

**PART 573 Defect and Noncompliance Reports**

On January 13, 2011, Fairplay Electric Cars, LLC decided 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: January 19, 2011

Manufacturer's identification code not yet assigned.

Please contact: Cyndi Roybal, Compliance Specialist for all correspondence with respect to this recall.

Telephone Number: (970) 257-0346

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Name and Title of Person who prepared this report:

Michael C. Berry (Engineer) / Cyndi Roybal (Compliance Specialist)  
743 Horizon Court, Suite 333  
Grand Junction, CO 81506

Signed: \_\_\_\_\_ Signed: Cyndi Roybal

**1. Identify the Vehicle Models Involved in the Recall: All Fairplay EVE Electric EVE LSVs (2 and 4 Person)**

**2. Identify the Vehicles Involved in the Recall, for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:**

Please see photos attached in Appendix A

**Make(s): Fairplay Model Years Involved:** 2010 through 2011 **Model(s):** All Fairplay Electric EVE LSVs (2 and 4 Person)

**Production Dates: Beginning:** July 31, 2009 **Ending:** December 27, 2010

**VIN Range:**

**515LL** **A or D** **1 or 2** **2 or 4** **0 through 9** **9, A or B** **1** **Sequential, starting with 000001 through 003637**

**Vehicle Type:** Electric Low Speed Vehicle **Bodystyle:** 2 and 4 Person

**Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:** N/A – All Fairplay Electric EVE LSVs

**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. For example, if the recall involved Widgets equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then**

what was the percentage of the recalled Widgets of all Widgets manufactured during that time period.  
100%

## II. Identify the Recall Population

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

Number of Vehicles: 1,632

Model Year Potentially Involved 2010 through 2011.

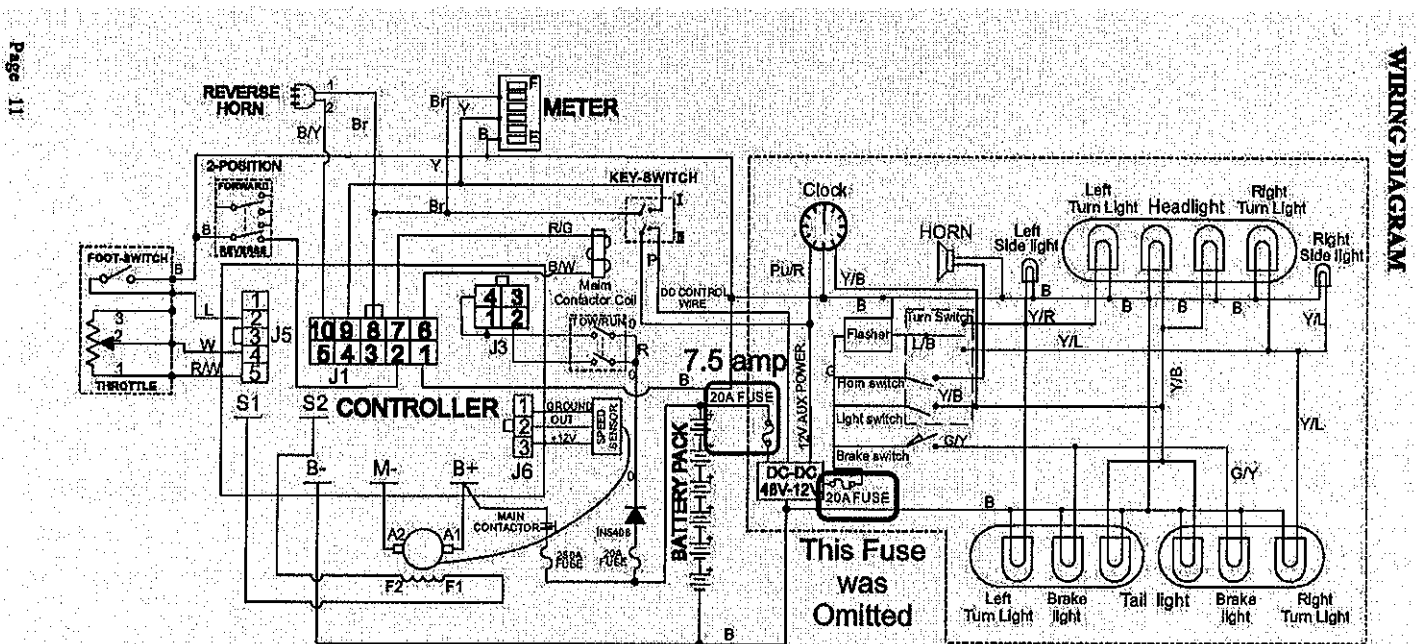
Total Number Potentially Affected by the Recall: 1,632

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 100% of Fairplay EVEs produced from 2009 through December 27, 2010

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: The same parts have been used in the production of all Fairplay EVE LSVs since the beginning of production for these vehicles until discovery of the defect.

