

**Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Report³**

On April 7th, 2010, Vactor Manufacturing [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:4-12-2010

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.

**Vactor Manufacturing
1621 S. Illinois Street
Streator, IL, 61364**

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:_____

³ 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.

This guide was developed from 49 CFR Part 573, "Defect and Noncompliance Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227 or by FAX at (202) 366-7882.

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):Vactor **Model Years Involved:**1992 to 2010 **Model(s):**2103 Sewer Cleaner

Production Dates: Beginning: December 1992 **Ending:** March 2010

VIN Range: Beginning: 92-12-4744 **Ending:** 10-03V-12062

Vehicle Type: Sewer Cleaner **Body style:** _____

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

None – all 2103 Sewer Cleaners are affected.

Make(s): _____ **Model Years Involved:** _____ **Model(s):** _____

Production Dates: Beginning: _____ **Ending:** _____

VIN Range: Beginning: _____ **Ending:** _____

Vehicle Type: _____ **Bodystyle:** _____

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: _____ **Bodystyle:** _____

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.

Model	Year	Number of Vehicles Potentially Involved
Vactor 2103	1992	1
Vactor 2103	1993	3
Vactor 2103	1994	24
Vactor 2103	1995	22
Vactor 2103	1996	30
Vactor 2103	1997	27
Vactor 2103	1998	21
Vactor 2103	1999	26
Vactor 2103	2000	26
Vactor 2103	2001	36
Vactor 2103	2002	38
Vactor 2103	2003	28
Vactor 2103	2004	31
Vactor 2103	2005	29
Vactor 2103	2006	34
Vactor 2103	2007	39
Vactor 2103	2008	30
Vactor 2103	2009	28
Vactor 2103	2010	7

Total Number Potentially Affected by the Recall:

480

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:

Vactor Manufacturing began production of the model 2103 Sewer Cleaner in December 1992. Technical analysis using physical tests indicate that the debris body cylinder mount pin retaining pin is not sufficient to retain the mounting pin for the entire life expectancy of the vehicle. Therefore, all 2103 Sewer Cleaners manufactured by Vactor Manufacturing from December 1992 to 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 debris body hoist (dump) cylinder is attached to the sub-frame with a mounting pin. The cylinder mounting pin is retained using a cotter pin on one side hair pin on the other side. The hair pin can fall out or be pushed out of the retaining pin, and the retaining pint can work itself out of the mount over time.

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

The hair pin is not sufficient to retain the cylinder mounting pin over extended use of the vehicle.

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

If the hair pin comes out of the cylinder retaining pin, the retaining pin can work itself out of the mount over time and use of the vehicle. There is a remote possibility that if the retaining pin comes out of the mount when the debris body is in the up position, it could tilt over backwards. If the failure occurs in this manner, it could cause injury to the operator or personnel near the sewer cleaner. Vactor received on report of personal injury due to this type of failure in March 2010.

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.

N/A

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

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.

Vactor manufacturing received a report on March 11, 2010 from Vactor Dealer Sansom Equipment of a 2103 Debris Body that had tilted over backwards and caused personal injury to the operator of the vehicle. Upon investigation of the failure, the debris body cylinder was found to be out of the cylinder mount on the sub frame of the vehicle. The debris body mounting pin had worked it's way out, and the hair pin retaining pin was missing.

Vactor Manufacturing began a technical investigation and inspection of other 2103 Sewer Cleaners in the field. Vactor found 2 other units in the field that had missing hair pin cylinder pin retaining pins. One of these units, serial number 08-05V-11117 had the cylinder retaining pin starting to work it's way out of the sub-frame mount.

Technical analysis showed that the hair pin style retaining pin was insufficient to retain the cylinder mounting pin.

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

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.

Vactor Manufacturing will remedy this problem by removing the hair pin style retaining pin and replacing with a cotter pin. The cotter pin can be secured around the mounting pin to ensure proper retaining of the mounting pin. This will assure that the cylinder mounting pin will not be able to come out of the cylinder mount on the sub-frame. This repair is detailed in Vactor

service bulletin SB-245. A cotter pin is visually different than a hair pin and will distinguish an updated 2103 Sewer Cleaner from the original design with a hair pin retaining pin.

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

The difference between the recall condition and remedy is the replacement of the hair pin retaining pin with a cotter pin. The replacement of this pin provides the proper pin retaining ability and is visually different than the hair pin. This is described in Vactor's Service Bulletin SB-245.

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.

Vactor Manufacturing began using a cotter pin in place of a hair in on the debris body dump cylinder beginning with serial number 10-03V-12063. This same cotter pin will be installed on customer vehicles in the field.

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 Vactor Manufacturing Dealers: April 21st -23rd, 2010

Notification to Customers: April 30th – May 14th, 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.