

Audi A6

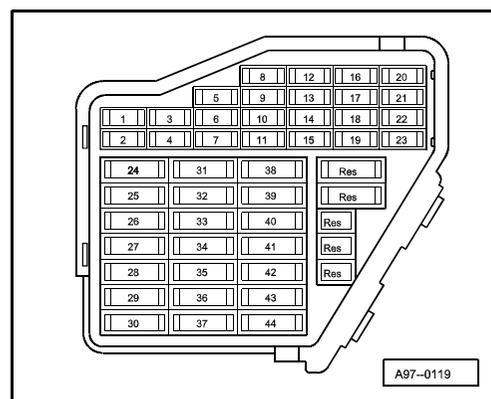
Current Flow Diagram

No. 45 / 1

Edition 05.2005

Radio and navigation system (RNS-E)

from model year 2004

Fuse holder

Fuse colours

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

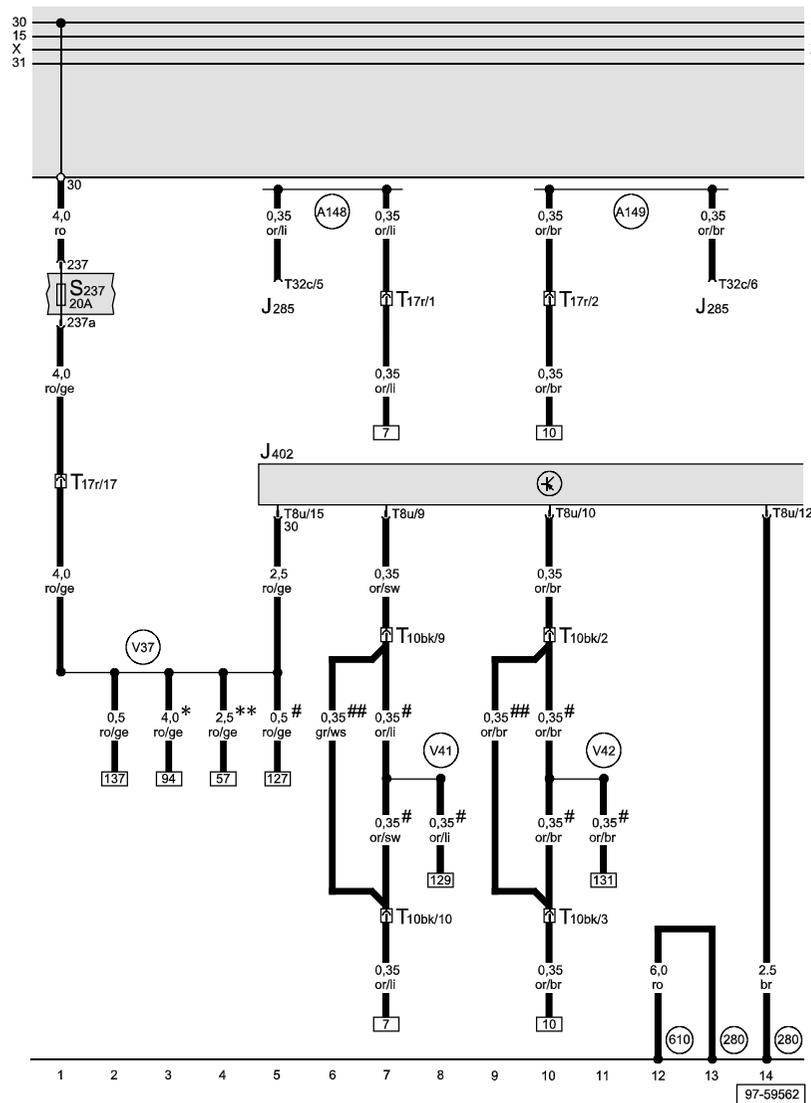
**Note:**

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

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Current Flow Diagram

No. 45 / 2



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

Navigation operating electronics control unit, fuse

- J285 - Control unit with display in dash panel insert
- J402 - Navigation operating electronics control unit
- S237 - Fuse in fuse holder
- T8u - 8-pin connector, black, connector D, on navigation operating electronics control unit
- T10bk - 10-pin connector, purple, on left in luggage compartment
- T17r - 17-pin connector, white, behind centre dash panel
- T32c - 32-pin connector, grey, on dash panel insert
- 280 - Earth connection, in communications wiring harness
- 610 - Earth point (audio), under centre console, front
- A148 - Connection (navigation CAN bus, high), in dash panel wiring harness
- A149 - Connection (navigation CAN bus, low), in dash panel wiring harness
- V37 - Positive connection (30), in communication wiring harness
- V41 - Connection (high bus), in communication wiring harness
- V42 - Connection (low bus), in communication wiring harness
- * - models with radio Bose system
- ** - models with active loudspeaker
- # - models with TV tuner
- ## - models without TV tuner

