

## Audi A6

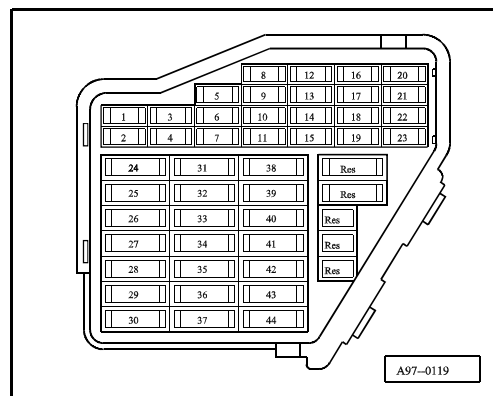
## Current Flow Diagram

No. 110 / 1

Edition 04.2003

**Radio navigation system (RNS-D)**

From model year 2001

**Fuse box****Fuse colours**

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

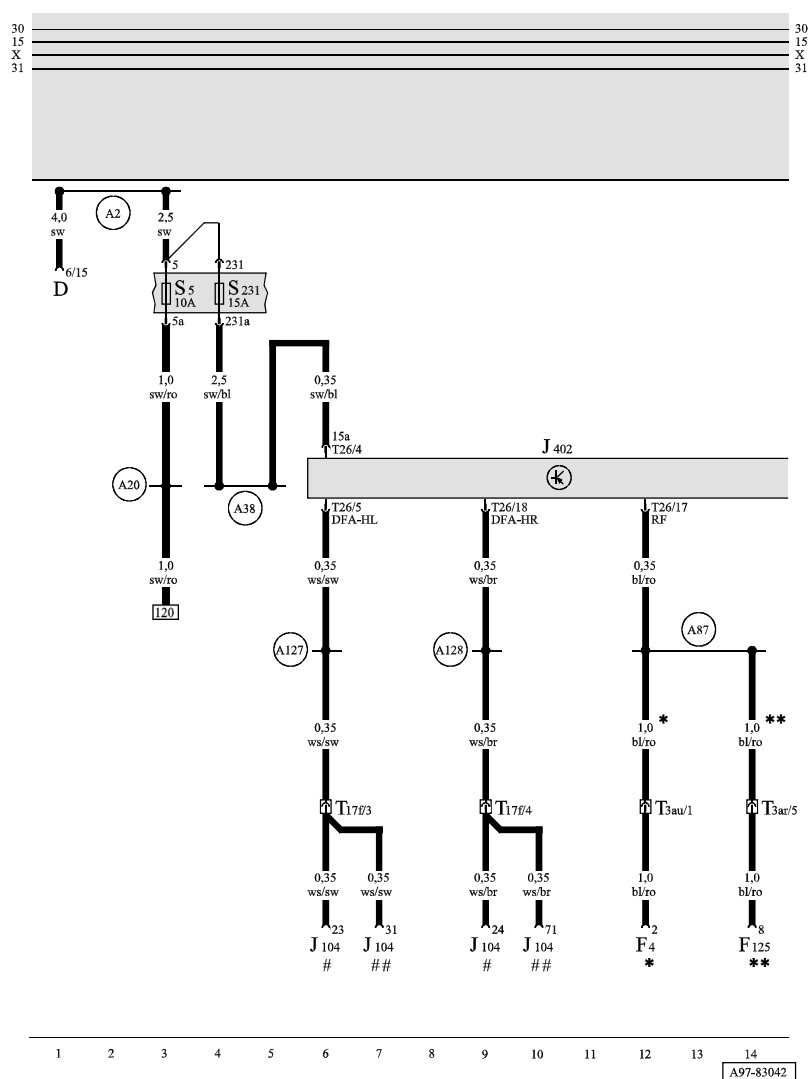
**Note:**

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

## Audi A6

## Current Flow Diagram

No. 110 / 2



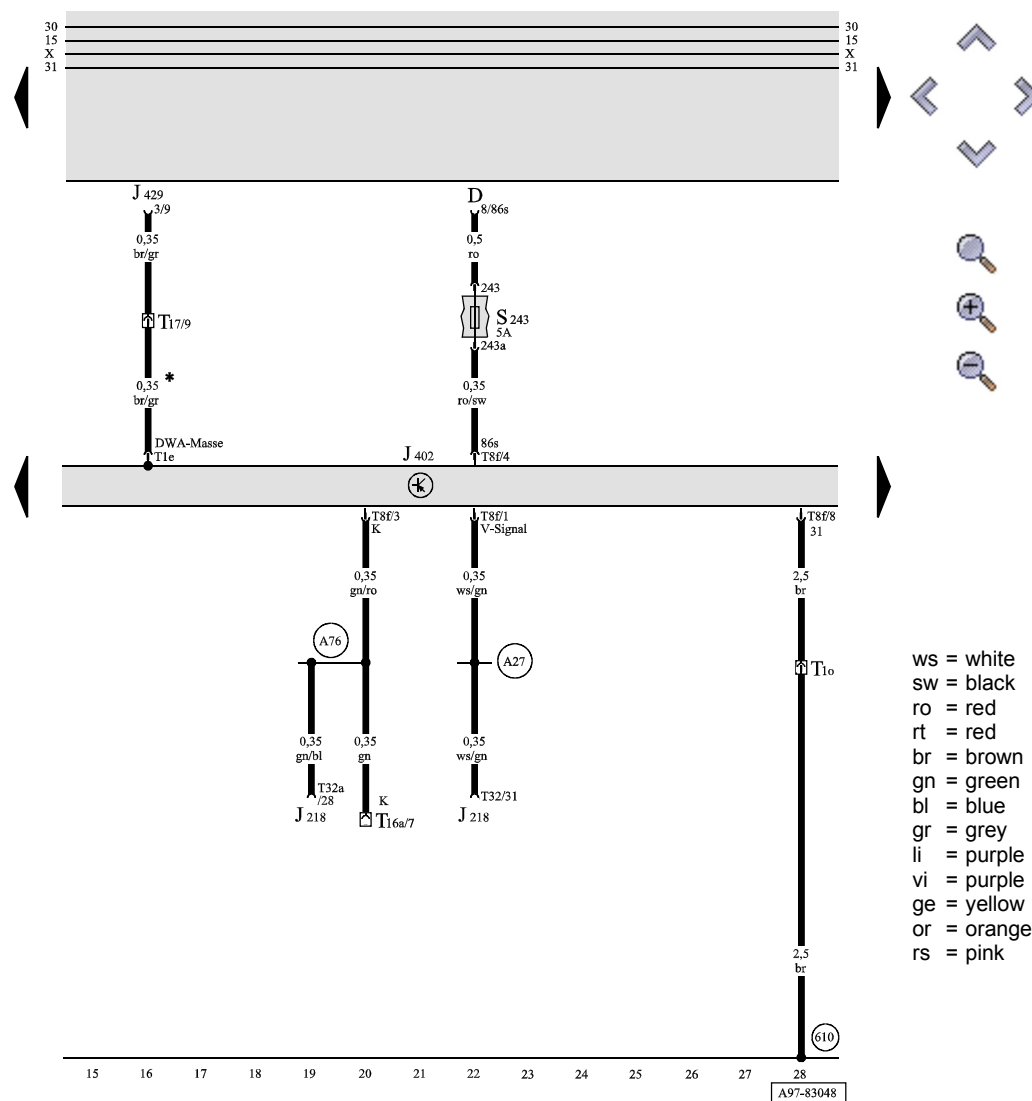
## Navigation operating electronics control unit

