

Part 573 Safety Recall Report

24V-559

Manufacturer Name : Nova Bus (US) Inc.**Submission Date :** JUL 25, 2024**NHTSA Recall No. :** 24V-559**Manufacturer Recall No. :** CR5620**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 : 166

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2021 Nova Bus LFS

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is defined by vehicles built from 07/06/2020 through 06/03/2021 manufactured with a ZF drive axle equipped with Knorr-Bremse brake chambers K038830N00.

There are 146 Nova LFS vehicles MY 2019 through 2021 impacted.

Production Dates : JUL 06, 2020 - JUN 03, 2021

VIN Range 1 : Begin : 4RKYL82K3L9777627 End : 4RKYL82J0M9778016 Not sequential

Vehicle 2 : 2019-2019 Nova Bus LFS Artic

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is defined by vehicles built from 09/03/2020 through 03/05/2021 assembled with Knorr-Bremse brake chambers K038830N00. There are 20 Nova LFS Artic vehicles MY 2019 impacted.

Production Dates : SEP 03, 2020 - MAR 05, 2021

VIN Range 1 : Begin : 4RKYS92J9L9777678 End : 4RKYS92J3M9777922 Not sequential**Description of Defect :**

Description of the Defect : The subject vehicles may have been manufactured with defective brake chamber on the rear axle. The emergency/brake piston seal may be leaking.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A brake chamber leak could lead to brakes being applied unwantedly. An unwanted application of the brakes may cause the brake components to overheat, produce smoke and could lead to a wheel end fire. An unwanted and possibly rapid brake application could also lead to the bus stopping suddenly without activating the brake lights which may increase the risk of a crash and injury to standing passengers.

Description of the Cause : Manufacturing issue from the supplier

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

Involved Components :

Component Name 1 : Brake Chamber

Component Description : Knorr-Bresme 20/22-57 Brake chamber

Component Part Number : K038830N00

Supplier Identification :

Component Manufacturer

Name : ZF North America

Address : 15811 Centennial Dr

Township of Northville Michigan 48168

Country : United States

Chronology :

May 05, 2021: Nova Bus was informed by customers of potential dragging brakes on vehicles.

May 12, 2021: Nova Bus opened an internal investigation.

May 12, 2021: Product Safety Evaluation Committee evaluates the information and decides to close the issue as it was not considered a Potential Safety Related Issue at the time.

October 10, 2021: Investigation determined root cause.

October 25, 2021: Nova Bus release a Technical Service Bulletin to address the issue with the impacted customers.

March 20, 2024: Based on new information and discussions with NHTSA, Nova Bus performed additional testing to further investigate customer safety effect and detectability of issue.

June 14, 2024: Nova Bus reopens a formal potential safety related issue investigation based on test results.

July 11, 2024: Product Safety Evaluation Committee evaluates and raises to Product Safety Committee.

July 19, 2024: Product Safety Committee determination of product defect.

July 25, 2024: Nova Bus files 573 with NHTSA that a voluntary recall will be released to address the safety-related defect.

There have been no accidents, injuries and no fire events reported related to this defect. There have been 50 warranty claims related to this defect.

Description of Remedy :

Description of Remedy Program : Owners will be notified. Vehicles will be recalled. Remedy program will be to inspect vehicles and replace the defective brake chamber. 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 : Brake chambers K038830N00 will be replaced by K234368N00.

Identify How/When Recall Condition was Corrected in Production : Vehicles manufactured after 06/03/2021 were assembled with defect free components.

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 September 22nd, 2024

Planned Dealer Notification Date : AUG 01, 2024 - AUG 01, 2024

Planned Owner Notification Date : SEP 22, 2024 - SEP 22, 2024

* NR - Not Reported