

Audi A4

Current Flow Diagram

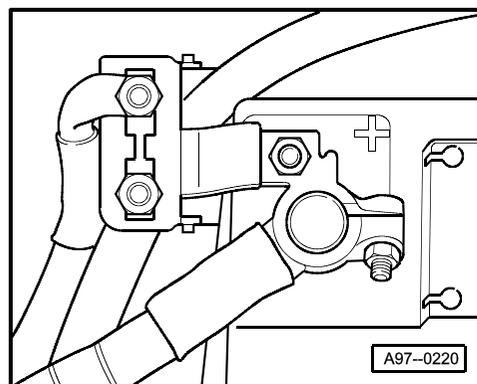
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Edition 04.2006

Air conditioning system

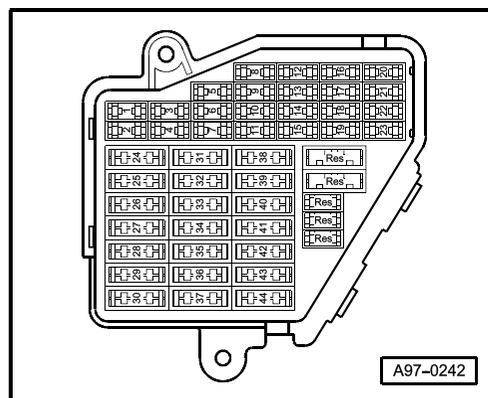
from model year 2004

Main fuse



- ◆ On the battery

Fuse holder



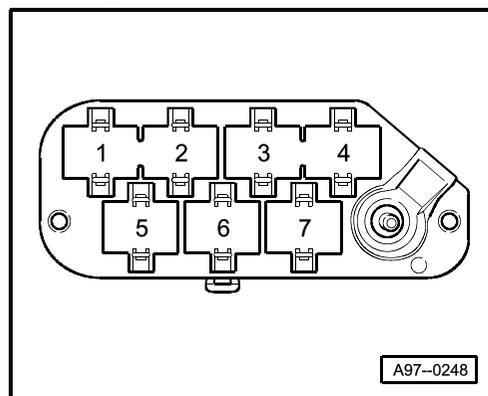
- ◆ Driver side dash panel

Fuse colours

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

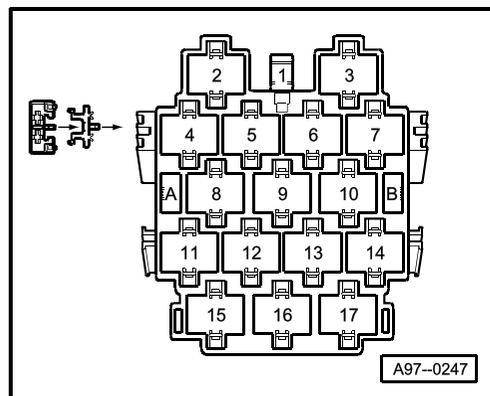
**Note:**

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

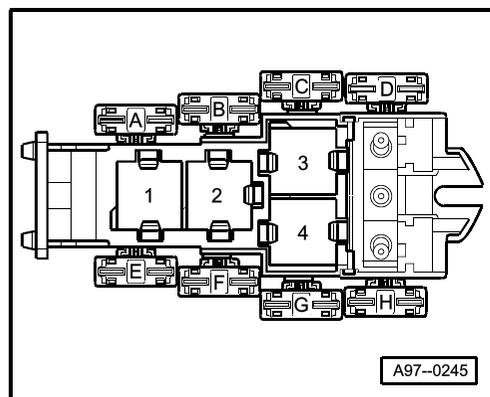
- ◆ In electronics box in plenum chamber
- 3 - 17-pin connector, red (T17d)

