

Technical Bulletin

Subject: Transmission, Erratic Shifting, No DTC's Stored in TCM Group: 01

Transmission Control Module (TCM) Number: 97-08
Model(s): All with 4 Speed Automatic Date: Sept. 9, 1997
Transmission (097)

Condition

Transmission holds shift too long, will not up-shift or will unnecessarily downshift.
No DTC's stored in TCM.

May be caused by an incorrect oil temperature sensor reading from the
"Conductor Strip with integrated Transmission Fluid Temperature Sensor" -G93-
(flex foil).

Service

To check for incorrect oil temperature sensor reading, perform the following (with engine cold):

- Connect VAG 1551/2 Scan Tool.
- Switch ignition ON and start engine.
- Press button -1- to select "Rapid Data Transfer" Mode.
- Press buttons -0- and -2- to enter Address word 02 "Transmission Electronics".
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- Press -Q- button to confirm entry.
- Press -+ button to advance program.
- Press buttons -0- and -8- to select Function 08 "Read measuring value block".
- Press -Q- button to confirm entry.
- Press buttons -0-, -0- and -5- to select display group number 005 "Read measuring value block".
- Press -Q- button to confirm entry.

Using iScan or VDSPro: Audi > Transmission > Data Stream > Data Block 005

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- Road test vehicle.

WARNING!

When road testing a vehicle, ALWAYS use a second Technician to operate the VAG 1551 Scan Tool.

Never place anything between you and the driver or passenger Airbag.

When condition occurs:

- Check channel 1 "ATF temperature".
 - Normal transmission fluid operating temperature is 110 C – 120 C.
 - At approx. 137 C the TCM goes into "hot running program".

Note:

Transmission oil temperature may also rapidly climb to a high temperature within the first few miles of driving.

If the VAG 1551 Scan Tool oil temperature reads approx. 137 C or higher:

- Press -+ button to advance program.
- Press buttons -0- and -6- to "end output".

Replace "Conductor Strip with integrated Transmission Fluid Temperature Sensor" -G93- (flex foil) as outlined in the appropriate Repair Manual.

See SRT for Part Identifier and Labor Operation for replacing flex foil.

- Road test vehicle to verify condition has been eliminated.