

03E-008 (1/11)

Safety Defect and Noncompliance Report Guide for Equipment
PART 573 Defect and Noncompliance Report¹

On December 23, 2002, Harrison HG (MFR) decided that (a defect which relates to motor vehicle safety) (a noncompliance with Federal Motor Vehicle Safety Standard No. _____) exists in items of motor vehicle equipment 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: 2.10.02

Furnish the manufacturer's identification code for this recall (if applicable): _____

1. Identify the full corporate name of the fabricating manufacturer/brand name/trademark owner of the recalled item of equipment. If the recalled item of equipment is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

HARRISON HYDRA-GEN Inc.
10827 Tower Oaks Blvd.
HOUSTON TX 77070

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

JIM OTWELL
PRESIDENT

Telephone Number: 281 807 4420 Fax No.: 281 807 4815

Name and Title of Person who prepared this report.
Jim Otwell
PRESIDENT

Signed:
Sal [Signature]

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¹ Each manufacturer must furnish a report, to the Associate Administrator for Enforcement, 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. George Person at (202) 366-5210 or by FAX at (202) 366-7882.

1. Identify the Recalled Items of Equipment

2. Identify the Items of Equipment Involved in this Recall, for each make and model or applicable item of equipment product line (provide illustrations or photographs as necessary to describe the item of equipment), provide:

Generic name of the item: 71cc Pump

Make: LEXROTH Model: XB1R0-02

Part Number: XD1R0-02 Size: 71cc

Function: HYDRAULIC PUMP

Other information which characterizes/distinguishes the items of equipment to be recalled:

PUMP WITH SOFT START

Make: LEXROTH Model: XB1R0-02

Part Number: XB1R0-02 Size: 71cc

Function: Hya Pump

Other information which characterizes/distinguishes the items of equipment to be recalled:

Make: LEXROTH Model: XD1R0-03

Part Number: XD1R0-03 Size: 71cc

Function: Hya Pump

Model Years Involved: 2002

Other information which characterizes/distinguishes the items of equipment to be recalled:

Make: LEXROTH Model: XB1R0-03

Part Number: XD1R0-03 Size: 71cc

Function: Hya Pump

Other information which characterizes/distinguishes the items of equipment to be recalled:

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. 10%

II. Identifying the Recall Population

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

Items Model	Year	Number of Potentially
XD1R0-02	2002	24
<u>Involved</u>		
XD1R0-02	2002	27
XB1A0-02	2002	5
XB1R0-03	2002	3
YB1R0-03	2002	2
XD2R0-03	2002	1

Total Number Potentially Affected by the Recall: 62

4. Furnish the approximate percentage of the total number of items of equipment estimated to actually contain the defect or noncompliance:

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 items of equipment:

All pumps built with new design soft start.

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 SENSE LINE GOING TO THE SOFT START BROKE.

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

AT THIS POINT A CONCLUSIVE DETERMINATION HAS NOT BEEN MADE. HOWEVER, WE BELIEVE THE CUSTOMER MISHANDLED THE PUMP, CAUSING THE DEFECT.

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

HYDRAULIC OIL WILL BE SPRAYED POSSIBLY HITTING THE EXHAUST SYSTEM AND IGNITING.

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

A SMALL LEAK OR VISIBLE DAMAGE TO THE TUBING.

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:

N/A

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.

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.

WE HAVE ONLY HAD ONE REPORTED INCIDENT. INITIAL REPORT CAME FROM SUPREMA TOWERS ON DEC. 19 2002. THE TUBING BROKE AND THE FLUID HIT THE EXHAUST SETTING THE TRUCK ON FIRE. NO INJURIES. NO WARRANTY CLAIM HAS BEEN FILED BECAUSE CAUSE HAS NOT BEEN FOUND. HARRISON BELIEVES IT WAS CUSTOMERS MISHANDLING OF PUMP.

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.

