

Condition

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

Revision Table			
Instance Number	Published Date	Version Number	Reason for Update
2072378/2	5/02/25	01-23-12	Included FTIV replacement instructions.
2072378/1	12/11/23	01-23-12	Original publication.

⚠ CAUTION

If software updates or flash campaign/actions are performed on a vehicle, a charger with at least 70A charging current **MUST** be used in order to avoid problems during software updates and flash campaign/actions.

Customer Complaint:

MIL-on with the following fault code stored in the Engine Control Module (ECM) Fault Memory:

DTC	Description
P242100	EVAP System Vent Valve Stuck Open

! NOTICE

DO NOT diagnose or replace components due to the above fault before following the procedures outlined in this bulletin.

Technical Background

Monitoring strategy for FTIV diagnosis is too sensitive, causing erroneous DTCs.

Production Solution

Not applicable – vehicle is out of production.

Service

In addition to the software update detailed below, there is an improvement to the FTIV (fuel tank isolation valve / tank switch-off valve -**N288-**) (Figure 1.), which is necessary in preventing erroneous occurrences of the P2421 fault code.

The FTIV / tank switch-off valve -**N288-** currently installed on the vehicle must be inspected, to verify whether an improved part has already been installed. The FTIV / tank switch-off valve -**N288-** is mounted to the EVAP canister assembly, as shown below.

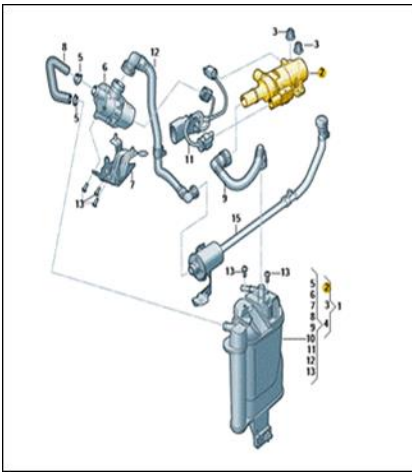


Figure 1.

Remove the EVAP canister assembly and inspect the face of the FTIV / tank switch-off valve -N288-. If the part is already updated, it will be part number 5Q0.201.549.C. Alternatively, it may have a white paint marking or an "02S" printed after the part number, as shown in Figure 2.

- If the part number is 5Q0.201.549.C, the FTIV / tank switch-off valve -N288- is already the updated component. In this case, DO NOT replace it, and instead reinstall the EVAP canister assembly. Only the software update will be required.
- If the part has a white paint mark or "02S", the FTIV / tank switch-off valve -N288- is already the updated component. In this case, DO NOT replace it, and instead reinstall the EVAP canister assembly. Only the software update will be required.
- If the part number is not 5Q0.201.549.C, there is no white paint mark, and "02S" is not included on the FTIV / tank switch-off valve -N288-, the component must also be replaced in addition to the software update. Always refer to ETKA for the most up to date part number information.



Figure 2.

Update-Programming Procedure:

CAUTION

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 test should be updated to the latest GFF technical version 11.0.0 or higher and SW version 2.47.0 or higher.

DANGER

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!

CAUTION

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 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.

NOTICE

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 BB	7401	04E 906 024 BB	9974	4D14
			9945			
			9970			
			9971			
			9972			
9973						
04E 906 024 BC	7400	04E 906 024 BC	9974	4D14		
	9946					
	9970					
	9971					
	9972					
9973						
04E 906 024 AB	Z842	04E 906 024 AB	9974	4D14		
	6946					
	9944					
	9970					
	9971					
9972						
9973						
04E 906 024 BG	Z943	04E 906 024 BG	2889	4D14		
	Z961					
	0905					
	1057					
	1520					
2324						
04E 906 024 BH	Z943	04E 906 024 BH	2890	4D14		
	Z961					
	0906					
	1056					
	2048					
2325						

		04E 906 024 BJ	Z943 Z961 0907 1055 2049 2326	04E 906 024 BJ	2891	4D14
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The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.

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

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
Jetta	2020 – 2021	1.4T 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	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		
Labor Operation ³⁾ : Activated charcoal filter rem+reins			20251900 = See Elsa for latest time units		
Labor Operation ³⁾ : Replace FTIV / Tank switch-off valve -N288- (ONLY if required per inspection)			20711958 = See Elsa for latest time units		
Causal Part:			24705599		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500060 = 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 2072378" 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

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Part No:	Part Description	Quantity
5Q0201549C	Pressure Regulation Valve / -N288-	1

Tool Description	Tool No:
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with current online updates
VAS Battery Tester / Charger	VAS 5908

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.

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

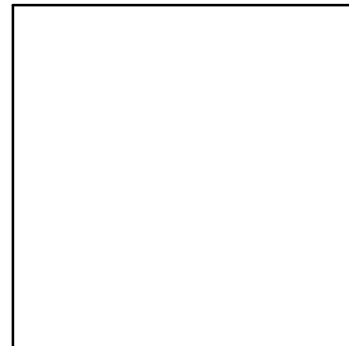
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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