



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

26V309

Manufacturer Name: Lucid USA, Inc.

Submission Date: May 27, 2026

NHTSA Recall No.: 26V309

Manufacturer Recall No.: SR-26-05-0

Manufacturer Information

Population

Manufacturer Name: Lucid USA, Inc.

Address: 7373 Gateway Blvd.
Newark CA, 94560

Total number of potentially involved: 2,039

Estimated percentage with defect: 1.6%

Vehicle Information

Vehicle 1: 2024-2025 LUCID AIR

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Electric Battery Power

Production Dates: Sep 13, 2023 - Dec 12, 2024

Number of potentially involved: 2,039

Descriptive Information:

Lucid has determined that certain Lucid Air 2024-2025 Model Year Pure Rear-Wheel Drive (RWD) vehicles containing Gen 4 inverters may experience signal interruptions and switching module failure due to damage caused by friction on internal connectors. This may result in an unwarned loss of drive power.

The recall population excludes Air Pure RWD vehicles that were not produced with a Gen 4 model inverter. All of the loss of drive power events due to this issue have occurred in vehicles with Gen 4 inverters. The other generation inverter models differed from Gen 4. For example, these differences may include a power module that was manufactured at a different location, a different gate driver, a different DC link capacitor, a through-bolt, and anti-fretting grease.

Only Air Pure RWD vehicles are part of the recall as they only have one drive unit (the Rear Drive Unit or "RDU") and therefore are at risk of an unwarned complete loss of drive power. Since other Lucid Air models have more than one drive unit, the redundancy reduces risk of unwarned complete loss of drive power.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Friction damage (fretting) on internal connections can lead to signal interruptions and switching module failure in Gen 4 inverters, which may lead to unwarned loss of motive power.

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FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

The switching module failure prevents the Gen 4 inverter from converting battery DC power into AC to operate the motor. This can result in loss of drive power without warning, which may increase the risk of a crash.

Description of the cause:

Vibrations created by the motor are transmitted to the inverter and its internal components, resulting in movement between internal pads and contacts on the gate driver PCBA. This causes surface damage due to friction (fretting) over time, which can result in signal interruptions and switching module failure.

Identification of any warning that can occur:

Lucid previously implemented logic for some vehicles where owners may have received a key-cycle latched in-vehicle warning of a Drive System Fault under certain conditions. Lucid is implementing this logic in all vehicles to trigger a similar in-vehicle latched warning. Lucid is also working to improve detection logic that will provide a "hard latched" warning, meaning it will remain latched during key cycles until removed by service. This warning will say "Drive System Fault, Schedule Service Immediately." Based on analysis of past failures, it is expected warnings of anticipated inverter failure will be received at least 100 miles before occurrence.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name:

Address:

Country:

Involved Components

Component Name 1: Inverter Assemblies

Component Description: 2Y/4Y Inverter Assemblies

Component Part Number: M11-006215-01, -03, and -04; M11-008432-01 to -03; M11-849786-00 to -01; M11-900706-00 to -02

Chronology

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Beginning in March 2025, Lucid became aware of inverter failures on Lucid Air Pure RWD vehicles that were used by a fleet operator. Lucid believed that these vehicles had different driving patterns and accumulated miles more quickly than non-fleet vehicles. A few months later, Lucid became aware of inverter failures on Air Pure RWD non-fleet vehicles.

Lucid conducted an investigation relating to the failures and referred the issue to Lucid's Product Safety Working Group ("PSWG"). From March 2025 to March 2026, Lucid became aware of 55 inverter failures attributable to this issue, including one that was also reported to NHTSA as a VOQ.

Lucid investigated to determine the root cause of the failures and affected vehicle population, and analyzed any safety risk therefrom. Lucid's analysis showed that all of the vehicles with the failure had Gen 4 inverters. There were no failures due to this issue on vehicles with any other generation of inverter. Lucid examined variations within the Gen 4 inverters, as some Gen 4 inverters contained epoxy while others did not. Lucid's analysis indicated that all Gen 4 inverters could experience the failure.

While Lucid was investigating the issue, Lucid evaluated whether temperature contributed to the condition. Lucid developed software-based RDU cooling optimization, though results did not show a quantifiable mitigation benefit. Ultimately, Lucid's investigation concluded that the inverter failure was attributable to fretting of internal components inside the Gen 4 inverter.

