

Part 573 Safety Recall Report

23V-367

Manufacturer Name : General Motors, LLC**Submission Date :** OCT 19, 2023**NHTSA Recall No. :** 23V-367**Manufacturer Recall No. :** N232404441**Manufacturer Information :****Population :**

Manufacturer Name : General Motors, LLC

Number of potentially involved : 33

Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI
48093

Estimated percentage with defect : 100 %

Company phone : 586-596-1733

Vehicle Information :

Vehicle 1 : 2023-2023 Cadillac LYRIQ

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Battery module test data, part traceability data, and manufacturing records were used to identify vehicles that received a battery pack with one or more suspect battery modules.

29 Cadillac LYRIQ vehicles are affected by this recall.

Production Dates : FEB 14, 2023 - MAR 29, 2023

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2022-2023 GMC HUMMER EV Pickup

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Battery module test data, part traceability data, and service records were used to identify the vehicle that received a battery pack with one or more suspect battery modules.

4 GMC HUMMER EV Pickup vehicles are affected by this recall.

Production Dates : JAN 28, 2022 - MAR 23, 2023

VIN Range 1 : Begin : NR End : NR

 Not sequential

Description of Defect :

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2023 model year Cadillac LYRIQ vehicles and 2022 - 2023 model year GMC HUMMER EV Pickup vehicles. Certain connections within the high-voltage battery pack in these vehicles may be out of position or may not have been correctly welded in the manufacturing process.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Under certain circumstances the vehicle may enter a reduced propulsion mode or lose propulsion, which may increase the risk of a crash.

Description of the Cause : A change in the battery module end-of-line testing equipment software temporarily disabled the pass/fail logic within the equipment.

Identification of Any Warning that can Occur : A battery warning light and "Service High Voltage System" message will display in the instrument panel. A "Charging Disabled" or "Vehicle Will Not Restart" message will also display.

Involved Components :

Component Name 1 : HV Battery Pack Assembly

Component Description : High Voltage Battery Pack

Component Part Number : 24053259, 24053325

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On March 22, 2023, a GM engineer submitted an issue to GM's Speak Up For Safety program after identifying certain battery modules containing conditions that were not detected during end-of-line testing. GM opened a product investigation on April 11, 2023.

GM's investigation determined that the pass/fail logic in certain battery module end-of-line test equipment was

disabled on January 19, 2023 during a software maintenance update and inadvertently not reenabled until March 20, 2023. Manufacturing data was analyzed to identify battery packs containing suspect modules built during this production period. On May 18, 2023, GM's Safety and Field Action Decision Authority (SFADA) decided to conduct a safety recall on five affected vehicles that had been released to the field.

Subsequently, on August 30, 2023, a GM data analytics engineer submitted an issue to GM's Speak Up For Safety program after discovering that additional suspect vehicles may have been released from the assembly plants without having had the required battery replacements performed. Telematics and manufacturing data were used to determine 29 vehicles were potentially affected. 28 of these vehicles are located in the US. On October 12, 2023, GM's Safety and Field Action Decision Authority decided to add these additional vehicles to the safety recall.

GM's investigation has not identified any field claims related to this condition.

Description of Remedy :

Description of Remedy Program :	Dealers will inspect and, if necessary, replace the high voltage battery pack. Pursuant to 49 C.F.R. § 573.13(d)(1), all covered vehicles are under warranty, so reimbursement is not offered.
How Remedy Component Differs from Recalled Component :	Replacement high voltage battery packs contain modules that passed complete end-of-line testing.
Identify How/When Recall Condition was Corrected in Production :	Pass/fail logic within battery module end-of-line test equipment was reenabled on March 20, 2023. Containment efforts were initiated on March 23, 2023.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified on May 25, 2023. Customer notification is estimated to begin on July 10, 2023. This recall will be executed under two bulletins: N232404441 and N232404442.
Planned Dealer Notification Date :	MAY 25, 2023 - MAY 25, 2023
Planned Owner Notification Date :	JUL 10, 2023 - JUL 10, 2023

* NR - Not Reported