

01-22-02 - Mid Production - Update Programming Engine/Motor  
Control Module -J623-

Release date: 3/24/2022

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## Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2019 - 2020	1.4T DGXA, DJXA	All	All	All
Golf	2020 - 2021	1.4T DGXA	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2065992/2	3/24/22	01-22-02	Title change due to sister TB publishing.
2065992/1	2/03/22	01-22-02	Original publication.

Customer states there is low or no heat output from the air vents under certain cold weather conditions.

This TB also proactively corrects faults listed below.

**Note:**

**If the customer is experiencing a low/no heat output concern and the ECM part number and software level are not listed below please also check Technical Bulletin 2065975.**

**Tip:**

This software update also includes modification for: P0441 P04F0 P148D P0496 and P060C (37682) DTCs.

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

DTC	Description
P0441	EVAP Emission Contr.Sys.Incorrect Purge Flow
P04F0	EVAP system high pressure purge line performance
P0148	Evaporative Emission System Leak Detection Pump implausible frequency
P0496	EVAP System High Purge Flow
P060C (37682)	Internal Control Module Main Processor Performance

**Note:**

**DO NOT** diagnose or replace components due to DTCs P0441, P04F0, P148D, P0496, P060C (37682) faults **before** performing the update function as explained in this bulletin.

## Technical Background

Current Engine/Motor Control Module -J623- software can cause low engine heat output or may lead to various fault codes within the vehicle.

## Production Solution

Improved Engine/Motor Control Module -J623- software.



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## 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.

The procedure may cancel itself if the hazard warning lights are not switched ON. The hazard warning lights prevent the system from switching to bus sleep mode during the update.

ODIS-Service tester should be updated to the latest GFF technical version 9.0.1 or higher and SW version 2.44.1 or higher.



### 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!



### 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.



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

**Jetta**

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Jetta	1.4T DGXA	04E 906 024 AG	5854 6549 6657 6810 6995 7295 7464 9910 9970	04E 906 024 AG	9971	4846
Jetta	1.4T DGXA	04E 906 024 R	5852 6546 6651 6808 6994 7293 7461 9907 9970	04E 906 024 R	9971	4846
Jetta	1.4T DGXA	04E 906 024 AF	5853 6548 6809 6993 7294 7463	04E 906 024 AF	9971	4846



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			9909 9970			
Jetta	1.4T DJXA	04E 906 024 C	Z720 4214 6127 6551 6653 6812 6997 7298 7462 9902 9970	04E 906 024 C	9971	4846
Jetta	1.4T DJXA	04E 906 024 M	Z720 4215 6128 6550 6658 6813 6996 7299 7465 9906 9970	04E 906 024 M	9971	4846
Jetta	1.4T DGXA	04E 906 024 AR	Z843 7257 9509 9911 9970	04E 906 024 AR	9971	4846



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Jetta	1.4T DJXA	04E 906 024 AS	Z843 7258 9510 9912 9970	04E 906 024 AS	9971	4846
Jetta	1.4T DJXA	04E 906 024 AT	Z843 7259 9511 9913 9970	04E 906 024 AT	9971	4846

**Golf**

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Golf	1.4T DGXA	04E 906 024 S	5804 6130 6547 6655 6814 6999 7297 7467 9908 9970	04E 906 024 S	9971	4846
Golf	1.4T DGXA	04E 906 024 K	4204 4393 4401 6129 6545	04E 906 024 K	9971	4846



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			6652 6811 6998 7296 7466 9904 9970			
Golf	1.4T DGXA	04E 906 024 AD	Z843 7256 9508 9939 9970	04E 906 024 AD	9971	4846
Golf	1.4T DGXA	04E 906 024 AC	Z843 7255 9507 9938 9970	04E 906 024 AC	9971	4846
Golf	1.4T DGXA	04E 906 024 BL	Z939 0654	04E 906 024 BL	2047	4846
Golf	1.4T DGXA	04E 906 024 BK	Z939 0655	04E 906 024 BK	2046	4846

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



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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 <sup>1)</sup>

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta	2019 - 2020	1.4T DGXA DJXA	All	All	All
Golf	2020 - 2021	1.4T DGXA	All	All	All
<b>SAGA Coding</b>					
<b>Claim Type:</b>	Use applicable Claim Type <sup>1)</sup>				
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>	<b>Damage Location (Depends on Service No.)</b>		
2470	0039	--	Use applicable when indicated in Elsa (L/R)		
<b>Parts Manufacturer</b>	Jetta, Golf			3ME <sup>2)</sup>	
<b>Labor Operation <sup>3)</sup> : Charge Battery</b>		27068950 = See Elsa for latest time units			
<b>Labor Operation <sup>3)</sup> : Update Programming ECM Control Module</b>		24705599 = 50 TU max			
<b>Causal Part:</b>		27068950			
<b>Diagnostic Time <sup>4)</sup></b>					
<b>GFF Time expenditure</b>	01500000 = Actual GFF print out			NO	
<b>Road Test</b>	01210004 = 10 TU			YES	
<b>Technical Diagnosis</b>	01320000 = 00 TU max.			NO	
<b>Claim Comment:</b> Input "As per Technical Bulletin 2065992" 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

No Special Parts required.

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

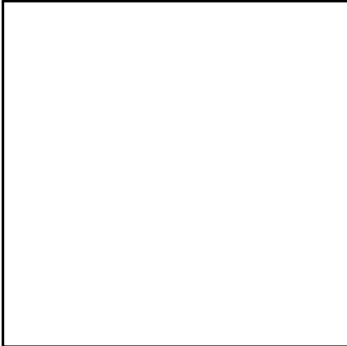
All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.



**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