

Part 573 Safety Recall Report

21V-752

Manufacturer Name : Shyft Group

Submission Date : OCT 04, 2021

NHTSA Recall No. : 21V-752

Manufacturer Recall No. : 21-21



Manufacturer Information :

Manufacturer Name : Shyft Group

Address : 1541 Reynolds Road

Charlotte MI 48813

Company phone : 517-543-6400

Population :

Number of potentially involved : 91

Estimated percentage with defect : 97 %

Vehicle Information :

Vehicle 1 : 2020-2022 Spartan RV Chassis K3 and K4

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : This recall is based on purchase order, serial numbers and shipping date information provided by ZF Active Safety Systems for power steering part number 1769-KK1-001.

Production Dates : MAY 11, 2020 - SEP 15, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : A machining defect may cause pressure to build in the pump and the shaft seal to blow, which would result 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 risk of a crash.

Description of the Cause : Variation in rotor flatness in the end face of rotor due to slot grind process.

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

Involved Components :

Component Name 1 : Power Steering Pump

Component Description : Pump

Component Part Number : TS322418R10511

Supplier Identification :

Component Manufacturer

Name : ZF Active Safety & Electronics

Address : 800 Heath Street

Lafayette Indiana 47904

Country : United States

Chronology :

On 8-6-2021, Shyft was contacted by ZF to inform us of the potential for approximately 87 power steering pumps that may have been subject to a machining defect which may cause pressure to build in the pump and the shaft seal. This condition could cause power steering fluid to leak into the engine and result in a loss of power steering assist. ZF further asserted this would be an infantile failure. Upon notice, Shyft began a review of warranty data and customer complaints in an effort to identify complaints involving loss of power steering assist. Although none were identified, there were two claims involving power steering fluid leaking into the engine oil. Further, production information was pulled then compared to purchase order and receipt history. From there 90 VIN's were identified that potentially would be equipped with the suspect pumps. From the warranty and customer complaint history, one power steering pump was retrieved from the complainant and an analysis by ZF, provided on 8-31-2021, pump seal failed due to a separate cause. The second pump has not been returned for analysis. On 9-14-2021, in discussion with ZF, they could not identify what changed, and when, in their process to result in the machining defect. (e.g. a gradual change or sudden change) On 9-16-2021, a discussion with ODI occurred on the matter and on 9-20-2021, in an overabundance of caution, Shyft elected to issue a safety related recall.

Description of Remedy :

Description of Remedy Program : The power steering pump serial number will be reviewed. If the serial number is determined to be in the serial number range of the affected power steering pumps, the power steering pump will be replaced at no charge. Vehicles subject to this recall are within their warranty period therefore a reimbursement plan will not be supplied.

How Remedy Component Differs from Recalled Component : Pending information from ZF.

Identify How/When Recall Condition was Corrected in Production : Chassis affected by this recall and subject to the suspect lot of power steering pumps have already been produced. Information regarding what changed in production of the pump is pending response from ZF.

Recall Schedule :

Description of Recall Schedule : Shyft does not have dealers for the motor home chassis.
Planned Dealer Notification Date : NR - NR
Planned Owner Notification Date : OCT 27, 2021 - OCT 27, 2021

* NR - Not Reported