

# Audi A4

## Current Flow Diagram

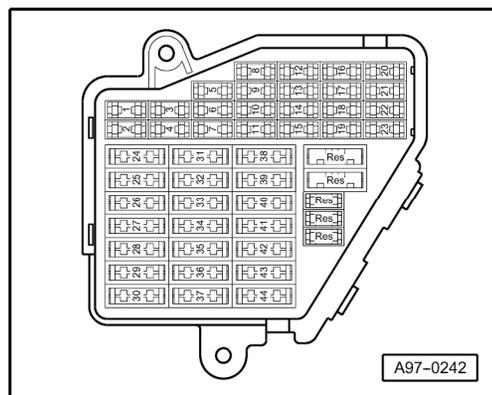
# No. 53 / 1

Edition 12.2003

### Radio navigation system (RNS-D)

From model year 2002

#### Fuse box



#### ◆ Dash panel, driver's side

##### Fuse colours

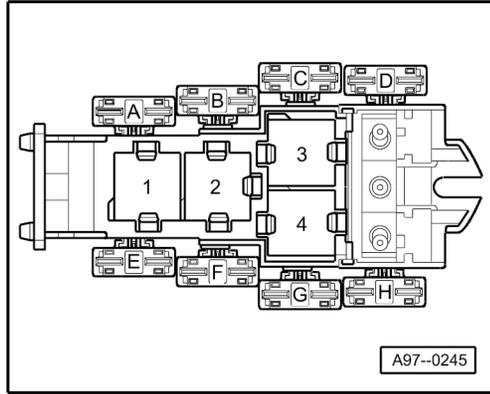
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige



