



01-21-01 - Update Programming Engine/Motor Control Module -J623-, Release date: 01/11/2021  
 Various Fault Codes Stored

## Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2019	1.4 L (DGXA)	All	BU_KM000001	BU_KM104615

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
6060925/1	1/XX/2021	01-21-XX	Original publication.

**Tip:**

This software update also includes modification for: P2279, P0133, P2181, P0111, 00FE, P0196, P0135, P04F0, P0606, P060C, P0125, P02CC, P02CD, P02CE, P02CF, P02D0, P02D1, P02D2, P02D3, P0301, P0302, P0303, P0304, P0420, P050B, P13EA, P068A, P2431 and U1008.

One or more of the following fault codes may be stored in the Engine/Motor Control Module -**J623**- Fault Memory:

DTC	Description
P2279	Intake Air System Leak
P0133	O2 Sensor Circ.,Bank1-Sensor1 Slow Response
P2181	Cooling System Performance
P0111	Intake Air Temperature Sensor 1 Bank 1 Circuit Range/Performance
P00FE	EVAP System Purge Vapor Line Restricted/Blocked
P0196	Engine Oil Temperature Sensor Circuit range/performance
P0135	O2 Sensor Heater Circ.,Bank1-Sensor1 Malfunction
P04F0	EVAP system high pressure purge line performance



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P0606	ECM/PCM Processor
P060C	Internal Control Module Main Processor Performance
P0125	Insufficient Coolant Temp. for Closed Loop Fuel Control
P02CC	Cylinder 1 Fuel Injector Offset Learning At Min Limit
P02CD	Cylinder 1 Fuel Injector Offset Learning At Max Limit
P02CE	Cylinder 2 Fuel Injector Offset Learning At Min Limit
P02CF	Cylinder 2 Fuel Injector Offset Learning At Max Limit
P02D0	Cylinder 3 Fuel Injector Offset Learning At Min Limit
P02D1	Cylinder 3 Fuel Injector Offset Learning At Max Limit
P02D2	Cylinder 4 Fuel Injector Offset Learning At Min Limit
P02D3	Cylinder 4 Fuel Injector Offset Learning At Max Limit
P0301	Cyl.1 Misfire Detected
P0302	Cyl.2 Misfire Detected
P0303	Cyl.3 Misfire Detected
P0304	Cyl.4 Misfire Detected
P0420	Catalyst System,Bank1 Efficiency Below Threshold
P050B	Cold Start Ignition Timing Performance
P13EA	Cold Start Ignition Timing Performance Off Idle
P068A	ECM/PCM Power Relay De-Energized Performance - Too Early
P2431	Secondary Air Injection System Air Flow/Pressure Bank 1 Sensor Circuit Range/Performance
U1008	Diagnostic interface for data bus Read out DTC

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 **Note:**

**DO NOT** diagnose or replace components due to P2279, P0133, P2181, P0111, 00FE, P0196, P0135, P04F0, P0606, P060C, P0125, P02CC, P02CD, P02CE, P02CF, P02D0, P02D1, P02D2, P02D3, P0301, P0302, P0303, P0304, P0420, P050B, P13EA, P068A, P2431 or U1008 faults **before** performing the update function as explained in this bulletin.

## Technical Background

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

## Production Solution

Improved Engine/Motor Control Module -**J623**- software as of VIN break 3VWG57BU8KM104615.

## 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!

 **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.



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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/Motor Control Module -J623- 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	1.4T (DGXA)	04E 906 024 D	Z712	04E 906 024 D	9970	4554
			4213			
			5700			
Jetta	1.4T (DGXA)	04E 906 024 B	5827	04E 906 024 B	9970	4554
			6376			
			7003			
Jetta	1.4T (DGXA)	04E 906 024 L	9903	04E 906 024 L	9970	4554
			Z712			
			4212			
Jetta	1.4T (DGXA)	04E 906 024 B	5594	04E 906 024 B	9970	4554
			5825			
Jetta	1.4T (DGXA)	04E 906 024 D	6374	04E 906 024 D	9970	4554
			7002			
Jetta	1.4T (DGXA)	04E 906 024 L	9901	04E 906 024 L	9970	4554
			5595			



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			5826			
			6375			
			7001			
			9905			



**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.

### Warranty

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta	2019	1.4 L (DGXA)	All	BU_KM000001	BU_KM104615
<b>SAGA Coding</b>					
<b>Claim Type:</b>		<b>Use applicable Claim Type <sup>1)</sup></b>			
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>		<b>Damage Location (Depends on Service No.)</b>	
2470	0039	--		--	
<b>Parts Manufacturer</b>		Jetta		3ME <sup>2)</sup>	
<b>Labor Operation <sup>3)</sup>: Charge Battery</b>			27068950 = 10 TU		
<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>					



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<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 2060925" in comment section of Warranty Claim.		
<p>1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.</p> <p>2) Code per warranty vendor code policy.</p> <p>3) Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>4) Documentation required per Warranty Policies and Procedures Manual.</p>		

### Required Parts and Tools

<b>Tool Description</b>	<b>Tool No:</b>
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)**

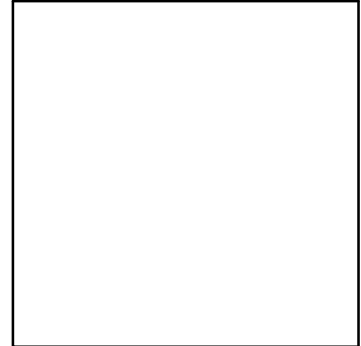
\*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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