

Part 573 Safety Recall Report

21V-329

Manufacturer Name : Spartan Fire, LLC

Submission Date : MAY 11, 2021

NHTSA Recall No. : 21V-329

Manufacturer Recall No. : 21008



Manufacturer Information :

Manufacturer Name : Spartan Fire, LLC

Address : 1541 Reynolds Road
Charlotte MI 48813

Company phone : 517-588-4700

Population :

Number of potentially involved : 2,130

Estimated percentage with defect : 3 %

Vehicle Information :

Vehicle 1 : 2009-2021 Spartan Fire Gladiator and MetroStar

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The basis for this recall population is vehicles equipped with AFC and Parker pump shift control solenoid, part numbers 2729-MM5-002, 4534-MM5-001, and 4488-MM5-001 where the solenoid is mounted inside the frame rail.

Production Dates : JUN 04, 2009 - NOV 11, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : This potential defect is related to the remedy of a previous recall 18V-424. The interior parts of the pump shift solenoid may become corroded and subsequently fail. When the solenoid fails, power to the pump control module may be lost. The vehicle may not shift into pump mode.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of power to the pump control module may cause the vehicle to not shift into pump mode. This increases the risk of personal injury and equipment damage.

Description of the Cause : The solenoid was not specified to be protected from the environment and must be rated higher than IP65.

Identification of Any Warning that can Occur : The solenoid could fail without warning.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

2018 – Recall 18V-424 initiated to change from Advanced Fuel Components, Inc. (AFC) pump shift solenoid to a Parker solenoid which was used already in other locations on the vehicle.

Mid-late 2020 – Due to some initial warranty claims for the new failing Parker solenoid, engineering implements change to Wabco solenoid and TSB issued notifying the field of new Wabco pump shift solenoid part number available. This was considered a product improvement.

April 2021 – Notified of claims for Spartan ERVs commercial chassis vehicles with failure to shift to pump. After review of the recall and TSB population, realized the commercial chassis vehicles were not included in the original population of 18V-424. PSR team met to review the population, pulled recent warranty data on Parker solenoid and noticed an increase in claims in the recent months. Issue was escalated within the REV Group management.

May 4, 2021 - REV's senior leadership approved a voluntary recall for this issue.

Description of Remedy :

Description of Remedy Program : Spartan will replace suspect solenoids at no charge.

How Remedy Component Differs from Recalled Component : New solenoids will be specified to be less susceptible to corrosion than previous solenoids and rated to IP67. The new part number will be 0918-MM5-012.

Identify How/When Recall Condition was Corrected in Production : The remedy was applied in production on, and after, November 12, 2020 by way of engineering change.

Recall Schedule :

Description of Recall Schedule : Spartan to notify Dealers by week of June 14, 2021 and the owners a week later.

Planned Dealer Notification Date : JUN 14, 2021 - JUN 18, 2021

Planned Owner Notification Date : JUN 21, 2021 - JUN 25, 2021

* NR - Not Reported