- D - Ignition/starter switch
- F4 - Reversing light switch
- F125 - Multi-function switch
- J104 - ABS with EDL control unit
- J402 - Operating electronics control unit, navigation
- S5 - Fuse in fuse box
- S231 - Fuse 31 in fuse box
- T3ar - 3-pin connector, blue, connector point, A pillar, right
- T3au - 3-pin connector, red, connector point, electronics box, plenum chamber
- T17f - 17-pin connector, black, in 8-point relay carrier, behind driver's storage compartment
- T26 - 26-pin connector, on operating electronics control unit, navigation
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A20 - Connection (15a), in dash panel wiring harness
- A38 - Positive (+) connection -2- (15a), in dash panel wiring harness
- A87 - Connection (RF (reversing light)), in dash panel wiring harness
- A127 - Connection (rear left speed sensor), in dash panel wiring harness
- A128 - Connection (rear right speed sensor), in dash panel wiring harness
- \* - Models with manual gearbox
- \*\* - Models with automatic gearbox
- # - ABS 5.3
- ## - ABS with ESP

## Audi A6

## Current Flow Diagram

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## Navigation operating electronics control unit

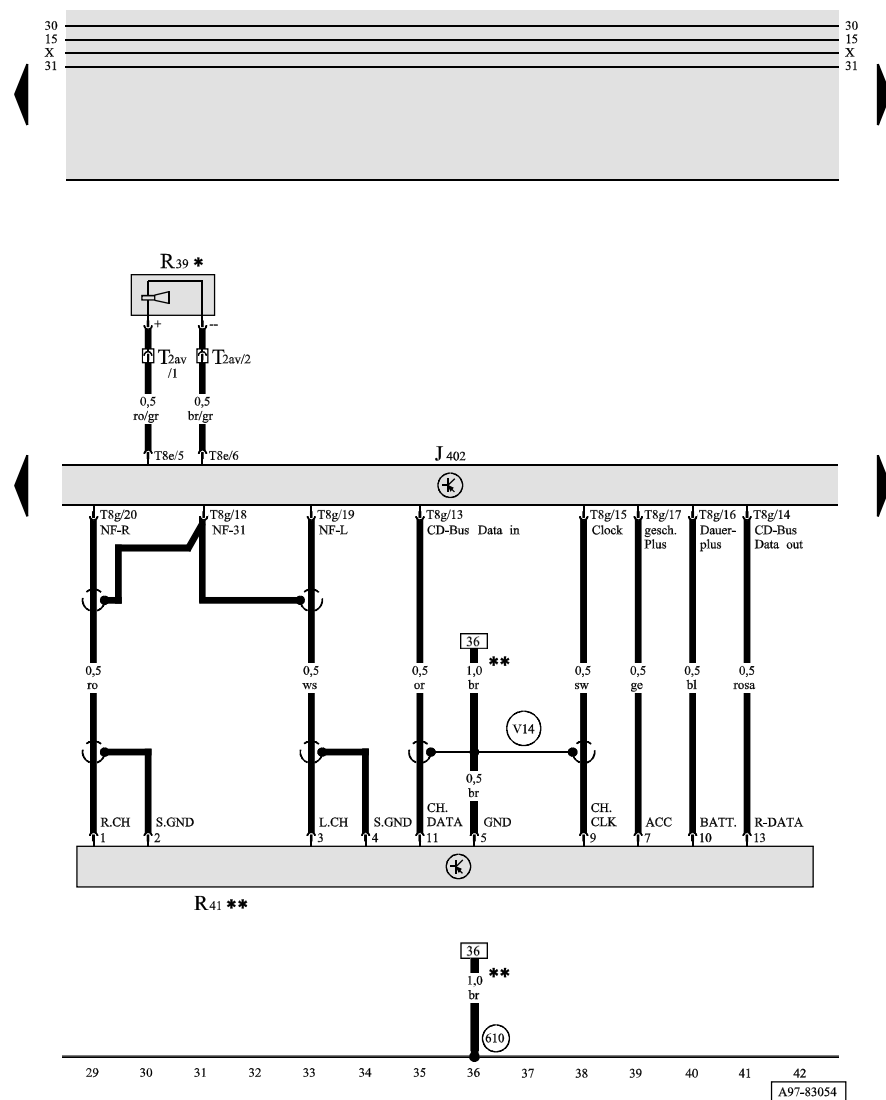
- D - Ignition/starter switch
- J218 - Combi-processor in dash panel insert
- J402 - Operating electronics control unit, navigation
- J429 - Central locking control unit
- S243 - Fuse 43 in fuse box
- T1e - Single connector, on radio
- T1o - Single connector, behind dash panel, centre
- T8f - 8-pin connector, black, radio connector III
- T16a - 16-pin connector, diagnosis connection
- T17 - 17-pin connector, orange, connector point, A pillar, right
- T26 - 26-pin connector, on operating electronics control unit, navigation
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 610 - Earth point (radio), below centre console, front
- A27 - Connection (speed signal), in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- \* - Models with anti-theft alarm system

