

# Audi A4

## Current Flow Diagram

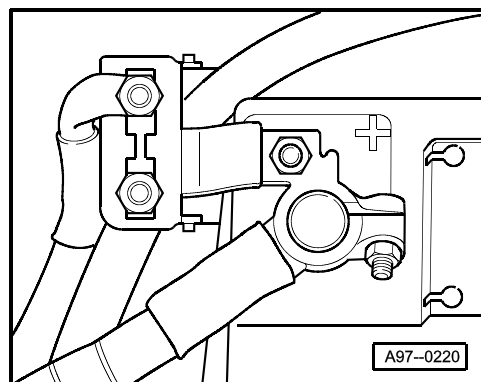
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Edition 04.2006

### Air conditioning system

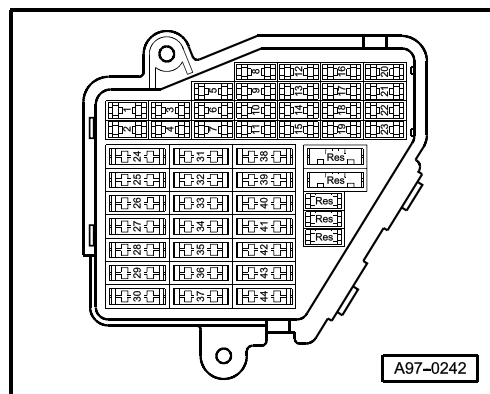
from model year 2004

#### Main fuse



- ♦ On the battery

#### Fuse holder



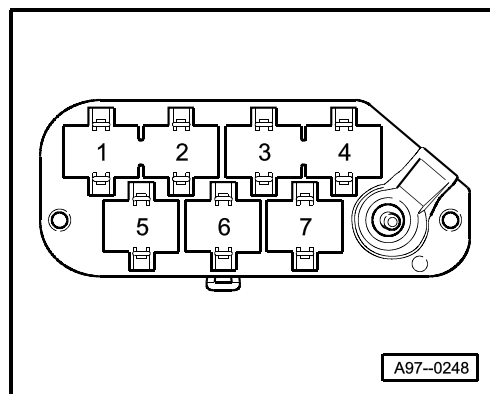
- ♦ Driver side dash panel

**Fuse colours**

30 A - green  
25 A - white  
20 A - yellow  
15 A - blue  
10 A - red  
7,5 A - brown  
5 A - beige

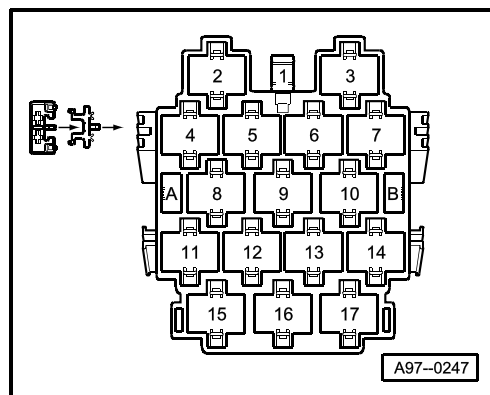
**Note:**

*From fuse number 23 upwards the fuses in the fuse holder are designated as 223 in the Current Flow Diagram.*

**Coupling station with screw connection**

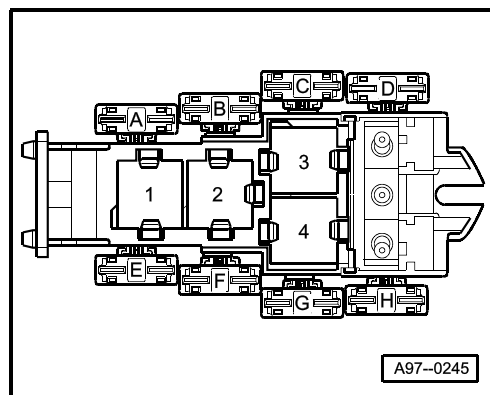
- ♦ In electronics box in plenum chamber  
3 - 17-pin connector, red (T17d)

