

Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Touareg	2004	3.2L (BAA)	All	All	All

Condition

01 07 52 June 11, 2007 2015134

Update Programming, MIL ON, DTCs P0420 and orP0430 Stored in ECM Fault Memory

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

DTC	Description
P0420	Catalyst System Efficiency Below Threshold, Bank 1
P0430	Catalyst System Efficiency Below Threshold, Bank 2



Note:

DO NOT diagnose or replace catalytic converters **before** performing the update function as explained in this bulletin.

Technical Background

The monitoring strategy for the catalytic converter is too sensitive causing unnecessary catalytic converter replacements.

Production Solution

Improved software makes the monitoring strategy more accurate.

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Service

PROCEDURE:

Engine Control Module Update - Programming (Flashing) using Software Version Management (SVM)

Vehicle requirements

Battery **MUST** have minimum no-load charge of 12.5V (failure to maintain voltage during update process can lead to ECM failure) (use an Volkswagen approved Midtronics/InCharge 940 (INC-940) tester/charger to maintain battery voltage).

VAS 5051: connected to vehicle and to 110V AC Power supply at all times during procedure.

VAS 5052: connected to vehicle with battery voltage requirements met.

Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.

When performing the update programming procedure, ALL DTCs for all systems are erased.

DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the update programming procedure first.



Note:

Non-observance of the following points may lead to ECM failure! VAS 5051 or VAS 5052 must always be connected to the approved power supply at the approved voltages. Under no circumstances should the power supply be interrupted or the diagnostic connector unplugged during the update programming procedure. Any appliances with high electromagnetic radiation (i.e. mobile phones) must be switched OFF.



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. For further update instructions and troubleshooting, refer to SVM Technical Bulletin Instance 2014603, in ElsaWeb.

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

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Touareg	3.2L (BAA)	022906032BF	All	022906032BF	9779	2097

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

- Reset readiness code.
- If the vehicle has a tuned ECM or TCM, ensure the Control Module Tuning Form has been filled out.



Note:

An Update Programming procedure (flash) may overwrite any "TUNED" ECM or TCM programming. A "TUNED" ECM or TCM is described as any ECM or TCM altered so as to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc.

Current Tuned ECM or TCM requirements: If you encounter a vehicle with a "Tuned" ECM or TCM, your dealership must do the following before performing any procedure that updates ECM or TCM programming:

- Notify the owner that their ECM or TCM was found to have been tuned
- Notify the owner any damage caused by the tuning of the ECM or TCM (including any adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.
- Obtain the owner's written consent (see attached Control Module Tuning form) for any requested repair under warranty or outside warranty that requires flashing, which will automatically overwrite the "Tuned" program.

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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual	
Claim Type:	Use applicable Claim Type**
Part Identifier:	2470
Damage Code:	2470 39 _ _ _ * 1
Labor Operation:	24702599 = 50 TU
Diagnostic Time:	No additional diagnostic time allowed
Claim Comment: Input "As per Technical Bulletin 2015075" in comment section of Warranty Claim.	

* Code per warranty vendor code policy.

** Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.

Required Parts and Tools

No Special Tools required.

No Special Parts required.

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.



OWNER INFORMATION ABOUT CONTROL MODULE TUNING* ACKNOWLEDGEMENT AND AUTHORIZATION FOR REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)

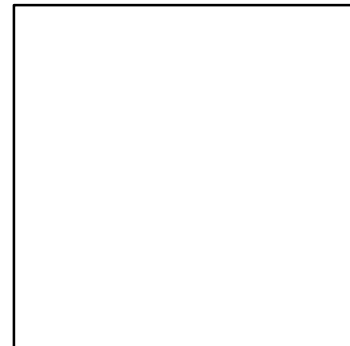
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc..

Date: _____

Dealer Number: _____

Vehicle Identification Number: _____

Repair Order Number: _____



Dealer stamp

I _____, owner or driver of the above identified Volkswagen, confirm:

☐ "Tuning" as described above (especially power increasing modifications) has NOT been performed on my vehicle.

☐ "Tuning" as described above has been performed on my vehicle and the following components were modified or installed:

TUNING was performed by (Please provide Company name and telephone number, if you wish us to contact them):

I understand that if my Control Module is determined to have been tuned, any damage caused by the tuning of the Control Module (including adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.

I am permitting an authorized Volkswagen Dealer to reflash (update) my Control Module, and by doing so, I understand that this process will automatically overwrite (destroy) and permanently delete any tuning program that was previously installed on the Control Module of my Volkswagen vehicle.

By signing below, I fully acknowledge and understand that the tuning program will not be restored and Volkswagen of America, Inc., will not be liable in any way for the loss of tuning data.

Signature of Customer