

Part 573 Safety Recall Report

21V-421

Manufacturer Name : General Motors, LLC

Submission Date : JUN 10, 2021

NHTSA Recall No. : 21V-421

Manufacturer Recall No. : N212338110



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 : 285,622

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Buick Envision

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

29,499 Buick Envision vehicles are included in this recall.

Production Dates : JUL 20, 2020 - MAY 27, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2021-2021 Cadillac CT4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

5,529 Cadillac CT4 vehicles are included in this recall.

Production Dates : JUN 24, 2020 - MAY 04, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2021-2021 Cadillac CT5

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

8,380 Cadillac CT5 vehicles are included in this recall.

Production Dates : JUL 08, 2020 - MAY 04, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2021-2021 Cadillac Escalade

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

17,222 Cadillac Escalade vehicles are included in this recall.

Production Dates : MAR 16, 2020 - MAY 26, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2021-2021 Cadillac Escalade ESV

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

9,895 Cadillac Escalade ESV vehicles are included in this recall.

Production Dates : JUN 24, 2020 - MAY 26, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2021-2021 Chevrolet Corvette

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

13,119 Chevrolet Corvette vehicles are included in this recall.

Production Dates : SEP 02, 2020 - MAY 27, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 7 : 2021-2021 Chevrolet Suburban

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

37,157 Chevrolet Suburban vehicles are included in this recall.

Production Dates : JAN 06, 2020 - MAY 26, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 8 : 2021-2021 Chevrolet Tahoe

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

92,643 Chevrolet Tahoe vehicles are included in this recall.

Production Dates : NOV 11, 2019 - MAY 26, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 9 : 2021-2021 GMC Yukon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

47,820 GMC Yukon vehicles are included in this recall.

Production Dates : NOV 12, 2019 - MAY 26, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 10 : 2021-2021 GMC Yukon XL

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify affected vehicles.

24,358 GMC Yukon XL vehicles are included in this recall.

Production Dates : JAN 06, 2020 - MAY 26, 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 model year Buick Envision vehicles; Cadillac CT4, CT5, Escalade, and Escalade ESV vehicles; Chevrolet Corvette, Suburban, and Tahoe vehicles; and GMC Yukon and Yukon XL vehicles. A software problem exists in certain of these vehicles which would cause a sensing diagnostic module (SDM) communications fault to illuminate the airbag malfunction indicator lamp, but only on alternating ignition cycles. As a result, an SDM communications fault would not consistently illuminate the airbag light on every ignition cycle to indicate a problem to the driver.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A driver might not be warned of an SDM loss of communication fault which might indicate a problem with airbag deployment. If airbags do not deploy appropriately in a crash, there is an increased risk of injury in that crash.

Description of the Cause : The Communications Gateway Module, also referred to as the serial data gateway module, software does not correctly store data indicating loss of communication with the SDM.

Identification of Any Warning
that can Occur : NR

Involved Components :

Component Name 1 : MODULE ASM – SERIAL GATEWAY DATA

Component Description : Serial Data Gateway Module

Component Part Number : 13542878

Supplier Identification :**Component Manufacturer**

Name : Robert Bosch LLC

Address : 3800 Hills Tech Drive
Farmington Hills Michigan 48331

Country : United States

Chronology :

On April 26, 2021, a Problem Resolution and Tracking System (PRTS) issue was opened following validation testing for a future model year vehicle, where it was noted that some conditions involving loss of communication with the SDM did not illuminate the airbag malfunction indicator lamp. A GM lead engineer submitted the issue to GM's Speak Up For Safety (SUFS) program on May 4, 2021. GM opened an investigation on May 7, 2021. A review of field data completed on May 24 showed 19 warranty claims possibly linked to this condition. GM is not aware of any accidents or injuries associated with this condition. On May 27, 2021, GM's Safety and Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program :	GM will update the software in the vehicles' serial data gateway module. Owners who have accepted applicable terms and conditions will have the opportunity to accept these software changes using wireless over-the-air (OTA) technology without having to bring their vehicle to a dealership. Alternatively, owners may schedule to have the updates performed at a GM dealer. 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 :	Revised serial data gateway module software stores data indicating loss of communication with the SDM in nonvolatile memory which ensures an SDM fault will be correctly communicated to the customer.
Identify How/When Recall Condition was Corrected in Production :	Corrected serial data gateway module software was implemented on May 26, 2021 at GM's Arlington assembly plant and on June 1, 2021 at GM's Bowling Green assembly plant. Production of affected vehicles was halted at GM's Dongyue North assembly plant on May 29, 2021 and at GM's Lansing Grand River assembly plant on June 3, 2021. These plants will implement the corrected software when production of the affected models resumes.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified on June 3, 2021. Customer notification is estimated to begin on July 19, 2021.
Planned Dealer Notification Date :	JUN 03, 2021 - JUN 03, 2021
Planned Owner Notification Date :	JUL 19, 2021 - JUL 19, 2021

* NR - Not Reported