**Coupling station of A-pillar**



- ♦ Left bottom behind side trim
  - 9 - 17-pin connector, dark brown (T17g)
  - 13 - 10-pin connector, violet (T10c)
  - 14 - 10-pin connector, grey (T10d)

#### 4-point relay carrier with screw connection

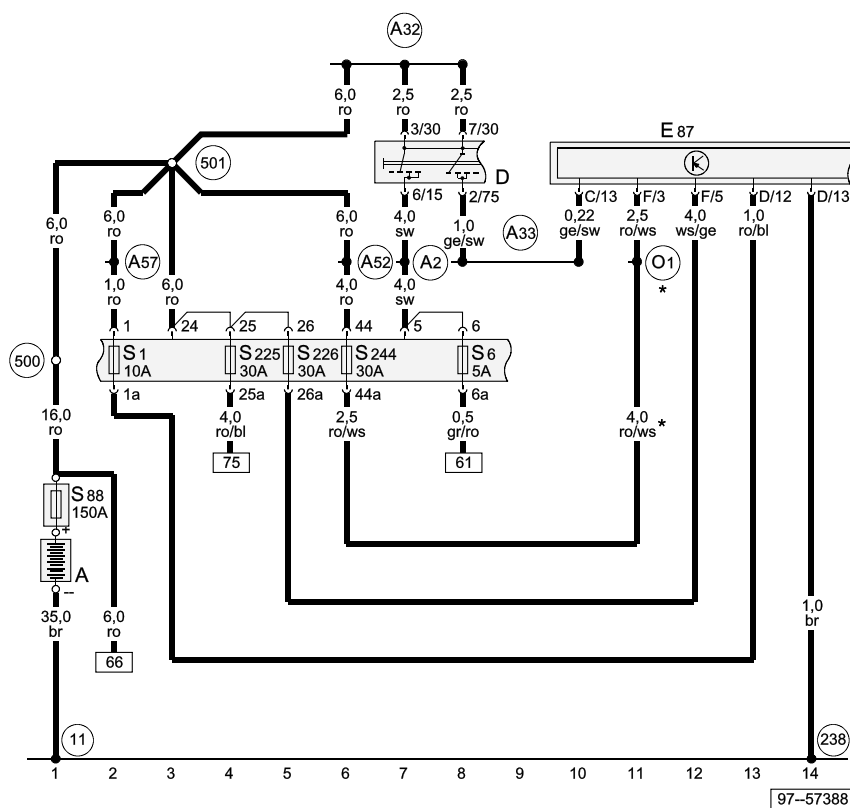


- ♦ Driver side dash panel

## Audi A4

## Current Flow Diagram

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### Operating and display unit for air conditioning system/Climatronic, fuses

