

# Audi A4

## Current Flow Diagram

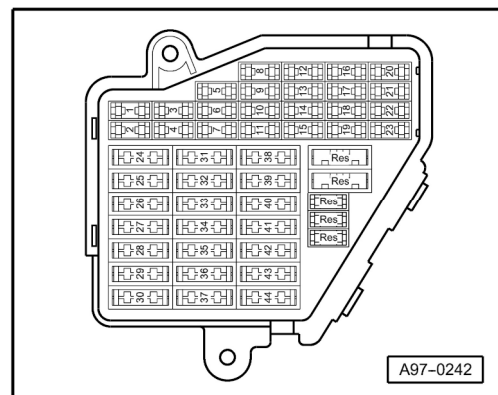
**No. 53 / 1**

Edition 12.2003

### Radio navigation system (RNS-D)

From model year 2002

#### Fuse box



#### ◆ Dash panel, driver's side

##### Fuse colours

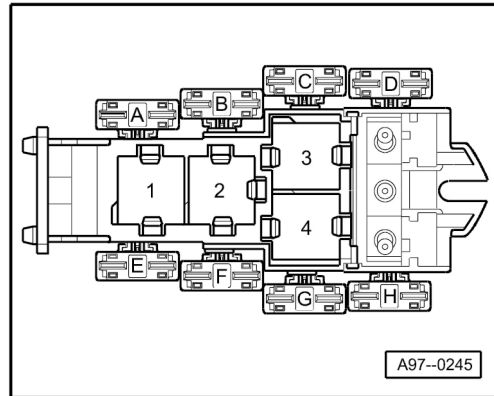
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige



