

Audi A6

Current Flow Diagram

No. 49 / 1

05.2012

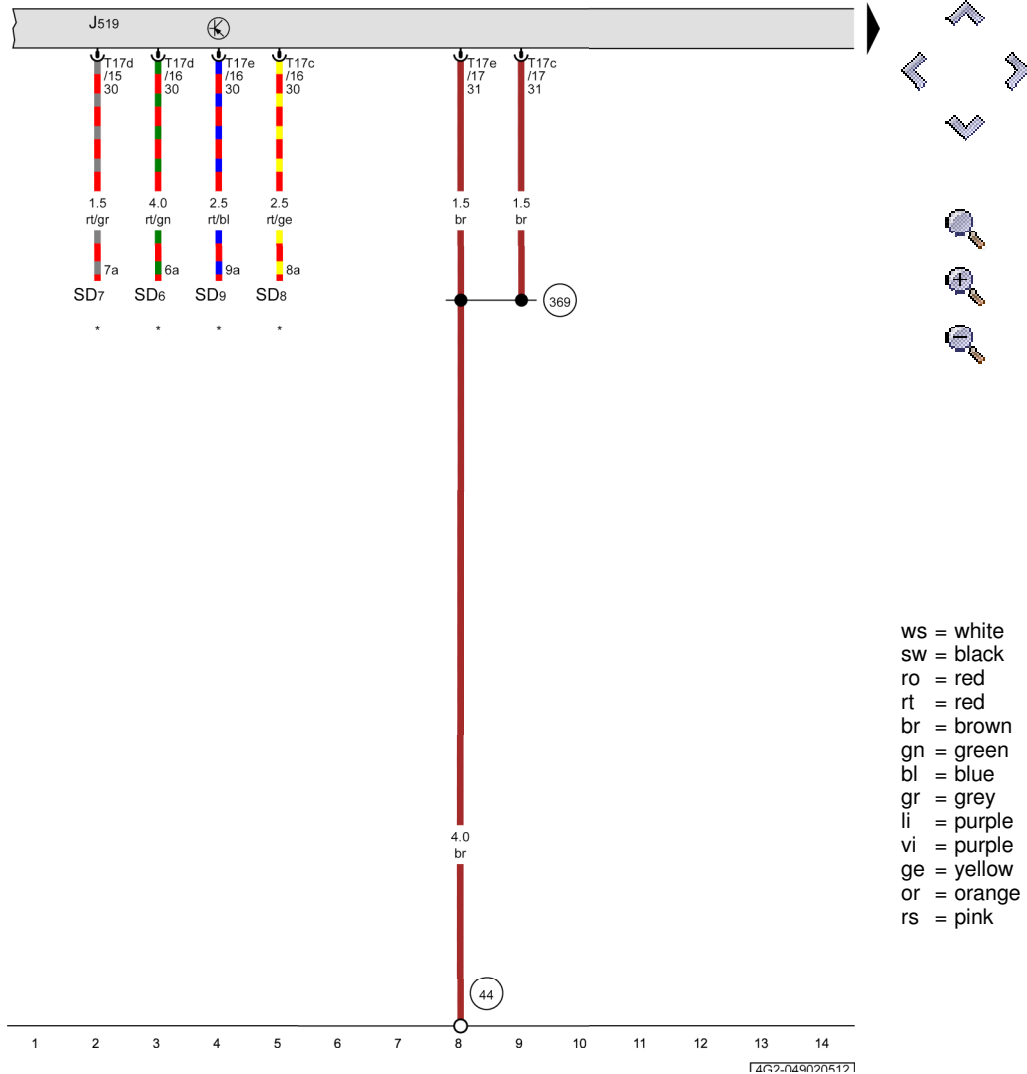
**Gas discharge headlights with automatic headlight range control**

