

Technical Bulletin



Condition

MIL Illuminated, DTC 17125, P0741 Stored In Transmission Fault Memory-No Driveability Concern

Malfunction Indicator Lamp (MIL) Illuminated, DTC PO741 17125 Clutch for torque converter bridging, no power transfer stored in fault memory, no driveability concern.

32 06 01 Aug. 17, 2006, 2011908

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat, Passat Wagon	2001 - 2004	AHA, ATQ (V6) BDP (W8)	01V (5 spd auto)	All	All
Phaeton	2004	BAP (W12)	01L (5 spd auto)	All	All

Technical Background

May be caused by torque converter internal oil seal failure (no external leaks).

Production Solution

Optimized shaft seal ring in the torque converter as of transmission serial numbers listed in table below

Vehicle	Transmission	Drivetrain	Serial #
Passat	01V	FWD	940540
		4 Motion	578274
Phaeton	01L	4 Motion	92440

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Service

Identify the transmission and record serial number on 5 and 6 speed Transmission Concern Form, see Repair Manual 5 Spd. Automatic Transmission 01L, 01V General, Technical Data, Transmission identification.

Vehicle Self-Diagnosis	02 - Gearbox electronics
Select	TCM Part Number
diagnosis function	TCM description & software level
	Coding XXXXX
	Dealership number XXXXX
02 - Interrogate fault memory	
03 - Final control diagnosis	
04 - Basic settings	
05 - Erase fault memory	
06 - End output	
07 - Code control unit	
08 - Read Measuring Value block	
09 - Reading individual measuring value	
10 - Adaption	
11 - Log-in procedure	
Update - Programming	
Test Instruments	Go to Print Help
01-A163	



Note:

The following tests must be performed and recorded before repairs.

- Engine running and at operating temperature.
- Check transmission fluid level, and **Only** if necessary, adjust per Repair Manual Group 37 – Automatic Transmission – Controls, Housing, ATF level, checking and topping off.
- Connect the VAS 5051 or 5052 diagnostic tool.
- From VAS 5051 VAS 5052 Start-up screen, select “Vehicle self diagnosis”.
- Select Diagnosis function “02-Gearbox electronics”.

Similar Screen Appears.

- Select diagnosis function “008 - Coding (Service 22).”

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Vehicle Self-Diagnosis			
Select	02 - Gearbox electronics		
Measured Value Block 7	TCM Part Number		
	TCM description & software level		
	Coding XXXX		
	Dealer ship number XXXXX		
Displ. Field 3	Conv. clutch (CC) status	Display Field 4	CC slip
CC Open		XX rpm	
CC Control		20 - 120 rpm	
CC Closed		0 - 10 rpm	

- Select Measured Value Block 7.



Note:

Vehicle must be driven in each gear for a minimum of 20 seconds.

- Test drive the vehicle (in gears 3-4-5) observe and record measured value block via guided function or self-diagnosis.

- Compared to screen print, when the torque converter clutch is in **CONTROL** and **CLOSED** modes:

If readings of converter clutch status (field 3) and respective allowable converter clutch slip (field 4) differ from ranges specified in the screen print **AFTER** 20 seconds of driving in each gear, the torque converter must be replaced.

Only remove the gearbox and replace the torque converter if the values differ.

- Refer to Repair Manual Group 37, Transmission removing and installing for transmission removal instructions.
- Refer to Repair Manual Group 32, Torque Converter for torque converter replacement instructions.
- 01L, 01V transmissions, built after serial codes listed in table, are fitted with an improved torque converter.



Note:

Care must be taken to properly install and seat the torque converter to the transmission pump. Failure to do so will result in immediate damage.



Tip:

It is not necessary to receive an authorization number from the Technicians Helpline for the repair described in this Bulletin.

Attach VAS 5051 / VAS 5052 print-out to repair order. Warranty claims received without VAS 5051 / 5052 print-outs may be denied.

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Warranty

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:	
Claim Type:	W2
Part Identifier:	3250
Damage Code:	3250 10 _ _ _ * 2
Labor Operation: R & I Transmission, Passat FWD	37351909 = 680 TU
Labor Operation: R & I Transmission, Passat 4-motion	37351912 = 740 TU
Labor Operation: R & I Transmission, Passat 8-cyl.	37351930 = 940 TU
Labor Operation: R & I Transmission, Phaeton	37351900 = 1480 TU
Labor Operation: Replace Torque Converter, Passat	32501950 = 10 TU
Labor Operation: Replace Torque Converter, Phaeton	32501950 = 10 TU
Labor Operation: Check Front & Rear Wheel Alignment	44950300 = 90 TU
Diagnostic Time: Test Drive	01210002 = 10 TU
Claim Comment: Input "As per Technical Bulletin 2011908" in comment section of Warranty Claim.	

* Code per warranty vendor code policy

Required Parts and Tools

No Special Tools required.

Always see ETKA for the latest part(s) information.