

Customer statement / workshop findings

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Taos	2022 - 2024	1.5T (DNKA)	All	All	All
Jetta	2022 - 2024	1.5T (DNKA)	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2078029/1	06/12/25	01-25-xx	Original publication.

Customer states MIL-ON with P0456 found in the Engine/Motor Control Module -J623-.

Technical background

The following fault code must be stored in the Engine/Motor Control Module -J623- (ECM) Fault Memory:

DTC	Description
P0456	EVAP Emission Contr. Sys. (very small leak) Leak Detected

NOTICE
DO NOT diagnose or replace components before performing the procedure below.

Production change

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

Measure

MY-2022-23: PROCEED TO STEP 1

MY-2024 ONLY: PROCEED DIRECTLY TO STEP 3

STEP 1: Check currently installed software part # and version against table below.

If necessary, perform update found in Step 2. If vehicle software is already up to date, proceed to Step 3.

STEP 2: Update-Programming Procedure:

WARNING

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 pr 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 procedure.
- ODIS-Service Service tester should be updated to the latest GFF technical version 25.0.2 or higher and SW version 2.53.1 or higher

CAUTION

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.

NOTICE

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.



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:

MY- 2023 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	3315	
			2646			
			2496			
			2252			
			1846			
		05E906013BF	3113	05E906013BF	3317	
			2648			
			2515			
			2336			
			2136			
		05E906013BH	3114	05E906013BH	3319	
			2650			
			2516			
			2339			
			2137			
05E906013BE	3111	05E906013BE	3316			

			2647 2497 2253 1847			
		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	

MY-2022 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 1794 1623 1521 1310 0604 0510 0439	05E.906.013.B	3308	4CB9
		05E.906.013.E	3119 2638 2532 1935 1624 1522 1311	05E.906.013.E	3311	4CB9

			0833 0442 0605 0511			
		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 2533 1937 1547 1309 0835 0637	05E.906.013.F	3312	4CB9
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 1927 1287 0947	05E.906.013	3306	4CB9



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.

STEP 3: Perform tank integrity test:

Under the Self-diagnosis tab: 0001 – Engine Electronics > Control module OBD > Basic setting > Fuel tank integrity test > Add measured values IDE 07257 “tank pressure from leakage diagnosis, calculated” and IDE 05622 “Status of tank leak diagnosis with electrical diagnostic pump” > Start test.



The Test may take up to 15 minutes to complete. After starting test, status should change to “routine active”.

If routine ends successfully with “correct result” no further action is required. If routine ends successfully with “incorrect result” proceed to Step 4.

STEP 4: Inspect, and if necessary, replace purge line with -N80-

Focus special attention to the area circled in Figure 1.

Figure 1:

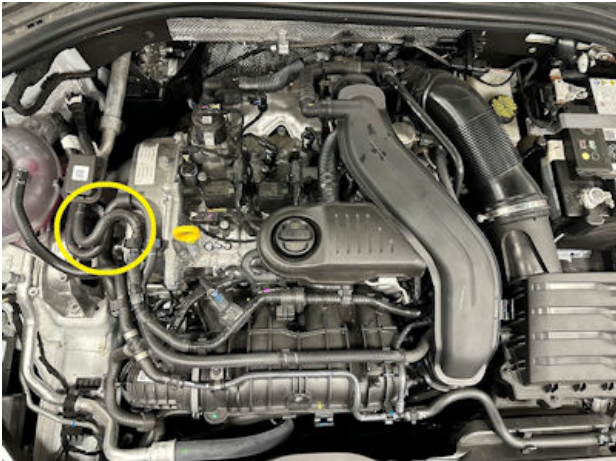
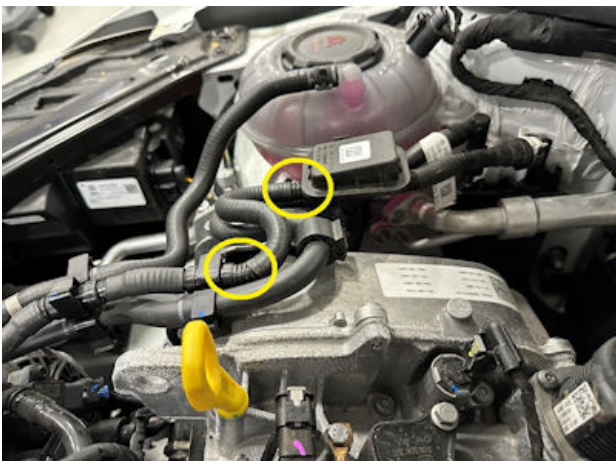


Figure 2 highlights two sections of the purge line from figure 1 that are prone to cracking.

Figure 2:



If a leak is found from the corrugated purge line (shown above) remove and replace the component.

If a leak is not identified from the corrugated purge line, further diagnosis is required. In this case, this TSB no longer applies.

Warranty accounting instructions

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- 2024	1.5T (DNKA)	All	All	All
Jetta	2022- 2024	1.5T (DNKA)	All	All	All
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)		
2024 (If ACF valve is replaced)	0050	--	--		
2470 (If SVM update was performed without ACF valve replacement)	0039	--	--		
Parts Manufacturer		Taos / Jetta	3ME ²⁾ DKN (If ACF valve is replaced)		
Labor Operation ³⁾ : Charge Battery			27068950 = See Elsa for latest time units		
Labor Operation ³⁾ : Tank integrity test			20105599 = 25 TU		
Labor Operation ³⁾ : Update Programming Engine/Motor Control Module -J623- (Only if SVM update is required)			24705599 = 50 TU		
Labor Operation ³⁾ : ACF valve remove+reinstall (Only if ACF valve is replaced)			20241945 = See ELSA for latest time units		
Causal Part: (If ACF valve is replaced)			05E133366BK		
Causal Part: (If SVM update was performed without ACF valve replacement)			24705599		
Causal Part: (If SVM update was not performed and ACF valve was not replaced)			20105599		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500060 = 50 TU max		NO		
Road Test	01210004 = 10 TU		YES		
Technical Diagnosis	01320000 = 00 TU		NO		
Claim Comment: Input "As per Technical Bulletin 2078029" 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>					

Parts information

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

Customer 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.

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**OWNER INFORMATION ABOUT CONTROL MODULE TUNING*
ACKNOWLEDGEMENT AND AUTHORIZATION FOR
REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)**

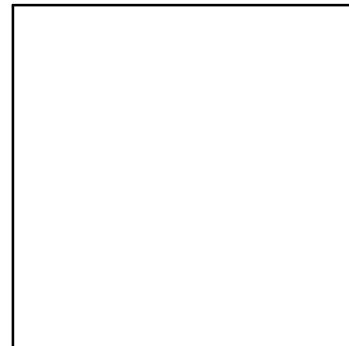
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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