

Part 573 Safety Recall Report

24V-052

Manufacturer Name : Shyft Group

Submission Date : JAN 30, 2024

NHTSA Recall No. : 24V-052

Manufacturer Recall No. : 24-01



Manufacturer Information :

Manufacturer Name : Shyft Group

Address : 1541 Reynolds Road
Charlotte MI 48813

Company phone : 517-543-6400

Population :

Number of potentially involved : 797

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2023-2025 Spartan RV Chassis K2, K3, and K4

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Chassis subject to this recall are equipped with an Independent Front Suspension (IFS) supplied by Cummins-Meritor and steering gear supplied by RH Sheppard. Chassis excluded from this recall are not equipped with either component or system.

Production Dates : AUG 12, 2021 - OCT 17, 2023

VIN Range 1 : Begin : 4VZAU1D94NC091348 End : 4VZAU1D1XRC095341 Not sequential

Description of Defect :

Description of the Defect : The steering gear may have foreign material internal to the gear that could inhibit pressure build within the system when turning to the right resulting in a loss of power steering assist.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of power steering assist could increase the level of effort required to steer the vehicle when turning to the right thus, potentially increasing the risk of property damage or crash.

Description of the Cause : The sector shaft had the potential to impact the inspection camera ring and chipping the material from the ring and introducing into the steering gear.

Identification of Any Warning that can Occur : A loss of power steering assist could occur without warning.

Involved Components :

Component Name 1 : IFS w/Steering Gear

Component Description : Steering Gear

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Meritor, Inc.

Address : NR

NR

Country : NR

Chronology :

August 9, 2023 – Product Safety and Compliance made aware of 3 complaints involving loss of power steering assist to the right.

September 27, 2023 – Cummins/Meritor provided analysis from RH Sheppard indicating the steering gears from the complainant RV chassis contained foreign material (piece of plastic).

October 3, 2023 – Received RH Sheppard's 8-D indicating the foreign material was being introduced due to the sector shaft contacting the camera ring.

October 17, 2023 – On-site meeting at RH Sheppard (w/Cummins-Meritor) to walk through their analysis, risk assessment, and to determine scope of problem.

November 2023 – On-going discussions continued regarding the potential risk and defining the scope of the problem.

December 5, 2023 – Fourth complaint received involving loss of power steering assist to the right.

December 15, 2023 – RH Sheppard, through Cummins-Meritor, requested our test vehicle be instrumented and data be collected (e.g. fluid flow and change in level of effort to steer).

December 18, 2023 – Shyft supplied data previously gathered to RH Sheppard and Cummins-Meritor however RH Sheppard insisted on evaluating the test unit by following a UN ECE standard.

January 4, 2024 – Data was reviewed with all parties, RH Sheppard requested an on-site visit with the test coach to witness the condition.

On January 23, Shyft determined there could be a safety related defect within the steering gear on the IFS.

Description of Remedy :

Description of Remedy Program : The steering gear will be removed and replaced with a steering gear that is not subject to having foreign material present in the system. A reimbursement plan is not needed for this matter as the affected chassis are within their warranty period and claims received would have been honored as a part of the warranty without charge to the consumer.

How Remedy Component Differs from Recalled Component : The serial number on the gear would represent the date on which changes were made to the inspection process during assembly at RH Sheppard which is traceable to a serial number on the IFS.

Identify How/When Recall Condition was Corrected in Production : RH Sheppard added a protective shield around the protective camera ring on August 18, 2023.

Recall Schedule :

Description of Recall Schedule : Shyft does not have dealers for this matter and will rely on the final stage manufacturers to issue a dealer notice.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAR 29, 2024 - MAR 29, 2024

* NR - Not Reported