

Part 573 Safety Recall Report

24V-674

Manufacturer Name : General Motors, LLC

Submission Date : SEP 20, 2024

NHTSA Recall No. : 24V-674

Manufacturer Recall No. : N242447990



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 : 449,671

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Chevrolet Silverado 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 59,175 Chevrolet Silverado 1500 vehicles involved in this recall.

Production Dates : JAN 04, 2023 - APR 27, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2023-2024 Chevrolet Tahoe

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 134,854 Chevrolet Tahoe vehicles involved in this recall.

Production Dates : OCT 28, 2022 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2023-2024 Chevrolet Suburban

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 65,411 Chevrolet Suburban vehicles involved in this recall.

Production Dates : OCT 28, 2022 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2023-2023 GMC Sierra 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 35,989 GMC Sierra 1500 vehicles involved in this recall.

Production Dates : JAN 11, 2023 - APR 26, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2023-2024 GMC Yukon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 57,083 GMC Yukon vehicles involved in this recall.

Production Dates : OCT 28, 2022 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2023-2024 GMC Yukon XL

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 44,945 GMC Yukon XL vehicles involved in this recall.

Production Dates : OCT 28, 2022 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2023-2024 Cadillac Escalade

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 33,005 Cadillac Escalade vehicles involved in this recall.

Production Dates : OCT 28, 2022 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2023-2024 Cadillac Escalade ESV

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to determine the affected vehicles.

There are 19,209 Cadillac Escalade ESV vehicles involved in this recall.

Production Dates : AUG 19, 2022 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : General Motors has decided that certain 2023 model year Chevrolet Silverado 1500 and GMC Sierra 1500 vehicles and 2023-2024 model year Chevrolet Tahoe, Chevrolet Suburban, GMC Yukon, GMC Yukon XL, Cadillac Escalade, and Cadillac Escalade ESV vehicles fail to conform to S5.5.1 (a) (1) of Federal Motor Vehicle Safety Standard (FMVSS) No. 135 "Light Vehicle Brake Systems." A driver may not receive an indicator of a loss of brake fluid before the level is below FMVSS 135's requirement.

FMVSS 1 : 135 - Light vehicle brake systems

FMVSS 2 : NR

Description of the Safety Risk : In the event of a brake fluid leak, the vehicle's brake pedal performance may degrade before the BRAKE telltale timely illuminates in accordance with FMVSS 135, increasing the risk of a crash. In the event of a brake fluid leak, affected vehicles still meet FMVSS 135's stopping-distance requirements.

Description of the Cause : The condition is caused by a mismatch between the electronic brake control module (eBCM) software and eBCM calibrations.

Identification of Any Warning that can Occur : A red brake telltale will appear before total loss of brake fluid occurs.

Involved Components :

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

Component Description : Electronic Brake Control Module Data File

Component Part Number : 86516047; 85666396

Supplier Identification :

Component Manufacturer

Name : ZF North America, Inc.

Address : 15811 Centennial Drive
Northville Michigan 48168

Country : United States

Chronology :

A GM engineer submitted this issue to GM's Speak Up For Safety (SUFS) program on April 18, 2024 after observing no illumination of the required telltale during a forced brake fluid leak test. GM opened a product investigation on April 30, 2024. The investigation found that a mismatch in the eBCM software and eBCM calibrations released to vehicles at the assembly plant causes the system to fail to detect and notify of a brake fluid leak when required by FMVSS No. 135. GM is not aware of any crashes or injuries associated with this condition. On September 5, 2024, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a noncompliance 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. For vehicles that are capable of receiving over-the-air (OTA) updates, owners who have accepted applicable terms and conditions will have the opportunity to accept these software changes using 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 : The remedy component has updated eBCM software.

Identify How/When Recall Condition was Corrected in Production : The updated eBCM Software was implemented on vehicles produced after 8/1/2024.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on September 12, 2024. Owner notification is estimated to begin on October 28, 2024.

Planned Dealer Notification Date : SEP 12, 2024 - SEP 12, 2024

Planned Owner Notification Date : OCT 28, 2024 - OCT 28, 2024

* NR - Not Reported