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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 38 December 17, 2013 **2034844** <mark>Supersedes V011320 dated July 31, 2013 as software is fully released.</mark>

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.

ℹ **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.

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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.

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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.

- 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 MY13	CNLA	04E 906 023	All	04E 906 023	6808	384C
Jetta Hybrid MY14	CNLA	04E 906 023 G	All	04E 906 023 G	6807	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 5C0 907 080 D 5C0 907 080 E	All	5C0 907 080 E	0535	384C

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.

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- 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.

⚠️ **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 [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.					
[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/X with:** **ODIS Service 2.0.0 or higher 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.