



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V257

Manufacturer Name: Volvo Trucks North America

Submission Date: Dec 04, 2025

NHTSA Recall No.: 25V257

Manufacturer Recall No.: RVXX2504

Manufacturer Information

Population

Manufacturer Name: Volvo Trucks North America

Address: 7900 National Service Road
Greensboro NC, 27409

Total number of potentially involved: 102

Estimated percentage with defect: 11%

Vehicle Information

Vehicle 1: 2022-2025 Volvo VN

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Apr 21, 2021 - Dec 12, 2024

Number of potentially involved:

Descriptive Information:

Certain legacy VN and new VN have been built or serviced with specific turbo compound units by serial number, which may have idler gear bracket fasteners improperly torqued due to a production error, or may have missing torque records. VOLVO/VN/MY2022,2023,2025

Defect / Noncompliance Description

Description of the defect or noncompliance:

Certain Volvo Heavy Duty vehicles have been built with turbo compound units having idler gear bracket fasteners with insufficient torque or lack of torque records. In the event of a fastener loosening in these units it could result in engine damage which could potentially disable a vehicle.

FMVSS1:

FMVSS2:

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

In the event of an engine failure which results in a loss of motive power, this could increase the risk of a crash causing injury and/or damage to property.

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Description of the cause:

Insufficient manufacturing torque process control(s) and record keeping.

Identification of any warning that can occur:

An engine indicator lamp may illuminate, customers may notice their vehicle running rough prior to losing motive power.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Volvo Trucks

Address: 7825 National Service Rd.
Greensboro NC, 27409-9667

Country: United States

Involved Components

Component Name 1: Turbocompound Unit

Component Description: HDE13

Component Part Number: 24245940

Chronology

November 15, 2024 An engine is returned for failure analysis and the turbo compound idler gear bracket fastener's are identified as the source of the engine failure and an engineering investigation is opened.

November 22, 2024 Root cause of engine failure is identified and a manufacturing investigation is opened with corrective actions taking place November 26, 2024.

January 30, 2025 Service program(s) are started to inspect and if necessary replace suspect turbo compound units.

February 26, 2025 Product Safety Office is asked to review with NHTSA, service programs related to turbo compound units, at that time a product safety investigation is opened.

April 7, 2025 Product Safety Evaluation Committee meets and reviews the findings from the investigation and recommends that this be escalated to Product Safety Committee as a potential product safety defect.

April 10, 2025 Product Safety Committee meets and determines that a product safety defect exists and a recall will be conducted.

April 17, 2025 Product safety defect 573/DIR filed with NHTSA.

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November 10, 2025 Field quality organization investigates a warranty claim for an engine replacement after the recall remedy was performed on a vehicle.

November 14, 2025 Product Safety Office is informed that serial numbers are missing from recall documentation and an investigation is opened.

December 2, 2025 Field service organization identifies 49 vehicles had an incorrect recall remedy performed and need to be reinspected. A new TSB document is released to dealers with an additional 62 serial numbers added.

December 4, 2025 DIR chronology updated. A new campaign is initiated for the trucks that require reinspection, and documentation is distributed to dealers.

There have been 65 field reports (Volvo), no accidents or injuries reported with this issue.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Inspect, Repair

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

Vehicles will be recalled and vehicles will be inspected for turbo compound units with suspect serial numbers and replaced if they are part of that suspect population. Reimbursement for the recall will be covered by Manufacturer's Reimbursement Plan on file with NHTSA.

How remedy component differs from recalled component:

The replacement turbo compound units will have had idler gear bracket fasteners properly torqued. 24245940, Turbocompound Unit, HDE13.

Identify how/when recall condition was corrected in production:

Torque control tooling was corrected to properly apply and count correct number of torque(s) before processing part in assembly, November 26, 2024 corrective action in place in engine assembly production.

Reimbursement Plan

Description of reimbursement program:

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Part 573 Safety Recall Report**25V257****Recall Schedule****Description of recall schedule:**

Dealer notification will begin on or before April 24, 2025 and owner notification will begin on or before June 11, 2025

Planned Dealer Notification Date: Apr 24, 2025 - Apr 24, 2025

No Dealers

Planned Interim Owner Notification Date:

No Owners

Planned Remedy Owner Notification Date: Jun 11, 2025 - Jun 11, 2025

Phased Recall

Date when VIN will be searchable: