

# Part 573 Safety Recall Report

# 24V-237

**Manufacturer Name :** General Motors, LLC**Submission Date :** MAR 28, 2024**NHTSA Recall No. :** 24V-237**Manufacturer Recall No. :** N232431480**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 : 17

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2023-2023 Chevrolet Colorado

Vehicle Type :

Body Style :

Power Train : NR

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

Manufacturing data was reviewed to exclude vehicles with bolts that were properly torqued during installation.

There are 14 Chevrolet Colorado vehicles affected by this recall.

Production Dates : FEB 02, 2023 - NOV 16, 2023

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2023-2023 GMC Canyon

Vehicle Type :

Body Style :

Power Train : NR

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

Manufacturing data was reviewed to exclude vehicles with bolts that were properly torqued during installation.

There are 3 GMC Canyon vehicles affected by this recall.

Production Dates : MAR 03, 2023 - MAR 28, 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 may exist in certain 2023 model year Chevrolet Colorado and GMC Canyon vehicles. These vehicles may contain one or more front wheel hub bolts that were over-torqued and potentially damaged during installation.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : These bolts may be deformed and may loosen over time. If a bolt breaks during vehicle operation, this could place excessive load on the remaining bolts and lead to partial loss of vehicle control, increasing the risk of a crash.

Description of the Cause : An assembly process change was not properly implemented to prevent the in-plant assembly contractor from over-torquing during installation.

Identification of Any Warning that can Occur : If a damaged bolt loosens, the driver may hear noise or feel vibration from the affected front wheel hub.

**Involved Components :**

Component Name 1 : BOLT FRT WHL HUB

Component Description : Front Wheel Hub Bolt

Component Part Number : 11603662, 11604849

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

On November 17, 2023, an engineer at GM's assembly plant submitted this issue to GM's Speak Up For Safety (SUFS) program after discovery of four front wheel hub bolts with signs of deformation on Chevrolet Colorado and GMC Canyon vehicles. The discovery was made shortly after the November 9, 2023, implementation of a torque strategy change for installation of the bolts, which the plant rescinded as a precaution on November 16, 2023. GM opened a product investigation on January 5, 2024.

GM's investigation found that the torque strategy change did not include fail-safe measures to prevent the in-plant assembly contractor from initiating multiple tightening attempts on the same bolt, leading to potential over-torquing during installation. On March 21, 2024, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall. GM is not aware of any field incidents or complaints associated with this defect.

## Description of Remedy :

Description of Remedy Program : Dealers will replace left and right front wheel hub bolts. 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 : Front wheel hub bolts will be replaced with new, unused bolts.

Identify How/When Recall Condition was Corrected in Production : The assembly process issue was addressed at GM's assembly plant on November 16, 2023. Process improvements to detect deformation and to prevent more than two tightening attempts on the same bolt were fully implemented by November 20, 2023.

## Recall Schedule :

Description of Recall Schedule : Dealers will be notified on March 28, 2024. Owner notification is estimated to begin on May 13, 2024.

Planned Dealer Notification Date : MAR 28, 2024 - MAR 28, 2024

Planned Owner Notification Date : MAY 13, 2024 - MAY 13, 2024

\* NR - Not Reported