

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

05V-073

On February 18, 2005, ProAir, LLC (MFR) decided that (a defect which relates to motor vehicle safety) (a noncompliance with Federal Motor Vehicle Safety Standard No. \_\_\_\_\_) 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 Reports.

Date this report was prepared: February 18, 2005

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

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name, mailing address, and telephone number of the designated agent as prescribed by 49 U.S.C. §30164.

Glaval Bus Division of Forest River, Inc., P. O. Box 3030, Elkhart, Indiana 46515  
VSV Group, Inc., Goshen Coach Division, P. O. Box 4226, Elkhart, Indiana 46514  
Herr Display Vans, Inc., 3328 Louis Sherman Drive, Steger, Illinois 60475

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.  
Marc Dunderman, Vice-President of Operations

Telephone Number: (574) 970-0744

Fax Number: (574) 264-2194

Name and Title of Person who prepared this report.  
Marc Dunderman, Vice-President of Operations

Signed: 

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OFFICE OF  
DEFECTS INVESTIGATION

<sup>1</sup>Each manufacturer must furnish a report to the Associate Administrator for Enforcement for each defect or noncompliance condition in its vehicles which relate 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) 366-5227 or by FAX at (202) 366-7882.

I. Identifying 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:

Make(s): Chevrolet Model Years Involved: 2004/2005 Model(s): 6.6L Duramax Titan

Production Dates: Beginning: 4-01-04 Ending: 12-31-04

VIN Range: Beginning: 4F510017 Ending: 5F512401

Vehicle Type: shuttle bus Bodystyle: shuttle bus

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

Suspect vehicles are any in range possessing a BSI2999 or 20099 compressor mount system

Make(s): \_\_\_\_\_ Model Years Involved: \_\_\_\_\_ Model(s): \_\_\_\_\_

Production Dates: Beginning: \_\_\_\_\_ Ending: \_\_\_\_\_

VIN Range: Beginning: \_\_\_\_\_ Ending: \_\_\_\_\_

Vehicle Type: \_\_\_\_\_ Bodystyle: \_\_\_\_\_

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: \_\_\_\_\_ Bodystyle: \_\_\_\_\_

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. 34%



III. Identifying 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.

Original equipment ("OE") power steering hose has the potential to rub against OE brake lines as they enter anti-lock brake system

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

When installing the 20099 or 2999 mount systems, the OE power steering pump is moved down and relocated. This movement of the pump location has the potential of placing the power steering hose in contact with the brake lines. This contact, coupled with engine vibration, may cause the brake lines to wear.

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

In the case of a brake line rub through, brake fluid is lost and brake function is diminished and could be lost.

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

Rub through warning signs should be evident during OE-recommended, regular scheduled maintenance sessions.

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

Bracketry Systems, Inc.  
8785 Harman Road  
Fort Worth, Texas 76177

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

Will Hughes, President

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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 limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

On February 18, 2005, we received verbal notice from Glaval Bus about four problems, which were described as potential "brake line rub throughs".

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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.

Glaval Bus dealers apparently contacted Glaval Bus about possible brake line rub through. The date of first contact by the dealers was, according to Glaval Bus, February 16, 2005.

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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.

According to Bracketry Systems installation work instruction memorandum (Revision 1-21-2005, page 6, step 25): "Install one C-5838 hose clamp around radiator support rod. Install one C-3438 hose clamp around power steering hose and connect to other clamp using one BM-1.25x20 W/FW-LW and nut." The remedy is a permanent solution as it securely holds the power steering hose away from the brake lines.

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

The recalled assembly has the potential to allow the power steering hose to rub against the brake lines. The remedy permanently eliminates the possibility of contact between the two lines.

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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.

We are currently not using either the 2999 or 20099 mounts. The mount system has been revised by Bracketry Systems, Inc. to include a clamp, nut and bolt to permanently hold the hose away from the brake lines. Pictures and detailed instructions are provided by Bracketry Systems and are attached as exhibits.

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## VI. Identify the Recall Schedule

Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify and foreseeable problems with implementing the recall.

Notification will begin immediately upon approval. ProAir, LLC sent a representative to Florida, where some affected vehicles are located, to begin the process of inspection and verification of previously installed mount systems.

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## VII. Furnish Recall Communications

9. Furnish a final copy of all notes, 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 573.8 requirements.

February \_\_\_\_\_, 2005

End User

RE: Recall on VIN \_\_\_\_\_ for Possible Rub-Through of Brake Lines

Dear Valued ProAir Customer:

This notice is sent to you in accordance with the requirements of the National Highway Traffic and Motor Vehicle Safety Act.

Within the last few days, ProAir became aware of a potentially rub-through condition on the brake lines on your vehicle (Chevrolet 5500 chassis with 6.6 L Diesel Engine). This condition can be caused by one of the power-steering hoses which was relocated when the mount kit for the second air-conditioning compressor was installed.

***This condition could result in partial or total failure of your vehicle's braking system.***

To correct this situation, ProAir is providing instructions on how to check whether the brake lines have been rubbed through (either partially or entirely) and how to prevent the condition.

***Your vehicle must be inspected immediately.***

If the brake lines and/or power-steering hose have been damaged, do *not* drive the vehicle. Have the vehicle towed to the nearest General Motors dealership for replacement of damaged parts and *then* have the linestakes installed according to the enclosed instructions.

If the brake lines and/or power-steering hose have *not* been damaged, the included linestakes should nonetheless be installed according to the instructions.

Please contact ProAir's customer service department (800-338-8544 or 574-264-5494 x 118 or x 119) to receive authorization for any claims you may wish to submit for labor, parts, and/or towing. Before giving an authorization number, we require the vehicle identification number (VIN); we would also like to have the mileage and the retail purchase date (the date the vehicle first went into service). In addition, please sign and return the enclosed recall-completion form.

We regret any inconvenience which this action may cause you. However, we are concerned about your safety. If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call 1-888-DASH-2-DOT (1-888-327-4236). (Washington DC residents use 1-202-366-0123.)

Thank you for your attention to this important matter.

Sincerely,

ProAir Customer Service Department



