



Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Responsibility and Reports (1)

On October 15th, 2009, Glaval Bus in conjunction with Carrier Corporation [MFR] 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 Responsibility and Reports.

Date this report was prepared: **October 15th, 2009.**

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

- 1. Identify the full corporate name of the fabrication 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.

Glaval Bus, A Division Of Forest River, Inc.

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

Rob Froelich; Design Engineer

Telephone Number: **(574) 262-2212 ext. 3665** Fax Number: **(574) 264-9036**

Name and Title of Person who prepared this report:

Rob Froelich
Design Engineer

Signed:

OFFICE OF DEFECTS INVESTIGATION
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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. George Person at (202) 366-5210 or by FAX at (202) 366-7882.

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:

****Please see attached documentation labeled "Supplement Documentation" ****

Make(s): _____ Model Years Involved: _____ Model(s): _____

Production Dates: Beginning _____ Ending: _____

VIN Range: Beginning: _____ Ending: _____

Vehicle Type: _____ Body style: _____

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

Make(s): _____ Model Years Involved: _____ Model(s): _____

Production Dates: Beginning _____ Ending: _____

VIN Range: Beginning: _____ Ending: _____

Vehicle Type: _____ Body style: _____

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

Make(s): _____ Model Years Involved: _____ Model(s): _____

Production Dates: Beginning _____ Ending: _____

VIN Range: Beginning: _____ Ending: _____

Vehicle Type: _____ Body style: _____

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

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.

Vehicles produced during recall timeline: 1,161 _____

Vehicles involved in recall: 18 USA; 42 Canada – Total Of 60 Units _____

Percentage of recalled vehicles vs. produced: 5.168% _____

II. Identify the Recall Population

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

Vehicles Model	Year	Number of Potentially Involved:
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****Please see attached documentation labeled "Supplement Documentation" ****

Total Number Potentially Affected by the Recall: 60

- 4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 100%

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:

NHTSA supplied us the unit type (K410), part numbers (77-62198-00, 77-62198-98, 77-62198-99 and manufacturing dates between May 2008 and September 2009. We (Glaval) then cross-referenced this information to link the recall condition condensers to the buses.

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 defect is the existing over-current protection (circuit breaker) may not be sufficient to allow a safe failure mode for the three fans.

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

If there is restriction to the normal operation of one or more of K410's three fans, the existing over-current protection (circuit breaker) may not be sufficient to allow a safe failure mode which could lead to the overheating of certain wires.

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

If the existing over-current protection (circuit breaker) does not sufficiently allow a safe failure mode, overheating of certain wires can lead to a potential fire hazard.

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

Glaval knows of no warning that can precede or occur, and Carrier has no information available in their letter to NHTSA to accommodate this.

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

Carrier Corporation
One Carrier Place, Farmington, CT 06034

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

Shelley Finger, Senior Counsel, Carrier Corporation

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.

On September 2nd, 2009, Carrier was notified by Chittenton Bus Service that the fiberglass cover of a K410 unit mounted on the roof of a bus appeared to have suffered damage from exposure to heat. There were no reports of injury to persons resulting from this incident.

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. A description of the manufacturer's program for remedying the defect or noncompliance. This program shall include a plan for reimbursing an owner or purchaser who incurred costs to obtain a remedy for the problem addressed by the recall within a reasonable time in advance of the manufacturer's notification of owners, purchasers and dealers, in accordance with §573.13 of this part. A manufacturer's plan may incorporate by reference a general reimbursement plan it previously submitted to NHTSA, together with information specific to the individual recall. Information required by §573.13 that is not in a general reimbursement plan shall be submitted in the manufacturer's report to NHTSA under this section. If a manufacturer submits one or more general reimbursement plans, the manufacturer shall update each plan every two years, in accordance with §573.13. The manufacturer's remedy program and reimbursement plans will be available for inspection by the public at NHTSA headquarters.

The remedy consists of the addition of a 15 amp inline fuse installed in each of the three fan's circuits. The addition of such fuse would open the circuit in the event a fan's malfunction results in an over current condition.

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

The remedied component will have a fuse installed inline of each of the three fan's wiring.

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 has stopped all direct sales of the K410 until this retrofit can be incorporated in the unit.

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.

Glaval plans to mail the end users and dealers the week of October 26th, 2009, dependant upon approval of "End User Letter" submitted to NHTSA with this document.

11. Furnish Recall Communications

12. 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 579.5 requirements.

We have not made any attempt to communicate with the dealers/end user's to date without approval of our end user letter from NHTSA.