From January 2011

# Audi A6

## Current Flow Diagram

No. 49 / 2



### Onboard supply control unit

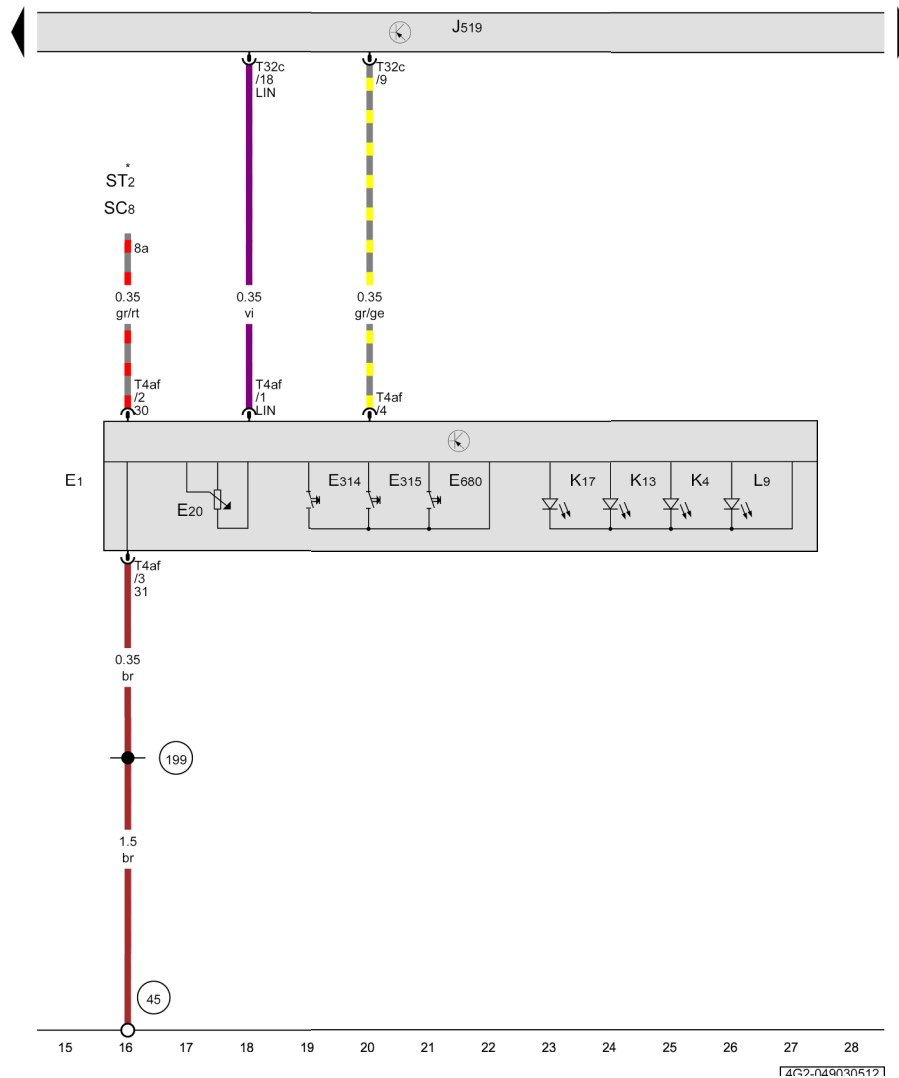
- J519 - Onboard supply control unit
- SD6 - Fuse 6 on fuse holder D
- SD7 - Fuse 7 on fuse holder D
- SD8 - Fuse 8 on fuse holder D
- SD9 - Fuse 9 on fuse holder D
- T17c - 17-pin connector
- T17d - 17-pin connector
- T17e - 17-pin connector
- 44 - Earth point, lower part of left A-pillar
- 369 - Earth connection 4, in main wiring harness
- \* - see applicable current flow diagram for fuse assignment

