

Part 573 Safety Recall Report**16V-054****Manufacturer Name :** General Motors LLC**Submission Date :** JAN 27, 2016**NHTSA Recall No. :** 16V-054**Manufacturer Recall No. :** 15595**Manufacturer Information :**

Manufacturer Name : General Motors LLC

Address : 30001 VAN DYKE

MAIL CODE 480-210-2V WARREN MI 48090

Company phone : 5961733

Population :

Number of potentially involved : 2,988

Estimated percentage with defect : 85

Vehicle Information :

Vehicle : 2015-2015 Chevrolet Colorado

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 Chevrolet Colorado vehicles

Production Dates : JAN 06, 2015 - MAR 17, 2015

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2015-2015 GMC Canyon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 GMC Canyon vehicles

Production Dates : JAN 06, 2015 - MAR 19, 2015

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2015 Chevrolet Colorado and GMC Canyon vehicles. These vehicles may experience loss of power steering assist at startup or while driving due to a poor electrical connection within the torque-sensor harness connector.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If power steering assist is lost or reduced, steering control can still be maintained but would require an increased steering effort, particularly at lower speeds, which presents a greater risk of a crash.

Description of the Cause : In the affected vehicles, the torque-sensor harness connector was damaged during functional testing at the supplier. A “stuck” pin on the steering gear supplier’s test device caused permanent deformation to the contact springs in the torque-sensor harness connector, which affected the electrical connection in the steering gear connector.

Identification of Any Warning that can Occur : If loss of connection occurs, power steering assist is lost (i.e., the vehicle reverts to manual steer), a malfunction indicator light displays on the instrument panel and a chime sounds to inform the driver.

Supplier Identification :

Component Manufacturer

Name : Mando America Corporation

Address : 955 Meriwether Park Dr
Hogansville GEORGIA 30230

Country : United States

Chronology :

On May 13, 2015, a GM engineer submitted an issue relating to claims for loss of power steering assist in the subject vehicles to GM’s Speak Up for Safety (SUFS) program. On August 1, 2015, GM opened a formal product investigation.

At the outset of the investigation, the condition was reported to be a lower-severity, “intermittent” loss of power steering assist and reversion to manual steering mode. The investigator learned that, on March 4, 2015, the supplier of the steering gear assembly had modified its test equipment to repair a “stuck pin” that could damage the electrical connectors in the steering gear assembly connector during the assembly process. From available data, damaged electrical connectors in the steering gear assembly connector appeared to be the cause of higher-than-expected warranty returns in the steering gear assemblies for these vehicles. In the course of the investigation, the investigator searched for any accidents or injuries that might be associated with this condition and was unable to find any.

On November 24, 2015, a GM employee who had been experiencing this condition provided GM’s safety investigator additional first-hand details regarding the frequency and nature of the loss of steering assist. This information led the investigator to determine that the severity of this issue was higher than originally thought (even though the investigator could identify no field data for accidents or injuries relating to this condition) as the condition was not “intermittent” as had been previously reported, but rather, the condition would persist through an entire key cycle if it were to occur.

This investigation was reviewed in GM’s Open Investigation Review on January 11, 2016 and on January 20, 2016, GM’s Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will replace steering gear pinion sensor cover assembly. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 20, 2015.

How Remedy Component Differs from Recalled Component : Replacement components do not have pins damaged by test equipment.

Recalled Component Name: Torque Sensor Cover Assembly Kit

Recalled Component Description: Steering Gear Torque Sensor Cover Assembly

Recalled Component Part Number: 84057230

Identify How/When Recall Condition was Corrected in Production : Test equipment at the supplier was modified to prevent connector damage. This corrected the condition on vehicles built after March 17, 2015.

Recall Schedule :

Description of Recall Schedule : General Motors will notify dealers on January 27, 2016. General Motors will provide owner letter mail dates when available.

Planned Dealer Notification Date : JAN 27, 2016 - JAN 27, 2016

Planned Owner Notification Date : NR - NR

* NR - Not Reported