Part 573 Safety Recall Report 16V-069

Manufacturer Name : General Motors LLC
Submission Date : SEP 04, 2018
NHTSA Recall No. : 16V-069
Manufacturer Recall No. : 20760

NHTSA
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

Manufacturer Information :

Manufacturer Name : General Motors LLC
Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI 48093
Company phone : 5961733

Population :

Number of potentially involved : 430,771
Estimated percentage with defect : 99 %

Vehicle Information :

Vehicle 1 : 2015-2016 Chevrolet Silverado 2500/3500 Heavy Duty Pickup Trucks
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : Certain 2015 – 2016 Chevrolet Silverado 2500/3500 Heavy Duty Pickup Trucks
Production Dates : OCT 01, 2013 - FEB 01, 2016
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2015-2016 Chevrolet Tahoe PPV Vehicles
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : Certain 2015-2016 Chevrolet Tahoe PPV vehicles
Production Dates : MAR 01, 2014 - FEB 01, 2016
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 3 : 2015-2016 GMC Sierra 2500/3500 Heavy Duty Pickup Trucks
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : Certain 2015 – 2016 GMC Sierra 2500/3500 Heavy Duty Pickup Trucks
Production Dates : OCT 29, 2013 - FEB 01, 2016
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 4 : 2015-2016 Chevrolet Silverado 1500 Crew Cab Special Service Pickup Trucks
Vehicle Type :
Body Style :

Power Train :	NR
Descriptive Information :	Identified through manufacturing records as vehicles built on or before 02/01/2016 and, therefore, may not have been built with the production correction
Production Dates :	MAY 28, 2014 - FEB 01, 2016

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 exists in certain 2015 – 2016 Chevrolet Silverado and GMC Sierra 2500/3500 Heavy Duty Pickup Trucks and Chevrolet Tahoe PPV vehicles. The brake pedal pivot nut on these vehicles may become loose, causing the brake pedal to be loose or inoperative.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	If the brake pedal becomes loose or inoperative, the driver may be unable to safely stop the vehicle through application of the brake pedal, increasing the risk of a crash. A loose pedal may also interfere with the accelerator pedal, increasing the risk of a crash.
Description of the Cause :	The threads on the brake pedal pivot bolt may be too short to allow for adequate engagement of the locking feature of the nut. In addition, the bolt is oriented in a way such that brake pedal force could apply torque to the bolt in a loosening direction.
Identification of Any Warning that can Occur :	The driver may notice a change in brake pedal feel. The Service Engine Soon light may illuminate, and brake lights may stay on longer than expected.

Supplier Identification :

Component Manufacturer

Name :	Flex-N-Gate Forming Technologies
Address :	26269 Groesbeck Hwy. Warren 48089-4150
Country :	NR

Chronology :

On November 12, 2015, GM and Flex-N-Gate, the supplier of brake pedal assemblies for the subject vehicles, conducted an analysis of brake pedal assemblies from three heavy duty trucks used by GM for durability studies. These three assemblies had each been reported to be “loose” or “noisy” in early November and had been removed from the durability vehicles and returned for analysis. In analyzing these parts, GM and Flex-N-Gate found loose pivot bolt nuts in the assemblies. On November 13, 2015, GM’s durability testing engineer

logged the issue in GM's Speak Up For Safety program.

A formal investigation was opened on December 15, 2015. A review of warranty, TREAD, and VOQ data, completed on January 7, 2016 revealed relevant incidents of loose brake pedal assemblies in the field, but no accidents, injuries, or fatalities. The investigation determined that the brake pedal pivot bolt threads are not long enough to allow for full engagement of the locking feature of the nut, which can lead to the nut loosening over time with use.

This investigation was reviewed in GM's Open Investigation Review on January 25, 2016, and on January 27, 2016, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

On August 29, 2018, during preparation of the 573 submission for related GM recall 18278, an error was discovered in 16V069 (GM 20760) that omitted Chevrolet Silverado 1500 Crew Cab Special Service vehicles from the list of affected models. On February 5, 2016, 4178 additional vehicles were included in the VIN list for recall 20760, consisting of 3366 Tahoe vehicles and 812 Silverado Special Service vehicles. The Tahoe was already included in the model listing. Owners of these vehicles received notification in March 2016 along with all other affected owners. As of August 29, 2018, 16V069 completion for the Silverado Special Service models was at 93%.

Description of Remedy :

Description of Remedy Program :	Dealers will add adhesive to the nut, and reinstall the nut at an increased torque. 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 :	Brake pivot bolt and nut will be reassembled with adhesive on the nut so that the nut has adequate retention force and torque is sufficient to withstand brake pedal operation without loosening. Recalled Component Name: Pedal Asm – Brk & Accel (w/Brkt) Recalled Component Description: Brake Pedal Assembly Recalled Component Part Number: 23473713, 2347321 thru 23; 23362232, 23362242 thru 44
Identify How/When Recall Condition was Corrected in Production :	On vehicles built after the plant-specific breakpoint, the direction of the bolt was reversed to eliminate the forces acting on the bolt in the loosening direction, and the installation torque was increased.

Recall Schedule :

Description of Recall Schedule :	General Motors will notify dealers on February 3, 2016. General Motors will provide owner letter mail dates when available.
Planned Dealer Notification Date :	FEB 03, 2016 - FEB 03, 2016
Planned Owner Notification Date :	NR - NR

* NR - Not Reported