

**SAFETY DEFECT AND NONCOMPLIANCE REPORT GUIDE FOR VEHICLES
PART 573 - DEFECT AND NONCOMPLIANCE REPORT¹****11V-525
(7 Pages)**

On August 10, 2011, Nova Bus decided that a defect which relates to motor vehicle safety) (a noncompliance with Federal Motor Vehicle Safety Standard No. N/A) exists in items of motor vehicle equipment listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 **Defect and Noncompliance Responsibility Reports.**

a. **Date this report was prepared:** October 24, 2011

b. **Furnish the manufacturer's identification code for this recall (if applicable):** CR1696

c. **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.**

Nova Bus, a division of Volvo Group Canada, 1000 Industriel Blvd, Saint-Eustache, Quebec, J7R 5A5, Canada

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

Claude Dépeault, Nova Bus Warranty & Publications Manager

Telephone Number: 450 472-6410

Fax No.: 450 472-5560

e. **Identify, by name and title, the person who prepared this report.**

Chantal Rodrigue, technical writer

Telephone Number: 450 472-6410 ext. 6515

Fax No.: 450 472-5560

Signed: _____

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.

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.

II. Identify the Vehicle Models Involved in the Recall

- a. 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): Nova Bus Model year(s): 2010 Model(s): Nova LFS

Production Dates: Beginning: September 1, 2010 Ending: December 31, 2010

VIN Range: See Annex at the end of section for a complete list of targeted VINs.

Vehicle Type: Transit bus Bodystyle: 40 ft / 60 ft vehicles

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

A Nova Bus supplier, Cummins Inc. (and one of its separate business units, Cummins Emission Solutions) has reported a default on a part it is supplying.

- b. 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. 100%

III. Identifying the recall population

- a. Furnish the total number of items of equipment recalled potentially containing the defect or noncompliance.

Model	Year	Number of Items Potentially Involved
Nova LFS	2010	20

Total Number Potentially Affected by the Recall: 20 US vehicles

- b. Furnish the approximate percentage of the total number of items of equipment estimated to actually contain the defect or noncompliance: 100%

- c. 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 items of equipment.

A Nova Bus supplier, Cummins Inc. (and one of its separate business units, Cummins Emission Solutions) has reported a default on a part it is supplying, shipped with 2010 Cummins ISB6.7, ISC8.3, ISL9, ISX I 1.9 and ISX15 engines from September 2010 through December 2010.

IV. Describe the defect or noncompliance

- a. **The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.**

A Nova Bus supplier, Cummins Inc. (and one of its separate business units, Cummins Emission Solutions) has reported a default on a part it is supplying. V-band clamps used to connect the inlet and outlet cone sections to the Diesel Oxidation Catalyst (DOC)/Diesel Particulate Filter (DPF) include a T-bolt, which can fracture and fail when subjected to stress or load.

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

According to the supplier, an error was committed during the plating process the T-bolts.

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

A fracture or failure of the T-bolt may cause the clamp to loosen and the inlet or outlet sections attached to the DOC/DPF housing to disconnect. Should this occur, hot exhaust gases can vent prior to exiting the tailpipe, creating a risk of combustion or damage to adjacent materials, which could result in a vehicle fire. If both clamps fail, the DOC/DPF housing could detach completely, separate from the vehicle, and strike another vehicle, stationary object, or bystander. These issues could result in property damage and/or personal injury.

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

In the event of a failure, the engine tell-tale on the dashboard will illuminate.

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

Cummins Inc., 500 Jackson Street, Columbus, IN 47201 USA,

Cummins Inc. identifies the supplier of the possibly defective component as:

R.G. Ray Corporation, 900 Busch Parkway, Buffalo Grove, IL 60089,

- f. **Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:**

Cummins: Mr Steven R. Butler, Director - Product Safety

R.G. Ray Corporation: Mr. Keith Hadjuk,

Provide the Chronology in Determining the Defect/Noncompliance

If the recall is for a defect, complete item a, otherwise item b.

- g. 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.**

N/A

- h. 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

- 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**

Nova Bus will notify customers targeted by this campaign of this defect and the potential safety consequences. Nova Bus will also release Nova Bus will release a document (CR1696A) explaining the replacement procedure, provided by Cummins.

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

Cummins will install new V-Band clamps, without charge, through its service network.

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

The new clamps will be recognizable by new part numbers.

- d. **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.**

According to the supplier, all parts furnished after targeted date of production are adequate. Therefore, all buses manufactured by Nova Bus after targeted date are equipped with adequate V-band clamps.

VI. Identify the Recall Schedule

- a. **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.**

Nova Bus will send a defect notification to all targeted customers to inform them of this defect and the potential safety consequences. The notification will be forwarded to the customers as soon as it has been review and approved by the NHTSA.

VII. Furnish Recall Communications

- a. **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: These documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.

The Privacy Act of 1974 - Public Law 93-579, As Amended: This information is requested pursuant to the authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used to assist the NHTSA in determining whether a manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administration enforcement or litigation against a manufacturer, your response, or statistical summary thereof, may be used in support of the agency's action.