



Countries: CANADA, UNITED STATES Document ID: IK2300022
Availability: ISIS, Bus ISIS, NotSIR Revision: 0
Major System: ELECTRIC VEHICLE Created: 11/7/2023
Current Language: English Last Modified: 11/7/2023
Other Languages: NONE Author: Josh Bowman
Viewed: 101

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Coding Information

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Title: Cabin Heat Coolant Over Boil w/SPN 5574 FMI 7 Fault

Applies To: Electric CE Bus

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

11/07/2023 - Initial Article Release

DESCRIPTION

This document will guide the user through utilizing the proper settings for the cabin heat to mitigate coolant leaking from the cabin heat surge tank overflow hose.

Please note, this concern is actively being worked to understand root cause and the below information is to keep the vehicle in service until a corrective action can be implemented.

SYMPTOMS

Diagnostic Trouble Codes & Dashboard Indicator Lights:

DTC/Light	Description
SPN 5574 FMI 7	Auxiliary Cab Heater : Mechanical System Not Responding Or Out Of Adjustment

Customer Observations or Concerns:

Amber Warning Lamp (AWL) - solid
Coolant leaking or 'overboiling' from the cabin heat surge tank overflow hose

SPECIAL TOOLS / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
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N/A	N/A	N/A	N/A
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SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
N/A	N/A	N/A	N/A

DIAGNOSTIC STEPS

Step	Action	Decision
1	<p>DIAGNOSTIC:</p> <p>Is SPN 5574 FMI 7 active, with coolant coming out of the cabin heat surge tank overflow hose?</p>	<p>Yes. Proceed to step 2</p> <p>No. If 5574 FMI 7 is set with no other symptoms or conditions, proceed with FCAP.</p>

Step	Action	Decision
2	<p>DIAGNOSTIC:</p> <p>Is the driver input selection for heat temperature control in the colder position?</p>	<p>Yes. Turn control to full hot position, this allows the coolant flow valve to be completely open.</p> <p>Run heater for 5 minutes and check coolant level. Top off as needed</p> <p>If vehicle operates normally, return back to service and inform operator to leave temperature control in full hot position at this time.</p>

No. Open Technical Service case file with complete details.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Times:

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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