

## PART 573 Defect and Non-Compliance Report

On 22, July 2005, Optima decided that a defect which relates to motor vehicle safety 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, Defects and Non-Compliance Reports.

This report was prepared on July 22, 2005

**Manufacturer's Identificaiton Code for this Recall: SAF 05008**

### 1. Fabricating Manufacturer/Brand Name/Trademark Owner of the Recalled Vehicle

Optima Bus.Corp.  
P.O. Box 19140  
Wichita, KS 67204-9140

05V-358

For further information on this report contact:  
Keith Pfannenstiel, P.E.  
Director of Engineering  
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Wichita, KS 67204-9140

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The person preparing this report is:  
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Signed: \_\_\_\_\_

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DEFECT INVESTIGATION

### 2. Identification of vehicles(s) with potential defect

**Make:** Optima Bus Corp.  
**Model Years Involved:** -2002-2005  
**Model:** Opus 29 & 34  
**Production Dates:** Beginning: 10-16 2004 Ending: 4-12-2005  
**VIN Range:** Beginning: 29 - 216258 Ending: 216270 , 34 - Beginning: 216096 Ending: 216131  
**Vehicle Type:** Diesel  
**Bodystyle:** Opus

**Description of Vehicles in Recall Compared to those Not in the Recall:** Units may have a hydraulic hose rubbing on the chassis causing the hydraulic line to be rubbed through.

**Approximate Percentage of the Production of all the Recalled Models:** 100%

### 3. Total Number of Vehicles Recalled Potentially Containing the Defect: 49

**Total Number Potentially Affected by the Recall:** 49

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4. **Approximate Percentage of the Total Number of Vehicles Estimated to Actually Contain the Defect:** 100%

**Determination of Recall Population:** 100%

5. **Defect Description:** Hydraulic hose from radiator fan motor to CAC motor.

**Cause of Defect:** Hydraulic line can rub on the chassis causing the hydraulic line to be rubbed through resulting in a leak and loss of hydraulic fluid, this fluid could ignite if it comes in contact with a hot source.

**Consequences of Defect:** Hydraulic line may be rubbed through resulting in a leak and loss of hydraulic fluid.

**Warning Which Can Occur:** Hydraulic line may be rubbed through resulting in a leak and loss of hydraulic fluid, this fluid could ignite if it comes in contact with a hot source.

**Corporate Name and Address of the Supplier of Defective Component:** Optima Bus Corp. 1601 E 77th. North Valley Center, Kansas 67147

**Name and Title of CEO or Representative of Supplier:** Keith Pfannenstiel, Director of Engineering

6. **Chronological Summary (Defect)**

7. **Test Reports/Data that Non-Compliance was determined:** Not Applicable

8. **Manufacturer's Remedy for the Defect -** Install a p-clamp on the radiator motor support bracket that holds and secures the hose away from the chassis eliminating the possibility of chaffing.

**Distinguishing Characteristics of the Remedy Component/Assembly Versus the Recalled Component/Assembly:** The hydraulic hose will no longer rub on the chassis.

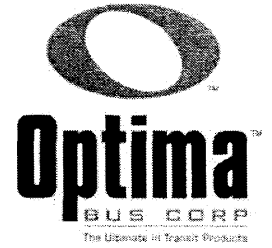
9. **How and When the Recall Condition was Corrected in Production -** July 2005, Installed a p-clamp on the radiator motor support bracket that holds and secures the hose away from the chassis eliminating the possibility of chaffing.

10. **Recall Schedule -** All Optima Bus Corp. customers will be notified of the recall and required to inspect and repair their vehicle if needed. Optima will send the modification kit with instructions to the customer.

**NOTE:** Opus 34 VIN 101 - 130 For Capital Metro (Austin) have been changed out prior to the release of this bulletin. Repair procedures were performed by Optima Bus Corporation.

# Safety Bulletin

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22 July 2005

Address Block

**MODEL(s):** Opus 29  
Opus 34

**SUBJECT:** Hydraulic Line Routing  
Optima Bus Bulletin #: SAF05008  
**NHTSA #:**

Greeting Line:

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

Optima Bus has decided that a defect which relates to motor vehicle safety exists in the hydraulic line routing from the radiator fan motor to the CAC motor.

There is a possibility that the hydraulic line coming from the radiator fan motor to the CAC motor is rubbing on the chassis. This rubbing may cause the hydraulic line to be rubbed through resulting in a leak and a loss of hydraulic fluid.

This Safety Recall corrects this problem by installing a bracket and clamp (Mod. Kit 30-0013-001) that will lift and secure the lines away from the chassis eliminating the possibility of chaffing.