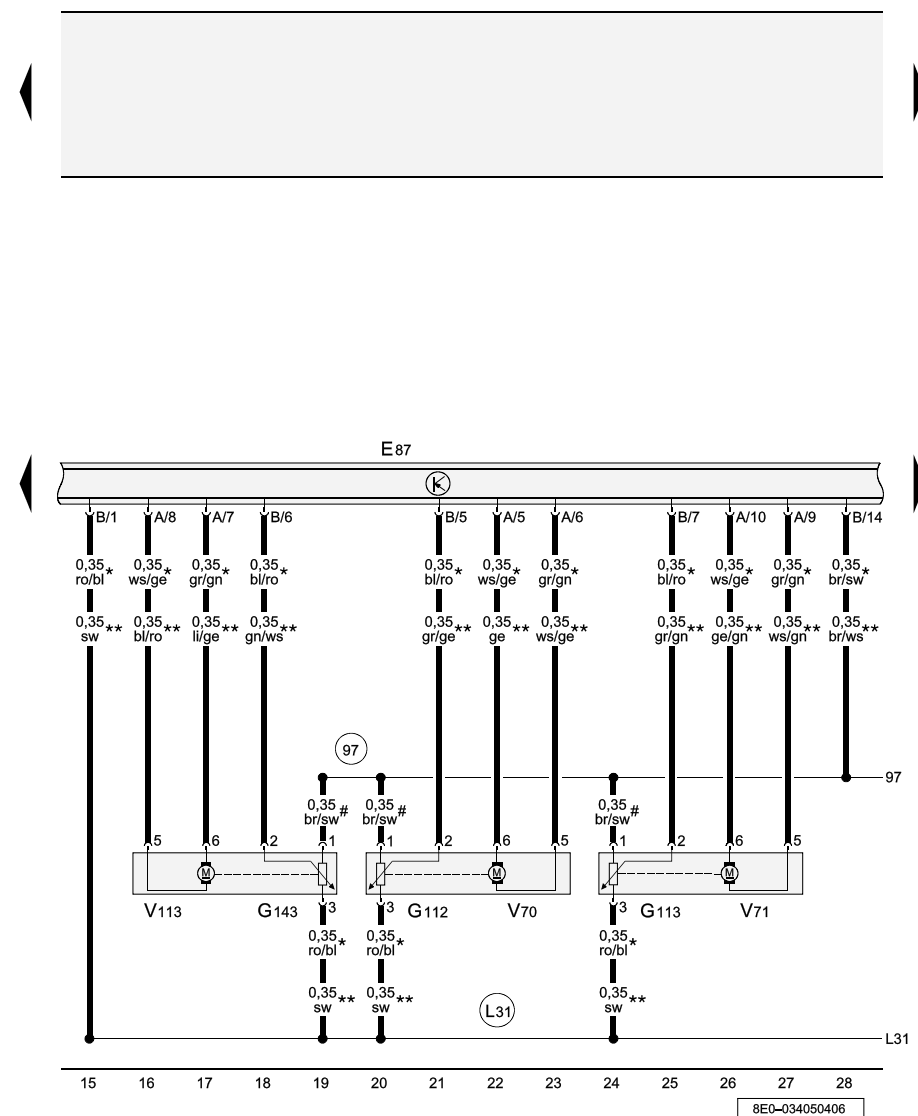
- A - Battery
- D - Ignition/starter switch
- E87 - Operating and display unit for air conditioning system/Climatronic
- S1 - Fuse in relay plate fuse holder
- S6 - Fuse in relay plate fuse holder
- S88 - Strip fuse (main fuse)
- S225 - Fuse in fuse holder
- S226 - Fuse in fuse holder (heated rear window)
- S244 - Fuse in fuse holder
- 11 - Earth point, in battery box
- 238 - Earth connection 1, in interior wiring harness
- 500 - Screw connection 1 (30), on relay plate
- 501 - Screw connection 2 (30), on relay plate
- A2 - Positive connection (15), in dash panel wiring harness
- A32 - Positive connection (30), in dash panel wiring harness
- A33 - Connection (75), in dash panel wiring harness
- A52 - Positive connection 2 (30), in dash panel wiring harness
- A57 - Positive connection 3 (30), in dash panel wiring harness
- O1 - Positive connection (30), in seat heating wiring harness
- \* - for models with heated rear seats only

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 A4

## Current Flow Diagram

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**Air recirculation flap control motor, central flap control motor, air flow flap control motor**

