

Daimler Buses Recall Bulletin

Orion V/VII Models
NHTSA 08V-480/TC 08-354

1.0 CABLE ROUTING RECALL NOTICE

Recall Number

National Traffic and Motor Vehicle Safety Number (NHTSA): NHTSA 08V-480.
Transport Canada Recall Number: 08-354.

Subject

SAFETY DEFECT: Alternator Cable Routing.

Certain Vehicles Affected

Models/Years Involved

- Orion V (March 2008 - April 2008)
- Orion VII (September 2004 - December 2007)

General Information

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicle Safety Act. Daimler Buses North America (Daimler Buses) has decided that a defect, which relates to motor vehicle safety, exists in some of its transit buses.

Defect

On certain transit buses equipped with Cummins ISL diesel engines and specific cable configurations, certain cables may become damaged if not routed properly.

Failure To Upgrade

If proper service inspection of cables is not conducted as outlined in the "Electrical System Overview" of the Orion service manual, cable(s) may rub through insulation and cause a fire.

Cost To Remedy

Labor time to perform this work has been predetermined. If required the following apply:

- a. **Component Inspection - 1 hour**
 - Add 0.5 hrs. to reroute improperly routed cables and add Dual Clamp Tie at time of inspection (if needed)
- b. **Access Engine for Component Replacement - 1 hour**
 - Add 0.5 hrs. for cable replacement (if needed)
 - Add 0.5 hrs. for fuel line replacement (if needed)

Reimbursement for the parts and labor can be made on your claim for credit. See "Claims for Credit" as required.

Record of Completion

Please complete the attached **Record of Completion** for each vehicle and deliver to:

*Daimler Buses North America
Attention: Warranty Department
Mississauga, Ontario, Canada L5J 4T8
Fax: (905) 403-8800*

Claims for Credit

Reimbursements will be issued only after the **Record of Completion** has been submitted to Daimler Buses. Include the campaign number and the date the work was performed on the copy of the work order along with the claim form.

We are sorry to cause you this inconvenience, however, we have taken this action in the interest of your continued satisfaction with our products. If you have had this repair performed before you received this letter, you may be eligible to receive a reimbursement for the cost. Notify Daimler Buses to obtain a pre-notification remedy to the problem associated with this recall.

Service Information

Inquiries for materials and any additional instructions pertaining to this recall notice can be made by calling:

Parts Inquiries/Orders: 1-800-786-8099

Service Inquiries: 1-800-71-ORION (1-800-716-7466)

In Case of Dispute

If, after contacting Daimler Buses at the location listed above, you are still unable to have the safety defect remedied, US residents may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC, 20590. Vehicle Safety Hotline's toll free number: 1-888-327-4236 (TTY: 1-800-424-9153) or go to <http://www.safercar.gov>.

Canadian residents may submit a complaint to the Director, Vehicle Safety and Energy Operations, Road Safety and Motor Vehicle Regulation, Transport Canada, Ottawa, ON, K1A 0N5, or call (613) 993-9542.

