



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V476

Manufacturer Name: Nova Bus (US) Inc.

Submission Date: Jul 28, 2025

NHTSA Recall No.: 25V476

Manufacturer Recall No.: CR5746

Manufacturer Information

Population

Manufacturer Name: Nova Bus (US) Inc.

Address: 260 Banker Road
PLATTSBURGH NY, 12901

Total number of potentially involved: 339

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2020-2023 NOVA BUS LFS

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Transit Bus

Fuel / Propulsion:

Production Dates: Feb 11, 2020 - Aug 28, 2023

Number of potentially involved: 339

Descriptive Information:

The recall population is defined by vehicles built from 02/11/2020 through 08/28/2023 assembled with electrical motor steering system N99462 supplied by Allient without check valve.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The subject vehicles have been manufactured with an electric power steering system. Under certain conditions, while the vehicle is stationary (in D, P, or R mode) and with front wheels against a curb and a steering maneuver being performed, increasing the load against the motor, an overcurrent may occur causing the electric steering motor to shut down and allow the hydraulic pressure to return from the pump to the steering wheel.

FMVSS1:

FMVSS2:

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

This situation can generate a kickback to the steering wheel. A steering wheel kickback may increase

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the risk of an injury and the risk of a crash.

Description of the cause:

The integration of the solution did not cover all extreme conditions found during operation.

Identification of any warning that can occur:

There is no warning prior to occurrence.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Allied Motion

Address: Ekbacksvägen 26, 168 69 Bromma
Stockholm Foreign States

Country: Sweden

Involved Components

Component Name 1: MOTOR EHS-150 G2 24V

Component Description: Power steering electric motor

Component Part Number: N99462

Chronology

April 29, 2025: Nova Bus was informed about two potential injuries caused by the issue.

April 30, 2025: The issue was raised to the safety forum as a potential risk for evaluation.

May 07, 2025: Nova Bus received a letter of concern from the customer mentioning the issue.

May 07, 2025: The supplier started a preliminary analysis.

May 15, 2025: Nova Bus opens a formal potential safety related issue investigation.

May 21, 2025: Nova Bus elaborate a test plan to evaluate all conditions of issue occurrence.

May 27, 2025: Nova Bus complete the test report.

July 10, 2025: Product Safety Evaluation Committee evaluates and raises to Product Safety Committee.

July 15, 2025: Product Safety Committee determination of product defect.

July 22, 2025: Nova Bus files 573 with NHTSA that a voluntary recall will be released to address the safety-related defect.

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There have been 2 accidents that lead to 2 injuries related to this defect. There have been 2 warranty claims related to this defect.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Remedy program will be to install a check valve at the pump inlet. 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 check valve will prevent the pressure return to the steering system.

Identify how/when recall condition was corrected in production:

A Delivery Stop was launched in July 17, 2025. The vehicles delivered after this date will have the correct electrical motor steering system.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Owner notification will begin on or before September 20, 2025

Planned Dealer Notification Date: ☒ No Dealers

Planned Interim Owner Notification Date: Sep 20, 2025 - Sep 20, 2025 ☐ No Owners

Planned Remedy Owner Notification Date: Sep 20, 2025 - Sep 20, 2025 ☐ Phased Recall

Date when VIN will be searchable: Sep 20, 2025