

# Part 573 Safety Recall Report

## 20E-072

**Manufacturer Name :** Spartan Fire, LLC

**Submission Date :** JAN 11, 2021

**NHTSA Recall No. :** 20E-072

**Manufacturer Recall No. :** 20-12



### Manufacturer Information :

**Manufacturer Name :** Spartan Fire, LLC

**Address :** 1541 Reynolds Road

Charlotte MI 48813

**Company phone :** 517-588-4700

### Population :

**Number of potentially involved :** 10

**Estimated percentage with defect :** 100 %

### Equipment Information :

**Brand / Trade 1 :** Ametek

**Model :** Gladiator and MetroStar

**Part No. :** 2101-NN1

**Size :** NR

**Function :** NR

**Descriptive Information :** The replacement service gauge has a different ignition run signal polarity than the original gauge installed in the vehicle.

**Production Dates :** AUG 08, 2012 - OCT 11, 2016

### Description of Defect :

**Description of the Defect :** The engine run signal is used to activate the APS safety restraint system. If the signal is not present, the APS system will not be active. Pacific Insite gauges are no longer available and required a replacement strategy of another supplier (Ametek). The PI gauge has a +12 VDC output for an engine run signal, where as Ametek gauges have a Ground switched output for engine run.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** The APS not engaged could increase the risk of occupant injury during a crash.

**Description of the Cause :** The Ametek starting circuit was not compatible with the APS signal used on Pacific Insite gauge panels. The design/test requirements missed the change in polarity.

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

**Involved Components :**

Component Name : Ametek

Component Description : Service Gauge

Component Part Number : 2101-NN1

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

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

9/3/2020 - Spartan received notice from field that APS system will not power up after replacing service gauge. PSR created in CART. Spartan engineering engaged and investigated issue to determine root cause. 9/11/2020 - Spartan verified polarity and parts affected. Ran potential population. On the same day Spartan issued a request to stop any new aftermarket orders of the service gauges. On 9/21/2020 - Spartan submitted it's recommendation to REV's executive team. On 9/25/2020 - the determination was made to issue a voluntary recall for this condition.

**Description of Remedy :**

Description of Remedy Program : The affected vehicles will have the S-Kit sent with instructions to include a jumper wire. Vehicles that have been remedied will be covered by Spartan Fire.

How Remedy Component Differs from Recalled Component : No change to the component. A jumper wire is added to correct the polarity difference.

Identify How/When Recall Condition was Corrected in Production : In 2018, trucks were designed to accommodate the Ametek gauges.

**Recall Schedule :**

Description of Recall Schedule : Sent the owner and dealer notifications out in November.

Planned Dealer Notification Date : NOV 23, 2020 - NOV 27, 2020

Planned Owner Notification Date : NOV 23, 2020 - NOV 27, 2020

**Purchaser Information :**

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR  
Address : NR  
NR  
Country : NR  
Company Phone : NR

\* NR - Not Reported