

Technical Journal

TITLE:

Electric System Temporarily Limited Message

REF NO: TJ 37515.1.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7515 Polestar		ISSUE DATE: 2025-09-18	STATUS DATE: 2026-05-04
FUNC GROUP:	FUNC DESC:	Page 1 of 9	

Attachment

File Name	File Size
TJ_37515_1.pdf	0.4872 MB

DESCRIPTION:

If a customer experiences an Electric System Limited message along with reduced performance, and there are temperature-related DTCs in the HLCM, the root cause may be restricted coolant flow to the HLCM.

Please follow the advice under “Service” to test the HLCM cooling performance.

HLCM (High to Low Voltage Converter Module)

CSC Customer Symptom Codes

Code	Description
7G	Text window and warning symbol/Yellow symbol and text message

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
HLCM	P0D320A	Permanent
HLCM	P0D3224	Permanent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
359							2025-2027		-	202402-202752

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SERVICE:

Follow the steps below to test the HLCM cooling system.

1. With a driver in the driver's seat, activate the rear window defroster, all seat heating, and the steering wheel heat.
2. Run the diagnostic sequence for HLCM temperature monitoring. See page 2 of the attachment TJ_37515_1.pdf.
3. Click the button "Live values" and observe the temperatures. See page 3 of the attachment TJ_37515_1.pdf.

Cars with working HLCM cooling

- 3.1. The HLCM cooling plate temperature and the HV battery coolant inlet temperature are about the same. See page 3.1 of the attachment TJ_37515_1.pdf

No further action required. The HLCM cooling system is not blocked. Continue the fault tracing according to VIDA.

Cars with HLCM cooling problems

- 3.2. The HLCM cooling plate temperature is increasing significantly faster compared to the HV battery coolant inlet temperature. See page 3.2 of the attachment TJ_37515_1.pdf.

Actions

4. Check the function of the HV battery coolant pump by monitoring the requested speed vs the actual speed. The two speeds shall be the same. See page 4 of the attachment TJ_37515_1.pdf.
5. If the pump is working properly, the HLCM cooling problems are likely caused by blocked coolant flow in the HLCM coolant ports. Both the inlet and/or the outlet can be blocked. If the coolant ports are blocked, the plugs can be removed, and the HLCM reinstalled. It is not necessary to replace the HLCM for this issue. See page 5 of the attachment TJ_37515_1.pdf.

NOTE: Step 5 requires removing the HLCM for inspection. Contact Retailer Technical Support via a Nebula report to get technical prior approval.

Warranty claim info:

To have a warranty claim approved for the job described in this Technical Journal (TJ), use the corresponding VST operation number(s) provided.

Please note that fault tracing is not eligible for separate reimbursement under this TJ. Any fault tracing VST operation numbers will be rejected.

Additionally, ensure that the TJ number is clearly stated in the repair order text.

Failing Part: 36010867

VST Operation Number

VST Operation Number	Description
98802-2	Reimbursement acc. to TJ

LABOR TIME:

Labor time subject to change without notice.

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use the concern area "Vehicle Report Polestar" and the sub-concern area "Support Needed Polestar", use function group 3229.

To view TJ attachment continue to next page. This TJ has one attachment.

2.

VIDA

HomePolestar 3E400V30, 1EDT AWD

Planning & DiagnosticsSoftware InstallationInformationService Journals

VIN: YSMYKEAE3SB022851
Model/Year/Chassis: Polestar 3, 2025, 022851

Customer Name:

Connection: Virtual #3
14.5 V / 99%
Available

Lists

Planning

Customer Symptom Codes

Claim Types

Technical Journals

Service Programs

Operations

Parts

Software

Diagnostics

Components

Service Functions

Events

3

ECUSensors & ActuatorsCable harnessesConnectors

ID	Name
4/700	Hands-Off Detection module (HOD)
4/112	Headlamp Control Module Left (HCML)
4/113	Headlamp Control Module Right (HCMR)
4/563	High- to Low-voltage Converter Module (HLCM)
4/569	High-Integrity CPU A (HIA)
4/569	High-Integrity CPU B (HIB)
4/569	High-Performance CPU A (HPA)
4/562	High-Voltage Battery Module (HVBM)