HARRISON REPLACED THE STEEL TUBING WITH HIGH PRESSURE HOSE. THE HOSE IS MORE FLEXIBLE THAN TUBING AND CAN WITHSTAND ROUGHER HANDLING. IT ALSO CUMINATES THE TUBING WHICH BROKE

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

THE HOSE IS MORE FLEXIBLE.

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 PRODUCTION REMEDY WAS IDENTICAL TO 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.

A NOTIFICATION LETTER WAS SENT OUT ON 4/15/03
CALL CUSTOMER WAS NOTIFIED BY FAX AND PHONE ON 4-15-03
RETRO KITS WERE SENT OUT STARTING THE NEXT DAY AND ALL
HAVE BEEN SENT OUT AS OF TODAY.

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: These documents are to be submitted separately from those provided in accordance with Part 473.8 requirements.

03E-008 (7/11)

Harrison Hydra-Gen Factory Recall

January 15, 2003

Company
Contact
Address
City, State, Zip
Phone
Fax

Dear, (Contact)

Harrison announces a voluntary recall of certain model pumps. This recall only pertains to 78 pumps in the field. These pumps were sold during the months of July 2002 through January 2003. The pumps being recalled are models XD1R0-02/2, XD1R0-03/2, and YB1R0-02/3. Only pumps with the soft starts mounted on them are affected.

Scope of the problem:

There has only been one reported incident where the tube actually broke. The tubing connecting the soft start to the pump broke away from the fitting and sprayed hydraulic fluid onto the exhaust. The temperature of the exhaust exceeded the flashpoint of the oil and the oil ignited. There were no injuries reported but substantial damage was incurred to the wiring harness under the truck, as well as other components.

Root cause of problem:

At this point, it is not known if the problem occurred as a result of human error, design flaw, or metallurgical reasons. Third party experts are examining the parts but waiting for a definitive answer would not be prudent on our part.

Action to be taken:

The pumps should immediately be taken out of service and the part retrofitted or replaced. Since we do not know where these units were delivered we are relying on the truck manufacturer to notify or inform Harrison of the end user so we can have the pumps retrofitted. Retrofit kits will be sent out and repaired at Harrison's expense. The retrofit kit includes removing 2 (two) pieces of steel tubing and replacing it with a high-pressure hose. The hose and instructions will be supplied to the technician performing the work. The retrofit should take about 1 hour in most cases.

We apologize for any inconvenience, but the recall is a result of Harrison's commitment to the highest level of user safety and quality standards. Below are the pumps we sold to you affected by this recall.

Date Sold	Your PO #	Pump Model #	Pump Serial #

If you have any questions please do not hesitate to call Jim Otwell or John Mann at the numbers listed below.

Best Regards,

Jim Otwell
President, Harrison Hydra-Gen, Inc.
10827 Tower Oaks Blvd
Houston, TX 77070
Phone: 1-800-723-3334
Fax: 1-281-807-4815

Soft start retrofit kit.

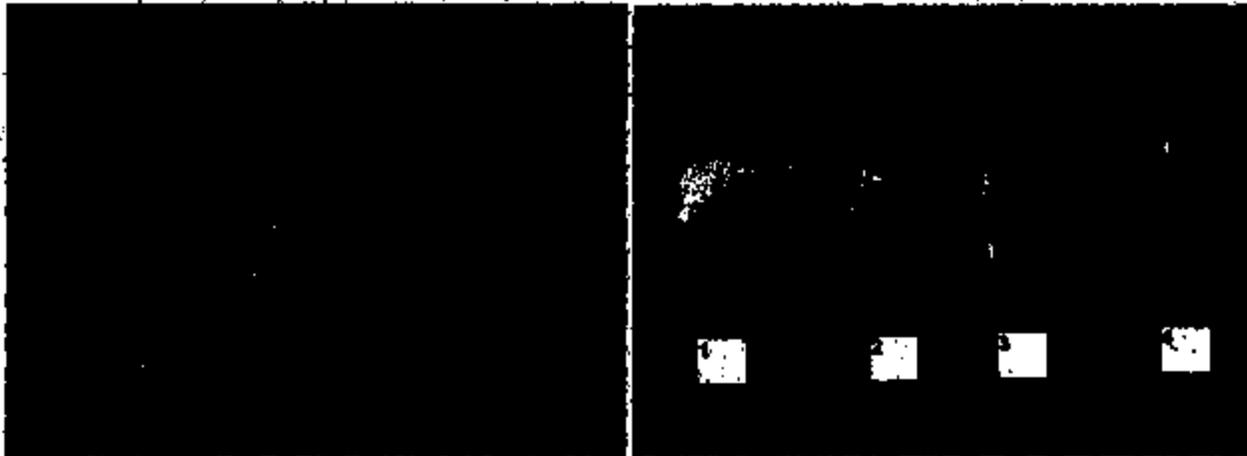
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Tools Required