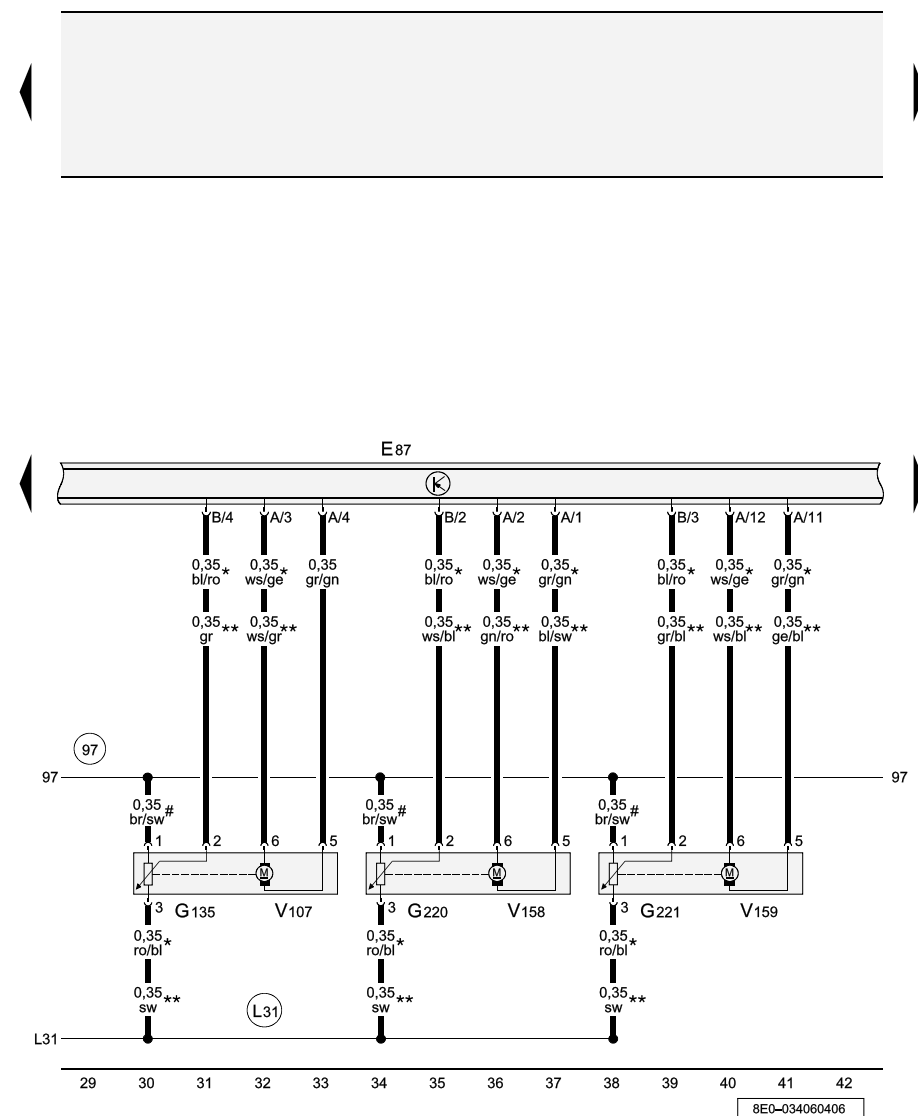
- E87 - Operating and display unit for air conditioning system/Climatronic
- G112 - Central flap control motor potentiometer
- G113 - Air flow flap control motor potentiometer
- G143 - Potentiometer for air recirculation flap control motor
- V70 - Central flap control motor
- V71 - Air flow flap control motor
- V113 - Air recirculation flap control motor
- 97 - Earth connection 1, in air conditioning system wiring harness
- L31 - Connection (5V), in air conditioning system wiring harness
- \* - no longer fitted, phased-in modification
- \*\* - phased-in modification
- # - cable colour was modified from brown/ white, phased-in modification

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 A4

## Current Flow Diagram

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### Defroster flap control motor, left temperature flap control motor, right temperature flap control motor

