

Audi A4

Current Flow Diagram

No. 111 / 1

Edition 10.2006

CAN bus wiring

from model year 2006

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

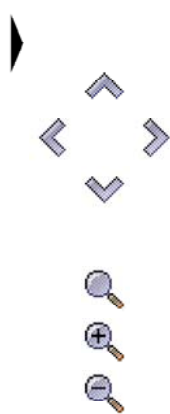
- ⊗ Fault Finding Programs

→ guided fault finding

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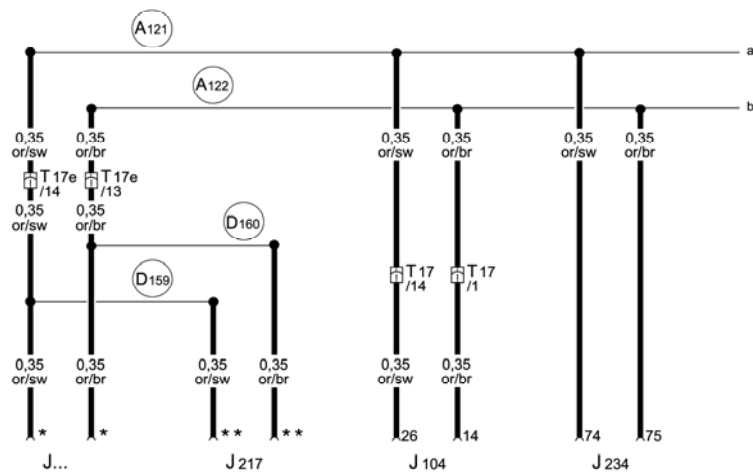
Current Flow Diagram

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Engine control unit, ABS control unit

- J... - Engine control units
- J104 - ABS control unit
- J217 - Automatic gearbox control unit
- J234 - Airbag control unit
- T17 - 17-pin connector, black, coupling station on left of A-pillar
- T17e - 17-pin connector, white, coupling station on electronics box, plenum chamber
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- D159 - Connection (high bus), in engine compartment wiring harness
- D160 - Connection (low bus), in engine compartment wiring harness
- * - => applicable engine Current Flow Diagram
- ** - => applicable Current Flow Diagram: automatic gearbox



ws = white
 sw = black
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1 2 3 4 5 6 7 8 9 10 11 12 13 14

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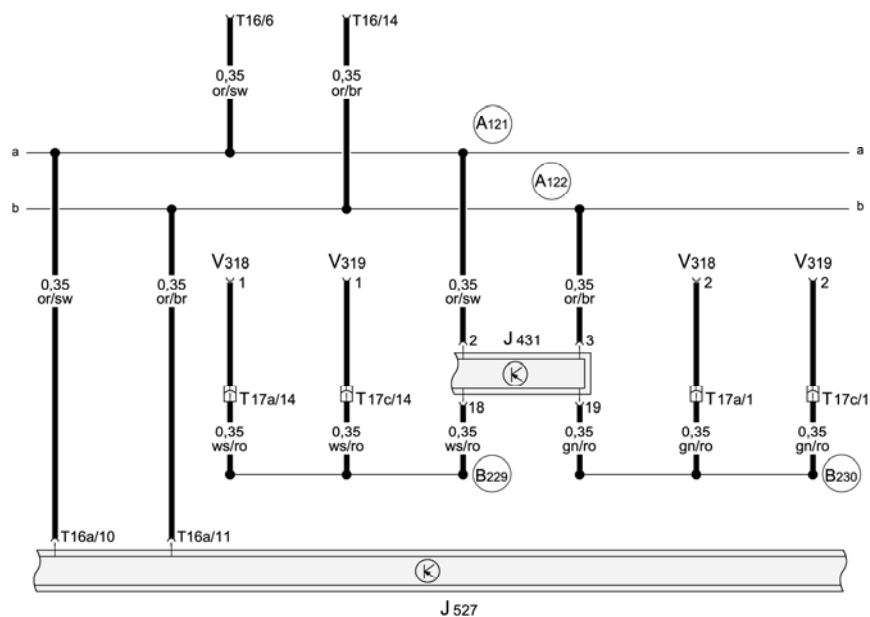
Current Flow Diagram