- 5/16" Allen Wrench
- 9/16" Combination Wrench
- 11/16" Combination Wrench
- 3/4" Combination Wrench

Parts Supplied:

- Fitting #1 #4 pipe - #4 JIC 90 degree
- Fitting #2 #4 o-ring - #4 female Straight
- Fitting #3 #4 o-ring - #4 JIC 90 degree
- Fitting #4 #4 o-ring - #4 JIC Straight
- High Pressure Hose



The pump should be removed from the truck and work performed on a bench. Here is the pump with the current fittings and tubes.

1. Unplug the electrical wires to the soft start solenoid.
2. Remove the soft start valve from the pump.
3. Remove the two fittings that connected the tubing to the pump and discard fittings.
4. Loosen the pressure port split flange and remove the side closest to the loading control. (As indicated in by the arrow.)
5. The pressure fitting will need to be orientated so that the fitting is at the proper placement. In order to orientate the pressure fitting by loosening the remaining bolts on the pressure port flange and rotating the pressure fitting into place.



BEFORE

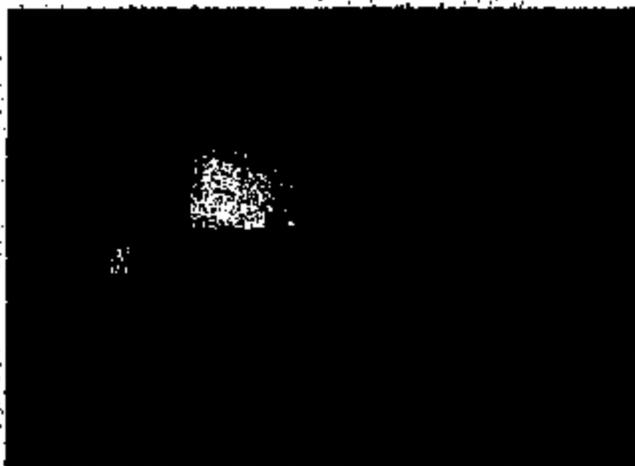


AFTER

6. Install Fitting #1 to the pressure fitting and orientate as shown below.
7. Remove the metal plug from the bottom side of the compensator and replace with the fitting #3 into the compensator body and orientate as shown.
8. Put the plug you just removed into the topside of the compensator body. (Where you removed the old style fitting.)
9. Replace the pressure flange and tighten all fittings and bolts.



10. Remove the fittings and tubing from the soft start and discard.
11. Put fitting #4 into port marked #1.
12. Put fitting #2 into the port marked #2.