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

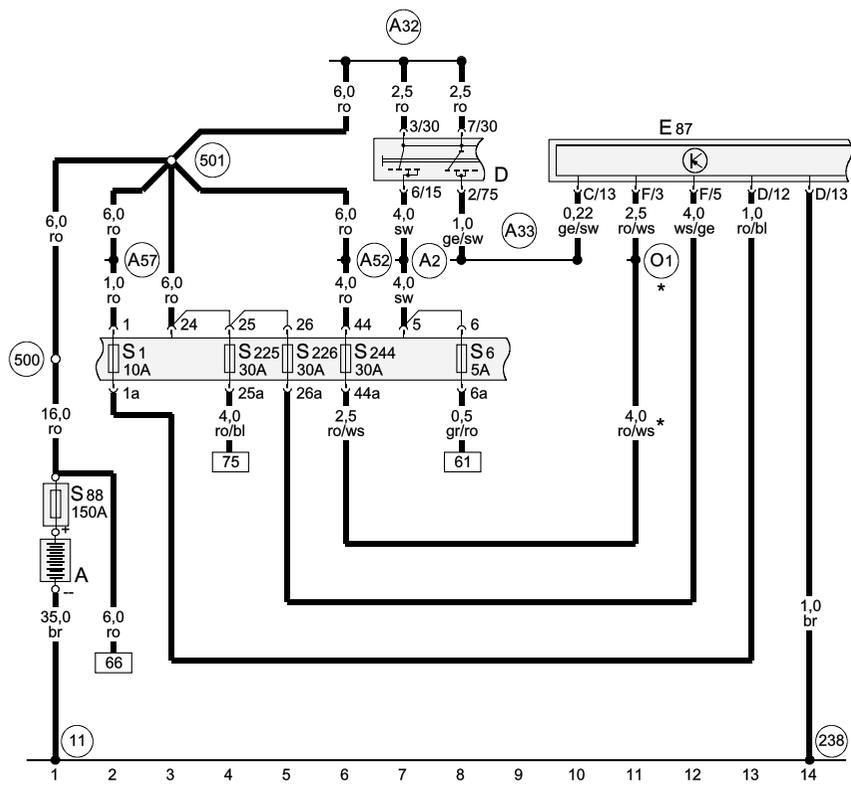


- ◆ Driver side dash panel

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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

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

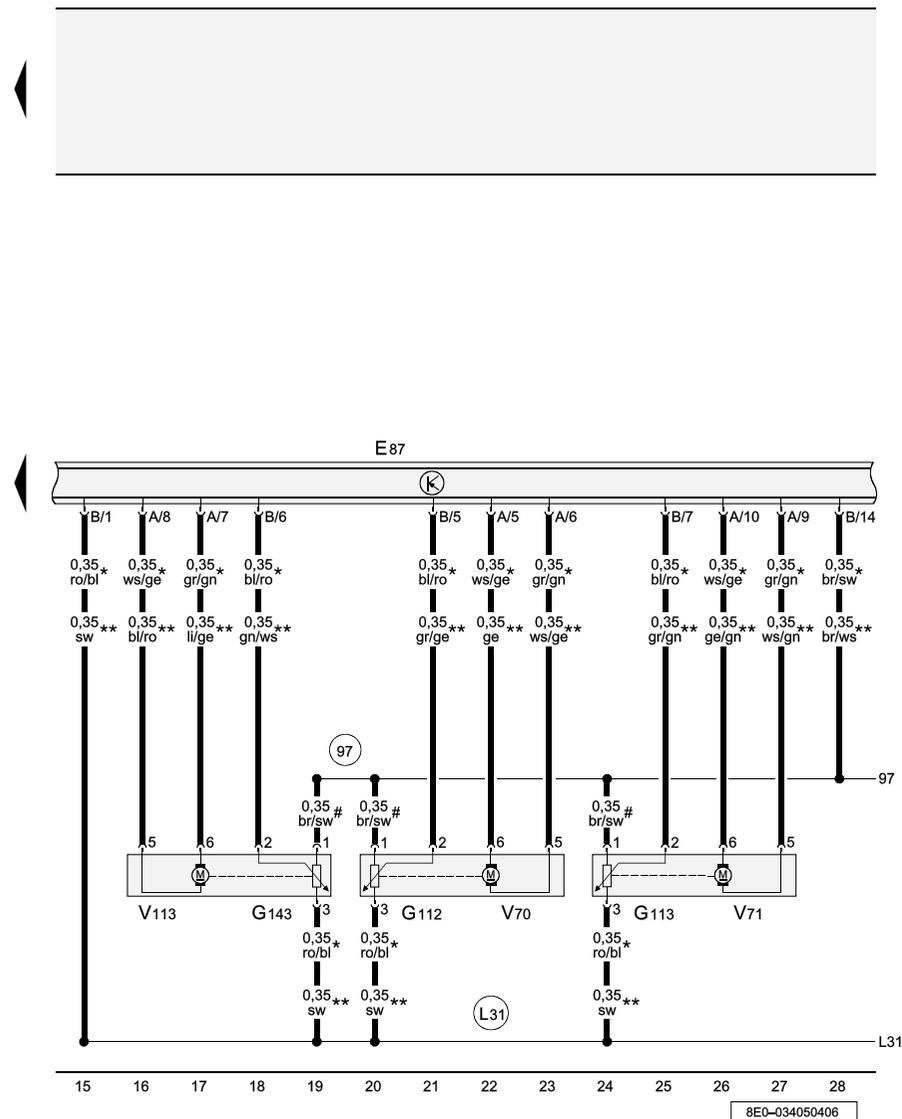
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Current Flow Diagram