- 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

# Audi A6

## Current Flow Diagram

### No. 49 / 3



#### Light switch, Onboard supply control unit

- E1 - Light switch
- E20 - Switch and instrument illumination regulator
- E314 - Rear fog light button
- E315 - Fog light button
- E680 - Button for night vision system
- J519 - Onboard supply control unit
- K4 - Side light warning lamp
- K13 - Rear fog light warning lamp
- K17 - Fog light warning lamp
- L9 - Light switch illumination bulb
- ST2 - Fuse carrier 2
- SC8 - Fuse 8 on fuse holder C
- T4af - 4-pin connector
- T32c - 32-pin connector
- 45 - Earth point, centre behind dash panel
- 199 - Earth connection 3, in dash panel wiring harness
- \* - see applicable current flow diagram for fuse assignment

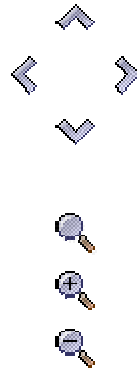
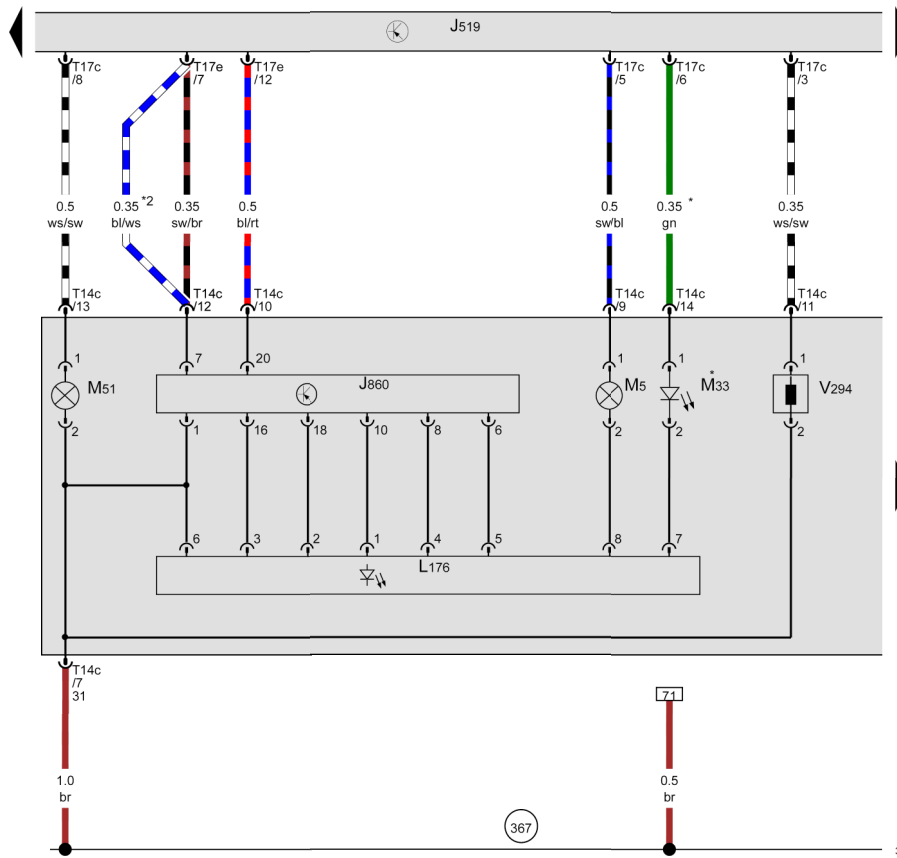


ws = white  
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 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink

# Audi A6

## Current Flow Diagram

No. 49 / 4



**Onboard supply control unit, Control unit for left daytime running light and side light, Left LED module for daytime running light and side light, Front left turn signal bulb, Front left side marker bulb, Left static cornering light, Left dip beam screen motor**

