

Part 573 Safety Recall Report

22V-744

Manufacturer Name : Rivian Automotive, LLC**Submission Date :** OCT 11, 2022**NHTSA Recall No. :** 22V-744**Manufacturer Recall No. :** FSAM 997**Manufacturer Information :**

Manufacturer Name : Rivian Automotive, LLC

Address : 13250 North Haggerty Road
PLYMOUTH MI 48170

Company phone : 999

Population :

Number of potentially involved : 12,212

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2022 Rivian R1T

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : The subject population is comprised of MY 2022 R1T and R1S vehicles built during a 13-month period, and, a subset of EDVs produced between December 10, 2021 and September 27, 2022, in which records cannot confirm that the front upper control arm and the steering knuckle retention fastener for each front wheel was properly torqued.

Production Dates : AUG 23, 2021 - SEP 24, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2022-2022 Rivian R1S

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : NR

Descriptive Information : The subject population is comprised of MY 2022 R1T and R1S vehicles built during a 13-month period, and, a subset of EDVs produced between December 10, 2021 and September 27, 2022, in which records cannot confirm that the front upper control arm and the steering knuckle retention fastener for each front wheel was properly torqued.

Production Dates : SEP 28, 2021 - SEP 23, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2022-2022 Rivian EDV

Vehicle Type : LIGHT VEHICLES

Body Style : VAN

Power Train : NR

Descriptive Information : The subject population is comprised of MY 2022 R1T and R1S vehicles built during a 13-month period, and, a subset of EDVs produced between December 10, 2021 and September 27, 2022, in which records cannot confirm that the front upper control arm and the steering knuckle retention fastener for each front wheel was properly torqued.

Production Dates : DEC 10, 2021 - SEP 27, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The nut connecting the front upper control arm and steering knuckle may not have been sufficiently torqued.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An improperly torqued steering knuckle fastener could cause excessive wheel camber, or, in rare instances, a separation, affecting the driver's ability to control the vehicle, and increasing the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : Customers with affected VINs may experience excessive noise, vibration, and harshness from the front suspension and/or a change in steering performance or feel.

Involved Components :

Component Name 1 : NUT

Component Description : M14X1.5 HX FL ADH CL10 R107G

Component Part Number : SC00006949-A

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR
NR
Country : NR

Chronology :

On August 13, 2022, Rivian identified a vehicle where the upper control arm had separated from the steering knuckle. The incident was reviewed by engineering and an investigation into root cause and scope was initiated.

On September 24, 2022, Rivian became aware of two vehicles where the steering knuckle had become loose or separated.

As of September 28, 2022, Rivian had become aware of six reports potentially related to this issue that had accumulated over the production of R1T, R1S, and EDV vehicles (a rate of 0.037%).

On September 29, 2022, Rivian completed its investigation, confirming the suspected root cause, risk assessment, remedy, and affected population.

On September 30, 2022, Rivian determined that a safety-related defect exists related to this matter.

As of the date of this filing, Rivian has identified six field reports and three warranty claims potentially related to this issue for all markets with dates of receipt between December 21, 2021 and September 24, 2022.

As of the date of this filing, Rivian is not aware of any crash, death, or injury related to this issue in any market.

Description of Remedy :

Description of Remedy Program : Rivian will inspect and, as necessary, properly secure the steering knuckle fasteners in the affected vehicles. In the event that components require replacement, Rivian will replace components, as necessary.
Rivian has a policy and practice of reimbursing owners who have paid for a repair that subsequently becomes the subject of a field action. To ensure consistency, Rivian, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

How Remedy Component Differs from Recalled Component : The remedy components will be a sufficiently torqued fastener.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Rivian will begin notifying affected customers as soon as possible through emails and text messages. We will mail notifications on or before November 24th, 2022.

As a direct-to consumer manufacturer, Rivian owns and operates all of the Company's sales and service operations. As all "dealers" are Rivian owned entities, notification will be through internal means to our licensed store and service operations addressing this recall on or before the date set forth in this response.

Planned Dealer Notification Date : NOV 24, 2022 - NOV 24, 2022

Planned Owner Notification Date : NOV 24, 2022 - NOV 24, 2022

* NR - Not Reported