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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



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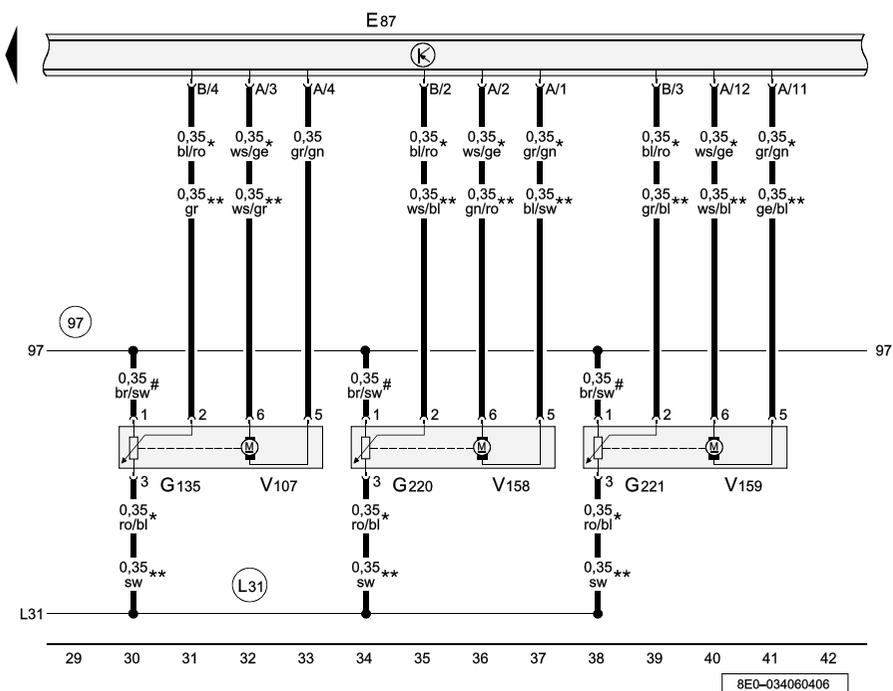
Current Flow Diagram

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

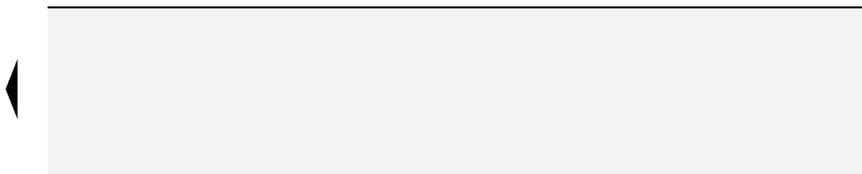
- E87 - Operating and display unit for air conditioning system/Climatronic
- G135 - Defroster flap control motor potentiometer
- G220 - Potentiometer for left temperature flap control motor
- G221 - Potentiometer for right temperature flap control motor
- V107 - Defroster flap control motor
- V158 - 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