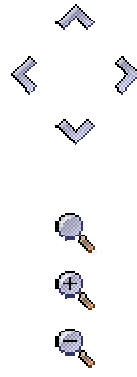
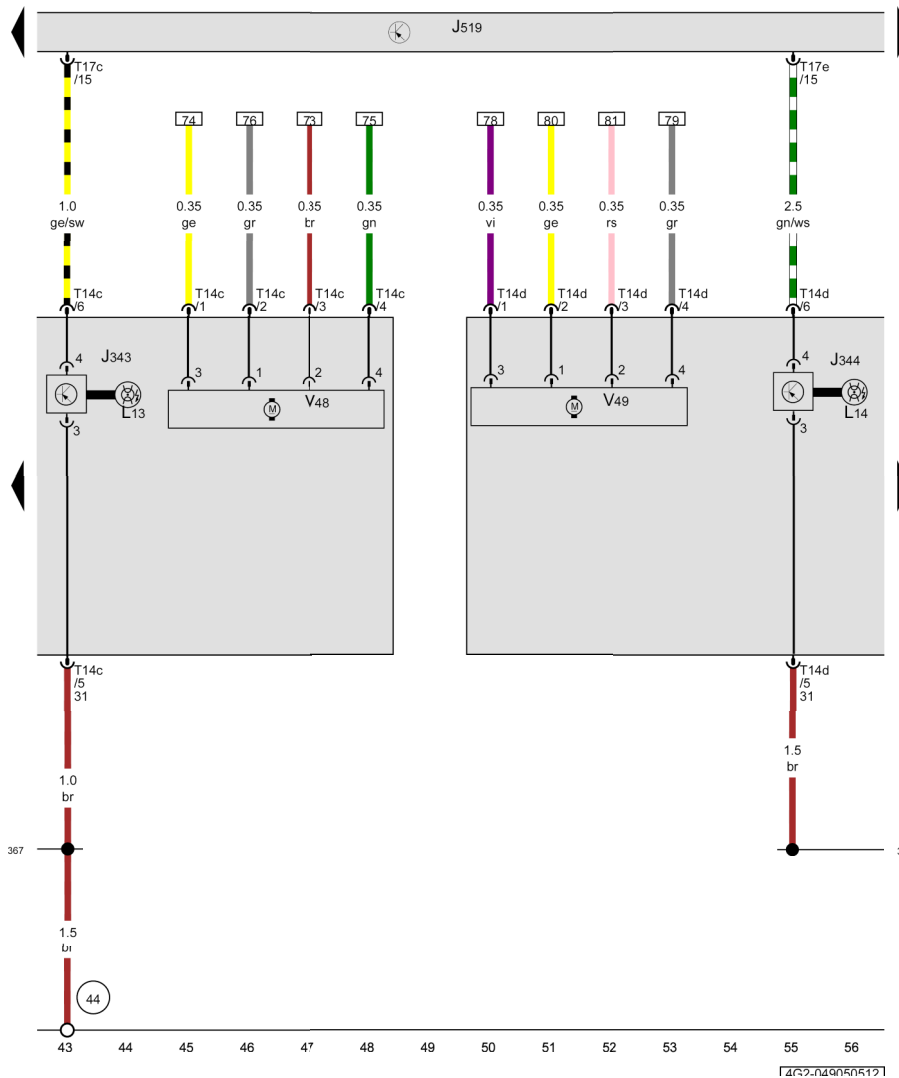
- J519 - Onboard supply control unit
- J860 - Control unit for left daytime running light and side light
- L176 - Left LED module for daytime running light and side light
- M5 - Front left turn signal bulb
- M33 - Front left side marker bulb
- M51 - Left static cornering light
- T14c - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- V294 - Left dip beam screen motor
- 367 - Earth connection 2, in main wiring harness
- \* - Only for American markets
- \*2 - From June 2011

