



01-23-08 - Update Programming Various EVAP Fault Codes Stored in Engine/Motor Control Module -J623-

Release date: 10/9/2023

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Taos	2022-2023	1.5T (DNKA)	All	B2_NM000001	B2_PM361324
Jetta	2022-2023	1.5T (DNKA)	All	BU_NM000001	BU_PM044044

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2070690/3	10/9/2023	01-23-08	To include MY 2022 models and software.
2070690/2	08/29/2023	01-23-08	To correct the engine code include VIN ranges and include additional old software versions.
2070690/1	08/17/2023	01-23-08	Original publication.

Customer states MIL-ON with various fault codes found in the Updated Engine/Motor Control Module - J623-.

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Technical Background

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

DTC	Description
P2421	EVAP System Vent Valve Stuck Open
P2422	EVAP System Vent Valve Stuck Closed
P2025	EVAP Fuel Vapor Temperature Sensor Performance
P24D6	EVAP System Pressure Sensor/Switch "B" Circuit Range/Performance
P2B7B	EVAP System Pressure Sensor/Switch "C" Circuit Range/Performance
P0456	EVAP Emission Contr. Sys. (very small Leak) Leak Detected
P0169	Incorrect Fuel Composition active/static
P30C0	Fuel quality poor active/static

**Note:**

DO NOT diagnose or replace components due to P2421, P2422, P2025, P24D6, P2B7B, P0456, P0169 and/or P30C0 faults **before** performing the update function as explained in this bulletin.

Production Solution

Updated Engine/Motor Control Module -J623- software introduced in production.

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.

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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 11.0.0 or higher and SW version 2.47.0 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.

- Update the Engine/Motor Control Module -J623- using the SVM Unit code as listed in the table below:



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MY23 Software Table:

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Taos	1.5T DNKA	05E906013BC	3109	05E906013BC	3314	4C6D
			2645			
			2495			
			2251			
			1845			
05E906013BD	3110	05E906013BD	2646	3315		
			2496			
			2252			
			1846			
			05E906013BF		3113	05E906013BF
2515						
2336						
2136						
05E906013BH	3114	05E906013BH		2650		
			2516			
			2339			
			2137			
			05E906013BE	3111	05E906013BE	2647
2497						
2253						
1847						



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		05E906013BG	3112 2649 2498 2254 1848	05E906013BG	3318	
Jetta	1.5T DNKA	05E906013BA	3117 2643 2494 2301 1843	05E906013BA	3322	4C6D
		05E906013BB	3116 2644 2493 2302 1844	05E906013BB	3321	
		05E906013AT	3115 2642 2492 2300 1842	05E906013AT	3320	

MY22 Software Table:

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Taos	1.5T DNKA	05E.906.013.B	3118 2635 2530 1934	05E.906.013.B	3308	4CB9



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			1794 1623 1521 1310 0604 0510 0439			
		05E.906.013.E	3119 2638 2532 1935 1624 1522 1311 0833 0442 0605 0511	05E.906.013.E	3311	4CB9
		05E.906.013.C	3120 2636 2531 1936 1795 1546 1308 0836 0636	05E.906.013.C	3309	4CB9
		05E.906.013.F	3121 2639	05E.906.013.F	3312	4CB9



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			2533 1937 1547 1309 0835 0637			
Jetta	1.5T DNKA	05E.906.013.A	3133 2634 2527 2426 2304 2150 1930 1288 0948	05E.906.013.A	3307	4CB9
		05E.906.013.D	3132 2637 2528 2425 2305 1929 1289 0963	05E.906.013.D	3310	4CB9
		05E.906.013	3131 2633 2526 2424 2303	05E.906.013	3306	4CB9



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			1927			
			1287			
			0947			



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.



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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
Taos	2022-2023	1.5T (DNKA)	All	B2_NM000001	B2_PM361324
Jetta	2022-2023	1.5T (DNKA)	All	BU_NM000001	BU_PM044044

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 Elsa (L/R)

Parts Manufacturer	Taos / Jetta	3ME 2)

Parts Manufacturer	Taos / Jetta	3ME 2)

Labor Operation 3): Charge Battery 27068950 = See Elsa for latest time units

Labor Operation 3): Update Programming Engine/Motor Control Module -J623- 24705599 = 50 TU max

Causal Part: 24705599

Diagnostic Time 4)

GFF Time expenditure	01500000 = 00 TU	NO

Road Test	01210004 = 10 TU	YES

Technical Diagnosis	01320000 = 00 TU	NO

Claim Comment: Input "As per Technical Bulletin 2070690" in comment section of Warranty Claim.

1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.



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- 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

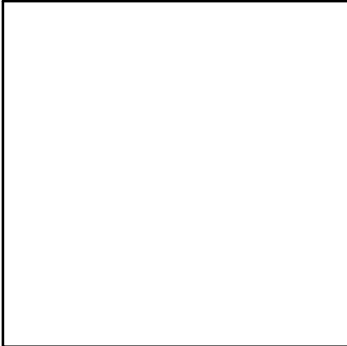
All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.



**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