

# Part 573 Safety Recall Report

# 17V-621

**Manufacturer Name :** General Motors LLC**Submission Date :** OCT 30, 2017**NHTSA Recall No. :** 17V-621**Manufacturer Recall No. :** 17387**Manufacturer Information :****Population :**

Manufacturer Name : General Motors LLC

Number of potentially involved : 16

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

Estimated percentage with defect : 100 %

Company phone : 5961733

**Vehicle Information :**

Vehicle 1 : 2015-2016 Chevrolet Colorado

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The inflator supplier identified the suspect inflators by analyzing inflator weight records. These suspect inflators were traced to the specific vehicles now being recalled.

Production Dates : OCT 10, 2014 - FEB 06, 2016

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

Vehicle 2 : 2016-2016 Chevrolet Volt

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The inflator supplier identified the suspect inflators by analyzing inflator weight records. These suspect inflators were traced to the specific vehicles now being recalled.

Production Dates : OCT 16, 2015 - DEC 14, 2015

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

Vehicle 3 : 2015-2016 GMC Canyon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The inflator supplier identified the suspect inflators by analyzing inflator weight records. These suspect inflators were traced to the specific vehicles now being recalled.

Production Dates : OCT 13, 2014 - AUG 02, 2015

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 2015 – 2016 model-year Chevrolet Colorado, GMC Canyon, and 2016 model-year Chevrolet Volt vehicles. In these vehicles, the second stage of the driver frontal airbag may not deploy properly in certain high-speed crashes.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the vehicle is involved in a high-speed crash that triggers the second-stage deployment of the driver frontal airbag, the second stage of the inflator may not fill the airbag as completely and as quickly as designed, which could lead to an increased risk of injury to the driver.

Description of the Cause : A secondary chemical enhancer required for the proper deployment of second-stage driver frontal airbags was not loaded during the airbag inflator build at the supplier. This is an expansion of recall 16V125 by 16 vehicles due to the supplier's identification of additional inflators potentially built with this condition.

Identification of Any Warning that can Occur : NR

**Supplier Identification :****Component Manufacturer**

Name : Key Safety Systems

Address : 5300 Allen K. Breed Hwy  
Lakeland FLORIDA 33811

Country : United States

**Chronology :**

GM previously issued recall number 16V-125 (March 1, 2016) to address certain driver frontal airbags that may have been built without a secondary chemical enhancer used for deployment of the second-stage frontal airbag. That recall involved inflators from only two specific airbag-inflator lots based on a failed lot acceptance test at the inflator supplier, Key Safety Systems ("KSS").

Since the original recall, KSS has continued to analyze inflators, including inflators returned from the field, to identify whether additional inflators were misbuilt—i.e., built without the secondary chemical enhancer. From this post-recall analysis, KSS identified additional suspect inflators supplied to GM. On May 4, 2017, KSS

notified GM of these additional suspect inflators, and on May 10, 2017, GM opened a safety investigation.

Between May and September 25, 2017, KSS worked with GM to analyze inflators returned from the field as part of recall 16V-125. This analysis allowed KSS to further refine its weight-based method of detecting misbuilt inflators to make it even more accurate. Using this improved weight-based detection method, KSS identified the potentially misbuilt inflators subject to this recall.

On September 28, 2017, GM's Safety and Field Action Decision Authority decided to issue a safety recall.

## Description of Remedy :

**Description of Remedy Program :** Dealers will replace the driver frontal airbag module. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 19, 2017.

**How Remedy Component Differs from Recalled Component :** Replacement airbag modules have inflators produced outside of the suspect lots.

**Recalled Component Name:** ADI-D

**Recalled Component Description:** Driver Airbag Inflator Assembly

**Recalled Component Part Number:** 2003386-2 / 1036368-1

**Recalled Component Country of Origin:** US

**Identify How/When Recall Condition was Corrected in Production :** The supplier corrected and improved their error proofing process. Vehicles built after the respective breakpoints associated with recall 16V125 have driver frontal airbags produced after implementation of the supplier corrections.

## Recall Schedule :

**Description of Recall Schedule :** Dealers will be notified on 10/05/2017. Owner notification is expected to mail 11/10/2017.

**Planned Dealer Notification Date :** OCT 05, 2017 - OCT 05, 2017

**Planned Owner Notification Date :** NOV 10, 2017 - NOV 10, 2017

\* NR - Not Reported