

FREIGHTLINER®
LLC
A DaimlerChrysler Company

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DELETED INFORMATION

Timothy A. Blubaugh
Director
Government Technical Affairs

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May 17, 2006

Dan Smith
Associate Administrator for Vehicle Safety
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

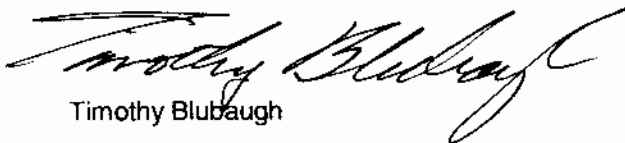
**Re: Defect Information Report – supplemental information
(FL-472), NHTSA no. 06V-085, Slow Park Brake Application on C2 School Bus**

Mr. Smith:

In accordance with Part 573 of Title 49 of the Code of Federal Regulations, Freightliner LLC herewith submits supplemental defect information and copies of documents to be distributed to dealers and purchasers.

Please contact me if you have any questions.

Sincerely yours,



Timothy Blubaugh

Cc: Michael Mason, CAL-OSHA
DOSH, Legal Unit
10th Floor
455 Golden Gate Avenue
San Francisco, CA 94102

Enclosure

Certified Mail Article Number: 7003 2260 0001 3403 4513

Section 573.6 Defect Information Report
FL-472, Slow Park Brake Application on C2 School Bus; NHTSA no. 06V-085
Supplement No.: 02

May 17, 2006

(c) (1) Manufacturer: FREIGHTLINER LLC
P.O. BOX 3849
Portland, Oregon 97208
(503) 745-5219

(c) (3) Total number of vehicles potentially affected: 211

(c) (9) Communications sent to dealers: posted May 5, 2006
Communications sent to owners: mailed May 12, 2006

Subject: Slow Parking Brake Application

Models Affected: Specific Freightliner Custom Chassis B2 (Thomas Built Buses C2) school bus chassis manufactured between June 17, 2004, and February 23, 2006, with a single valve parking brake system and interlock (vehicles with air brakes or hydraulic brakes).

General Information

Freightliner LLC, on behalf of its wholly owned subsidiary, Freightliner Custom Chassis Corporation, has decided that a defect which relates to motor vehicle safety exists on the vehicles mentioned above.

There are approximately 200 vehicles involved in this campaign.

A relay valve in the air manifold unit may become suspended before exhausting all of the air from the parking brake chamber. Partial application of the parking brakes occurs within approximately two seconds. Full application of the parking brakes may be delayed. Heavier vehicles may roll if the driver releases the service brakes before the parking brakes fully apply. A moving bus may cause property damage or injure passengers entering or leaving the bus.

A check valve will be installed to reduce the time needed for the parking brake to fully apply by adding an exhaust path around the relay valve. **IMPORTANT: This recall involves a small number of vehicles. Do not over-order kits.**

Additional Repairs

Dealers must complete all outstanding recall campaigns prior to the sale or delivery of a vehicle. A Dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from its failure to complete campaigns within a reasonable time after receiving notification.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR260).

Replacement Parts

Replacement kits are now available and can be obtained by ordering the kit number(s) listed below from your facing Parts Distribution Center. **IMPORTANT: This recall involves a small number of vehicles. Do not over-order kits.**

If our records show your dealership has ordered any vehicles involved in campaign number FL472A, a list of the customers and vehicle identification numbers will be available on AccessFreightliner.com. Please refer to this list when ordering parts for this recall.

Recall Campaign

May 2006
FL472A
NHTSA #06V-085

Table 1 - Replacement Kits for FL472A

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Suggested Wholesale*
FL472A	25-FL472-000	Check Valve	BW 800373	1 ea	\$94.34 U.S. \$118.37 CAN
		Conn, 3/8NYL X 3/8FPT	SMC KV2F11 36	1 ea	
		90 Degree Elbow, 3/8NYL X 3/8 X 3/8	SMC KV2L11 36S	1 ea	
		T-Union, PTC, 3/8 X 3/8 X 3/8	SMC KV2T11 00	2 ea	
		Hose Clamp, SGL, CUSH, 938DIA	UMP 546415	1 ea	
		Nylon Tubing, 3/8, BLK, REINF, BRAKE	PH PFT63 BLK100	4 in	
		Completion Sticker	WAR260	1 ea	

* Please charge all Direct Warranty Customers the above-listed price for the kit, as they are authorized to perform their own Recalls.