4

5

DTCsDocumentsWiring DiagramsParametersActivationsDiagnostic Sequences

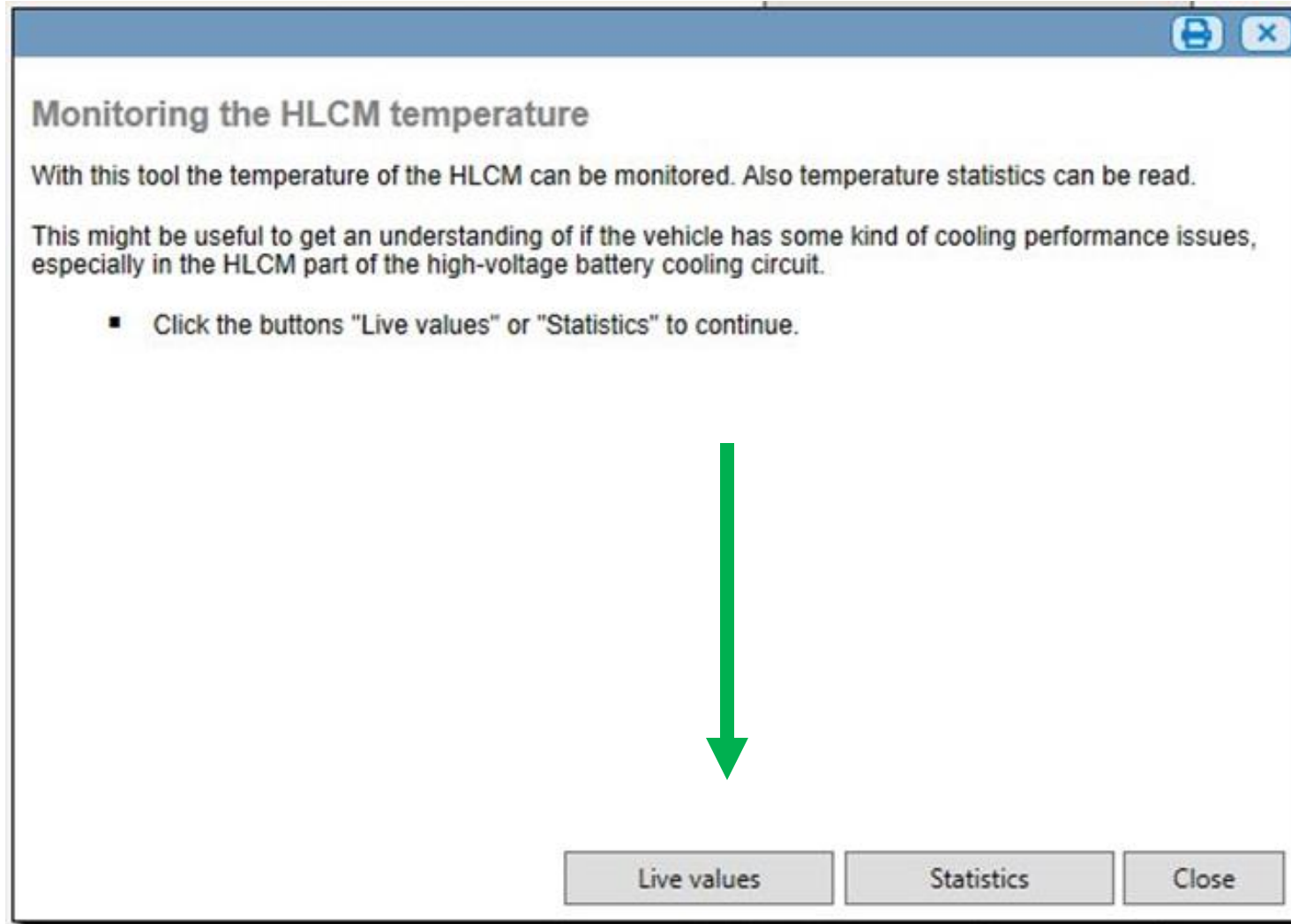
Diagnostic Sequences

6

