

Part 573 Safety Recall Report

18V-400

Manufacturer Name : General Motors LLC**Submission Date :** JUN 14, 2018**NHTSA Recall No. :** 18V-400**Manufacturer Recall No. :** 18208**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 : 66

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2018 Chevrolet Malibu

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The population was determined by using service repair records to identify the vehicles that received the incorrect passenger presence system (PPS) during service. The recalled PPS service parts were not correctly calibrated to the vehicle's seat type.

Production Dates : NOV 20, 2015 - SEP 08, 2017

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 2016 – 2018 Chevrolet Malibu vehicles that had service performed to replace the passenger presence system (PPS). The PPS is designed to determine whether the front passenger seat is occupied by a child and whether the front passenger airbag should be suppressed during a crash. The replacement PPS installed during service may have contained an incorrectly calibrated component that could cause the PPS to misclassify certain children and small adults seated in the front passenger seat. The misclassification could result in the front passenger airbag being suppressed when it should be enabled or being enabled when it should be suppressed.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the PPS misclassifies a front seat occupant in certain edge cases, the front passenger airbag could be deployed in a crash where the system is intended to suppress deployment or, alternatively, to suppress deployment where the system is intended to allow deployment, either of which could increase the

risk of injury to the front passenger.

Description of the Cause : A data-entry error reversed the part numbers of the replacement PPS parts, and the wrong part was inadvertently used during service replacement. As-shipped vehicles from the assembly plant are not affected.

Identification of Any Warning that can Occur : The passenger airbag status indicator may illuminate “ON” for a child front passenger and “OFF” for a larger child or adult front passenger.

Supplier Identification :

Component Manufacturer

Name : Adient
Address : 49200 Halyard Drive
Plymouth MICHIGAN 48170
Country : United States

Chronology :

On February 8, 2018, the design release engineer (DRE) for occupant detection discovered that the service part-number codes for replacement passenger presence systems (PPS) may have been inaccurate for certain Chevrolet Malibu vehicles. Inaccurate service part numbers could cause dealers performing service on the PPS to install the wrong replacement PPS—i.e., one that was not properly calibrated for the vehicle’s seat type.

On February 13, 2018, the DRE submitted the issue as a potential safety issue through GM’s Speak Up For Safety (SUFS) program. Between the SUFS submission and March 14, 2018, the DRE proactively released work orders to correct the service part numbers for the replacement PPS parts in service stock. On March 16, 2018, GM opened a formal safety investigation.

Between March 16 and early April, GM confirmed that there were only two PPS service parts with incorrect part numbers—one with a PPS sensor calibrated for vented seats and one with a PPS sensor calibrated for non-vented seats. With the incorrect part number, the PPS sensors calibrated for vented seats could be installed on non-vented seats or vice versa. Between April and May 25, 2018, GM performed engineering analysis on the possible PPS sensors and seats combinations to understand the effect that an incorrect PPS might have on front-passenger presence detection. The analysis confirmed that in some cases certain children and small adults could be misclassified such that the passenger airbag could be suppressed when it should be enabled or could be enabled when it should be suppressed.

Description of Remedy :

Description of Remedy Program : Dealers will replace the front passenger PPS seat service kit. 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 : The PPS seat service kit contains the correct components.
Recalled Component Name: Passenger Seat Service Kit
Recalled Component Description: Passenger Seat Service Kit
Recalled Component Part Number: 84133604 and 84133605
Recalled Component Country of Origin: U.S.

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

Recall Schedule :

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

Planned Dealer Notification Date : JUN 14, 2018 - JUN 14, 2018

Planned Owner Notification Date : NR - NR

* NR - Not Reported