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

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### Navigation operating electronics control unit, telephone/navigation systems loudspeaker, CD changer

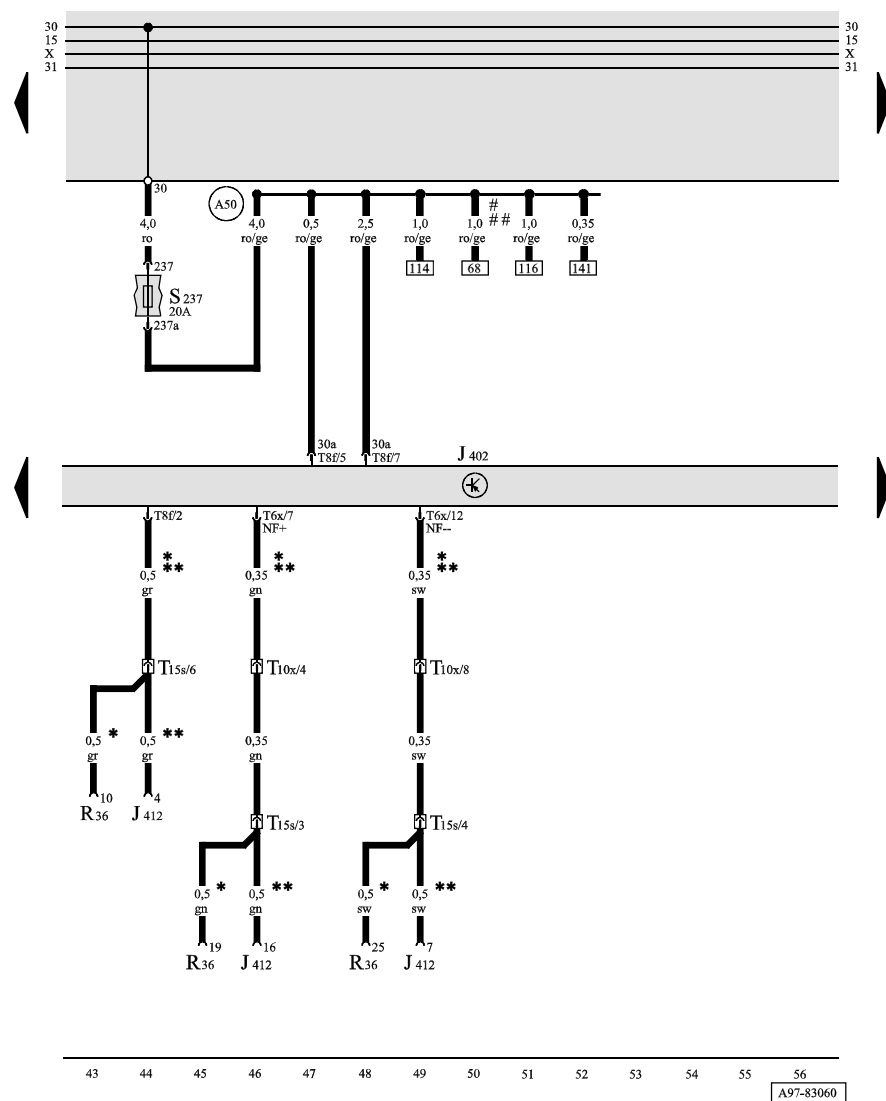
- J402 - Operating electronics control unit, navigation
- R39 - Telephone/navigation systems loudspeaker
- R41 - CD changer
- T2av - 2-pin connector, black, for loudspeaker, B pillar, left
- T8e - 8-pin connector, brown, radio connector II
- T8g - 8-pin connector, blue, radio connector I - 3
- 610 - Earth point (radio), below centre console, front
- V14 - Connection (screening), in CD changer wiring harness
- \* - Models with radio Bose sound system and telephone
- \*\* - Models with CD changer

ws = white  
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## Audi A6

## Current Flow Diagram

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## Navigation operating electronics control unit

- J402 - Operating electronics control unit, navigation
- J412 - Operating electronics control unit, mobile phone
- R36 - Telephone transmitter and receiver unit
- S237 - Fuse 37 in fuse box
- T6x - 6-pin connector, green, radio connector I - 2
- T8f - 8-pin connector, black, radio connector III
- T10x - 10-pin connector, green, connector point, A pillar, right
- T15s - 15-pin connector, blue, connector point, A pillar, left
- A50 - Positive (+) connection (30a), in dash panel wiring harness
- \* - Models with telephone
- \*\* - Models with mobile phone
- # - Models with active loudspeakers
- ## - Models with radio Bose sound system

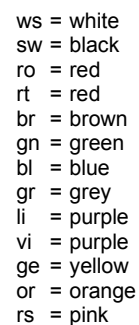
ws = white  
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 gn = green  
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 li = purple  
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### Current Flow Diagram

