



01-24-04 - Update Programming DTC P148D Stored in Engine/Motor Control Module -J623-

Release date: 4/30/2024

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas	2018-2021	3.6L (CDVC)	All	All	All
Atlas Cross Sport	2020-2021	3.6L (CDVC)	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2073713/1	04/30/2024	01-24-04	Original Publication

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

DTC	Description
P148D	Evaporative Emission System Leak Detection Pump Implausible Frequency

NOTICE

Do NOT diagnose or replace components due to P148D fault before performing the update function as explained in this bulletin.



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Technical Background

Updated programming of the Engine/Motor Control Module -J623- (ECM) software is based on most recent engineering experiences and makes this knowledge available for the monitoring strategies.

Production Solution

Updated Engine/Motor Control Module -J623- (ECM) software introduced in Model Year 2022 Production.

Service

Update-Programming Procedure:

Critical Warning: The VAS5908KIT 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 24.0.1 or higher and SW version 2.49.18 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 blades. Keep hands and all objects away from the Radiator Fan(s) during the 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-22-13 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 VAS6154A 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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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 Control Module 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
MY 18 Atlas	3.6L CDVC	03H.906.026.E	4744	03H.906.026.E	9974	4DB8
			6024			
			6695			
			9970			
			9971			
			9972			
		9973				
		03H.906.026.F	4745	03H.906.026.F	9974	4DB8
			6025			
6696						
03H.906.026.J	4748	03H.906.026.J	9974	4DB8		
	6026					
	6697					
	9970					



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			9971				
			9972				
			9973				
MY 19 Atlas	3.6L CDVC	03H.906.026.R	6692	03H.906.026.R	9974	4DB8	
			9970				
			9971				
				9972			
				9973			
		03H.906.026.S	6693	03H.906.026.S	9974	4DB8	
			9970				
			9971				
				9972			
			9973				
	03H.906.026.AA	6694	03H.906.026.AA	9974	4DB8		
		9970					
		9971					
			9972				
			9973				
MY20 Atlas	3.6L CDVC	03H.906.026.AH	9970	03H.906.026.AH	9977	4DB8	
			9971				
			9972				
				9973			
				9975			
				9976			
		03H.906.026.AG	9970	03H.906.026.AG	9977	4DB8	
			9971				
			9972				
			9973				
			9975				



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			9976			
		03H.906.026.AF	9970 9971 9972 9973 9975 9976	03H.906.026.AF	9977	4DB8
MY20 Atlas Cross Sport	3.6L CDVC	03H.906.026.AG	9970 9971 9972 9973 9975 9976	03H.906.026.AG	9977	4DB8
MY21 Atlas	3.6L CDVC	03H.906.026.AJ	0454 0638 1017 1689 2666 3172	03H.906.026.AJ	3644	4DB8
MY21 Atlas Cross Sport	3.6L CDVC	03H.906.026.AJ	1017 1689 2666 3172	03H.906.026.AJ	3644	4DB8

NOTICE

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
Atlas	2018-2021	3.6L (CDVC)	All	All	All
Atlas Cross Sport	2020-2021	3.6L (CDVC)	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	Atlas / Atlas Cross Sport		WVO ²⁾		
Labor Operation ³⁾ : Preparation and battery charge			01500010 = See Elsa for latest time units		
Labor Operation ³⁾ : Update Programming Engine/Motor Control Module -J623-			24705599 = Actual GFF Print out, up to 50 TU max		
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 2073713" 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:
Battery Tester/Charger	VAS5908KIT 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)**

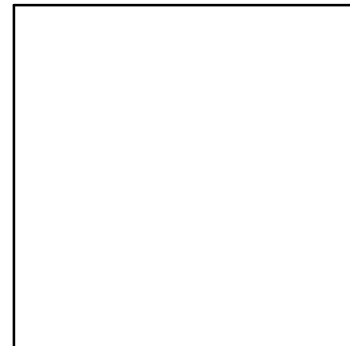
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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