

Part 573 Safety Recall Report

23V-291

Manufacturer Name : Nova Bus (US) Inc.

Submission Date : APR 24, 2023

NHTSA Recall No. : 23V-291

Manufacturer Recall No. : CR5406



Manufacturer Information :

Population :

Manufacturer Name : Nova Bus (US) Inc.

Number of potentially involved : 7

Address : 260 Banker Road
PLATTSBURGH NY 12901

Estimated percentage with defect : 13 %

Company phone : 450-472-6410

Vehicle Information :

Vehicle 1 : 2022-2023 Nova Bus LFS

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : All battery electric vehicles equipped with Akasol Gen3 high voltage battery packs manufactured by Akasol US.

Production Dates : MAR 15, 2022 - FEB 24, 2023

VIN Range 1 : Begin : NR End : NR

Not sequential

Description of Defect :

Description of the Defect : Coolant connections in the high voltage battery pack may not be properly assembled and under certain conditions may result in a coolant leak and coolant accumulation inside the battery pack.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Under certain conditions, coolant in high voltage battery pack may cause an electric short and may lead to a thermal runaway of the battery pack which may increase the risk of a vehicle fire. Occurrence may happen with vehicle is in operation, charging or parked.

Nova Bus has not received any consumer complaint, field report, warranty claim, property damage claim, and neither notice or claim of injury or death associated with this defect. Therefore, we consider this as a proactive measure to protect the public from the potential safety risk associated with this defect.

Description of the Cause : Battery pack supplier manufacturing defect(s) in the assembly of the battery

packs due to inadequate process controls and detection related to those defects.

Identification of Any Warning that can Occur : When the vehicle is in operation, a low coolant and/or thermal runaway detection tell-tale warning to the driver may illuminate.

Involved Components :

Component Name 1 : Battery

Component Description : High voltage battery pack

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Akasol Inc.

Address : 1400 E. 10 Mile Road
Suite 15 Hazel Park Michigan 48030

Country : United States

Chronology :

2023-04-05: During Trucks NA product reviews of Akasol's battery packs at the Volvo Trucks and Mack Trucks manufacturing plants and Akasol US plant, discrepancies related to battery packs assembly were detected and this information is brought to the Trucks NA Product Safety Working Group and a safety investigation is opened.

2023-04-10: Nova Bus issues a preventive delivery stop for its plants.

2023-04-12: Trucks NA Product Safety Working Group meets and reviews findings from our plants and Akasol US plant battery pack assembly operations and makes recommendation that this be raised to the Trucks NA Product Safety Committee.

2023-04-12 Nova Bus Product Safety Committee is informed of the situation. No determination is made.

2023-04-13 Nova Bus Product Safety Working Group evaluates this Potential Safety-Related Issue and raise it to the Nova Bus Product Safety Committee.

2023-04-14: Trucks NA Product Safety Committee evaluates this Potential Safety-Related Issue and determines a Safety-Related Defect exists.

2023-04-17: Nova Bus Product Safety Committee evaluates this Potential Safety-Related Issue and determines a Safety-Related Defect exists.

2023-04-24: Nova Bus submits a vehicle recall report to NHTSA.

Nova Bus has not received any consumer complaint, field report, warranty claim, property damage claim, and neither notice or claim of injury or death associated with this defect.

Description of Remedy :

Description of Remedy Program : Nova Bus will release a service document to inspect the coolant connections inside the battery packs. Akasol will perform the inspection. If any defect is detected the battery pack will be removed and replaced with certified battery pack. All costs associated with this corrective measure will be covered by Nova Bus. All affected vehicles are still under warranty. Pre-notification remedies will be addressed using the Nova Bus general reimbursement plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : Akasol Gen 3 battery packs which have undergone additional inspection by Akasol at the Nova Bus plants or at the Akasol's plant in US are certified battery packs.

Identify How/When Recall Condition was Corrected in Production : There is a delivery stop since 2023-04-10 pending battery packs certification from Akasol inspection.

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.

Planned Dealer Notification Date : JUN 16, 2023 - JUN 16, 2023

Planned Owner Notification Date : JUN 16, 2023 - JUN 16, 2023

* NR - Not Reported