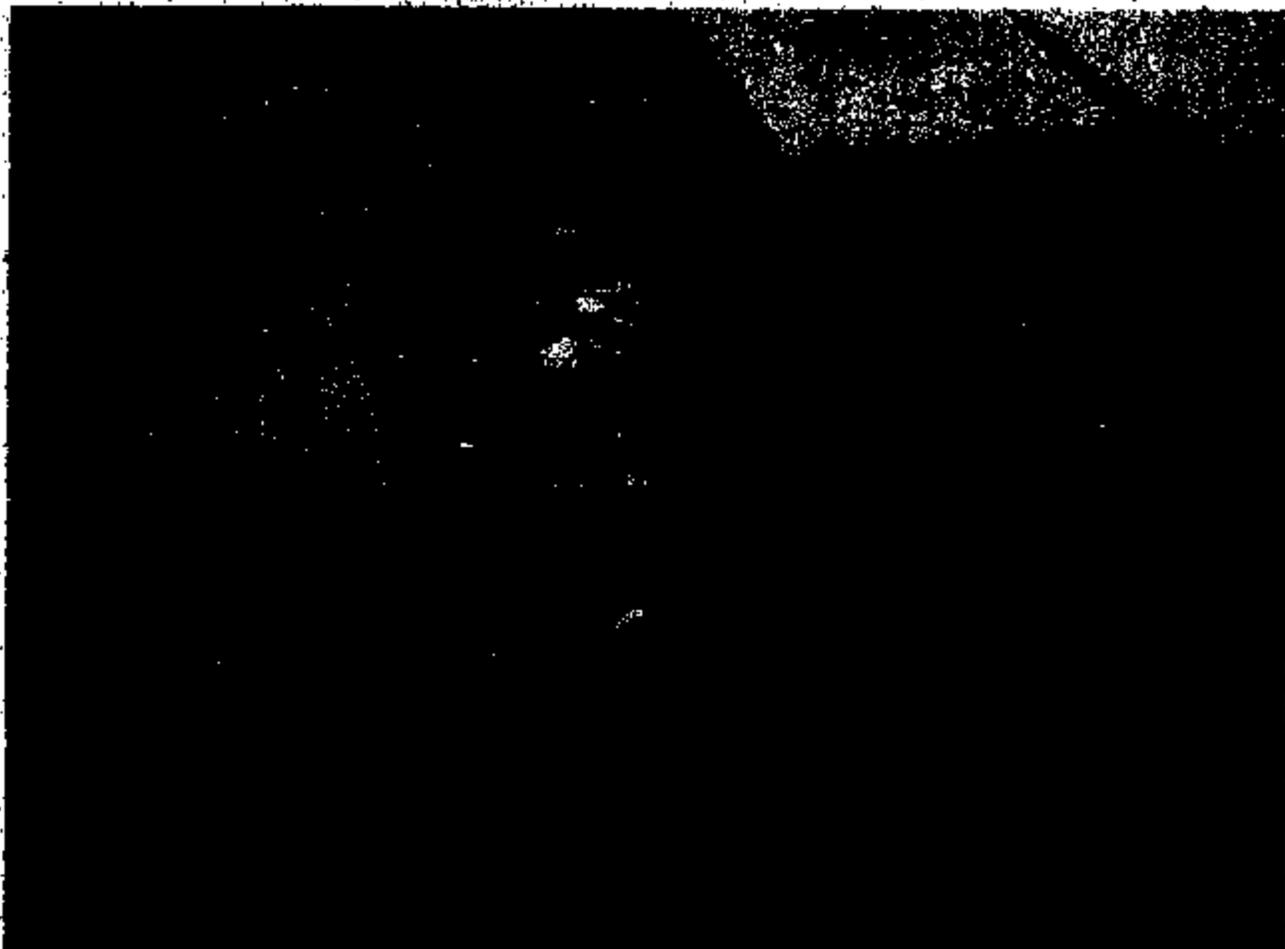


BEFORE



AFTER

13. With a $\frac{3}{4}$ " wrench, loosen the nut holding the coil on just enough to allow the coil to rotate.
14. Install fitting #2 to fitting #3.
15. Install Hose to fitting #1 and fitting #4.
16. Check that all fittings and bolts are tightened.
17. Reinstall pump back on vehicle.



The operation of the pump will be no different than it was before you removed the tubing.