#### **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

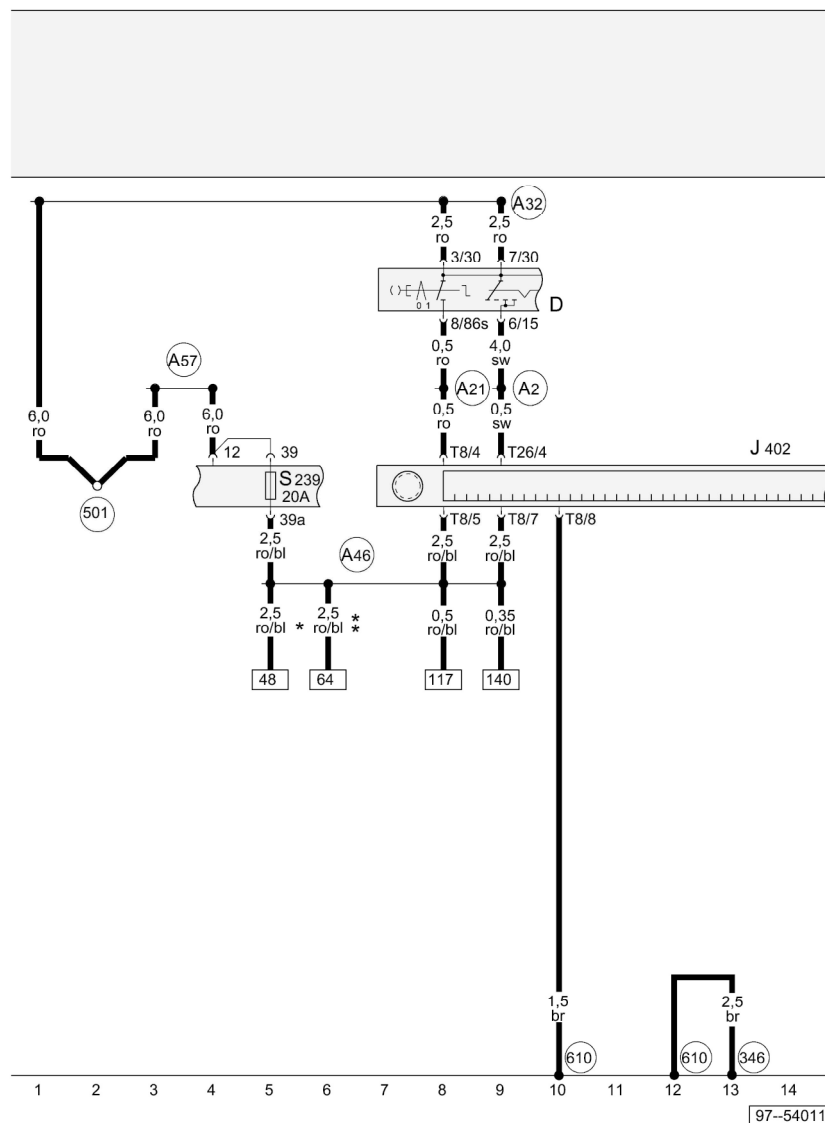


- ◆ Dash panel, driver's side

## Audi A4

## Current Flow Diagram

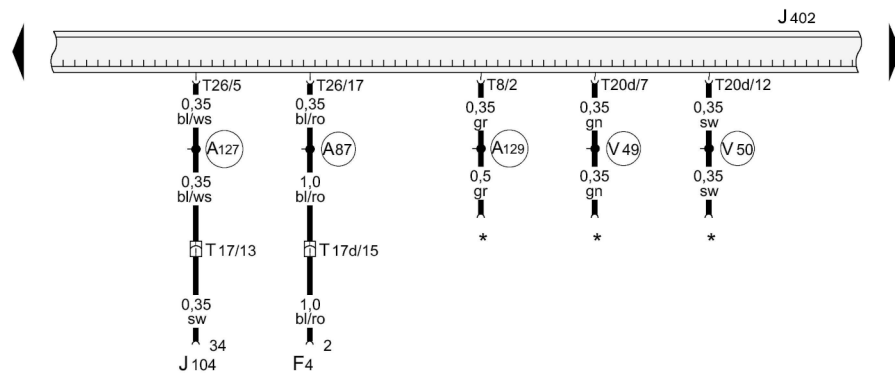
No. 53 / 2



## Audi A4

## Current Flow Diagram

No. 53 / 3



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

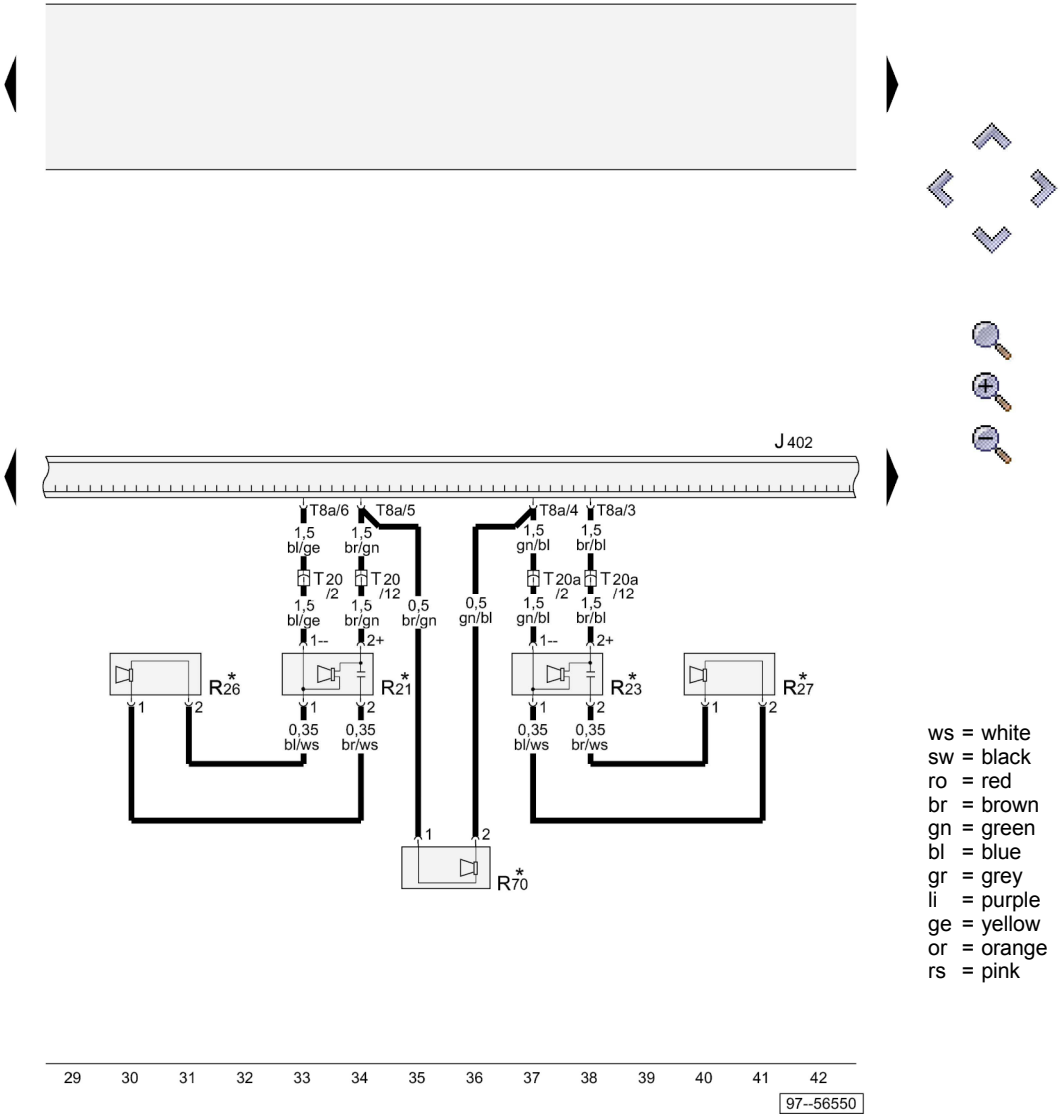
### Operating electronics control unit, navigation