2.0 CABLE ROUTING RECALL INSTRUCTIONS

Component Inspection

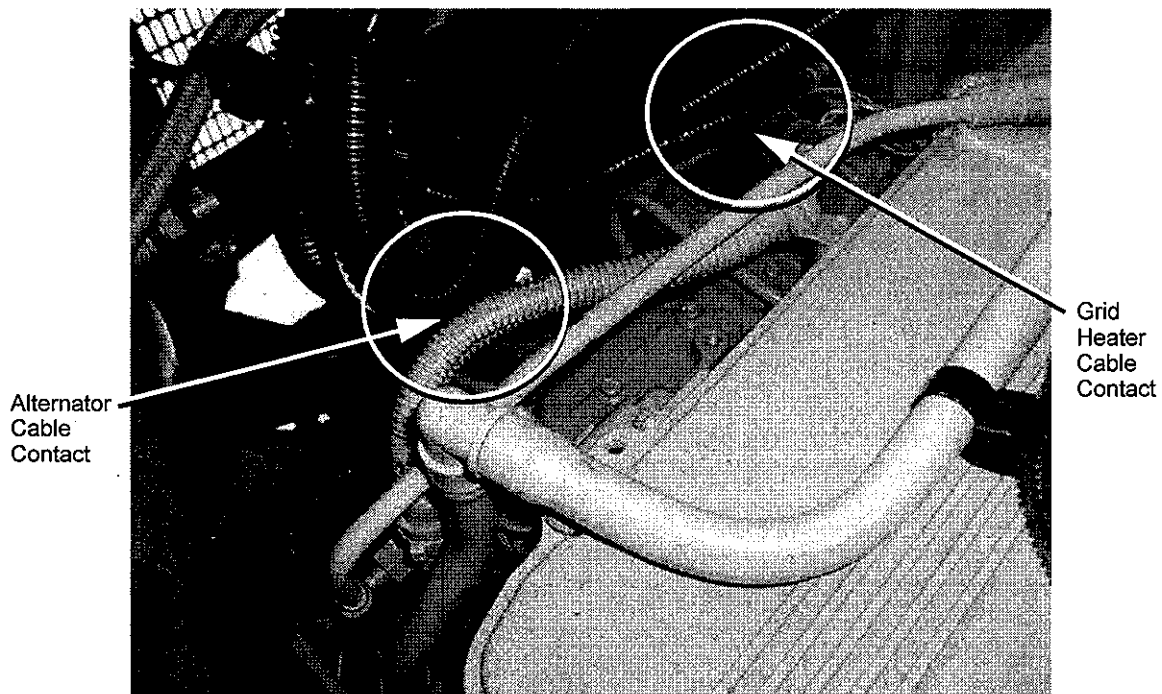


FIGURE 1-1 IMPROPERLY ROUTED CABLES IN CONTACT WITH FUEL LINES

1. Turn and lock the battery isolator switch to the OFF position.
2. Open the interior engine access panel located under the rear center seat section inside the bus.

 NOTE

Cable routing and configuration may vary slightly by production order.

3. Inspect the alternator cable and grid heater cable for proper routing in the rear engine compartment to avoid the possibility of rubbing/chaffing against the #3 and #4 fuel injector lines. (See Figure 1-1.)
 - a. If the cables come in contact with the fuel injector lines as indicated in Figure 1-1 but no damage is found, reroute the cables following the procedure outlined in "Rerouting Improperly Routed Cables" on page 5.
 - b. If the cable loom or insulation is damaged on either cable, replace the cable(s) as indicated in "Alternator Cable Replacement" on page 6 or "Grid Heater Cable Replacement" on page 6.

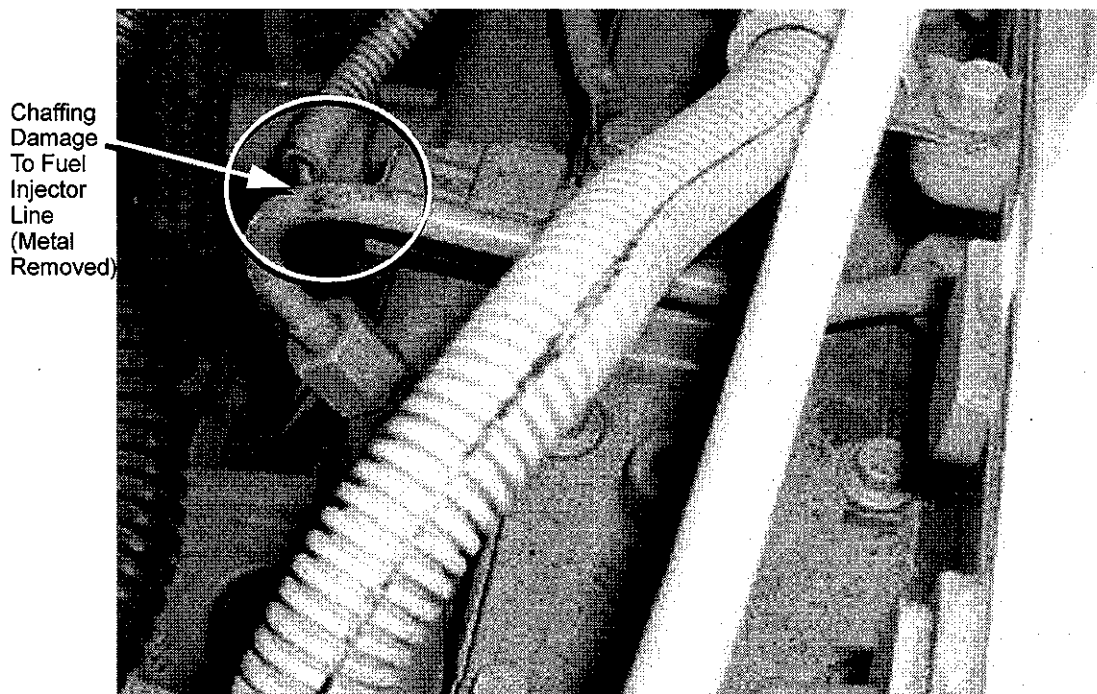


FIGURE 1-2 CHAFFING DAMAGE TO FUEL INJECTOR LINE

4. Inspect the #3 and #4 fuel injector lines for chaffing damage as shown in Figure 1-2. If any metal has been removed, replace the fuel injector line as indicated in "Fuel Injector Line Replacement" on page 6.

