



U.S. Department of Transportation
National Highway Traffic Safety Administration

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION



Investigation: RQ24002
Prompted By: Recall 24V-011
Date Opened: 02/08/2024
Investigator: Taylor Collins **Reviewer:** Bruce York-B
Approver: Tanya Topka
Subject: High Voltage Coolant Heater Delamination

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Lucid USA, Inc.
Products: Model Years 2022-2023 Lucid Air
Population: 2,042 (Estimated)

Problem Description: Software update notifies driver when the High Voltage Coolant Heater experiences a delamination failure and advises the driver to get the High Voltage Coolant Heater replaced.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
All Incidents:	0	0	0	0	0	0
Crashes/Fires:	0	0	0	0	0	0
Injury Incidents:	0	0	0	0	0	0
Fatality Incidents:	0	0	0	0	0	0

ACTION/SUMMARY INFORMATION

Action: Open this RQ

Summary:

On January 11th, 2024, the Office of Defects Investigation (ODI) received Recall 24V-011 that identified a safety defect in the High Voltage Coolant Heater (HVCH) installed in certain Model Year (MY) 2022-2023 Lucid Air vehicles manufactured prior to July 2022. The HVCH may experience an internal delamination failure, which poses a risk of the vehicle losing defrost capability. If the HVCH fails, coolant cannot be heated, and the windshield cannot be defrosted. Loss of adequate windshield defrost capability could lead to restricted driver field of vision and an increased risk of a crash.

The remedy outlined in this recall is a software update that identifies any HVCH failure when it occurs, which then provides a notification on the glass cockpit panel about the lack of defrost capability and advises the owner to contact Lucid for an HVCH replacement.

On July 27th, 2023, Jaguar Land Rover North America, LLC filed Recall 23V-518 which affects Jaguar Land

Rover vehicles equipped with the same HVCH as the Lucid Vehicles that were supplied by the same supplier (Webasto AG). Jaguar Land Rover North America, LLC's remedy is to replace the HVCH in the affected vehicles.

The Office of Defects Investigation is concerned that by only providing a notification to drivers that their windshield defroster is not working, Lucid puts the driver in a situation where they could experience the failure during the same drive cycle as they receive the notification. In this scenario, the driver is not aware they have a failed HVCH until they are operating the vehicle and need the defrost function prior to being able to have the vehicle serviced.

ODI is opening this Recall Query (RQ) to further assess the adequacy and safety consequences of the remedy described in Lucid Recall 24V-011.