

**Automatic transmission, 5-speed automatic with tiptronic,****● 4.0L - Engine - Motronic Multiport Fuel Injection (MFI)/202kW, code BDP**

from January 2002

**Notes:**

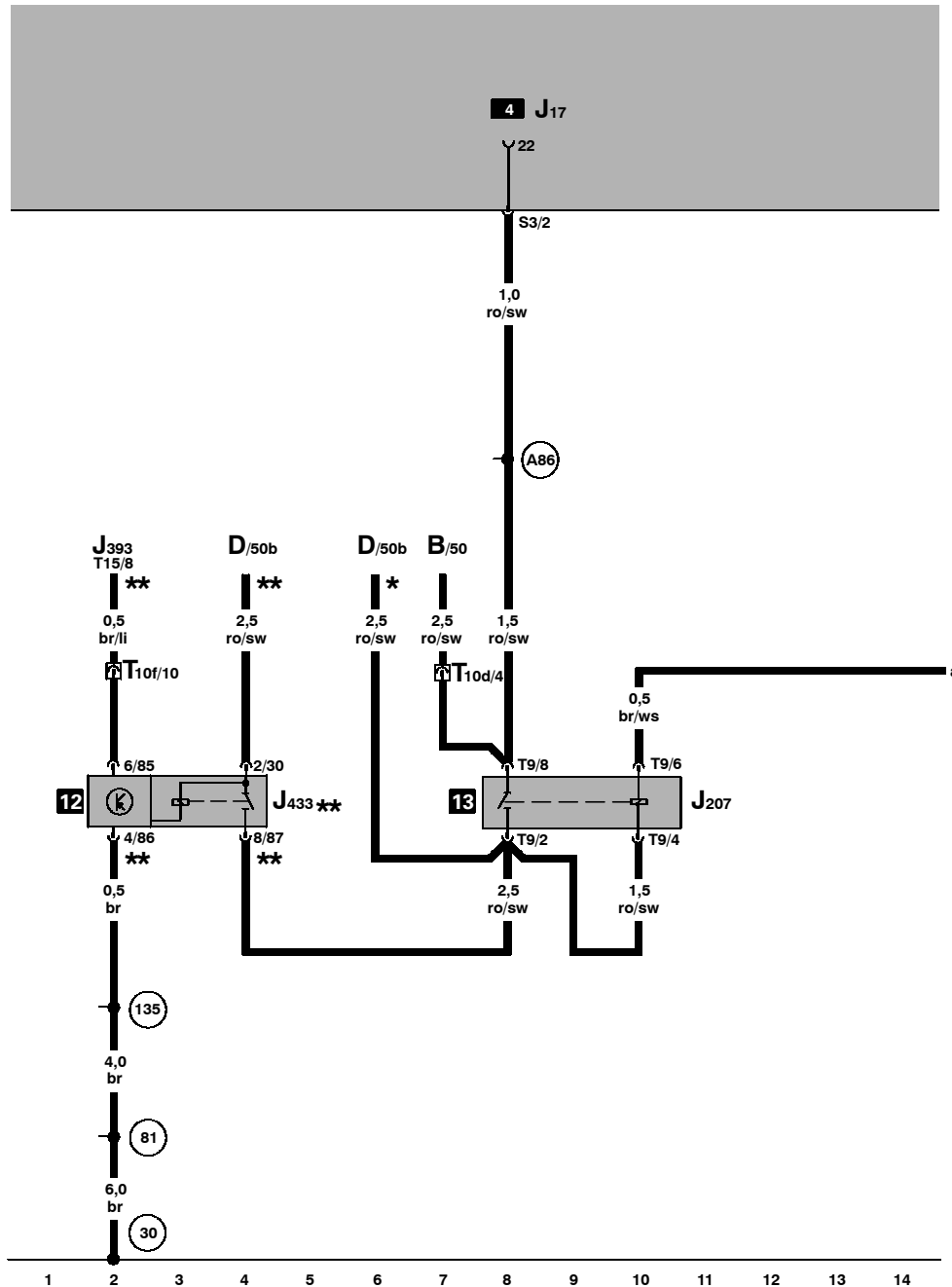
*Information for*

- ◆ *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*

**Starting Interlock Relay, Locking relay for starter (anti-theft immobilizer)**



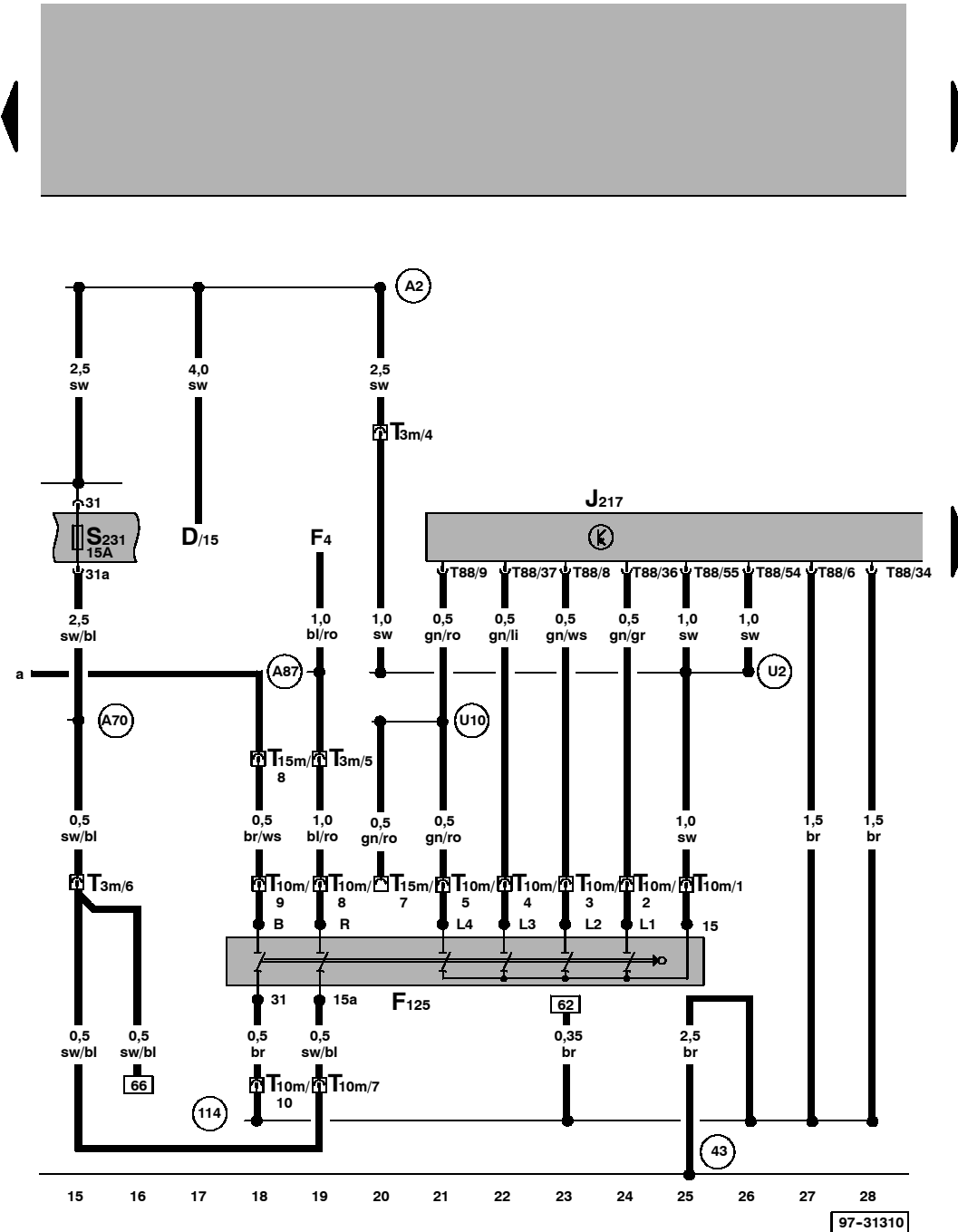
- B - Starter
- D - Ignition/Starter Switch
- J17 - Fuel Pump (FP) Relay
- J207 - Starting Interlock Relay
- J393 - Central control module for comfort system
- J433 - Locking relay for starter (anti-theft immobilizer)
- \*\*
- T9 - 9-Pin Connector, on Starting Interlock Relay
- T10d - 10-Pin Connector, brown, on protective housing for control module, in engine compartment, left
- T10f - 10-Pin Connector, blue, connector station A-pillar, left
- T15 - 15-Pin Connector, on Central control module for comfort system

- (30) - Ground connection -1-, beside fuse/relay panel
- (81) - Ground connection -1-, in instrument panel wiring harness
- (135) - Ground connection -2-, in instrument panel wiring harness
- (A86) - Connection (50a), in instrument panel wiring harness