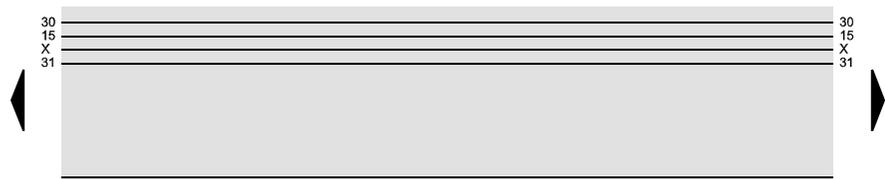


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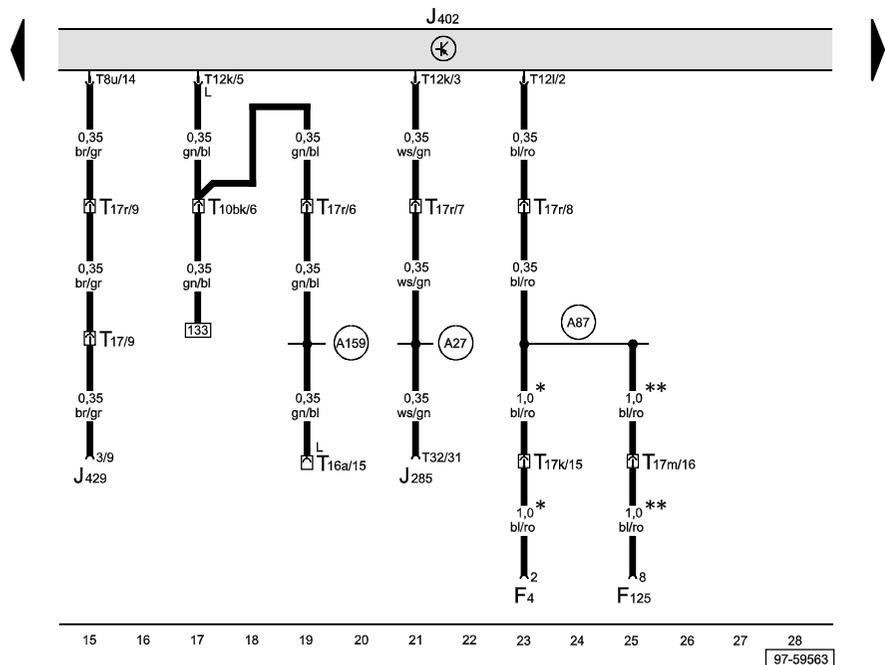
Current Flow Diagram

No. 45 / 3



Navigation operating electronics control unit, diagnosis

- F4 - Reversing light switch
- F125 - Multifunction switch
- J285 - Control unit with display in dash panel insert
- J402 - Navigation operating electronics control unit
- J429 - Central locking control unit
- T8u - 8-pin connector, black, connector D, on navigation operating electronics control unit
- T10bk - 10-pin connector, purple, on left in luggage compartment
- T12k - 12-pin connector, blue, connector B, on navigation operating electronics control unit
- T12l - 12-pin connector, green, connector C, on navigation operating electronics control unit
- T16a - 16-pin connector, diagnostic connector
- T17 - 17-pin connector, orange, coupling station on right of A-pillar
- T17k - 17-pin connector, red, coupling station on electronics box, plenum chamber
- T17m - 17-pin connector, blue, coupling station on right of A-pillar
- T17r - 17-pin connector, white, behind centre dash panel
- T32 - 32-pin connector, blue, on dash panel insert
- A27 - Connection (speed signal), in dash panel wiring harness
- A87 - Connection (RL), in dash panel wiring harness
- A159 - Connection (L), in dash panel wiring harness
- * - models with manual gearbox
- ** - models with automatic gearbox

