

Part 573 Safety Recall Report

20V-446

Manufacturer Name : General Motors LLC**Submission Date :** JUL 30, 2020**NHTSA Recall No. :** 20V-446**Manufacturer Recall No. :** N202305380**Manufacturer Information :****Population :**

Manufacturer Name : General Motors LLC

Number of potentially involved : 769

Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI
48093

Estimated percentage with defect : 1 %

Company phone : 586-596-1733

Vehicle Information :

Vehicle 1 : 2020-2020 Buick Enclave

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

30 Buick Enclave vehicles are affected by this recall.

Production Dates : MAR 09, 2020 - JUN 11, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2020-2020 Cadillac XT5

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

12 Cadillac XT5 vehicles are affected by this recall.

Production Dates : MAR 17, 2020 - JUN 25, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2020-2020 Cadillac XT6

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

18 Cadillac XT6 vehicles are affected by this recall.

Production Dates : MAR 16, 2020 - JUL 15, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2020 Chevrolet Blazer

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

19 Chevrolet Blazer vehicles are affected by this recall.

Production Dates : MAR 09, 2020 - MAR 26, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2020-2020 Chevrolet Silverado 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

265 Chevrolet Silverado 1500 vehicles are affected by this recall.

Production Dates : FEB 27, 2020 - JUN 22, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2020 Chevrolet Silverado 2500/3500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

55 Chevrolet Silverado 2500/3500 vehicles are affected by this recall.

Production Dates : MAR 07, 2020 - JUN 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2020-2020 Chevrolet Traverse

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

118 Chevrolet Traverse vehicles are affected by this recall.

Production Dates : MAR 04, 2020 - JUL 06, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2020-2020 GMC Sierra 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

146 GMC Sierra 1500 vehicles are affected by this recall.

Production Dates : FEB 27, 2020 - JUN 22, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2020-2020 GMC Sierra 2500/3500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

54 GMC Sierra 2500/3500 vehicles are affected by this recall.

Production Dates : MAR 06, 2020 - JUN 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2020-2020 GMC Acadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Part traceability data was used to identify the affected vehicles. Vehicles produced with parts outside the supplier's suspect production window are not included in this recall.

52 GMC Acadia vehicles are affected by this recall.

Production Dates : MAR 04, 2020 - JUN 25, 2020

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 2020 model year Buick Enclave vehicles; 2020 model year Cadillac XT5 and XT6 vehicles; 2020 model year Chevrolet Blazer, Silverado 1500, Silverado 2500/3500, and Traverse vehicles; and 2020 model year GMC Sierra 1500, Sierra 2500/3500, and Acadia vehicles. In these vehicles, the diffuser component of the roof-rail airbag ("RRAB") inflator may not have been properly crimped to the inflator by the supplier and could separate from the inflator during airbag deployment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the diffuser separates from the inflator during deployment, RRAB performance may be degraded, which could increase risk of injury to occupants in a crash.

Description of the Cause : The RRAB module supplier's laser detection system failed to properly detect mispositioned parts, which allowed some parts to be improperly crimped during RRAB inflator assembly.

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84444704, 84444705

Component Name 2 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84476917, 84476918

Component Name 3 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84505454, 84505455

Component Name 4 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84715300, 84715301

Component Name 5 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84738608, 84738609

Component Name 6 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84743877, 84743878

Component Name 7 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84811475, 84811476

Component Name 8 : AIRBAG ASM-FRT & RR ROW R/RAIL

Component Description : Roof Rail Air Bag

Component Part Number : 84823711, 84823712

Supplier Identification :

Component Manufacturer

Name : ZF Group

Address : 12001 Tech Center Drive
Livonia MICHIGAN 48150

Country : United States

Chronology :

On May 1, 2020, ZF notified GM of a potential quality issue in certain RRAB inflator modules supplied by ZF to GM. ZF first identified the issue in March 2020, during a lot-acceptance test of an inflator module produced by ZF for another OEM. During that test, the RRAB inflator diffuser detached from the inflator during the deployment. A GM engineer submitted the issue to GM's Speak Up For Safety program on May 1, 2020. On May 5, 2020, GM opened a formal product investigation.

GM's investigation proceeded in two phases: system-level testing using computer simulations and module-level testing using RRAB inflator modules specially built by ZF with improperly crimped diffusers. From May 28, 2020 to July 6, 2020, GM conducted computer simulations in the various GM vehicle models that, according to ZF's records, might contain potentially misbuilt RRAB modules. All of GM's computer simulations indicated that a mid-deployment diffuser separation would have no adverse effect on RRAB deployment performance.

On July 13, 2020, ZF informed GM of the preliminary results of its module-level testing on specially built parts. In four out of six tests, the diffuser separated from the RRAB module, and three of the four separated diffusers caused damage to the airbag cushion. Based on this data, on July 23, 2020, GM's Safety and Field Action Decision Authority decided to conduct a safety recall. GM is not aware of any field claims related to this condition.

Description of Remedy :

Description of Remedy Program : Dealers will replace suspect RRAB modules. Suspect modules may be on the left side and/or right side.
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 : Remedy parts were produced outside the supplier's suspect production window.

Identify How/When Recall Condition was Corrected in Production : The supplier completed implementation of corrective measures on April 3, 2020. Suspect parts produced prior to that were then traced to specific VINs.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on July 30, 2020. Customer notification is estimated to begin on September 14, 2020.

Planned Dealer Notification Date : JUL 30, 2020 - JUL 30, 2020

Planned Owner Notification Date : SEP 14, 2020 - SEP 14, 2020

* NR - Not Reported