

Part 573 Safety Recall Report

23V-607

Manufacturer Name : Nova Bus (US) Inc.

Submission Date : AUG 31, 2023

NHTSA Recall No. : 23V-607

Manufacturer Recall No. : CR5445



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 : 1,189

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2017-2023 Nova Bus LFS

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Certain diesel and CNG powered vehicles equipped with a radiator fan vertically mounted 250 ampers fuse holder configuration.

Production Dates : FEB 09, 2018 - MAY 03, 2023

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 2 : 2017-2022 Nova Bus LFS Artic

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Certain diesel and CNG powered vehicles equipped with a radiator fan vertically mounted 250 ampers fuse holder configuration.

Production Dates : AUG 22, 2017 - JUL 08, 2022

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : A 250 amperes fuse holder for the radiator cooling fans is mounted in the engine bay area at therear of the vehicle. A short circuit (unintended current draw) can develop between a continuously powered 24 volt power cable and a grounded mounting fastener that secures the fuse holder.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The defect condition can result in overheating of the fuse holder with the

Description of the Safety Risk : potential for a short of the power cable to ground and increase the risk of a fire. The fire can occur while the bus is in operation or while it is parked.

Description of the Cause : The root cause had not been confirmed however an engineering change modified the fuse holder's location and orientation from horizontal to vertical. Also the available field data strongly suggests the cause is related to the accumulation of conductive road debris between the power cable and grounded mounting fastener. The accumulation is significantly more likely to occur under certain operating conditions in specific geographical areas.

Identification of Any Warning that can Occur : During pre-trip inspection and scheduled preventive maintenance, a thermal event in development may be detected by looking at the fuse holder plastic cap for heat damages.

Involved Components :

Component Name 1 : Fuse holder

Component Description : Fuse holder

Component Part Number : N84769

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

See document attached for the chronology.

Description of Remedy :

Description of Remedy Program :	Nova Bus will provide a service document to perform the remedy. The details of the Service remedy are not defined at the moment. Nova Bus will provide an interim remedy owner notificaion until such time that the final remedy is available. All costs associated with this corrective measure will be covered by Nova Bus. Pre-notification remedies will be addressed using the general reimbursement plan on file with NHTSA.
How Remedy Component Differs from Recalled Component :	The Service remedy is not yet confirmed. Different options are currently under evaluation for serviceability and robustness.
Identify How/When Recall Condition was Corrected in Production :	All vehicles produced at both Nova Bus assembly plants utilize a revised power cable with a reshaped terminal end designed to increase the clearance between the terminal and mounting fastener. The fastener also has a smaller head, further improving the clearance. Additionally a non-conductive spacer behind the fuse holder improves the isolation between the fuse holder and vehicle ground.

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 dates are only to avoid NHTSA Recall Portal error when submitting the recall report.
Planned Dealer Notification Date :	OCT 13, 2023 - OCT 13, 2023
Planned Owner Notification Date :	OCT 13, 2023 - OCT 13, 2023

* NR - Not Reported