Table 1

Removed Parts

Please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts.

Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Damage Code
FL472A	Install check valve	0.3	996-0678A	000-Modifiedx

Table 2

IMPORTANT: When the recall has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the red completion sticker provided in the recall kit (Form WAR260). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle and first attach the base completion label (Form WAR259). If a recall kit is not required or there is no completion sticker in the kit, write the recall number on a blank sticker and attach it to the base completion label.

Claims for Credit

You will be reimbursed for your parts, labor, and handling by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in QuickClaim®:

- Claim type is **Recall**.
- In the FTL Authorization field, enter the campaign number and appropriate condition code (**FL472A**).
- In the Primary Failed Part Number field, enter **25-FL472-000**.
- In the Parts field, enter the appropriate kit number(s) as shown in the Replacement Parts Table. **IMPORTANT: This recall involves a small number of vehicles. Do not over-order kits.**
- In the Labor field, first enter the appropriate SRT from the Labor Allowance Table. For administrative time, enter SRT 939-0010A for 0.3 hours.

- **Reimbursement for Prior Repairs.** When a customer asks about reimbursement, please do the following.
 - Accept the documentation of the previous repair.
 - Make a brief check of the customer's paperwork to see if the repair may be eligible for reimbursement. (See the "Copy of Owner Letter" section of this bulletin for reimbursement guidelines for this recall.)
 - Contact the Warranty Campaigns Department for a decision and authorization number.
 - Include the approved amount on your claim in sublet/outside purchases.
 - In the claim story, first note the authorization number and that the claim includes a reimbursement request.
 - Retain the documentation and provide it to Warranty Campaigns or Claims Processing if requested.
 - When your claim is paid, reimburse the customer the appropriate amount.

NOTE: ServicePro®/Service Advisor® must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

Contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, Web inquiry at [AccessFreightliner.com / Support / Submit an Inquiry](http://AccessFreightliner.com/Support/SubmitanInquiry), or the Customer Assistance Center at (800) 385-4357, after normal business hours, if you have any questions or need additional information.

To return excess kit inventory related to this campaign, U.S. dealers must submit a Parts Authorization Return (PAR) to the Memphis PDC. Canadian dealers must submit a PAR to their facing PDC. All kits must be in resalable condition. PAR requests must include the original purchase invoice number.

The letter notifying vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended (Title 49, United States Code, Chapter 301), requires the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The Act states that failure to repair a vehicle within 60 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 60 day period. Failure to repair a vehicle within a reasonable time can result in either the obligation to (a) replace the vehicle with an identical or reasonably equivalent vehicle, without charge, or (b) refund the purchase price in full, less a reasonable allowance for depreciation. The Act further prohibits dealers from selling a vehicle unless all outstanding recalls are performed. Also, any lessor is required to send a copy of the recall notification to the lessee.

Finally, the Act states that a remedy need not be provided without charge if the vehicle was bought by the first purchaser more than ten (10) calendar years before notice is given.

Recall Campaign

May 2006
FL472A
NHTSA #06V-085

Copy of Letter to Owner Subject: Slow Parking Brake Application

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

Freightliner LLC, on behalf of its wholly owned subsidiary, Freightliner Custom Chassis Corporation, has decided that a defect which relates to motor vehicle safety exists on specific Freightliner Custom Chassis B2 (Thomas Built Buses C2) school bus chassis manufactured between June 17, 2004, and February 23, 2006, with a single-valve parking brake system (vehicles with air brakes or hydraulic brakes).

A relay valve in the air management unit may become suspended before exhausting all of the air from the parking brake chamber. Partial application of the parking brakes occurs within approximately two seconds. Full application of the parking brakes may be significantly delayed. Heavier vehicles may roll if the driver releases the service brakes before the parking brakes fully apply. A moving bus may cause property damage or injure passengers entering or leaving the bus.

A check valve will be installed to reduce the time needed for the parking brake to fully apply by adding an exhaust path around the relay valve.

Repair kits are now available for authorized dealers to order. Contact your authorized dealer to arrange to have your vehicle(s) modified and to assure that parts are available at the dealer.

When you contact your dealer, refer to campaign number **FL472A**. Once kit(s) are received at the dealership, the modification will take approximately 45 minutes and will be performed at no charge to you.

