

Part 573 Safety Recall Report

18V-670

Manufacturer Name : Nova Bus

Submission Date : MAY 13, 2019

NHTSA Recall No. : 18V-670

Manufacturer Recall No. : CR4437



Manufacturer Information :

Population :

Manufacturer Name : Nova Bus

Number of potentially involved : 2

Address : 1000 Industriel Blvd
Saint-Eustache Quebec, Canada 00 JR7
5A5

Estimated percentage with defect : 100 %

Company phone : 450-472-6410

Vehicle Information :

Vehicle 1 : 2017-2017 Nova Bus LFS Hybrid, LFS Artic Hybrid

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : Certain 2017 LFS Hybrid and LFS Artic Hybrid transit buses.

Selection of vehicles was based on the transmission serial number. The total number of vehicles affected by this recall that were sold in the United States is two (2).

Production Dates : MAY 31, 2017 - JUN 14, 2017

VIN Range 1 : Begin : 4RKYL82L9H9775994 End : 4RKYS92LXH9775995 ☐ Not sequential

Description of Defect :

Description of the Defect : Certain Allison Transmission Inc. ("ATI") pressure switches may fracture which could result in a failure of the pressure switch in a closed state, triggering a diagnostic trouble code and potentially disabling the vehicle's propulsion system.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Switch failures in the closed position can potentially disable propulsion at any time during a drive cycle without the ability to regain propulsion, presenting an increased risk of a vehicle accident and/or personal injury when offloading passengers in the roadway.

There have been no reported crashes or injuries; therefore Nova Bus considers this as a proactive measure to protect the public and our customers from the potential risk associated with this defect.

Description of the Cause : Due to an out-of-specification material condition at the pressure switch supplier, the plastic molding used in the pressure switch assembly (P/N 29506484) may fracture. This switch is used in a specific population of H 40/50 EP Drive Units™.

Identification of Any Warning
that can Occur : None

Supplier Identification :

Component Manufacturer

Name : Allison Transmission Inc.

Address : 1 Allison Way
Indianapolis INDIANA 46222-3271

Country : United States

Chronology :

09/06/18 Nova Bus receives a letter from Allison Transmission informing of a supplier Equipment Safety Recall (18E085) that may affect certain Nova Bus vehicles. Regulatory opens an investigation.

09/12/18 Nova Bus reports potential issue to the Volvo Group North America's Regulatory Affairs department. Additional information requested.

09/21/17 Volvo Group North America's Regulatory Affairs department reviews additional information and instructs to file a Safety-related defect report.

09/26/17 Safety-related defect report submitted to the National Highway Traffic Safety Administration.

Description of Remedy :

Description of Remedy Program : Nova Bus will contact the owner of the affected vehicles. The vehicles will have the pressure switch replaced in accordance with the supplier's recommended Field Action 2018FA07.

Reimbursement for cost incurred by the owner for "prenotification remedies" will be addressed on a case-by-case basis according to the Volvo Trucks "General Plan for Reimbursement of Pre-notification Remedies" which was published October 28, 2013.

How Remedy Component Differs
from Recalled Component : The remedy components (pressure switches) are manufactured with plastic that is within specification.

Identify How/When Recall Condition was Corrected in Production : The component supplier has corrected the issue with their supplier.

Recall Schedule :

Description of Recall Schedule : Owner notification will occur on or before November 20th, 2018. An advanced copy of the owner notification letter will be submitted for review and approval prior to release.

As Nova Bus does not have dealers, no dealer notifications will be delivered.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NOV 20, 2018 - NOV 20, 2018

* NR - Not Reported