



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

## Part 573 Safety Recall Report

## 25V468

**Manufacturer Name:** American Manufacturing Operations, INC.

**Submission Date:** Jul 24, 2025

**NHTSA Recall No.:** 25V468

**Manufacturer Recall No.:**

### Manufacturer Information

### Population

**Manufacturer Name:** American Manufacturing  
Operations, INC.

**Address:** 1931 E Manhattan Blvd  
Toledo OH, 43608

**Total number of potentially involved:** 2,294

**Estimated percentage with defect:** 50%

### Vehicle Information

**Vehicle 1:** 2025-2025 AMO Utility

**Product Category:** Trailers

**Product Type:** Other

**Fuel / Propulsion:**

**Production Dates:** Nov 04, 2024 - May 13, 2025

**Number of potentially involved:** 2,294

#### Descriptive Information:

Based on a review of production and supply records, the first trailer potentially built with suspect shackle nuts was identified. The final trailer produced with suspect shackle nuts was identified by manufacturing records when Loctite adhesive was added to the production process on May 13, 2025

### Defect / Noncompliance Description

#### Description of the defect or noncompliance:

The locking feature on the shackle nuts securing the axle brackets to the chassis of the trailer may not lock properly allowing the shackle nuts to loosen. Over time, the shackle nuts may back off the bolts resulting in loosening and potentially detachment of the brackets holding the axle. If the brackets loosen or detach, the axle may separate from the chassis of the trailer.

**FMVSS1:**

**FMVSS2:**

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

If the trailer axle becomes unsecured from the trailer chassis, the trailer may sway out of its lane of

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travel or eventually losing the axle resulting in a loss of control of the trailer increasing the risk of a crash.

## Description of the cause:

The shackle nut locking feature does not secure the axle bolt as intended.

## Identification of any warning that can occur:

Drivers may notice the trailer swaying or noise from the loose axle.

## Component Manufacturer

**Tier of Supplier:**

**Supplier Type:**

**Name:**

**Address:**

**Country:**

**Tier of Supplier:** Tier 1

**Supplier Type:** Distributor

**Name:** Mid-States Bolt & Screw Company

**Address:** 4126 Somers Drive  
Burton MI, 48501

**Country:** United States

## Involved Components

**Component Name 1:** Shackle nut

**Component Description:** 9/16th Grade 8 shackle nut fastener

**Component Part Number:** 56FNTL0P

## Chronology

On May 13, 2025, an operator installing the axle to the trailer chassis noticed that an installed shackle nut did not lock and was able to be unsecured by hand. The operator reported the condition. AMO called the supplier of the shackle nut, Mid-States Bolt & Screw Company, to report the condition and ask for technical assistance to investigate it.

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On May 14, 2025, a Loctite adhesive was added to the operation to secure the shackle nut to the axle bolt. The Loctite proved effective in securing the nut to the bolt. VINS were recorded of when the Loctite process was incorporated in production. A review of manufacturing and supply records was conducted to identify when the suspect supply of shackle nuts was used in production. Based on these reviews, AMO was able to determine the potentially affected population.

On May 20, 2025, AMO contacted customers asking them to inspect trailers still in their possession to identify whether any nuts had loosened. No customers identified any loosen nuts.

On May 21, 2025, AMO contacted NHTSA about the proper process for reporting the potential loose nut condition. NHTSA instructed AMO that the supplier of the nut would be responsible for any required recall actions.

On May 26, 2025, AMO consulted legal counsel about their responsibilities under the Safety Act.

On May 27, 2025, a Mid-States representative visited the AMO facility and conducted inspections and testing.

On June 2, 2025, a Mid-States representative contacted AMO with the results of the inspections and testing. Mid-States indicated they could replicate the loose nut condition and the inability of certain nuts to remain securely locked.

AMO continued to monitor field reports and customer reports for potential loose nuts or other indications of unsecured axles. No such reports have been identified.

On July 10, 2025, AMO decided, in the abundance of cautious, to file a part 573 report to NHTSA and plans to conduct a safety recall to address the potential that nuts may become unsecured over time in service.

**Related NHTSA Recall Number:**

**Description of Remedy**

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**Remedy Type:** Repair

**Consumer Advisories:** ☐ Do Not Drive ☐ Park Outside

**Description of remedy program:**

AMO will contact owners of the trailer to return their trailers to their dealerships for recall service. The recall service involves removing the trailer shackle nuts and installing new shackle nuts free of charge.

**How remedy component differs from recalled component:**

The remedied trailers will have new shackle nuts installed to secure the axle brackets to the bolts.

**Identify how/when recall condition was corrected in production:**

The condition was remedied in production on May 14, 2025 with the addition of Loctite adhesive to the shackle nut installation process.

## Reimbursement Plan

**Description of reimbursement program:**

if an owner previously had a shackle nut come loose and then reinstalled, AMO will cover the cost of the previous repair up to \$60.

**Period of reimbursement:**

One year

**Costs to be reimbursed:**

Replacement of loose shackle nut up to \$60.

**Address for reimbursement claims:**

1931 E. Manhattan Blvd 43608  
Toledo OH, 43608

## Recall Schedule

**Description of recall schedule:**

Owner letters will be mailed within 60 days based on owner registration data.

**Planned Dealer Notification Date:** Sep 05, 2025 - Sep 08, 2025 ☐ No Dealers

**Planned Interim Owner Notification Date:** ☐ No Owners

**Planned Remedy Owner Notification Date:** Sep 05, 2025 - Sep 08, 2025 ☐ Phased Recall

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Date when VIN will be searchable: