switching with coming home function => applicable Current Flow Diagram