IMPORTANT: When the recall has been completed, please ensure that a label has been affixed to your vehicle referencing **FL472A**.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

If you are not able to have the defect remedied without charge and within a reasonable time, which is not longer than 60 days after you tender the vehicle for repair, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time Monday through Friday, e-mail address WarrantyCampaigns@freightliner.com, or the Customer Assistance Center at (800) FTL-HELP or (800) STL-HELP, after normal business hours. You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 7th Street S.W., Washington, D.C. 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or to <http://www.safercar.gov>. If your vehicle is involved in the Canadian portion, you may wish to notify Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa, ON K1A 0N5, or phone (800) 333-0510.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Reimbursement to Customers for Repairs Performed Prior to Recall

If you have already **paid** to have this recall condition corrected you may be eligible to receive reimbursement.

Requests for reimbursement may include parts and labor. Reimbursement may be limited to the amount the repair would have cost if completed by an authorized Freightliner LLC dealer. The following documentation must be presented to your dealer for consideration for reimbursement.

Please provide original or clear copies of all receipts, invoices, and repair orders that show:

- The name and address of the person who paid for the repair.
- The Vehicle Identification Number (VIN) of the vehicle that was repaired.
- What problem occurred, what repair was done, when the repair was done.
- Who repaired the vehicle.
- The total cost of the repair expense that is being claimed.
- Proof of payment for the repair (such as the front and back of a cancelled check or a credit card receipt).

Reimbursement will be made by check from your Freightliner LLC dealer.

Please speak with your Freightliner LLC authorized dealer concerning this matter.

Recall Campaign

May 2006
FL472A
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Work Instructions

Subject: Slow Parking Brake Application

Models Affected: Specific Freightliner Custom Chassis B2 (Thomas Built Buses C2) school bus chassis manufactured between June 17, 2004, and February 23, 2006, with a single valve parking brake system and interlock (vehicles with air brakes or hydraulic brakes).

IMPORTANT: This recall involves a small number of vehicles. Do not over-order kits.

Parking Brake Check Valve Installation

1. Check the base label (Form WAR259) for a completion sticker (Form WAR260) for recall FL472, indicating this work has been done. The base label is usually located in the driver's area above the window. If a sticker is present, no further work needs to be done. If no sticker is present, continue with the steps below.
2. Park the vehicle on a level surface. Shut down the engine, set the parking brake, and chock the tires.

WARNING

High-velocity air and/or foreign particles may pose a risk to your eyes during this procedure. Wear appropriate eye protection.

IMPORTANT: The arrow on the check valve must point towards the coupling. See **Fig. 1**.

3. Using parts from the recall kit, assemble the 90-degree elbow fitting, check valve, 4-inch (102-mm) of black tubing, and coupling. Apply teflon tape or pipe thread compound to the threads of the fittings. See **Fig. 1**.

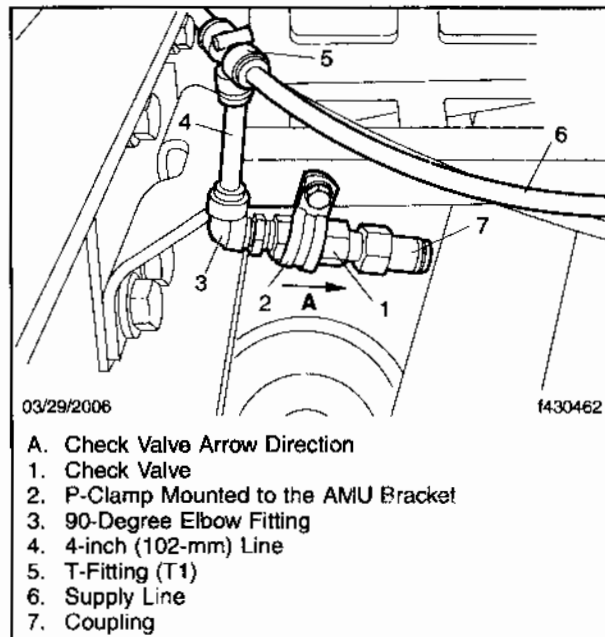


Fig. 1, Check Valve Assembly

IMPORTANT: All cuts made to the tubing must be clean and square.