#### Note:

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

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

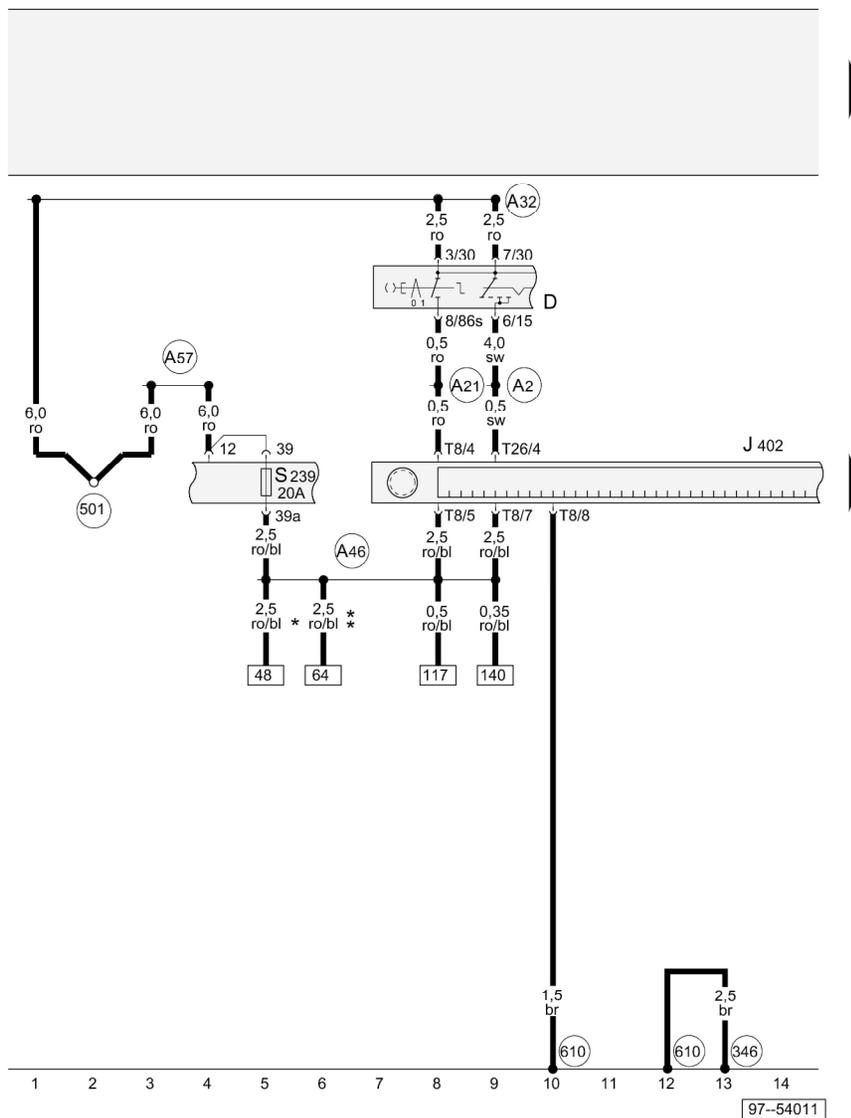


◆ Dash panel, driver's side

# Audi A4

## Current Flow Diagram

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### Voltage supply

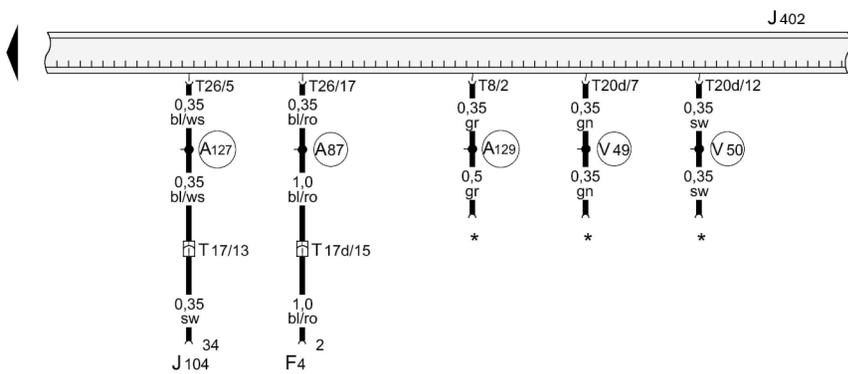
- D - Ignition/starter switch
- J402 - Operating electronics control unit, navigation 📷
- S239 - Fuse in fuse box 📷
- T8 - 8-pin connector, black, radio connector III
- T26 - 26-pin connector, black, on operating electronics control unit, navigation
- 346 - Earth connection (audio), in dash panel wiring harness
- 501 - Screw connection -2- (30), on relay plate
- 610 - Earth point (audio), below centre console, front 📷
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A21 - Connection (86s), in dash panel wiring harness
- A32 - Positive (+) connection (30), in dash panel wiring harness
- A46 - Positive (+) connection (30 - from radio), in dash panel wiring harness
- A57 - Positive (+) connection -3- (30), in dash panel wiring harness
- \* - Models with active loudspeakers
- \*\* - Models with Bose loudspeakers

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

# Audi A4

## Current Flow Diagram

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

**Operating electronics control unit, navigation**

- F4 - Reversing light switch
- J104 - ABS with EDL control unit
- J402 - Operating electronics control unit, navigation
- T8 - 8-pin connector, black, radio connector III
- T17 - 17-pin connector, black, connector point, A pillar, left
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- T20d - 20-pin connector, black, radio connector I
- T26 - 26-pin connector, black, on operating electronics control unit, navigation
- A87 - Connection (RF (reversing light)), in dash panel wiring harness
- A127 - Connection (rear left speed sensor), in dash panel wiring harness
- A129 - Connection (muting), in dash panel wiring harness
- V49 - Connection (low frequency, NF +), in communication wiring harness
- V50 - Connection (low frequency, NF -), in communication wiring harness
- \* - See applicable Current Flow Diagram: Telephone

