

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Responsibility and Reports¹

On Oct-3-, 2011, Great Lakes Mfg. Inc. [MFR] decided that (a defect which relates to motor vehicle safety)(a noncompliance with Federal Motor Vehicle Safety Standard No. 121) 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 Responsibility and Reports.**

Date this report was prepared: Oct 6, 2011

Furnish the manufacturer's identification code for this recall (if applicable): 1G9

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.

Great Lakes Manufacturing, Inc.

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

Craig French -President

Telephone Number: 920-842-2012 Fax No.: 920-842-2497

Name and Title of Person who prepared this report.

Craig French - President

Lisa Miller - Office Assistant

Signed:



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 Responsibility and Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Ric Willard at (202) 366-6544, by FAX at (202) 366-7882, or by E-Mail to RID.ODI@dot.gov.

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): Great Lakes Trailers **Model Years Involved:** 2005-2006 **Model(s):** Economy

Production Dates: Beginning: April 2005 **Ending:** Sept. 2006

VIN Range: Beginning: 1G9CA45395S139579 **Ending:** 1G9CA45357S139839

Vehicle Type: Trailer **Bodystyle:** Steel Straight Frame Logging Rail Trailers

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

Logging trailers containing log bolsters and stakes with steel straight frame rails equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers **Model Years Involved:** 2002-2006 **Model(s):** Single Drop

Production Dates: Beginning: July 2002 **Ending:** March 2006

VIN Range: Beginning: 1G9CB46453S139257 **Ending:** 1G9CB3336S139766

Vehicle Type: Trailer **Bodystyle:** Steel Single Drop Frame Logging Rail Trailers

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

Logging trailers containing log bolsters and stakes with steel drop frame rails, equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers **Model Years Involved:** 2002-2007 **Model(s):** Pup

Production Dates: Beginning: July 2002 **Ending:** Dec 2007

VIN Range: Beginning: 1G9CD23273S139258 **Ending:** 1G9CD20228S139969

Vehicle Type: Trailer **Bodystyle:** Steel straight frame full pup trailer with drawbars

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

Logging and roll off container transport trailers with straight frames and steerable front axles with drawbars, equipped with MSQR5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers **Model Years Involved:** 2002 **Model(s):** Dump

Production Dates: Beginning: June 2002 **Ending:** June 2002

VIN Range: Beginning: 1G9CF16263S139249 **Ending:** 1G9CF162838139253

Vehicle Type: Trailer **Bodystyle:** Steel straight frame with steel or aluminum dump boxes.

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

Steel straight frame rail chassis with dump boxes, equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers **Model Years Involved:** 2002-2006 **Model(s):** Wallboard

Production Dates: Beginning: Nov 2002 **Ending:** Feb 2006

VIN Range: Beginning: 1G9CH17263S139275 **Ending:** 1G9CH16296S139728

Vehicle Type: Trailer **Bodystyle:** Steel frame flatbed tag along with pintle eye.

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

Steel frame flat bed tag along with pintle eye, equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers **Model Years Involved:** 2002-2007 **Model(s):** Crib Drop

Production Dates: Beginning: Feb 2002 **Ending:** Sept. 2007

VIN Range: Beginning: 1G9CJ50282S139212 **Ending:** 1G9CJ48698S139947

Vehicle Type: Trailer **Bodystyle:** Steel single drop frame logging rail trailers.

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

Steel single drop frame logging trailers with multiple bunks and stakes, ends enclosed; equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers **Model Years Involved:** 2003-2007 **Model(s):** Rail Chasis

Production Dates: Beginning: Jan 2003 **Ending:** July 2007

VIN Range: Beginning: 1G9CR27293S139290 **Ending:** 1G9CR40237S139930

Vehicle Type: Trailer **Bodystyle:** Steel straight frame chassis

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

Steel straight frame chassis having bodies installed by others; equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

Make(s): Great Lakes Trailers Model Years Involved: 2003 Model(s): Tag Along

Production Dates: Beginning: March 2003 Ending: March 2003

VIN Range: Beginning: 1G9CK42223S139302 Ending: 1G9CK42223S139303

Vehicle Type: Trailer Bodystyle: Steel straight frame low profile flatbed

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

Steel frame low profile flat bed tag along with pintle eye, equipped with MSQR-5000 differential pressure regulator/ quick release valves by Air Brake Systems, Inc.

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 Vehicles equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then what was the percentage of the recalled Vehicles of all Vehicles manufactured during that time period.

