

Part 573 Safety Recall Report

16V-256

Manufacturer Name : General Motors LLC**Submission Date :** APR 21, 2017**NHTSA Recall No. :** 16V-256**Manufacturer Recall No. :** 42190**Manufacturer Information :****Population :**

Manufacturer Name : General Motors LLC

Number of potentially involved : 3,738

Address : 30001 VAN DYKE
MAIL CODE 480-210-2V WARREN MI
48090

Estimated percentage with defect : 100 %

Company phone : 5961733

Vehicle Information :

Vehicle 1 : 2016-2016 Cadillac Escalade

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 Cadillac Escalade vehicles

Production Dates : FEB 18, 2016 - APR 06, 2016

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2016-2016 Cadillac Escalade ESV

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 Cadillac Escalade ESV vehicles

Production Dates : FEB 17, 2016 - APR 08, 2016

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2016-2017 Chevrolet Silverado 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016-2017 Chevrolet Silverado 1500 vehicles

Production Dates : FEB 11, 2016 - APR 08, 2016

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 4 : 2016-2016 GMC Yukon XL

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 GMC Yukon XL vehicles

Production Dates : FEB 17, 2016 - APR 05, 2016

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2016-2016 Chevrolet Tahoe

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 Chevrolet Tahoe vehicles

Production Dates : FEB 17, 2016 - APR 08, 2016

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2016-2016 GMC Sierra

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 GMC Sierra vehicles

Production Dates : FEB 11, 2016 - APR 05, 2016

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2016-2016 GMC Yukon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 GMC Yukon vehicles

Production Dates : FEB 16, 2016 - APR 07, 2016

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 8 : 2016-2016 Chevrolet Suburban

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 Chevrolet Suburban vehicles

Production Dates : APR 02, 2016 - APR 08, 2016

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 Cadillac Escalade, Cadillac Escalade ESV, Chevrolet Suburban, Chevrolet Tahoe, GMC Sierra, GMC Yukon, and GMC Yukon XL and 2016-2017 Chevrolet Silverado 1500 vehicles. Some of these vehicles may have been built with front upper control arms with a poor quality weld near the control arm's bushing. These poor quality welds could fail, causing the upper control arm to deform or separate from the bushing.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the weld were to fail, steering and directional control of the vehicle could be compromised, which could increase the risk of a crash.

Description of the Cause : The supplier of the upper control arm did not properly complete the welds as required.

Identification of Any Warning
that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Multimatic Inmetmatic

Address : Ave. Santa Fe No. 12, Parque Industrial

Carretera 57 Queretaro - San Luis Potosi San Jose Iturbide FOREIGN STATES 37980

Country : Mexico

Chronology :

On April 5, 2016, a newly built GMC Yukon XL Denali became difficult to control during a squeak and rattle test at GM's Arlington assembly plant. The vehicle's left front tire showed excessive camber and the left front upper control arm was deformed. From a visual inspection, it appeared that a failed weld near the upper control arm's bushing caused the arm to deform. The control arm was removed and sent to GM's materials lab for further analysis. On April 7, GM's lab confirmed that poor weld quality on the upper control arm caused the weld to fail and the arm to deform.

On April 8, 2016, the Arlington plant quality manager reported the weld issue as a potential safety issue through GM's Speak Up For Safety (SUFS) program. On April 11, 2016, GM opened an investigation. To test the effect of a failed weld, GM ran a test at its Milford Proving Ground to simulate the poor quality weld on the upper control arm. The test confirmed that a deformed or fully-separated upper control arm can significantly degrade steering control, making the vehicle very difficult to drive even at low speeds. The test also confirmed that the poor quality weld can fail at low or high speeds during steering or braking maneuvers, or with jarring road inputs such as potholes.

On April 20, 2016, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

On May 5, 2016, GM revised the recall population based on updated information from GM's Fort Wayne and Arlington assembly plants.

Description of Remedy :

Description of Remedy Program : Dealers will replace the left and right front upper control arms. Vehicles in the field will also be realigned. 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 : Replacement parts were produced after supplier manufacturing processes were corrected to meet GM specifications.

Recalled Component Name: ARM ASM – FRT UPR CONT

Recalled Component Description: Front Upper Control Arm

Recalled Component Part Number: 23420263, 23420264

Recalled Component Country of Origin: Mexico

Identify How/When Recall Condition was Corrected in Production : Vehicles produced on or after April 8, 2016, were built with parts off supplier improved manufacturing processes. Vehicles built between April 5 and April 8, 2016 were inspected and, if necessary, retrofitted prior to shipment from the plant.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on April 27, 2016. GM will provide owner letter mail dates when available.

Planned Dealer Notification Date : APR 27, 2016 - APR 27, 2016

Planned Owner Notification Date : MAY 18, 2016 - JAN 17, 2017

* NR - Not Reported