- 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

No. 53 / 4

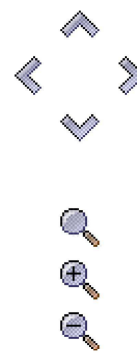


- Active loudspeakers, front**
- J402 - Operating electronics control unit, navigation
  - R21 - Bass loudspeaker, front left
  - R23 - Bass loudspeaker, front right
  - R26 - Mid-range/treble loudspeaker, front left
  - R27 - Mid-range/treble loudspeaker, front right
  - R70 - Internal loudspeaker (centre 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

No. 53 / 5



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

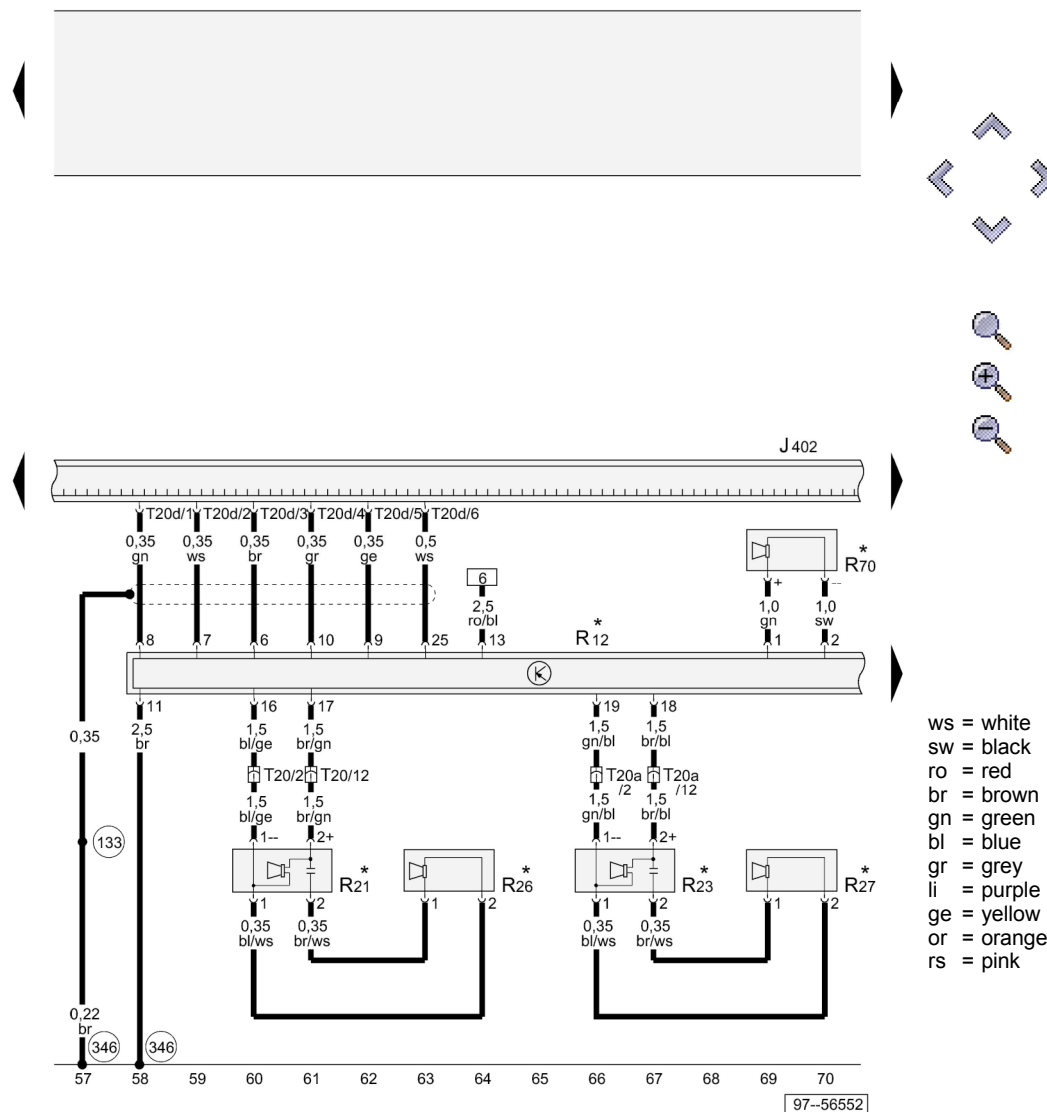
- \* - Only applies to models with active loudspeakers

