

Part 573 Safety Recall Report

23V-207

Manufacturer Name : Lightning eMotors Inc.

Submission Date : MAR 27, 2023

NHTSA Recall No. : 23V-207

Manufacturer Recall No. : 2023-001



Manufacturer Information :

Population :

Manufacturer Name : Lightning eMotors Inc.

Number of potentially involved : 148

Address : 815 14th Street SW

Estimated percentage with defect : 100 %

Suite A100 Loveland CO 80537

Company phone : (970)744-7241

Vehicle Information :

Vehicle 1 : 2020-2020 Lightning eMotors FT3-43

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : All Lightning eMotors vehicles equipped with eMatrix Battery Packs are affected. Vehicles not affected by this recall are equipped with Proterra or Romeo Battery Packs. This recall affects 9 vehicles.

Production Dates : JAN 01, 2020 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2019-2022 Lightning eMotors FT3-86

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : All Lightning eMotors vehicles equipped with eMatrix Battery Packs are affected. Vehicles not affected by this recall are equipped with Proterra or Romeo Battery Packs. This recall affects 93 vehicles.

Production Dates : JAN 01, 2019 - FEB 01, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2020-2020 Lightning eMotors FE4-86

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : All Lightning eMotors vehicles equipped with eMatrix Battery Packs are affected. Vehicles not affected by this recall are equipped with Proterra or Romeo Battery Packs. This recall affects 6 vehicles

Production Dates : JAN 01, 2020 - DEC 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2021 Lightning eMotors FE4-129

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : All Lightning eMotors vehicles equipped with eMatrix Battery Packs are affected. Vehicles not affected by this recall are equipped with Proterra or Romeo Battery Packs. This recall affects 40 vehicles.

Production Dates : JAN 01, 2019 - FEB 01, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Defective structural welds and internal radiator leaks have been found in the battery packs of this population of vehicles. Structural failure or internal coolant leaks of an eMatrix battery may result in isolation faults and cell imbalances.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Defective structural welds and internal radiator leaks could result in failure of traction drive increasing the potential for collisions, and thermal runaway of Traction Batteries which could result in vehicle fires.

Description of the Cause : Structural failure or internal coolant leaks of an eMatrix battery may result in isolation faults and cell imbalances.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Traction Battery, eMatrix

Component Description : TRACTION BATTERY; Ematrix; 43.2KWh; 352V; M35E

Component Part Number : 811-09

Component Name 2 : Traction Battery, eMatrix

Component Description : TRACTION BATTERY; Ematrix; 43.2KWh; 352V; M36

Component Part Number : 811-010

Component Name 3 : Traction Battery, eMatrix

Component Description : TRACTION BATTERY; Ematrix; LG MH1 cells; MH-1

Component Part Number : 811-011

Component Name 4 : Traction Battery, eMatrix

Component Description : TRACTION BATTERY; Ematrix; 42.6KWh; 375V; M48

Component Part Number : 811-012

Supplier Identification :

Component Manufacturer

Name : eMatrix

Address : 21520 Bridge St
Southfield Michigan 48033

Country : United States

Chronology :

To be provided.

Description of Remedy :

Description of Remedy Program : Remedy Program is under development at this time.

How Remedy Component Differs from Recalled Component : Remedy Program is under development at this time.

Identify How/When Recall Condition was Corrected in Production : eMatrix Battery Packs were removed from production by design in early MY2022.

Recall Schedule :

Description of Recall Schedule : Recall notification schedule is under development at this time.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported