



Technical Bulletin

Model(s)	Year	Engine Code	Trans. Code	VIN Range From	VIN Range To
Jetta Hybrid	2013-2014	1.4L (CNLA)	7spd Auto DSG (0CG) DQ200	All	All

Condition

01 13 20 July 31, 2013 2034844

Update Programming, Sporadic Misfire Faults Stored in ECM Fault Memory

One or more of the following fault codes may be stored in the Engine Control Module Fault Memory:

DTC	Description
P0300	Random/Multiple Cylinder Misfire Detected
P0301	Cy1 Misfire Detected
P0302	Cy2 Misfire Detected
P0303	Cy3 Misfire Detected
P0304	Cy4 Misfire Detected

 **Note:**

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

 **Tip:**

This software update is designed to re-program the ECM, Power Electronics Module, and/or Battery Management Control Module with new software. The re-programming itself should carry out the updates without technician intervention. Please ensure all control module software as applicable has been updated after the flash is completed.

Technical Bulletin

Technical Background

During normal operation of the Jetta Hybrid, the electric drive motor will be activated as a generator to charge the High Voltage Battery. Once the High Voltage battery has reached a 100% state of charge, the regenerative function will shut off and the electric drive motor load will be released. Under certain driving conditions, this release of load from the engine can result in sporadic misfire faults storing in the Engine Control Module fault memory.

Production Solution

Improved software implemented into production.

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** (Address Word 01) 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
Jetta Hybrid	CNLA	04E 906 023	All	04E 906 023	6364	384C

This SVM Unit Code also includes an update to the Power Electronics Control Module. If the control module software is already up to date, update programming will not be performed.

- Update the **Power Electronics Control Module** (Address Word 51) 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
Jetta Hybrid	CNLA	5C0 907 080 C	All	5C0 907 080 E	0535	384C
		5C0 907 080 D				
		5C0 907 080 E				

This SVM Unit Code also includes an update to the Battery Management Control Module. If the control module software is already up to date, update programming will not be performed.

- Update the **Battery Management Control Module** (Address Word 8C) 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
Jetta Hybrid	CNLA	5C6 915 182 B	0551	5C6 915 182 B	0601	384C

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
Jetta Hybrid	2013-2014	1.4L (CNLA)	7spd Auto DSG (0CG) DQ200	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 Hybrid				3ME ²⁾
Labor Operation ³⁾ : Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾ : Update Programming			24702599 = 40 TU		
Causal Part: Select Labor Operation			24702599		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 30 TU max.				YES
Road Test	01210002 = 00 TU 01210004 = 00 TU				NO
Technical Diagnosis	01320000 = 00 TU max.				NO
Claim Comment: Input "As per Technical Bulletin 2034844" in comment section of Warranty Claim.					



Technical Bulletin

- 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

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS 5051B, VAS 5052A, VAS 6150/X & VAS 6160/VPC with: VAS-PC Base V19.01.01 and current version Brand disc ODIS Service V1.1.3 or higher

Additional Information

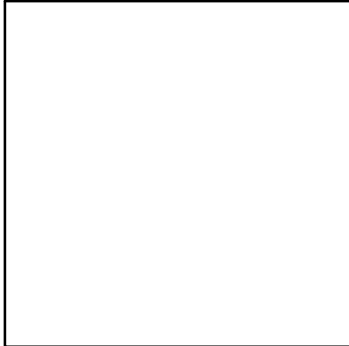
All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.



**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