Rerouting Improperly Routed Cables

Required Parts

PART NUMBER	DESCRIPTION	QUANTITY
051048002	Dual Clamp Tie, 12.9"	1

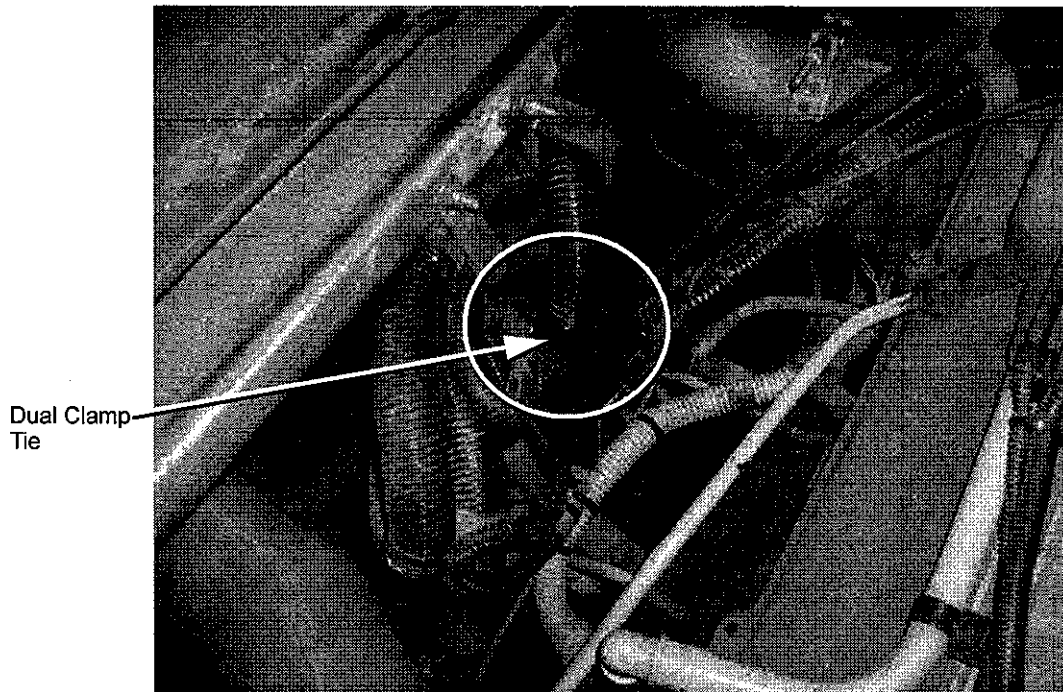


FIGURE 1-3 ALTERNATOR AND GRID HEATER CABLES WITH DUAL CLAMP TIE INSTALLED

If the alternator cable and grid heater cable are making contact with the #3 and #4 fuel injector lines as indicated in **Figure 1-1** but no damage is found:

1. Loosen the p-clamp or clamps securing the alternator and grid heater cables in the rear engine compartment.
2. Lift the cables clear of the injector line(s) and secure with a Dual Clamp Tie (**ORION P/N 051048002**) as indicated in **Figure 1-3**.
3. Re-tighten any p-clamps loosened in **step 1**.
4. Close the interior access panel located under the rear center seat section inside the bus.
5. Return the battery isolator switch to the ON position.

Component Replacement

Required Parts

Parts required for the following replacement procedures will vary slightly by production order. Inquiries for materials and any additional instructions pertaining to these procedures can be made by calling:

Parts Inquiries/Orders: 1-800-786-8099

Service Inquiries: 1-800-71-ORION (1-800-716-7466)

 **NOTE**

Follow proper cable routing procedures when installing new cables. Be sure to avoid sharp edges, hot surfaces, and engine components which may cause future rubbing or chaffing damage to the cable. Refer to the procedure in "Rerouting Improperly Routed Cables" on page 5 when securing new cables after installation.

Alternator Cable Replacement

1. Remove the mounting hardware securing the alternator cable to the alternator and battery.
2. Remove the existing alternator cable.
3. Install the new alternator cable and secure the mounting hardware removed in **step 1**.

Grid Heater Cable Replacement

1. Remove the mounting hardware securing the grid heater cable to the grid heater in the air intake compartment (curbside) and the grid heater relay in the rear engine compartment.
2. Remove the existing grid heater cable.
3. Install the new grid heater cable and secure the mounting hardware removed in **step 1**.

Fuel Injector Line Replacement

To replace the #3 or #4 fuel injector lines, follow the procedures outlined in the Cummins maintenance manual provided with your vehicle.