

# Part 573 Safety Recall Report

# 24V-589

**Manufacturer Name :** General Motors, LLC**Submission Date :** AUG 08, 2024**NHTSA Recall No. :** 24V-589**Manufacturer Recall No. :** N242453471**Manufacturer Information :**

Manufacturer Name : General Motors, LLC

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

Company phone : 586-596-1733

**Population :**

Number of potentially involved : 21,469

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2023-2024 Cadillac LYRIQ

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine vehicles that may experience the defect condition.

This recall only involves all-wheel drive vehicles. Rear-wheel drive vehicles are not affected by this recall.

Production Dates : DEC 14, 2022 - AUG 05, 2024

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 may exist in certain 2023 – 2024 model year Cadillac LYRIQ all-wheel drive vehicles. In rare circumstances, during certain braking events on dry surfaces at speeds below 25 mph, the vehicle may exhibit overly sensitive anti-lock braking system (ABS) control. In these conditions, if ABS falsely activates and a specific sequence of wheel movements occurs, the vehicle's ABS system will continue to release the braking pressure in the vehicle's service brake system.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A release of braking pressure can cause the service brakes to have reduced stopping performance or become inoperative, increasing the risk of a crash.

Description of the Cause : This condition is caused by a software defect in the electronic brake control module (EBCM).

Identification of Any Warning NR  
that can Occur :

## Involved Components :

Component Name 1 : DATA FILE-ELEK BRK BOOS CONT MDL OP SYS

Component Description : Electronic Brake Control Module (EBCM) Software

Component Part Number : 85790899, 85084422, 85790899, 85788894

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On May 31, 2024 GM opened a product investigation into the subject condition after extensive engineering analysis and testing determined that two reports of minor accidents resulting from an alleged loss of braking may have been attributable to a software issue in the vehicles' ABS. Reports relating to these vehicles were received by GM on February 15, 2024 and March 12, 2024. GM was also made aware of a separate potentially related field complaint, not involved in an accident, on October 14, 2023.

GM's investigator retrieved and reviewed potentially related field data and identified no additional reports that may be related to the condition. GM's investigation confirmed that the condition can only occur under very rare circumstances: during a false ABS event on a dry road surface at a speed below 25 mph, a specific series of wheel movements causes the vehicle's ABS system to continue to command the release of brake pressure in the vehicle's service brake system. GM is not aware of any injuries or fatalities associated with this condition. On August 1, 2024, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall. GM provides the software involved with this recall.

## Description of Remedy :

Description of Remedy Program : General Motors will update the software in the vehicles' Electronic Brake Control Module (EBCM) to correct the condition. Owners who have accepted applicable terms and conditions will have the opportunity to accept these software changes using wireless over-the-air (OTA) technology without having to bring their vehicle to a dealership. Alternatively, owners may schedule to have the updates performed at a GM dealer.  
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 : Updated software corrects the condition that falsely detects wheel slippage.

Identify How/When Recall Condition was Corrected in Production : Containment efforts were initiated at GM's assembly plant on August 2, 2024.

## Recall Schedule :

Description of Recall Schedule : Dealers will be notified on August 8, 2024. Owner notification is estimated to begin on September 23, 2024.

Planned Dealer Notification Date : AUG 08, 2024 - AUG 08, 2024

Planned Owner Notification Date : SEP 23, 2024 - SEP 23, 2024

\* NR - Not Reported