12V-250
(7 Pages)

Timothy J. Nalepka
Senior Vice President & General Counsel

Direct Line: (847) 285-2085
Facsimile: (502) 318-8085

Reliability Driven™

May 30, 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: PART 573 NOTICE RE 2009 - 2011 MCI D SERIES COACHES WITH LED INTERIOR LIGHTS AND MULTIPLEX SYSTEM**

Dear Sir or Madam:

I have enclosed Motor Coach Industries, Inc.'s ("MCI") Part 573 Defect and Noncompliance Report. MCI will send its proposed customer notification letter, draft Service Bulletin 388, and sample envelope and mailing label shortly under separate cover.

In the interim, please acknowledge receipt of MCI's report and advise NHTSA's docket number for this matter. Thank you.

Sincerely,
MOTOR COACH INDUSTRIES, INC.

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

Enclosure

Safety Defect and Noncompliance Report Guide for Vehicles

**PART 573 Defect and Noncompliance Report**

**On May 17, 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: May 30, 2012**

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

**MCI Service Bulletin 388**

**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**

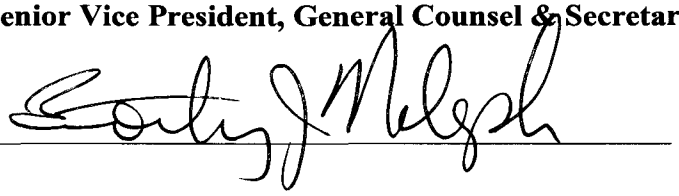
**Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.**

**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*****:**

**Certain 2009 – 2011 MCI D series coaches equipped with LED interior lights manufactured by TCB Enterprises and with either a Vansco or IO multiplex system.**

**Make(s):** **MCI**

**Model Years and Models Involved:**

| | Model Year | | | |
|---|---|---|---|---|
| **Model** | **2009** | **2010** | **2011** | **Total** |
| **D4000** | **5** | **7** | **9** | **21** |
| **D4500** | **147** | **57** | **67** | **271** |
| **D4505** | | **20** | | **20** |
| **Total** | **153** | **84** | **76** | **312** |

**Production Dates:** **Beginning: May 2008** **Ending: July 2011**

**VIN Range:**

| Coach Model | Model Year | VINs | Qty |
|---|---|---|---|
| D4000 | 2009 | 58909, 58911, 58913, 58915, 58917 | 5 |
| D4000 | 2010 | 59234-59238, 59361, 59362 | 7 |
| D4000 | 2011 | 59625-59633 | 9 |
| D4500 | 2009 | 58631-58636, 58638, 58640, 58642, 58644, 58646, 58648, 58650, 58652, 58654, 58656, 58658, 58660, 58678, 58680-58684, 58686, 58688, 58690, 58692-58694, 58696-58706, 58708, 58710, 58712, 58714-58716, 58720-58731, 58774, 58811-58835, 58861, 58862, 58874, 58892, 58992-58994, 59027-59046, 59080, 59092-59097, 59099-59123, 59130-59132 | 147 |
| D4500 | 2010 | 59206, 59302-59306, 59318-59366, 59405-59414, 59416-59438, 59481, 59485, 59568, 59569, 59583-59586 | 57 |
| D4500 | 2011 | 59616-59624, 59636-59652, 59690-59693, 59698-59701, 59721-59741, 59817-59828 | 67 |
| D4505 | 2010 | 59212, 59214-59219, 59270, 59446-59457 | 20 |
| Total | | | 312 |

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

**The recalled vehicles are certain 2009 - 2011 MCI D series coaches that are equipped with LED interior lights manufactured by TCB Enterprises and powered by either a Vansco or IO 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.**

**Approximately 27%.**

## II. Identify the Recall Population

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

**Total Number Potentially Affected by the Recall: 312**

**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 II.3.**

**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:**

**MCI determined the recall population by identifying the motor coaches containing LED interior lights and either a Vansco or IO 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 interior LED lights in the affected vehicles are connected through a fuse block terminal and splice clip connector as part of the light power circuit. MCI has determined that when the LED lights are in operation the power draw from the LED lights may exceed**

**the design limits of the fuse block terminal and the splice clip connector. In this situation, excessive heat may build up at the fuse block and connector that may cause the components to melt.**

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

**Failure of the fuse block terminal and splice clip connector is caused by an excessive power draw from the interior LED lights that exceed the design limits of the components.**

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

**If the fuse block terminal and splice clip connector suffer thermal damage from excessive heat, they may degrade to the point where the components will burn and potentially cause damage to surrounding materials in the parcel rack and could cause personal injury or property damage.**

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

**The LED lights may not function properly if thermal damage to the fuse block terminal or splice clip connector occurs. Flickering and/or non-functioning lights may be evident.**

**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 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, and warranty claims.**

**On May 11, 2012, MCI received a customer report of two occurrences involving the electrical fuse block located in the right hand parcel rack. Investigation revealed that the fuse block had melted where the connection to the circuit providing power for the interior light is made. On May 14, 2012, MCI received a report from another customer advising that one of its coaches had experienced failure of the interior window lights, a burning smell, and indications that the power splice connector had burned.**

**MCI investigated the affected vehicles and conducted current measurements on the interior light power circuits. As a result of its investigation, MCI determined that the current draw by the LED interior light is in excess of the design limit of the fuse block terminal and the power splice connector, and that the excessive current draw was the most probable cause for the failure of the reported components. MCI decided to conduct a recall to repair the affected vehicles with a new design as described in section V.8. below.**

**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 has re-designed the wiring to replace the existing interior light power circuit. The new wiring design uses two separate inline fuses, increases the number of relays from two to four, and eliminates the splice clip connector. MCI will remedy the affected coaches at no cost to customers by replacing the fuse block terminal and slice clip connector with new wiring, two separate in-line fuses, and new relays.**

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

**The new wiring design eliminates both the fuse block and the splice clip connector from the interior light power circuit, and doubles the number of wiring relays used.**

**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.**

**A correction in production was not necessary in view of MCI introducing a new multiplex system in July 2011, in which the interior lights are powered from the mux modules output and no longer use the fuse block or the splice clip connector.**

## 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 will submit its proposed customer notification letter and Service Bulletin 388 under separate cover.**

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