

# Part 573 Safety Recall Report

# 21V-758

**Manufacturer Name :** General Motors, LLC**Submission Date :** FEB 25, 2022**NHTSA Recall No. :** 21V-758**Manufacturer Recall No. :** N212349181**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 : 3,243

Estimated percentage with defect : 14 %

**Vehicle Information :**

Vehicle 1 : 2021-2022 GMC Sierra 2500/3500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify vehicles that had the electronic brake control module (EBCM) replaced during vehicle assembly.

Vehicles that did have the EBCM replaced during assembly are not included in this recall.

There are 1052 GMC Sierra 2500/3500 vehicles included in this recall.

Production Dates : JUN 23, 2021 - JUL 29, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2022 Chevrolet Silverado 2500/3500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify vehicles that had the electronic brake control module (EBCM) replaced during vehicle assembly.

Vehicles that did have the EBCM replaced during assembly are not included in this recall.

There are 2191 Chevrolet Silverado 2500/3500 vehicles included in this recall.

Production Dates : JUN 23, 2021 - AUG 06, 2021

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 2021 – 2022 model year Chevrolet Silverado 2500/3500 and GMC Sierra 2500/3500 vehicles. Bolts that attach the brake pressure modulator valve (BPMV) assembly in these vehicles may not have been properly tightened, failing to create the seal between two sub-assemblies that is intended to prevent water intrusion. If water becomes trapped in the BPMV, it could result in a short circuit, which could lead to an underhood fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Water intrusion into the BPMV assembly may cause an electrical short circuit that can lead to an underhood fire.

Description of the Cause : Due to temporary production process changes, these vehicles underwent offline replacement of the electronic brake control module (EBCM), which is a sub-assembly of the BPMV. Bolts that attach the EBCM to another component within the BPMV may not have been properly tightened so as to prevent water intrusion.

Identification of Any Warning that can Occur : The driver may see a check engine light or the vehicle may be placed into a reduced power mode.

**Involved Components :**

Component Name 1 : MODULE ASM-ELEK BRK CONT (W/BRK PRESS MOD VLV)

Component Description : Electronic Brake Control Module

Component Part Number : 85107550, 85107551

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

On September 9, 2021, a GM fire technical expert submitted an issue to GM's Speak Up For Safety Program after

becoming aware of an underhood fire involving a 2021 GMC Sierra 2500 vehicle at GM's Flint Assembly plant the day before. GM opened an investigation on September 10, 2021. A second 2021 GMC Sierra 2500 vehicle experienced an underhood fire at the Flint Assembly Plant on September 13, 2021. Both vehicles had been parked outside awaiting shipment and both had been exposed to heavy rainfall the day before each fire. X-ray and CT scans on both vehicles showed a gap between the bolt head and brake pressure modulator valve (BPMV), indicating the assembly had not been properly sealed to prevent water intrusion. Both vehicles had been subject to temporary production process changes that involved offline replacement of the electronic brake control module (EBCM), which is a sub-assembly of the BPMV. Post-fire analysis of the vehicles also concluded the fire propagated from this area.

GM issued a stop-delivery order to GM dealers covering potentially impacted 2021 model year vehicles on September 14, 2021. In addition, dealers were instructed to disconnect the negative battery cable from the battery. Potentially affected vehicles still at the Flint Assembly plant were also held with the negative battery cable disconnected. 451 vehicles on hold at the Flint Assembly were examined for gaps at the BPMV bolt. 62 vehicles were found to have this gap condition, of which at least one vehicle was confirmed to have water within the EBCM assembly. On September 22, 2021, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

## Description of Remedy :

Description of Remedy Program :	Dealers will replace the brake pressure modulator valve (BPMV) assembly. It is recommended that the vehicle be parked outside and not in a garage or other structure until it is repaired. Pursuant to 49 C.F.R. § 573.13(d)(1), all covered vehicles are under warranty, so reimbursement is not offered.
How Remedy Component Differs from Recalled Component :	The replacement BPMV is an assembly containing the EBCM with the proper seal to prevent water intrusion into the EBCM.
Identify How/When Recall Condition was Corrected in Production :	Potentially affected vehicles at GM's assembly plant were placed on hold on September 14, 2021.

## Recall Schedule :

Description of Recall Schedule :	Dealers will be notified on September 29, 2021. Owner notification is estimated to begin November 15, 2021.
Planned Dealer Notification Date :	SEP 29, 2021 - SEP 29, 2021
Planned Owner Notification Date :	NOV 15, 2021 - NOV 15, 2021

\* NR - Not Reported