# Audi A4

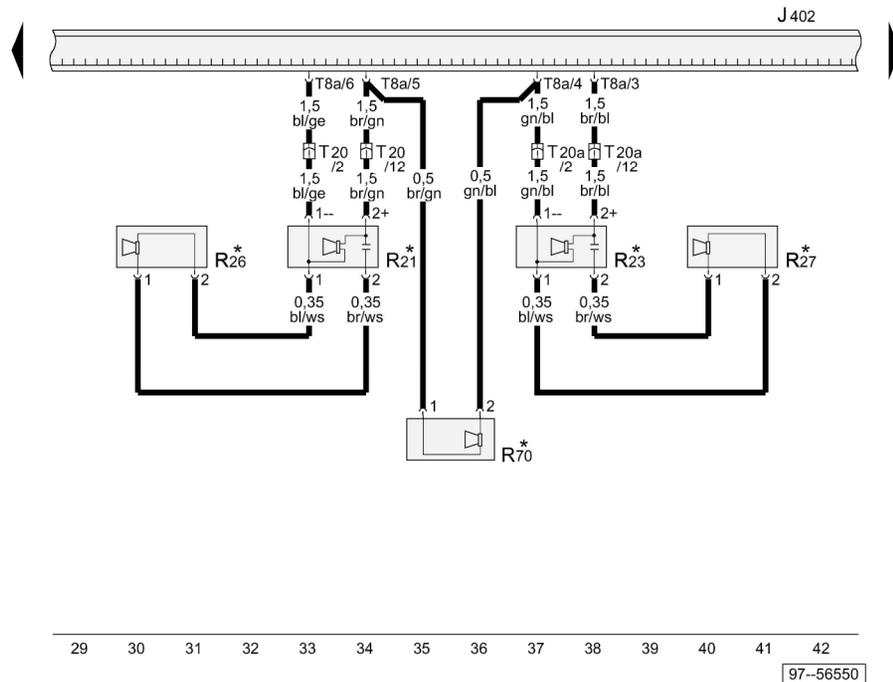
## Current Flow Diagram

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### Active loudspeakers, front

- J402 - Operating electronics control unit, navigation
- R21 - Bass loudspeaker, front left
- R23 - Bass loudspeaker, front right
- R26 - Mid-range/treble loudspeaker, front left
- R27 - Mid-range/treble loudspeaker, front right
- R70 - Internal loudspeaker (centre loudspeaker)
- T8a - 8-pin connector, brown, radio connector II
- T20 - 20-pin connector, black, door, A pillar, left
- T20a - 20-pin connector, black, door, A pillar, right
- \* - Only applies to models with active loudspeakers



# Audi A4

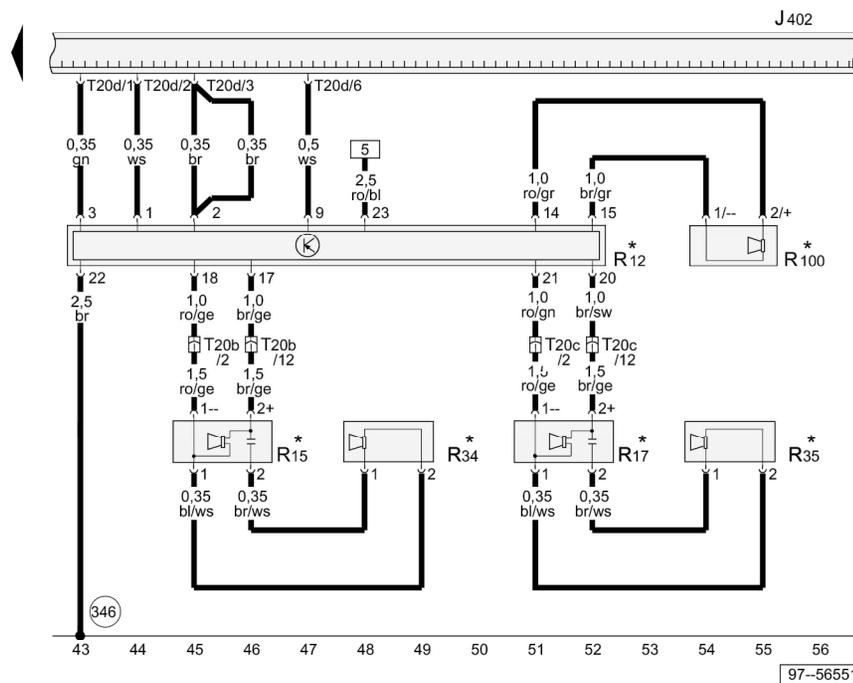
## Current Flow Diagram

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**Active loudspeakers, rear**

- J402 - Operating electronics control unit, navigation
- R12 - Amplifier
- R15 - Bass loudspeaker, rear left
- R17 - Bass loudspeaker, rear right
- R34 - Mid-range/treble loudspeaker, rear left
- R35 - Mid-range/treble loudspeaker, rear right
- R100 - Bass loudspeaker
- T20b - 20-pin connector, black, door, B pillar, left
- T20c - 20-pin connector, black, door, B pillar, right
- T20d - 20-pin connector, black, radio connector I
- 346 - Earth connection (audio), in dash panel wiring harness
- \* - Only applies to models with active loudspeakers