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Control unit for headlight range control, steering column electronics control unit

- J431 - Headlight range control, control unit
- J527 - Steering column electronics control unit
- T16 - 16-pin connector, black, diagnostic connector
- T16a - 16-pin connector, black, on steering column electronics control unit
- T17a - 17-pin connector, red, coupling station on left of A-pillar
- T17c - 17-pin connector, red, coupling station on right of A-pillar
- V318 - Left dynamic cornering light control motor
- V319 - Right dynamic cornering light control motor
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), in dash panel wiring harness
- B229 - Connection (high bus), in interior wiring harness
- B230 - Connection (low bus), in interior wiring harness

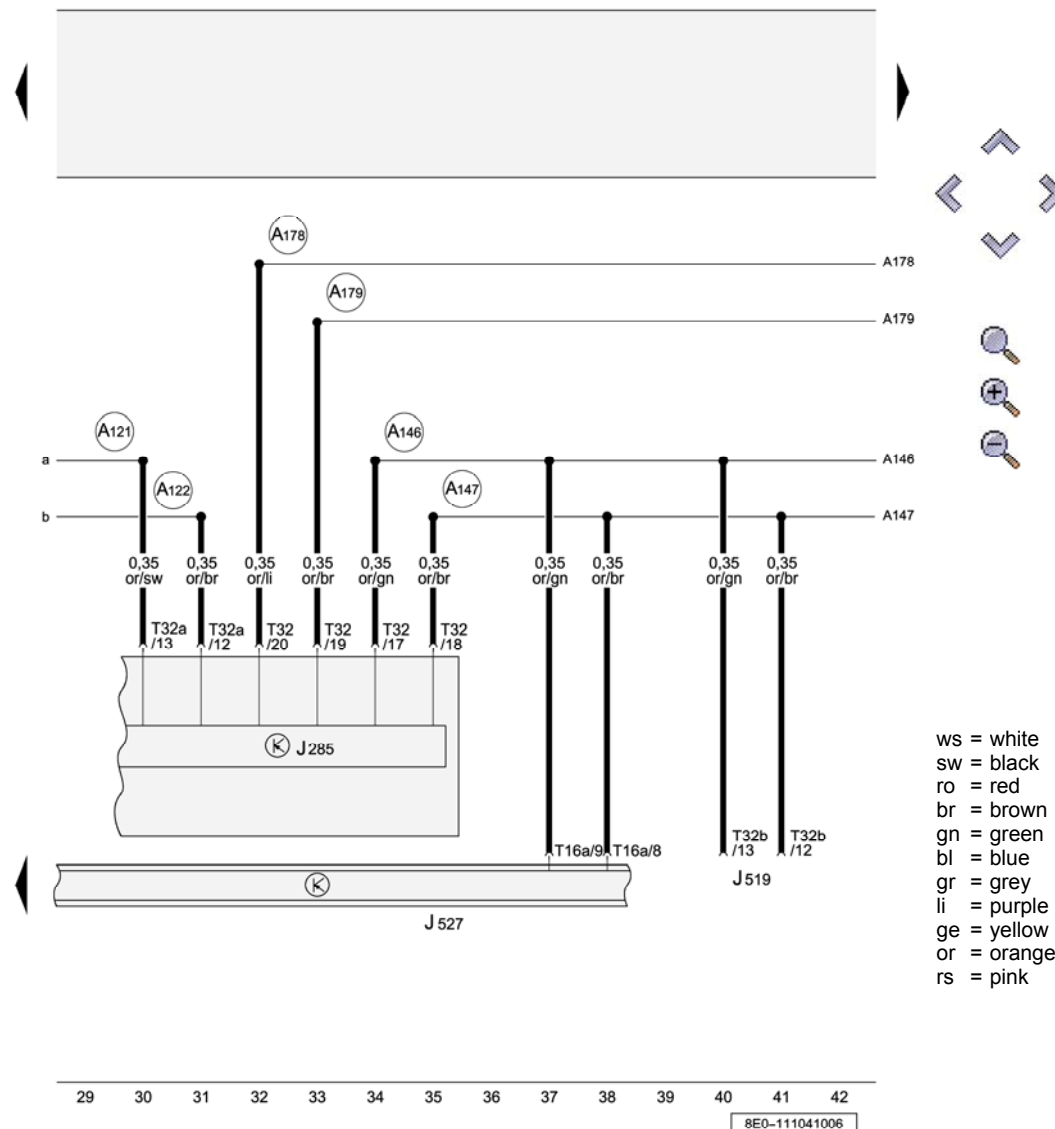


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Current Flow Diagram

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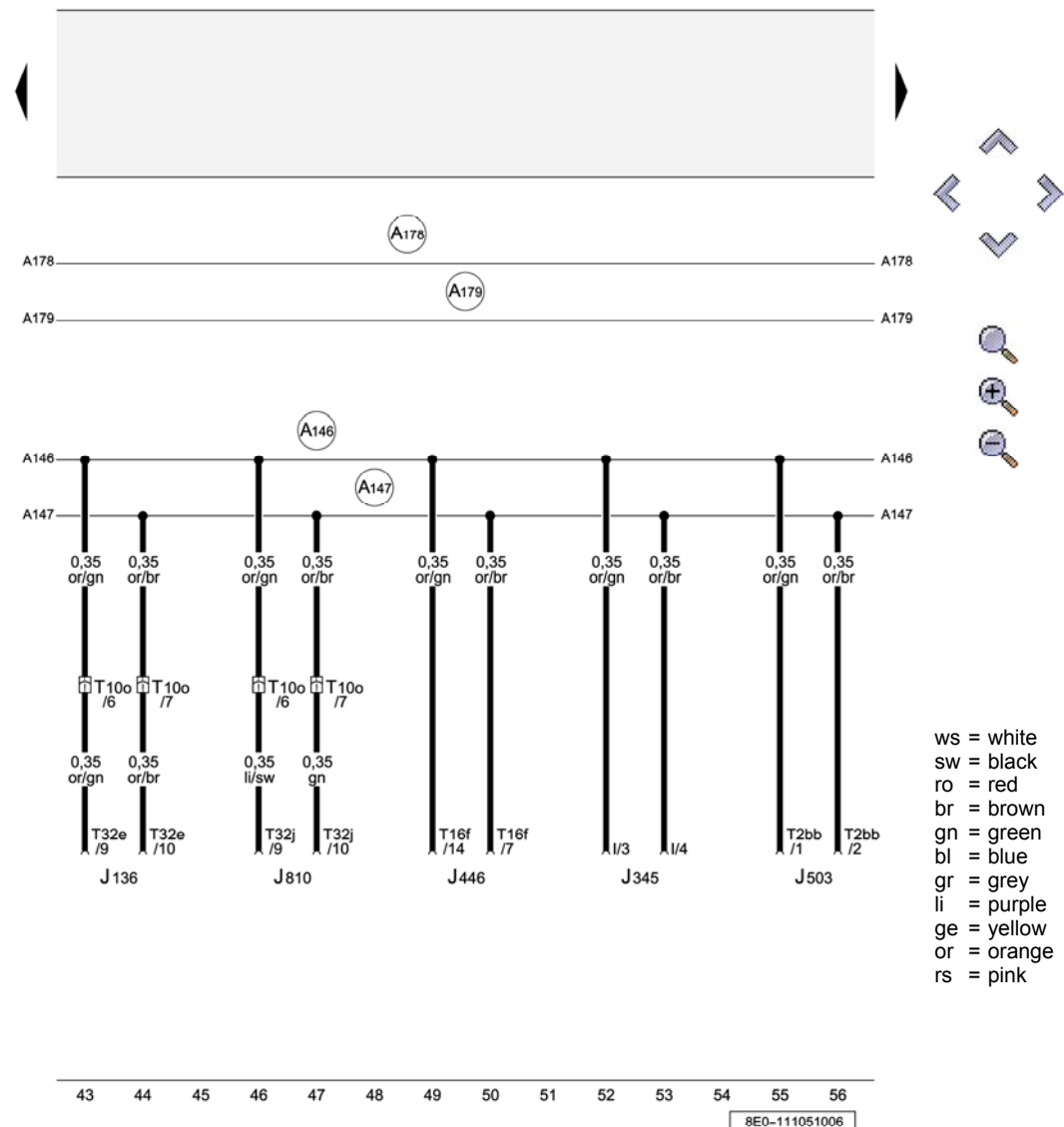
Control unit in dash panel insert, onboard supply control unit, steering column electronics control unit

