

Part 573 Safety Recall Report

24V-797

Manufacturer Name : General Motors, LLC**Submission Date :** OCT 24, 2024**NHTSA Recall No. :** 24V-797**Manufacturer Recall No. :** N242454440**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 : 413,498

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2021 Cadillac Escalade

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : 2021 Cadillac Escalade Manufacturing records were used to determine vehicles that may experience the defect condition.

This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 885 Cadillac Escalade vehicles affected by this recall.

Production Dates : AUG 17, 2020 - SEP 21, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Cadillac Escalade ESV

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 635 Cadillac Escalade ESV vehicles affected by this recall.

Production Dates : AUG 17, 2020 - SEP 21, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2020-2022 Chevrolet Silverado 1500

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

2022 Silverado 1500 vehicles produced after March 21, 2022 are not affected by this recall.

There are 66,897 Chevrolet Silverado 1500 vehicles affected by this recall.

Production Dates : MAY 13, 2019 - MAR 21, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2021 Chevrolet Silverado 2500/3500

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 140,078 Chevrolet Silverado 2500/3500 vehicles affected by this recall.

Production Dates : JAN 28, 2019 - JUL 13, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2021-2021 Chevrolet Suburban

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 2,525 Chevrolet Suburban vehicles affected by this recall.

Production Dates : AUG 17, 2020 - SEP 17, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2021-2021 Chevrolet Tahoe

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 3,858 Chevrolet Tahoe vehicles affected by this recall.

Production Dates : AUG 18, 2020 - SEP 16, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2020-2022 GMC Sierra 1500

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

2022 Sierra 1500 vehicles produced after March 21, 2022 are not affected by this recall.

There are 80,033 GMC Sierra 1500 vehicles affected by this recall.

Production Dates : MAY 15, 2019 - MAR 18, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2020-2021 GMC Sierra 2500/3500

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 113,445 GMC Sierra 2500/3500 vehicles affected by this recall.

Production Dates : JAN 18, 2019 - JUL 13, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2021-2021 GMC Yukon

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 2,980 GMC Yukon vehicles affected by this recall.

Production Dates : AUG 17, 2020 - SEP 22, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2021-2021 GMC Yukon XL

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 vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.

There are 2,162 GMC Yukon XL vehicles affected by this recall.

Production Dates : AUG 17, 2020 - SEP 22, 2021

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: 2020 – 2022 Chevrolet 1500 and GMC Sierra 1500; 2020 – 2021 model year Chevrolet Silverado 2500/3500 and GMC Sierra 2500/3500; and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resulting in a gradual loss of pressure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experience a momentary lock up.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the rear wheels lock-up momentarily while driving, there is increased risk of a crash.

Description of the Cause : Excessive wear within the transmission control valve body can cause a fluid leak leading to a pressure drop that causes certain valves to move unexpectedly.

Identification of Any Warning that can Occur : Drivers may notice harsh shifting.

Involved Components :

Component Name 1 : VALVE, CONT (W/BODY & VLV)

Component Description : Transmission Control Valve Body

Component Part Number : 24053053, 24048701, 24298877, 24299093, 24043767, 24049465, 24044192, 24047995

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On June 5, 2024, a GM engineer submitted a report to GM's Speak Up for Safety (SUFS) program based on a customer claim that the wheels on a 2021 Sierra 2500 HD pickup allegedly locked up while towing a trailer, resulting in property damage to the vehicle and trailer. GM opened a new investigation into the condition on July 16, 2024.

GM previously investigated this condition and determined that, in some applications, excessive wear in a control valve in these transmissions was causing harsh downshifting and, in rare cases, a momentary (<150 ms) lock up of the rear wheels. Prior testing and analysis indicated this lockup was not sufficient to cause a loss of vehicle control, and GM had identified no reports of accidents or injuries associated with the condition.

On July 29, 2024, NHTSA notified GM that its VOQ monitoring process had identified new potentially related reports. GM's investigator completed analysis of the VOQs and a comprehensive field data search on September 17, 2024, which identified 1,888 field reports alleging a "lock up" potentially related to this

condition. GM received these reports between January 30, 2020 and August 2, 2024. GM also identified eleven alleged incidents potentially related to the condition, including vehicles veering off the roadway and, in some cases, incurring minor property damage. Three minor injuries were also reported, none of which were associated with a collision. GM and NHTSA also discussed a potentially related vehicle owner questionnaire (VOQ) in January 2024.

On October 17, 2024, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will install new transmission control module software that will monitor valve performance and detect excess wear approximately 10,000 miles before a wheel lock up condition could occur. Once detected, the transmission will be limited to fifth gear, preventing the possibility of a wheel lock up condition, which occurs in a downshift from eighth gear. A service engine light and reduced propulsion message will also display in the instrument panel.

Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted under USG 5916 on May 12, 2023.

How Remedy Component Differs from Recalled Component : The new transmission control software will detect this condition and prevent rear wheel lock-up by placing the transmission into fifth gear until the next key cycle. This will be accompanied by a service engine light and reduced propulsion message. The driver will experience this as sluggish or reduced propulsion.

Identify How/When Recall Condition was Corrected in Production : All 2022 model year Silverado 1500 and Sierra 1500 vehicles produced after March 21, 2022 were built with new transmission control software that detects excessive wear. The new transmission control software was implemented for all other affected models at the start of the 2022 model year production.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on October 24, 2024. Owner notification is estimated to begin on December 9, 2024.

Planned Dealer Notification Date : OCT 24, 2024 - OCT 24, 2024

Planned Owner Notification Date : DEC 09, 2024 - DEC 09, 2024

* NR - Not Reported