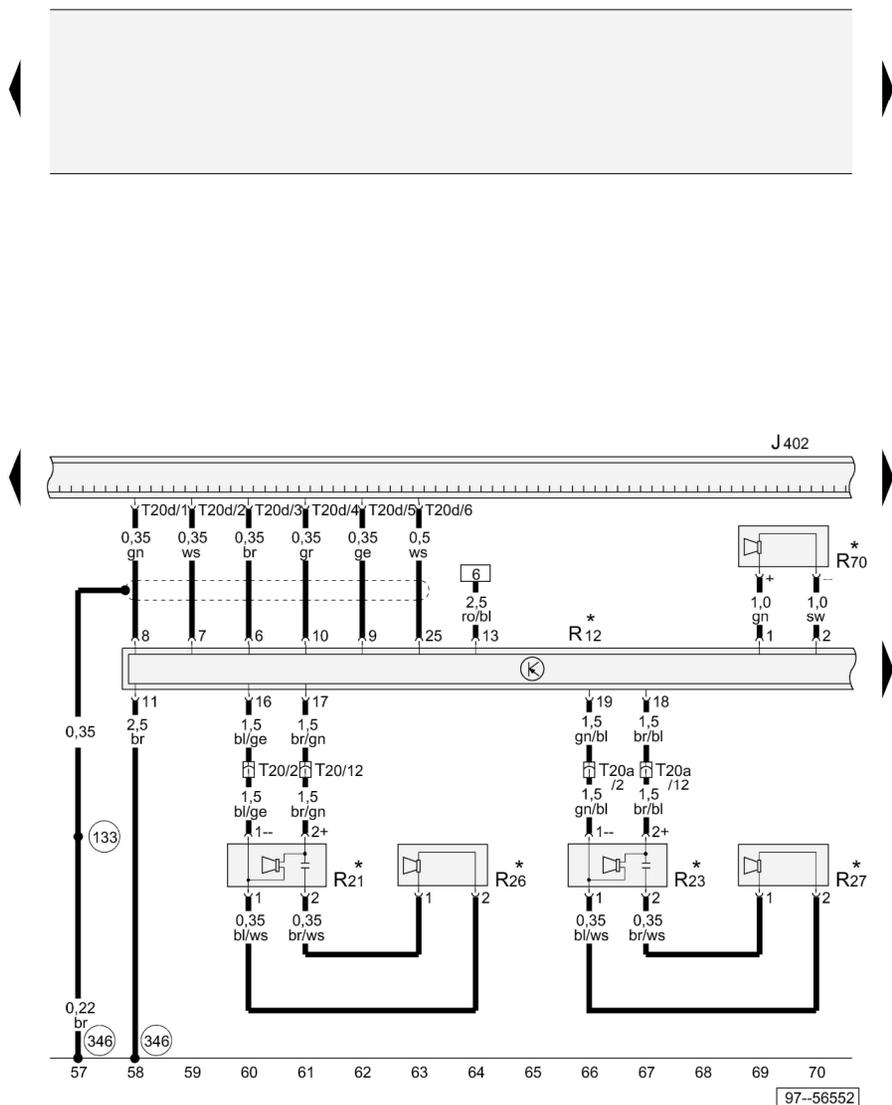
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- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

97-56551

# Audi A4

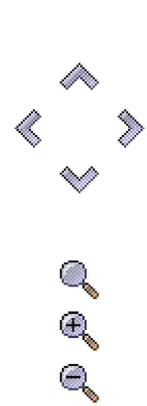
## Current Flow Diagram

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### Bose loudspeakers, front

- J402 - Operating electronics control unit, navigation
- R12 - Amplifier
- R21 - Bass loudspeaker, front left
- R23 - Bass loudspeaker, front right
- R26 - Mid-range/treble loudspeaker, front left
- R27 - Mid-range/treble loudspeaker, front right
- R70 - Internal loudspeaker (centre loudspeaker)
- T20 - 20-pin connector, black, door, A pillar, left
- T20a - 20-pin connector, black, door, A pillar, right
- T20d - 20-pin connector, black, radio connector I
- 133 - Earth connection, in loudspeaker wiring harness
- 346 - Earth connection (audio), in dash panel wiring harness
- \* - Only applies to models with Bose sound system

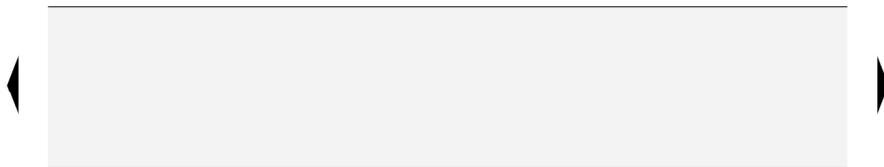


# Audi A4

## Current Flow Diagram

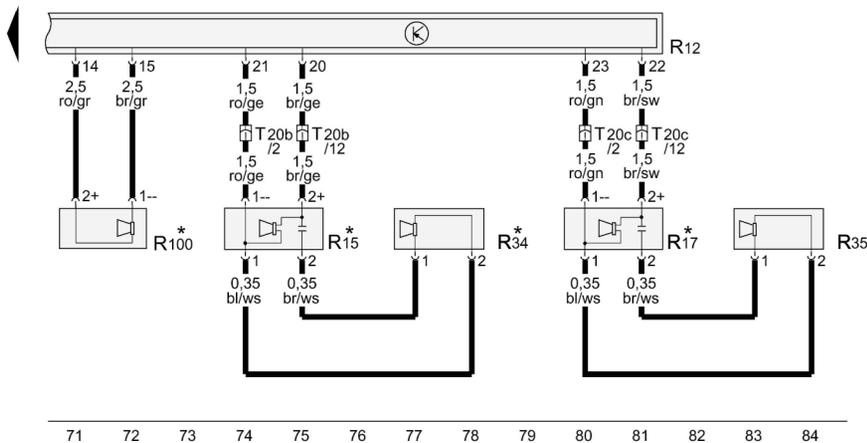
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97-56552



**Bose loudspeakers, rear**

- J402 - Operating electronics control unit, navigation
- R12 - Amplifier
- R15 - Bass loudspeaker, rear left
- R17 - Bass loudspeaker, rear right
- R34 - Mid-range/treble loudspeaker, rear left
- R35 - Mid-range/treble loudspeaker, rear right
- R100 - Bass loudspeaker
- T20b - 20-pin connector, black, door, B pillar, left
- T20c - 20-pin connector, black, door, B pillar, right
- \* - Only applies to models with Bose sound system

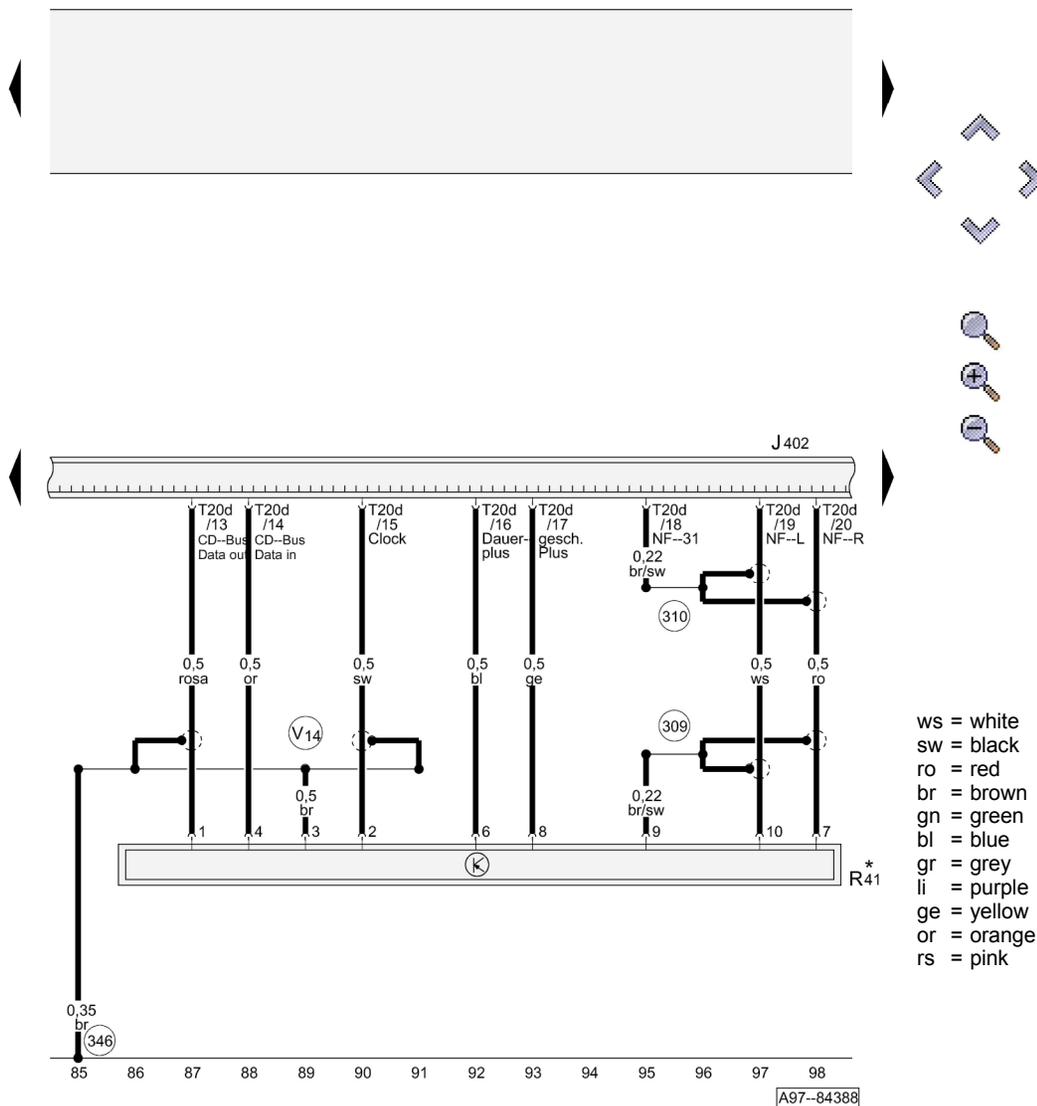


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# Audi A4

## Current Flow Diagram

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### CD changer

- J402 - Operating electronics control unit, navigation
- R41 - CD changer
- T20d - 20-pin connector, black, radio connector I
- 309 - Earth connection -1-, screening, in CD changer wiring harness
- 310 - Earth connection -2-, screening, in CD changer wiring harness
- 346 - Earth connection (audio), in dash panel wiring harness
- V14 - Connection (screening), in CD changer wiring harness
- \* - Only applies to models with CD changer



# Audi A4

## Current Flow Diagram

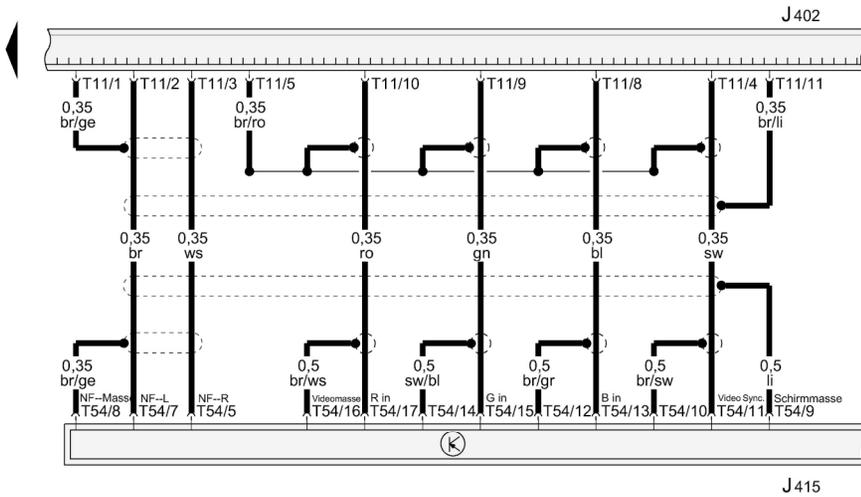
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A97-84388



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

- J402 - Operating electronics control unit, navigation 
- J415 - Navigation/TV tuner
- T11 - 11-pin connector, on navigation/TV tuner
- T54 - 54-pin connector, black, on navigation/TV tuner



