

# Part 573 Safety Recall Report

# 18V-774

**Manufacturer Name :** General Motors LLC**Submission Date :** NOV 01, 2018**NHTSA Recall No. :** 18V-774**Manufacturer Recall No. :** 18365**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 : 12

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2019-2019 Buick Encore

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Affected vehicles were identified through manufacturing records that include SDM armed status information. Vehicles that recorded an armed SDM status in the Manufacturing Engineering Reporting System (MERS) are not included in this recall. 3 vehicles are affected.

Production Dates : MAY 29, 2018 - SEP 09, 2018

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

Vehicle 2 : 2019-2019 Chevrolet Spark

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Affected vehicles were identified through manufacturing records that include SDM armed status information. Vehicles that recorded an armed SDM status in the Manufacturing Engineering Reporting System (MERS) are not included in this recall. 1 vehicle is affected.

Production Dates : JUN 19, 2018 - JUN 19, 2018

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

Vehicle 3 : 2019-2019 Chevrolet Traverse

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Affected vehicles were identified through manufacturing records that include SDM armed status information. Vehicles that recorded an armed SDM status in the

Manufacturing Engineering Reporting System (MERS) are not included in this recall.  
6 vehicles are affected.

Production Dates : AUG 07, 2018 - SEP 26, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2019 Chevrolet Trax

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Affected vehicles were identified through manufacturing records that include SDM armed status information. Vehicles that recorded an armed SDM status in the Manufacturing Engineering Reporting System (MERS) are not included in this recall.  
2 vehicles are affected.

Production Dates : AUG 23, 2018 - SEP 02, 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 Buick Encore, Chevrolet Spark, Chevrolet Traverse, and Chevrolet Trax vehicles. In a small number of these vehicles, the sensing diagnostic module (SDM) may have been left in "manufacturing mode" and not activated at the assembly plant prior to shipment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the SDM is in manufacturing mode, the vehicle's airbags will not deploy in a crash, increasing the risk of occupant injury. Most other SDM functions, such as seatbelt reminder, event data recording and post collision notification, will also be inactive.

Description of the Cause : See chronology section.

Identification of Any Warning that can Occur : This condition can be identified by the airbag/supplemental inflatable restraint malfunction indicator lamp on the instrument panel, which will illuminate and remain illuminated (solid or flashing) after the vehicle is turned on.

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

On October 3, 2018, a vehicle in GM's Bupyeong, Korea plant was discovered to have a flashing airbag warning light after passing validation testing. GM opened an investigation into the issue, which determined that the vehicle's sensing and diagnostic module (SDM) was set to "manufacturing mode." In this setting, the SDM is unarmed and the supplemental inflatable restraints are disabled.

GM determined that the condition's root cause is an error in a software update to GM's production process at certain plants. When the SDM is originally programmed during vehicle assembly, GM sets the SDM to manufacturing mode. This is to prevent accidental restraint deployment when the vehicle is in the assembly facility. After assembly is complete, all GM vehicles are subjected to a series of quality tests called dynamic vehicle tests (DVT). At the conclusion of the DVT process, the vehicle's sensing diagnostic modules (SDMs) is activated, which arms the restraints. The error in the software update can prevent the SDM from being activated in some vehicles at the conclusion of DVT.

On October 25, 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 module to the correct mode. 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 : NR

Identify How/When Recall Condition was Corrected in Production : Corrected DVT software was verified in Buypeong 1 on October 4, 2018. Roll out to other affected manufacturing plants was completed by October 17, 2018.

**Recall Schedule :**

Description of Recall Schedule : Dealers will be notified on November 01, 2018. GM will provide planned owner notification date when available.

Planned Dealer Notification Date : NOV 01, 2018 - NOV 01, 2018

Planned Owner Notification Date : NR - NR

\* NR - Not Reported