

# Technical Bulletin



Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Passat	2013	2.0L TDI (CKRA)	Manual (02E)	All	All
Passat	2013	2.0L TDI (CKRA)	DSG (02Q)	All	All

## Condition

01 12 26 September 24, 2012 2030455

**Update Programming MIL ON DTCs P0606, P1388 and or P2201 Stored in ECM Fault Memory**

MIL ON with NOx Sensor fault P2201 and/or Engine Control Module faults P1388, P0606 stored in fault memory.

## Technical Background

NOx sensor diagnostic strategy and ECM monitoring to sensitive.

## Production Solution

Improved ECM software with revised diagnostic and monitoring strategies implemented into production

## Service

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

Fault Code	Fault Description
P1388	Control Module Faulty
P0606	Control Module Processor Defect
P2201	NOx Sensor Circuit Range/Performance Bank 1 Sensor 1



**Note:**

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

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## 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 VAS-PC application 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.**

- 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
Passat	2.0L TDI with 02E	03L906012BN	2591, 2995 3379, 4429 4608	03L906012BN	4804	35F3
Passat	2.0L TDI with 02Q	03L906012BM	2592, 2996 3378, 4428 4607	03L906012BM	4824	35F3

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

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**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.

## Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup>					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Passat	2013	2.0L TDI (CKRA)	Manual (02E)	All	All
Passat	2013	2.0L TDI (CKRA)	DSG (02Q)	All	All
<b>SAGA Coding</b>					
Claim Type:	Use applicable Claim Type <sup>1)</sup>				
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)		
2360	0039	--	Use applicable when indicated in ElsaWeb (L/R)		
Parts Manufacturer	Passat				TX2 <sup>2)</sup>

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Labor Operation <sup>3)</sup> : Charge Battery		27068950 = 10 TU
Labor Operation <sup>3)</sup> : Update EDC Program		23602599 = 60 TU
Diagnostic Time <sup>4)</sup>		
GFF Time expenditure	01500000 = 20 TU max.	YES
Road Test	01210002 - 01210004	NO
Technical Diagnosis	0132xxxx = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2030453" in comment section of Warranty Claim.		
<p><sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only</p> <p><sup>2)</sup> Code per warranty vendor code policy.</p> <p><sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p><sup>4)</sup> Documentation required per Warranty Policy Procedures Manual.</p>		

## Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS-PC, 5051B, 5052A, 6150X (Base CD V19.01.00 and Brand DVD V19.18.00 or higher)

## Additional Information

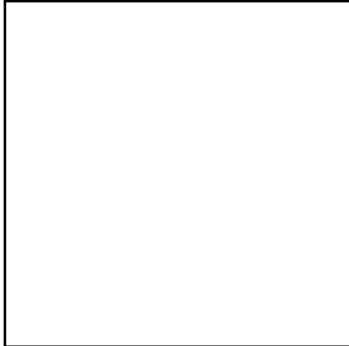
All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.



**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 Group of America / Volkswagen Group Canada.*

**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 VWGoA / VGC 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 VWGoA / VGC, will not be liable in any way for the loss of tuning data.

\_\_\_\_\_  
Signature of Customer