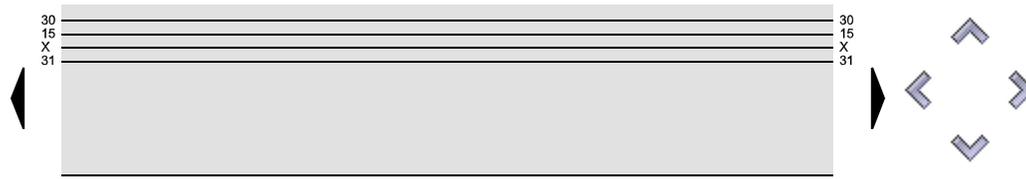


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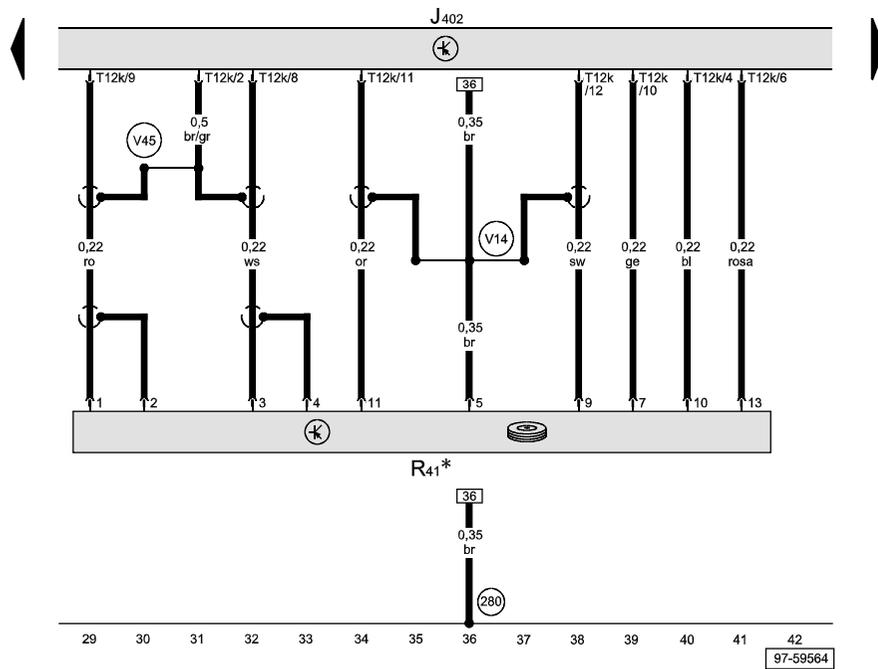
Current Flow Diagram

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Navigation operating electronics control unit, CD changer

- J402 - Navigation operating electronics control unit
- R41 - CD changer
- T12k - 12-pin connector, blue, connector B, on navigation operating electronics control unit
- 280 - Earth connection, in communications wiring harness
- V14 - Connection (screening), in CD changer wiring harness
- V45 - Connection 2 (screening), in CD changer wiring harness
- * - models with CD changer



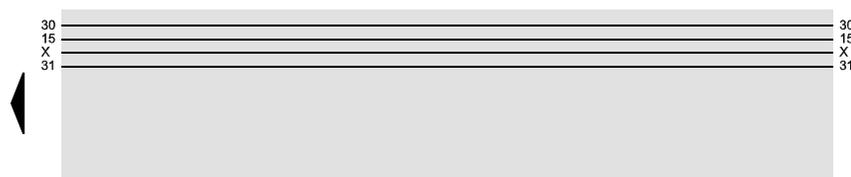
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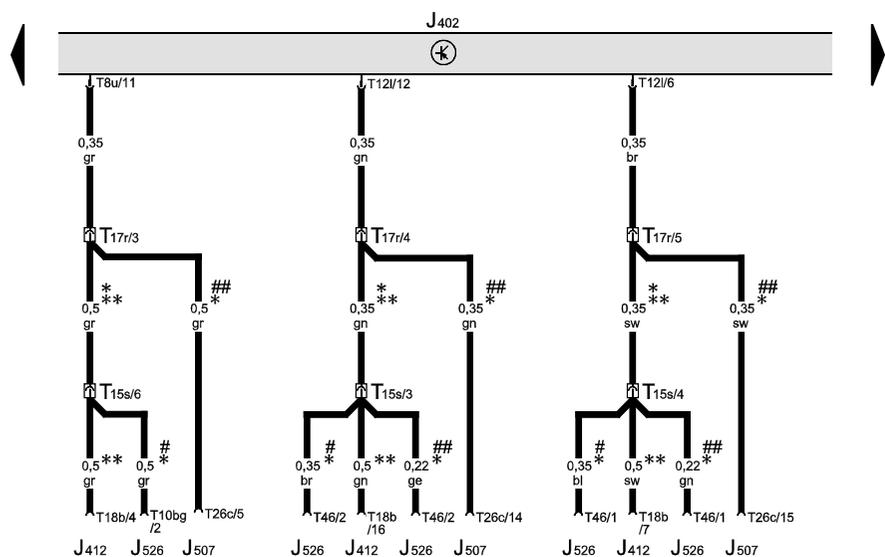
Current Flow Diagram

