

Part 573 Safety Recall Report

21V-702

Manufacturer Name : General Motors, LLC**Submission Date :** SEP 10, 2021**NHTSA Recall No. :** 21V-702**Manufacturer Recall No. :** N212344261**Manufacturer Information :****Population :**

Manufacturer Name : General Motors, LLC

Number of potentially involved : 2

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

Estimated percentage with defect : 100 %

Company phone : 586-596-1733

Vehicle Information :

Vehicle 1 : 2022-2022 GMC Acadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify vehicles that may have missed a manufacturing verification step during which the sensing diagnostic module (SDM) would have been armed.

Two affected vehicles are currently at GM dealers. GM's population excludes three additional vehicles that were shipped to the field in this condition but were sent back to the plant after receipt by the GM dealer.

Production Dates : JUN 25, 2021 - JUN 30, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : General Motors has decided that certain 2022 model year GMC Acadia vehicles fail to conform to Federal Motor Vehicle Safety Standard (FMVSS) No. 208, "Occupant crash protection." In 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 : 208 - Occupant crash protection

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 : Due to temporary production process changes, these vehicles missed a manufacturing verification test step that arms the vehicle's SDM.

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.

Involved Components :

Component Name 1 : MODULE ASM-AIRBAG SEN & DIAGN

Component Description : Sensing Diagnostic Module (SDM)

Component Part Number : 13541770

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On July 13, 2021, a GM quality engineering manager submitted an issue to GM's Speak Up For Safety Program after becoming aware of a field report indicating that a GM dealer may have received a 2022 model year GMC Acadia that did not complete post-manufacturing dynamic validation testing (DVT).

GM issued a stop-delivery order to GM dealers covering potentially impacted vehicles on July 15, 2021, and opened an investigation on July 16, 2021. GM's investigator determined that nine of the 14 vehicles that left the plant were caught while still in-transit and were returned to the plant prior to reaching a dealer. The investigator further determined that, of the five vehicles that were delivered to dealers, three were returned to the plant, leaving two affected vehicles remaining at dealerships on stop delivery. No vehicles were sold to customers in this condition.

On September 2, 2021, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a noncompliance recall on the remaining two vehicles in the field.

Description of Remedy :

Description of Remedy Program : All vehicles are at GM dealerships and are in a status that will not allow them to be invoiced and sold. They will be returned to the assembly plant to complete the missed verification test step during which the sensing diagnostic module (SDM) will be set 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 : When vehicles complete DVT testing, the SDM will set to the correct mode.

Identify How/When Recall Condition was Corrected in Production : GM's assembly plant implemented initial containment procedures on July 13, 2021. On August 25, 2021, GM's assembly plant implemented a software system cross-check and alarm structure to check steps in the temporary process changes implemented in response to the global semiconductor shortage, specifically auditing for completion of DVT testing.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on September 10, 2021. All vehicles are unsold at dealerships, so no owner notification is planned.

Planned Dealer Notification Date : SEP 10, 2021 - SEP 10, 2021

Planned Owner Notification Date : NR - NR

* NR - Not Reported