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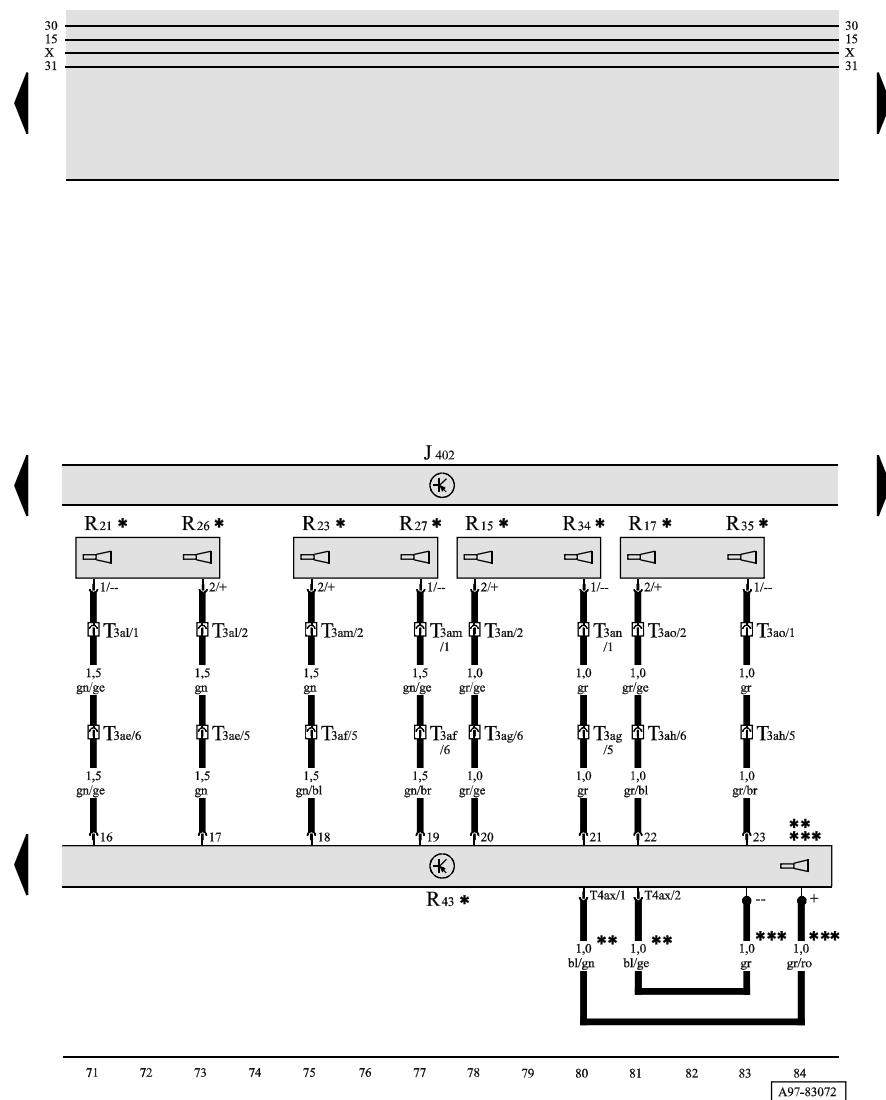
J402	- Operating electronics control unit, navigation
R43	- Amplifier with bass loudspeaker (luggage compartment, right)
T6w	- 6-pin connector, yellow, radio connector I - 1
T10x	- 10-pin connector, green, connector point, A pillar, right
133	- Earth connection, in loudspeaker wiring harness
610	- Earth point (audio), below centre console, front
V1	- Positive (+) connection (30), in rear loudspeaker wiring harness
*	- Models with radio Bose sound system
**	- Models with active loudspeakers



## Audi A6

## Current Flow Diagram

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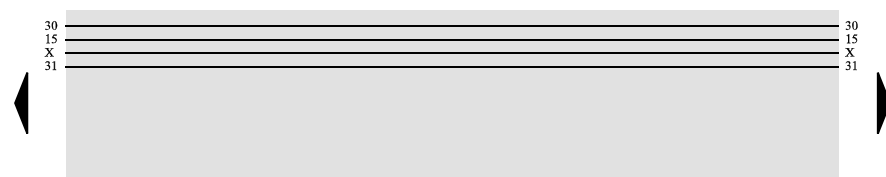
## Navigation operating electronics control unit, amplifier with bass loudspeaker (luggage compartment, right)

- J402 - Operating electronics control unit, navigation
- R15 - Bass loudspeaker, rear left
- R17 - Bass loudspeaker, rear right
- R21 - Bass loudspeaker, front left
- R23 - Bass loudspeaker, front right
- R26 - Mid-range/treble loudspeaker, front left
- R27 - Mid-range/treble loudspeaker, front right
- R34 - Mid-range/treble loudspeaker, rear left
- R35 - Mid-range/treble loudspeaker, rear right
- R43 - Amplifier with bass loudspeaker (luggage compartment, right)
- T3ae - 3-pin connector, brown, connector point, A pillar, left
- T3af - 3-pin connector, brown, connector point, A pillar, right
- T3ag - 3-pin connector, blue, in B pillar, left
- T3ah - 3-pin connector, blue, in B pillar, right
- T3al - 3-pin connector, black, in driver's door
- T3am - 3-pin connector, black, in front passenger's door
- T3an - 3-pin connector, black, in door, rear left
- T3ao - 3-pin connector, black, in door, rear right
- T4ax - 4-pin connector, on Bose power amplifier
- \* - Models with radio Bose sound system
- \*\* - Bass loudspeaker (saloon models)
- \*\*\* - Bass loudspeaker (Avant models)