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Navigation operating electronics control unit

- J402 - Navigation operating electronics control unit
- J412 - Mobile telephone operating electronics control unit
- J507 - Language input control unit
- J526 - Telephone control unit
- T8u - 8-pin connector, black, connector D, on navigation operating electronics control unit
- T10bg - 10-pin connector, connector 2, on telematics control unit
- T12l - 12-pin connector, green, connector C, on navigation operating electronics control unit
- T15s - 15-pin connector, blue, coupling station on left of A-pillar
- T17r - 17-pin connector, white, behind centre dash panel
- T18b - 18-pin connector, on telephone operating electronics control unit
- T26c - 26-pin connector, green, on language input control unit
- T46 - 46-pin connector, connector 1, on telephone control unit
- * - models with microphone
- ** - models with preparation for mobile telephone
- # - without voice control
- ## - with voice control

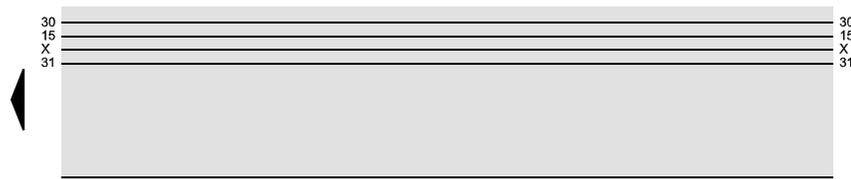


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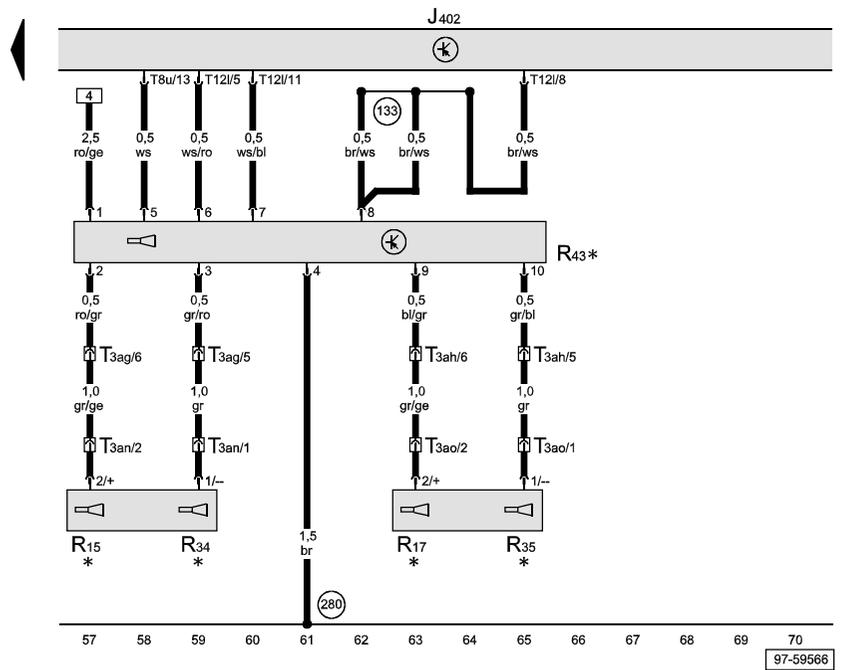
Current Flow Diagram

No. 45 / 6



Navigation operating electronics control unit, rear left and right bass loudspeaker, rear left and right bass loudspeaker, amplifier with bass loudspeaker, on right in luggage compartment

- J402 - Navigation operating electronics control unit
- R15 - Rear left bass loudspeaker
- R17 - Rear right bass loudspeaker
- R34 - Rear left mid-range and treble loudspeaker
- R35 - Rear right mid-range and treble loudspeaker
- R43 - Amplifier with bass loudspeaker, on right in luggage compartment
- T3ag - 3-pin connector, blue, on left B-pillar
- T3ah - 3-pin connector, blue, on right B-pillar
- T3an - 3-pin connector, black, in rear left door
- T3ao - 3-pin connector, black, in rear right door
- T8u - 8-pin connector, black, connector D, on navigation operating electronics control unit
- T12l - 12-pin connector, green, connector C, on navigation operating electronics control unit
- 133 - Earth connection, in loudspeaker wiring harness
- 280 - Earth connection, in communications wiring harness
- * - models with active loudspeaker



