

## **Telematics with Cellular Telephone preparation**

**from November 2003**

### **Notes:**

*Information for*

- ◆ *Relay and fuse arrangements*
- ◆ *Connector arrangements*
- ◆ *Control Modules and relays*
- ◆ *Ground connections*

⇒ *Component Locations!*

*Information for*

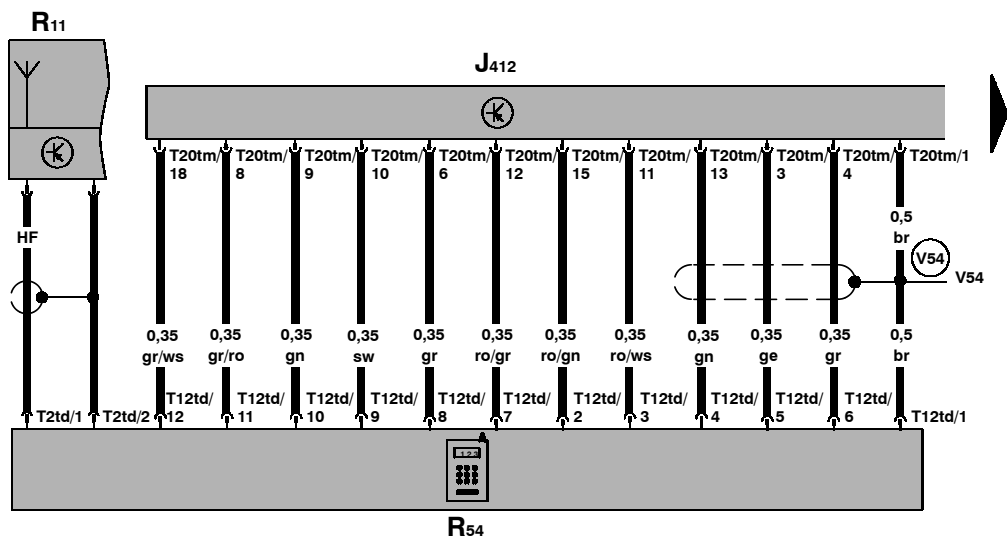
- ◆ *Troubleshooting Procedures*

⇒ *Guided Fault Finding using VAS 5051 / 5052*

# Operating Electronics and Telephone Control Module, Antenna, Cellular telephone

- J412 - Operating Electronics and Telephone Control Module  
 R11 - Antenna  
 R54 - Cellular telephone  
 T2fd - Double connector  
 T12td- 12-Pin connector  
 T20tm- 20-Pin connector

(V54) - Telephone Connection 1 (in main wiring harness)