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

# Audi A6

## Current Flow Diagram

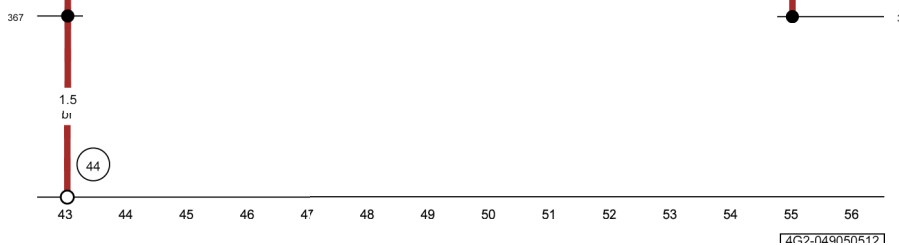
### No. 49 / 5



Left gas discharge bulb control unit, Right gas discharge bulb control unit, Onboard supply control unit, Left gas discharge (xenon) bulb, Right gas discharge (xenon) bulb, Left headlight range control motor, Right headlight range control motor

- J343 - Left gas discharge bulb control unit
- J344 - Right gas discharge bulb control unit
- J519 - Onboard supply control unit
- L13 - Left gas discharge (xenon) bulb
- L14 - Right gas discharge (xenon) bulb
- T14c - 14-pin connector
- T14d - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- V48 - Left headlight range control motor
- V49 - Right headlight range control motor
- 44 - Earth point, lower part of left A-pillar
- 367 - Earth connection 2, in main wiring harness
- 379 - Earth connection 14, in main wiring harness

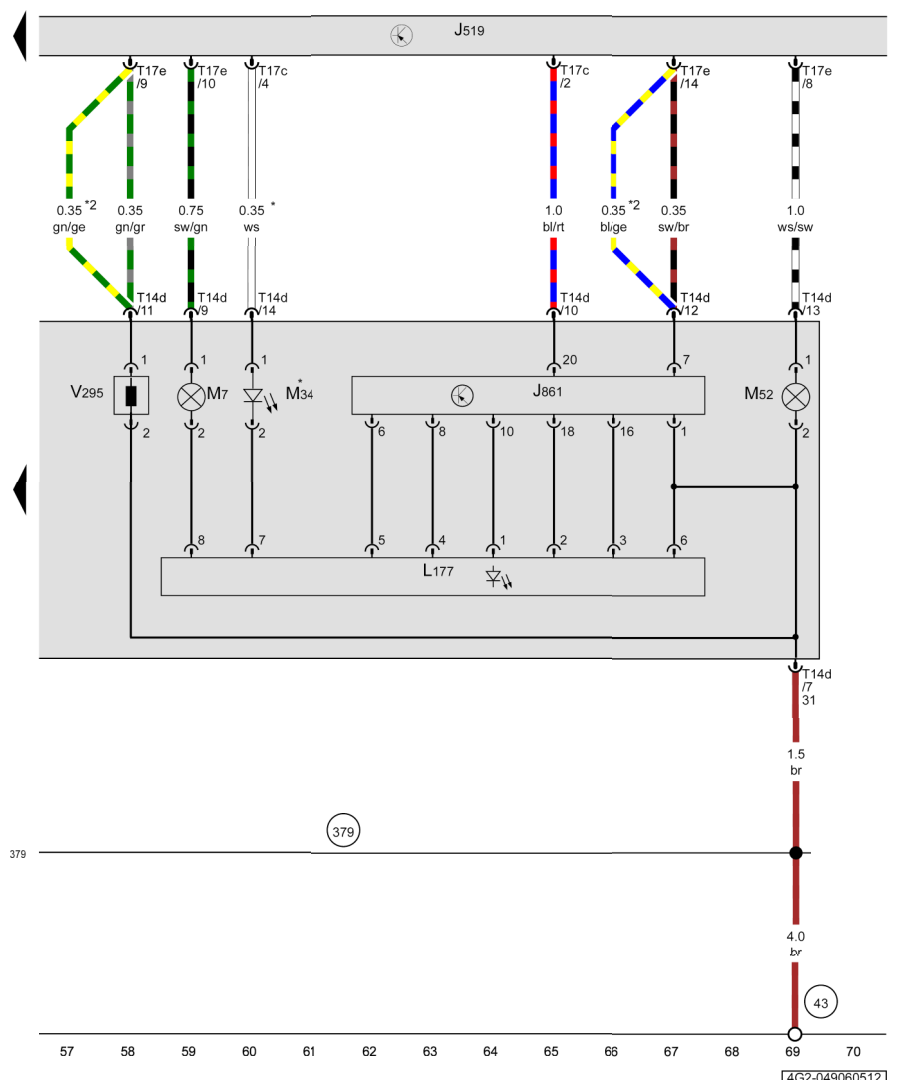
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 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
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# Audi A6