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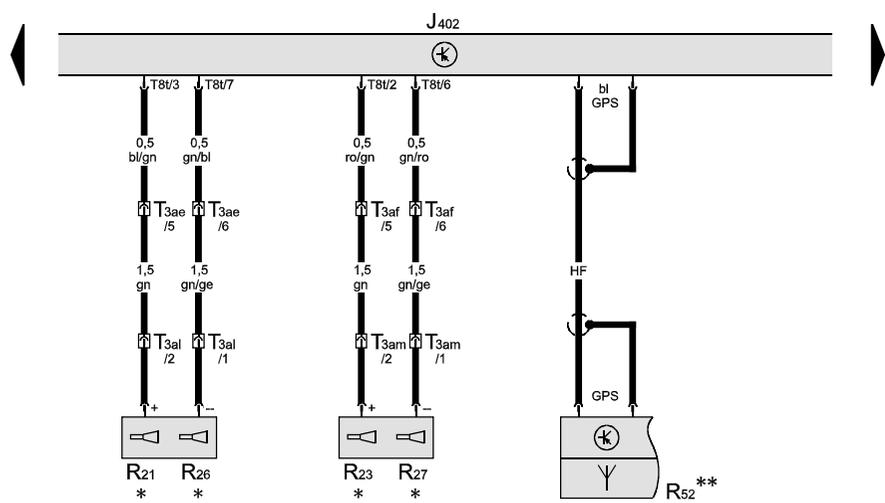
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Current Flow Diagram

No. 45 / 7

Navigation operating electronics control unit, front left and right bass loudspeaker, front left and right bass loudspeaker, radio, telephone and navigation system aerial

- J402 - Navigation operating electronics control unit
- R21 - Front left bass loudspeaker
- R23 - Front right bass loudspeaker
- R26 - Front left mid-range and treble loudspeaker
- R27 - Front right mid-range and treble loudspeaker
- R52 - Radio, telephone and navigation system aerial
- T3ae - 3-pin connector, brown, coupling station on left of A-pillar
- T3af - 3-pin connector, brown, coupling station on right of A-pillar
- T3al - 3-pin connector, black, in driver door
- T3am - 3-pin connector, black, in front passenger door
- T8t - 8-pin connector, brown, connector A, on navigation operating electronics control unit
- * - models with active loudspeaker
- ** - roof aerial

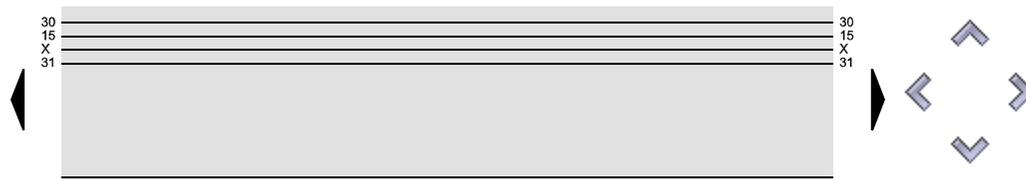


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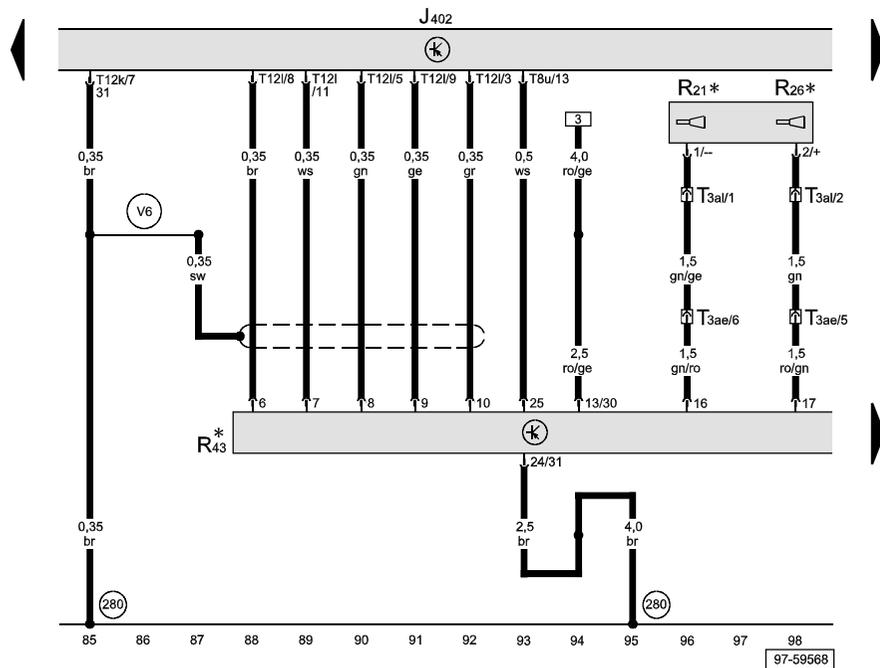
Current Flow Diagram

