

Part 573 Safety Recall Report

25V-185

Manufacturer Name : Mack Trucks, Inc.

Submission Date : MAR 25, 2025

NHTSA Recall No. : 25V-185

Manufacturer Recall No. : SC0475



Manufacturer Information :

Manufacturer Name : Mack Trucks, Inc.

Address : 2100 Mack Boulevard

PO Box M Allentown PA 18105-5000

Company phone : 610-709-2131

Population :

Number of potentially involved : 7

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2024 Mack LRBE (Electric)

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : Specific vehicles which are equipped with suspect battery packs identified by Borg Warner Akasol as suspect.
Mack/LRBE (Electric) 2022-2024

Production Dates : MAY 13, 2021 - JUN 13, 2023

VIN Range 1 : Begin : 1M2LRCGCONM001004 End : 1M2LRDGC4RM001065 ☒ Not sequential

Description of Defect :

Description of the Defect : Certain LRBE (Electric) may have been built with BorgWarner Akasol Gen 3 batteries which BorgWarner has identified as suspect based upon manufacturing process parameters.

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 : In-adequate 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 : BorgWarner

Address : 3800 Automation Ave.
Auburn Hills, Michigan 48326

Country : United States

Chronology :

January 6, 2025 Volvo Bus Europe reports a thermal runaway on a 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 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 determines that a product safety defect exists. Volvo 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 Truck Europe, Nova Bus and Volvo Truck North America Product Safety Committee(s) meet and determine that a product safety defect exists on vehicles with batteries as identified by BorgWarner.

March 20, 2025 Volvo receives a list of new suspect batteries identified by BorgWarner which now impact Mack (USA)

March 25, 2025 Mack files a DIR with NHTSA.

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 recall 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. 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 Notices will begin on or before March 30, 2025 and owner letters will be mailed on or before May 19, 2025
Planned Dealer Notification Date :	MAR 30, 2025 - MAR 30, 2025
Planned Owner Notification Date :	MAY 19, 2025 - MAY 19, 2025

* NR - Not Reported