

# Part 573 Safety Recall Report

## 24E-006

**Manufacturer Name :** Weldon Division of Akron Brass

**Submission Date :** JAN 30, 2024

**NHTSA Recall No. :** 24E-006

**Manufacturer Recall No. :** TSB 24-002



### Manufacturer Information :

**Manufacturer Name :** Weldon Division of Akron Brass

**Address :** 3656 Paragon Drive  
COLUMBUS OH 43228

**Company phone :** 999

### Population :

**Number of potentially involved :** 769

**Estimated percentage with defect :** 100 %

### Equipment Information :

**Brand / Trade 1 :** Weldon

**Model :** Hercules HC 1.7 Node

**Part No. :** 6060-2010-00

**Size :** N/A

**Function :** Multiplex Node

**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.

**Production Dates :** OCT 30, 2023 - DEC 15, 2023

### 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 circuits become overloaded, depending on how the node is wired into the vehicle, including whether the wiring 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 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

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.

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. 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 : Firmware updated to 1.01 January 19, 2024.

### Recall Schedule :

Description of Recall Schedule : 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. Pace of sending the owner letters follows the availability of customer contact information from vehicle OEMs. The remedy process is the same as 23E084.

Planned Dealer Notification Date : FEB 09, 2024 - FEB 23, 2024

Planned Owner Notification Date : FEB 16, 2024 - MAR 22, 2024

### 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