

Part 573 Safety Recall Report

25V-175

Manufacturer Name : General Motors, LLC**Submission Date :** MAR 20, 2025**NHTSA Recall No. :** 25V-175**Manufacturer Recall No. :** N252497020**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 : 934

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2016-2018 Cadillac CTS

Vehicle Type :

Body Style :

Power Train : NR

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

Vehicles that have a steering gear assembly from outside of the suspect supplier manufacturing window are not affected by this recall.

There are 104 Cadillac CTS vehicles affected by this recall.

Production Dates : JUL 01, 2016 - JUL 27, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2018 Cadillac ATS

Vehicle Type :

Body Style :

Power Train : NR

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

Vehicles that have a steering gear assembly from outside of the suspect supplier manufacturing window are not affected by this recall.

There are 94 Cadillac ATS vehicles affected by this recall.

Production Dates : AUG 03, 2016 - SEP 11, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2018 Chevrolet Camaro

Vehicle Type :

Body Style :

Power Train : NR

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

Vehicles that have a steering gear assembly from outside of the suspect supplier manufacturing window are not affected by this recall.

There are 536 Chevrolet Camaro vehicles affected by this recall.

Production Dates : AUG 04, 2016 - JUL 27, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2017-2018 Chevrolet Corvette

Vehicle Type :

Body Style :

Power Train : NR

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

Vehicles that have a steering gear assembly from outside of the suspect supplier manufacturing window are not affected by this recall.

There are 200 Chevrolet Corvette vehicles affected by this recall.

Production Dates : JUL 27, 2016 - JUN 29, 2017

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: 2016 – 2018 model year Cadillac CTS and 2017 – 2018 model year Cadillac ATS and Chevrolet Camaro and Corvette vehicles. These vehicles may experience a loss of electric power steering (EPS) assist while driving. Loss of EPS assist may last an entire ignition cycle, but may return once the vehicle is restarted. Customers may experience this condition during subsequent ignition cycles.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If power steering assist is lost, manual steering functionality is retained but would require increased effort, particularly at lower speeds, increasing the

Description of the Cause : risk of a crash.
A manufacturing error at the power steering supplier affected electrical connectivity on the printed circuit board within the steering gear assembly. The connectivity issues could result in intermittent open circuits and a loss of EPS assist.

Identification of Any Warning that can Occur : If power steering assist is lost (i.e., the vehicle reverts to manual steer), a driver information center (DIC) message and audible chime will occur within a few seconds of the intermittent condition and may alert the driver of an EPS problem.

Involved Components :

Component Name 1 : GEAR ASM-ELEC BELT DRIVE R/PINION STRG
Component Description : Steering Gear Assembly
Component Part Number : 84160622, 84160623, 84160636, 84160641, 84165718, 84226078, 84233270, 84233271, 84233273, 84233274

Component Name 2 : GEAR ASM-ELEC BELT DRIVE R/PINION STRG
Component Description : Steering Gear Assembly
Component Part Number : 84233275, 84233276, 84233277, 84233278, 84233280, 84237807

Supplier Identification :

Component Manufacturer

Name : Robert Bosch Automotive Steering LLC
Address : 15 Spiral Drive
Florence Kentucky 41042
Country : United States

Chronology :

On January 6, 2025, NHTSA asked GM to investigate a customer complaint regarding a 2017 Chevrolet Camaro that exhibited a steering gear failure similar to the condition at issue in GM recall 19V086.

GM requested that GM's power steering supplier confirm that the original steering gear installed in this vehicle was from outside of the recall build window. Utilizing software tools that were not available at the time of the

original recall, GM's supplier was now able to more thoroughly cross-reference data from various steps in their manufacturing process. On January 27, 2025, GM's supplier notified GM that 1017 VINs that were not originally identified as part of the 19V086 recall population were built with suspect parts. This included the VIN provided to GM by NHTSA. 934 of these vehicles are in the US. On February 7, 2025, a report was submitted to GM's Speak Up for Safety (SUFS) program and a product investigation was opened on February 14, 2025.

On March 4, 2025, GM's investigator completed an analysis of field data associated with the newly identified VINs. That analysis found 43 field complaints potentially related to this condition. These were received by GM between January 27, 2017 and December 5, 2024 and did not include any accidents or injuries. On March 13, 2025, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program :	Dealers will replace the power steering gear assembly. 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 :	Steering gear assemblies used for remedy do not contain printed circuit boards produced during the suspect production window at the supplier.
Identify How/When Recall Condition was Corrected in Production :	The supplier corrected the associated tooling condition on June 9, 2017.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified on March 20, 2025. Owner notification is estimated to begin on May 5, 2025.
Planned Dealer Notification Date :	MAR 20, 2025 - MAR 20, 2025
Planned Owner Notification Date :	MAY 05, 2025 - MAY 05, 2025

* NR - Not Reported