

# Part 573 Safety Recall Report

## 24V-009

**Manufacturer Name :** Alexis Fire Equipment Company

**Submission Date :** JAN 09, 2024

**NHTSA Recall No. :** 24V-009

**Manufacturer Recall No. :** NR



### Manufacturer Information :

**Manufacturer Name :** Alexis Fire Equipment Company

**Address :** 109 E Broadway Ave  
PO Box 549 Alexis IL 61412

**Company phone :** 309-482-6121

### Population :

**Number of potentially involved :** 56

**Estimated percentage with defect :** 100 %

### Vehicle Information :

**Vehicle 1 :** 2022-2023 Alexis Fire Equipment Fire Apparatus

**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES

**Body Style :** OTHER

**Power Train :** DIESEL

**Descriptive Information :** Weldon provided a list of 8 x 16 Input-Output Nodes purchases with node S/N along with Sales Order and PO. Alexis is conducting a search of its apparatus database to determine apparatus with the installed defective node.

**Production Dates :** JAN 01, 2022 - DEC 22, 2023

**VIN Range 1 : Begin :** NR

**End :** NR

☐ Not sequential

### Description of Defect :

**Description of the Defect :** Weldon is recalling an 8x16 node found on some Alexis Fire Trucks built in 2020-2023. The node was not built to the proper specification and may become overloaded resulting in an unplanned increased risk of heat related damage or fire.

**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 :** Per Weldon: 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.

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

### Involved Components :

Component Name 1 : 8 x 16 I/O Nodes

Component Description : V-MUX 8 x 16 I/O Nodes

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 :

12/11/2023 Alexis Fire Equipment was contacted by Weldon through email notifying of a safety recall and a list of defective nodes.

12/12/2023: Alexis Fire Equipment started investigating how to locate impacted apparatus that may contain the defective nodes.

12/13/2023: Quarantined any outstanding inventory along with trucks in production

12/15/2023-01/9/2023 - Data analysis to evaluate which trucks in service have affected/recalled Weldon nodes.

### Description of Remedy :

Description of Remedy Program : Alexis Fire Equipment and its Dealers will work with customers in assisting them with the Weldon implemented repair procedure being conducted through the Weldon Service Network. This repair will be conducted at no charge to the customer. Devices at the Alexis facility or installed on apparatus will be updated per Weldon provided instructions using the Weldon Service app.

How Remedy Component Differs from Recalled Component : Per Weldon: 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 : After receiving notice from Weldon about the defective node on 12/11/2024 a quarantine of nodes remaining in the parts department was implemented on 12/12/2024. Additionally on 12/12/2024 trucks in production we evaluated to see if the defective node had been installed.

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified beginning 1/22/2024  
Planned Dealer Notification Date : JAN 22, 2024 - JAN 31, 2024  
Planned Owner Notification Date : JAN 22, 2024 - JAN 31, 2024

\* NR - Not Reported