

Part 573 Safety Recall Report

24V-203

Manufacturer Name : Nova Bus (US) Inc.**Submission Date :** MAR 17, 2024**NHTSA Recall No. :** 24V-203**Manufacturer Recall No. :** CR5570**Manufacturer Information :**

Manufacturer Name : Nova Bus (US) Inc.

Address : 260 Banker Road
PLATTSBURGH NY 12901

Company phone : 450-472-6410

Population :

Number of potentially involved : 688

Estimated percentage with defect : 22 %

Vehicle Information :

Vehicle 1 : 2021-2022 Nova LFS Artic

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is defined by vehicles built at Nova Bus' Plattsburg plant using the assembly instructions C113A for the installation of the EMP Alternator prior to January 08, 2024. Nova LFS Artic MY 2021, 2022 33 buses.

Production Dates : JUN 15, 2021 - OCT 26, 2022

VIN Range 1 : Begin : 4RKYS92J3M9777922 End : 4RKYS92J0N9778530 Not sequential

Vehicle 2 : 2021-2023 Nova LFS

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is defined by vehicles built at Nova Bus' Plattsburg plant using the assembly instructions C113A for the installation of the EMP Alternator prior to January 08, 2024. Nova LFS MY 2021-2023 655 buses.

Production Dates : JUN 14, 2021 - JAN 06, 2024

VIN Range 1 : Begin : 4RKYL82J2M9777921 End : 4RKYL82J5P9778985 Not sequential**Description of Defect :**

Description of the Defect : The nut for the power cable stud on the alternator may not have been torqued properly on vehicles in the affected population.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event that the power cable is not torqued properly, arcing may occur.

Description of the Safety Risk : Arcing due to a loose cable connection on an unfused power cable may increase the risk of a fire.

Description of the Cause : The assembly instructions did not clearly identify the required applied torque.

Identification of Any Warning that can Occur : There is no warning prior to occurrence.

Involved Components :

Component Name 1 : CABLE ASSY

Component Description : C1401 4/0 AWG BK-RD

Component Part Number : N101828-05

Supplier Identification :

Component Manufacturer

Name : Nova Bus

Address : 1000 boulevard Industriel
Saint Eustache Foreign States J7R 5A5

Country : Canada

Chronology :

December 28, 2023: Nova Bus was notified that a maintenance technician found evidence of arcing on the power cable to the alternator on a single bus.

January 04, 2024: A preliminary inspection of additional buses was performed.

January 08, 2024: Nova Bus opened an investigation to determine the potential scope and risk level.

January 08, 2024: An internal campaign issued to ensure the correct torque was applied to buses under manufacturing control.

January 10, 2024: Product Safety Evaluation Committee evaluates the preliminary information.

January 18, 2024: Product Safety Evaluation Committee raises the investigation to PSRI status and additional field information is gathered.

March 07, 2024: Product Safety Evaluation Committee evaluates the investigation findings and raises to the Product Safety Committee.

March 12, 2024: Product Safety Committee makes the determination of a product safety defect.

March 17, 2024: Nova Bus files DIR with NHTSA that a voluntary recall will be released to address the safety-related defect.

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

to this issue. The original vehicle is the only vehicle that showed signs of arcing, however 38 vehicles were found where the alternator power cable was identified as loose during the process of the investigation.

Description of Remedy :

Description of Remedy Program : Remedy program will be to inspect the power cable and torque to the required specification. 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 : Remedied component will have the proper torque applied. N101828-05: CABLE ASSY C1401 4/0 AWG BK-RD.

Identify How/When Recall Condition was Corrected in Production : An Internal Campaign was launched to ensure all vehicles had the correct torque applied in production January 08, 2024.

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 May 16, 2024

Planned Dealer Notification Date : MAR 20, 2024 - MAR 20, 2024

Planned Owner Notification Date : MAY 16, 2024 - MAY 16, 2024

* NR - Not Reported