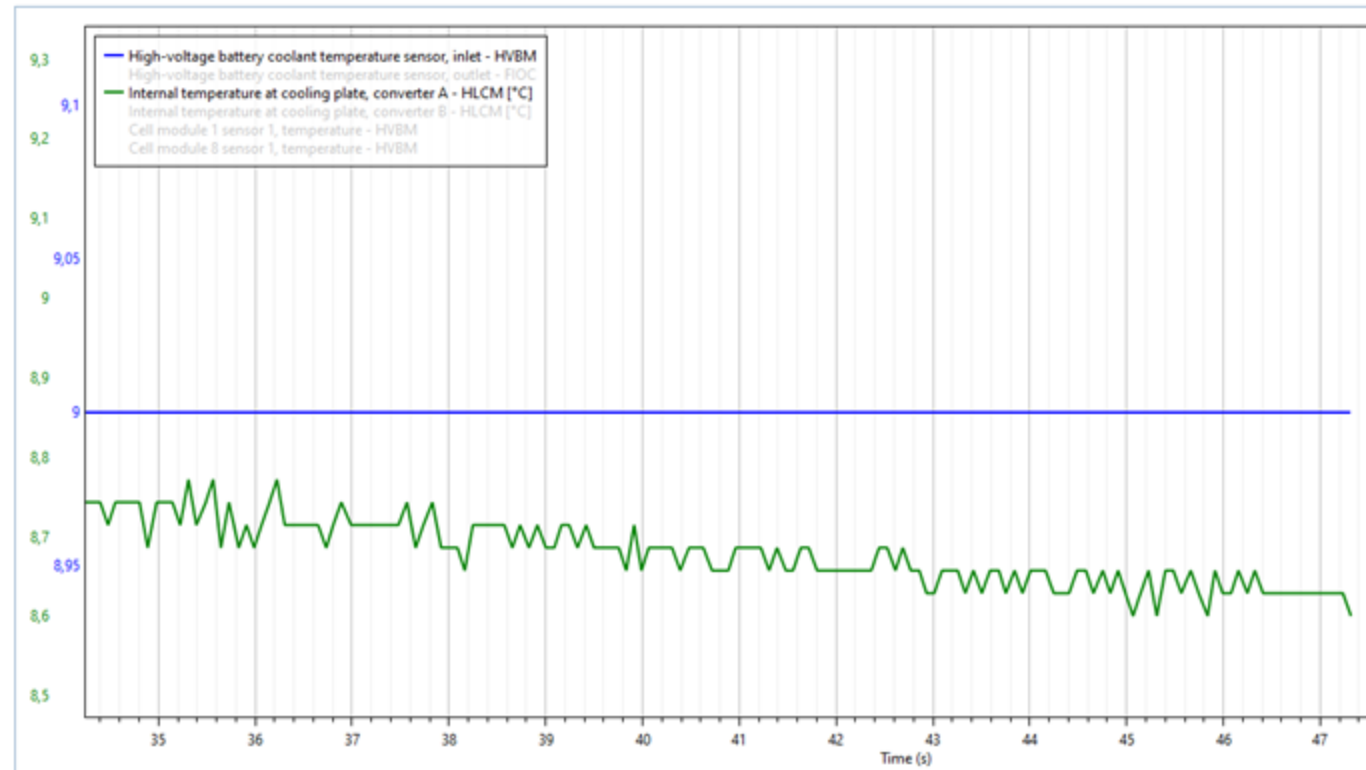
Monitoring the HLCM temperature

Recovering HLCM from fail-safe mode

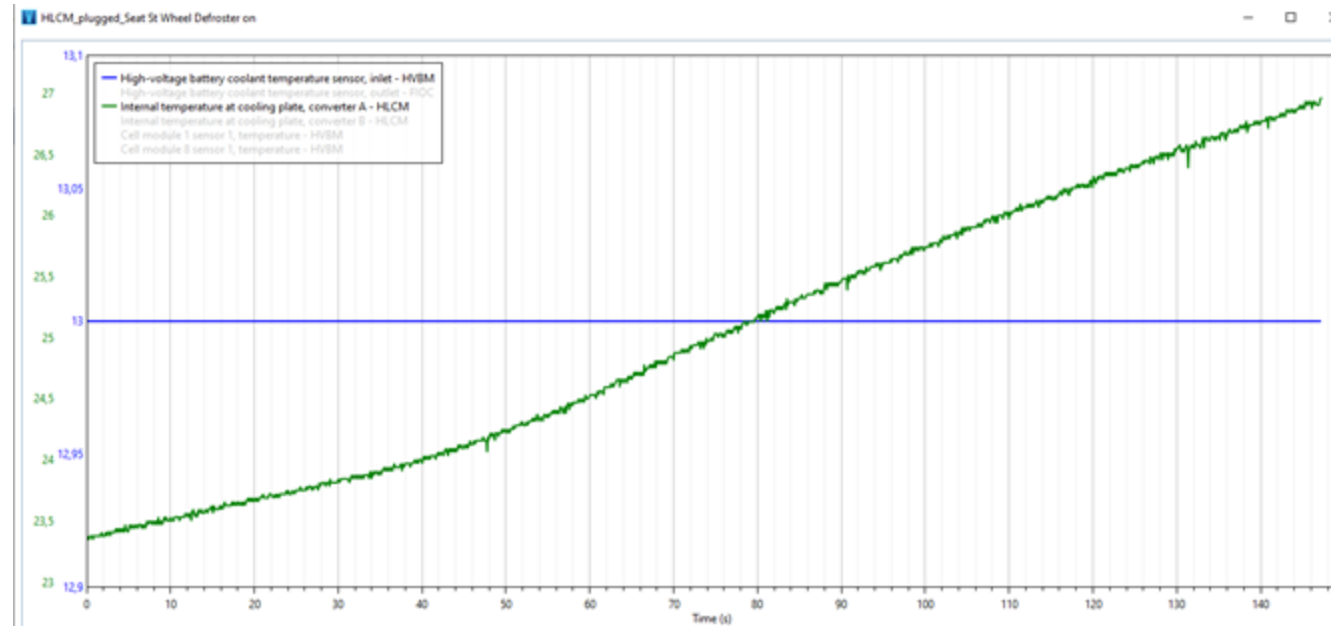
3.



3.1.



3.2.