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

No. 53 / 6

**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

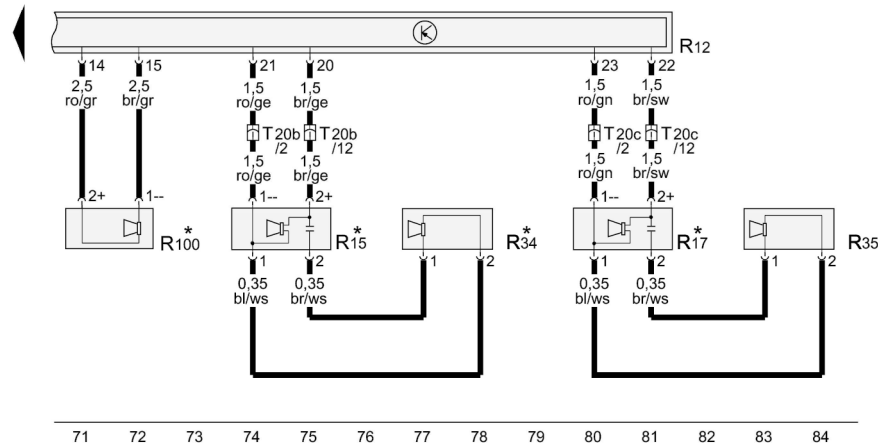
## Current Flow Diagram

No. 53 / 7



### 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



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

