



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 | 06K 906 070 T | 8093 | 3AB9 |
| | | | 5139 | | | |
| | | | 5801 | | | |
| | | | 6059 | | | |
| | | | 6110 | | | |
| | | | 6282 | | | |
| | | | 6899 | | | |
| | | | 7643 | | | |
| Jetta | CPLA | 06K 906 070 | 4894 | 06K 906 070 T | 8093 | 3AB9 |
| | | | 5139 | | | |
| | | | 5801 | | | |
| | | | 6059 | | | |
| | | | 6110 | | | |
| | | | 6282 | | | |
| | | | 6899 | | | |
| | | | 7643 | | | |
| Beetle, Beetle Convertible | CPLA | 06K 906 070 AA | 4879 | 06K 906 070 AA | 8098 | 3AB9 |
| | | | 5136 | | | |
| | | | 5782 | | | |
| | | | 6061 | | | |
| | | | 6115 | | | |
| | | | 6271 | | | |
| | | | 6900 | | | |
| | | | 8046 | | | |

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

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⁾ | | | | | |
|--|--|----------------------|---|--|--------------|
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| 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 | | WVO 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)**

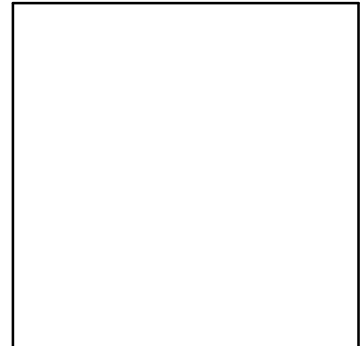
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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