

Part 573 Safety Recall Report

25V-148

Manufacturer Name : General Motors, LLC

Submission Date : MAR 26, 2025

NHTSA Recall No. : 25V-148

Manufacturer Recall No. : N242480630



Manufacturer Information :

Manufacturer Name : General Motors, LLC

Address : 29427 Louis Chevrolet Road
480-210-2V Warren MI 48093

Company phone : 586-596-1733

Population :

Number of potentially involved : 90,081

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2021 Cadillac CT4

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 the 10-speed transmission. Vehicles equipped with other transmissions are not affected by this recall.

There are 2235 Cadillac CT4 vehicles affected by this recall.

Production Dates : SEP 11, 2019 - DEC 22, 2021

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 2 : 2020-2021 Cadillac CT5

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 the 10-speed transmission. Vehicles equipped with other transmissions are not affected by this recall.

There are 27,097 Cadillac CT5 vehicles affected by this recall.

Production Dates : MAY 29, 2019 - DEC 22, 2021

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 3 : 2019-2020 Cadillac CT6

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 the 10-speed transmission. Vehicles equipped with other transmissions are not affected by this recall.

There are 10,602 Cadillac CT6 vehicles affected by this recall.

Production Dates : JUN 26, 2018 - JAN 24, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2020-2022 Chevrolet Camaro

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 the 10-speed transmission. Vehicles equipped with other transmissions are not affected by this recall.

There are 50,147 Chevrolet Camaro vehicles affected by this recall.

Production Dates : APR 15, 2019 - JUN 28, 2022

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: 2019 – 2020 model year Cadillac CT6, 2020 – 2021 model year Cadillac CT4 and CT5, and 2020 – 2022 model year Chevrolet Camaro vehicles equipped with a 10-speed transmission. 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 wheels may experience a momentary lock up.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the 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 : Recalled Component Name: VALVE, CONT (W/BODY & VLV

Component Description : Transmission Control Valve Body

Component Part Number : 24049466, 24043769, 24047993, 24043769, 2403771, 24049469, 24047995

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On September 27, 2024, a GM brand quality manager submitted a report to GM’s Speak Up for Safety (SUFS) program following notification by a driver of a 2021 Cadillac CT5 who reported that both front tires locked up while driving. Following the lock-up, the vehicle went into “neutral.” Due to damage, the vehicle was towed and the damaged engine and front differential were subsequently replaced.

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 wheels. Prior testing and analysis indicated this lockup was not sufficient to cause a loss of vehicle control, and, at that time, GM identified no reports of accidents or injuries associated with the condition.

GM opened a new investigation into this condition on November 21, 2024. GM’s investigator completed an analysis of a comprehensive field data search on December 18, 2024, which identified 115 field reports alleging a lock-up potentially related to this condition, including one alleged accident. GM received these reports between February 17, 2022 and November 12, 2024. On February 27, 2025, 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 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 :	2021 model year Cadillac CT6, 2022 model year Cadillac CT4 and CT5, and 2023 model year Chevrolet Camaro vehicles were built with new transmission control software that detects excessive wear.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified on March 6, 2025. This will be a phased launch. This is a phased launch, Owner notification is estimated to begin on April 21, 2025 and complete by September 16, 2025.
Planned Dealer Notification Date :	MAR 06, 2025 - MAR 06, 2025
Planned Owner Notification Date :	SEP 16, 2025 - SEP 16, 2025

* NR - Not Reported