

Part 573 Safety Recall Report

17V-567

Manufacturer Name : General Motors, LLC

Submission Date : DEC 08, 2020

NHTSA Recall No. : 17V-567

Manufacturer Recall No. : 17368, 17375, 17376



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 : 38,048

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2018 Chevrolet Silverado HD

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : GM used its production records and information from the supplier to identify the vehicles containing the affected seat belt assemblies. Vehicles outside of the population were not built with the affected seat belt assemblies.

There are 27,538 Chevrolet Silverado vehicles affected by this recall.

Production Dates : JUL 18, 2016 - AUG 07, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2017-2018 GMC Sierra HD

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : GM used its production records and information from the supplier to identify the vehicles containing the affected seat belt assemblies. Vehicles outside of the population were not built with the affected seat belt assemblies.

There are 10,465 GMC Sierra vehicles affected by this recall

Production Dates : JUL 18, 2016 - AUG 07, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : General Motors has decided that certain 2017 and 2018 model year Chevrolet Silverado Heavy Duty (2500 and 3500 Series) and GMC Sierra Heavy Duty (2500 and 3500 Series) vehicles fail to conform, in part, to Federal Motor Vehicle Safety Standard (FMVSS) No. 209, "Seat Belt Assemblies." The supplier of the driver's and front passenger's seat-belt retractor assemblies in these vehicles built those assemblies with different torsion bars than were used in testing the vehicles for compliance with the seat-belt elongation requirements of Section 4.4(b)(5) of FMVSS 209.

FMVSS 1 : 209 - Seat belt assemblies

FMVSS 2 : NR

Description of the Safety Risk : The seat belt retractors may not perform as intended in certain frontal crashes, increasing the risk of injury in a crash.

Description of the Cause : The seat-belt assembly supplier installed a different torsion bar in the assemblies than designated in GM's specifications for these vehicles.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Retractor ASM-F/Seat Belt

Component Description : Front row seat belt retractor

Component Part Number : 84253641, 84253686, 84234013, 84234008

Supplier Identification :

Component Manufacturer

Name : TRW

Address : Brecha 99, La Cima,
Reynosa, Tamps Foreign States 88500

Country : Mexico

Chronology :

On August 2, 2017, GM engineers performed frontal barrier crash testing on a vehicle equipped with first row seat-belt retractor assemblies from the same supplier as the subject vehicles. GM's engineers observed lower shoulder load forces in those tests than expected based on GM's specifications. Based on these observations, a

Speak Up for Safety Report was filed on August 4, 2017 and GM opened an investigation into the issue on August 7, 2017.

GM's investigator determined that the supplier of the driver's and front passenger's seat-belt retractor assemblies in the affected vehicles built those assemblies with different torsion bars than were used in testing the vehicles for compliance with the seat-belt elongation requirements of Section 4.4(b)(5) of FMVSS 209. GM's Safety and Field Action Decision Authority (SFADA) reviewed the results of the investigation on August 31, 2017 and requested to review testing data on the safety performance of the vehicles with the incorrect torsion bar.

On September 7, 2017, SFADA reviewed the testing data, which indicated that, while affected vehicles do not satisfy the requirements of Section 4.4(b)(5) of FMVSS 209, the vehicles meet the belted crash performance requirements of Section 5.1 of FMVSS No. 208, "Occupant Crash Protection," in seating positions with a deploying frontal airbags. SFADA decided the issue created a noncompliance with FMVSS 209, but believed the condition was inconsequential to motor vehicle safety in seating positions with frontal airbags that cannot be manually disabled. GM petitioned NHTSA on October 6, 2017 for an exemption from the notification and remedy requirements of 49 U.S.C. Chapter 301 on the basis that this noncompliance is inconsequential as it relates to motor vehicle safety. On November 4, 2020, NHTSA notified GM that its petition had been denied.

Description of Remedy :

Description of Remedy Program : GM's dealers will replace affected seat-belt retractor assemblies with one containing the correct torsion bar.
Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because owners would not have been aware of the issue prior to this recall.

How Remedy Component Differs from Recalled Component : The remedy seat belt retractor has a torsion bar with a 12mm diameter.

Identify How/When Recall Condition was Corrected in Production : Vehicles produced after August 7, 2017 have seat belt assemblies containing retractor torsion bars that meet GM's specifications.

Recall Schedule :

Description of Recall Schedule : General Motors will execute this field action under two additional service bulletins: N202323022 and N202323021. General Motors will notify dealers on November 12, 2020. Interim owner notification is estimated to begin on December 28, 2020. The recall launch is estimated to begin in March 2021.

Planned Dealer Notification Date : NOV 12, 2020 - NOV 12, 2020

Planned Owner Notification Date : MAR 17, 2021 - MAR 17, 2021

* NR - Not Reported