

# Part 573 Safety Recall Report

## 22V-785

**Manufacturer Name :** Shyft Group

**Submission Date :** NOV 14, 2022

**NHTSA Recall No. :** 22V-785

**Manufacturer Recall No. :** 22-14



### Manufacturer Information :

Manufacturer Name : Shyft Group

Address : 1541 Reynolds Road  
Charlotte MI 48813

Company phone : 517-543-6400

### Population :

Number of potentially involved : 540

Estimated percentage with defect : 100 %

### Vehicle Information :

Vehicle 1 : 2015-2019 Spartan RV Chassis MM and K2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Motor home chassis affected by this recall are equipped with T24 brake chambers on the steer axle, T30 brake chambers on the drive axle, T16 brake chambers on the steer axle and a 500 cubic inch reservoir (Wet Tank)

Production Dates : FEB 12, 2014 - DEC 11, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2021-2023 Spartan RV Chassis K2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The basis for this recall was using design codes that were not made obsolete and thus able to be used.

Production Dates : FEB 04, 2020 - AUG 30, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

### Description of Noncompliance :

Description of the Noncompliance : The combined volume of air in all service and supply reservoirs does not meet the 12X combined volume for all service brake chambers as defined in S5.1.2.1 of FMVSS 121 - Air Brake Systems

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : In increased braking events, there may be inadequate air volume for the

Description of the Safety Risk : service brakes which may lead to other unintended consequences that could increase the risk of a crash.

Description of the Cause : Pending

Identification of Any Warning that can Occur : A low air pressure tell tale may illuminate, in addition to an audible alarm, in the event air pressure falls below a certain threshold.

### Involved Components :

Component Name 1 : Air tank

Component Description : Air reservoir

Component Part Number : NR

### Supplier Identification :

#### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

### Chronology :

On, or near, December 8, 2017, Engineering reviewed certain configurations of axles with certain brake chambers and performs capacity calculations on those axles. Engineering consults with Compliance on the preliminary findings. December 12, 2017, Compliance completes review of the requirements in FMVSS 121 for air reservoir capacity and performs calculation to confirm Engineering's findings. A VIN list identifying motor home chassis that could be affected by this condition and a stop ship was placed on further shipments until the condition was remedied. Information regarding the actual capacity of the brake chambers was sought. On 12/13/17, the actual capacity of the service brake chambers was reviewed and it was determined the calculated amount of capacity was lower than the actual. On December 15, 2017, Shyft determined a non-compliance to exist in the affected units. On Wednesday October 12, 2022 sent to notice to Shyft (formerly Spartan) its petition has been denied. On October 19, 2021 engineering identified affected design codes from the previous recalled chassis were not made obsolete and began to investigate if those codes were used in other builds. On October 21 a potential list of VIN's was identified. The locations of the affected chassis were evaluated and on 11/10 reconciled the recall population needed to be expanded.

### Description of Remedy :

Description of Remedy Program : Shyft will exchange one air reservoir with one with larger air capacity. Shyft is reviewing its plan for reimbursement.

How Remedy Component Differs from Recalled Component : Vehicles affected by this condition would be equipped with a 500 cubic inch capacity air reservoir for the wet tank. A wet tank with 1000 cubic inches of air capacity would be installed in its place.

Identify How/When Recall Condition was Corrected in Production : The recall condition will be corrected in production on, or after, 10/20/2022 by using an air tank reservoir with a capacity of 1000 cubic inches for the wet tank.

### 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 : NOV 18, 2022 - NOV 18, 2022

\* NR - Not Reported