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

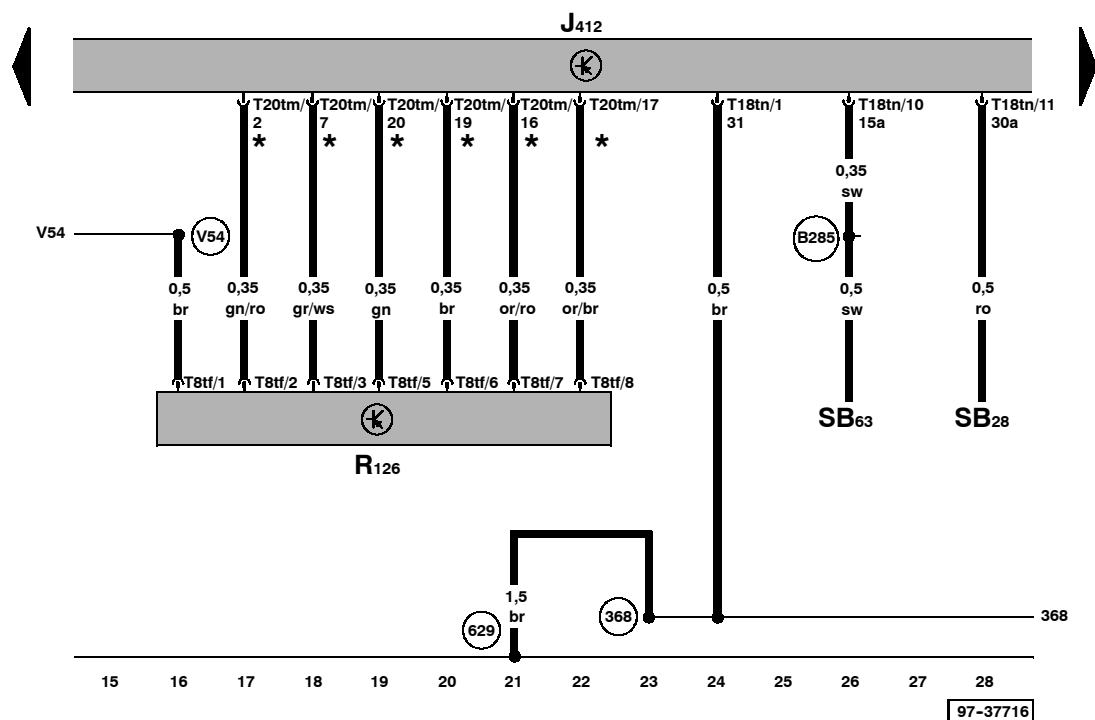
1 2 3 4 5 6 7 8 9 10 11 12 13 14

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### Operating Electronics and Telephone Control Module, Telephone Baseplate

- J412 - Operating Electronics and Telephone Control Module
- R126 - Telephone Baseplate
- SB28- Fuse 28 (in fuse holder)
- SB63- Fuse 63 (in fuse holder)
- T8tf - 8-Pin connector
- T18tn- 18-Pin connector
- T20tm- 20-Pin connector

- (368) - Ground Connection 3 (in main wiring harness)
- (629) - Ground Connection (Radio, TV, Central Display Unit)
- (B285) - Plus Connection 9 (15a) (in main wiring harness)
- (V54) - Telephone Connection 1 (in main wiring harness)