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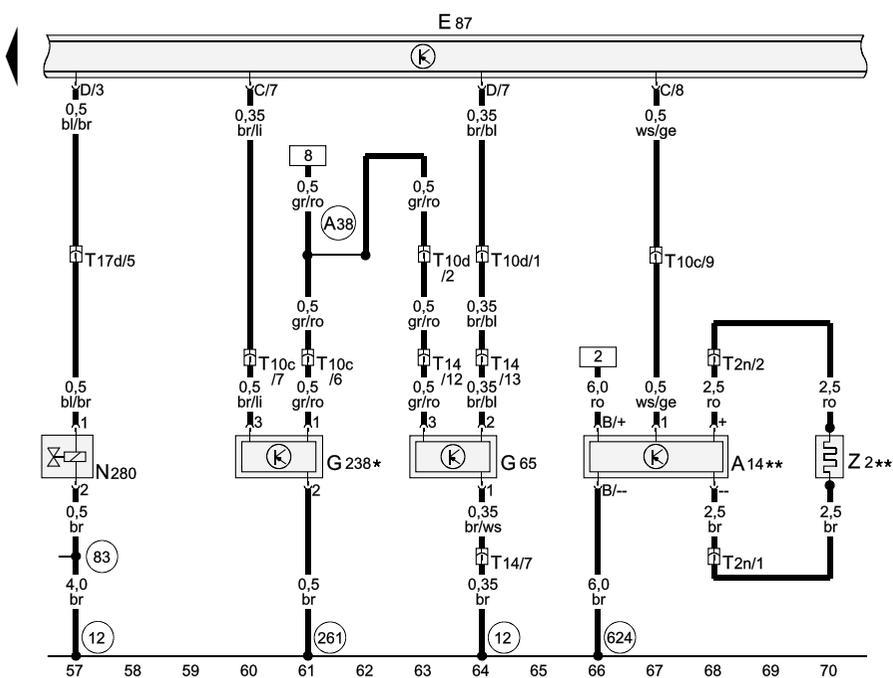
Current Flow Diagram

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Operating and display unit for air conditioning system/Climatronic, compressor regulating valve, high pressure sender, air quality sensor, heated windscreen

- A14 - Windscreen heater voltage transformer
- E87 - Operating and display unit for air conditioning system/Climatronic
- G65 - High pressure sender
- G238 - Air quality sensor
- N280 - Air conditioning system compressor regulating valve
- T2n - 2-pin connector, in near windscreen heater voltage transformer
- T10c - 10-pin connector, violet, coupling station left of A-pillar
- T10d - 10-pin connector, grey, coupling station on left of A-pillar
- T14 - 14-pin connector, black, on left in engine compartment
- T17d - 17-pin connector, red, coupling station on electronics box, plenum chamber
- Z2 - Heated windscreen
 - 12 - Earth point, on left in engine compartment
 - 83 - Earth connection 1, in front right wiring harness
 - 261 - Earth connection, in heated washer jet wiring harness
 - 624 - Earth point, starter battery
- A38 - Positive connection -2- (15a), in dash panel wiring harness
- * - for models with air quality sensor only
- ** - for models with windscreen heater only

