

Part 573 Safety Recall Report**14V-518****Manufacturer Name :** General Motors LLC**Submission Date :** AUG 22,2014**NHTSA Recall No. :** 14V-518**Manufacturer Recall No. :** 14532**Manufacturer Information :**

Manufacturer Name : General Motors LLC

Address : 30001 VAN DYKE

MAIL CODE 480-210-2V WARREN MI 48090

Company phone : 999

Population :

Number of potentially involved : 5

Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2013-2014 Cadillac XTS

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : certain 2013-2014 model year Cadillac XTS

Production Dates : APR 11, 2013 - JUN 27, 2013

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2014-2014 Chevrolet Impala

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : 2014 Chevrolet Impala - 3 vehicles

Production Dates : MAY 13, 2013 - NOV 05, 2013

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Description of Defect :

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2013-2014 model year Cadillac XTS and 2014 Chevrolet Impala vehicles. Some vehicles are equipped with a sensing and diagnostic module (SDM) that may have been reprogrammed at the assembly plant and set to “manufacturing mode.”

Description of the Safety Risk : In this setting, the vehicle’s airbags will not deploy in the event of a collision, increasing the risk of occupant injury.

Description of the Cause : See Chronology Section

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. Customers should avoid driving a vehicle with this condition until it has been repaired.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In June 2014, GM engineering personnel discovered an illuminated malfunction indicator lamp on a 2015 Cadillac XTS in the GM-owned captured test fleet. The lamp indicated that the vehicle's airbags and other supplemental inflatable restraints were disabled. GM identified the condition immediately after the vehicle was received by GM Captured Fleet.

After conducting an initial investigation, GM determined that the vehicle had been shipped from the assembly plant with its sensing and diagnostic module (SDM) set to "manufacturing mode." In this setting, the SDM is unarmed and the supplemental inflatable restraints are disabled.

GM also determined that the condition's root cause is an unusual combination of testing and programming processes. When the SDM is originally programmed during vehicle assembly, GM sets the SDM to manufacturing mode. This is to prevent accidental restraint deployment when the vehicle is in the assembly facility.

After assembly is complete, all GM vehicles are subjected to a series of quality tests called dynamic vehicle tests (DVT). At the conclusion of the DVT process, the vehicle's supplemental inflatable restraints are set to "consumer mode," which arms the restraints.

The subject vehicles, however, required additional reprogramming to one or more of their electronic systems following DVT. The reprogramming process reset the SDM to manufacturing mode, disarming the supplemental inflatable restraints.

On June 11, 2014, the assembly plant implemented procedures that require all reprogrammed vehicles to repeat the DVT process to ensure that the SDM is in consumer mode. On June 26, 2014, GM compiled its initial list of vehicles produced at this assembly plant that required additional reprogramming following DVT.

This matter was reviewed by GM's Safety and Field Action Decision Authority (SFADA) on August 13, 2014 and on August 20, 2014, the SFADA decided to conduct a safety-related recall.

Description of Remedy :

Description of Remedy Program : Dealers are to reprogram the SDM. Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because all involved vehicles are covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : See Chronology Section

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : AUG 27, 2014 - AUG 27, 2014

Planned Owner Notification Date : SEP 10, 2014 - SEP 10, 2014

* NR - Not Reported