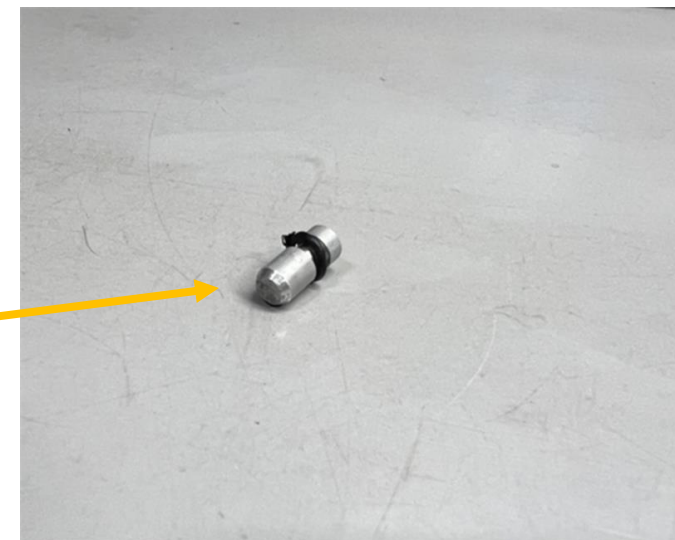
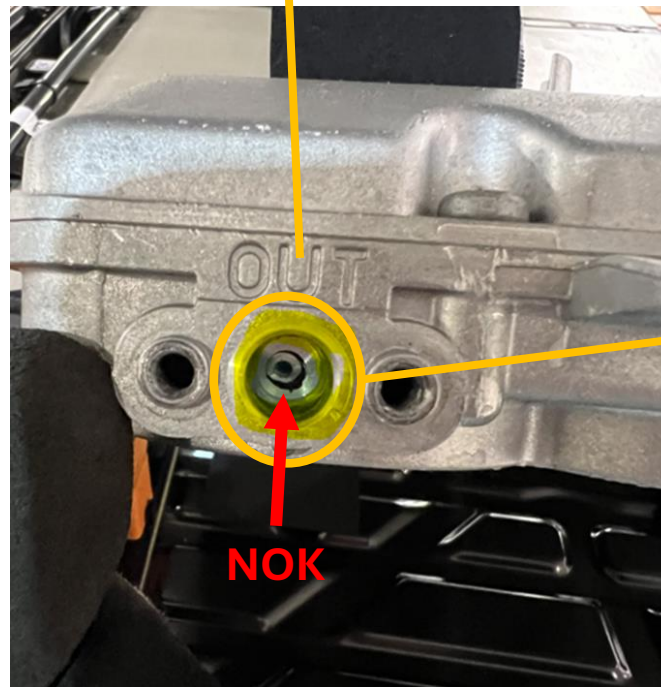
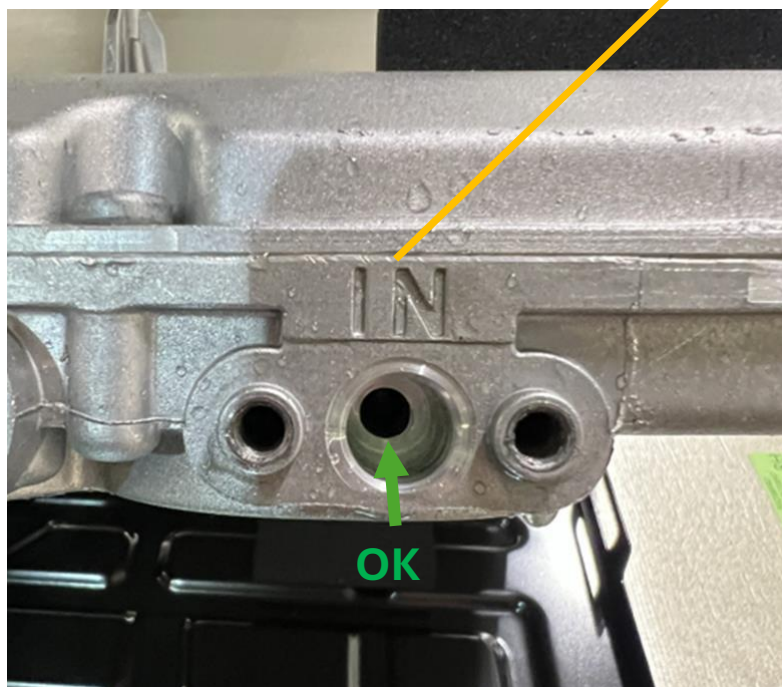
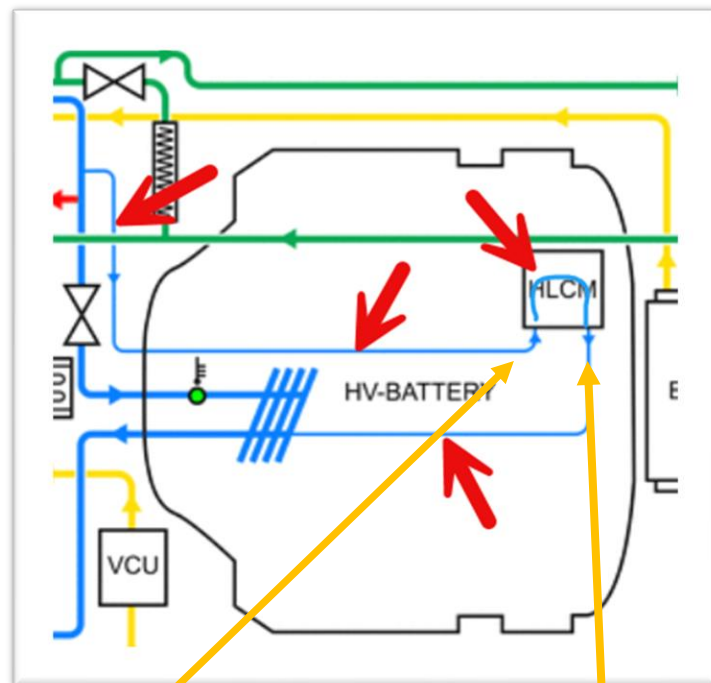


4.

ECUs		Sensors & Actuators	Cable harnesses	Connectors
ID	Name			
	pum			
4/362	Autonomous Drive Washer pump Module (ADWM)			
4/473	Battery Coolant Pump Module (BCPM)			
4/694	Compartment coolant pump			
4/475	Electric drivetrain coolant pump			
6/260	Sensor washer pump, 1			
6/336	Sensor washer pump, 4			
6/104	Washer fluid pump, headlights			
6/127	Window washer pump			

DTCs	Documents	Wiring Diagrams	Parameters
Parameters			
Selected			
Parameter			
☒	Battery Coolant Pump Module (BCPM), actual speed - FIOC		
☒	Battery Coolant Pump Module (BCPM), requested speed - FIOC		

5.



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