



19 September 2013

VIA EMAIL and MAIL

Chief - Recall Management Division  
US DOT – National Highway Traffic Safety Administration  
Office of Defects Investigation (NVS-215)  
1200 New Jersey Ave. SE,  
Washington, DC 20590

**Subject: Recall Declaration – Equipment Recall 13E-050 – Sure Power Equalizers and Converters.**

To whom it may concern:

New Flyer Industries Canada ULC and New Flyer of America Inc. (together “New Flyer”), is declaring recall status with regards to a potential for failure of battery equalizers and DC-DC converters supplied by Sure Power, Inc. (“Sure Power” a division of Eaton’s Controls and Power Conversion), as described in the equipment recall 13E-050.

Sure Power has informed New Flyer that the potting compound used for insulation in specific battery equalizers and DC-DC converters manufactured since January 2000, was found to be capable of conducting electricity once exposed to significant thermal energy. Once electrically conductive, the material is capable of self-heating and maintaining temperatures capable of accelerating a thermal incident. Thermal energy can be sourced by various electrical failures, and Sure Power is still investigating whether there are application-specific contributions to the risk of failure. Electrical failures have been traced to water intrusion or solder joint fatigue resulting from ongoing expansion and contraction due to thermal cycling.

This characteristic change to the potting compound increases the risk potential for a vehicle fire.

New Flyer will contact the customers who purchased buses identified as having the suspect components, and arrange for a replacement with newer model Sure Power components free of charge. New Flyer is filing the appropriate 573 defect report (see attached), 577 Sample Customer Letter and will submit quarterly reporting for this recall. The repair instruction is in process and will be forwarded once complete.

If you have any further questions please contact me.

Sincerely,  
**NEW FLYER OF AMERICA INC.**  
**NEW FLYER INDUSTRIES CANADA ULC**

By: Kerry Legg  
Vehicle Safety & Regulatory Compliance Manager  
Corporate Headquarters  
(204) 224-6706

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Safety Defect and Noncompliance Report Guide for Vehicles

**PART 573 Defect and Noncompliance Report**<sup>1</sup>

On 13 September of 2013, New Flyer Industries Canada ULC and New Flyer of America Inc. (together "New Flyer") decided, based on information provided by Sure Power, Inc., that a defect which relates to motor vehicle safety exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: 19 September 2013

Furnish the manufacturer's identification code for this recall (if applicable): R13-021

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

New Flyer Industries Canada ULC

711 Kernaghan Ave., Winnipeg, MB Canada R2C 3T4

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

Mr. Kerry Legg

Vehicle Safety & Regulatory Compliance Manager

Telephone Number: (204) 224-6706 Fax No.: (204) 224-0248

Name and Title of Person who prepared this report.

Same as above



Signed:

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<sup>1</sup>Each manufacturer must furnish a report, to the Associate Administrator for Safety Assurance, for each defect or noncompliance condition which relates to motor vehicle safety.

**I. Identify the Vehicle Models Involved in the Recall**

**2. Identify the Vehicles Involved in the Recall:**

Make(s): New Flyer Model Years Involved: 2004 – 2006 Model(s): D40I

Production Dates: Beginning: 14 Jan 2005 Ending: 19 Oct 2006

VIN Range: Beginning: 027379 Ending: 027379

VIN Range: Beginning: 027621 Ending: 027640

VIN Range: Beginning: 027972 Ending: 027985

VIN Range: Beginning: 028143 Ending: 028154

VIN Range: Beginning: 029727 Ending: 029729

VIN Range: Beginning: 030739 Ending: 030745

Vehicle Type: Heavy Duty Transit Bus Body style: Diesel Forty Foot Invero

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

Refer to 13E-050

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Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents.  
100 %

**II. Identify the Recall Population**

**3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.**

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
<u>D40I</u>	<u>2004 to 2006</u>	<u>57</u>

Total Number Potentially Affected by the Recall: 57

**4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance:** 100%

Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

Recall population is based on component shipping data from Sure Power, Inc. and New Flyer purchasing and production records.

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**III. Describe the Defect or Noncompliance**

**5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.**

Refer to 13E-050

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**Describe the cause(s) of the defect or noncompliance condition.**

Refer to 13E-050

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**Describe the consequence(s) of the defect or noncompliance condition.**

Refer to 13E-050

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**Identify any warning which can (a) precede or (b) occur.**

Refer to 13E-050

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**If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.**

Sure Power, Inc.

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10189 SW Avery St.

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Tualatin, OR 97062

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**Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:**

James Henley

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Director of Quality

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**IV. Provide the Chronology in Determining the Defect/Noncompliance**

*If the recall is for a defect, complete item 6, otherwise item 7.*

**6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.**

Refer to 13E-050

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**7. With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including dates) on which the noncompliance was determined.**

N/A

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**V. Identify the Remedy**

**8. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.**

Refer to 13E-050

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**Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.**

Refer to 13E-050

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**Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.**

Vehicle model is discontinued.

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**VI. Identify the Recall Schedule**

**Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.**

Refer to 13E-050

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New Flyer customer notification will proceed immediately once a recall code is assigned by the NHTSA office of Recall Management and approval of sample customer letter.

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**VII. Furnish Recall Communications**

**9. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification. *A DRAFT copy of the notification documents should be submitted to this office by Fax (202-366-7882) for review prior to mailing.***

**Note that these documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.**