- J285 - Control unit in dash panel insert 📷
- J519 - Onboard supply control unit 📷
- J527 - Steering column electronics control unit 📷
- T16a - 16-pin connector, black, on steering column electronics control unit
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- T32b - 32-pin connector, grey, on onboard supply control unit
- A121 - Connection (high bus), in dash panel wiring harness
- A122 - Connection (low bus), 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
- A178 - Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 - Connection (infotainment CAN bus, low), in dash panel wiring harness

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Current Flow Diagram

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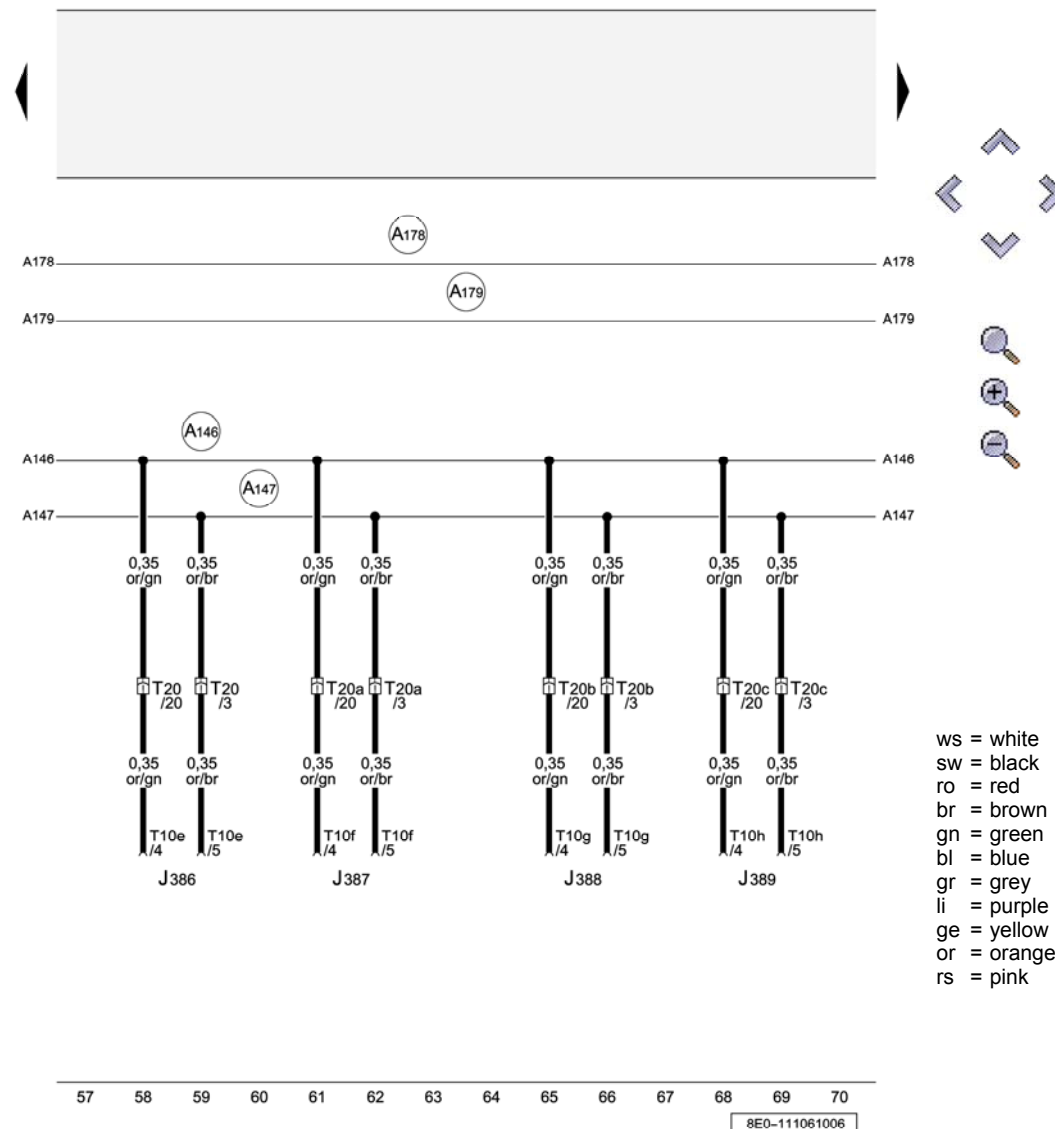
Seat and steering column adjustment control unit with memory, trailer detector, Parking aid, radio and navigation system