## Current Flow Diagram

No. 49 / 6



**Onboard supply control unit, Right LED module for daytime running light and side light, Front right turn signal bulb, Front right side marker bulb, Right static cornering light, Right dip beam screen motor**

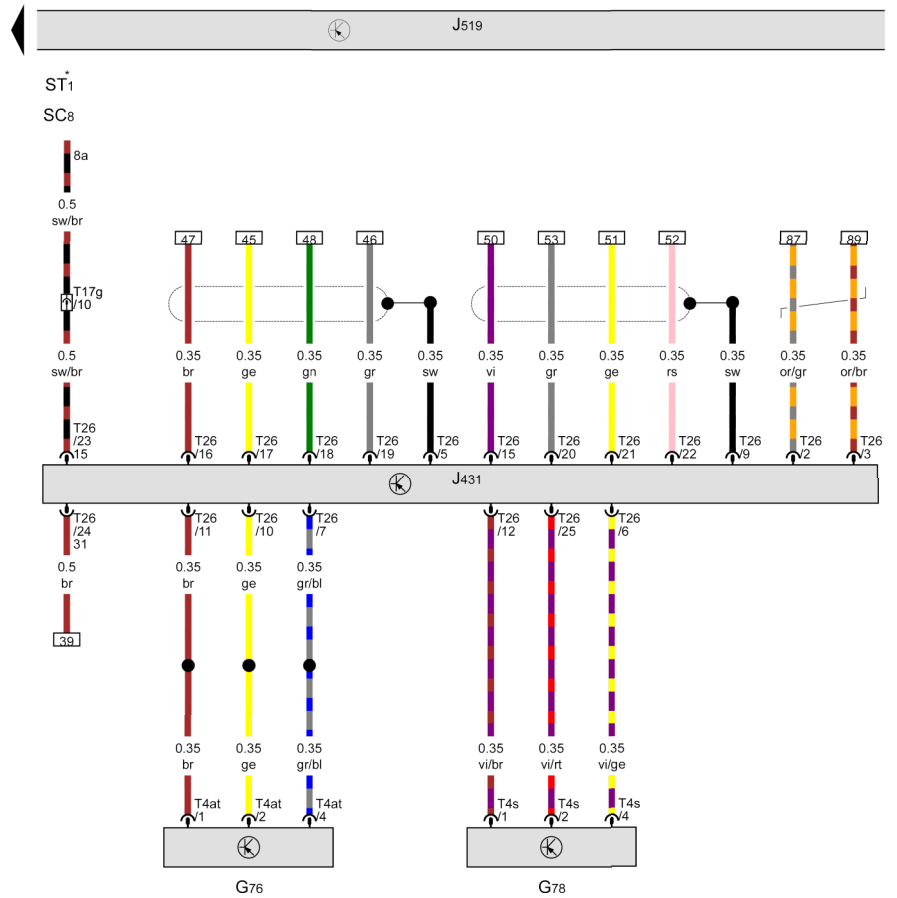
- J519 - Onboard supply control unit
- J861 - Control unit for right daytime running light and side light
- L177 - Right LED module for daytime running light and side light
- M7 - Front right turn signal bulb
- M34 - Front right side marker bulb
- M52 - Right static cornering light
- T14d - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- V295 - Right dip beam screen motor
- 43 - Earth point, lower part of right A-pillar
- 379 - Earth connection 14, in main wiring harness
- \* - Only for American markets
- \*2 - From June 2011

ws = white  
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 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
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# Audi A6

## Current Flow Diagram

No. 49 / 7



### Rear left vehicle level sender, Front left vehicle level sender, Headlight range control unit, Onboard supply control unit