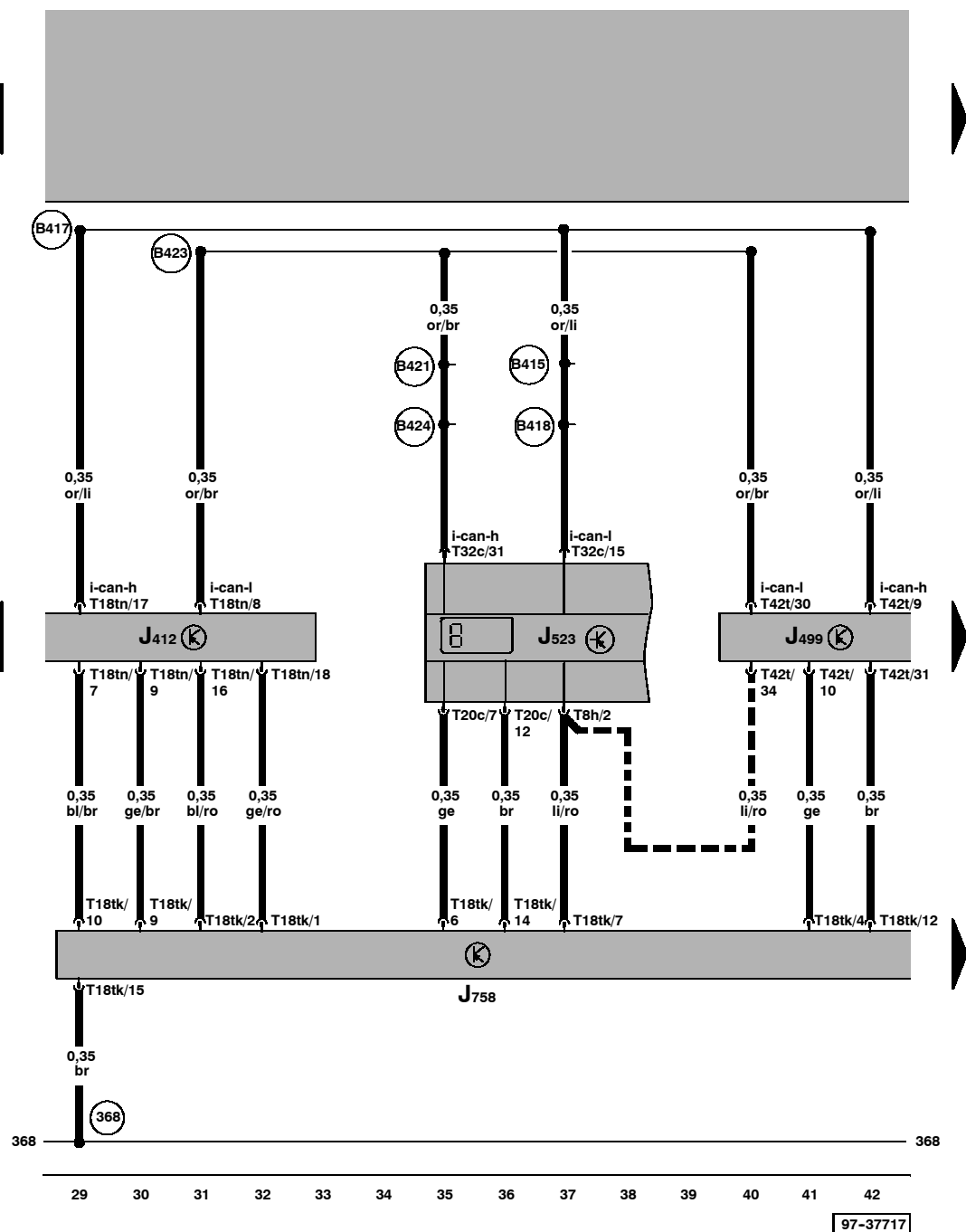


# Operating Electronics and Telephone Control Module, Telematic Control Module, Front Information Display Control Head Control Module

- J412 - Operating Electronics and Telephone Control Module
- J499 - Telematics Control Module
- J523 - Front Information Display Control Head Control Module
- J758 - Telematics Switch-over Module
- T8h - 8-Pin connector
- T18tk- 18-Pin connector
- T18tn- 18-Pin connector
- T20c - 20-Pin connector
- T32c - 32-Pin connector
- T42t - 42-Pin Connector

- (368) - Ground Connection 3 (in main wiring harness)
- (B415) - Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- (B417) - Infotainment CAN-Bus High Connection 3 (in main wiring harness)
- (B418) - Infotainment CAN-Bus High Connection 4 (in main wiring harness)
- (B421) - Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- (B423) - Infotainment CAN-Bus Low Connection 3 (in main wiring harness)
- (B424) - Infotainment CAN-Bus Low Connection 4 (in main wiring harness)

