

Daimler Buses Recall Bulletin

Orion VI Models

NHTSA 10V538000/TC 2010379

1.0 WHEELCHAIR RAMP HYDRAULIC FITTING RECALL NOTICE

Recall Number

National Traffic and Motor Vehicle Safety Number (NHTSA): NHTSA 10V538000

Transport Canada Recall Number: 2010379

Subject

SAFETY DEFECT: Wheelchair Ramp Hydraulic Fitting

Certain Vehicles Affected

Models/Years Involved: **United States:** Orion VI (1995 - 2000)

Canada: Orion VI (1996 -1999)

Vehicle Production Dates: **United States:** January 1996 - December 2000

Canada: January 1997 - December 1999

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 Orion VI transit buses configured with a Detroit Diesel Series 50 engine, a tapped reducer fitting on the 22" hydraulic line to the wheelchair ramp control valve can crack and cause hydraulic fluid to leak into the engine compartment.

Failure To Upgrade

Hydraulic fluids leaking into the engine compartment can be ignited by the hot turbocharger and cause an engine fire.

Cost To Remedy

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

- **Component Inspection:** 0.25 hrs.
- **Component Replacement:** 1 hr.

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) 403-7813*

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 RECALL INSTRUCTIONS

Component Inspection

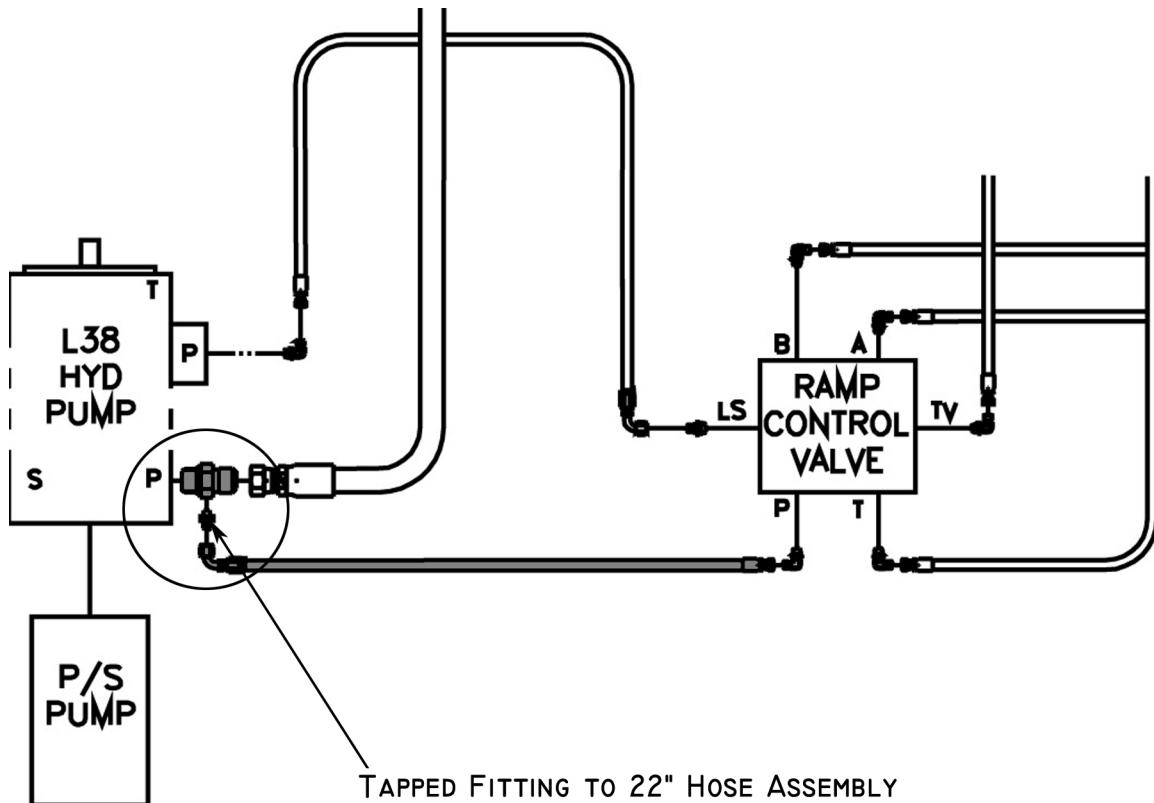


FIGURE 1-1 OLD HYDRAULIC FITTING CONFIGURATION

Open the rear engine compartment of the bus and inspect the hydraulic fitting and hose assembly connecting the L38 hydraulic pump to the wheelchair ramp control valve.

- a. If the hydraulic fitting and hose assembly resembles the configuration in [Figure 1-1](#), continue with **“Component Replacement”** on page 4.
- b. If the hydraulic fitting and hose assembly resembles the configuration in [Figure 1-2](#), no further action needs to be taken. Close the rear engine compartment and return the bus to revenue service.

