



01-21-03 - Various Engine/Motor Control Module -J623- Software Updates

Release date: 2/4/21

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Golf SportWagen	2019	1.4L (DGXA)	All	All	All
Golf	2019	1.4L (DGXA)	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2061990/1	01/4/21	01-21-03	Original publication.



Tip:

This software update also includes modification for: P2181, P0410, P0491, P0133, P0135 and P0111 DTCs.

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

DTC	Description
P2181	Cooling System Performance
P0410	Sec.Air Inj.Sys. Malfunction
P0491	Secondary Air Injection System (Bank 1) insufficient flow
P0133	O2 Sensor Circ.,Bank1-Sensor1 Slow Response
P0135	O2 Sensor Heater Circ.,Bank1-Sensor1 Malfunction
P0111*	Intake Air Temperature Sensor 1 Bank 1 Circuit Range/Performance



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**Note:**

DO NOT diagnose or replace components due to P2181, P0410, P0491, P0133, P0135 and P0111* faults **before** performing the update function as explained in this bulletin.

**Note:**

***If the vehicle has fault code P0111, additional steps are required below.**

Technical Background

Current Engine/Motor Control Module -**J623**- software can lead to various fault codes within the vehicle.

This technical bulletin requires an additional step if P0111 is stored in the ECM, details below.

Production Solution

Improved Engine/Motor Control Module -**J623**- software.

Service

Update-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.

**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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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 Diagnostic Device Hardware & Windows® - VHW-20-02 Change Power Options After Windows®10 Upgrade. 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 6154 wireless transmitter head for a flash procedure, 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.

Tip:

To Update-Programming using Software Version Management (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 or action is carried out that is not explicitly stated in the Technical Bulletin.

- 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 No.	New Software Version (or higher)	SVM Unit Code
Golf SportWagen	DGXA	04E 906 024 S	5804	04E 906 024 S	9970	456C
			6130			
6547						
6655						
6814						
6999						
7297						
7467						
		04E 906 024 K	4204	04E 906 024 K		



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			4393			
			4401			
			6129			
			6545			
			6652			
			6811			
			6998			
			7296			
			7466			
			9904			



Tip:

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

Ensure attached ECM/TCM Tuning Form has been completed and signed by customer as required in SVM Technical Bulletin Instance 2014603.

- If P0111 was stored in the ECM, and after updating the ECM software, install a hood silencer onto the vehicle according to 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⁾

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Golf SportWagen	2019	1.4L (DGXA)	All	All	All
Golf	2019	1.4L (DGXA)	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	-	-		
Parts Manufacturer	Golf, Golf SportWagen				3ME ²⁾
Labor Operation ³⁾: Charge Battery		27068950 = see ELSA for latest time units.			
Labor Operation ³⁾: Update Programming ECM Control Module		24705599 = 50 TU			
Labor Operation ³⁾: Install Hood Silencer (only required for P0111 fault code)		70041999 = 10 TU			
Causal Part:		27068950			
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = Actual GFF print out				NO
Road Test	01210004 = 10 TU				YES
Technical Diagnosis	01320000 = 00 TU max.				NO
Claim Comment: Input "As per Technical Bulletin 2061990" in comment section of Warranty Claim.					



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- 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



Note:

* Part only required if P0111 was stored in the ECM.

Part No:	Part Description	Quantity
5GM-863-831*	Hood Silencer	1

Part numbers are accurate at time of publication. Always refer to ETKA for the latest part information.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	GRX3000VAS or MTRMSP0702 battery maintainer/charger
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with current online updates

Additional Information

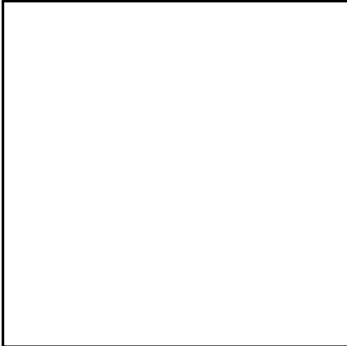
All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.



**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