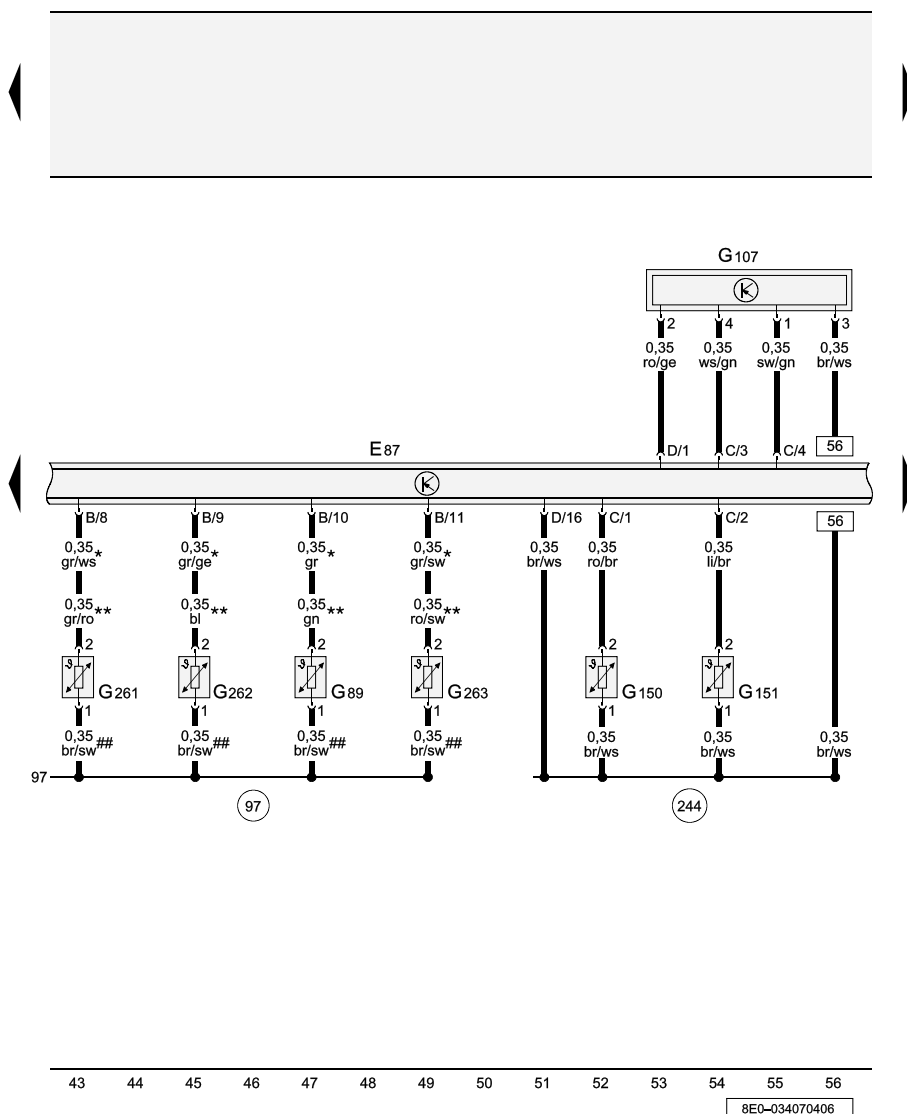
- E87 - Operating and display unit for air conditioning system/Climatronic
- G135 - Defroster flap control motor potentiometer
- G220 - Potentiometer for left temperature flap control motor
- G221 - Potentiometer for right temperature flap control motor
- V107 - Defroster flap control motor
- V158 - Left temperature flap control motor
- V159 - Right temperature flap control motor
- 97 - Earth connection 1, in air conditioning system wiring harness
- L31 - Connection (5V), in air conditioning system wiring harness
- \* - no longer fitted, phased-in modification
- \*\* - phased-in modification
- # - cable colour was modified from brown/ white, phased-in modification

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 A4

## Current Flow Diagram

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**Sunlight penetration photosensor, vent temperature sender, fresh air intake duct temperature sensor**

- E87 - Operating and display unit for air conditioning system/Climatronic
- G89 - Fresh air intake duct temperature sensor
- G107 - Sunlight penetration photosensor
- G150 - Left vent temperature sender
- G151 - Right vent temperature sender
- G261 - Left footwell vent temperature sender
- G262 - Right footwell vent temperature sender
- G263 - Evaporator out-flow temperature sender
- 97 - Earth connection 1, in air conditioning system wiring harness
- 244 - Earth connection (sender earth), in Climatronic wiring harness
- \* - no longer fitted, phased-in modification
- \*\* - phased-in modification
- ## - cable colour was modified from white, phased-in modification

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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\*\* - for models with windscreen heater only

