

Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2013-2014	2.0L (CPPA, CPLA)	All	All	All
Beetle, Beetle Convertible	2013-2014	2.0L (CPPA, CPLA)	All	All	All

Condition

01 15 01 January 14, 2014 2038575

Update Programming to Eliminate O2 Sensor DTC P2414 and/or P2237 along with O2 Sensor Replacement

Customer states the MIL light is ON, DTCs P2414 and/or P2237 may be present in the ECM fault memory.

DTC	Description
P2414	O2 Sensor Exhaust Sample Error, Bank 1 Sensor 1
P2237	O2 Sensor Positive Current Control Circuit Bank 1 Sensor 1 Open

Technical Background

Current ECM catalyst heating process may cause damage to the front oxygen sensor.

Production Solution

Optimize software.

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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 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/X or 6160/X 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.



Note:

O2 Sensor must be replaced after the ECM software has been updated.

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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 #	New Software Version (or higher)	SVM Unit Code
Jetta	CPLA	06K 906 070 T	4894 5139 5801 6059 6110 6282 6899 7643 8046	06K 906 070 T	8093	3AB9
Jetta	CPLA	06K 906 070	4052 4228 4241 4356 4475 4877 5134 5527 5780	06K 906 070 T	8093	3AB9
Beetle, Beetle Convertible	CPLA	06K 906 070 AA	4879 5136 5782 6061 6115 6271 6900	06K 906 070 AA	8098	3AB9

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			7648 8051			
Beetle, Beetle Convertible	CPLA	06K 906 070 A	4053 4236 4370 4878 5132 5222 5528 5781	06K 906 070 AA	8098	3AB9

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



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.

- After Update programming of the ECM has been completed, replace the front oxygen sensor per Elsa instructions.

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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
Jetta	2013-2014	2.0L (CPPA, CPLA)	All	All	All
Beetle, Beetle Convertible	2013-2014	2.0L (CPPA, CPLA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
2470	0039	--		Use applicable when indicated in ElsaWeb (L/R)	
Parts Manufacturer		Jetta		WWO ²⁾	
		Beetle, Beetle Convertible		3ME ²⁾	
Labor Operation ³⁾ : Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾ : Update Programming			Included in GFF Time expenditure below		
Labor Operation ³⁾ : Remove and Install Engine Cover			10831900 = 20 TU		
Labor Operation ³⁾ : Remove and Install Intake Pipe			21131970 = 10 TU		
Labor Operation ³⁾ : Remove and Install Front Oxygen Sensor			24691970 = 20 TU		
Causal Part: Oxygen Sensor			06K906262H		
Diagnostic Time ⁴⁾					

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GFF Time expenditure	01500000 = 50 TU max.	YES
Road Test	01210002 = 10 TU 01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2038575" in comment section of Warranty Claim.		
¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only 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

Part Description	Part Number
Front Oxygen Sensor	06K906262H

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
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.



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

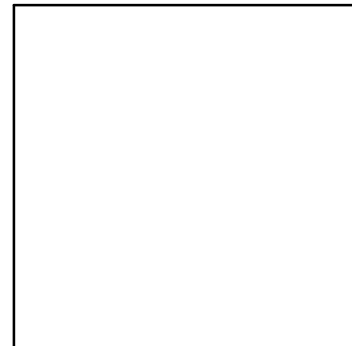
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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