



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V184

Manufacturer Name: Nova Bus (US) Inc.

Submission Date: Jul 22, 2025

NHTSA Recall No.: 25V184

Manufacturer Recall No.: CR5687

Manufacturer Information

Population

Manufacturer Name: Nova Bus (US) Inc.

Address: 260 Banker Road
PLATTSBURGH NY, 12901

Total number of potentially involved: 24

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2022-2023 Nova Bus LFS

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion:

Production Dates: Mar 02, 2022 - May 03, 2023

Number of potentially involved: 24

Descriptive Information:

The recall population is defined by vehicles built from 01/03/2023 through 05/03/2023 assembled with BorgWarner Gen3 HV Batteries Nova Bus PN 24234513 and 23962990.

Defect / Noncompliance Description

Description of the defect or noncompliance:

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.

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:

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Inadequate manufacturing process controls at BorgWarner Akasol.

Identification of any warning that can occur:

There is no warning prior to occurrence.

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: ESS SYST BATTERY

Component Description: Akasol Gen3 Battery

Component Part Number: 23962990

Component Name 2: ESS SYST BATTERY

Component Description: Akasol Gen3 Battery

Component Part Number: 24234513

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 not installed yet on a vehicle. An investigation is opened.

January 20, 2025: Global Product Safety Coordination Forum reviews information. Based upon BorgWarner initial analysis, battery packs of concern were believed to be produced 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 Volvo Bus 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 Nova Bus and Volvo Trucks North America, a

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safety investigation is opened. Volvo Truck North America recommends that this be escalated to VTNA PSC.

January 30, 2025: Volvo Bus Product Safety Committee determines that a product safety defect exists.

January 30, 2025: Nova Bus Product Safety Evaluation Committee reviews findings and recommends that it be escalated to Nova Bus Product Safety Committee.

February 3, 2025: Nova Bus, Volvo Truck Europe and North America Product Safety Committee(s) meets and determines that a product safety defect exists.

February 5, 2025: Nova Bus submits a safety defect report to Transport Canada and advise that a voluntary recall will be performed.

February 5, 2025: Nova Bus submits a foreign recall report to NHTSA (25F-009).

March 20, 2025: Volvo receives a list of new suspect batteries identified by Borg Warner which impacts Mack (Canada) Volvo (Canada) Mack (USA) Nova Bus (USA) as required.

March 25, 2025: Nova Bus files 573 with NHTSA that a voluntary recall will be released to address the safety-related defect.

March 27, 2025: Volvo receives a list of new suspect batteries identified by BorgWarner which impacts Nova Bus as required.

April 3, 2025: Nova Bus amends DIR to communicate the changes and impact.

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

July 22, 2025: Nova Bus amends DIR to communicate the changes and impact.

There have been no accidents or injuries related to this defect. There were no warranty claims related to this defect.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Remedy program will be to replace the suspect batteries. All costs associated with this corrective measure will be covered by Nova Bus. Pre-notification remedies will be addressed using the Nova Bus general 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

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does not exist.
Part Number 24234513 and 23962990 BorgWarner Gen3 Battery Pack.

Identify how/when recall condition was corrected in production:

A Delivery Stop was launched in February 04, 2025. The vehicles delivered will have certified good battery packs.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Note: Nova Bus does not have a dealer network and the dates entered for the planned dealer notification begin/end date are only to avoid NHTSA Recall Portal error while submitting the recall report.

Owner notification will begin on or before June 5, 2025

Planned Dealer Notification Date:

☒ No Dealers

Planned Interim Owner Notification Date: May 24, 2025 - May 24, 2025

☐ No Owners

Planned Remedy Owner Notification Date: Jun 05, 2025 - Jun 05, 2025

☐ Phased Recall

Date when VIN will be searchable: Jun 05, 2025