No. 45 / 8



Navigation operating electronics control unit, amplifier with bass loudspeaker, on right in luggage compartment, front left bass loudspeaker, front left mid-range and treble loudspeaker

- J402 - Navigation operating electronics control unit
- R21 - Front left bass loudspeaker
- R26 - Front left mid-range and treble loudspeaker
- R43 - Amplifier with bass loudspeaker, on right in luggage compartment
- T3ae - 3-pin connector, brown, coupling station on left of A-pillar
- T3al - 3-pin connector, black, in driver door
- T8u - 8-pin connector, black, connector D, on navigation operating electronics control unit
- T12k - 12-pin connector, blue, connector B, on navigation operating electronics control unit
- T12l - 12-pin connector, green, connector C, on navigation operating electronics control unit
- 280 - Earth connection, in communications wiring harness
- V6 - Connection (screening), in loudspeaker wiring harness
- * - models with radio Bose system

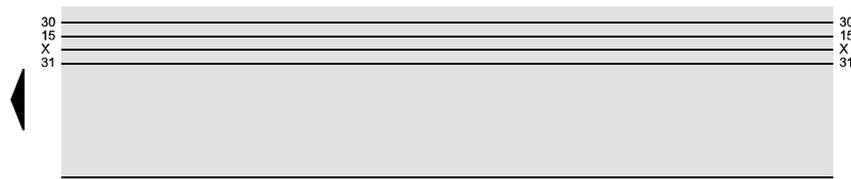


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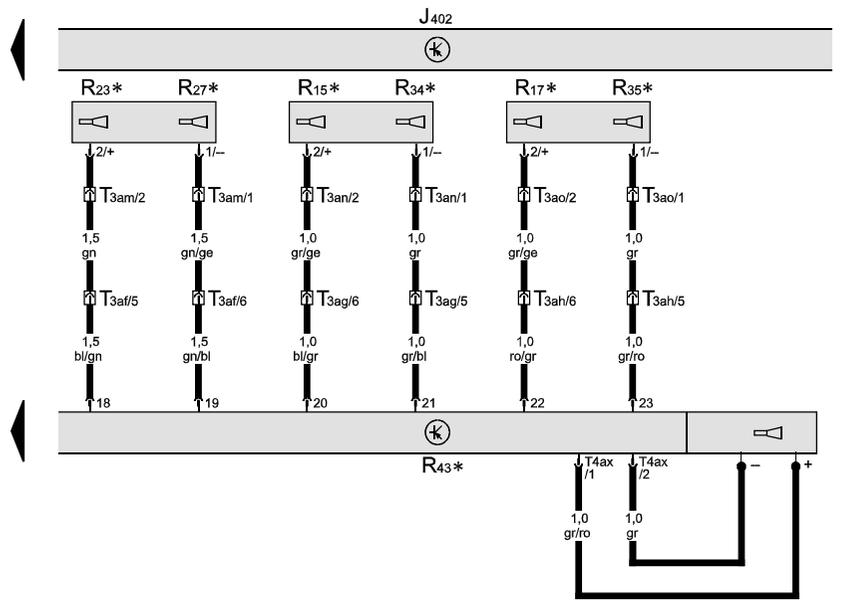
Current Flow Diagram

No. 45 / 9



Navigation operating electronics control unit, amplifier with bass loudspeaker, on right in luggage compartment, loudspeaker

- J402 - Navigation operating electronics control unit
- R15 - Rear left bass loudspeaker
- R17 - Rear right bass loudspeaker
- R23 - Front right bass loudspeaker
- R27 - Front right mid-range and treble loudspeaker
- R34 - Rear left mid-range and treble loudspeaker
- R35 - Rear right mid-range and treble loudspeaker
- R43 - Amplifier with bass loudspeaker, on right in luggage compartment
- T3af - 3-pin connector, brown, coupling station on right of A-pillar
- T3ag - 3-pin connector, blue, on left B-pillar
- T3ah - 3-pin connector, blue, on right B-pillar
- T3am - 3-pin connector, black, in front passenger door
- T3an - 3-pin connector, black, in rear left door
- T3ao - 3-pin connector, black, in rear right door
- T4ax - 4-pin connector, on Bose power amplifier
- * - models with radio Bose system