Optima will reimburse the authority for costs incurred on this modification up to one hour at the current hourly rate.

For **leased vehicles**, Federal regulations require that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Perform the steps provided in **Instructions**, complete the certificate of compliance, and return the certificate of compliance to Optima Bus Corp. at your earliest convenience.

**Overview:**

This modification kit provides a p-clamp that will lift and secure the line away from the air governor eliminating the possibility of chaffing the hydraulic line.

**Instructions:****Parts Provided in this Kit:**

- 1 - HHCS, 1/4 - 20 X 1 GR 5 P/N 60700400
- 2 - Washer, 1/4, P/N 68530200
- 1 - Flexloc - Nut, 1/4 - 20 P/N 64804200
- 1 - Hose, P/N 30-3017B-002
- 1 - P-Clamp 1-1/4", P/N 21644300
- 2 - O-Rings, P/N 26124500

**Installation Instructions:**

1. Set the parking brake on the coach.
2. Place the MASTER RUN SWITCH and the MASTER BATTERY SWITCH in the OFF position.
3. Raise the bus with a lift.
4. Locate the hydraulic hose that runs from the radiator fan motor to the CAC motor and remove.

**NOTE:** Before installing the new hose use the oil from the hydraulic line to lube the o-ring prior to installing the new hose.

5. Install the new hose with o-rings and torque the fittings 86 - 94 ft. lbs.
6. Drill a 9/32" hole in the center between the top and middle holes in radiator fan motor mount bracket. (Figure 3)

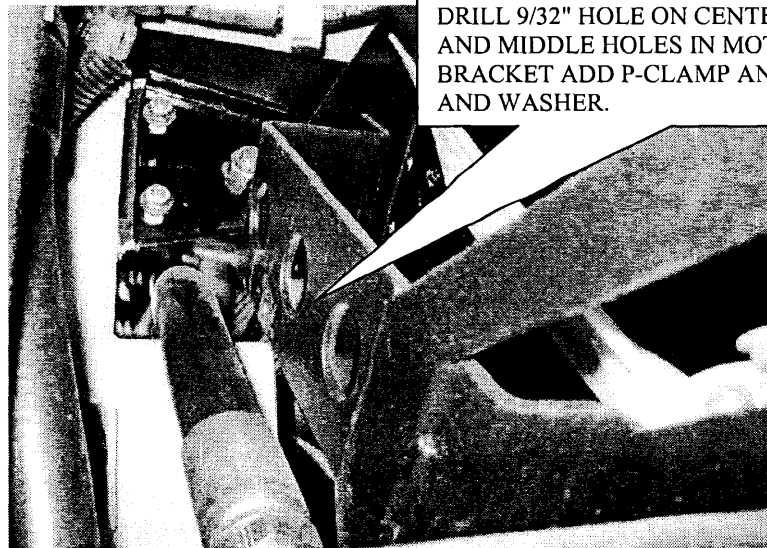
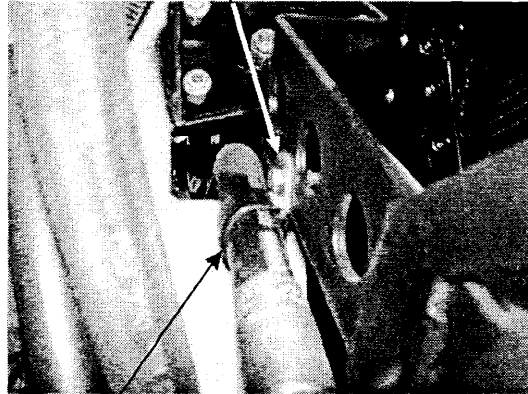


Figure 1. Radiator Motor Mount Bracket

7. Place p-clamp around the hydraulic hose and secure the p-clamp to the radiator motor mount bracket with a bolt, washers, and nut. (Figure 2)

Bolt, Washer, and Nut



P-Clamp

Figure 2. P-Clamp Installation

8. The final assembly should look like Figure 2.
9. Add hydraulic fluid to reservoir to appropriate level.
10. Check for leaks at fittings attached on radiator fan motor and CAC motor.
11. Turn master run switch "ON".

If you experience any problems in complying with this Safety Recall or feel that you require assistance contact our Customer Service Department between the hours of 8:00 AM and 5:00 PM CST at 1-888-391-1777.

We regret any inconvenience that this action may cause you. 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 the toll-free Auto Safety Hotline at 1-888-327-4236.

Sincerely,

OPTIMA BUS CORP.



Dan Scantlin  
Customer Service Manager