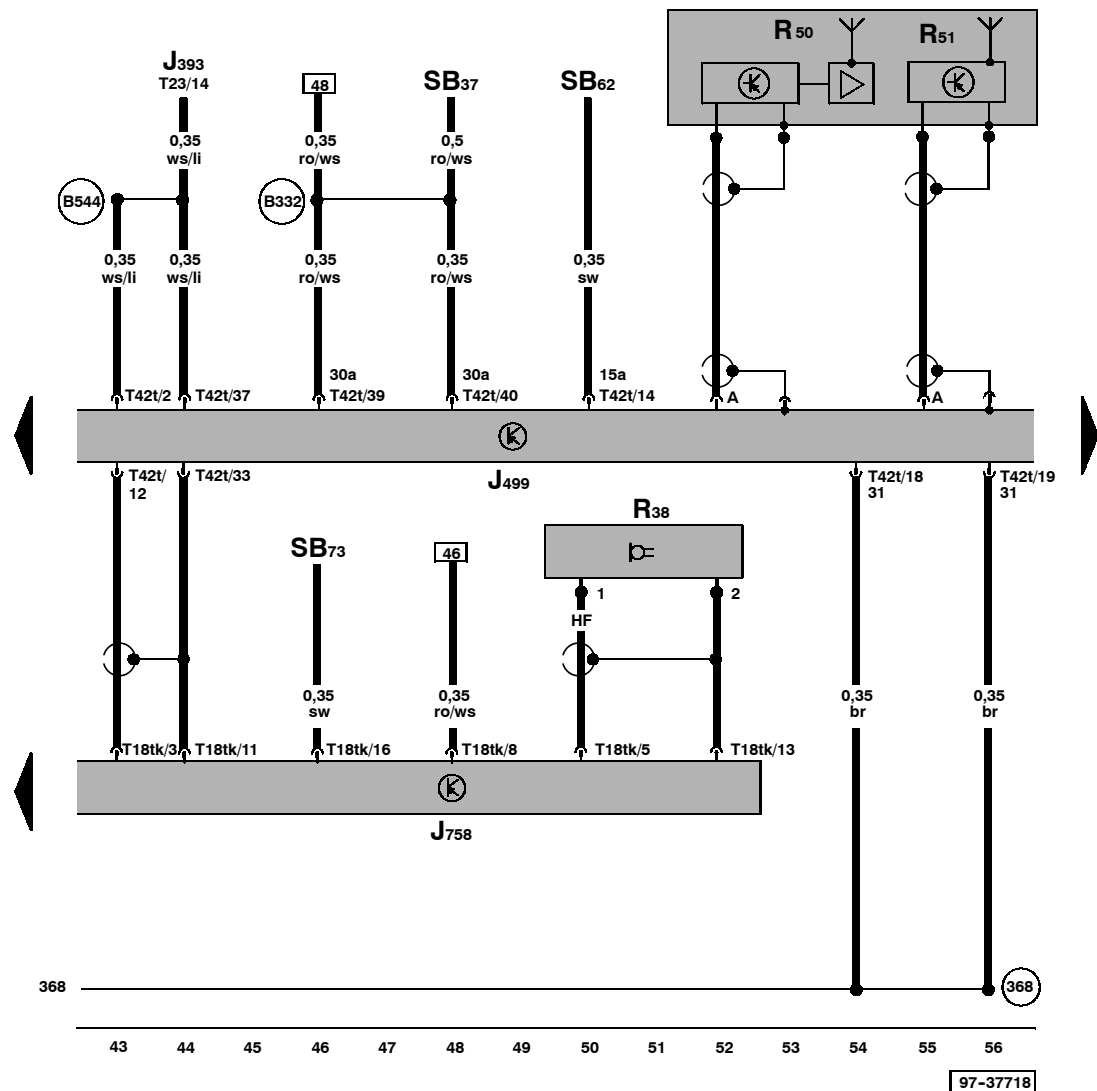
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**Telematic Control Module, Antenna for Navigation System, Telephone Microphone, Radio/Telephone Antenna**

- J393 - Central control module for comfort system  
 J499 - Telematics Control Module  
 J758 - Telematics Switch-over Module  
 R38 - Telephone Microphone  
 R50 - Antenna for Navigation System (GPS)  
 R51 - Radio/Telephone Antenna  
 SB37 - Fuse 37 (in fuse holder)  
 SB62 - Fuse 62 (in fuse holder)  
 SB73 - Fuse 73 (in fuse holder)  
 T18tk - 18-Pin connector  
 T23 - 23-Pin Connector  
 T42t - 42-Pin Connector

- (368) - Ground Connection 3 (in main wiring harness)  
 (B332) - Plus Connection 18 (30a) (in main wiring harness)  
 (B544) - Lock/Unlock Connection (in main wiring harness)





- 371 - Ground Connection 6 (in main wiring harness)
- 639 - Ground Connection (on left A-pillar)
- B340 - Connection 1 (58d) (in main wiring harness)
- B341 - Connection 2 (58d) (in main wiring harness)