



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

# Part 573 Safety Recall Report

## 25V185

**Manufacturer Name:** Mack Trucks, Inc.

**Submission Date:** Jul 22, 2025

**NHTSA Recall No.:** 25V185

**Manufacturer Recall No.:** SC0475

### Manufacturer Information

### Population

**Manufacturer Name:** Mack Trucks, Inc.

**Address:** 2100 Mack Boulevard  
PO Box M  
Allentown PA, 18105-5000

**Total number of potentially involved:** 17

**Estimated percentage with defect:** 100%

### Vehicle Information

**Vehicle 1:** 2025-2025 MACK LRBE (ELECTRIC)

**Product Category:** Buses, Medium & Heavy Vehicles

**Product Type:**

**Fuel / Propulsion:** Electric Battery Power

**Production Dates:** Mar 05, 2024 - Aug 20, 2024

**Number of potentially involved:** 3

**Descriptive Information:**

Specific vehicles which are equipped with suspect battery packs identified by Borg Warner Akasol as suspect. Mack LRBE (Electric) MY2025

**Vehicle 2:** 2024-2024 MACK LRBE (ELECTRIC)

**Product Category:** Buses, Medium & Heavy Vehicles

**Product Type:** Truck

**Fuel / Propulsion:** Electric Battery Power

**Production Dates:** Mar 10, 2023 - Jan 25, 2024

**Number of potentially involved:** 5

**Descriptive Information:**

Specific vehicles which are equipped with suspect battery packs identified by Borg Warner Akasol as suspect. Mack LRBE (Electric) MY2024

**Vehicle 3:** 2023-2023 MACK LRBE (ELECTRIC)

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**Product Category:** Buses, Medium & Heavy Vehicles

**Product Type:** Truck

**Fuel / Propulsion:** Electric Battery Power

**Production Dates:** Nov 08, 2023 - Nov 10, 2024

**Number of potentially involved:** 7

**Descriptive Information:**

Specific vehicles which are equipped with suspect battery packs identified by Borg Warner Akasol as suspect. Mack LRBE (Electric) MY2023

**Vehicle 4:** 2022-2022 MACK LRBE (ELECTRIC)

**Product Category:** Buses, Medium & Heavy Vehicles

**Product Type:** Truck

**Fuel / Propulsion:** Electric Battery Power

**Production Dates:** May 13, 2021 - Nov 25, 2021

**Number of potentially involved:** 2

**Descriptive Information:**

Specific vehicles which are equipped with suspect battery packs identified by Borg Warner Akasol as suspect. Mack LRBE (Electric) MY2022.

### Defect / Noncompliance Description

**Description of the defect or noncompliance:**

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

**FMVSS1:**

**FMVSS2:**

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

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:**

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The vehicle battery thermal management system will provide warning to the driver of a battery overheating situation by the instrument cluster, driver information display.

## Component Manufacturer

**Tier of Supplier:****Supplier Type:****Name:** BorgWarner**Address:** 3800 Automation Ave.  
Auburn Hills, MI, 48326**Country:** United States

## Involved Components

**Component Name 1:** Battery Pack**Component Description:** BorgWarner GEN 3**Component Part Number:** 24343731

## 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.

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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.

March 27, 2025 Volvo receives a new list of batteries.

April 3, 2025 DIR amended. 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.

July 15, 2025: Mack receives a list of new suspect batteries identified by BorgWarner which impact additional vehicles.

July 22, 2025 Mack amends DIR to communicate the changes and impact.

**Related NHTSA Recall Number:** NHTSA Recall Nos 25V055, 25V184, 25E018, and 25V203

## Description of Remedy

**Remedy Type:** Replace

**Consumer Advisories:**  Do Not Drive  Park Outside

**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. 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.

## Reimbursement Plan

Manufacturer used general reimbursement plan on file.

## Recall Schedule

**Description of recall schedule:**

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Dealer Notices will begin on or before March 30, 2025 and owner letters will be mailed on or before May 19, 2025.

Dealer notices will begin on or before July 25, 2025 and owners letters will be mailed on or before August 25, 2025 for the additional vehicles added on July 22, 2025.

**Planned Dealer Notification Date:**

No Dealers

**Planned Interim Owner Notification Date:**

No Owners

**Planned Remedy Owner Notification Date:**

Phased Recall

**Date when VIN will be searchable:** Jul 25, 2025