

Part 573 Safety Recall Report

24V-406

Manufacturer Name : North Central Emergency Vehicles**Submission Date :** JUN 05, 2024**NHTSA Recall No. :** 24V-406**Manufacturer Recall No. :** 23E-084**Manufacturer Information :**

Manufacturer Name : North Central Emergency Vehicles

Address : 18448 County Road 9

Lester Prairie MN 55354

Company phone : 3203952529

Population :

Number of potentially involved : 41

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2023 All All

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : VAN

Power Train : GAS

Descriptive Information : Weldon Division of Akron Brass issued a recall of their part No. 6030-2000-00 8 x 16 Input output node. It was determined that the firmware in the node needs to be updated or the node replaced with the updated firmware. Recalled products have a different firmware version than those not in the recall.

We have used 1 of these nodes in remounts between March 10 2020 and January 27, 2024.

The effected vehicle is a 2021 Ford E450.

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

VIN Range 1 : Begin : 1FDUF5HT5KEF58858 End : 1FDXE4FN5RDD21737 Not sequential**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 : Defective Firmware

Identification of Any Warning None
that can Occur :

Involved Components :

Component Name 1 : V-Mux 8 x 16 I/O Node

Component Description : 8 Input/16 output multiplex 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 :

Weldon sent Safety Recall Report 23E-084 dated November 26,2023

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 and individual basis.

How Remedy Component Differs from Recalled Component : Firmware version number on the device determined the range of devices that shall be recalled by Weldon. Version 1.00-1.02 to be recalled. A report on the ambulance remounts we produced from the date of the Weldon recall start date until January 27, 2024 was run and those remounts were searched on a report for the recalled part number which showed one truck affected out of a potential of 41 trucks.

Identify How/When Recall Condition was Corrected in Production : June 14 2023 as part of the normal quality work, the current sensing calibration firmware was updated in production at Weldon. Our one customer will be sent a recall letter within 2 days of this official recall and a new updated firmware program will be installed at their convenience at no charge.

Recall Schedule :

Description of Recall Schedule : North Central Emergency Vehicles will notify the customer of the recall upon NHTSA's approval of the owner notification letter.

Planned Dealer Notification Date : JUN 10, 2024 - JUN 11, 2024

Planned Owner Notification Date : JUN 10, 2024 - JUN 10, 2024

* NR - Not Reported