



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V804

Manufacturer Name: Volvo Trucks North America

Submission Date: Nov 25, 2025

NHTSA Recall No.: 25V804

Manufacturer Recall No.: RVXX2511

Manufacturer Information

Population

Manufacturer Name: Volvo Trucks North America

Address: 7900 National Service Road
Greensboro NC, 27409

Total number of potentially involved: 4,887

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2026-2026 VOLVO VNR (4)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jun 18, 2025 - Oct 21, 2025

Number of potentially involved: 14

Descriptive Information:

All vehicles in the population were built with the automatic high-beam feature before the production clean point was established. Vehicles not included in the population were built without the automatic high beam feature.

Vehicle 2: 2024-2026 VOLVO VNL (4)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Oct 02, 2023 - Nov 13, 2025

Number of potentially involved: 4,873

Descriptive Information:

All vehicles in the population were built with the automatic high-beam feature before the production clean point was established. Vehicles not included in the population were built without the automatic high beam feature.

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Defect / Noncompliance Description

Description of the defect or noncompliance:

Certain Volvo VNL (4) and VNR (4) vehicles may be equipped with automatic high beams (AHB) that do not meet the requirements of FMVSS 108 S14.9.3.11 Semiautomatic headlamp beam switching device tests. Due to errors in identifying certain oncoming vehicles, the headlamp may not switch to low beam lights as expected.

FMVSS1: 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS2:

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

High beams that do not automatically switch to low beams may create reduced visibility for other road users, increasing the risk of a crash.

Description of the cause:

The camera system's image-detection algorithm may incorrectly identify certain vehicles during use.

Identification of any warning that can occur:

In the event of a fault, the driver may notice that the high beams remain illuminated as vehicles approach, when they might expect them to switch to the low beams.

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Robert Bosch GMBH

Address: Robert-Bosch-Strasse 1
Inmenstandt Foreign States

Country: Germany

Involved Components

Component Name 1: Control Unit

Component Description: Front looking camera

Component Part Number: 23998406

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Chronology

October 7, 2025: Adaptive driving beam testing performed on a truck built with the automatic high beam feature.

October 14, 2025: Engineering notified that the automatic high beam feature was unable to identify certain motorcycles during some test scenarios.

October 23, 2025: Safety Office opens a potential non-compliance investigation.

November 3, 2025: Product Safety Evaluation Committee reviews investigation information and recommends escalation to the Product Safety Committee.

November 13, 2025: Product Safety Committee determines that a product non-compliance exists and decides to initiate a recall.

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

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Software OTA

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

As an interim measure to remove the safety risk, vehicles will be recalled, and the automatic high beam feature will be disabled. (Parameter P10SG and P10YM will be turned off). VGNA will continue working with its supplier with an objective of developing and testing a permanent remedy that properly detects all approaching vehicles. Upon completion of validation testing, VGNA will renotify affected owners to have the permanent remedy installed.

How remedy component differs from recalled component:

Once the automatic high beam feature is disabled on an interim basis, the automatic high beam icon will no longer appear on the instrument cluster, and headlamp switching will revert to a manual process, similar to that of vehicles not equipped with the AHB option.

Identify how/when recall condition was corrected in production:

Vehicles at our factories were put under a stop shipment effective November 14, 2025, and will not be released until corrected (automatic high beam feature removed). Future orders have had this feature removed.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

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Recall Schedule

Description of recall schedule:

Dealer notifications will begin on or before November 27, 2025.
Owner notifications will begin on or before January 17, 2026.

Planned Dealer Notification Date: Nov 27, 2025 - Nov 27, 2025☐ No Dealers**Planned Interim Owner Notification Date:**☐ No Owners**Planned Remedy Owner Notification Date:** Jan 17, 2026 - Jan 17, 2026☐ Phased Recall**Date when VIN will be searchable:** Nov 19, 2025