

Part 573 Safety Recall Report

18V-615

Manufacturer Name : New Flyer of America Inc.

Submission Date : JUN 13, 2019

NHTSA Recall No. : 18V-615

Manufacturer Recall No. : R18-014



Manufacturer Information :

Manufacturer Name : New Flyer of America Inc.

Address : 711 Kernaghan Avenue

Winnipeg, MB Canada 00 R2C3T4

Company phone : 204-224-6706

Population :

Number of potentially involved : 386

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 New Flyer XDE35

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : 31 Xcelisior Diesel-Electric Thirty Five Foot Urban Transit Buses. Recall population is based on Hybrid drive unit serial numbers manufactured during a specific time period and shipped from Allison Transmission Inc. (ATI) cross-referenced to New Flyer production records. This vehicle recall is based on Equipment Recall 18E-085.

Production Dates : MAR 28, 2017 - JUN 26, 2017

VIN Range 1 : Begin : 5FYH8KR10HC050961 **End :** 5FYH8KU0XHC051291 Not sequential

Vehicle 2 : 2016-2018 New Flyer XDE40

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : 229 Xcelisior Diesel-Electric Forty Foot Urban Transit Buses. Recall population is based on Hybrid drive unit serial numbers manufactured during a specific time period and shipped from Allison Transmission Inc. (ATI) cross-referenced to New Flyer production records. This vehicle recall is based on Equipment Recall 18E-085.

Production Dates : JAN 10, 2017 - JUN 08, 2018

VIN Range 1 : Begin : 5FYH8FU01GC050245 **End :** 5FYH8FU1XJB052954 Not sequential

Vehicle 3 : 2016-2018 New Flyer XDE60

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : 126 Xcelisior Diesel-Electric Sixty Foot Urban Transit Buses. Recall population is based on Hybrid drive unit serial numbers manufactured during a specific time period and shipped from Allison Transmission Inc. (ATI) cross-referenced to New

Flyer production records. This vehicle recall is based on Equipment Recall 18E-085.

Production Dates : JAN 10, 2017 - JUN 08, 2018

VIN Range 1 : Begin : 5FYH8YU00GC049793 End : 5FYH8YU0XJC052997 Not sequential

Description of Defect :

Description of the Defect : Drive Units within the ATI serial number range 7110008855 through 7110009460 were manufactured with pressure switches that can fail in an either open or closed state. These failures can result in generating diagnostic trouble codes which may disable the corresponding clutch, locking the drive unit into an unaffected range with reduced performance (i.e. "limp-home mode"), or may disable propulsion altogether. Additionally the ATI serial number range 7110009294 through 7110009445 will also require inspection for and removal of debris from the valve body and internal passages of the pressure switch relay valve. Refer to 18E-085.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Sudden failure of the hybrid drive propulsion system could result in a loss of motive power, increasing the potential for collision and injury.

Description of the Cause : A sub-supplier for ATI did not manufacture the C1/C2 pressure switches to print (use of recycled resin material) during a specific time period. Refer to 18E-085.

Identification of Any Warning that can Occur : Diagnostic trouble codes may be generated. Refer to 18E-085.

Supplier Identification :

Component Manufacturer

Name : Allison Transimission Inc.

Address : One Allison Way

Mail Code PF10 Indianapolis INDIANA 46222-3271

Country : United States

Chronology :

During the late 2017 and early 2018, New Flyer received reports of faulty operation of Hybrid drive systems from Customers at several major transit authorities. Allison personnel were dispatched to correct these issues, as the buses and the drive systems were still under warranty.

In late August 2018 New Flyer was advised that ATI would be declaring an equipment recall with the ODI for the C1/C2 pressure switches on specific hybrid drive motors.

on 6 September 2018 New Flyer received formal notification from ATI of Equipment Recall 18E-085, and the listing of effected Hybrid Drive Unit serial numbers.

Description of Remedy :

Description of Remedy Program : For the Hybrid Drive serial number range identified, ATI will remove and replace the two C1 and C2 pressure switches on each hybrid drive motor, and for an additional specific serial number range, ATI will also inspect and correct for debris accumulation in the associated pressure switch plumbing. Refer to 18E-085.

How Remedy Component Differs from Recalled Component : Rectified Hybrid Drive Units will have the updated pressure switches stamped with the date code 1918 (WW/YY) or later. Refer to 18E-085.

Identify How/When Recall Condition was Corrected in Production : Hybrid Drive Units with the proper pressure switches entered New Flyer production stream in June of 2018.

Recall Schedule :

Description of Recall Schedule : New Flyer has no Dealers. No dealer notification letters will be created. Once the sample letter format is approved by the OPI customers will be notified by express mail.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : SEP 17, 2018 - SEP 21, 2018

* NR - Not Reported