



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

## Part 573 Safety Recall Report

# 25V621

**Manufacturer Name:** Volvo Trucks North America

**Submission Date:** Sep 23, 2025

**NHTSA Recall No.:** 25V621

**Manufacturer Recall No.:** RVXX2507

### Manufacturer Information

### Population

**Manufacturer Name:** Volvo Trucks North America

**Address:** 7900 National Service Road  
Greensboro NC, 27409

**Total number of potentially involved:** 2,307

**Estimated percentage with defect:** 8%

### Vehicle Information

**Vehicle 1:** 2025-2026 VOLVO NEW VN

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

**Product Type:**

**Fuel / Propulsion:** Compression Ignition Fuel

**Production Dates:** Oct 14, 2024 - Sep 05, 2025

**Number of potentially involved:** 2,307

**Descriptive Information:**

Certain Volvo New VNs 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 Volvo 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 Volvo New VNs 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 could cause the module to have limited functionality, rendering the trailer lights inoperable and increasing the risk of a crash.

**FMVSS1:**

**FMVSS2:**

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

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 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:** 244827011

## 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.

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

No accidents or injuries have been reported related to this issue. There have been 28 field reports related to this defect between October 2024 and September 2025. There have been 204 warranty claims related to this defect between October 2024 and September 2025. The warranty claims and field reports covered 176 vehicles.

**Related NHTSA Recall Number:**

## Description of Remedy

**Remedy Type:** Replace

**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 from inventory. Stop shipment for affected vehicles was initiated on 9/17/25

## Reimbursement Plan

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Manufacturer used general reimbursement plan on file.

**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