

Part 573 Safety Recall Report

23V-521

Manufacturer Name : Lucid USA, Inc.**Submission Date :** JUL 27, 2023**NHTSA Recall No. :** 23V-521**Manufacturer Recall No. :** SR-23-03-0**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 : 5,523

Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2022-2023 Lucid Air

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Lucid has determined that on certain model year 2022 and 2023 Lucid Air vehicles, the windshield wiper arm nuts may have loosened from the torqued specification. As a result, one or both wiper arms may experience reduced wiper effectiveness or may cease operation. To date, less than 2% of Lucid Air vehicles have experienced wiper arm loosening. Lucid has determined that increasing the torque applied to the wiper arm nut has resolved the issue in 2,431 vehicles to date, with no recurrences of loosened wiper arm nuts. The affected vehicle population are all Lucid Air vehicles that have not had the increased torque applied, which is currently 5,523 vehicles.

Production Dates : OCT 22, 2021 - JUN 13, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : FMVSS 104 sets a minimum wiping area percentage that must be achieved by the windshield wiper system. With a wiper arm inoperative, the wiping area requirement is not met.

FMVSS 1 : 104 - Windshield wiping and washing systems

FMVSS 2 : NR

Description of the Safety Risk : Reduced wiping function during inclement weather may increase the risk of a crash.

Description of the Cause : Loosening of the wiper arm nuts may cause the wiper arm actuator to spin within the wiper arm attachment, preventing proper wiper arm operation. Lucid is continuing to investigate the cause of the loosening of wiper arm nuts.

Identification of Any Warning : Wiper arms may experience reduced effectiveness prior to becoming that can Occur : inoperative. No other warning of the condition is provided.

Involved Components :

Component Name 1 : Wiper Arm Assembly

Component Description : Heated Wiper Arm Assembly and Blade

Component Part Number : P11-E623PL

Component Name 2 : Wiper Arm Assembly

Component Description : Heated Wiper Arm Assembly and Blade

Component Part Number : P11-E622DL

Component Name 3 : Wiper Arm Assembly

Component Description : Non-Heated Wiper Arm Assembly and Blade

Component Part Number : P11-E625PL

Component Name 4 : Wiper Arm Assembly

Component Description : Non-Heated Wiper Arm Assembly and Blade

Component Part Number : P11-E624DL

Component Name 5 : Wiper Module

Component Description : Wiper Module, Front, LHD

Component Part Number : P11-E6100L

Component Name 6 : Bossard North America, Nut

Component Description : NUT, M10, 10 STEEL, FLANGE, ZN/AL, HEX

Component Part Number : P00-F323CD

Supplier Identification :

Component Manufacturer

Name : Valeo

Address : Parque Industrial, Intermex 1681
Ciudad Juárez Foreign States 32575

Country : Mexico

Chronology :

In December 2022, Lucid received a report of a wiper arm not working in a vehicle brought to a Service Center. Lucid began investigating the issue and discovered 10 reports of similar issues between January and August 2022, then an increase of reported incidents through December 2022. Lucid's Product Safety Working Group (PSWG) was first briefed on the issue on March 28, 2023. Lucid's investigation continued in an attempt to identify the population of vehicles affected by wiper arm loosening. Concurrently, Lucid was testing potential countermeasures involving increased torque values. The PSWG received subsequent briefings in May and June 2023. Lucid implemented a permanent countermeasure of increasing the torque specification at its factory on June 13. Lucid briefed NHTSA about its investigation in May and July. Through July 19, Lucid observed a total of 96 customer incidents of wiper arm torque loosening. The Lucid Product Safety Executive Council (PSEC) determined on July 20 that the wiper arm issue presented a noncompliance with FMVSS 104.

Description of Remedy :

Description of Remedy Program : Owners of affected vehicles will be notified by first class mail with instructions when to contact Lucid to schedule inspection and torquing of wiper arms at NO COST to the customer. If any damaged parts are observed during inspection, those parts will be repaired or replaced. All vehicles will have the wiper arm torqued to the increased torque value.

Lucid will reimburse owners for costs an owner reasonably incurred to obtain a remedy for this defect during the period starting from initial vehicle delivery through 10 days after Lucid's mailing of the owner notification letter concerning this noncompliance. 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 : All wipers on Lucid Air vehicles that have not been torqued to the increased torque value are subject to the recall.

Identify How/When Recall Condition was Corrected in Production : A permanent countermeasure was implemented at Lucid's manufacturing plant on June 13, 2023, to apply the increased torque value.

Recall Schedule :

Description of Recall Schedule : Owners of vehicles in the recall population will be notified by email and first class mail.

Planned Dealer Notification Date : AUG 04, 2023 - AUG 04, 2023

Planned Owner Notification Date : SEP 25, 2023 - SEP 25, 2023

* NR - Not Reported