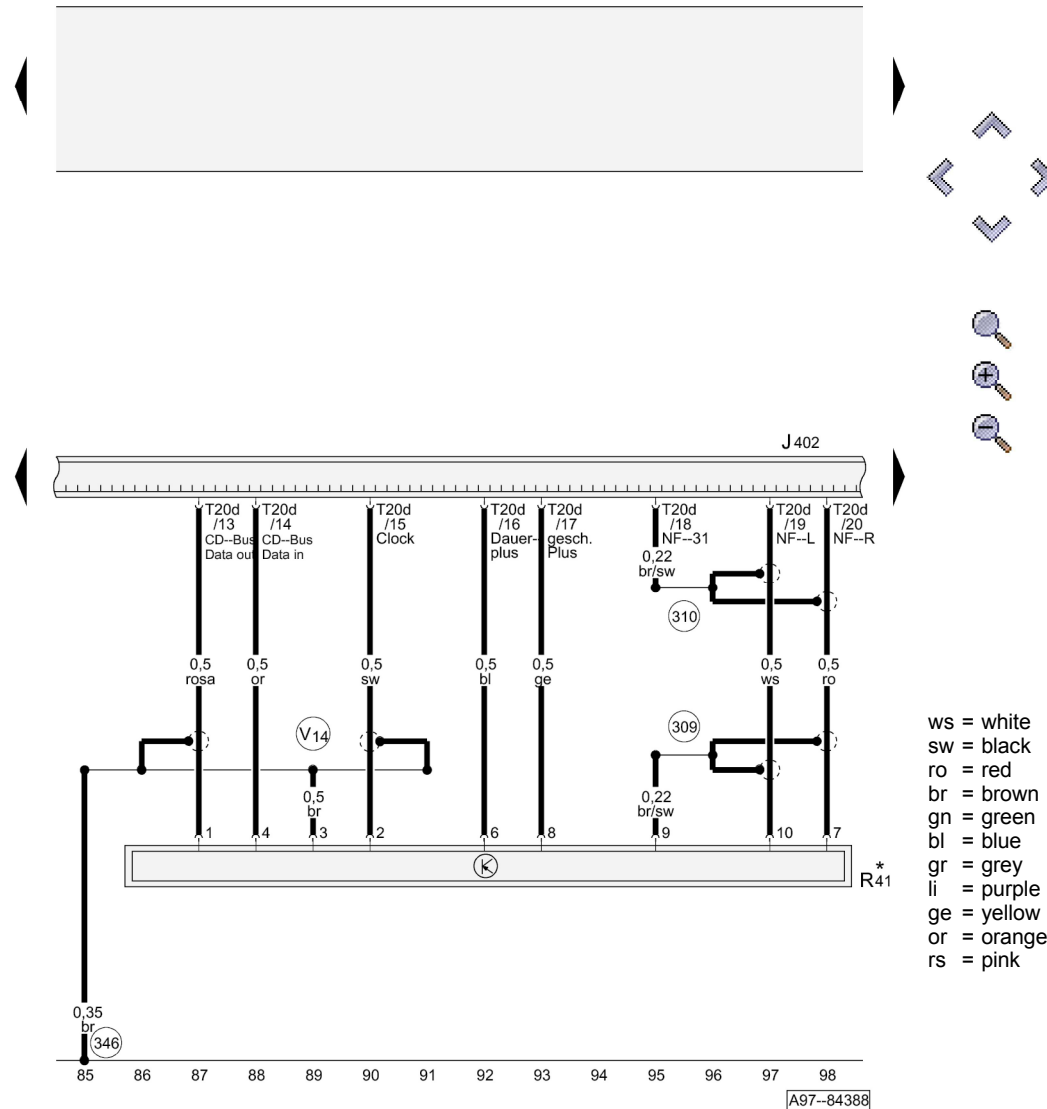
97-56553



## Audi A4

## Current Flow Diagram

No. 53 / 8




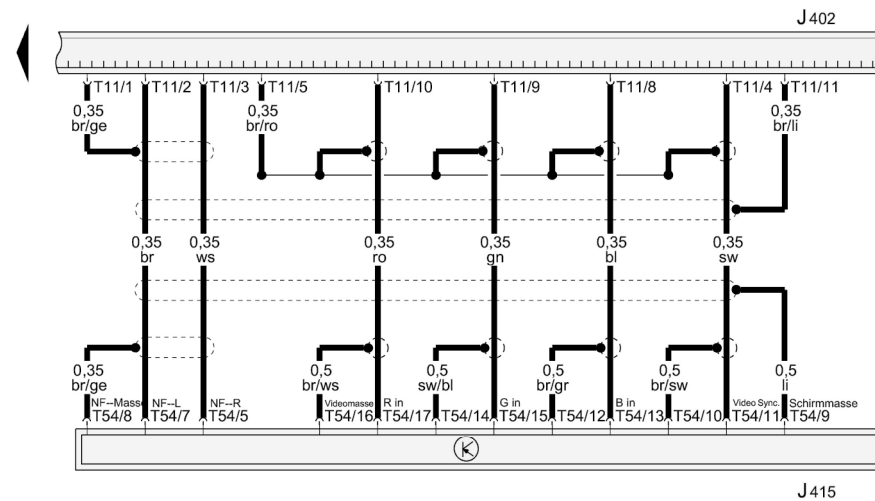
## Audi A4

## Current Flow Diagram

No. 53 / 9

# 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



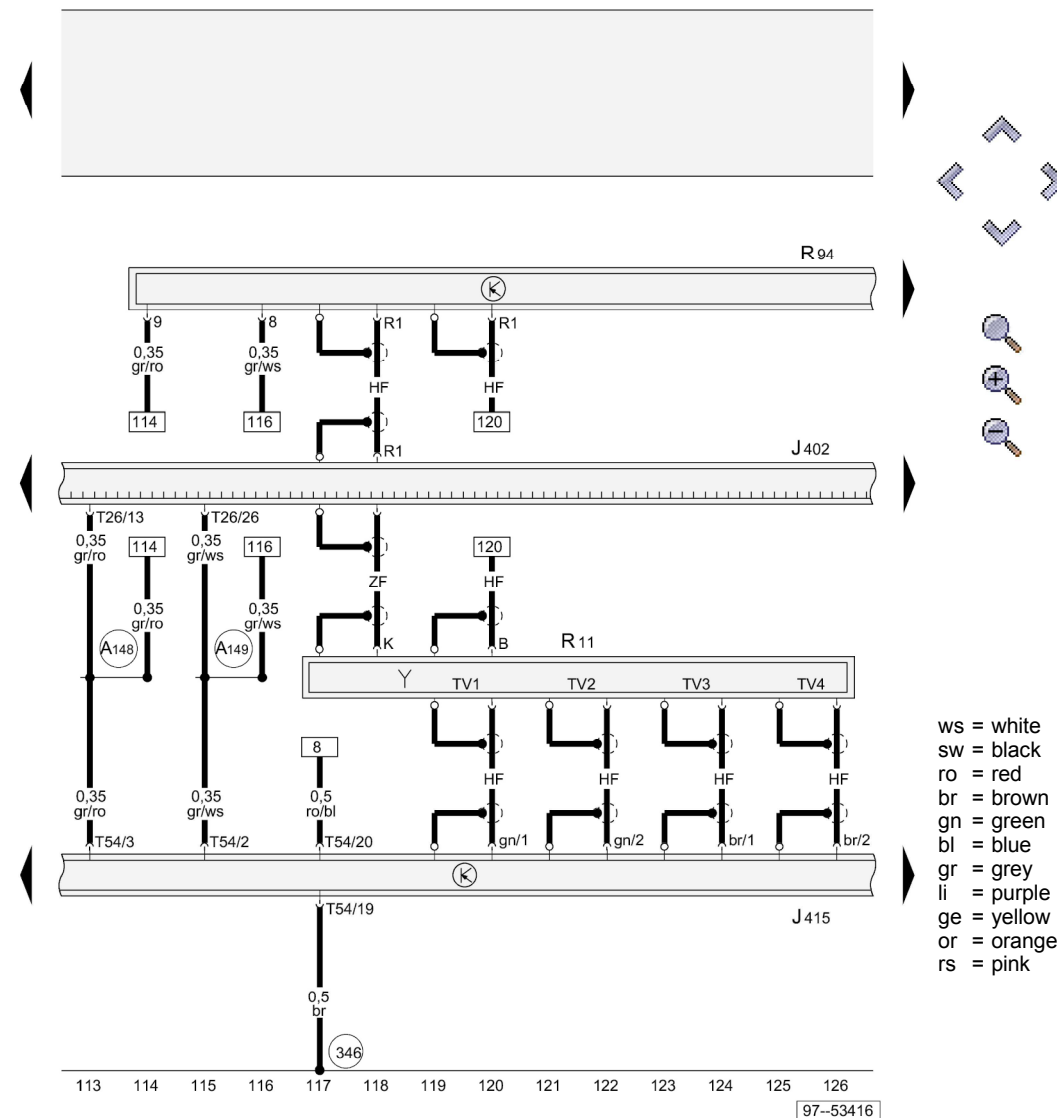
99 100 101 102 103 104 105 106 107 108 109 110 111 112

