



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

## Part 573 Safety Recall Report

## 25V622

**Manufacturer Name:** Mack Trucks, Inc.

**Submission Date:** Sep 22, 2025

**NHTSA Recall No.:** 25V622

**Manufacturer Recall No.:** SC0484

### Manufacturer Information

### Population

**Manufacturer Name:** Mack Trucks, Inc.

**Address:** 2100 Mack Boulevard  
PO Box M  
Allentown PA, 18105-5000

**Total number of potentially involved:** 156

**Estimated percentage with defect:** 8.3%

### Vehicle Information

**Vehicle 1:** 2025-2026 MACK PIONEER (PR)

**Product Category:** Buses, Medium & Heavy Vehicles

**Product Type:** Tractor

**Fuel / Propulsion:** Compression Ignition Fuel

**Production Dates:** Oct 22, 2024 - Sep 05, 2025

**Number of potentially involved:** 156

**Descriptive Information:**

Certain Mack (PR) Pioneers were built with trailer body input modules that could contain a manufacturing defect. The population was determined by the trailer body input output module serial number assigned at the Mack assembly plant  
24482702 CONTROL UNIT, TRAILER BODY I/O MODULE HIGHWAY  
24482711 CONTROL UNIT, TRAILER BODY I/O MODULE FULL

### Defect / Noncompliance Description

**Description of the defect or noncompliance:**

Certain Mack (PR) Pioneers may be equipped with a trailer body input output module, that controls lighting functions for the trailer being towed. These vehicles may contain a manufacturing defect. This defect may cause the module to have limited functionality, rendering the trailer lights inoperable and increasing the risk of a crash.

**FMVSS1:**

**FMVSS2:**

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

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If a trailer being towed experiences a loss of trailer lighting functions, vehicles around the trailer may not observe the trailer reducing speed, stopping, or changing lanes, which could lead to an increased risk of a crash.

## Description of the cause:

Certain trailer body input output modules were manufactured with a bent printed circuit board assembly (PCBA) at the supplier's production facility.

## Identification of any warning that can occur:

If the module is defective, the vehicle operator may receive a pop-up message indicating communication is lost with the trailer body input output module.

## Component Manufacturer

**Tier of Supplier:** Tier 1

**Supplier Type:** OEM

**Name:** Actia Electronics Inc.

**Address:** 15385 Pine  
Romulus MI, 48174

**Country:** United States

## Involved Components

**Component Name 1:** CONTROL UNIT, TRAILER BODY I/O MODULE

**Component Description:** HIGHWAY

**Component Part Number:** 24482702

**Component Name 2:** CONTROL UNIT, TRAILER BODY I/O MODULE

**Component Description:** FULL

**Component Part Number:** 24482711

## Chronology

January 6, 2025: A concern related to the trailer body input output module failures at our assembly plant, is brought to the Product Safety organization and an investigation is opened.

January 13, 2025: The Product Safety Evaluation Committee is informed of the investigation, and additional information is requested.

March 24, 2025: The Product Safety Evaluation Committee decides to keep the investigation open and

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monitor, after supplier testing is unable to replicate failures on parts with a possible manufacturing defect.

May 19, 2025: Field reports related to the trailer body input output module issues are brought to the Product Safety organization.

June 16, 2025: The Product Safety Evaluation Committee is informed of the new reports and requests further information from the field as well as from the supplier

September 8, 2025: The Product Safety Evaluation Committee meets and reviews investigation results and recommends that the issue be escalated to the Product Safety Committee as a potential product safety defect.

September 11, 2025: The Product Safety Committee is presented with findings from the investigation and the recommendations from the Product Safety Evaluation Committee, and makes the determination that a product safety defect exists, that a recall will be conducted, and that vehicles do not have to be parked.

September 18, 2025: Product safety defect 573/DIR filed with NHTSA.

There have been no field reports, no warranty claims, accidents, or injuries reported with this issue.

**Related NHTSA Recall Number:**

## Description of Remedy

### Remedy Type:

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

### Description of remedy program:

Vehicles will be recalled. Vehicles will have the trailer body input output module replaced. 24482702, CONTROL UNIT, TRAILER BODY I/O MODULE HIGHWAY  
24482711, CONTROL UNIT, TRAILER BODY I/O MODULE FULL

### How remedy component differs from recalled component:

The remedy component does not have a manufacturing defect that could lead to loss of trailer light function. 24482711, CONTROL UNIT, TRAILER BODY I/O MODULE FULL

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

Parts in stock at the assembly plant had serial number inspections performed, and modules from the defective serial number list were removed. Stop shipment for affected vehicles was initiated on 9/17/25

## Reimbursement Plan

Manufacturer used general reimbursement plan on file.

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## Recall Schedule

**Description of recall schedule:**

Dealer notification will begin on or before September 25, 2025.

Owner notification will begin on or before November 17, 2025.

**Planned Dealer Notification Date:** Sep 25, 2025

No Dealers

**Planned Interim Owner Notification Date:**

No Owners

**Planned Remedy Owner Notification Date:** Nov 17, 2025

Phased Recall

**Date when VIN will be searchable:** Sep 25, 2025