

Part 573 Safety Recall Report

22E-037

Manufacturer Name : Weldon Division of Akron Brass**Submission Date :** MAY 12, 2022**NHTSA Recall No. :** 22E-037**Manufacturer Recall No. :** TSB 22-001**Manufacturer Information :**

Manufacturer Name : Weldon Division of Akron Brass

Address : 3656 Paragon Drive
COLUMBUS OH 43228

Company phone : 999

Population :

Number of potentially involved : 860

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Weldon

Model : V-mux Hercules HC Node 1.5

Part No. : 6060-1000-00

Size : N/A

Function : NR

Descriptive Information : All of the parts under this part number are part of the recall as they share the same build issue. Similar parts with a different part number were built to specification and are not part of the recall population. There are approximately 72 units delivered under a private label to a single OEM customer and approximately 788 units delivered to other affected OEMs.

Production Dates : JAN 21, 2022 - APR 29, 2022

Description of Defect :

Description of the Defect : Weldon, a division of Akron Brass Company, produces Node, an electrical multiplex module, under both a private label to a single customer as well as to multiple OEMs for installation in emergency vehicles. In the affected products, the Node contains a termination resistor installed on the node circuit board instead of the termination resistor being installed only within the electrical harness. If the vehicle network design has not accounted for this additional resistor, it may reduce the bus resistance below the defined tolerance levels and may lead to a loss of data on the CAN network. Installations with multiple nodes are more likely to experience the condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the bus resistance is reduced, the CAN network connection could fail which may interrupt the transfer of data on this connection. If the CAN network

connection is interrupted or fails and depending on how the vehicle's electrical systems are designed, it may impact the operation of various electrical loads controlled by the Node, including vehicle lighting, which may increase the risk of a crash.

Description of the Cause : Due to a bill of material error, a resistor installed on the printed circuit board was inadvertently included

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name : V-mux Hercules HC Node 1.5

Component Description : Multiplex Input / Output Node for Weldon V-mux compatible systems

Component Part Number : 6060-1000-00,

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On April 29, 2022, Weldon was contacted by an OEM that described an issue with the CAN connection when installing the Node. Weldon was able to isolate the issue to the inclusion of the additional termination resistor on the circuit board. Weldon stopped the shipment of additional units. On May 2, 2022, Weldon reviewed the technical details affecting the Node to confirm the issue, considered whether the same issue impacts any similar products and decided to conduct a safety recall. On May 3, 2022, Weldon determined a recent shipment of a variation of the Node sold under a private label and to a single customer was also impacted. Weldon confirmed with the customer these units had never been installed in a vehicle and remained in the customer's inventory. Weldon secured all of the affected products from the customer's inventory and on May 4, 2022 reworked those units to remove the additional resistor.

Description of Remedy :

Description of Remedy Program : Weldon will notify affected customers and ask them to return any affected product that remains in their inventory to Weldon to be reworked. Affected OEMs will notify vehicle purchasers and Weldon will provide replacement units and reimburse for labor costs. The affected product sold under the private label have already been remedied.

How Remedy Component Differs from Recalled Component : The remedy component will have the additional termination resistor removed from the circuit board.

Identify How/When Recall Condition was Corrected in Production : Existing inventory at Weldon was isolated and shipments placed on hold on 4/29/2022, the same day the potential issue was first reported to Weldon. Any affected product in Weldon's inventory will be reworked and a new part number issued.

Recall Schedule :

Description of Recall Schedule : Weldon will notify its impacted OEM customers as soon as approved by NHTSA. OEMs will notify vehicle purchasers of the recall and will conduct all quarterly reporting. Weldon does not have dealers. Weldon will still file quarterly reports on the progress of the recall as we have the serial numbers and shipment data to do so.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAY 11, 2022 - MAY 25, 2022

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