- \* - from May 2003
- \*\* - through April 2003

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

**Multi-Function Transmission Range (TR) Switch, Transmission Control Module (TCM)**



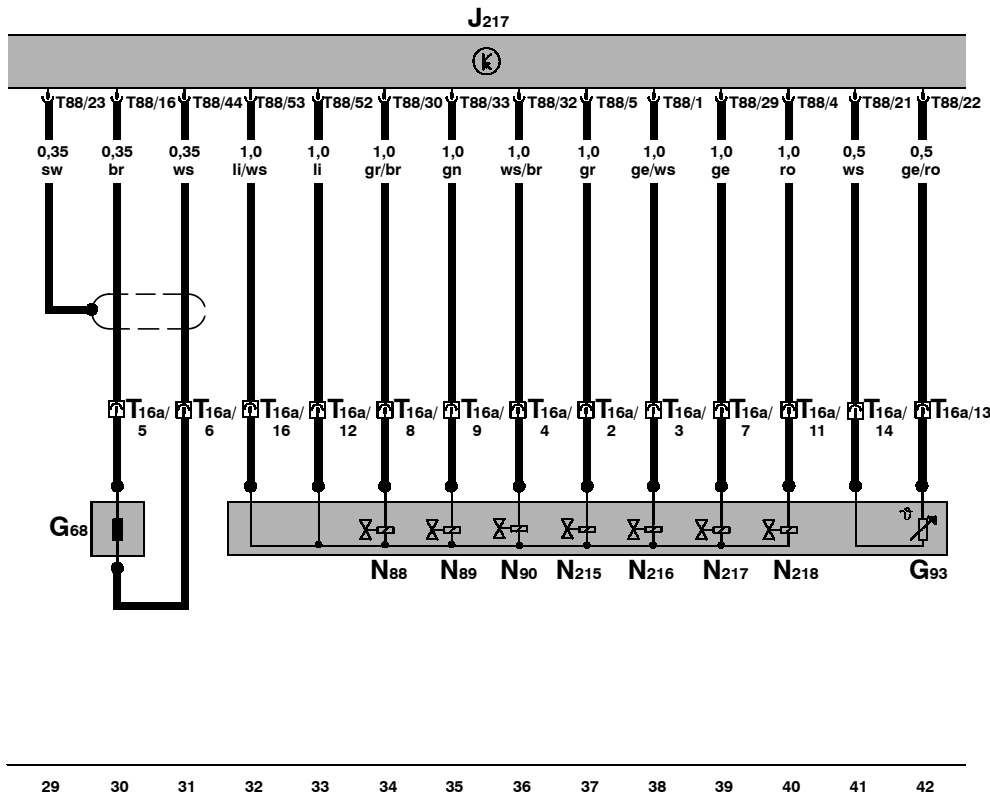
- D - Ignition/Starter Switch
- F4 - Back-Up Light Switch
- F125 - Multi-Function Transmission Range (TR) Switch
- J217 - Transmission Control Module (TCM)
- S231 - Fuse in fuse holder
- T3m - 3-Pin connector, brown, connector station A-pillar, right
- T10m - 10-Pin connector
- T15m - 15-Pin connector, brown, connector station A-pillar, right
- T88 - 88-Pin connector, on transmission control Module (TCM)
- (43) - Ground connection, on right A-pillar, lower part
- (114) - Ground connection, in automatic transmission wiring harness
- (A2) - plus connection (15), in instrument panel wiring harness
- (A70) - Connector (15a, fuse 231), in instrument panel wiring harness
- (A87) - Connector (reverse lamp), in instrument panel wiring harness
- (U2) - wire connection -1- (15), in automatic transmission wiring harness
- (U10) - Cruise Control Connection (in automatic transmission wiring harness)