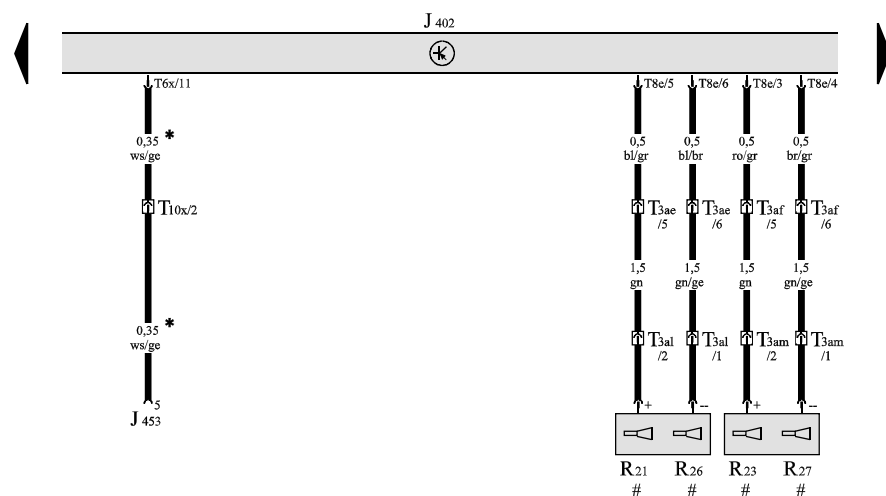
## Audi A6

## Current Flow Diagram

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**Navigation operating electronics control unit, bass loudspeakers, mid-range/treble loudspeakers**

- J402 - Operating electronics control unit, navigation
- J453 - Multi-function steering wheel control unit
- R21 - Bass loudspeaker, front left
- R23 - Bass loudspeaker, front right
- R26 - Mid-range/treble loudspeaker, front left
- R27 - Mid-range/treble loudspeaker, front right
- T3ae - 3-pin connector, brown, connector point, A pillar, left
- T3af - 3-pin connector, brown, connector point, A pillar, right
- T3al - 3-pin connector, black, in driver's door
- T3am - 3-pin connector, black, in front passenger's door
- T6x - 6-pin connector, green, radio connector I - 2
- T8e - 8-pin connector, brown, radio connector II
- T10x - 10-pin connector, green, connector point, A pillar, right
- \* - Models with multi-function steering wheel
- # - Models with active loudspeakers



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 ge = yellow  
 or = orange  
 rs = pink

85 86 87 88 89 90 91 92 93 94 95 96 97 98  
 A97-83078

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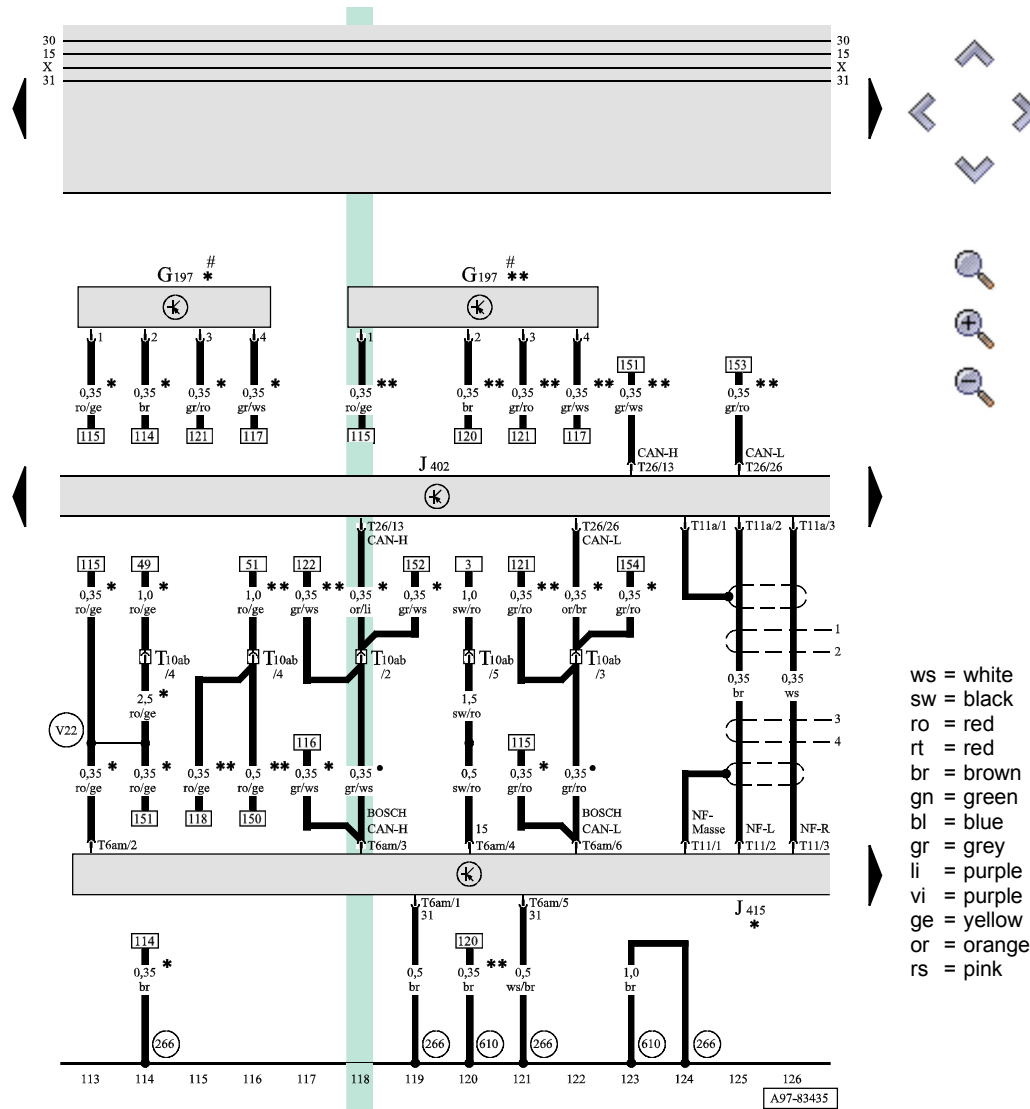
- J402 - Operating electronics control unit, navigation
- R1 - Aerial connection
- R15 - Bass loudspeaker, rear left
- R17 - Bass loudspeaker, rear right
- R34 - Mid-range/treble loudspeaker, rear left
- R35 - Mid-range/treble loudspeaker, rear right
- R43 - Amplifier with bass loudspeaker (luggage compartment, right)
- R50 - Navigation aerial
- R51 - Radio/telephone/auxiliary heater aerial
- R52 - Radio/telephone/navigation aerial
- T3ag - 3-pin connector, blue, in B pillar, left
- T3ah - 3-pin connector, blue, in B pillar, right
- T3an - 3-pin connector, black, in door, rear left
- T3ao - 3-pin connector, black, in door, rear right
- T6w - 6-pin connector, yellow, radio connector I - 1
- T8e - 8-pin connector, brown, radio connector II
- 610 - Earth point (audio), below centre console, front
- \* - Models with active loudspeakers
- \*\* - Saloon models
- \*\*\* - Avant models

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sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
vi = purple  
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rs = pink

## Audi A6

## Current Flow Diagram

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### Navigation operating electronics control unit, navigation/TV tuner, magnetic field sender (compass)

- G197 - Magnetic field sender (compass)
- J402 - Operating electronics control unit, navigation
- J415 - Navigation/TV tuner
- T6am - 6-pin connector, white, on TV tuner
- T10ab - 10-pin connector, purple, connector point, A pillar, right
- T11 - 11-pin connector, on TV tuner
- T11a - 11-pin connector, black, on operating electronics control unit, navigation
- T26 - 26-pin connector, on operating electronics control unit, navigation
- 266 - Earth connection, in navigation wiring harness
- 610 - Earth point (audio), below centre console, front
- V22 - Positive (+) connection (30a), in navigation wiring harness
- - CAN bus (data wire)
- \* - Models with TV tuner
- \*\* - Models without TV tuner
- # - Audi Avant allroad models

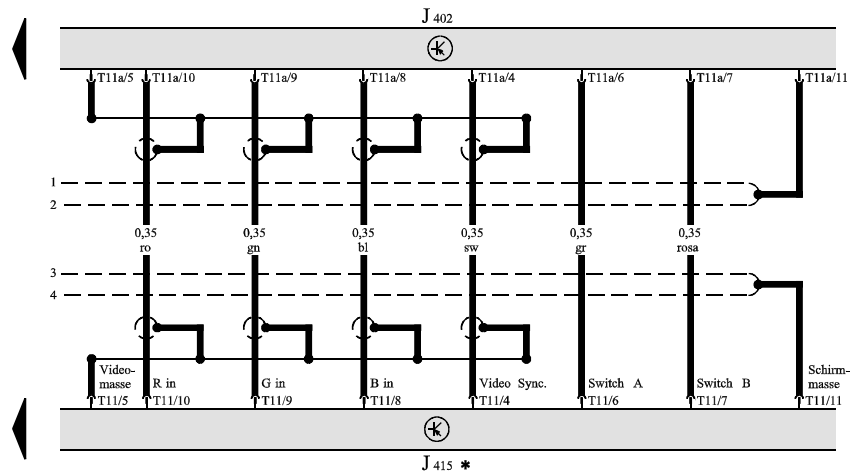
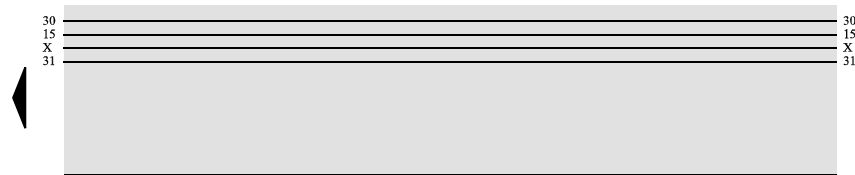
## Audi A6

## Current Flow Diagram

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## Navigation operating electronics control unit, navigation/TV tuner

- J402 - Operating electronics control unit, navigation
- J415 - Navigation/TV tuner
- T11 - 11-pin connector, on TV tuner
- T11a - 11-pin connector, black, on operating electronics control unit, navigation
- \* - Models with TV tuner



