

# Part 573 Safety Recall Report

# 23E-084

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

**Submission Date :** NOV 26, 2023

**NHTSA Recall No. :** 23E-084

**Manufacturer Recall No. :** TSB 23-001



## Manufacturer Information :

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

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

**Company phone :** 999

## Population :

**Number of potentially involved :** 6,792

**Estimated percentage with defect :** 100 %

## Equipment Information :

**Brand / Trade 1 :** Weldon

**Model :** 8 x 16 Input-Output Node

**Part No. :** 6030-2000-00

**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 than those not included in the recall.

**Production Dates :** MAR 10, 2020 - JUN 14, 2023

## Description of Defect :

**Description of the Defect :** The electrical current sensing calibration was not produced to specification so that the 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) is 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 that can Occur :** None

## Involved Components :

Component Name : 8 x 16 Input-Output Node

Component Description : Input Output Node

Component Part Number : 6030-2000-00

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## 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 the issue.

## Description of Remedy :

Description of Remedy Program : Weldon will update the firmware in the 8 x 16 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.

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 : Weldon will notify affected purchasers of the recall upon NHTSA's approval of the owner notification letter. Weldon does not have dealers.  
Planned Dealer Notification Date : DEC 01, 2023 - DEC 08, 2023  
Planned Owner Notification Date : NR - NR

**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