

Part 573 Safety Recall Report

18V-647

Manufacturer Name : Spartan Motors USA

Submission Date : OCT 11, 2018

NHTSA Recall No. : 18V-647

Manufacturer Recall No. : 18027



Manufacturer Information :

Manufacturer Name : Spartan Motors USA

Address : 1541 Reynolds Road

Charlotte MI 48813

Company phone : 517-543-6400

Population :

Number of potentially involved : 4

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Spartan Emergency Respons Metro Star

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : By way of recall 18E-058 from Meritor, the serial number for the affected steer axles equipped with wheel stud p/n 09001988 was provided. This serial number list was traced to vehicle identification numbers. Meritor did not assert other axles were affected.

Production Dates : JUN 28, 2018 - JUL 26, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Meritor has indicated by way of 18E-058, wheel studs with non-conforming hardness due to missed heat treatment during processing at sub-supplier.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If enough of the improperly heat treated studs fail on the same steer axle hub, the wheel may detach, increasing the risk of a crash

Description of the Cause : Per the DIR for 18E-058, it was determined that the supplier of the wheel studs failed to heat treat 3000-3300 studs.

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

Supplier Identification :

Component Manufacturer

Name : Meritor
Address : 1235 West Maple
Troy MICHIGAN 48084
Country : United States

Chronology :

On 9/12/2018, Spartan was made aware of Meritor's recall 18E-058. A serial number list was supplied.

Between 9/12/2018 and 9/17/2018, Spartan worked to identify, and locate, affected vehicles. On 9/17/18, Spartan determined a risk to motor vehicle safety could exist in the identified vehicles.

On 9/26 Spartan learned the vehicles affected by this recall were inspected and remedied on, or near, 6/26.

Description of Remedy :

Description of Remedy Program : Spartan will work with customers to have affected studs changed, or the entire hub changed as described in 18E-058 and per directions provided by Meritor.

How Remedy Component Differs from Recalled Component : Suspect studs are identified with Lot K17. Suspect parts were used to in the assembly of the following Meritor Hub Part Numbers:
15156321014MTB, 15159541026MTB, 15159541028MTB, 17160671018, 17159641022, 17159461005, 1515756102, 15160291001MTB, 15160341001MTB, 17159881002, 15159541010MTB, 15159541011MTBt.

Identify How/When Recall Condition was Corrected in Production : Per 18E-058 Stud sub-supplier advised the following process was put in place on 6/26/2018:10 piece hardness verification added to final inspection process prior to eddy current setup; enhanced sign offs required at all three levels of verification; 100% inspection of all parts using mectron machine. Meritor is replacing suspect studs. For Spartan, one unit was identified in production and is placed on hold until the remedy is applied.

Recall Schedule :

Description of Recall Schedule : Dealer and FSM notices will be released on 9/20. An owner letter may not be needed if the incomplete chassis cabs are still at a final stage manufacturer.
Planned Dealer Notification Date : SEP 20, 2018 - SEP 20, 2018
Planned Owner Notification Date : SEP 26, 2018 - SEP 26, 2018

* NR - Not Reported