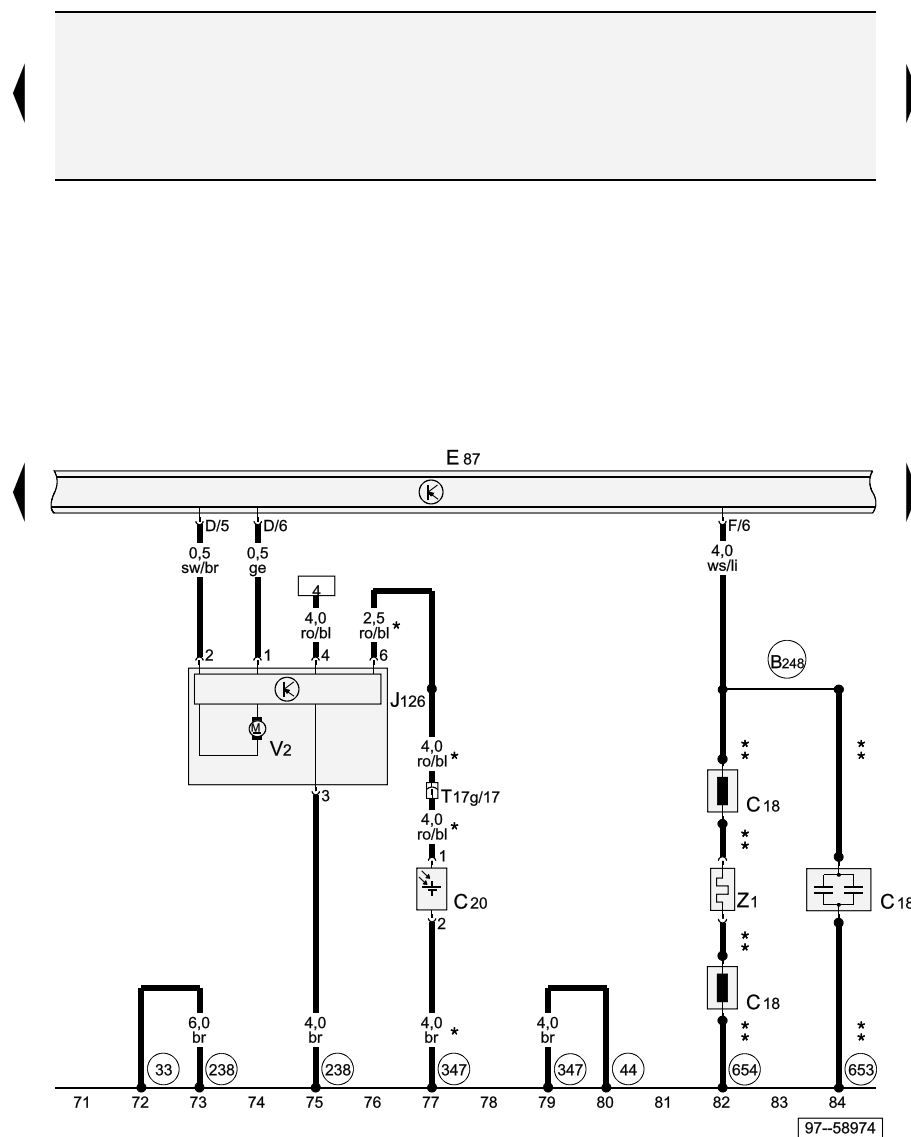
ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
vi = purple  
ge = yellow  
or = orange  
rs = pink



## Audi A4

## Current Flow Diagram

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### Operating and display unit for air conditioning system/Climatronic, fresh air blower, solar cells, heated rear window

- C18 - Window aerial suppression filter
- C20 - Solar cells
- E87 - Operating and display unit for air conditioning system/Climatronic
- J126 - Fresh air blower control unit
- T17g - 17-pin connector, dark brown, coupling station on left A-pillar
- V2 - Fresh air blower
- Z1 - Heated rear window
- 33 - Earth point, on right behind dash panel
- 44 - Earth point, lower part of left A-pillar
- 238 - Earth connection 1, in interior wiring harness
- 347 - Earth connection, in roof wiring harness
- 653 - Earth point, left D-pillar
- 654 - Earth point, right D-pillar
- B248 - Connection 2 (heated rear window), in interior wiring harness
- \* - for models with solar roof only
- \*\* - For Avant models ⇒ see applicable Current Flow Diagram: Avant models, rear