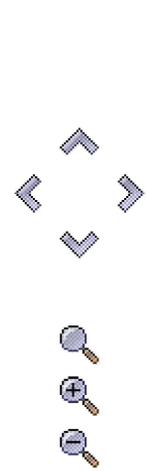
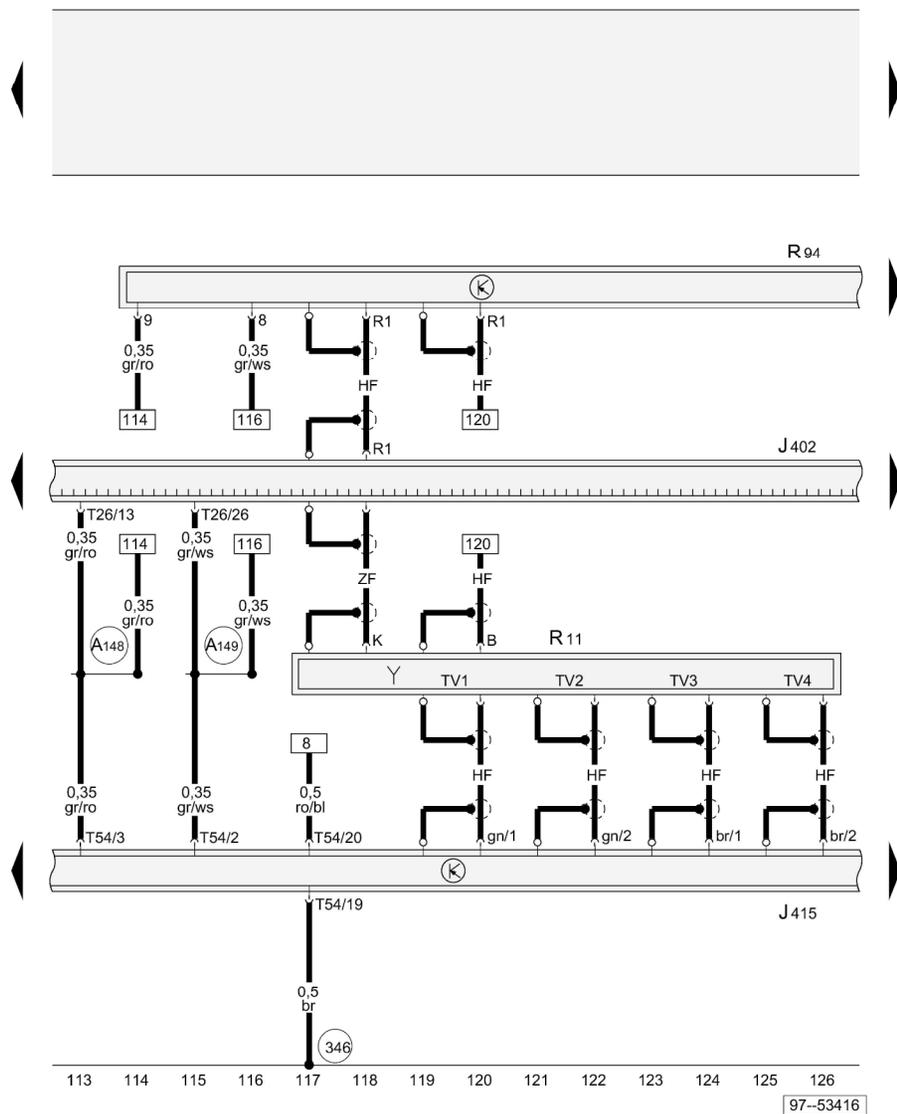
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99 100 101 102 103 104 105 106 107 108 109 110 111 112

# Audi A4

## Current Flow Diagram

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- Navigation operating electronics control unit, navigation/TV tuner, aerial, navigation interface**
- J402 - Operating electronics control unit, navigation 📷
  - J415 - Navigation/TV tuner
  - R1 - Aerial connection
  - R11 - Aerial
  - R94 - Navigation interface
  - T26 - 26-pin connector, black, on operating electronics control unit, navigation
  - T54 - 54-pin connector, black, on navigation/TV tuner
  - 346 - Earth connection (audio), in dash panel wiring harness
  - A148 - Connection (navigation CAN bus, high), in dash panel wiring harness
  - A149 - Connection (navigation CAN bus, low), in dash panel wiring harness

