

# Part 573 Safety Recall Report

## 24V-028

**Manufacturer Name :** Marion Body Works Inc.**Submission Date :** JAN 19, 2024**NHTSA Recall No. :** 24V-028**Manufacturer Recall No. :** 23E-084**Manufacturer Information :**

Manufacturer Name : Marion Body Works Inc.

Address : 211 West Ramsdell St.

Marion WI 54950

Company phone : 715-754-5261

**Population :**

Number of potentially involved : 25

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2020-2022 Marion Body Works Pumper, Rescue, Aerial, RPM

Vehicle Type : BUSES, MEDIUM &amp; 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. Recalled products have different firmware version than those not included in the recall. Firmware version is recorded on a decal on each unit.

Production Dates : MAR 10, 2020 - NOV 30, 2023

VIN Range 1 : Begin : 4S7AU2E96LC087304 End : 4S9AX2E94NC560957

☒ Not sequential**Description of Defect :**

**Description of the Defect :** The electrical current sensing calibration was not produced to specification so that firmware would not shut off the output pin under a short circuit caused by external load or wiring failure.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** In the event of a short circuit or wiring failure, if the electrical circuit(s) become overloaded, depending on how the input-output node(s) are wired into the vehicle including whether it is located near a flammable fuel source, there is an increased risk of heat related damage or fire.

**Description of the Cause :** NR

**Identification of Any Warning** None  
that can Occur :

**Involved Components :**

Component Name 1 : 8 x 16 Input-Output Node

Component Description : Input Output Node

Component Part Number : 6030-2000-00

Supplier Identification :

Component Manufacturer

Name : Weldon Division of Akron Brass

Address : 3656 Paragon Drive  
Columbus Ohio 43228

Country : United States

Chronology :

In early October 2023, Weldon was notified that external wiring in a vehicle using the node had melted. The part was returned to Weldon for analysis in mid-October where it was found that when an external short circuit occurred, the electrical output did not shut down as specified. Weldon conducted testing and analysis of the version of the node used in the vehicle as well as prior versions of the node and it was found that for the version of the node installed in the vehicle, the electrical current sensing calibration was outside the specified limits. Weldon found that the calibration was previously updated in production, but was not considered to pose a broader concern at the time. On October 24, 2023, Weldon decided to conduct a safety recall to address.

October 24, 2023: Weldon Submits NHTSA Safety Recall 23E-084

January 16, 2024: Marion Body Works is notified of the component recall and reached out to Weldon to obtain the SN's affected to cross reference and identify the affected population.

January 19, 2024: Marion Body Works submits NHTSA Safety Recall for 23E-084.

Description of Remedy :

Description of Remedy Program : Weldon will update the firmware in the 8x16 node as installed in affected vehicles and in OEM inventory that are within identified version range. Weldon will evaluate and provide reimbursement for pre-notification remedies on an individual basis.

How Remedy Component Differs from Recalled Component : Firmware version number on the device determines the range of devices that shall be recalled. Version 1.00 - 1.02 to be recalled.

Identify How/When Recall Condition was Corrected in Production : June 14, 2023 as part of normal quality work, the current sensing calibration firmware was updated in production.

Recall Schedule :

Description of Recall Schedule :	Marion Body Works will begin notification to our dealers and customers upon NHTSA approval of the notification letter.
Planned Dealer Notification Date :	JAN 26, 2024 - JAN 26, 2024
Planned Owner Notification Date :	JAN 26, 2024 - JAN 26, 2024

\* NR - Not Reported