

Part 573 Safety Recall Report

19V-674

Manufacturer Name : Spartan Motors USA**Submission Date :** SEP 20, 2019**NHTSA Recall No. :** 19V-674**Manufacturer Recall No. :** 19017**Manufacturer Information :**

Manufacturer Name : Spartan Motors USA

Address : 1541 Reynolds Road

Charlotte MI 48813

Company phone : 517-543-6400

Population :

Number of potentially involved : 1,746

Estimated percentage with defect : 20 %

Vehicle Information :

Vehicle 1 : 2004-2020 Spartan Emergency Respons Gladiator and Metrostar

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recalled product is equipped with an automatic tire chain system that is pneumatically controlled. Part numbers for the automatic tire chain system are 1747-DD4-001

1747-DD4-002

1747-DD4-027

1747-DD4-028

1747-DD4-033

1747-DD4-069

1748-NN2-001

1748-NN2-002

3623-NN2-007

3623-NN2-009

3623-NN2-011

3623-NN2-012

3623-NN2-013

3623-NN2-017

3623-NN2-019

3623-NN2-020

3623-NN2-022

3623-NN2-023

3623-NN2-028

3623-NN2-035

3623-NN2-039

3623-NN2-044

3623-NN2-045

3623-NN2-047

4142-NN2-004

4263-NN2-005

4263-NN2-008

4459-NN2-002

Production Dates : SEP 20, 2004 - AUG 19, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Noncompliance :

Description of the Noncompliance : Vehicles equipped with a pneumatically controlled automatic tire chain system, may fail to conform to the requirements of Federal Motor Vehicle Safety Standard No. 121, Air Brake System. More specifically, these vehicles may fail to meet section 5.1.2.3. of the standard. The service air reservoir system may not be pressure protected where the control line for the automatic tire chain system is connected.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : If control line were to become severed, the service reservoir system may suddenly lose air.

Description of the Cause : A pressure protection valve was not specified to be installed when the control line would be plumbed in the system 1 and system 2 air reservoirs.

Identification of Any Warning that can Occur : A low air audible and indicator will activate when the air pressure reaches a certain level.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On August 30, 2019, during a line audit, engineering was made aware of pressure protection valves not being installed. A stop ship was issued on August 31, 2019 to inspect units in Spartan's control. On September 4, 2019 install drawings were released instructing the line be pressure protected. On September 20, 2019, the final population of vehicles outside of Spartan's control was finalized and a determination a non-compliance may exist in the affected vehicles was made.

Description of Remedy :

Description of Remedy Program : Dealers will inspect the routing of the control line to determine if it is pressure protected or tied into the auxiliary air reservoir which is pressure protected. If the control line is not pressure protected, it will be rerouted and tied into the auxiliary air reservoir. Failed air lines would likely have been covered through warranty.

How Remedy Component Differs from Recalled Component : The remedy component will be either pressure protected at the service air reservoir 1 (S1) or service air reservoir 2 (S2) or plumbed into the auxiliary air reservoir. The recalled component would have the control line plumbed into the S1 or S2 air reservoir without pressure protection. Part numbers are listed in the descriptive section.

Identify How/When Recall Condition was Corrected in Production : Vehicles were inspected, and where the control line was not pressure protected it was rerouted to the auxiliary air reservoir.

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified per the planned schedule.

Planned Dealer Notification Date : SEP 23, 2019 - SEP 23, 2019

Planned Owner Notification Date : OCT 10, 2019 - OCT 10, 2019

* NR - Not Reported