

Part 573 Safety Recall Report

22V-531

Manufacturer Name : Shyft Group

Submission Date : JUL 22, 2022

NHTSA Recall No. : 22V-531

Manufacturer Recall No. : 22-04



Manufacturer Information :

Manufacturer Name : Shyft Group

Address : 1541 Reynolds Road
Charlotte MI 48813

Company phone : 517-543-6400

Population :

Number of potentially involved : 85

Estimated percentage with defect : 7 %

Vehicle Information :

Vehicle 1 : 2022-2023 Spartan RV Chassis K1, K2, K3 and K4

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : UNKNOWN

Power Train : DIESEL

Descriptive Information : The affected chassis are equipped with a Meritor IFS and steering gear supplied by RH Sheppard. These chassis would be the only ones built with that configuration.

Production Dates : OCT 07, 2021 - MAY 18, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : In 22E-047, RH Sheppard indicated steering gear was assembled with fewer than the required number of recirculating balls which can lead to a fracture in the steering gear worm-shaft and loss of vehicle steering.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In 22E-047, RH Sheppard asserts a steering gear with fewer than the required number of recirculating balls may bind when loads are applied. In some cases the balls may align on the same side of the gear's worm-shaft and concentrated loads may cause the gear's internal parts to fracture resulting in loss of vehicle steering. Loss of steering increases the likelihood of a crash.

Description of the Cause : An anomaly in the steering gear recirculating ball insertion operation occurred during assembly. Subsequent rework processes and inspections did not detect the missing recirculating balls.

Identification of Any Warning that can Occur : Preceding the internal fracture, the steering may be perceived as strained by the driver. No audible or visual warning is available.

Involved Components :

Component Name 1 : Steering Gear

Component Description : Steering Gear

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : R.H.Sheppard Co., Inc

Address : 901 Cleveland St
Elyria Ohio 44035

Country : United States

Chronology :

On, or near, June 8, 2022, Product Compliance became aware of R.H. Sheppard's recall 22E-047. Due to an unrelated matter, the recall was sent to Shyft's engineering team who then contacted Meritor, the assembler of the Independent Front Suspension. On June 16, 2022 Sheppard confirmed serial numbers of gears that Shyft or Meritor may have received. On, June 17, 2022, a stop ship was put in place at Shyft to inspect all suspect steering gears. Shyft continued to work with Meritor to identify the small number of affected gears. Due to the inability to narrow the population, Shyft determined a defect relating to motor vehicle safety could exist in the affected vehicles on July 22, 2022.

Description of Remedy :

Description of Remedy Program : All affected vehicles will be inspected to determine if the serial number is in the range provided by Sheppard. If a suspect steering gear is found, it will be replaced at no charge. The affected vehicles are within their warranty period.

How Remedy Component Differs from Recalled Component : The remedy steering gears were assembled with the correct number of recirculating balls where the recalled steering gears may not have been

Identify How/When Recall Condition was Corrected in Production : The affected chassis and IFS's in Shyft's direct control were placed on stop ship and confirmed to be not be equipped with the affected steering gears on June 17, 2022.

Recall Schedule :

Description of Recall Schedule : Shyft does not have dealers for this product line.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : AUG 12, 2022 - AUG 12, 2022

* NR - Not Reported