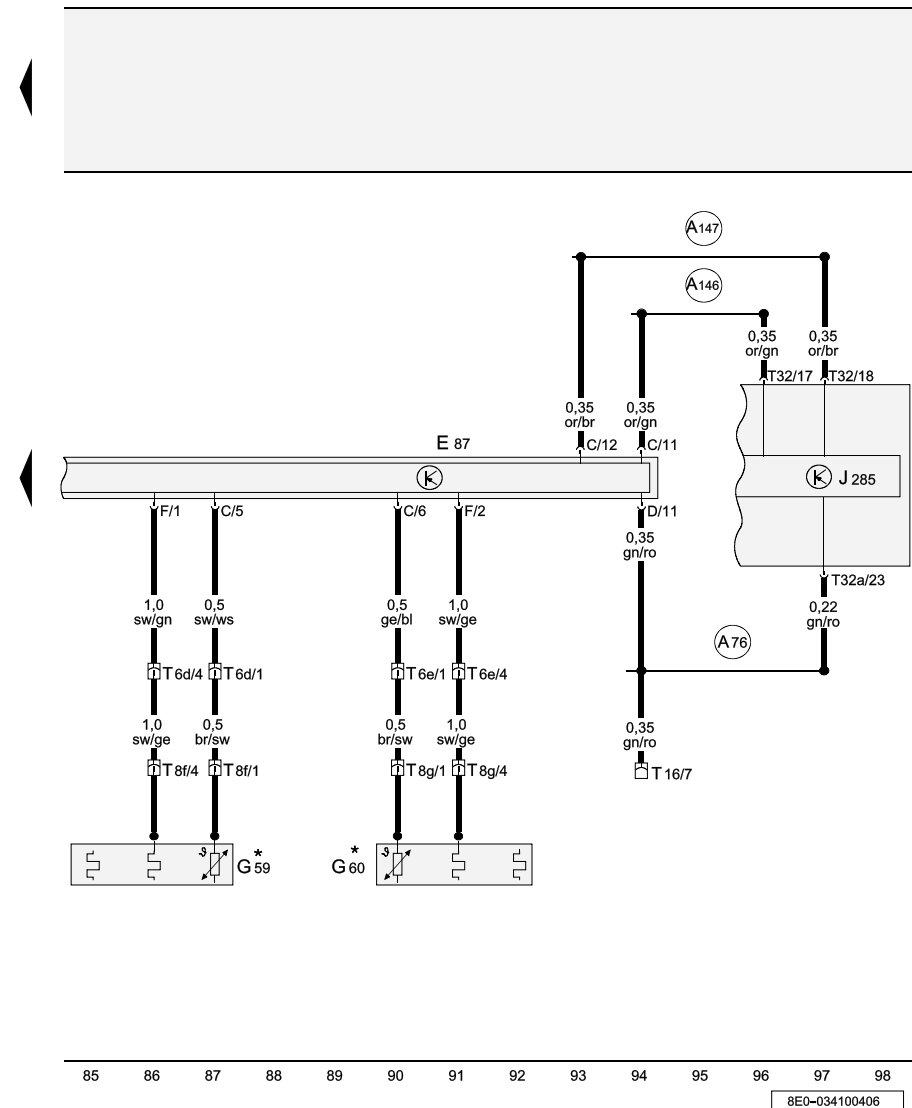
ws = white  
 sw = black  
 ro = red  
 rt = red  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink


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## Audi A4

## Current Flow Diagram

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**Control unit in dash panel insert**

- E87 - Operating and display unit for air conditioning system/Climatronic
- G59 - Driver seat temperature sensor
- G60 - Front passenger seat temperature sensor
- J285 - Control unit in dash panel insert 
- T6d - 6-pin connector, green, coupling station seat wiring, driver seat
- T6e - 6-pin connector, green, coupling station seat wiring, front passenger seat
- T8f - 8-pin connector, on driver seat for heated driver seat
- T8g - 8-pin connector, on front passenger seat for heated front passenger seat
- T16 - 16-pin connector, black, diagnostic connector
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- \* - for models with heated seats only, ⇒ applicable seat heating Current Flow Diagram

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