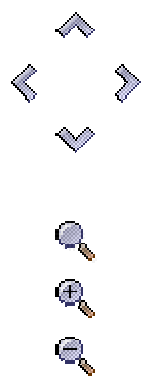
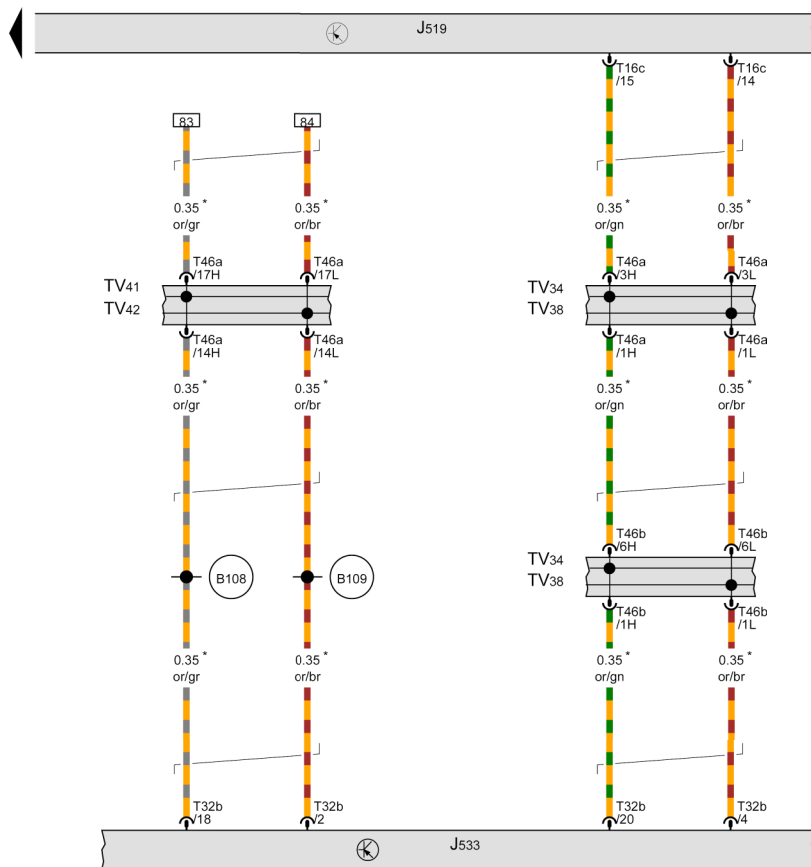
- G76 - Rear left vehicle level sender
- G78 - Front left vehicle level sender
- J431 - Headlight range control unit 
- J519 - Onboard supply control unit 
- ST1 - Fuse carrier 1
- SC8 - Fuse 8 on fuse holder C
- T4at - 4-pin connector
- T4s - 4-pin connector
- T17g - 17-pin connector, in left A-pillar coupling station 
- T26 - 26-pin connector
- \* - see applicable current flow diagram for fuse assignment

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

# Audi A6

## Current Flow Diagram

No. 49 / 8



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

**Onboard supply control unit, Data bus diagnostic interface, Wiring junction for convenience CAN bus, high, Wiring junction for convenience CAN bus, low, Wiring junction for CAN bus extended high, Wiring junction for CAN bus extended low**

- J519 - Onboard supply control unit
- J533 - Data bus diagnostic interface
- T16c - 16-pin connector
- T32b - 32-pin connector
- T46a - 46-pin connector
- T46b - 46-pin connector
- TV34 - Wiring junction for convenience CAN bus, high
- TV38 - Wiring junction for convenience CAN bus, low
- TV41 - Wiring junction for CAN bus extended high
- TV42 - Wiring junction for CAN bus extended low
- B108 - Connection 1 (CAN bus extended high), in main wiring harness
- B109 - Connection 1 (CAN bus extended low), in main wiring harness
- \* - Data bus wire (CAN bus)