



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 22, 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.

There have been 28 field reports, 204 warranty claims linked to 176 vehicles, and no accidents or injuries reported related to this issue.

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