

Part 573 Safety Recall Report

23V-043

Manufacturer Name : General Motors, LLC**Submission Date :** FEB 02, 2023**NHTSA Recall No. :** 23V-043**Manufacturer Recall No. :** N222393410**Manufacturer Information :**

Manufacturer Name : General Motors, LLC

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

Company phone : 586-596-1733

Population :

Number of potentially involved : 10

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Cadillac XT5

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part traceability data were used to identify potentially affected vehicles.

Cadillac XT5 models with the V6 engine are not affected by this recall.

Vehicles with passenger side half-shaft assemblies built outside the supplier's suspect window are not included in this recall.

There are 4 Cadillac XT5 vehicles affected by this recall.

Production Dates : DEC 08, 2022 - DEC 09, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2023-2023 GMC Acadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part traceability data were used to identify potentially affected vehicles.

GMC Acadia models with the V6 engine are not affected by this recall.

Vehicles with passenger side half-shaft assemblies built outside the supplier's suspect window are not included in this recall.

There are 6 GMC Acadia vehicles affected by this recall.

Production Dates : JAN 03, 2023 - JAN 03, 2023

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 a small number of 2023 model year Cadillac XT5 and GMC Acadia vehicles. The right-front half-shaft assemblies in these vehicles may not conform to GM's specifications for the connection between the half-shaft and the transmission. These half-shafts could separate from the transmission under certain load conditions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the vehicle unexpectedly loses propulsion and/or mechanical park, there is increased risk of a crash or roll-away.

Description of the Cause : The half-shaft supplier used an incorrect cutting tool to machine a groove that seats the half-shaft's retaining snap-ring.

Identification of Any Warning that can Occur : [intentionally left blank]

Involved Components :

Component Name 1 : SHAFT ASM-FRT WHL DRV HALF

Component Description : Passenger Side Half Shaft

Component Part Number : 87832751

Supplier Identification :

Component Manufacturer

Name : Nexteer Automotive
Address : 3900 E. Holland Rd.
Saginaw Michigan 48601
Country : United States

Chronology :

On December 13, 2022, a GM design engineer submitted a report to GM's Speak Up for Safety (SUFS) program following notification from the supplier of a potential quality spill on right-front half-shafts produced for certain 2023 Cadillac XT5 and GMC Acadia vehicles. The supplier indicated that it may have used an incorrect cutting tool to machine a groove that seats the half-shaft's retaining snap-ring, potentially resulting in a reduction in retention force of the half-shaft to the transmission.

GM opened a product investigation on December 16, 2022. GM's investigator retrieved and reviewed field data and worked with the supplier to define the nature of the condition, its potential effects on half-shaft retention, and the affected population. Preliminary testing by the supplier indicated that the condition may reduce half-shaft retention substantially below the performance of half-shafts that were correctly manufactured, and in some cases below GM's minimum retention targets. No field incidents were identified that related to this condition.

On January 26, 2023, GM's Safety and Field Action Decision Authority decided to conduct a safety recall for vehicles that received suspect passenger side half-shaft assemblies.

Description of Remedy :

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| Description of Remedy Program : | Dealers will replace passenger side half-shaft assemblies. 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 passenger side half-shaft assemblies are produced outside of the supplier's suspect window. |
| Identify How/When Recall Condition was Corrected in Production : | The supplier purged all defective shafts on December 9, 2022. GM's Spring Hill assembly plant started using clean stock on December 13, 2022. |

Recall Schedule :

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| Description of Recall Schedule : | Dealers will be notified on February 2, 2023. Owner notification is estimated to begin on March 24, 2023. |
| Planned Dealer Notification Date : | FEB 02, 2023 - FEB 02, 2023 |

Planned Owner Notification Date : MAR 24, 2023 - MAR 24, 2023

* NR - Not Reported