97-53415

## Audi A4

## Current Flow Diagram

No. 53 / 10

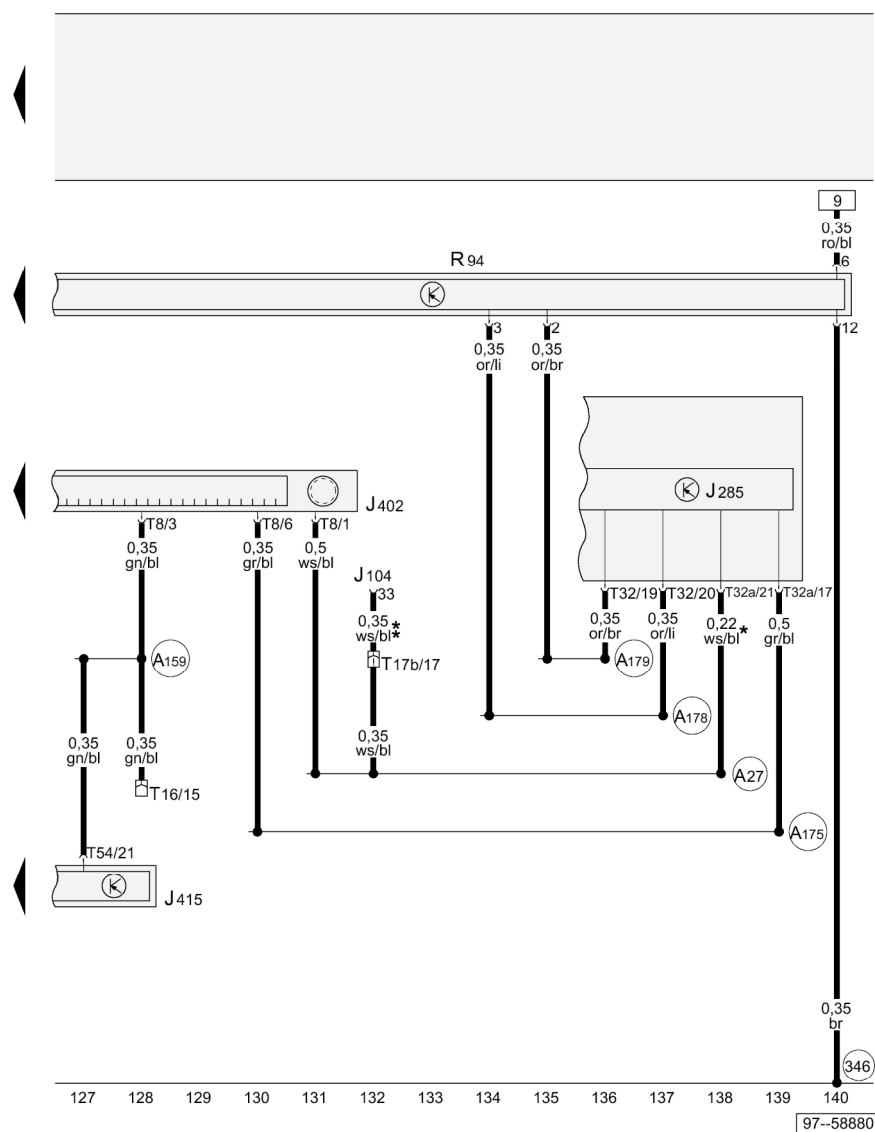

**Navigation operating electronics control unit,  
navigation/TV tuner, aerial, navigation interface**

- 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

## Audi A4

## Current Flow Diagram

No. 53 / 11



### 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