

# Part 573 Safety Recall Report

# 18V-647

**Manufacturer Name :** Spartan Motors USA**Submission Date :** SEP 19, 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 &amp; 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.

**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