

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

11V-099
(7 Pages)

On February 14, 2011, Diamond Coach Corporation decided that potential safety defect issue related to motor vehicle safety exits 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:

February 14, 2011

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

CAR-11-1

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled.

Diamond Coach Corporation

2300 West 4th

Oswego, KS 67356

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

Will Tucker – Engineering Manager

Telephone Number:

620-795-2191 ex 14

Fax Number:

620-795-4816

Name and Title of Person who prepared this report.

Will Tucker – Engineering Manager

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:

Make: Diamond

Model Years Involved: 2006-2010

Model: N/A

Production Dates: Beginning: January 1, 2006 Ending: December 31, 2010

VIN Range: Beginning: N/A Ending: N/A

Vehicle Type: N/A Body style: N/A

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall: Reference NHTSA recall #11E-003. Diamond buses fitted with Carrier GEN V EM-1 evaporator units with part numbers 77-62112-xx and 77-62512-xx, manufactured between January 2006 and December 2010, starting with serial number KNT90890232 ending with serial number NNE912230058.

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.

1718 total buses produced between January 2006 and December 2010.

1320 buses sold with these evaporators installed.

$1320/1718 = 77\%$ of all production in range is possibly affected.

II. Identify the Recall Population

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

Number of Vehicles

Model Year Potentially Involved

2006-2010

Total Number Potentially Affected by the Recall:

1320 (1254 US, 66 Canadian)

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

77% of all production in range is possibly affected.

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:

Reference NHTSA recall #11E-003.

Diamond buses fitted with Carrier GEN V EM-1 evaporator units with part numbers 77-62112-xx and 77-62512-xx, manufactured between January 2006 and December 2010, starting with serial number KNT90890232 ending with serial number NNE912230058.

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.**

Carrier recall 11E-003 states “Certain models of EM-1 Units manufactured by Carrier contain an Allied Motion motor assembly with a Delphi Corporation (“Delphi”) Pack-Con III fuse holder. With time, temperature, and/or vibration, the fuse may loosen in the fuse holder resulting in high resistance and arcing. If sufficient arcing occurs, the fuse holder may melt or ignite, in such case smoke or flame could propagate within the EM-1 Unit.”

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

Carrier recall 11E-003 states “With time, temperature, and/or vibration, the fuse may loosen in the use holder resulting in high resistance and arcing.”

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

Carrier recall 11E-003 states “If sufficient arcing occurs, the fuse holder may melt or ignite, in such case smoke or flame could propagate within the EM-1 Unit.”

Identify any warning which can occur.

Carrier recall 11E-003 states “With time, temperature, and/or vibration, the fuse may loosen in the use holder resulting in high resistance and arcing.”

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

Carrier Transicold
50 Grumbacher Road
York, PA 17402

Identify the name and title of the knowledgeable representative of the supplier:

Robert S. Picker
Manager Service/Warranty
Carrier Transicold

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.**

February 7, 2011 – Diamond received certified letter from Carrier Transicold advising them of recall 11E-003.

February 14, 2011 – Diamond submits this 573-report and customer letter to NHTSA.

Diamond has had no reports, accidents, injuries, fatalities, or warranty claims that can be attributed to 11E-003.

- 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.**

Carrier recall 11E-003 states “Carrier has conducted a root cause analysis and developed a retrofit to address this potential safety issue. It was determined that a more robust fuse holder design was required to prevent relaxation of the fuse holder contacts over time. Carrier and its supplier of the motor assembly have procured a new fuse holder of a more robust design, not subject to the same issues as the Delphi Pack-Con III fuse holders.”

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

Carrier recall 11E-003 states “a more robust fuse holder”

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.

Carrier units installed by Diamond January 1, 2011 and after have been remedied by Carrier.

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.

February 14, 2011 – Diamond submits this 573-report and customer letter to NHTSA.

February 21, 2011 – NHTSA approves customer letter and assigns Diamond a recall number for this Carrier defect.

February 22, 2011 -Diamond sends NHTSA approved customer letter in Word format and customer information in Excel format to Carrier for customer notification and reporting requirements.

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.

1. 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.