

Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Touareg	2009-2010	3.0L TDI (CATA)	All	All	All

Condition

01 14 18 August 6, 2014 2036376

Update Programming - Cylinder Contribution Faults P0263, P0266, P0269, P0272, P0275 and/or P0278 Stored in ECM Fault Memory

One or more of the following fault codes may be stored in the ECM Fault Memory:

DTC	Description
P0263	Cylinder 1 Contribution/Balance
P0266	Cylinder 2 Contribution/Balance
P2069	Cylinder 3 Contribution/Balance
P0272	Cylinder 4 Contribution/Balance
P0275	Cylinder 5 Contribution/Balance
P0278	Cylinder 6 Contribution/Balance

! Note:

DO NOT diagnose or replace components due to Cylinder Contribution/Balance faults **before** performing the update function as explained in this bulletin.

Technical Background

Diagnostic strategy too sensitive.

Technical Bulletin

Production Solution

Improved ECM software to address MIL ON concern.

Service

Update-Programming Procedure:



Tip:

To Update-Programming using SVM, **review and follow** instructions in **Technical Bulletin Instance 2014603** "Software Version Management".

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.



Note:

Prior to launching the VAS-PC and ODIS service diagnostic applications and starting control module update process, confirm tester screen saver and power settings in accordance with Special Tools and Equipment - Service Information Circular # VVT-12-02. Failure to do so may result in the tester entering power save mode during data transfer, and subsequent control module failure.

When using a VAS 6150/5051B or VAS 5052A tester in conjunction with a VAS 5054A wireless transmitter head for a flash procedure, please connect a USB cable between the transmitter head and the tester. Failure to do so may lead to errors during the flash procedure.

VAS tools must only be used with their power adapters plugged in. Under no circumstances should they be used on battery power alone during the programming procedure.

Critical Warning: : The Midtronics Battery Charger **must** be connected to the vehicle battery for the duration of the programming, to ensure the battery state of charge remains above 12.5 volts during the update process. If the battery drops below 12.5 volts, the programming could fail which may result in damage to the control module. Control modules damaged by inadequate voltage will not be covered under the warranty policy. The technician should verify the vehicle voltage prior to starting the update process, and should monitor the voltage for the duration of the update.

Technical Bulletin

- Update the Engine Control Module using the SVM Unit code as listed in the table below:

Model	Engine	Old ECM Software Part No.	Old ECM Software Version	New ECM Software Part No.	New ECM Software Version (or higher)	SVM Unit Code
Touareg	CATA	7L0907401K	0100 0080 0070 0050 0040 0030 0020 0010 Y752	7L0907401K	0110	331E
Touareg	CATA	7L0907401T	0090 0070 0060 0050 0040 0030 0020 0010	7L0907401T	0100	331E

The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.



Technical Bulletin

 **WARNING:**

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a risk that personal injury may result if contact is made with spinning fan blades.

Keep hands and all objects away from Radiator Fan(s) during Update Process!

 **Tip:**

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.

Ensure attached ECM/TCM Tuning Form has been completed and signed by customer as required in SVM Technical Bulletin Instance 2014603.



Technical Bulletin

Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Touareg	2009-2010	3.0L TDI (CATA)	All	All	All
SAGA Coding					
Claim Type:			Use applicable Claim Type ¹⁾		
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
2360	0039	--		Use applicable when indicated in ElsaWeb (L/R)	
Parts Manufacturer		Touareg		WVO ²⁾	
Labor Operation ³⁾ : Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾ : Update Programming			Included in GFF Time Expenditure below		
Causal Part: Select Labor Operation			01500000		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 100 TU max.		YES		
Road Test	01210002 = 00 TU 01210004 = 00 TU		NO		
Technical Diagnosis	01320000 = 00 TU		NO		
Claim Comment: Input "As per Technical Bulletin 2036376" in comment section of Warranty Claim.					
¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only					



Technical Bulletin

- ²⁾ Code per warranty vendor code policy.
- ³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.
- ⁴⁾ Documentation required per Warranty Policies and Procedures Manual.

Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with: ODIS Service with current online updates

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.