

Part 573 Safety Recall Report

17V-567

Manufacturer Name : General Motors LLC**Submission Date :** SEP 22, 2017**NHTSA Recall No. :** 17V-567**Manufacturer Recall No. :** 17368, 17375, 17376**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 : 38,048

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 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.

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

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 2 : 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.

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. While affected vehicles do not satisfy the requirements of Section 4.4(b)(5) of FMVSS 209, GM's testing data indicates 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 airbag.

FMVSS 1 : 209 - Seat belt assemblies

FMVSS 2 : NR

Description of the Safety Risk : GM believes this condition is inconsequential to motor vehicle safety in seating positions with frontal airbags that cannot be manually disabled. A limited number of double-cab versions of the vehicles are equipped with a manual passenger-side frontal airbag "ON/OFF" switch. If the front passenger airbag in these vehicles is manually turned off and inadvertently left off with an adult in the front passenger seat, this condition may increase the risk of injury to the front passenger in a frontal 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

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 believes the condition is inconsequential to motor vehicle safety in seating positions with frontal airbags that cannot be manually disabled.

Description of Remedy :

Description of Remedy Program : GM intends to petition NHTSA for an exemption from the notice and remedy provisions of the Federal Motor Vehicle Safety Act for this condition for all affected vehicles except for vehicles equipped with a manual front passenger airbag ON/OFF switch. For vehicles equipped with a manual front passenger airbag ON/OFF switch (3,878 vehicles out of the total population), GM's dealers will replace the passenger-side seat-belt retractor assembly with one containing the correct torsion bar.

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

Recalled Component Name: Retractor ASM-F/Seat Belt
Recalled Component Description: Front row seat belt retractor
Recalled Component Part Number: 84253641, 84253686, 84234013, 84234008
Recalled Component Country of Origin: Mexico

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 provide owner letter notification dates when available.

Planned Dealer Notification Date : SEP 14, 2017 - SEP 14, 2017

Planned Owner Notification Date : NR - NR

* NR - Not Reported