



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V558

Manufacturer Name: Midwest Fire Equipment & Repair Company

Submission Date: Sep 16, 2025

NHTSA Recall No.: 25V558

Manufacturer Recall No.:

Manufacturer Information

Population

Manufacturer Name: Midwest Fire Equipment & Repair Company

Address: 901 Commerce Road
PO Box 524
Luverne MN, 56156

Total number of potentially involved: 36

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2021-2025 MIDWEST FIRE ALL-POLY SERIES

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Emergency Vehicle

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Apr 01, 2021 - Jul 15, 2025

Number of potentially involved: 36

Descriptive Information:

We were able to go through our trucks that have a hose reel on the rear of the truck that have been built since we implemented this new design in 2021.

Defect / Noncompliance Description

Description of the defect or noncompliance:

In one reported case, the hose reel assembly on the rear of a Pumper Tanker fire truck was found to have detached due to failure of the aluminum mounting plate. The plate, fabricated from 3/16-inch 5052-H32 aluminum sheet, fractured at bend locations supporting the reel. The failure likely originated at the bend radius, where stress concentration and vibration during service contributed to crack initiation and propagation.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

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If a mounting plate fracture were to occur, the hose reel could shift or partially detach from its intended position. While only one instance has been identified to date, the potential consequences include:

- The hose reel creating a roadway obstruction if separation occurs.
- Risk of injury to personnel or bystanders if contact occurs.
- Reduced firefighting capability if the hose reel is not securely retained and accessible.

At this time, there have been no reports of crashes, fires, injuries, or fatalities associated with this condition.

Description of the cause:

Identification of any warning that can occur:

Component Manufacturer

Tier of Supplier:

Supplier Type: OEM

Name: Midwest Fire

Address: 901 Commerce Road
Luverne MN, 56156

Country: United States

Involved Components

Component Name 1: Bottom, Rear Hose Reel, Rev A

Component Description: Mounting plate fabricated from 3/16-inch thick aluminum sheet (alloy 5052-H32). The plate is formed with radius bends to support and secure the rear hose reel assembly on the fire truck.

Component Part Number: 002-5955

Chronology

- 8/25/2025 – Initial hose reel detachment observed in the field on one fire truck. Photographs and service reports were collected.
- 8/25/2025 – Warranty/service report submitted documenting the fractured mounting plate (3/16" 5052-H32 aluminum).

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- 8/28/25 – Engineering review initiated to assess the mounting plate design, bend radius, and potential fatigue concerns.
- 8/28/2025 – Team inspection confirmed fracture at bend radius was the failure mode, likely caused by stress concentration and vibration during service.
- 8/28/2025 – Broader fleet review conducted; 36 trucks identified for containment and inspection.
- 8/28/2025 – Management meeting held to determine recall action; consensus reached that defect relates to motor vehicle safety due to potential for hose reel detachment.
- 8/28/2025 – Defect report prepared and submitted through Part 573 recall portal.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Repair

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

The remedy for this condition involves reinforcing the hose reel mounting plate to prevent fractures at the bend radius.

- Two aluminum angled brackets, each measuring 2 inches by 2 inches by ¼ inch by 20.5 inches long, will be installed along the bend areas of the existing 3/16-inch 5052-H32 aluminum mounting plate. Each bracket will be supplied pre-drilled with three holes per side (six holes total per bracket).
- One additional aluminum angled bracket, measuring 2 inches by 2 inches by ¼ inch by 35 inches long, will be installed across the front side of the mounting plate, positioned toward the rear axle of the hose reel. This bracket will also be supplied pre-drilled with three holes per side (six holes total) for proper alignment and fastening.

During installation, corresponding holes will be drilled into the existing mounting plate, and all brackets will be secured using 5/16-inch thread-forming alloy steel bolts. This reinforcement redistributes loads, reduces stress concentrations, and restores structural integrity.

For vehicles not yet delivered, a redesigned mounting plate will be implemented prior to delivery and used in all future production. For vehicles already in service, owners will be notified and provided with a remedy care package. The care package will include the pre-drilled brackets, all required fasteners, and step-by-step instructions to allow the fire department to complete the reinforcement on-site. Departments may also choose to take their vehicle to an approved service center, where the reinforcement will be performed at no cost.

How remedy component differs from recalled component:

Identify how/when recall condition was corrected in production:

When we identified there was an issue, we immediately corrected the issue on our production floor.

Part 573 Safety Recall Report**25V558****Reimbursement Plan****Description of reimbursement program:****Period of reimbursement:****Costs to be reimbursed:****Address for reimbursement claims:**901 Commerce Road
PO Box 524
Luverne 56156**Recall Schedule****Description of recall schedule:**

Midwest Fire will have all notifications mailed to our customers by September 30, 2025.

Planned Dealer Notification Date: No Dealers**Planned Interim Owner Notification Date:** No Owners**Planned Remedy Owner Notification Date:** Sep 26, 2025 Phased Recall**Date when VIN will be searchable:**