

**SAFETY DEFECT AND NONCOMPLIANCE REPORT GUIDE FOR VEHICLES
PART 573 - DEFECT AND NONCOMPLIANCE REPORT¹**

On June 6, 2012, Nova Bus decided that a defect which relates to motor vehicle safety) (a noncompliance with Federal Motor Vehicle Safety Standard No. **105**) 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:** July 6, 2012
- b. **Furnish the manufacturer's identification code for this recall (if applicable):**
CR1875A
- 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, Director, Business Partner Culture
Telephone Number: 450 472-6410 ext. 6114 **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):** 2012 **Model(s):** Nova LFS

Production Dates: Beginning: _____ **Ending:** _____

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

Vehicle Type: Transit bus **Bodystyle:** 60-ft vehicles

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

Vehicles equipped with a Bendix E-10 brake pedal and manufactured between July 27 2011 to May 18 2012 are included in the recall.

- 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 60 ft	2012	15

Total Number Potentially Affected by the Recall: 15 in US

- b. Furnish the approximate percentage of the total number of items of equipment estimated to actually contain the defect or noncompliance: 10%

- 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.

The manufacturer of the recalled part, Bendix Commercial Vehicle Systems LLC, reported that an unapproved manufacturing modification at a Bendix sub-supplier has led to the potential defect. Thus, the recall population was determined by the manufacturer of the part (the list of targeted vehicles has been determined based on the part production schedule, supplied by Bendix - from July 27th 2011 to May 18th 2012). The brake valves containing the possibly defective part were installed on Nova vehicles between October 6, 2011 and April 4, 2012.

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.**

The item of equipment containing the defect is the brake valve plunger used in a variety of foot brake valves models, including the E-10 brake pedal installed on Nova LFS buses.

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

The modification resulted in a thin wall section that can potentially develop a fracture during a brake application, resulting in reduced brake pedal angle and travel.

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

In a situation of defect, the operator may be incapable of braking at full capacity and the vehicle risks being involved in an accident, causing bodily injury to those persons inside the vehicle (operator and passengers) and outside the vehicle (other road users and pedestrians, etc.). In addition, the plunger could become stuck and prevent the release of the service brake.

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

No warning would occur.

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

Bendix Commercial Vehicle Systems LLC, 901 Cleveland Street, Elyria, Ohio 44035

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

Rafael Dominguez, Director, Quality & Product Safety

V. Provide the Chronology in Determining the Defect/Noncompliance

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

- a. **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

- b. **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

VI. 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**

Bendix will reimburse any owner of a vehicle equipped with a affected brake valve plunger who incurred the cost of replacing the plunger - after May 18, 2012 and up to the date that is ten calendar days following the completion of the formal customer notification identified above specifically to address the defect identified in this Defect Report.

- 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.**

The plunger of the E-10 brake valve will be replaced on those vehicles targeted by this campaign. A defect notification will be issued advising clients of the potential defect and a service document (CR1875E), which includes the replacement procedure, will be distributed.

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

The replacement plunger will be manufactured according to specifications and will not contain a thin wall section.

- 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.**

The vehicles manufactured after the targeted date, set by Bendix, are equipped with a brake valve that conforms to specifications.

VII. 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.**

N/A

VIII. 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 93-5 79, 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 maybe 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.

IX. Annex - Vehicle Identification Number targeted by recall Campaign CR1875E

4RKYS92U2C4
4RKYS92U4C4
4RKYS92U6C4
4RKYS92U8C4
4RKYS92UXC4
4RKYS92U1C4
4RKYS92U8C4

4RKYS92UXC4
4RKYS92U1C4
4RKYS92U3C4
4RKYS92U5C4
4RKYS92U7C4
4RKYS92U9C4
4RKYS92U0C4

4RKYS92U2C4