

Part 573 Safety Recall Report

19V-814

Manufacturer Name : General Motors LLC**Submission Date :** NOV 14, 2019**NHTSA Recall No. :** 19V-814**Manufacturer Recall No. :** N192270600**Manufacturer Information :****Population :**

Manufacturer Name : General Motors LLC

Number of potentially involved : 556,399

Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI
48093

Estimated percentage with defect : 1 %

Company phone : 586-596-1733

Vehicle Information :

Vehicle 1 : 2019-2020 Chevrolet Silverado 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify the affected vehicles. Affected vehicles are those built with carpet floor covering (RPO B30) and prior to the correction being implemented in production. The corrections were implemented at different times depending on the plant: October 1, 2019 for Silao plant; October 28, 2019 for Fort Wayne plant. Vehicles built with vinyl floor covering (RPO BG9) are not included. In addition, not all 2019 model-year vehicles are impacted; 2019 models from the previous generation truck platform (i.e., those not marketed as "All-New") are not included in this recall.

There are 355,878 Chevrolet Silverado 1500 vehicles involved in this recall.

Production Dates : MAR 02, 2018 - OCT 28, 2019

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2020-2020 Chevrolet Silverado 2500/3500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify the affected vehicles. Affected vehicles are those built with carpet floor covering (RPO B30) and prior to the correction being implemented in production on October 31, 2019. Vehicles built with vinyl floor covering (RPO BG9) are not included.

There are 31,423 Chevrolet Silverado 2500/3500 vehicles involved in this recall.

Production Dates : JAN 18, 2019 - OCT 31, 2019

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2019-2020 GMC Sierra 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify the affected vehicles. Affected vehicles are those built with carpet floor covering (RPO B30) and prior to the correction being implemented in production. The corrections were implemented at different times depending on the plant: October 1, 2019 for Silao plant; October 28, 2019 for Fort Wayne plant. Vehicles built with vinyl floor covering (RPO BG9) are not included. In addition, not all 2019 model-year vehicles are impacted; 2019 models from the previous generation truck platform (i.e., those marketed as "Limited") are not included in this recall.

There are 151,427 GMC Sierra 1500 vehicles involved in this recall.

Production Dates : MAR 02, 2018 - OCT 28, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2020 GMC Sierra 2500/3500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify the affected vehicles. Affected vehicles are those built with carpet floor covering (RPO B30) and prior to the correction being implemented in production on October 31, 2019. Vehicles built with vinyl floor covering (RPO BG9) are not included.

There are 17,671 GMC Sierra 2500/3500 vehicles involved in this recall.

Production Dates : JAN 18, 2019 - OCT 31, 2019

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 2019 – 2020 model-year Chevrolet Silverado and GMC Sierra 1500 vehicles and in certain 2020 model-year Chevrolet Silverado and GMC Sierra 2500/3500 vehicles built with carpet floor covering (RPO B30). In certain crashes that cause the front seatbelt pretensioners to deploy, the exhaust from the deployed pretensioner may be diverted through an opening in the pretensioner bracket and ignite cotton fibers in the carpet floor near the B-pillar.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Following a crash that causes the seatbelt pretensioner to deploy, a fire may develop in the area near the B-pillar, which may increase the risk of injury.

Description of the Cause : There is a small opening in the pretensioner bracket that can allow gasses expelled from a pretensioner during deployment to come into contact with cotton material in the carpet floor. This opening was intended as a locator hole for assembly but was never utilized. It was not a part of the pretensioner system performance design.

Identification of Any Warning that can Occur : Following a crash that causes the seatbelt pretensioners to deploy, smoke or a burning odor from the area at the base of the B-pillar may be noticeable before a fire propagates sufficiently to be visible.

Supplier Identification :

Component Manufacturer

Name : ZF

Address : 12001 Tech Center Drive,
Livonia MICHIGAN 48150

Country : United States

Chronology :

On July 25, 2019, GM was notified that a vehicle experienced a fire potentially originating in the area around a front seatbelt pretensioner following deployment of the pretensioner. On July 30, 2019, GM reviewed the case with internal fire experts and determined that the issue could be related to a previous fire case involving the subject vehicles. GM reported the issue as a potential safety issue through GM's Speak Up For Safety program and requested that the vehicle be sent to GM's technical center for further analysis. On September 3, 2019, GM opened a product investigation. Between September 3 and September 24, GM received the vehicle involved in the second fire incident and completed its initial review.

Parts from this review and additional parts obtained on September 30, 2019 were given to the supplier for further analysis. A review of field data including warranty, TREAD, and VOQs was completed on October 9 and confirmed that there were no accidents or injuries related to this condition. On October 16, GM's investigator met with internal fire experts and the supplier to review the results of the component analysis. Component analysis confirmed that both pretensioners had deployed and appeared to function normally. The analysis also showed that fire damage to the components and to the vehicle was consistent with the theory that carpet fibers may have been ignited by the driver-side pretensioner exhaust. Further analysis indicated that an opening in the pretensioner bracket may, in the event of a pretensioner deployment, allow hot gas to vent through the opening and ignite cotton fibers in the carpet.

The results of the investigation were reviewed by GM's Open Investigation Review board on November 4, 2019. On November 7, 2019, GM's Safety and Field Action Decision Authority decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will install a feature that will close off the opening in the pretensioner bracket so that exhaust gasses vent away from carpet material as designed. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 19, 2019.

How Remedy Component Differs from Recalled Component : Countermeasures prevent pretensioner exhaust from expelling directly into carpet material.

Recalled Component Name: TENSIONER KIT, F/SEAT BELT ANC PLT

Recalled Component Description: Seatbelt Lap Pretensioner

Recalled Component Part Number: 84512894, 84512895, 84512897, 84512898, 84603135, 84603136, 84603138, 84603139

Recalled Component Country of Origin: Mexico

Identify How/When Recall Condition was Corrected in Production : In October 2019, GM's assembly plants began installing seatbelt lap pretensioners that have a feature that prevents the pretensioner exhaust from contacting the carpet. This was implemented at GM's Silao assembly plant on October 1, 2019, at GM's Ft. Wayne plant on October 28, 2019, and at GM's Flint plant on October 31, 2019.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on November 14, 2019. General Motors will provide owner letter notification dates when available.

Planned Dealer Notification Date : NOV 14, 2019 - NOV 14, 2019

Planned Owner Notification Date : NR - NR

* NR - Not Reported