

Part 573 Safety Recall Report

25V-257

Manufacturer Name : Volvo Trucks North America

Submission Date : APR 17, 2025

NHTSA Recall No. : 25V-257

Manufacturer Recall No. : RVXX2504



Manufacturer Information :

Manufacturer Name : Volvo Trucks North America

Address : 7900 National Service Road
Greensboro NC 27409

Company phone : 800 528 6586

Population :

Number of potentially involved : 102

Estimated percentage with defect : 11 %

Vehicle Information :

Vehicle 1 : 2025-2025 Volvo New VN

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

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/NEW VN/MY 2025

Production Dates : MAY 28, 2024 - NOV 27, 2024

VIN Range 1 : Begin : 4V4BC9EJ8SN664434 End : 4V4BC9EH4SN694284 ☒ Not sequential

Vehicle 2 : 2022-2025 Volvo VN

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

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

Production Dates : APR 21, 2021 - DEC 12, 2024

VIN Range 1 : Begin : 4V4NC9EH7NN602084 End : 4V4NC9EH9SN693564 ☒ Not sequential

Description of Defect :

Description of the Defect : 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.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : 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.

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.

Involved Components :

Component Name 1 : Turbocompound Unit

Component Description : HDE13

Component Part Number : 24245940

Supplier Identification :

Component Manufacturer

Name : Volvo Trucks

Address : 7825 National Service Rd.
Greensboro North Carolina 27409-9667

Country : United States

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.

There have been 63 field reports (Volvo), no accidents or injuries reported with this issue.

Description of Remedy :

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.

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
Planned Owner Notification Date :	JUN 11, 2025 - JUN 11, 2025

* NR - Not Reported