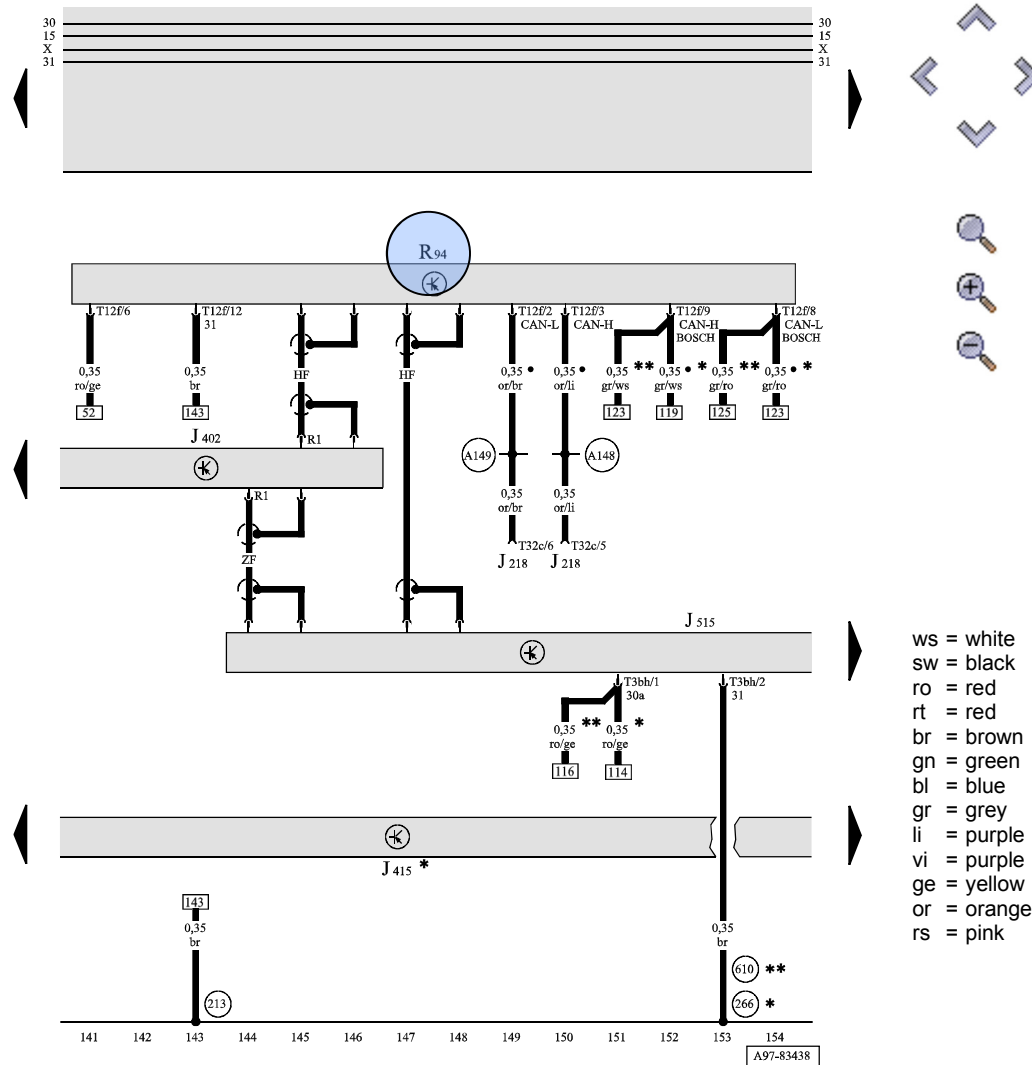
ws = white  
 sw = black  
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 gr = grey  
 li = purple  
 vi = purple  
 ge = yellow  
 or = orange  
 rs = pink

127 128 129 130 131 132 133 134 135 136 137 138 139 140  
 A97-83090

## Audi A6

## Current Flow Diagram

## No. 110 / 12



### Navigation operating electronics control unit, navigation/TV tuner, aerial selection control unit, navigation interface

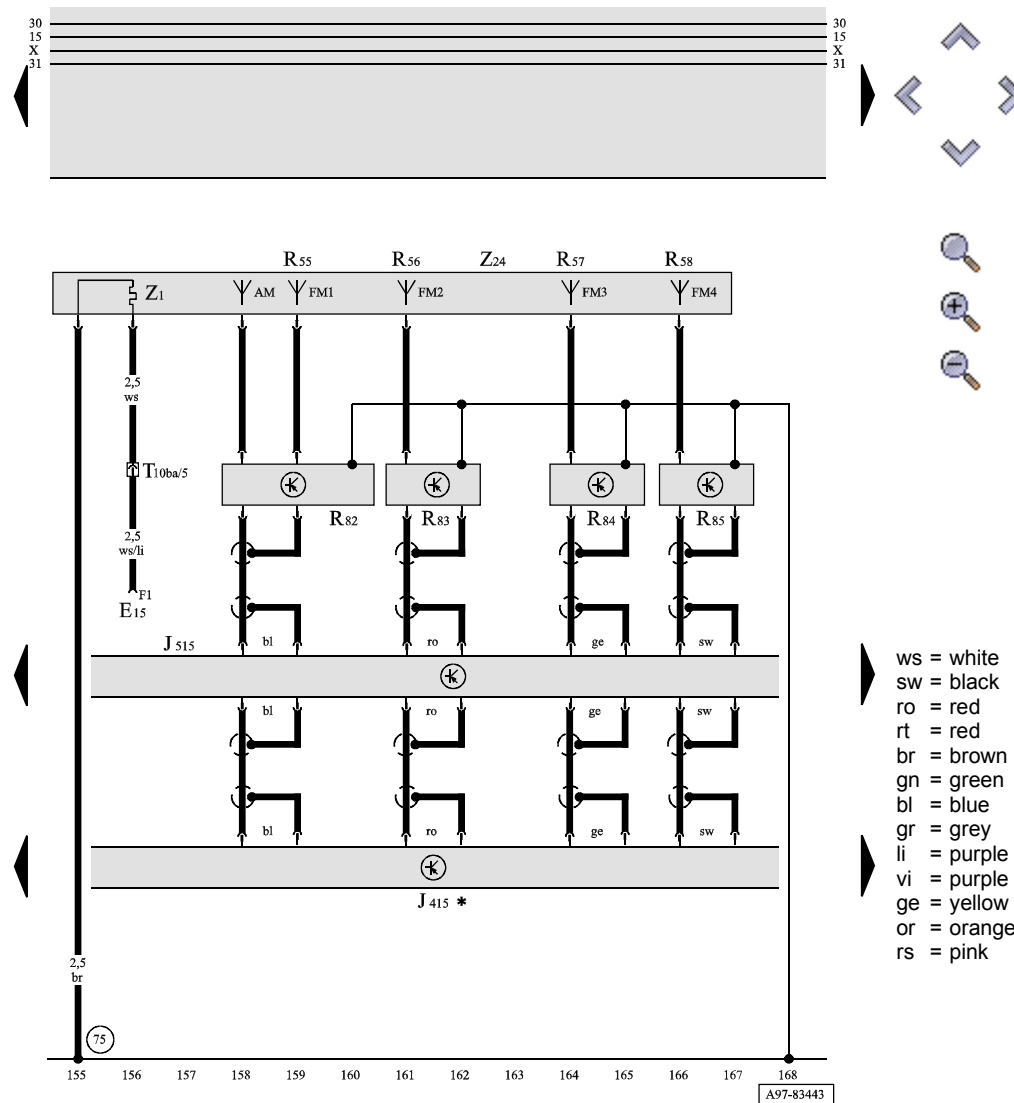
- J218 - Combi-processor in dash panel insert
- J402 - Operating electronics control unit, navigation
- J415 - Navigation/TV tuner
- J515 - Aerial selection control unit
- R1 - Aerial connection
- R94** - Navigation interface
- T3bh - 3-pin connector, black, on aerial selection control unit
- T12f - 12-pin connector, at navigation interface
- T32c - 32-pin connector, grey, on dash panel insert
- 213 - Earth connection -4-, in dash panel wiring harness
- 266 - Earth connection, in navigation wiring harness
- 610 - Earth point (radio), below 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
- - CAN bus (data wire)
- \* - Models with TV tuner
- \*\* - Models without TV tuner

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## Audi A6

## Current Flow Diagram

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**Aerials for saloon models**

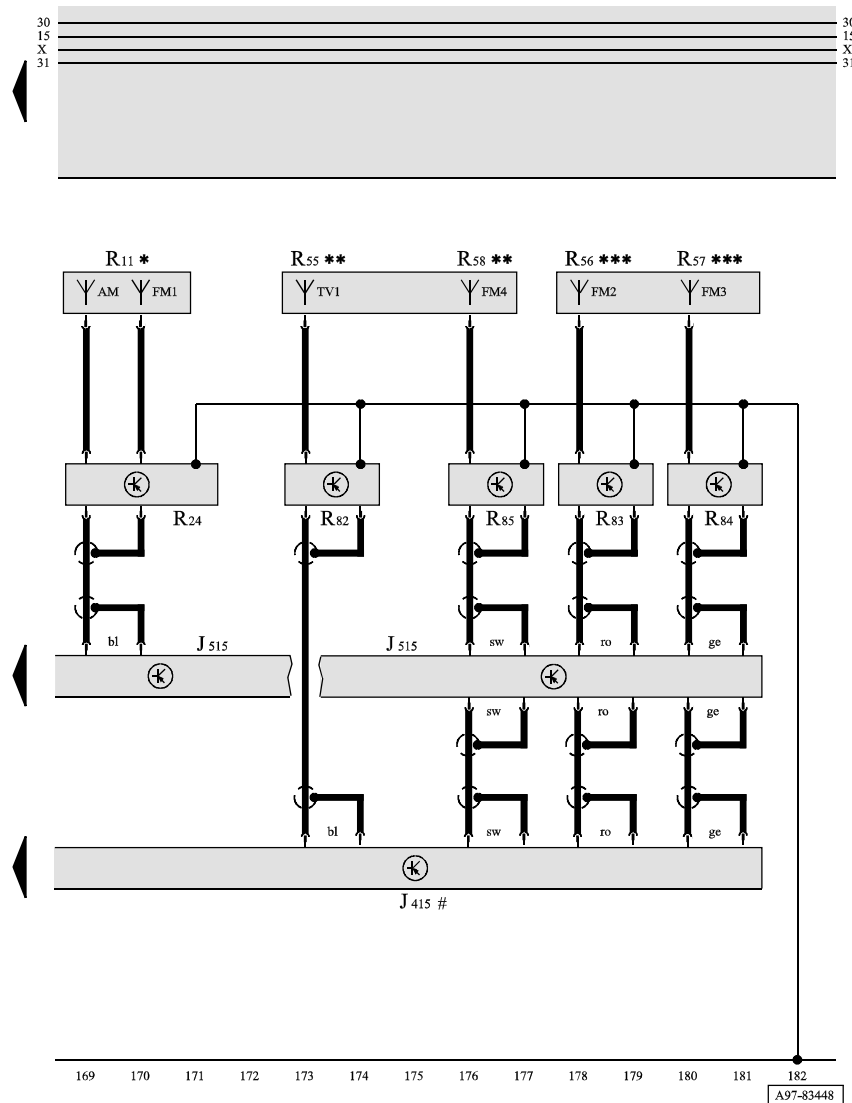
- E15 - Heated rear window switch
- J415 - Navigation/TV tuner
- J515 - Aerial selection control unit
- R55 - TV aerial -1-
- R56 - TV aerial -2-
- R57 - TV aerial -3-
- R58 - TV aerial -4-
- R82 - Aerial amplifier 1, TV
- R83 - Aerial amplifier 2, TV
- R84 - Aerial amplifier 3, TV
- R85 - Aerial amplifier 4, TV
- T10ba - 10-pin connector, blue, connector point, A pillar, left
- Z1 - Heated rear window
- Z24 - Heated rear window with window aerial
- 75 - Earth point, rear pillar, right
- \* - Models with TV tuner

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## Audi A6

## Current Flow Diagram

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**Aerials for Avant models**

- J415 - Navigation/TV tuner
- 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 - Aerial amplifier 1, TV
- R83 - Aerial amplifier 2, TV
- R84 - Aerial amplifier 3, TV
- R85 - Aerial amplifier 4, TV
- \* - Roof aerial, Avant models
- \*\* - Side window, rear right
- \*\*\* - Side window, rear left
- # - Models with TV tuner