

Part 573 Safety Recall Report

18V-360

Manufacturer Name : General Motors LLC**Submission Date :** MAY 31, 2018**NHTSA Recall No. :** 18V-360**Manufacturer Recall No. :** 18195**Manufacturer Information :**

Manufacturer Name : General Motors LLC

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

Company phone : 5961733

Population :

Number of potentially involved : 489

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2019 Chevrolet Corvette ZR1

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Recalled population was determined using manufacturing records and will include all 2019 model year Corvette ZR1 vehicles built before a verified breakpoint for corrected SDM software.

Production Dates : DEC 08, 2017 - MAY 31, 2018

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 model-year Chevrolet Corvette ZR1 vehicles. In these vehicles, if the sensing diagnostic module (SDM) is exposed to extremely hard braking and sustained acceleration events under certain track conditions, the SDM may enter a fault state and will not return to normal operation until battery power is removed from the system. In this faulted state, the SDM will not provide crash sensing or deploy airbags in the event of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the SDM does not detect a crash or command deployment of airbags, there is increased risk of injury in a crash.

Description of the Cause : The SDM software can enter a fault state triggered by extremely hard braking and sustained acceleration events under certain track conditions.

Identification of Any Warning that can Occur : There will not be indication of a fault through the Airbag Readiness Light or a message on the Driver Information Center (DIC).

Supplier Identification :**Component Manufacturer**

Name : Aptiv
Address : 5820 Innovation Drive
Troy MICHIGAN 48098
Country : United States

Chronology :

On April 30, 2018, General Motors held a media demonstration of certain preproduction 2019 Corvette ZR1 vehicles at the Road Atlanta race track. GM engineers discovered a potential issue with the function of the Sensing and Diagnostic Modules in these vehicles after the vehicles were operated under extremely hard braking and sustained acceleration events under certain track conditions. The issue was reported through GM's Speak Up For Safety program on May 3, 2018. GM opened an investigation on May 8. GM engineers conducted road testing at GM's Milford Proving Grounds and reviewed bench tests to gain an understanding of the condition and its potential effects. A field data search, completed on May 17, revealed no related field events. The investigation was reviewed in GM's Open Investigation Review on May 21. On May 24, 2018, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will reprogram the SDM with updated software. 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 revised SDM software is calibrated for more aggressive driving conditions.

Recalled Component Name: Data File -SYS DIAG MDL VEH CALN
Recalled Component Description: Sensing & Diagnostic Module Performance Calibration
Recalled Component Part Number: 84577799
Recalled Component Country of Origin: United States

Identify How/When Recall Condition was Corrected in Production : Vehicles manufactured after May 31, 2018 have the revised SDM software calibration.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on May 31, 2018. GM will provide owner notification dates when available.

Planned Dealer Notification Date : MAY 31, 2018 - MAY 31, 2018

Planned Owner Notification Date : NR - NR

* NR - Not Reported