

# Part 573 Safety Recall Report

# 23V-903

**Manufacturer Name :** Ineos Automotive Americas, LLC

**Submission Date :** MAY 28, 2024

**NHTSA Recall No. :** 23V-903

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** Ineos Automotive Americas, LLC

**Address :** 2020 Progress CT STE 100-112

Raleigh NC 27608

**Company phone :** 919-296-3626

## Population :

**Number of potentially involved :** 61

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2023-2024 INEOS AUTOMOTIVE GRENADIER

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** STATIONWAGON

**Power Train :** GAS

**Descriptive Information :** The affected vehicles were determined based on analyzing production records, and include units that were assembled during the production period where an incorrect part may have been used until a production change was introduced.

**Production Dates :** MAY 17, 2023 - DEC 04, 2023

**VIN Range 1 : Begin :** SC6GM1CA0RF010858 **End :** SC6GN3CAXPFP10148  Not sequential

## Description of Defect :

**Description of the Defect :** On certain MY23 and MY24 vehicles, incorrect non locking steering rod ball joint nuts may have been used during assembly instead of a locking nut which could result in the nut becoming loose over time or potentially result in a lost nut condition. If the nut loosens to the point at which it becomes lost, the steering rod ball joint can become uncoupled from the steering knuckle.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the non-locking nut loosens enough that it becomes lost and the steering rod ball joint uncouples from the steering knuckle, a loss of steering functionality could occur, resulting in the increased risk of a crash.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** Steering free play, excessive vibration and noise as a result of a loose nut.

## Involved Components :

Component Name 1 : M16 Nut

Component Description : Fastening Nut

Component Part Number : GRA-0000-004720

## Supplier Identification :

### Component Manufacturer

Name : INEOS AUTOMOTIVE LIMITED

Address : Hawkslease, Chapel Lane,  
Lyndhurst Foreign States SO43 7FG

Country : United Kingdom

## Chronology :

In early December 2023, INEOS became aware of reports involving two vehicles with loose steering rods observed. Separately, INEOS received a report related to a vehicle with a lost drag link during off-road driving. INEOS initiated an investigation which included an inspection of internal fleet vehicles. This inspection revealed one vehicle in which was installed a non-locking nut instead of a locking nut at the steering rod ball joint. INEOS then conducted an analysis of the screwing curves of vehicles with the locking vs. non-locking nut. Even though the non-locking nut had been torqued to the appropriate value, there was a potential for the non-locking nut to loosen over time. On December 21, 2023 INEOS determined that a safety related defect exists in the identified vehicles and that 5 of those vehicles had been customer delivered. \* On 5/28/2024 INEOS amended its report to update the customer notification date, involved component information and risk identification language as requested by NHTSA.\*

## Description of Remedy :

Description of Remedy Program : INEOS dealers will perform at no charge to the customer, a replacement of the steering rod ball joint nuts.

How Remedy Component Differs from Recalled Component : The replacement nut utilizes an oval lock nut design to secure the fastener.

Identify How/When Recall Condition was Corrected in Production : Running changes were made to the production line assembly process on December 7th.

## Recall Schedule :

Description of Recall Schedule : Communicate notification to dealers beginning 12.29.2023. Distribute

recall notice to customer vehicles by the date listed below. Customers will be advised to seek reimbursement for pre-notification remedies through INEOS.

Planned Dealer Notification Date : DEC 29, 2023 - DEC 29, 2023

Planned Owner Notification Date : JUN 24, 2024 - DEC 31, 2024

\* NR - Not Reported