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By Recall Management Division at 9:40 am, Mar 29, 2012



12V-086
(6 Pages)
Amended

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March 28, 2012

BY EMAIL AND
BY CERTIFIED MAIL

Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attention: Recall Management Division (NVS – 215)
1200 New Jersey Avenue, SE.
Washington, DC 20590

Re: AMENDED PART 573 NOTICE RE 2012 MCI D SERIES COACHES WITH
ACTIA MULTIPLEX SYSTEM
NHTSA # 12V-086

Dear Sir or Madam:

I have enclosed Motor Coach Industries, Inc.'s ("MCI") Amended Part 573 Defect and Noncompliance Report, proposed customer notification letter, draft Service Bulletin 384, and sample envelope and mailing label. MCI is amending its prior 573 Report to include an additional 23 vehicles and two other vehicle models within the scope of the recall. The amended report is redlined to show changes made to the prior report.

Please advise at your earliest convenience if MCI's proposed customer notification letter, bulletin, and sample envelope and mailing label are satisfactory. Thanks for your assistance with this matter.

Sincerely,
MOTOR COACH INDUSTRIES, INC.

By: Timothy J. Nalepka
Senior Vice President &
General Counsel

Enclosures

Safety Defect and Noncompliance Report Guide for Vehicles
Amended PART 573 Defect and Noncompliance Report

On February 29, 2012, Motor Coach Industries, Inc. 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: ~~March 2, 2012~~ March 28, 2012

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

MCI Service Bulletin 384

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.

**Motor Coach Industries, Inc.
1700 E. Golf Road
Suite 300
Schaumburg, IL 60173**

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

Jim Macdonald, Executive Director, Engineering

Telephone Number: (204) 287-4949 Fax No.: (204) 478-2877

Name and Title of Person who prepared this report.

**Timothy J. Nalepka
Senior Vice President, General Counsel & Secretary**

Signed: _____



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:

All MCI 2012 **D4505, D4500, and D4000ISTV model** coaches equipped with a sedan style entrance door and an ACTIA multiplex system.

Make(s): MCI

Model Years and Models Involved: 2012 **D4505, D4500, and D4000ISTV**

Production Dates: Beginning: August 2011 Ending: February 2012

VIN Range:

Model	VIN'S
D4505	<u>59742, 59764, 59765, 59788, 59789, 59861 to 59863, 59904, 59905, 59989 to 59992</u> <u>12604, 12605, 12610 to 12621</u>
<u>D4500</u>	<u>59829-59845</u>
<u>D4000ISTV</u>	<u>59923</u>

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

The recalled vehicles are the 2012 **D4505, D4500, and D4000ISTV model** coaches equipped with a sedan style entrance door and an ACTIA multiplex system.

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.

The recall population is approximately 3015% of the total 2012 D series coach population manufactured during the time period referenced above.

II. Identify the Recall Population

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

Model	Model Year	Potential Number of Vehicles Affected
D4505	2012	283
D4500	2012	17
D4000ISTV	2012	1

Total Number Potentially Affected by the Recall: **46 23**

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

100% of the vehicles identified in section 2.

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 recall population was determined by identifying motor coaches that contained both a sedan style entrance door and the ACTIA multiplex 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 ACTIA multiplex controller is programmed to shut down all power on the coach, including power to the controller itself, thirty (30) minutes after all of the following conditions have occurred:

1. The ignition switch is turned off; and,
2. The park brake switch is applied; and,
3. The hazard switch is set to the "OFF" position.

All outputs from the ACTIA controller are set to the off state when the controller power is removed. If the sedan entrance door is open when the controller power is removed, the door will close. There is no warning when this occurs.

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

The sedan door is opened and closed by a pressurized air cylinder controlled by a solenoid valve. When power is removed from the controller, the signal to the solenoid valve changes to the off state, allowing air flow to the side of the cylinder that closes the door.

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

If the entrance door is open when power to the controller is removed, the entrance door will close without warning. As a result, the closing door may cause injury if a person is in the doorway.

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

There is no warning.

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

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 principal 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,

On February 22, 2012, MCI received a report that the entrance door on a 2012 D4505 coach had closed without warning and had nearly come in contact with a person. MCI Engineering reviewed the control logic for the door and determined that the door will close if power to the controller is removed. No injuries have been reported to MCI.

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.

N/A.

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.

MCI will remedy the affected coaches at no cost to customers by revising the control logic to not allow the controller to power down if the entrance door is open.

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

The revised control program will not permit the controller to power down if the entrance door is open, thus preventing any unintentional door closings.

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.

MCI implemented the new control logic on production coaches as of February 24, 2012.

VI. Identify the Recall Schedule

9. 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.

MCI anticipates sending notifications to customers within one week after receiving approval by NHTSA of MCI's draft customer notification.

VII. Furnish Recall Communications

10. 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.*

MCI has submitted with this Amended Part 573 Notice~~will submit~~ its proposed customer notification letter and Service Bulletin 384~~under separate cover~~.

Note that these documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.