- J136 - Seat and steering column adjustment control unit with memory function
- J345 - Trailer detector control unit
- J446 - Parking aid control unit
- J503 - Control unit with display for radio and navigation system
- J810 - Driver seat position control unit
- T2bb - 2-pin connector, black, connector D
- T10o - 10-pin connector, red, coupling station seat wiring, driver seat
- T16f - 16-pin connector, brown, on parking aid control unit
- T32e - 32-pin connector
- T32j - 32-pin connector, blue
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- A178 - Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 - Connection (infotainment CAN bus, low), in dash panel wiring harness

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Door control units

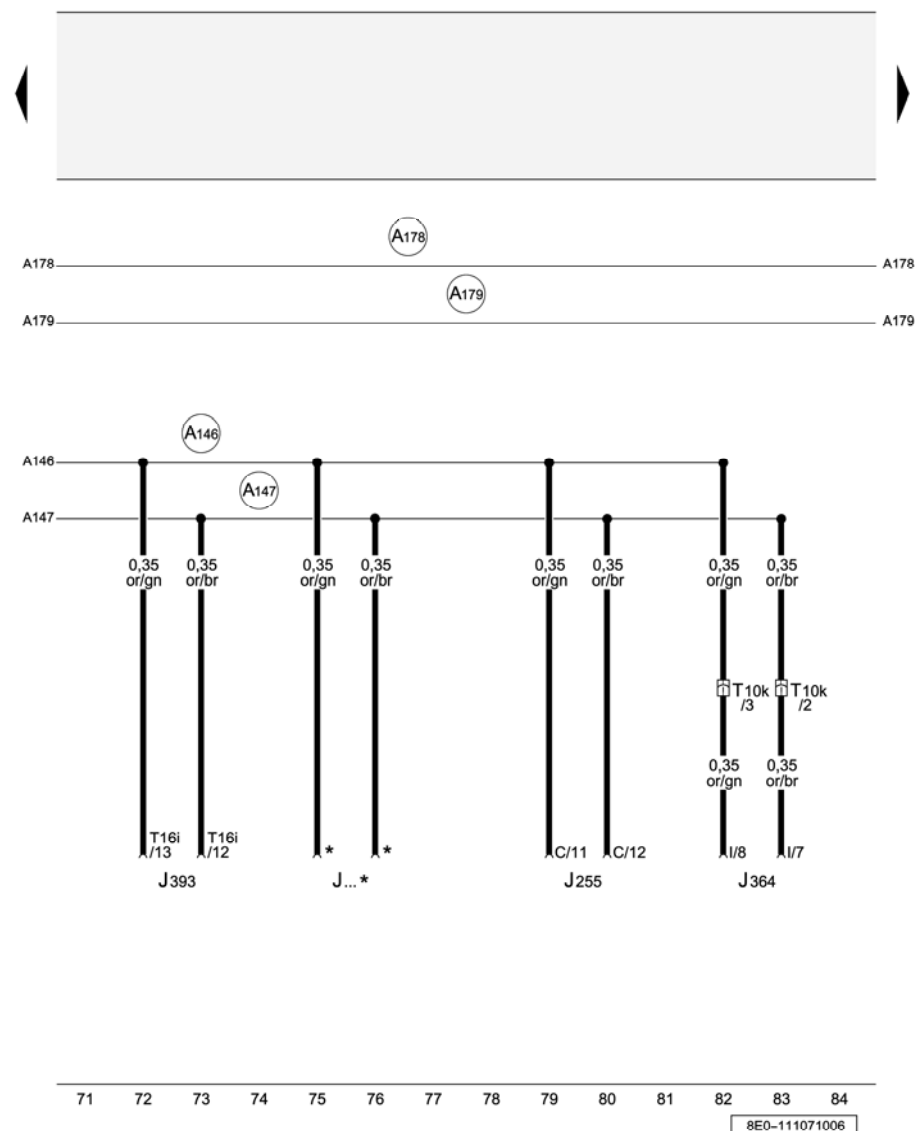
- J386 - Driver door control unit
- J387 - Front passenger door control unit
- J388 - Rear left door control unit
- J389 - Rear right door control unit
- T10e - 10-pin connector, black
- T10f - 10-pin connector, black
- T10g - 10-pin connector, black
- T10h - 10-pin connector, black
- T20 - 20-pin connector, black, door A-pillar left
- T20a - 20-pin connector, black, door A-pillar right
- T20b - 20-pin connector, black, door B-pillar left
- T20c - 20-pin connector, black, door B-pillar right
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- A178 - Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 - Connection (infotainment CAN bus, low), in dash panel wiring harness

