



Technical Bulletin

Model(s)	Year(s)	Engine Code	Trans. Code	VIN Range From	VIN Range To
Jetta Jetta SportWagen, Golf, Golf Wagon, Passat, Beetle, Beetle Convertible	2011-2014	2.5L (CBTA, CBUA)	All	All	All

Condition

01 14 23 November 17, 2014 2034012 Supersedes Technical Bulletin V011406 dated March 13, 2014 to update affected Model Years.

Update Programming, MIL ON, DTC P0106 Manifold Absolute Pressure Range / Performance Stored in ECM Fault Memory

 **Tip:**

This software update also includes modifications for Idle control system diagnostic strategy and DMTL system diagnostic strategy

One or more of the following fault codes may be stored in the ECM Fault Memory (Address Word 01):

DTC	Description
P0106	Manifold Absolute Pressure Range / Performance
P0507	Idle Control System RPM Higher than Expected
P050A	Cold Start Idle Air Control System Performance

 **Note:**

DO NOT diagnose or replace components due to P0106 fault **before** performing the update function as explained in this bulletin.

DO NOT diagnose or replace the throttle valve or MAP sensor **before** performing the update function as explained in this bulletin.

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Technical Background

Monitoring strategy for the manifold absolute pressure sensor is too sensitive, causing P0106 to incorrectly set in the engine control module.

DO NOT replace any parts for this concern.

This condition as described does not affect vehicle performance or operation.

Production Solution

Improved software.

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.



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- Update the Engine Control Module using the SVM Unit Code as listed in the table below:

Engine	Old Part #	Old Software Version	New Part #	New Software Version	SVM Code
CBUA	07K 906 055 CQ	ALL	07K 906 055 CQ	5854	3723
CBUA	07K 906 055 DB	ALL	07K 906 055 DB	5855	3723
CBTA	07K 906 055 DF	ALL	07K 906 055 DF	5687	3723
CBTA	07K 906 055 DE	ALL	07K 906 055 DE	5688	3723
CBUA	07K 906 055 CP	ALL	07K 906 055 CP	5872	3723
CBUA	07K 906 055 CN	ALL	07K 906 055 CN	5873	3723
CBTA	07K 906 055 DK	ALL	07K 906 055 DK	5683	3723
CBTA	07K 906 055 DJ	ALL	07K 906 055 DJ	5684	3723
CBUA	07K 906 055 DA	ALL	07K 906 055 DA	5691	3723
CBUA	07K 906 055 CT	ALL	07K 906 055 CT	5692	3723
CBTA	07K 906 055 DH	ALL	07K 906 055 DH	5689	3723
CBTA	07K 906 055 DG	ALL	07K 906 055 DG	5690	3723
CBUA	07K 906 055 CR	ALL	07K 906 055 CR	5852	3723
CBUA	07K 906 055 CS	ALL	07K 906 055 CS	5853	3723
CBTA	07K 906 055 DD	ALL	07K 906 055 DD	5685	3723
CBTA	07K 906 055 DC	ALL	07K 906 055 DC	5686	3723
CBUA	07K 906 055 E	ALL	07K 906 055 E	5858	3723
CBUA	07K 906 055 D	ALL	07K 906 055 D	5859	3723
CBTA	07K 906 055 C	ALL	07K 906 055 DF	5687	3723
CBTA	07K 906 055 B	ALL	07K 906 055 DE	5688	3723

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CBUA	07K 906 055 CJ	ALL	07K 906 055 CJ	5862	3723
CBUA	07K 906 055 CH	ALL	07K 906 055 CH	5863	3723
CBTA	07K 906 055 A	ALL	07K 906 055 DK	5683	3723
CBTA	07K 906 055	ALL	07K 906 055 DJ	5684	3723
CBUA	07K 906 055 CL	ALL	07K 906 055 CL	5860	3723
CBUA	07K 906 055 CK	ALL	07K 906 055 CK	5861	3723
CBTA	07K 906 055 BC	ALL	07K 906 055 DH	5689	3723
CBTA	07K 906 055 BB	ALL	07K 906 055 DG	5690	3723
CBUA	07K 906 055 AL	ALL	07K 906 055 AL	5856	3723
CBUA	07K 906 055 AK	ALL	07K 906 055 AK	5857	3723
CBTA	07K 906 055 AN	ALL	07K 906 055 DD	5685	3723
CBTA	07K 906 055 AM	ALL	07K 906 055 DC	5686	3723
CBUA	07K 906 055 G	ALL	07K 906 055 CP	5872	3723
CBUA	07K 906 055 F	ALL	07K 906 055 CN	5873	3723
CBUA	07K 906 055 BE	ALL	07K 906 055 DA	5691	3723
CBUA	07K 906 055 BD	ALL	07K 906 055 CT	5692	3723

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

 **Tip:**

Upon completion of software update, verify Cruise Control function (if originally equipped) is activated via GFF Function Test Plan 01 – Activate/Deactivate Cruise Control System.

 **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!

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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, Jetta SportWagen, Golf, Golf Wagon, Passat, Beetle, Beetle Convertible	2011-2014	2.5L (CBTA, CBUA)	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	Golf, Passat		WWO ²⁾		
	Jetta, Jetta SportWagen, Golf Wagon, Beetle, Beetle Convertible		3ME ²⁾		
Labor Operation ³⁾ : Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾ : Update Programming			24702599 = 40 TU		
Causal Part: Select Labor Operation			24702599		



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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 2034012" 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 Policy 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

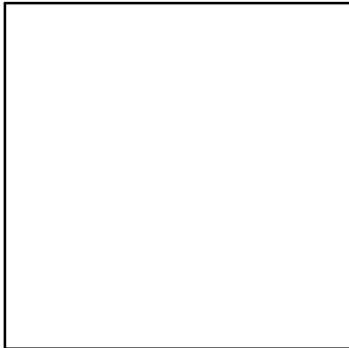
All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.



**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