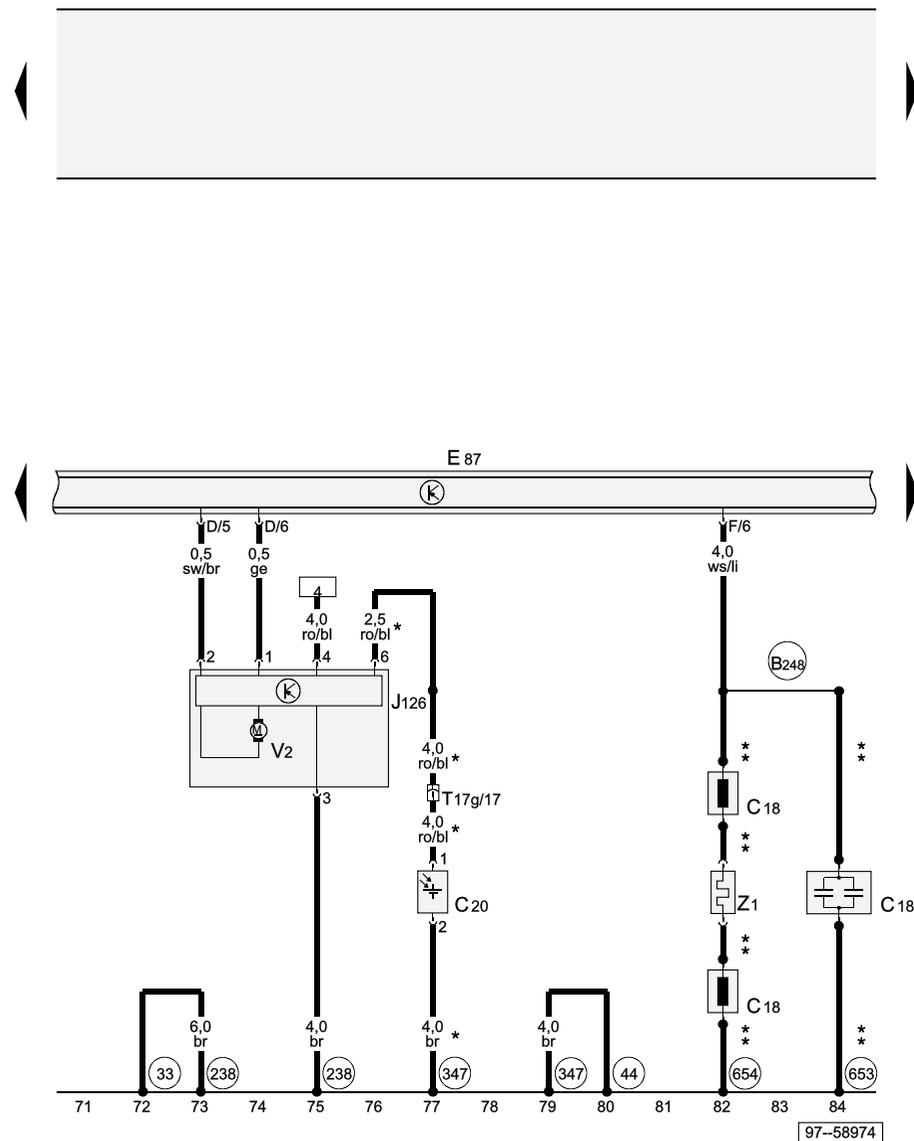


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Current Flow Diagram

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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

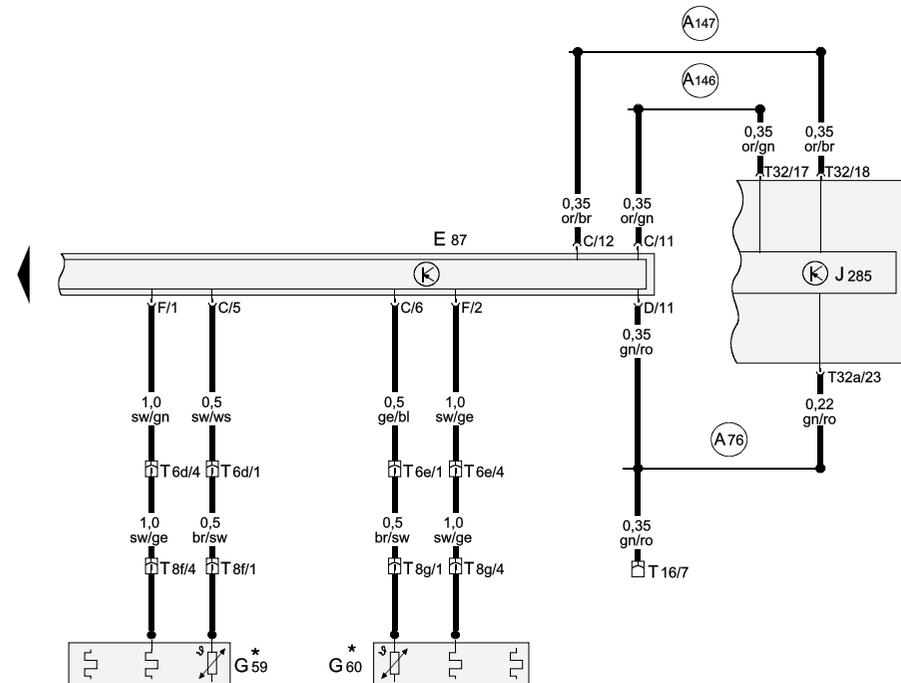
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Current Flow Diagram

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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

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85 86 87 88 89 90 91 92 93 94 95 96 97 98

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