<u>Model</u>	<u>Percentage of Total</u>
Economy	1.85%
Single Drop	.53%
Pup	9.00%
Dump	.66%
Wallboard	8.44%
Crib Drop	4.50%
Rail Chassis	4.60%
Tag Along	.26%

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>
Economy	2005	10
Economy	2006	4
Single Drop	2002	1
Single Drop	2005	1

Single Drop	2006	2
Pup	2002	3
Pup	2003	3
Pup	2004	1
Pup	2005	41
Pup	2006	19
Pup	2007	1
Dump	2002	5
Wallboard	2002	2
Wallboard	2003	1
Wallboard	2004	2
Wallboard	2005	53
Wallboard	2006	6
Crib Drop	2002	4
Crib Drop	2003	1
Crib Drop	2005	25
Crib Drop	2006	1
Crip Drop	2007	3
Rail Chasis	2003	8
Rail Chasis	2004	4
Rail Chasis	2005	8
Rail Chasis	2006	8
Rail Chasis	2007	7
Tag Along	2003	2

Total Number Potentially Affected by the Recall:

226

4. Furnish the approximate percentage of the total number of vehicles 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 vehicles:

The MSQR-5000 was standard installation on selected models during this production period.
The date range of production was based on beginning and ending dates of purchases of the MSQR-5000 System.

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 MSQR-5000 differential pressure regulator/quick release valve device manufactured by Air Brake Systems, Inc. was installed on selected models. The MSQR-5000 device does not include an antilock brake system as defined by FMVSS 121 or the requisite sensors and warning lights specified in FMVSS 121 S5.2.3.

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

The MSQR-5000 system does not meet the definition of an ABS system or provide the warning light required by FMVSS 121.

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

The purpose of the Federal Motor Vehicle Safety Standard (FMVSS) for air brake systems, No.121, is to insure safe braking performance under normal and emergency conditions. The MSQR-5000, which was installed in the trailers subject to the recall to satisfy FMVSS No. 121's ABS requirements, does not meet the definition of an ABS as required by FMVSS No.121. Also, the trailers do not have a light to warn the operator of an ABS malfunction as required by FMVSS No.121. Great Lakes Mfg. has received no complaints or reports of any on-road failures associated with this noncompliance.

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.

Air Brake Systems, Inc.

P.O. Box 270

Mt. Pleasant, MI 48804-0270

Part No. 5000 Description: MSQR-5000 ABS Valve

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

William Washington

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.

Great Lakes Mfg. installed the MSQR-5000 based on the representations that the system met all federal requirements and the fact that the system continuously passed state inspections. On Sept-1 2011 Great Lakes Mfg received an information request from NHTSA relating to the MSQ-500. After further discussion with the agency and investigation, on Oct 3, 2011 Great Lakes determined that the MSQR-5000 does not meet the requirements of FMVSS 121.

V. Identify the Remedy

8. A description of the manufacturer's program for remedying the defect or noncompliance.

Great Lake Mfg. will replace the MSQR-5000 with an ABS system meeting all the requirements of FMVSS 121. Vehicle owners will be instructed to seek installation of replacement parts at an authorized dealer or the manufacturing plant in Suring, WI. For fleet owners with the capacity to perform the installation in-house, if requested by the fleet owner, Great Lakes Mfg will provide the parts and installation instructions with an allowance for labor. Great Lakes Mfg. will institute a reimbursement plan consistent with 49 CFR Part 573.13.

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

Vehicle owners will be instructed to seek installation of the replacement parts at an authorized dealer or the manufacturing plant in Suring, WI. For fleet owners with the capacity to perform the installation in-house, if requested by the fleet owner, Great Lakes Mfg. will provide the parts and installation instructions with an allowance for labor.

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

Great Lakes Mfg. will replace the MSQR-5000 system with an ABS compliant system meeting all requirements of FMVSS 121. The modification will involve installation of appropriate ABS compliant air valve, sensor ring, axle sensor block, wiring harness and warning light.

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.

Great Lakes Mfg. discontinued installation of the MSQR-5000 in December 2007.

VI. Identify the Recall Schedule

10. 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.

Great Lakes will notify end purchasers of the recall and provide them with a list of authorized dealers or the plant location for replacement of the MSQR-5000 with an alternative brake system. Great Lakes Mfg. is currently investigating the availability of replacement parts and the sourcing of repairs and will provide further details of the recall campaign when available.

VII. Furnish Recall Communications

11. 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) or by E-Mail to RMD.ODI@dot.gov for review prior to mailing.

Note that these documents are to be submitted separately from those provided in accordance with Part 579.5 requirements.

Great Lakes Mfg. will supply the owner and dealer notification letters as available.