

Part 573 Safety Recall Report

20V-462

Manufacturer Name : New Flyer of America Inc.

Submission Date : SEP 01, 2020

NHTSA Recall No. : 20V-462

Manufacturer Recall No. : R20-007



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 : 164

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2016 New Flyer XDE35

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : 12 Xcelsior 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 20E-049.

Production Dates : MAY 08, 2016 - JUL 04, 2016

VIN Range 1 : Begin : 5FYH8KR02GF048942 End : 5FYH8KR07GF048953 ☐ Not sequential

Vehicle 2 : 2015-2016 New Flyer XDE40

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : 124 Xcelsior 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 20E-049.

Production Dates : FEB 04, 2016 - FEB 23, 2017

VIN Range 1 : Begin : 5FYH8FU10FF047696 End : 5FYH8FU11GC050254 ☒ Not sequential

Vehicle 3 : 2015-2016 New Flyer XDE60

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : 28 Xcelsior 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 20E-049.

Production Dates : FEB 29, 2016 - FEB 16, 2017

VIN Range 1 : Begin : 5FYH8YU06FC047951 End : 5FYH8YU0XGC049784 ☒ Not sequential

Description of Defect :

Description of the Defect : Hybrid Drive Units within the ATI serial number range 7110008473 through 7110009446 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 7110009293 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 20E-049.

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 20E-049.

Identification of Any Warning that can Occur : ATI diagnostic trouble codes may be generated. Refer to 20E-049

Involved Components :

Component Name 1 : C1/C2 Pressure Switch

Component Description : Pressure Switch

Component Part Number : ATI Part Number 29506484

Supplier Identification :**Component Manufacturer**

Name : Allison Transmission
Address : One Allison Way
Mail Code PF6 Indianapolis INDIANA 46222-3271
Country : United States

Chronology :

In 2018 New Flyer declared a vehicle recall (18V-615) in response to Allison Transmission equipment recall 18E-085. On 31 July 2020 New Flyer was formally notified that Allison Transmission (ATI) was expanding the scope of the original recall to include earlier models, and had declared a new equipment recall (20E-049) with the NHTSA. This vehicle recall submission is in response to that notification. On 27 August 2020, Allison informed New Flyer that 12 additional units had been identified which required this recall action. On 1 September New Flyer revised their 573 submission, and revised the customer notifications.

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 20E-049.
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.
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 :	AUG 17, 2020 - AUG 17, 2020
Planned Owner Notification Date :	AUG 17, 2020 - SEP 04, 2020

* NR - Not Reported