4. Locate the *existing* supply line that is routed from the R7 valve to the Park/Aux switch valve in the air manifold unit (AMU). Use plastic tubing cutters or a sharp knife to cut the *existing* supply line next to the first AMU bracket fastener. See **Fig. 1**.
5. Install a *new* T-fitting (T1) from the kit onto the cut supply line above, and onto the 4-inch (102-mm) line that is attached to the check valve assembly. See **Fig. 1**.
6. Using the P-clamp and existing 5/16 x 1-inch AMU bracket capscrew (the first capscrew located on the left-hand side facing towards the bracket), attach the check valve assembly to the AMU bracket. See **Fig. 1**.
7. Cut the supply line that is routed between the *existing* T-fitting and the AMU approximately 3 inches from the *existing* T-fitting. See item 4 in **Fig. 2**.
8. Install a *new* T-fitting (T2) from the kit onto the supply line and the existing line that comes out of the valve in the AMU.
9. Cut a 16-inch (406-mm) piece of line (supplied in the kit) and insert one end of the line into the second T-fitting (T2) and the other end into the check valve assembly. See item 2 in **Fig. 2**.

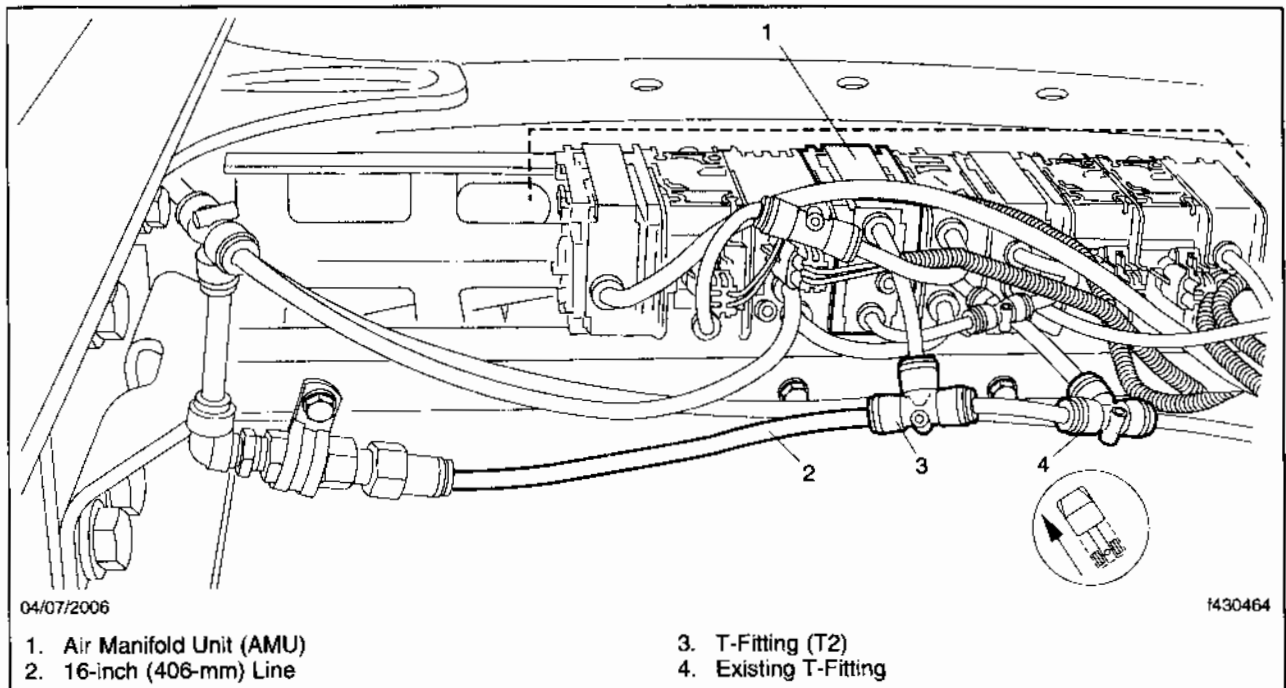


Fig. 2, AMU with Existing Line and T-Fittings

10. Start the engine to build air pressure in the system. Check for leaks and repair as necessary.

NOTE: To release the parking brake, apply the service brake and push the parking brake knob located on the dash. To set the parking brake, make certain that the service brake pedal is not depressed and pull the parking brake knob.

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11. Release and set the parking brake to ensure that the delay is gone by shifting the transmission into gear and revving the engine to 1200 rpm. If the vehicle does not move, proceed to the next step. If the vehicle *does* move, repeat these instructions and troubleshoot the system if necessary.

IMPORTANT: Once these work instructions are completed, the application of the park brake should be almost immediate.

12. Shut down the engine.
13. Clean a spot on base label (Form WAR259) and attach a completion sticker for FL472 (From WAR260). The base label is usually located in the driver's area above the window.
14. Remove the chocks from the tires.