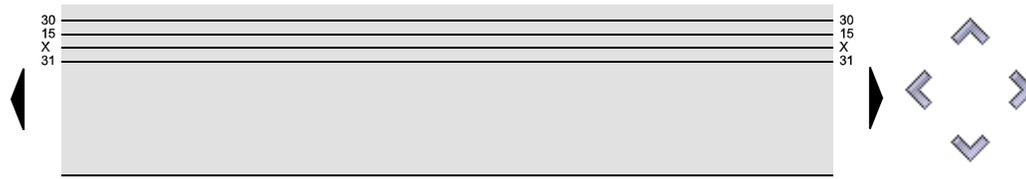


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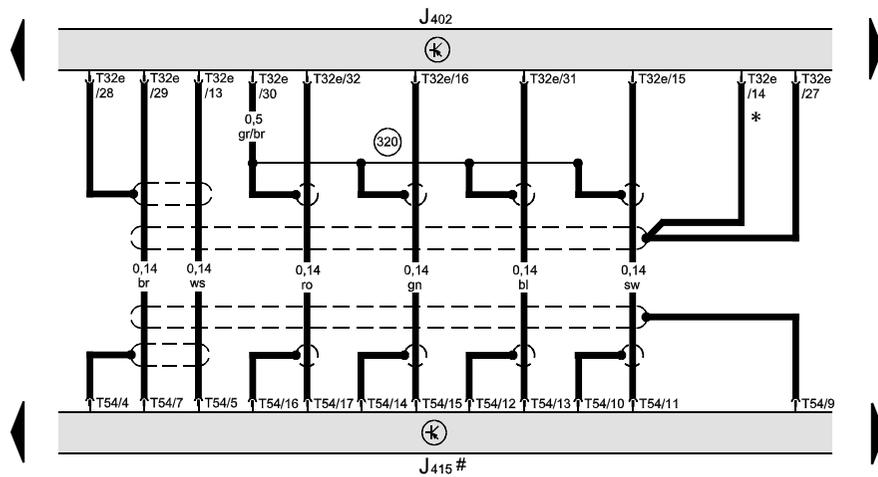
Current Flow Diagram

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Navigation operating electronics control unit, navigation system tuner for TV

- J402 - Navigation operating electronics control unit
- J415 - Navigation system tuner for TV
- T32e - 32-pin connector, grey, on navigation operating electronics control unit
- T54 - 54-pin connector, black, on TV tuner
- 320 - Earth connection (screening 1, TV), in communication wiring harness
- * - phased-in modification
- # - models with TV tuner



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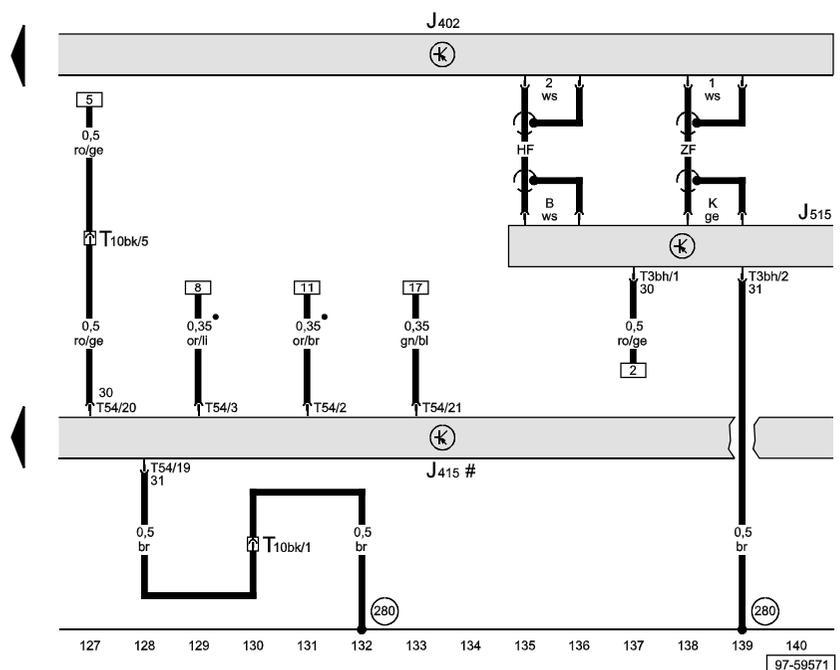
Current Flow Diagram

