

Part 573 Safety Recall Report

18V-304

Manufacturer Name : General Motors LLC**Submission Date :** MAY 10, 2018**NHTSA Recall No. :** 18V-304**Manufacturer Recall No. :** 18159**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 : 111,966

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2018 Chevrolet Cruze LS

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The population was determined by using production records to identify gasoline-engine LS trim sedans with a tire inflator kit instead of a spare tire.

Production Dates : NOV 09, 2015 - MAY 01, 2018

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : General Motors has decided that 2016-2018 Chevrolet Cruze LS gasoline-engine sedans equipped with tire inflator kits may fail to conform to certain requirements of S5.6 of Federal Motor Vehicle Safety Standard (FMVSS) No. 301, "Fuel system integrity." While GM has not identified any field reports of fuel leaks involving these vehicles, GM's internal testing indicates that these vehicles may release more fuel than is permissible under S5.6 of FMVSS 301 under the test conditions for an offset rear-impact followed by a static rollover.

FMVSS 1 : 301 - Fuel system integrity

FMVSS 2 : NR

Description of the Safety Risk : Under certain conditions in a rollover following a severe rear-impact crash, if fuel were to leak from the vehicle, it would increase the risk of fire or injury.

Description of the Cause : The vapor pressure sensor (VPS) attached to the fuel tank in these vehicles may contact the rear floor panel in a severe rear-impact crash.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

On March 19, 2018, GM conducted crash testing on a new, pre-production 2019 Chevrolet Cruze LS gas-engine sedan variant equipped with a tire inflator kit. In an 88 kph right-hand side 70% offset rear-impact barrier test, followed by a static rollover, GM observed Stoddard liquid leakage that exceeded the maximum level specified by S5.6 of FMVSS 301.

Based on the March 19 test results, on March 26, GM's Potential Investigation Review (PIR) board opened an investigation to evaluate certain similarly equipped 2016-2018 Cruze LS gas-engine sedans with tire inflator kits.

During the investigation, GM reviewed field data and the results of the March 19 variant test. No field incidents were identified. On April 19, GM's Safety and Field Action Decision Authority (SFADA) requested a physical test on a current model Cruze under the S5.6 procedures of FMVSS 301. On April 30, GM performed the test at its Milford Proving Grounds. The test resulted in the release of more Stoddard liquid than is permissible under the rollover test conditions of S5.6 of FMVSS 301.

SFADA decided to conduct a noncompliance recall on May 3.

Description of Remedy :

Description of Remedy Program : Dealers will install a lock-ring on the fuel tank that shields the VPS. 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 : The new lock-ring adds a protective shield to the VPS.

Recalled Component Name: SENSOR F/TNK PRESS
Recalled Component Description: Vapor Pressure Sensor
Recalled Component Part Number: 13502903
Recalled Component Country of Origin: Mexico

Identify How/When Recall Condition was Corrected in Production : Vehicles produced after 05/08/2018 will have a lock-ring on the fuel tank that shields the VPS.

Recall Schedule :

Description of Recall Schedule : General Motors will provide dealer bulletin and owner letter notification dates when available.

Planned Dealer Notification Date : MAY 10, 2018 - MAY 10, 2018

Planned Owner Notification Date : NR - NR

* NR - Not Reported