

Safety Defect and Noncompliance Report Guide for Equipment  
**PART 573 Defect and Noncompliance Report<sup>1</sup>**

On November 20, 2009, Nova Bus decided that a defect which relates to motor vehicle safety) (a noncompliance with Federal Motor Vehicle Safety Standard No. \_\_\_\_\_) 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 Reports.

Date this report was prepared: May 6, 2010

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

1. Identify the full corporate name of the fabricating manufacturer/brand name/trademark owner of the recalled item of equipment. If the recalled item of equipment 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

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

Jean Fournier, Nova Bus Warranty & Publications Manager

Telephone Number: 450 472-6410 ext. 6610

Fax No.: 450 472-5560

Name and Title of Person who prepared this report: Chantal Rodrigue, technical writer

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<sup>1</sup>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 Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5226 or by FAX at (202) 366-7882.

## **I. Identify the Recalled Items of Equipment**

**1. Identify the Vehicles involved in the Recall, for each make and model or applicable vehicle line :**

**Type:** Transit Bus      **Make:** Nova Bus      **Model Years Involved:** 2009

**Model(s):** Nova LFS

**Production Dates: Beginning:** January 26, 2007

**Ending:** December 14, 2009

**VIN of targeted US vehicles:**

(See Annex at the end of this document for complete VIN list).

2NVYL82U394000002

2NVYL82U594000003

2NVYL82U793000397

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

Only 40-ft T-Drive Nova LFS buses equipped with a specific engine cradle (Nova Bus part number N47916) are being recalled.

**2. Identify the items of equipment involved in this recall, for each make and model or applicable item of equipment product line (provide illustrations or photographs as necessary to describe the item of equipment) :**

**Generic name of the item:** Engine cradle

**Make:** N/A

**Model:** N/A

**Part Number:** N47916

**Size:** N/A

**Function:** Used for the installation of the powertrain assembly.

**Other information which characterizes/distinguishes the items of equipment to be recalled:**

For installation of Cummins ISL or ISB engine mounted with Allison EV40 Electric Drive, Voith or ZF Transmission (Nova Bus options 409103.05, 409103.06, 409103.07)

3. 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. 100 %

## II. Identifying the Recall Population

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

| Model                  | Year | Number of Items Potentially Involved |
|------------------------|------|--------------------------------------|
| Nova LFS 40 ft T-Drive | 2009 | 3 in US<br>471 in Canada             |

Total Number Potentially Affected by the Recall: 3 vehicles in US  
471 vehicles in Canada

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

4. 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.

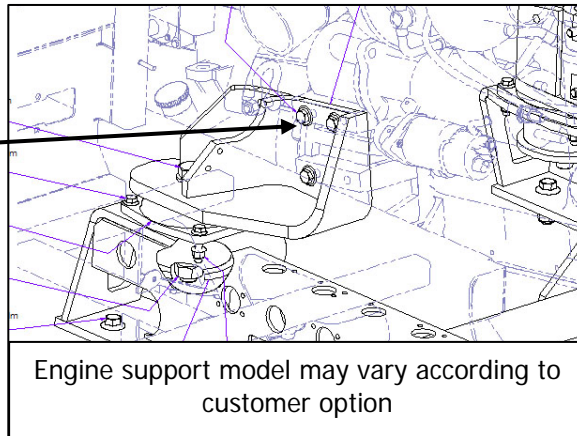
All 40-ft Nova LFS with engine cradle part of Nova Bus options 409103.05, 409103.06 or 409103.07), installed between January 26, 2007 and December 14, 2009.

### **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 bolts that hold the rear engine supports to engine are not torqued to the proper specifications.

Engine support bolts - **8X**  
(4 bolts per engine support)



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

The bolts on the engine cradle were not torqued according to appropriate specifications. The wrong specifications were indicated on installation drawing.

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

The bolts can be worn prematurely and break off.

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

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.**

#### **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.**

N/A

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.**

The manufacturer (Nova Bus) will emit a document (CR1445A) that will include the procedure to replace the bolts with new identical ones to make sure the old ones did not suffer premature use, and to torque them to the adequate value.

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

Same part, different torque value applied.

10. **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.**

Starting November 26, 2009, with order L496, the torque value was changed on the installation drawing and the new torque value started being applied.

## **VI. Identify the Recall Schedule**

11. 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.

N/A

## **VII. 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: 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.*