

**Safety Defect and Noncompliance Report Guide for Vehicles**  
**PART 573 Defect and Noncompliance Report**<sup>3</sup>

**On July 21, 2010, Elgin Sweeper Company [MFR] 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:** 7-27-2010

**Furnish the manufacturer's Identification code for this recall (if applicable):** \_\_\_\_\_

**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.**

**Elgin Sweeper Company  
1300 W. Bartlett Road  
Elgin, IL, 60120**

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

Bill Byrnes, Vice President, ESG Service and Parts

**Telephone Number:**847-622-7069 **Fax No.:**847-622-7077

**Name and Title of Person who prepared this report:**

Scott McArthur, Technical Information Manager, ESG Service and Parts

**Signed:** \_\_\_\_\_

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<sup>3</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, for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:**

**Make(s):** Elgin **Model Years Involved:** 2007-2010 **Model(s):** Broom Bear Street Sweepers

**Production Dates: Beginning:** May 2007 **Ending:** March 2010

**VIN Range: Beginning:** H1932D **Ending:** H2181D

**Vehicle Type:** Street Sweeper **Body style:** \_\_\_\_\_

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

Broom Bear Street Sweepers mounted in International 4300 chassis only. Broom Bears mounted on other chassis makes are not affected.

**Make(s):** \_\_\_\_\_ **Model Years Involved:** \_\_\_\_\_ **Model(s):** \_\_\_\_\_

**Production Dates: Beginning:** \_\_\_\_\_ **Ending:** \_\_\_\_\_

**VIN Range: Beginning:** \_\_\_\_\_ **Ending:** \_\_\_\_\_

**Vehicle Type:** \_\_\_\_\_ **Body style:** \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

**Make(s):** \_\_\_\_\_ **Model Years Involved:** \_\_\_\_\_ **Model(s):** \_\_\_\_\_

**Production Dates: Beginning:** \_\_\_\_\_ **Ending:** \_\_\_\_\_

**VIN Range: Beginning:** \_\_\_\_\_ **Ending:** \_\_\_\_\_

**Vehicle Type:** \_\_\_\_\_ **Body style:** \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

**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 for 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.**

<b>Model</b>	<b>Year</b>	<b>Number of Vehicles Potentially Involved</b>
Elgin Broom Bear	2007	5
Elgin Broom Bear	2008	14
Elgin Broom Bear	2009	16
Elgin Broom Bear	2010	17

**Total Number Potentially Affected by the Recall:** 52

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:**

Elgin Sweeper began manufacturing the Broom Bear street sweeper on International 4300 chassis in May 2007. Fontaine Trucks modifies the International 4300 chassis suspension for the Broom Bear sweeper. Fontaine determined through visual inspection that the suspension control arms and tower were not welded per specification and are not sufficient for the life expectancy of the vehicle. Therefore, all Elgin Broom Bears mounted on International 4300 chassis between May 2007 and March 2010 are affected.

## 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.**

The chassis suspension rear control arms and tower are welded to the chassis axel in five places by Fontaine Trucks. The welds have been determined to be insufficient for the life expectancy of the vehicle. The welds can crack causing the control arms or tower to separate from the axle.

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

The suspension control arms and tower were not welded to the axle per specification

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

If the control arm or tower weld fails, it can separate from the axle. If this condition occurs, there is a remote possibility of the axle shifting while the vehicle is in operation. The operator of the vehicle could lose control of the sweeper and could cause injury to the operator or passers by the sweeper.

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

N/A

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

**Fontaine Truck Modification**

**5325 Prosperity Drive**

**Springfield, OH 45502**

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

Steve Boyer, VP of Product Development and Customer Satisfaction

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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.**

Elgin Sweeper received a report in 5/17/2010 from Elgin Dealer Standard Equipment that Elgin Broom Bear serial number H2074D had a suspension control arm separate from the chassis rear axle. The unit was repaired at the local chassis dealer

Elgin sweeper received a second report from Elgin dealer Virginia Public Works on 6/17/2010 of a second Broom Bear sweeper that had a suspension control arm separate from the chassis axle. This unit was also repaired at the local chassis dealer.

Elgin Sweeper immediately informed it's chassis supplier, Chicago International and chassis modification company Fontaine of these failures. Fontaine Truck Modification performs the installation of the suspension control arms and tower. Fontaine determined that the control arms and tower were not being welded to the axle per specification and that the welds were insufficient to meet the life expectancy of the vehicle.

Elgin sweeper evaluated Fontaine's analysis on 7/21/10 and determined a recall of Broom Bear Sweepers mounted on International 4300 chassis was necessary.

**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.**

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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.**

Elgin sweeper will remedy this problem by having the control arm and tower welds inspected by a certified welder. The certified welder will inspect the welds and determine if they meet the weld specification. If the welds do not meet the specification, the old welds that join the control arms and tower to the chassis will be removed, and re-welded to specification. This will be performed by an certified welder. The repair procedure is detailed in service bulletin SB-078. The newly welds (if required) on control arms and tower are visually different and will distinguish an updated Broom Bear from the original welds on the control arms, tower, and axle.

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

The difference between the recall condition and the remedy is the size, shape, and number of passes of weld on the control arms, tower, and axle. A remedied vehicle is visually different the recall condition. This is described in Elgin's service bulletin SB-078.

**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.**

Fontaine Truck Modification has corrected all Elgin Broom Bear International 4300 Chassis after H2181D. Production remedy is identical to the recall 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.**

Initial mailing to Elgin Dealers: August 11-13<sup>th</sup>, 2010

Notification to Customers: August 16-18<sup>th</sup>, 2010

#### **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.**