

Part 573 Safety Recall Report

22E-040

Manufacturer Name : General Motors, LLC

Submission Date : SEP 09, 2022

NHTSA Recall No. : 22E-040

Manufacturer Recall No. : N222364860



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 : 74

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Autoliv

Model : Driver Front Airbag

Part No. : 20928235, 20928242

Size : NR

Function : NR

Descriptive Information : This recall includes certain front-driver airbag modules produced for use as service replacements in 2011 – 2012 model year Chevrolet Silverado 1500, Suburban, and Tahoe vehicles and 2011 – 2012 model year GMC Sierra 1500, Yukon, and Yukon XL vehicles. Modules containing inflators from the suspect manufacturing lot were identified using part traceability data. Warranty data and vehicle service records were used to identify six VINs that may have received a module containing an inflator from the suspect manufacturing lot.

Front-driver airbag modules not containing inflators from the suspect manufacturing lot are not part of this recall.

Production Dates : FEB 19, 2022 - FEB 22, 2022

Description of Defect :

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety may exist in certain front-driver airbag modules produced for use as service replacements in 2011–2012 model year Chevrolet Silverado 1500, Tahoe, and Suburban vehicles and 2011–2012 GMC Sierra 1500, Yukon, and Yukon XL vehicles. These front-driver airbag modules may contain an inflator that was built with a supplier-manufacturing defect that may result in inflator rupture during deployment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An inflator rupture may cause metal fragments to pass through the airbag and into the vehicle interior, which may result in injury or death to vehicle occupants.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name : MODULE ASM-INFL RST STRG WHL

Component Description : Driver Airbag Module Assembly

Component Part Number : 20928235, 20928242

Supplier Identification :

Component Manufacturer

Name : ARC Automotive Inc.

Address : 1729 Midpark Rd D.
Knoxville Tennessee 37921

Country : United States

Chronology :

On March 12, 2022, GM's front-driver airbag module supplier informed GM of an inflator rupture that occurred in an ARC-built inflator during a high-temperature lot-acceptance test ("LAT") on March 11, 2022. Details of the incident were reviewed with GM on March 14, 2022. GM opened a product investigation on March 22, 2022.

While GM's investigation has not identified the specific root cause of the LAT rupture, GM and ARC's analysis of ARC's inflator-manufacturing records identified five inflators in this manufacturing lot, including the LAT-incident inflator, that contained an energetics subassembly with an unusually high mass. Of these five inflators, three were recovered for further analysis. ARC's teardown analysis determined that all three inflators were built incorrectly: one inflator contained increased primary-booster propellant and two contained extra main-propellant segments.

These anomalies were not identified by ARC's quality-control processes due to a temporary calibration change that impacted the sensitivity of these processes during the production of this inflator-manufacturing lot. ARC's

analysis of its production records indicates that no other inflator lots were affected.

GM's analysis of vehicle-service records, customer-paid claims, and over-the-counter sales data suggests that six specific VINs may have been serviced with a front-driver airbag module containing an inflator from the suspect manufacturing lot. GM's investigation has not identified another rupture allegation involving the vehicles that may have been serviced with an inflator from this manufacturing lot.

On May 12, 2022, GM's Safety and Field Action Decision Authority decided to conduct an equipment safety recall on all front-driver airbag modules containing an inflator from the suspect manufacturing lot.

Description of Remedy :

Description of Remedy Program : Dealers will inspect the front-driver airbag module and replace if necessary. Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because owners would not have been aware of the issue prior to this recall.

How Remedy Component Differs from Recalled Component : The remedy component does not contain an inflator that was manufactured in a suspect inflator lot.

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

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on May 19, 2022. Owner interim notification occurred June 17, 2022. Owner notification of an available remedy is estimated to occur September 30, 2022.

Planned Dealer Notification Date : MAY 19, 2022 - MAY 19, 2022

Planned Owner Notification Date : SEP 30, 2022 - SEP 30, 2022

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported