

Part 573 Safety Recall Report

20V-055

Manufacturer Name : General Motors LLC

Submission Date : FEB 07, 2020

NHTSA Recall No. : 20V-055

Manufacturer Recall No. : N192268091



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 : 148,055

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2019 GMC Sierra 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Service records were used to identify the affected vehicles. 2019 models from GM's previous generation truck platform (i.e., those marketed as "Limited") are not included in this recall.

There are 38,547 GMC Sierra 1500 vehicles affected by this recall.

Production Dates : MAR 07, 2018 - AUG 09, 2019

VIN Range 1 : Begin : NR End : NR

☐ Not sequential

Vehicle 2 : 2019-2019 Chevrolet Silverado 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Service records were used to identify the affected vehicles. 2019 models from GM's previous generation truck platform (i.e., those not marketed as "All-New") are not included in this recall.

There are 109,508 Chevrolet Silverado 1500 vehicles affected by this recall.

Production Dates : MAR 06, 2018 - AUG 09, 2019

VIN Range 1 : Begin : NR End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : General Motors has decided that certain 2019 model year Chevrolet Silverado 1500 and GMC Sierra 1500 vehicles may fail to conform to Federal Motor Vehicle Safety Standard (FMVSS) No. 126, "Electronic stability control systems for light vehicles" and FMVSS 135, "Light vehicle brake systems." While receiving service at a GM dealership for an unrelated condition, these vehicles may have received the pre-launch version of the electronic brake control module (EBCM) software intended as the remedy in NHTSA Recall 19V889. This pre-launch EBCM software contains an error. If (i) the vehicle is started remotely using the Onstar mobile app or (ii) the driver enters the vehicle and waits five or more minutes before starting the vehicle using the ignition, this software error can, in rare cases, disable the vehicle's electronic brake assist and illuminate the ESC, ABS and BRAKE telltales.

FMVSS 1 : 126 - Electronic stability control systems

FMVSS 2 : 135 - Light vehicle brake systems

Description of the Safety Risk : NHTSA Recall 19V889 involved a software error that could cause the vehicle's ESC and ABS telltale lamps to fail to illuminate in certain circumstances. If a driver were unaware that ESC and ABS were not functioning, there may be increased risk of a crash.

Description of the Cause : The pre-launch EBCM software intended as the recall remedy in NHTSA Recall 19V889 contained a software error.

Identification of Any Warning that can Occur : The vehicle will illuminate multiple telltale lamps, including the antilock brake, brake, and electronic stability control warning lamps, and the vehicle's driver information center will display multiple warnings to the driver, including the "Service Brake Assist," "Service ESC," and "Brake System Failure" warnings. This condition can only occur at vehicle ignition while the vehicle is stationary.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : ZF TRW

Address : 12025 Tech Center Drive

Livonia MICHIGAN 48150

Country : United States

Chronology :

On December 12, 2019, GM uploaded a software package to GM dealerships that included revised software relating to several GM field actions. This software package included revised EBCM software intended as the recall remedy in NHTSA Recall 19V889, which was scheduled to launch at a later date. After uploading the software, GM began receiving warranty reports from GM dealers that related to the new EBCM software. On January 9, 2020, GM and the EBCM software supplier identified the software error. GM corrected the software file for the launch of NHTSA Recall 19V889 on January 16, 2020, and on January 23, 2020, GM's Safety and Field Action Decision Authority decided to reopen the noncompliance recall the vehicles that had received the erroneous software repair.

Description of Remedy :

Description of Remedy Program : Dealers will reflash the EBCM.
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 software errors that causes the noncompliant condition and brake assist issue are not present in the new software.
Recalled Component Name: DATA FILE-ELEK BRK CONT MDL OP SYS
Recalled Component Description: Electronic Brake Control Module Software
Recalled Component Part Number: 84758789.AH; 84790843-848, 84790852-860; 84791046-049; 84678467; 84900263-354
Recalled Component Country of Origin: U.S.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on January 30, 2020. GM plans to begin notifying owners on February 21, 2020.
Planned Dealer Notification Date : JAN 30, 2020 - JAN 30, 2020
Planned Owner Notification Date : FEB 21, 2020 - FEB 21, 2020

* NR - Not Reported