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Navigation operating electronics control unit, navigation system tuner for TV, aerial selection control unit

- J402 - Navigation operating electronics control unit
- J415 - Navigation system tuner for TV
- J515 - Aerial selection control unit
- T3bh - 3-pin connector, black, on aerial selection control unit
- T10bk - 10-pin connector, purple, on left in luggage compartment
- T54 - 54-pin connector, black, on TV tuner
- 280 - Earth connection, in communications wiring harness
- - CAN bus (data wire)
- # - models with TV tuner



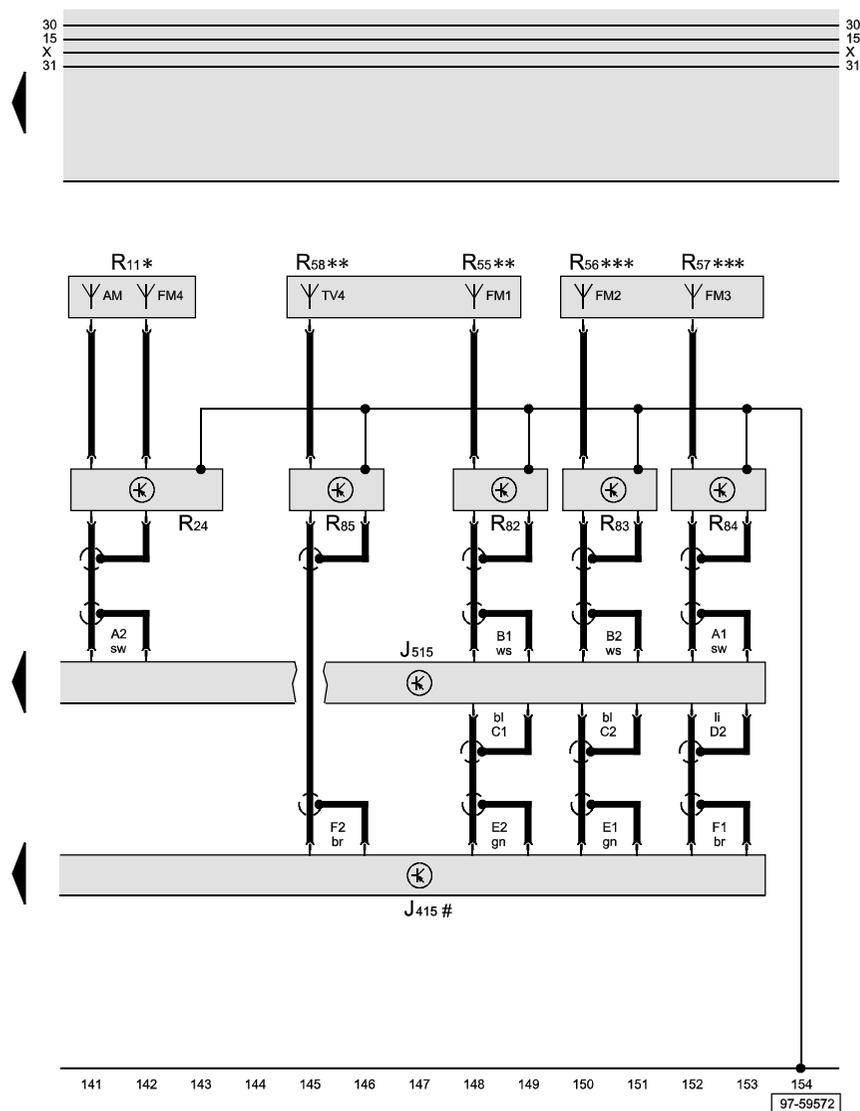
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- gr = grey
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Current Flow Diagram

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Navigation system tuner for TV, aerial selection control unit, aerial amplifier, aerials

- J415 - Navigation system tuner for TV
- J515 - Aerial selection control unit
- R11 - Aerial
- R24 - Aerial amplifier
- R55 - TV aerial 1
- R56 - TV aerial 2
- R57 - TV aerial 3
- R58 - TV aerial 4
- R82 - Amplifier for TV aerial 1
- R83 - Amplifier for TV aerial 2
- R84 - Amplifier for TV aerial 3
- R85 - Amplifier for TV aerial 4
- * - roof aerial
- ** - Window aerial rear right
- *** - Window aerial rear left
- # - models with TV tuner

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