



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V669

Manufacturer Name: Lucid USA, Inc.

Submission Date: Oct 15, 2025

NHTSA Recall No.: 25V669

Manufacturer Recall No.: SR-25-03-0

Manufacturer Information

Population

Manufacturer Name: Lucid USA, Inc.

Address: 7373 Gateway Blvd.
Newark CA, 94560

Total number of potentially involved: 225

Estimated percentage with defect: 90%

Vehicle Information

Vehicle 1: 2024-2026 LUCID AIR

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Electric Battery Power

Production Dates: Sep 23, 2023 - Jul 23, 2025

Number of potentially involved: 225

Descriptive Information:

Lucid has determined that certain Lucid Air 2024–2026 model year Pure Rear-Wheel Drive (RWD) vehicles may have half-shaft bolts that are not properly secured, which could result in disengagement of the half shaft from the drive unit and result in an unwarned loss of drive power.

Lucid developed a lash detection algorithm using vehicle telematics data to identify vehicles potentially at risk of a half-shaft disengagement. Lucid has determined that the lash detection analysis is an adequate means of predicting which Lucid Air Pure RWD vehicles may experience a half-shaft disengagement while driving. All the identified vehicles have a half-shaft consumption date on the manufacturing line prior to the July 25, 2025 clean point by which Lucid implemented several corrective actions. The recall population consists of 225 Lucid Air Pure RWD vehicles identified through the lash detection algorithm and with a consumption date prior to the clean point. Based on failure date, Lucid estimates that approximately 90% of the affected vehicle population determined through the lash detection algorithm would have the defect condition over time.

Lucid Air Pure RWD vehicles not identified by the lash detection algorithm do not have the lash that predicts the recall risk and are not included in the recall. Since Lucid Air Touring and Grand Touring vehicles have two drive units, they are not at risk of unwarned complete loss of drive power, and are not included in the recall.

Defect / Noncompliance Description

Description of the defect or noncompliance:

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Half-shafts may have had bolts that were not properly secured, which may lead to a half-shaft disengaging from the drive unit.

FMVSS1:

FMVSS2:

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

If the half-shaft disengages while driving, there can be an unwarned loss of drive power, increasing the risk of a crash.

Description of the cause:

The primary cause of the issue was interruption of the torque operations during the adhesive curing window. Contributing causes may include using bolts with damaged adhesive, half-shaft contamination, or reuse of bolts with cured adhesive.

Identification of any warning that can occur:

N/A

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: Other

Name: GKN Automotive

Address: Carretera Alternativa Celaya-Villagran S/N
Villagrán Foreign States, 38260

Country: Mexico

Tier of Supplier: Tier 1

Supplier Type: Other

Name: Bossard, Inc.

Address: 909 W Pinnacle Peak Rd.
Suite 102
Phoenix AZ, 85027

Country: United States

Involved Components

Component Name 1: Assy, Half Shaft, Hollow, Rear, Sedan

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Component Description: Half Shaft Assembly

Component Part Number: P11-P09660-03

Component Name 2: Half Shaft Bolts

Component Description: M10 X 1,5 x 60/E1 External Torx Bolt and Bracket

Component Part Number: Part P00-F24TCE-00

Chronology

In 2024, Lucid began investigating reports of half-shaft disengagements from the drive unit in Lucid Air vehicles. The half shaft supplier began implementing process improvements between November 2024 and March 2025. This matter was referred to Lucid's Product Safety Working Group (PSWG) in April 2025. Based on the data available at the time, the PSWG determined that the issue did not pose an unreasonable risk to safety. The issue involved a limited population of nine vehicles, and all occurred while the vehicles were stopped or at low speed. The data reviewed by the PSWG indicated that all bolts would not back out at once and that there was a warning to customers. Lucid continued to monitor the issue. Lucid Quality implemented additional countermeasures through July 2025.

In July 2025, the PSWG received data that the half-shaft detachment issue may be more extensive than previously thought and so it opened a further investigation. From July 2025 to September 2025, the PSWG analyzed the issue with support from Quality and Engineering. The PSWG analyzed the 20 half shaft disengagements in customer vehicles that occurred between September 2024 and September 2025. Lucid received no reports of death or injury resulting from half shaft disengagement. While the PSWG was investigating, Lucid Quality continued to implement additional countermeasures.

The PSWG investigation involved evaluation of the half-shafts that detached in the field and examination of potential causes of the failures. Lucid determined that there were several potential root causes of the issue, but that the primary root cause was related to torquing partially cured bolts.

During this time, Lucid developed a means of identifying vehicles that may have loose half-shaft bolts before the half-shaft detaches from the drive unit based on data from the units that had failed in the field. This evaluation resulted in the lash detection analysis.

Because Pure RWD vehicles only have a single drive unit, if either half-shaft attached to a drive unit loses full engagement, the drive unit shuts down, causing complete loss of drive power without warning. The lash detection algorithm detects those half-shafts that are likely to detach from the drive unit while the vehicle is at speed.

The PSWG briefed this issue to Lucid's Product Safety Executive Council (PSEC) on September 30, 2025. The PSEC decided that there was an unreasonable risk to safety for Air Pure RWD vehicles that were identified through lash detection, as those vehicles were at risk for an unwarned complete loss of motive power while at speed.

Related NHTSA Recall Number:

Description of Remedy

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Remedy Type: Inspect, Replace

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

Lucid will remove the half shaft bolts, inspect the half shaft and bolts, and install new bolts to specification.

How remedy component differs from recalled component:

Half shafts will be secured following all of the manufacturing containment and parts quality improvements implemented by suppliers and Lucid. Half-shafts will be confirmed to be free of contamination and the bolts that will be used in the remedy will be checked for undamaged adhesive.

Identify how/when recall condition was corrected in production:

Through July 25, 2025, Lucid implemented several containment actions. Lucid issued a Quality Alert to sort half-shaft casting to make sure the parts are free of contamination and to sort the bolt before and after insertion in the casting confirming all are free of damage in the adhesive patch or contamination. If damage or contamination is present after insertion, the instruction was to remove the bolts and replace them with new ones, confirming the same. Lucid also issued another Quality Alert prohibiting leaving the bolts started if the operation is not going to be completed in the next five minutes after the hand start process. The alert also provided that if the bolts were not fully installed within 5 minutes, the bolts need to be removed, the threads need to be cleaned, and new bolts need to be installed.

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

Description of recall schedule:

Owners of vehicles in the recall population will be notified by first-class mail with instructions to contact Lucid Customer Care or a Lucid Service Center so that they may schedule their vehicle to receive the

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recall remedy. There will be NO COST for this service. Owner's may contact Lucid Customer Care at 1-888-99-LUCID or 1-888-995-8243.

Planned Dealer Notification Date:

No Dealers

Planned Interim Owner Notification Date:

No Owners

Planned Remedy Owner Notification Date: Dec 05, 2025 - Dec 05, 2025 Phased Recall

Date when VIN will be searchable: