

Part 573 Safety Recall Report

24V-836

Manufacturer Name : Lucid USA, Inc.**Submission Date :** NOV 05, 2024**NHTSA Recall No. :** 24V-836**Manufacturer Recall No. :** SR-24-05-0**Manufacturer Information :**

Manufacturer Name : Lucid USA, Inc.

Address : 7373 Gateway Blvd.

Newark CA 94560

Company phone : 1-510-648-3553

Population :

Number of potentially involved : 1,539

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2024-2025 Lucid Air Pure RWD

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Certain 2024 and 2025 Lucid Air models were manufactured using a design for the Rear Drive Unit (RDU) subframe wiring harness that was inadvertently shortened from the original design length. This condition can lead to excess stress on the harness connector, either intermittent or complete communications loss, and reduced or complete loss of power from the RDU. On Lucid Air Pure Rear-Wheel Drive (Pure RWD) models, complete loss of power from the RDU results in complete loss of motive power for the vehicle. Accessories such as power steering, power brakes, displays, and signals are not affected.

Lucid determined through manufacturing records that production with the shorter harnesses occurred from November 29, 2023, to October 17, 2024. The recall population is U.S. customer Pure RWD models manufactured in that time frame, a total of 1,539 vehicles. While all Pure RWD vehicles in the production period received the shortened harnesses, approximately 0.4% of customer Pure RWD vehicles have experienced an unwarned complete loss of motive power. Lucid will replace the harnesses on all Pure RWD vehicles with harnesses of the original design length.

Production Dates : NOV 29, 2023 - OCT 17, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Certain 2024 and 2025 Lucid Air models were manufactured with an RDU subframe wiring harness design that was shorter than the original design length.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : RDU subframe wiring harnesses that are too short can cause excess stress on the harness connector, which can lead to reduced or complete loss of power from the RDU. On Pure RWD models, complete loss of power from the RDU results in complete loss of motive power for the vehicle, increasing the risk of a crash.

Description of the Cause : A documentation change inadvertently resulted in procuring RDU subframe wiring harnesses of reduced length.

Identification of Any Warning that can Occur : Owner's may see one or more of the following warning messages prior to or concurrent with a loss of motive power:
Drive System Warning, Contact Customer Care;
Drive System Fault, Contact Customer Care;
Battery System Fault, vehicle powering down in 2 minutes ...;
Driving Power Reduced, Vehicle can be driven but performance may be limited;
Brake System Fault, Drive with caution and contact Customer Care immediately;
Regenerative Braking Temporarily Reduced; or
Automatic Vehicle Hold Fault, Use brake pedal to hold vehicle and contact Customer Care.

Involved Components :

Component Name 1 : RDU Subframe Wiring Harness

Component Description : Rear Drive Unit Subframe Wiring Harness (shortened)

Component Part Number : P11-J55102-01

Component Name 2 : RDU Subframe Wiring Harness

Component Description : Rear Drive Unit Subframe Wiring Harness (shortened)

Component Part Number : P11-J55102-02

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

The original RDU subframe wiring harnesses length design was inadvertently shortened and harnesses with the shortened dimension began to be used in vehicle production starting November 23, 2023. Lucid Quality began investigating service reports of reduced power or power loss accompanied by a variety of related warnings in early June 2024. The first occurrence of an unwarned, complete loss of motive power occurred on June 13, 2024. Through July 13, Quality analyzed reports of 18 reduced power or loss of power occurrences accompanied by various warning messages, including 3 instances of unwarned loss of motive power in Pure RWD vehicles. This issue was referred to Lucid's Product Safety Working Group (PSWG), which opened an investigation with a first meeting held on July 25. Through October 18, the PSWG analyzed information on 37 occurrences associated with this harness length issue, identifying 7 unwarned loss of power events in Pure RWD vehicles. The PSWG determined that in Pure RWD vehicles, which only have a single drive unit, stress due to the reduced harness length could lead to complete harness disconnection and result in an unwarned loss of motive power to the vehicle. The PSWG referred this issue to Lucid's Product Safety Executive Council (PSEC) on October 29, 2024, and the PSEC determined that a recall was required to replace the harnesses in Pure RWD vehicles with harnesses of the original design length.

Description of Remedy :

Description of Remedy Program : Lucid will replace the RDU subframe wiring harness on all Pure RWD vehicles with a harness of the original design length.

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.

How Remedy Component Differs from Recalled Component : Replacement harnesses are of the original design length.

Identify How/When Recall Condition was Corrected in Production : Since October 17, 2024, all Lucid Air vehicles have been manufactured with harnesses of the original design length.

Recall Schedule :

Description of Recall Schedule : Owners of vehicles in the recall population will be notified by email and first-class mail with instructions to contact Lucid Customer Care or a Lucid Service Center so they may schedule their vehicle to receive the recall remedy. There will be NO COST for this service.

Planned Dealer Notification Date : NOV 05, 2024 - NOV 05, 2024

Planned Owner Notification Date : DEC 20, 2024 - DEC 20, 2024

* NR - Not Reported