

# Part 573 Safety Recall Report

# 22V-720

**Manufacturer Name :** Lightning eMotors Inc.**Submission Date :** SEP 27, 2022**NHTSA Recall No. :** 22V-720**Manufacturer Recall No. :** LeM Recall 2022-001**Manufacturer Information :**

Manufacturer Name : Lightning eMotors Inc.

Address : 815 14th Street SW

Suite A100 Loveland CO 80537

Company phone : (970)744-7241

**Population :**

Number of potentially involved : 226

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2022-2022 Lightning eMotors FT3-XXX

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : All vehicles with Glass Cockpit (GCP) digital instrument panel are affected. These vehicles have a digital display that replaces the Ford OEM gauge cluster. Non-affected vehicles have an overlay installed on round gauges. A total of 211 of model FT3-XXX are covered by this action.

Production Dates : JAN 01, 2022 -SEP 12, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2022-2022 Lightning eMotors FE4-XXX

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : All vehicles with Glass Cockpit (GCP) digital instrument panel are affected. These vehicles have a digital display that replaces the Ford OEM gauge cluster. Non-affected vehicles have an overlay installed on round gauges. A total of 15 of model FE4-XXX are covered by this action.

Production Dates : JAN 01, 2022 -SEP 12, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

## Description of Noncompliance :

Description of the Noncompliance : Due to a discrepancy in the instrument panel software, multiple errors can occur: the "BRAKE" telltale may not properly illuminate during a low fluid condition, the ABS telltale may not illuminate for certain ABS system malfunctions, and the ABS telltale is red instead of the required yellow. Accordingly, these vehicles do not comply with Federal motor vehicle safety standard (FMVSS) No. 101, Controls and displays, and FMVSS No. 105, Hydraulic and electric brake systems.

FMVSS 1 : 101 - Control and displays

FMVSS 2 : 105 - Hydraulic and electric brake systems

Description of the Safety Risk : If the telltales do not illuminate properly, the driver may not be properly warned of a low brake fluid condition or ABS malfunction, increasing the risk of a crash.

Description of the Cause : A software discrepancy does not enable appropriate displays for BRAKE and ABS telltales on Glass Cockpit (GCP) display.

Identification of Any Warning that can Occur : NR

## Involved Components :

Component Name 1 : Vehicle Information Display; Dash

Component Description : NR

Component Part Number : 801616

Component Name 2 : Vehicle Information Display; Dash

Component Description : NR

Component Part Number : 801618

Component Name 3 : Vehicle Information Display; Dash

Component Description : NR

Component Part Number : 801613

## Supplier Identification :

## Component Manufacturer

Name : Lightning eMotors, Inc.  
Address : 815 14th Street SW  
Suite A100 Loveland Colorado 80537  
Country : United States

## Chronology :

8/19/2022: Lightning eMotors (LeM) received preliminary notification from TRC (3rd party testing facility) of potential concerns related to instrument panel that were noted by TRC during FMVSS compliance testing.  
8/20/2022: LeM's technical team evaluated the preliminary report from TRC and escalated the issue to LeM's legal and compliance team for evaluation.  
8/22/2022: Vehicles at factory and in production were placed on Quality hold pending the investigation.  
9/12/2022: A software update was validated and implemented into production.  
9/20/2022: The Final Test Report from TRC was received by LeM; LeM's Recall Committee met and a noncompliance determination was made.  
There have been no reports of accidents, injuries, customer complaints, or warranty claims related to this condition.

## Description of Remedy :

Description of Remedy Program : LeM will notify vehicle owners of the noncompliance and arrangements will be made to update the software on their vehicles free of charge.

Pursuant to 49 CFR 577.11(e), LeM requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

How Remedy Component Differs from Recalled Component : The instrument panel software will be updated with the following software versions:

FT3-XXX: T350\_EVCU\_3-0-24\_711\_001 (8/26/2022) and  
T350\_GCP\_1\_2\_3.pv1 OR 78700634 (8/26/2022)

FE4-XXX: E450\_EVCU\_RomeoGateway\_1-1-11\_295\_003 (8/26/2022) and  
E450\_GCP\_PV1200\_1\_1\_1.pv1 OR 78700634 (8/26/2022)

Identify How/When Recall Condition was Corrected in Production : Remedy software update for production vehicles was implemented on 9/12/2022.

**Recall Schedule :**

Description of Recall Schedule : There are no affected dealers and, therefore, LeM will not be issuing a dealer notification (no “Dealer Notification” schedule).

Owners will be notified in accordance with the “Planned Owner Notification” dates.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : OCT 24, 2022 - OCT 28, 2022

\* NR - Not Reported