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Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2014	1.8L (CPKA, CPRA)	All	All	All
Jetta	2013-2014	2.0L (CPPA, CPLA)	All	All	All
Beetle, Beetle Convertible	2013-2014	1.8L (CPKA, CPRA)	All	All	All
Beetle, Beetle Convertible	2013-2014	2.0L (CPPA, CPLA)	All	All	All
Passat	2014	1.8L (CPKA, CPRA)	All	All	All

Condition

01 14 16 July 29, 2014 **2037620**

Update Programming ECM to Correct Engine Load Calculations

Update Programming, for rough idle and/or stumbling. ECM may contain various fault codes.

Technical Background

Current ECM programing does not efficiently control engine valve timing causing stumbling and rough idle.

Production Solution

N/A.

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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 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.

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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
Beetle, Beetle Convertible	CPLA	06K 906 070 AA	4879 5136 5782 6061 6115 6271 6900 7648	06K 906 070 AA	8051	3AB9
Beetle, Beetle Convertible	CPPA	06K 906 070 AC	4887 5135 5784 6062 6116 6273 6902 7647	06K 906 070 AC	8050	3AB9
Beetle, Beetle Convertible	CPLA	06K 906 070 A	4053 4236 4370 4878 5132 5222 5528 5781	06K 906 070 AA	8051	3AB9

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Beetle, Beetle Convertible	CPPA	06K 906 070 C	4055 4238 4372 4889 5131 5530 5790	06K 906 070 AC	8050	3AB9
Beetle, Beetle Convertible	CPLA	06K 906 070 N	4059 4980 5798 6112 6279 7645	06K 906 070 N	8048	3AB9
Beetle, Beetle Convertible	CPLA	06K 906 070 P	4060 4240 4893 5089 5799 6113 6280 6897 7644	06K 906 070 P	8047	3AB9
Beetle, Beetle Convertible	CPLA	06K 906 070 R	4061 5137 5800 6114 6281 7646	06K 906 070 R	8049	3AB9

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Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Jetta	CPLA	06K 906 070 T	4894 5139 5801 6059 6110 6282 6899 7643	06K 906 070 T	8046	3AB9
Jetta	CPPA	06K 906 070 AB	4886 5138 5783 6060 6111 6272 6901 7642	06K 906 070 AB	8045	3AB9
Jetta	CPLA	06K 906 070	4052 4228 4241 4356 4475 4877 5134 5527 5780	06K 906 070 T	8046	3AB9
Jetta	CPPA	06K 906 070	4054	06K 906 070	8045	3AB9

		B	4237 4371 4493 4888 5133 5529 5789	AB		
Jetta	CPLA	06K 906 070 K	4056 4890 5142 5795 5804 6107 6276 7641	06K 906 070 K	8044	3AB9
Jetta	CPLA	06K 906 070 L	4057 4891 5141 5796 5805 6108 6277 7640	06K 906 070 L	8043	3AB9
Jetta	CPLA	06K 906 070 M	4058 4239 4373 4892 5140 5797 5806	06K 906 070 M	8042	3AB9

			6109 6278 7639			
Jetta	CPKA	06K 906 070 D	4906 5144 5387 5510 5791 6055 6117 6221 6274 6864	06K 906 070 D	7650	3AB9
Jetta	CPRA	06K 906 070 F	4907 5143 5388 5511 5792 6056 6118 6220 6275 6865	06K 906 070 F	7649	3AB9

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Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Passat	CPKA	06K 906 070 H	5573 5793 6057 6119 6866	06K 906 070 H	7652	3AB9
Passat	CPRA	06K 906 070 J	5574 6058 5794 6120 6867	06K 906 070 J	7651	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.

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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	2014	1.8L (CPKA, CPRA)	All	All	All
Jetta	2013-2014	2.0L (CPPA, CPLA)	All	All	All
Beetle, Beetle Convertible	2013-2014	1.8L (CPKA, CPRA)	All	All	All
Beetle, Beetle Convertible	2013-2014	2.0L (CPPA, CPLA)	All	All	All
Passat	2014	1.8L (CPKA, CPRA)	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	Passat		WWO [2]
	Jetta, Beetle, Beetle Convertible		3ME [2]
Labor Operation [3] : Charge Battery	27068950 = 10 TU		
Labor Operation [3] : Update ECM Programming	Included in GFF Time expenditure below		

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Causal Part: Select Labor Operation		01500000	
Diagnostic Time [4]			
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 2037620" 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) 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
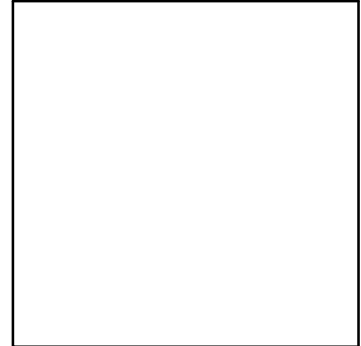# REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)

*) "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