OMB Control No.: 2127-0004

Part 573 Safety Recall Report

17V-437

Manufacturer Name: General Motors LLC

Submission Date: JUL 10, 2017 NHTSA Recall No.: 17V-437 Manufacturer Recall No.: 17287



Manufacturer Information:

Manufacturer Name: General Motors LLC

Address: 30001 VAN DYKE

MAIL CODE 480-210-2V WARREN MI

48090

Company phone: 5961733

Population:

Number of potentially involved : NR Estimated percentage with defect : 75%

Vehicle Information:

Vehicle 1: 2015-2016 Chevrolet Silverado HD

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Certain 2015-2016 Chevrolet Silverado HD vehicles

Production Dates: OCT 02, 2013 - AUG 21, 2016

Vehicle 2: 2015-2017 GMC Sierra HD

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Certain 2015-2017 GMC Sierra HD vehicles

Production Dates: NOV 21, 2013 - AUG 15, 2016

Vehicle 3: 2014-2017 Chevrolet Corvette

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Certain 2014-2017 Chevrolet Corvette vehicles

Production Dates: APR 17, 2013 - AUG 15, 2016

Vehicle 4: 2014-2016 Buick LaCrosse

Vehicle Type : Body Style :

Power Train: NR Descriptive Information: Ccrtain 2014-2016 Buick LaCrosse vehicles Production Dates: JUN 17, 2013 - APR 21, 2016 VIN Range 1: Begin: NR							
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	2015-2016 GM	Yukon XL					
Vehicle Type :							
Body Style :							
Power Train :							
Descriptive Information :	Certain 2015-20	Certain 2015-2016 GMC Yukon XL vehicles					
Production Dates :	NOV 20, 2013 -	AUG 09, 2016					
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	2014-2016 Che	vrolet Caprice I	PV				
Vehicle Type :							
Body Style :							
Power Train :	NR						
Descriptive Information :	Certain 2014-20	016 Chevrolet C	aprice PPV vehicl	es			
Production Dates :	AUG 12, 2013	IUN 14, 2015					
VIN Range 1:	Begin:	NR	End: NR	☐ Not sequential			
Vehicle 17:	2014-2016 Che	vrolet SS					
Vehicle Type :							
Body Style :							
Power Train :							
Descriptive Information :	Certain 2014-20	016 Chevrolet S	S vehicles				
Production Dates :	DEC 03, 2013 - A	APR 14, 2016					
VIN Range 1:		NR	End: NR	☐ Not sequential			

Description of Defect:

Description of the Defect: This condition relates to General Motors' prior recall number 16V-651. In

receiving service for the condition covered by this recall, some vehicles may not have received the new software for the sensing and diagnostic module

(SDM) that is necessary to remedy the recall condition.

General Motors has decided that a defect which relates to motor vehicle safety exists in these vehicles. As GM stated in its Part 573 report filed in connection with recall number 16V-651, the original SDM software in these vehicles, which controls airbag and pretensioner deployment, contains a defect which may prevent the deployment of frontal airbags and pretensioners in certain rare

circumstances.

FMVSS 1: NR FMVSS 2: NR

Description of the Safety Risk: If the frontal airbags and seatbelt pretensioners do not deploy when required,

there is an increased risk of injury to occupants in a crash.

Description of the Cause: Per recall number 16V-651, the supplier of these SDMs included a diagnostic

"oscillation test" routine in its SDM software which can be improperly activated by pre-crash vehicle dynamics and which can, in rare circumstances, interfere with the SDM's proper deployment of frontal airbags or pretensioners as

required.

For the vehicles subject to this new recall, dealers may have failed to properly perform the remedy (reprogramming the SDM) under recall number 16V-651.

Identification of Any Warning NR that can Occur:

Supplier Identification:

Component Manufacturer

Name: Delphi

Address: 2151 E. Lincoln Road

Kokomo 46902

Country: NR

Chronology:

GM filed recall 16V-651 on September 8, 2016. GM's dealer bulletin associated with this recall instructed dealers to reprogram the vehicle's SDM module with corrected software.

In April 2017, while conducting an audit of a GM dealership's warranty- and recall-repair records, GM Audit Services identified three instances in which the dealership failed to successfully reprogram the vehicle's SDM module with the corrected recall-remedy software, yet those dealers had indicated in GM's systems that the recall remedy for recall 16V-651 had been performed on the subject vehicles. To determine whether other vehicles could have also failed to receive the corrected recall-remedy software, GM analyzed service records and OnStar data relating to a sample of 30,000 vehicles that had received service for recall 16V-651. This analysis indicated that some of these vehicles could have failed to receive the corrected recall-remedy software. On May 18, 2017, this issue was reported as a potential safety issue through GM's Speak Up for Safety (SUFS) program.

Using service records and OnStar data, GM's investigation identified a total of approximately 41,000 vehicles (out of approximately 2.97 million vehicles that had received service for the recall) that potentially did not receive the corrected recall-remedy software while being serviced for recall 16V-651. Rather than send a second recall notice to the affected vehicle owners under recall 16V-651, GM's Safety Field Action Decision Authority decided on June 30, 2017, to conduct a second safety recall.

Description of Remedy:

Description of Remedy Program: Dealers will reflash the SDM with new software that eliminates this defect

using a revised service procedure. In vehicles with any previous deployment events recorded in the SDM, the dealers will replace the existing SDM with a new SDM containing the latest software. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to

the plan submitted on May 20, 2015.

How Remedy Component Differs The new software changes the oscillation test so that it does not affect the

from Recalled Component: multipoint system's airbag and seatbelt pretensioner deployment

decisions. The remedy service procedure is revised to require dealerships to record and submit programming sequence confirmation information.

Recalled Component Name: SDM

Recalled Component Description: Sensing and diagnostic module **Recalled Component Part Number:** Software: 13518038, 13518017, Hardware (Ancillary/Collateral Parts): 13594402, 13594413, 13594404,

13594406, 13592885

Recalled Component Country of Origin: U.S.

Identify How/When Recall Condition The reflashed software was added to all Chevrolet Silverado LD, Chevrolet was Corrected in Production: Silverado HD, Chevrolet Corvette, Chevrolet Tahoe, Chevrolet Trax, Chevrolet Spark EV, Chevrolet Suburban, Chevrolet Caprice Police, Chevrolet SS GMC Sierra LD, GMC Sierra HD, GMC Yukon, GMC Yukon XL, Buick Lacrosse, Buick Encore, Cadillac Escalade, and Cadillac Escalade ESV

vehicles built after 8/24/2016.

Recall Schedule:

Description of Recall Schedule: Dealers will be notified on July 10, 2017. General Motors will provide

owner letter notification dates when available.

Planned Dealer Notification Date: JUL 10, 2017 - JUL 10, 2017

Planned Owner Notification Date: NR - NR

* NR - Not Reported