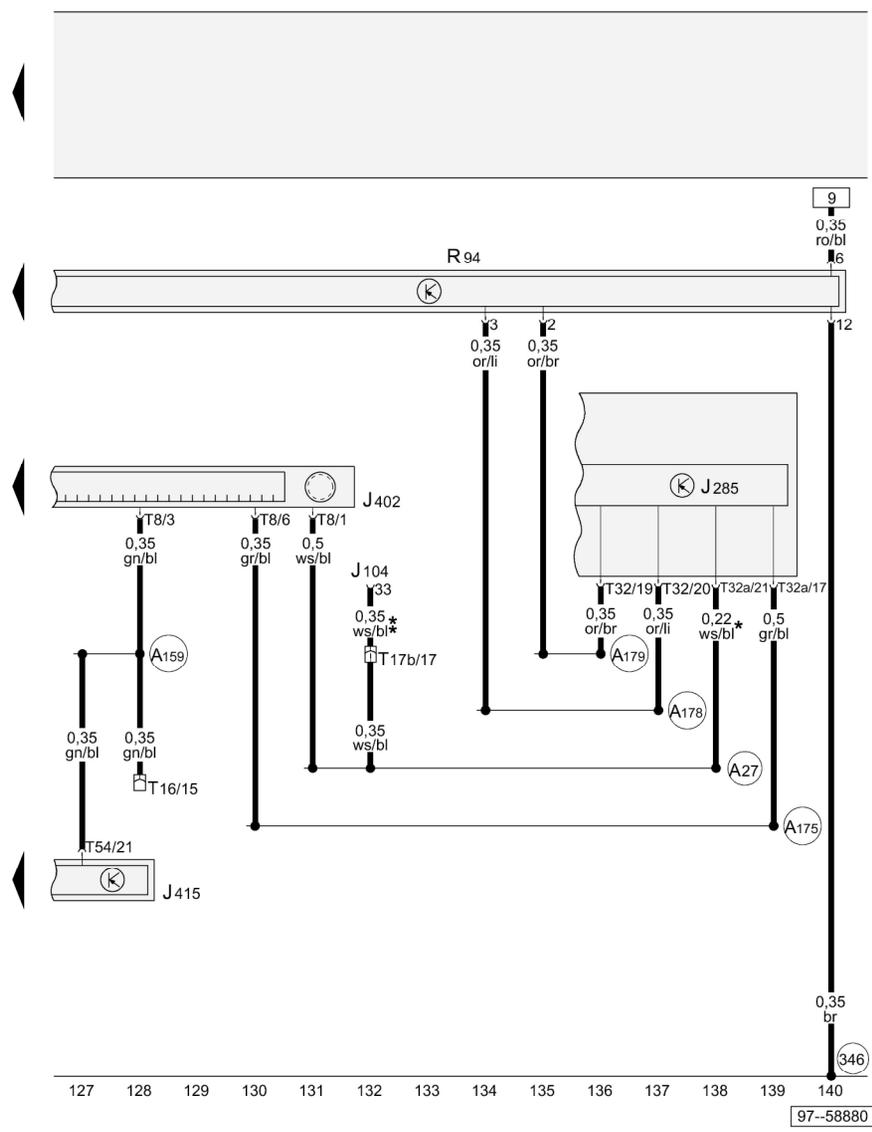
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# Audi A4

## Current Flow Diagram

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97-53416



**Control unit with display in dash panel insert, navigation operating electronics control unit, navigation interface, CAN bus**

- J285 - Control unit with display in dash panel insert
- J402 - Operating electronics control unit, navigation
- J415 - Navigation/TV tuner
- R94 - Navigation interface
- T8 - 8-pin connector, black, radio connector III
- 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
- T54 - 54-pin connector, black, on navigation/TV tuner
- 346 - Earth connection (audio), in dash panel wiring harness
- A27 - Connection (speed signal), in dash panel wiring harness
- A159 - Connection (L), in dash panel wiring harness
- A175 - Connection (58s), 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 up to model year 2002
- \*\* - Applicable from model year 2003



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 ro = red  
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 li = purple  
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