

Part 573 Safety Recall Report

23E-031

Manufacturer Name : Meritor, Inc.**Submission Date :** APR 11, 2023**NHTSA Recall No. :** 23E-031**Manufacturer Recall No. :** NR**Manufacturer Information :****Manufacturer Name :** Meritor, Inc.**Address :** 2135 West Maple Road
Troy MI 48084**Company phone :** 248-435-1725**Population :****Number of potentially involved :** 65**Estimated percentage with defect :** NR**Equipment Information :****Brand / Trade 1 :** Meritor**Model :** MFS**Part No. :** MFS20133ANK66**Size :** NR**Function :** Axle**Descriptive Information :** Meritor received report from a customer regarding end play adjustment. As a result of the investigation, it was observed that some of the keeper spindle nuts did not have the keeper installed correctly.

The affected axles were built between 1/15/2020 and 11/05/2022 at the Laurinburg manufacturing site.

Production Dates : JAN 15, 2020 - NOV 05, 2022

Brand / Trade 2 : Meritor

Model : FF

Part No. : FF961LX296

Size : NR

Function : Axle

Descriptive Information : Meritor received report from a customer regarding end play adjustment. As a result of the investigation, it was observed that some of the keeper spindle nuts did not have the keeper installed correctly.

The affected axles were built between 1/15/2020 and 11/05/2022 at the Laurinburg manufacturing site.

Production Dates : JAN 15, 2020 - NOV 05, 2022

Brand / Trade 3 : Meritor

Model : MFS

Part No. : MFS20133ANK86

Size : NR

Function : Axle

Descriptive Information : Meritor received report from a customer regarding end play adjustment. As a result of the investigation, it was observed that some of the keeper spindle nuts did not have the keeper installed correctly.

The affected axles were built between 1/15/2020 and 11/05/2022 at the Laurinburg manufacturing site.

Production Dates : JAN 15, 2020 - NOV 05, 2022

Description of Defect :

Description of the Defect : Improper assembly of the keeper spindle nut can result in nut being able to rotate on the spindle threads. If the nut loosens over time, the wheel end may separate from the steer axle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The OEMs determined potential safety issue could result in potential injury, loss of vehicle control, and increase risk of crash.

Description of the Cause : Installing the keepers on the pro-torque nut is a manual process and the standard operating procedure was not followed by the operator.

Identification of Any Warning that can Occur : The driver would initially feel vibration from the steer axle.

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

12/12/2022 – Notified by customer that it was observed that the orange keeper was not installed correctly from the Meritor factory on some of the ProTorq® spindle nuts.

12/12/2022 - RCM / 8D # CC23-0034 was opened for improper keeper installation on front axles by Laurinburg. Front axle quality technicians were assigned to validate engagement of keepers and capture pictures of keeper installation and on all ProTorq® spindle nuts built on the front axle line.

12/21/2022 – Engineering began working on analysis involving improper keeper installation reported by customer.

1/11/2023 – Engineering provide summary of investigation to product safety and compliance counsel and continued investigation.

2/6/2023 – Meritor Product Safety and Compliance Committee reviewed engineering technical position conclusion and determined a possible safety related concern has been identified and impacted customers should be notified.

2/6 – 3/23/2023 – Communication with customers conducted.

3/23/2023 – Meritor notified that Spartan Fire filed a 573 Defect Report with NHTSA.

3/31/2023 – Meritor notified that Capacity of Texas filed a 573 Defect Report with NHTSA.

Description of Remedy :

Description of Remedy Program : Meritor will work with affected vehicle manufacturers to inspect and replace the pro-torque nut keepers as necessary on the subject steer axles. The vehicles that have been remedied would have been covered through the normal warranty process.

How Remedy Component Differs from Recalled Component : The remedy is to correct the installation of the pro-torque nut keeper within the axle. The remedy component would be the same.

Identify How/When Recall Condition was Corrected in Production : Meritor issued a quality alert in production, verified in-house inventory, and put in place new corrective action processes by 12/26/2022.

Recall Schedule :

Description of Recall Schedule : The affected OEM's will conduct the recall and will process notifications. Meritor will support, as required.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Spartan Fire

Address : 1541 Reynolds Road
Charlotte MI 48813

Country : US

Company Phone : 5715884700

Name : Capacity of Texas

Address : 401 Capacity Drive
Longview TX 75604

Country : US

Company Phone : 9037590610

* NR - Not Reported