

Part 573 Safety Recall Report

23V-898

Manufacturer Name : New Flyer of America, Inc.**Submission Date :** JAN 26, 2024**NHTSA Recall No. :** 23V-898**Manufacturer Recall No. :** R23-022**Manufacturer Information :**

Manufacturer Name : New Flyer of America, Inc.

Address : 711 Kernaghan Avenue
Winnipeg, MB 00 R2C3T4

Company phone : 204-224-6706

Population :

Number of potentially involved : 211

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2023 New Flyer XD35, XD40, XE40, XN35, XN40

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Recall population was based on buses with specific modules used.

Other buses with different modules are not affected.

XD35: 2022-18, 2023-8

XD40: 2022-11; 2023-46

XD60: 2023-34

XE35: 2023-7

XE40: 2022-40

XN35: 2022-11, 2023-10

XN40: 2022-20, 2023-7

XN60: 2023-2

Production Dates : JUN 17, 2022 - DEC 15, 2023

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2023-2023 New Flyer XD60, XE35, XN60

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Recall population was based on buses with specific modules used.

Other buses with different modules are not affected.

Production Dates : JUN 17, 2022 - DEC 15, 2023

VIN Range 1 : Begin : NR End : NR

 Not sequential

Description of Defect :

Description of the Defect : On buses with specific modules, if an address resistor fails, the module could allow an uncommanded throttle activation.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Uncommanded throttle activation increases the risk of a crash.

Description of the Cause : On buses equipped with specific modules, the programming of these modules allowed the module to continuously run an address detection subroutine. If an address resistor fails, the module would enter an error state, and would hold outputs to the last known state.

When this happens, uncommanded throttle is possible.

Identification of Any Warning that can Occur : No warning likely precedes this condition.

Involved Components :

Component Name 1 : MODULE-CM 3033

Component Description : Module

Component Part Number : 937972

Supplier Identification :**Component Manufacturer**

Name : Parker Hannifin Corporation

Address : 1305 Clarence Avenue

Winnipeg Foreign States R3T 1T4 Ca

Country : Canada

Chronology :

On December 5th, 2023, New Flyer received a Field Report of a bus that went into an engine high-rpm condition. The bus was stopped and towed back to the property.

Over the next days, our Technical Support Specialist (TSS) worked with our technician and determined the module/node was continuously running an address subroutine. With this occurring, after a node is powered-up and the address is assigned, if there is any failure in the addressing resistor, the result will be that the node

in question will enter an “error state”. If this happens, all outputs will hold and remain in “last known state”.

A modified program was tested and confirmed on December 15th, 2023.

This issue was presented to the Safety Committee for review on December 20, 2023, which resulted in concurrence a recall should be issued, culminating with this 573 report.

There are no other known Field Reports or Warranty Claims for this issue, and no reported accidents/injuries.

Description of Remedy :

Description of Remedy Program : New Flyer will update bus programming to modify the address sub-routine to only take place upon vehicle power-up, free of charge.

As vehicles are still under warranty and New Flyer maintains the programming, no repairs would have been made prior to this recall notice.

If customers prefer to install the software, New Flyer will provide the updated software and customers can submit for labor reimbursement through New Flyer warranty system.

How Remedy Component Differs from Recalled Component : The revision level of installed software.

Identify How/When Recall Condition was Corrected in Production : New Flyer started revising software version levels in affected production buses on December 18, 2023.

Recall Schedule :

Description of Recall Schedule : Please note New Flyer does not utilize a dealer network. Dealer notification dates are aligned with Owner Notification dates.

Planned Dealer Notification Date : FEB 14, 2024 - FEB 14, 2024

Planned Owner Notification Date : FEB 14, 2024 - FEB 14, 2024

* NR - Not Reported