

Part 573 Safety Recall Report

23V-192

Manufacturer Name : Spartan Fire, LLC

Submission Date : MAR 23, 2023

NHTSA Recall No. : 23V-192

Manufacturer Recall No. : 23009



Manufacturer Information :

Manufacturer Name : Spartan Fire, LLC

Address : 1541 Reynolds Road
Charlotte MI 48813

Company phone : 517-588-4700

Population :

Number of potentially involved : 12

Estimated percentage with defect : 75 %

Vehicle Information :

Vehicle 1 : 2020-2023 Spartan Fire Gladiator and MetroStar

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The emergency response cab chassis affected by this recall are equipped with a Meritor steer axle pro-torque nut keeper. Meritor supplied axle Serial Numbers that were traced to the affected cab chassis.

Quantity 2 – Gladiator 2020 model year trucks affected.

Quantity 2 – Gladiator 2022 model year trucks affected.

Quantity 6 – Gladiator 2023 model year trucks affected.

Quantity 2 – MetroStar 2023 model year trucks affected.

Production Dates : JUL 02, 2020 - JAN 17, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Based upon information provided by Meritor, if the keeper is not properly installed and engaged on the pro-torque nut wheel end, the nut may loosen. 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 : Separation of the wheel end from the steer axle could result in potential injury, loss of vehicle control, and increase the risk of a crash.

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

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

Involved Components :

Component Name 1 : Steer Axle

Component Description : Pro-torque spindle nut keeper

Component Part Number : Unknown

Supplier Identification :**Component Manufacturer**

Name : Meritor

Address : 22021 Skyway Church Rd
Maxton North Carolina 28364

Country : United States

Chronology :

On March 2, 2023 – Spartan Fire received communication from Meritor of a potential issue with their pro-torque nut keeper installation. An investigation was started and PSR team created.

March 2 – 15, 2023 – Spartan identified the potential population, conducted a risk assessment and issued a stop ship.

On March 15, 2023 - Escalated the issue to REV Group Management.

On March 22, 2023 – REV Group Recall Committee approved a voluntary recall for this issue.

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 : Spartan to begin Dealer and Final Stage Manufacturer notifications by week of April 24, 2023 and owner notifications the week of May 1, 2023.

Planned Dealer Notification Date : APR 24, 2023 - APR 28, 2023

Planned Owner Notification Date : MAY 01, 2023 - MAY 05, 2023

* NR - Not Reported