



19-23-01 - Service Information, ID.4 Coolant Hose Improper Assembly

Release date: 12/4/2023

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
ID.4	2023 – 2024	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason for Update
2072064/1	12/4/2023	19-23-01	Original publication.

Customer Concern:

- Reduced power with yellow warning indicator (turtle mode)



- One or more of the following DTC(s) are stored in the Electric Drive Power and Control Electronics - JX1- (Diagnostic Address 0051)

DTC	Symptom	Description
P0AEE00	41344	Drive Motor Inverter Temperature Sensor "A" Circuit Range/Performance
P0A3C00	41734	Drive Motor "A" Inverter Over Temperature

NOTICE

If no faults populate in diagnostic address 0051, re-identify the control module through GFF. It has been observed that some DTCs may not populate on the initial scan through ODIS.

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Technical Background

Field cases have been identified with coolant hoses twisted, kinked, and/or misrouted in various locations. This condition can lead to restricted or incorrect coolant flow, reduced power, and electrical system error messages.

Production Solution

Not applicable.

Service

Diagrams of the cooling system can be found in the Repair Manual:

Repair Manual > Motor > Electric Rear Wheel Drive EIP220 and All Wheel Drive EIA210 > 19 Cooling System > Cooling System/Coolant > Connection Diagram – Coolant hoses, Refrigerant R1234yf

Carefully inspect the routing and positioning of all coolant hoses throughout the vehicle.

If a coolant hose is identified with a concern, then no parts replacement is necessary. Repair the identified concern, clear all relevant DTCs, and retest the vehicle.

Following are several examples of different conditions and locations to inspect.



Figure 1. Hose twisted at rear power electronics.



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Figure 2. Hose twisted at rear power electronics.



Figure 3. Hose twisted at front of high-voltage battery.

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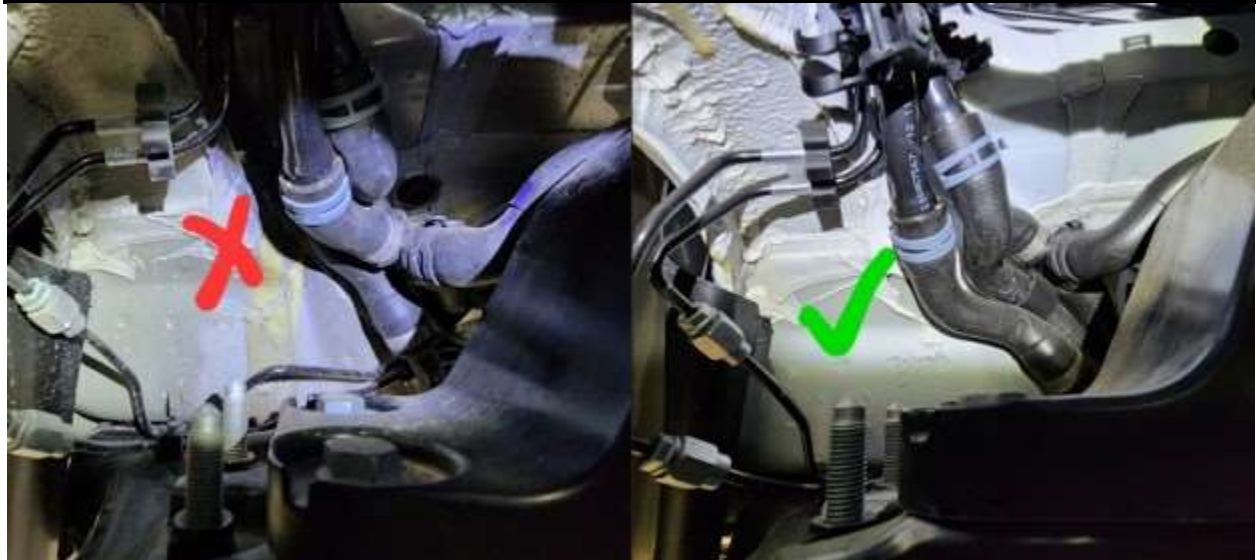


Figure 4. Hoses misrouted in right-front frame.

Warranty

Information only.

Required Parts and Tools

No Special Tools required.

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.