While Lucid was investigating the issue, Lucid also worked to improve detection of potential failures prior to failure by using a neighboring signal temperature deviation as a proxy. A Fleet Health Monitoring ("FHM") alert was deployed, which issued an alert to Lucid when the underlying logic was triggered. Lucid worked to enhance the robustness of the FHM detection, implemented improvements in November 2025, and also began contacting the owners of the vehicles that triggered the FHM alert to request that they bring their vehicles in for service. After making this logic change, Lucid became aware of some failures that were not detected by the FHM logic prior to failure. Lucid believes that improving the sampling rate will improve the accuracy of the FHM detection prior to failure, and Lucid is implementing the new logic.

Lucid is also implementing enhanced in-vehicle owner notification. As an interim step, vehicles will have a latched warning when certain conditions are met. As a final step, Lucid is planning to deploy via an over-the air (OTA) software update more sensitive logic to trigger an in-vehicle notification that will provide a hard latched warning to drivers, requiring clearing by Lucid Service.

The PSWG referred this issue to Lucid's Product Safety Executive Council ("PSEC"). On May 6, 2026, the PSEC determined that certain MY2024-2025 Air Pure RWD vehicles equipped with a Gen 4 inverter may experience an unwarned loss of drive power and therefore decided to recall the vehicles for a safety-related defect. The PSEC determined that the risk would be mitigated by release of an OTA software update that provides an adequate warning to drivers. Vehicles that receive a warning may be brought to a Lucid Service Center for inspection and replacement of hardware with a non-Gen 4 inverter if necessary.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Software OTA, Repair

Consumer Advisories: Do Not Drive Park Outside

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Description of remedy program:

The remedy for this condition is a software update to detect potential Gen 4 inverter failures, set a diagnostic trouble code, and provide a hard latched warning to drivers, that says "Drive System Fault, Schedule Service Immediately," which requires a Service visit to clear. Gen 4 inverter failures attributable to this condition will receive an inverter replacement.

Vehicles that receive the warning should be brought to a Lucid Service Center promptly for inspection and replacement of hardware with a non-Gen 4 inverter, if necessary. Lucid plans to release an over-the-air (OTA) software update on or about the end of June 2026 to provide the robust, in-vehicle warning.

All OTA updates are provided at NO COST to customers. Owners of vehicles will be notified by first class mail with instructions to update their software to the latest version available or contact Lucid Customer Care for assistance in doing so, at NO COST. Any vehicles equipped with a Gen 4 inverter that experience the in-vehicle warning will receive an inverter replacement at NO COST if replacement is necessary.

How remedy component differs from recalled component:

The remedy version of the software, and later versions, will include robust logic that will provide an in-vehicle, hard latched warning to alert drivers of a potential inverter failure prior to loss of drive power.

Generations of inverter after Gen 4 may include a power module that was manufactured at a different location, a different gate driver, a different DC link capacitor, a through-bolt, and anti-fretting grease.

Identify how/when recall condition was corrected in production:

Lucid has been able to determine through production records which vehicles were equipped with a Gen 4 inverter. While current production vehicles do not yet contain the remedy software, Lucid is no longer using Gen 4 inverters in production. Lucid aims to deploy the remedy OTA software update to enhance in-vehicle notification on or around June 2026.

Reimbursement Plan

Description of reimbursement program:

Lucid will reimburse owners for costs an owner reasonably incurred to obtain a remedy for this safety defect during the period starting from initial vehicle delivery through 10 days after Lucid's mailing of the owner notification letter concerning this defect. If an owner has such a claim for pre-notification reimbursement, they may contact Lucid Customer Care at 1-888-99-LUCID or 1-888-995-8243.

Period of reimbursement:

From initial vehicle delivery through 10 days after Lucid's mailing of the owner notification letter.

Costs to be reimbursed:

Costs an owner reasonably incurred to obtain a remedy for this safety defect during the period of reimbursement.

Address for reimbursement claims:

Recall Schedule

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Owners of vehicles in the recall population will be notified by first class mail with instructions to update their software to the latest version and that they may contact Lucid Customer Care or a Lucid Service Center if they need assistance with software updates. There will be NO COST for this service.

Planned Dealer Notification Date: No Dealers**Planned Interim Owner Notification Date:** No Owners**Planned Remedy Owner Notification Date:** Jul 10, 2026 - Jul 10, 2026 Phased Recall**Date when VIN will be searchable:**