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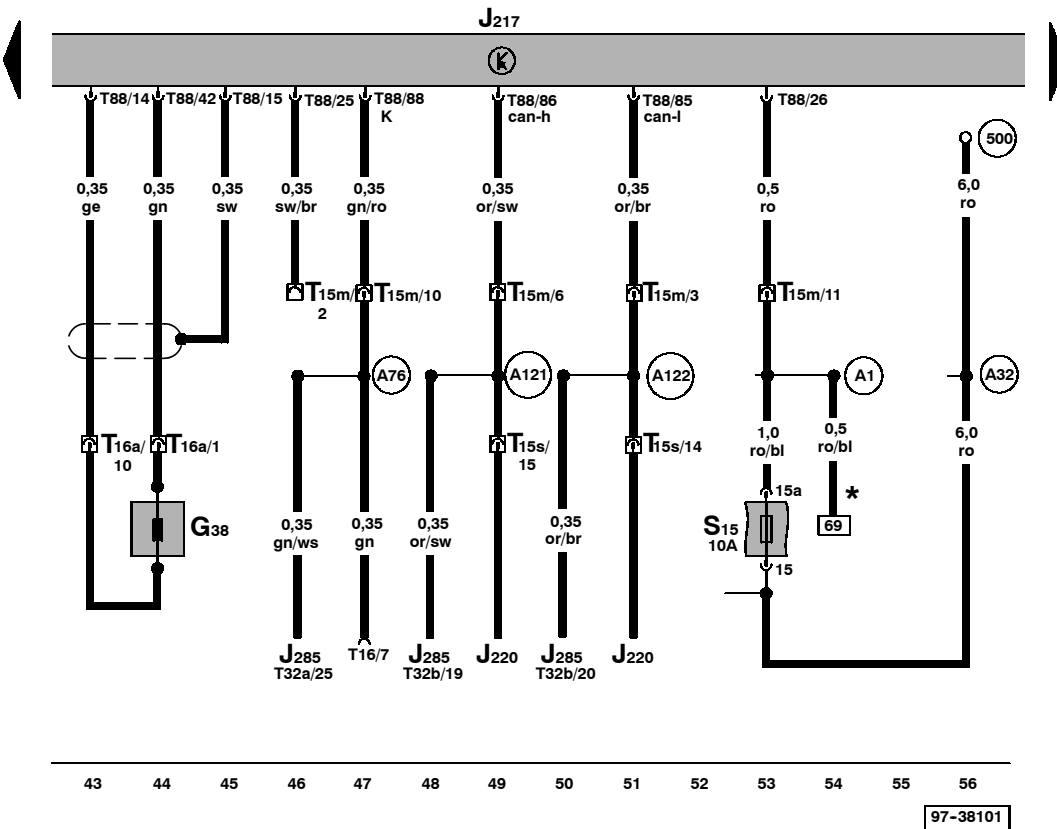
**Transmission Control Module (TCM), Transmission Fluid Temperature Sensor, Solenoid Valve 1-3, Pressure Control Valve 1-4, Vehicle Speed Sensor (VSS)**

- G68 - Vehicle Speed Sensor (VSS)
- G93 - Transmission Fluid Temperature Sensor
- J217 - Transmission Control Module (TCM)
- N88 - Solenoid Valve 1
- N89 - Solenoid Valve 2
- N90 - Solenoid Valve 3
- N215 - Pressure Control Valve 1 for Auto. Transmission
- N216 - Pressure Control Valve 2 for Auto. Transmission
- N217 - Pressure Control Valve 3 for Auto. Transmission
- N218 - Pressure Control Valve 4 for Auto. Transmission
- T16a - 16-Pin connector, on transmission
- T88 - 88-Pin connector, on transmission control Module (TCM)



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**Transmission Control Module (TCM), Transmission Vehicle Speed Sensor (VSS), below instrument panel**



- G38 - Transmission Vehicle Speed Sensor (VSS)
- J217 - Transmission Control Module (TCM)
- J220 - Motronic Engine Control Module (ECM)
- J285 - Control module with indicator unit in instrument panel insert

- S15 - Fuse
- T15m- 15-Pin connector, brown, connector station A-pillar, right
- T15s - 15-Pin connector
- T16 - 16-Pin connector, black, Data Link Connector (DLC), below instrument panel, left
- T16a - 16-Pin connector, on transmission
- T32a - 32-Pin connector, blue, on instrument cluster
- T32b - 32-Pin connector, green, on instrument cluster
- T88 - 88-Pin connector, on transmission control Module (TCM)

- (500) - Threaded connection -1- (30) on the relay plate
- (A1) - plus connection (30a), in instrument panel wiring harness
- (A32) - plus connection (30), in instrument panel wiring harness
- (A76) - Connector (K-diagnosis wire) in instrument panel wiring harness
- (A121) - Connection (high bus) in instrument panel wiring harness
- (A122) - Connection (low bus) in instrument panel wiring harness

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**Transmission Control Module (TCM), Selector Lever Light Relay, Tiptronic Switch, Warning light for selector lever position P/N**

- C - Generator (GEN)
- E1 - Light switch
- E20 - Instrument Panel Light Dimmer Switch
- F189 - Tiptronic Switch
- J217 - Transmission Control Module (TCM)
- J307 - Selector Lever Light Relay
- J443 - Locking diode for selector lever illumination
- K142 - Warning light for selector lever position P/N
- L101 - Illumination for selector lever scale
- N110 - Shift Lock Solenoid
- S3 - Fuse
- T10q - 10-Pin connector
- T15m- 15-Pin connector, brown, connector station A-pillar, right
- T88 - 88-Pin connector, on transmission control Module (TCM)

- (A3) - plus connection (58), in instrument panel wiring harness
- (A17) - wire connection (61), in instrument panel wiring harness
- (A19) - wire connection (58d), in instrument panel wiring harness
- (U3) - wire connection -1-, in automatic transmission wiring harness
- (U6) - Wire connection -2-, in automatic transmission wiring harness

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