Component Replacement

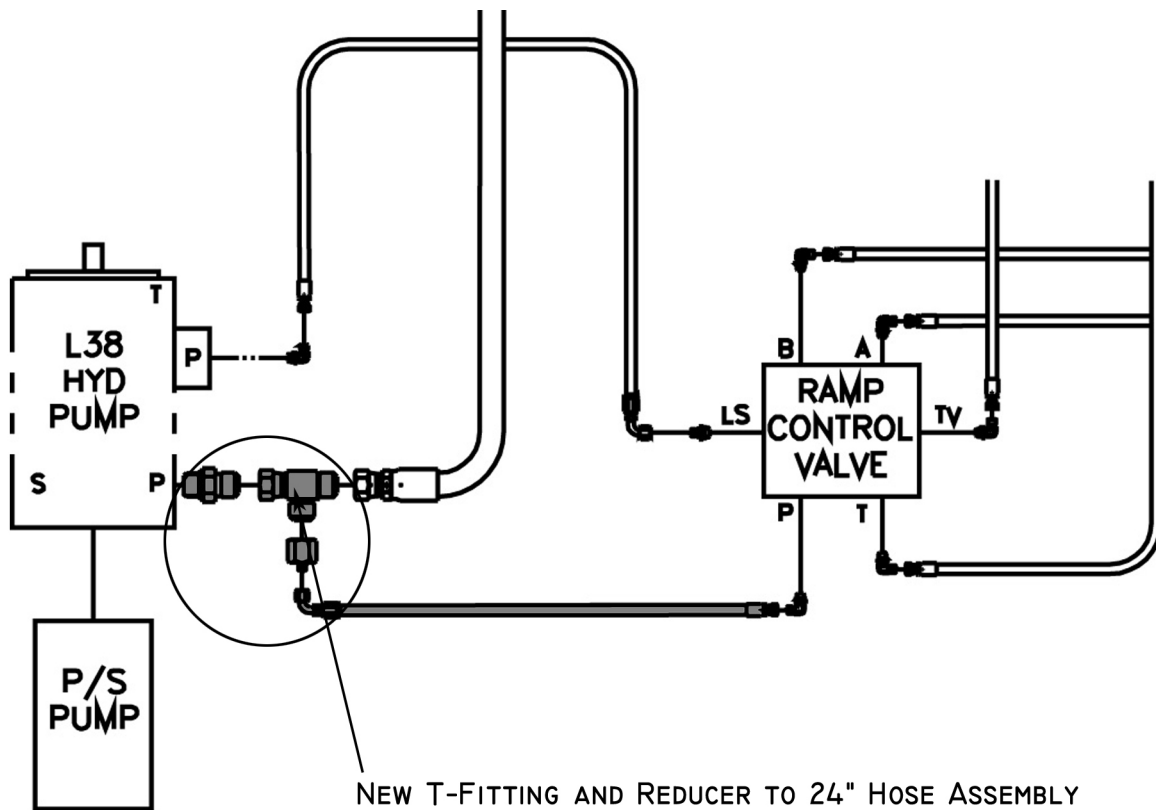


FIGURE 1-2 NEW HYDRAULIC FITTING CONFIGURATION

Required Parts

PART NO.	DESCRIPTION	QTY.
BS-6139137	Straight Connector (20-12S) (O-ring/37 JIC)	1
BS-6010201	Adapter Tee #12 JIC	1
BS-6139305	Reducer #12 JIC to #6 JIC	1
060906563	Hose #6, FC195, ST90, 24"	1

Procedure

1. Ensure control of the engine ignition is from the rear of the vehicle and the engine is shut down. Wait for the system to cool if necessary.
2. Place a clean container under the L38 hydraulic pump assembly and remove the existing straight connector from the pump. (See [Figure 1-1](#))
3. Place another clean container under the ramp control valve and disconnect the hose assembly from the ramp control valve. (See [Figure 1-1](#))

 **NOTE**

Use liquid thread seal on all pipe thread joints and loctite to seal threaded fasteners.

4. Install the new straight connector (Orion P/N# BS-6139137) into the L38 hydraulic pump. (See [Figure 1-2](#))
5. Install the adapter tee (Orion P/N BS-6010201), reducer (Orion P/N# BS-6139305), and 24" hose assembly (Orion P/N# 060906563) as shown in [Figure 1-2](#).
6. Connect the hose assembly to the ramp control valve as shown in [Figure 1-2](#).
7. Start the engine and check the system for leaks.
8. Check the level in the hydraulic tank and top off as needed.
9. Check operation of the wheelchair ramp system before returning the vehicle to revenue service.