

# Part 573 Safety Recall Report

# 18V-673

**Manufacturer Name :** General Motors LLC**Submission Date :** SEP 26, 2018**NHTSA Recall No. :** 18V-673**Manufacturer Recall No. :** 18315**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 : 15,800

Estimated percentage with defect : 30 %

**Vehicle Information :**

Vehicle 1 : 2018-2019 GMC Yukon XL

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recalled population includes vehicles with rear retractor sensor covers (third-row center position) manufactured by the supplier in May 2018. This was determined through supplier part serial number trace data and plant manufacturing records. 4993 vehicles are affected.

Production Dates : JUN 01, 2018 - AUG 29, 2018

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 2 : 2018-2019 Cadillac CT6

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recalled population includes vehicles with rear retractor sensor covers (second-row center position) manufactured by the supplier in May 2018. This was determined through supplier part serial number trace data and plant manufacturing records. 1047 vehicles are affected.

Production Dates : JUN 08, 2018 - SEP 20, 2018

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 3 : 2018-2019 Cadillac Escalade ESV

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recalled population includes vehicles with rear retractor sensor covers (third-row center position) manufactured by the supplier in May 2018. This was

determined through supplier part serial number trace data and plant manufacturing records. 1191 vehicles are affected.

Production Dates : JUN 01, 2018 - SEP 20, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2018-2019 Chevrolet Suburban

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recalled population includes vehicles with rear retractor sensor covers (third-row center position) manufactured by the supplier in May 2018. This was determined through supplier part serial number trace data and plant manufacturing records. 6112 vehicles are affected.

Production Dates : JUN 01, 2018 - SEP 05, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2018-2019 Chevrolet Volt

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recalled population includes vehicles with rear retractor sensor covers (second-row outboard positions) manufactured by the supplier in May 2018. This was determined through supplier part serial number trace data and plant manufacturing records. 2457 vehicles are affected.

Production Dates : JUN 07, 2018 - SEP 20, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Noncompliance :

**Description of the Noncompliance :** General Motors has decided that certain 2018 -2019 Cadillac CT6 and Escalade ESV vehicles; Chevrolet Suburban and Volt vehicles; and GMC Yukon XL vehicles may fail to conform to S7.1.1.5(a) of Federal Motor Vehicle Safety Standard (FMVSS) No. 208, "Occupant crash protection." In these vehicles, a child seat can be installed in the rear seats using either the LATCH anchorage system or the vehicle's seatbelts. To permit the installation of a child seat using a seatbelt, the vehicle's rear-seatbelt retractor assemblies are equipped with automatic-locking retractors, or ALRs, that are designed to lock the seatbelt when it is fully pulled out of the retractor. In some of these vehicles, an ALR may not lock the seatbelt when it is fully pulled out of the retractor.

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

**Description of the Safety Risk :** An unlocked seatbelt, if used to secure a child seat, will fail to properly secure a child seat, increasing the risk of injury to a child-seat occupant in a crash.

**Description of the Cause :** This condition is detectable during child-seat installation and does not impact the seatbelt's emergency-locking mechanisms, which automatically lock the seatbelt during crash events.

**Identification of Any Warning that can Occur :** The manufacturer of the retractor-sensor cover produced dimensionally out-of-tolerance parts that prevent the ALR from locking the seatbelt when it is fully pulled out of the retractor.

**Identification of Any Warning that can Occur :** An owner attempting to install a child seat using the rear seatbelt will notice that the seatbelt fails to lock when the seatbelt is fully pulled out of the retractor and therefore does not allow the child seat to be properly installed.

## Supplier Identification :

### Component Manufacturer

Name : ZF TRW

Address : 12025 Tech Center Drive  
Livonia MICHIGAN 48150

Country : United States

## Chronology :

On July 13, 2018, a vehicle inspection at GM's Detroit-Hamtramck assembly plant identified a rear-center seat ALR that failed to lock the seatbelt in a 2018 model year Cadillac CT6 vehicle. On July 15, 2018, a plant quality manager reported the issue through GM's Speak Up For Safety program. On July 19, 2018, ZF informed GM that it identified a specific mold cavity in its tier two supplier's manufacturing process that may have been producing retractor-sensor covers with incorrect dimensions that could interfere with the ALR.

GM opened a formal product investigation on July 23, 2018. GM inspected approximately 633 rear-seatbelt retractors in GM dealer-service part inventory, GM employee vehicles, and vehicles on yard-hold at GM's Detroit-Hamtramck and Arlington assembly plants. These retractors were built from December 2013 through July 2018. GM's inspections identified 93 retractors with nonfunctional ALRs built with a sensor cover manufactured in May 2018; and 91 contained a sensor cover that was molded by the supplier's suspect mold cavity.

Based on this data, on September 21, 2018, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a noncompliance recall on vehicles that were built with a retractor manufactured in May 2018.

**Description of Remedy :**

Description of Remedy Program : Dealers will inspect rear-seatbelt retractors to verify proper ALR function and replace the retractor if necessary. 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 retractors are assembled with sensor covers that were not produced in May 2018.

Recalled Component Name: RETRACTOR ASM-R/SEAT, RETRACTOR ASM-3RD ROW

Recalled Component Description: Rear Seatbelt Retractor

Recalled Component Part Number: 23114935, 84231973, 84231979-81, 84253876-81, 84286625-27, 84286629-31, 84463385-86, 84463389, 84468279-80, 84468282-83

Recalled Component Country of Origin: Mexico

Identify How/When Recall Condition was Corrected in Production : The retractor-sensor cover manufacturer has implemented tooling modifications and process changes designed to prevent and detect future nonconforming sensor covers.

**Recall Schedule :**

Description of Recall Schedule : GM will notify dealers on September 26, 2018. GM will provided planned owner notification dates when available.

Planned Dealer Notification Date : SEP 26, 2018 - SEP 26, 2018

Planned Owner Notification Date : NR - NR

\* NR - Not Reported