

Part 573 Safety Recall Report

24V-181

Manufacturer Name : Spartan Fire, LLC**Submission Date :** MAR 07, 2024**NHTSA Recall No. :** 24V-181**Manufacturer Recall No. :** 24003**Manufacturer Information :**

Manufacturer Name : Spartan Fire, LLC

Address : 1541 Reynolds Road

Charlotte MI 48813

Company phone : 517-588-4700

Population :

Number of potentially involved : 42

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 Spartan Fire Gladiator, Metro Star, FC-94, KME Panther, and Commercial

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population was determined based on product specifications associated with a specific firmware version and date range. Recalled products have a different firmware version, serial number, and date range than those not included in the recall.

This recall is based on information supplied by Weldon. Weldon provided a part number, serial numbers, and date range of product affected. Spartan pulled a population by the part number and date range of product issued to determine the affected list. The chassis cab and emergency response vehicles affected by this recall are equipped with certain V-MUX Hercules HC 1.7 nodes with version 1.00 supplied by Weldon.

Quantity 1 - MetroStar 2023 model year truck affected.

Quantity 3 - Gladiator 2023 model year trucks affected.

Quantity 19 - MetroStar 2024 model year trucks affected.

Quantity 4 - Gladiator 2024 model year trucks affected.

Quantity 8 - FC-94 2024 model year trucks affected.

Quantity 5 - KME Panther 2024 model year trucks affected.

Quantity 2 - Commercial 2024 model year trucks affected.

Production Dates : NOV 27, 2023 - FEB 10, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The node may not shut off the output pin if there is a short circuit in the vehicle wiring or other devices installed on the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of a short circuit or wiring failure in the vehicle, the node may not turn off power. If the electrical circuit(s) become overloaded, depending on how the node is wired into the vehicle, including whether it is located near a fuel source, there is an increased risk of heat related damage or fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : Hercules HC 1.7 Node

Component Description : Multiplex Node

Component Part Number : 6060-2010-00

Supplier Identification :

Component Manufacturer

Name : Weldon Division of Akron Brass

Address : 3656 Paragon Drive
Columbus Ohio 43228

Country : United States

Chronology :

Refer to NHTSA Recall 24E-006 for Weldon's chronology.

November 2023 - Weldon filed a recall report (23E-084) for a similar type of device (multiplex node) after identifying an issue with the electrical current sensing calibration. Subsequently, Weldon reviewed the performance of a product with a similar function, the Hercules HC node. December 2023 - The results of Weldon's initial testing indicated the Node fused internally and performed in a safe manner. January 2024 - Additional testing of production samples indicated that a short circuit in vehicle wiring could cause overheating of the node. On January 24, 2024, Weldon decided to conduct a recall and issue a firmware update to remedy the issue.

On February 15, 2024 - Spartan received information from Weldon regarding recall number 23E-084. A PSR team created, Engineering and purchasing reviewed potential population, and verified inventory. February 23, 2024 - Spartan determined the potential population. Stop ship issued at Spartan.

February 26, 2024 - Escalated the issue to REV Group Management.
March 5, 2024 – REV's senior leadership approved a voluntary recall for this issue.

Description of Remedy :

Description of Remedy Program : Update the installed firmware in the node using an updater application that can be downloaded from the company website. The same updater used in Akron TSB 23-001 NHTSA 23E084 is used to update the firmware in the affected devices. Service provider will be compensated so there is no cost to vehicle owner for this firmware update. Weldon will update the firmware in the node as installed in affected vehicles and in OEM inventory that are within the identified version range. Weldon will evaluate and provide reimbursement for pre-notification remedies on an individual basis. Nothing needs to be removed from the truck, this is a firmware update accomplished by plugging into the truck to upload the latest firmware.

How Remedy Component Differs from Recalled Component : Firmware number on the device determines the range of devices that shall be recalled. Version 1.00 to be recalled.

Identify How/When Recall Condition was Corrected in Production : Weldon will notify affected vehicle owners of the recall upon NHTSA approval of the owner notification letter and upon receipt of customer contact information from each OEM. Weldon does not have dealers. The pace of sending the owner letters follows the availability of customer contact information from vehicle OEMs. The remedy process is the same as 23E084. There was no existing HC 1.7 node version 1.00 inventory at Spartan as of February 15, 2024. Any affected product in Spartan vehicles will be reworked.

Recall Schedule :

Description of Recall Schedule : Spartan to begin owner notifications by week of April 8, 2024.

Planned Dealer Notification Date : APR 01, 2024 - APR 05, 2024

Planned Owner Notification Date : APR 08, 2024 - APR 12, 2024

* NR - Not Reported