

Safety Defect and Noncompliance Report Guide for Equipment
PART 573 Defect and Noncompliance Report¹10V-324
(7 Pages)

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. 121) 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: July 12, 2010

Furnish the manufacturer's identification code for this recall (if applicable): CR1505

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 Industrial 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

¹Each 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:** 2007 to 2010

Model(s): Nova LFS (40/60 ft)

Production Dates: Beginning: April 7, 2007 **Ending:** June 30, 2010

VIN of targeted US vehicles:

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

Only vehicles equipped with Bendix ABS/ATC valves and V-BEA multiplexing system 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: V-BEA program

Make: N/A

Model: N/A

Part Number: N/A

Size: N/A

Function: Program for the multiplexing system.

Generic name of the item: Engine ECU program

Make: Cummins

Model: N/A

Part Number: N/A

Size: N/A

Function: Cummins Engine ECU program.

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

N/A

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. 99 %

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 40/60 ft	2007 - 2010	139 in US 2071 in Canada

Total Number Potentially Affected by the Recall: 139 vehicles in US
2071 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 vehicles equipped with Bendix ABS/ATC valves and V-BEA multiplexing system are being recalled. Those vehicles have been manufactured since April 2007. Vehicles manufactured after June 30 2010 have been programmed adequately during production.

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.**

On vehicles targeted by this campaign, there may be interference within the V-BEA multiplex communication network.

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

Whenever the parking brake, or the vehicle's brake interlock is applied, the ATC system's sensors could falsely detect the movement of a wheel. The ATC system could misinterpret this situation as wheel spin, subsequently applying and releasing the applied brakes. The vehicle could then move unexpectedly.

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

A vehicle may move inadvertently, even when the parking brake is applied, which may result in an accident. Such an occurrence could possibly cause serious damage to the vehicle, and most importantly, injure anyone inside the vehicle (passengers, driver) or anyone close by (motorists, pedestrians, etc.)

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.

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 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.**

This defect was first noticed on vehicle L454, as the bus rolled 1 foot with the parking brake applied. A complaint was filed and a Nova Bus report (7621-151) was created on 2010-06-30.

- 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.**

Nova Bus will issue a document (CR1505A) that will include the reprogramming procedure for the V-BEA multiplex system and the reprogramming procedure for the engine ECU. This will eliminate the interference within the V-BEA multiplex communication network.

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

The brake signal sent to J1939 will be broadcast by the V-Bea system instead of the Cummins ECU.

- 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 June 30, 2010, vehicles have been programmed with the correct V-BEA multiplex program and ECU.

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.