

# Part 573 Safety Recall Report

# 16V-601

**Manufacturer Name :** Spartan Motors USA

**Submission Date :** AUG 12, 2016

**NHTSA Recall No. :** 16V-601

**Manufacturer Recall No. :** 16021



## Manufacturer Information :

**Manufacturer Name :** Spartan Motors USA

**Address :** 1541 Reynolds Road

Charlotte MI 48813

**Company phone :** 517-543-6400

## Population :

**Number of potentially involved :** 55

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2014-2016 Spartan Emergency Respons Legend and Star

**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES

**Body Style :** OTHER

**Power Train :** DIESEL

**Descriptive Information :** Vehicles affected by this recall are emergency response vehicles and equipped with a split shaft transmission supplied by Waterous Company.

**Production Dates :** APR 15, 2015 - APR 15, 2016

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** Waterous indicated clevis pin retaining rings that were deformed during installation can possibly permit the retaining ring to dislodge if subjected to high levels of vibration that can sometimes occur during the shifting operation.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the clevis pin falls out, it could prevent the shift unit from being able to shift the transmission into position to provide power to drive a fire pump. Without power to the fire pump, there may be an increased risk of personal injury or damage associated with the inability to begin fire suppression activities.

**Description of the Cause :** According to Waterous's Defect Information Report for 16E-059, the cause indications are that the installation pliers Aventics used to install the retaining rings was out of adjustment for a period of time such that the retaining ring was opened beyond its elastic limit resulting in deformation.

**Identification of Any Warning that can Occur :** This could happen without warning.

**Supplier Identification :****Component Manufacturer**

Name : Waterous Company  
Address : 125 Hardman Avenue South  
South St. Paul MINNESOTA 55075  
Country : United States

**Chronology :**

On August 9, 2016, Waterous Company informed Spartan of recall 16E-059. Spartan worked to determine the affected vehicles that may be equipped with the split shaft transmissions based on information supplied by Waterous. On August 10, 2016, Spartan agreed with Waterous and determined that a safety related defect may exist in the vehicles equipped with the suspect split shaft transmissions.

**Description of Remedy :**

Description of Remedy Program : The retaining clevis pin will be replaced with a shoulder bolt and locking nut at no charge.

How Remedy Component Differs from Recalled Component : Refer to defect information report for 16E-059.

Identify How/When Recall Condition was Corrected in Production : Refer to defect information report for 16E-059. Spartan had no vehicles on sight equipped with affected equipment subject to that recall.

**Recall Schedule :**

Description of Recall Schedule : NR  
Planned Dealer Notification Date : AUG 17, 2016 - AUG 17, 2016  
Planned Owner Notification Date : AUG 24, 2016 - AUG 24, 2016

\* NR - Not Reported