



87-24-03 - Update Programming DTC U1935 (Static) in Climate Control Module -J979-

Release date: 9/24/2024

## Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas	2024	All	All	CA_RC500001	CA_RC605551
Atlas Cross Sport	2024	All	All	CA_RC200001	CA_RC254627

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2075316/1	9/24/24	87-24-03	Original publication.

Customer concern for A/C doesn't blow cold or reduced cooling function with DTC B10AE22: High-Pressure Sensor Upper Limit Exceeded & DTC U193500: Interior Air Conditioning Function Restriction (Static) stored in AW 0008 and cannot be cleared from fault memory.

## Technical Background

Model Year 2024 and newer Volkswagen Atlas and Atlas Cross Sport models are equipped with Emission Neutral Default Action (ENDA) in the Climatronic Control Module. ENDA restricts Climatronic Control Module -**J979**- request for radiator fan activation if there are active fault(s) entries in the control module. ENDA is only active with a static U193500 DTC entry in AW 0008.

U193500 DTC is only stored when there are preceding "causal" DTC's stored in AW 0008 Climatronic Control Module -**J979**- such as, but not limited to:

- U101100 – Supply voltage too low
- U140000 – Function restriction due to low voltage
- U112300 – Databus error value received
- B10AE31 – High-Pressure Sensor No Signal

 <b>NOTICE</b>
<p><b>Engine/Motor Control Module -J623- radiator fan request are not affected if ENDA is active.</b></p>



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Improvements made to Climatronic software:

- B10AE31: High-Pressure Sensor No Signal – Eliminate erroneous fault triggering
- B10AE22: High-Pressure Sensor Upper Limit Exceeded – Improved error setting conditions
- Eliminated 15-minute key-on wait to clear U193500 faults after high pressure event (B10AE22)

### Production Solution

Improved software was introduced into production.

### Service

#### Update-Programming Procedure:

Update the Climate Control Module -J979- software using the SVM Unit code as listed in the table below, road test vehicle after software update to confirm A/C operation.

Models	Eng. Code(s)	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version	SVM Code
Atlas	ALL	3CN.907.727	0540	3CN.907.727.A	0550	4E57
Atlas Cross Sport	ALL	3CN.907.727	0540	3CN.907.727.A	0550	4E57

**! WARNING**

**Critical Warning:** The Midtronic 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 the spinning fan blades.

- Keep hands and objects away from Radiator Fan(s) during the update process.



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 NOTICE

Prior to launching the ODIS service diagnostic application and starting control module update process, confirm tester screen saver and power settings in accordance with Special Tools and Equipment – Service Information Circular # VHW-22-13. 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/X 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 circumstance 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.



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Warranty

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual.</b>					
Models	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Atlas	2024	All	All	CA_RC500001	CA_RC605551
Atlas Cross Sport	2024	All	All	CA_RC200001	CA_RC254627
<b>SAGA Coding</b>					
<b>Claim Type:</b>			<b>Use applicable Claim Type <sup>1)</sup></b>		
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
8704	0039	--		--	
Parts Manufacture		Atlas Atlas Cross Sport		WWO <sup>2)</sup>	
<b>Labor Operation <sup>3)</sup></b> : GFF/Guided Functions (inc. preparation & charge)			01500010 = See Elsa for latest time units		
<b>Labor Operation <sup>3)</sup></b> : Update Programming			See GFF Time Expenditure		
<b>Diagnostic Time <sup>4)</sup></b>					
GFF Time expenditure		01500060 = Actual GFF print out. 50 TU max.		YES	
Road Test		01210002 = 10 TU 01210004 = 10 TU		YES	
Technical Diagnosis		01320000 = 00 TU max.		NO	
<b>Claim Comment: Input "As per Technical Bulletin 2075316" in comment section of Warranty Claim.</b>					
1) Vehicle may be outside warranty in which 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.