

Part 573 Safety Recall Report

25V-055

Manufacturer Name : Volvo Trucks North America

Submission Date : FEB 05, 2025

NHTSA Recall No. : 25V-055

Manufacturer Recall No. : RVXX2501



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 : 13

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2025 Volvo VNRE (Electric)

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : HATCHBACK

Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population was determined based on specific vehicles which are equipped with suspect battery packs identified by Borg Warner Akasol. Volvo VNRE (Electric) MY2023-2025

Production Dates : JUN 01, 2022 - JUL 03, 2024

VIN Range 1 : Begin : 4V4WB9KN7PN616636 **End :** 4V4WB9KNXSN641863 ☒ Not sequential

Description of Defect :

Description of the Defect : Certain VNRE (electric) vehicles may have been built with BorgWarner Akasol Gen 3 batteries which BorgWarner has identified as suspect based upon manufacturing process parameters relative to torque and rework in their factory.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Suspect batteries could have incorrectly torqued hardware that may become loose and fall inside the battery pack. This loose hardware could create short circuits inside the battery cells. A short circuit inside the battery cells may lead to a thermal event and a fire.

Description of the Cause : Inadequate manufacturing process controls at BorgWarner Akasol.

Identification of Any Warning that can Occur : The vehicle battery thermal management system will provide warning to the driver of a battery overheating situation by the instrument cluster, driver information display.

Involved Components :

Component Name 1 : Battery Pack

Component Description : BorgWarner GEN 3

Component Part Number : 24343731

Supplier Identification :**Component Manufacturer**

Name : Borg Warner

Address : 3800 Automation Ave
Auburn Hills, 48326

Country : NR

Chronology :

January 6, 2025 Volvo Bus Europe reports a thermal runaway on an BorgWarner Akasol Generation 3 battery. The incident occurred at a body builder in Egypt. The battery was not installed on a vehicle. An investigation is opened.

January 20, 2025 Global Product Safety Coordination Forum reviews information and at that time based upon BorgWarner analysis battery packs of concern are solely from their Darmstadt, Germany facility and not shipped to North America.

January 23, 2025 Volvo Bus Europe Product Safety Evaluation Committee reviews findings and recommends that it be escalated to their Product Safety Committee.

January 28, 2025 BorgWarner Akasol advises Volvo that the manufacturing process parameters which were identified in Darmstadt as problematic were also seen at their Hazel Park, USA facility. With the confirmation that suspect batteries were also shipped to Volvo Trucks North America and Nova Bus a safety investigation is opened.

January 30 2025 Volvo Bus Europe determines that a product safety defect exists. Volvo Trucks & Renault Trucks Europe, Volvo Truck North America and Nova Bus Product Safety Evaluation Committee recommend this be escalated to Product Safety Committee.

February 3, 2025 Volvo Trucks & Renault Trucks Europe, Nova Bus and Volvo Trucks North America Product Safety Committee(s) meet and determine that a product safety defect exists on vehicles with batteries as identified by Borg Warner.

There have been no warranty claims, field reports, accidents or injuries reported with this issue. The incident battery which initiated the investigation involved one battery which had not been installed on a vehicle, there was no spread of damage.

Description of Remedy :

Description of Remedy Program :	Vehicles will be recalled and suspect batteries will be replaced. Reimbursement for the recall will be covered by Manufacturer's Reimbursement Plan on file with NHTSA.
How Remedy Component Differs from Recalled Component :	The batteries will be replaced with batteries produced by BorgWarner where this manufacturing issue does not exist. Part Number 24343731 BorgWarner Gen3 Battery Pack
Identify How/When Recall Condition was Corrected in Production :	Any vehicles under our control which are impacted will be put on hold until suspect batteries are replaced.

Recall Schedule :

Description of Recall Schedule :	Dealer notification will begin on February 5, 2025 and owner notification will begin on April 6, 2025
Planned Dealer Notification Date :	FEB 05, 2025 - FEB 05, 2025
Planned Owner Notification Date :	APR 06, 2025 - APR 06, 2025

* NR - Not Reported