## 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. A fuse specified to be in the 12V accessory circuit was not built in to the wiring harness. This one is marked as "Omitted" in the below drawing. The fuse value on the input to the voltage reducer was too large to prevent all damage. This fuse is marked as "7.5A" below.



**Describe the cause(s) of the defect or noncompliance condition.** Fairplay subcontractor not building 12V accessory harness to mutually agreed-upon specification by omitting fuse.

**Describe the consequence(s) of the defect or noncompliance condition.** A short in the wiring can cause excessive current flow (possibly slightly greater than 20 amps) which exceeds the ampacity of the accessory wire gauge and can melt the wire insulation and possibly result in a fire.

**Identify any warning which can (a) precede or (b) occur.** A short in the 12V circuit will reduce the voltage in those wires which can cause lights to dim, reverse beeper to change tone, horn to not work or no accessories to operate.

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

Marshall Green Power Co. Ltd.  
5th Floor, Xinbaohui Bldg.  
Nanhai Blvd  
Nanshan Shenzhen 518052

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

#### **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.**

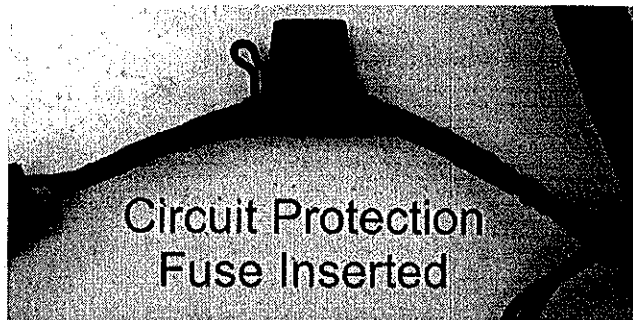
- Friday November 19, 2010 our technical support line received a call from A&T Golf Carts advising us that a customer's cart had started emitting smoke after the brake light switch had shorted against the frame. The customer was Arnold Daglia, a retired engineer. He took it upon himself to investigate the cause of his problem and found that the implementation of his wiring harness differed from the schematic in his owner's manual (see above). When he contacted us about this we determined that he was indeed correct.
- On December 2, 2010 an Internal Change Order (ICO) was issued to the Fairplay factory telling the assemblers to begin placing a fuse in the 12V output wiring path and reduce the size of the reducer input fuse from 20 amps to 7.5 amps.
- On December 27, 2010 we issued a Technical Update on the same issue which was widely distributed to our dealers and end users. Our research has shown that this was the only report we have had of an incident related to this recall.
- On January 13, 2010 after further investigation and review of the diagnosis and possible effects to the owners/vehicles of our EVE LSVs, it was determined that a safety recall needed to be made to protect the owners from any possible injury.

**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.**

**V. Identify the Remedy** N/A

**8. Furnish a description of the manufacturer's remedy for the defect or noncompliance.**

Two actions will be done to eliminate the problem: 1) change the ATO fuse on the input to the voltage reducer from 20 amps to a more correct 7.5 amp value 2) Add a 20 amp fuse with holder to the 12V reducer output side.



**Clearly describe the differences between the recall condition and the remedy:**

The recall condition is an electrical current path that has no fuse protection; the remedy puts 2 safeguards in place to stop current flow should a wiring short occur. Together these prevent any chance of accessory or reducer short outs causing melted insulation possibly resulting in a fire. Shown is the wiring harness with the 12V output fuse holder and fuse installed.

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

The subject wire harness has one fuse on the reducer input side only that is of too large a value (20 amp currently, should be 7.5 amp); the remedy changes the value of this fuse to the proper value (7.5 amp) and adds another fuse with fuse holder (value: 20 amp) on the output of the reducer.

**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.**

The recall condition was corrected in production after an Internal Change Order (ICO) was issued to the factory December 2<sup>nd</sup>, 2010 and they began to follow the procedure detailed there. The production recall remedy is the same as stated for the field remedy.

## **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.**

Our anticipated schedule for recall notification will be sent to Dealers and Vehicle Owners by February 17, 2011. It is anticipated that by February 17 we should have necessary parts in stock and shipped to Fairplay Dealers.

The only foreseeable problem with implementation would be lack of dealer communication with vehicle owners and/or Dealer cooperation.

## **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.**

APPENDIX A PHOTOS OF EVE LSVs

EVE LSV 4 PERSON



2 PERSON EVE LSV