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Current Flow Diagram

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Climatronic control unit, auxiliary heater control unit, Convenience system central control unit

- J... - Engine control units
- J255 - Climatronic control unit
- J364 - Auxiliary heater control unit
- J393 - Convenience system central control unit 
- T10k - 10-pin connector, white, coupling station on left of A-pillar
- T16i - 16-pin connector, brown, on convenience system central control unit
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- A178 - Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 - Connection (infotainment CAN bus, low), in dash panel wiring harness
- * - => applicable engine Current Flow Diagram

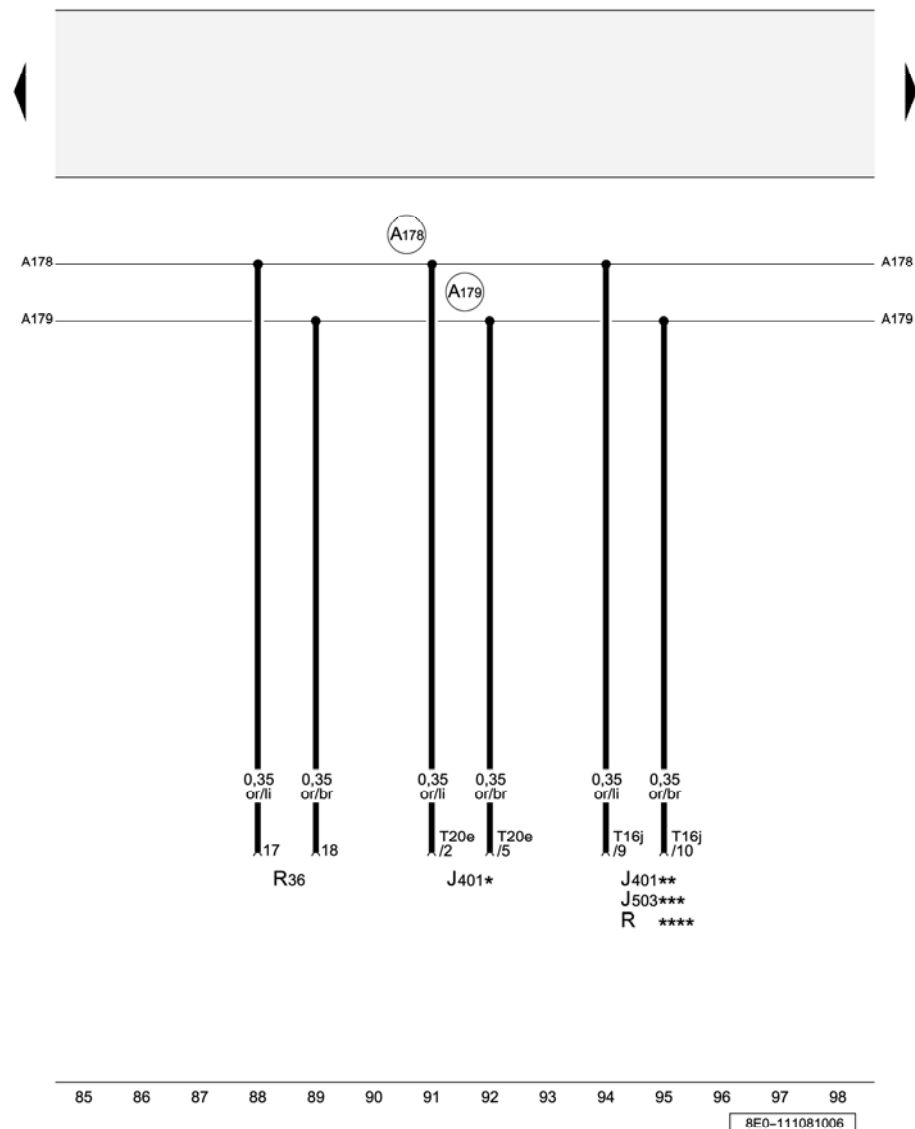


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Current Flow Diagram

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Radio, navigation system, telephone

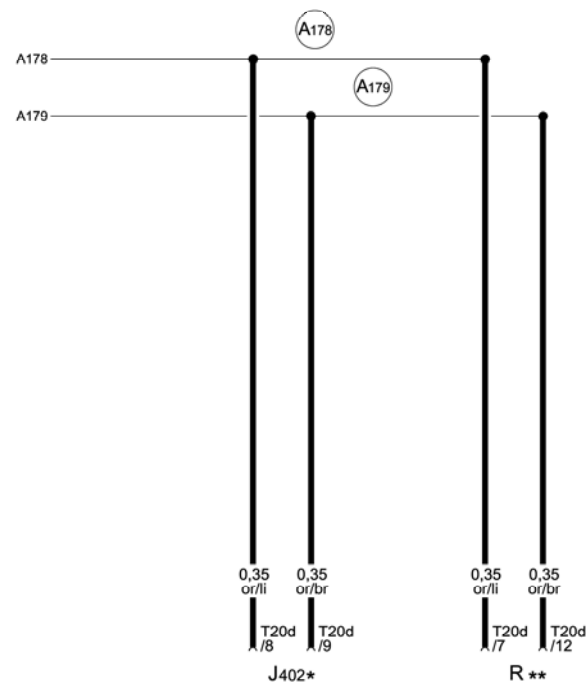
- J401 - Navigation system with CD drive control unit
- J503 - Control unit with display for radio and navigation system
- R - Radio
- R36 - Telephone transmitter and receiver unit
- T16j - 16-pin connector, black, connector D
- T20e - 20-pin connector, black
- A178 - Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 - Connection (infotainment CAN bus, low), in dash panel wiring harness
- * - for models with navigation system NS-LOW only
- ** - for models with navigation system RNS-E only
- *** - for models with radio navigation system RNS-low only
- **** - only for models with radio, applicable from November 2006

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Radio and navigation system (models for Japan)

- J402 - Navigation operating electronics control unit
- R - Radio
- T20d - 20-pin connector, black, radio connector I
- A178 - Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 - Connection (infotainment CAN bus, low), in dash panel wiring harness
- * - for models with radio navigation system (Japan) only
- ** - only for models with radio, applicable up to October 2006