

PREVOST


Warranty Bulletin

96-05B

Date: **October 1996**
 Section: **12**
 Subject: **IMPROVEMENT OF BRAKE APPLICATION SEQUENCE**
 Revision B:

Addition of figure 5 to locate the R-12 relay valve mentioned in step 7.

Application:

| Model | VIN |
|---|---|
| All H3-41 & 45 Vehicles Model Year: 1994 - 1995 - 1996 |  <p>From 2P9H33495R1001012 up to 2PCH33416I1011463 incl. except for 2P9H33499S1001116</p> |

DESCRIPTION

Following extensive wet pavement road tests at Allied Signal, it has been determined that by eliminating reducing valve assemblies #141758 & #141651, braking force distribution between front and tag axles is better balanced and thereby increases braking effectiveness considerably. Proceed as follows to perform this improvement.

MATERIAL

| Part No. | Description | Qty |
|----------|--|-----|
| 141812 | Hose assy, 1012 mm lg | 2 |
| 641120 | Valve, relay R-14 | 1 |
| 641036 | Ring, 3/8 (for FP 45 #6 P/N 641011 or FP 90 #6 P/N 640999) | 1 |
| 641035 | Ring, 1/2 (for FP 45 #8 P/N 641089) | 2 |
| 641033 | Ring, 3/4 (for FP 45#10 P/N 641027) | 1 |
| 641391 | Cover | 1 |
| 641390 | Screw | 1 |
| 501534 | Adapter, brass, 1/2 NPT F X 3/8 NPT M | 2 |
| 501330 | Fitting, brass, A 45 3/8PM X 3/8 PF | 2 |
| 501842 | Fitting, brass, A ST 3/8PM X #8USFM | 2 |

Note: Material can be obtained through regular channels.

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery disconnect switch(es) to the OFF position prior to working on the vehicle.

Prior to working under an air-suspended vehicle, it is strongly recommended to support the body at the recommended jacking points.

1. Exhaust air from the air system by opening the valves underneath primary and wet tanks. See your Maintenance Manual, page 12-7 for tank locations.
2. Remove both rear wheel fenders (L.H. & R.H.).
3. From underneath vehicle, locate both pressure reducing valves. (in between drive & tag axles - Fig. 1)
4. Remove and discard both valves including the two hoses connected to each valve.

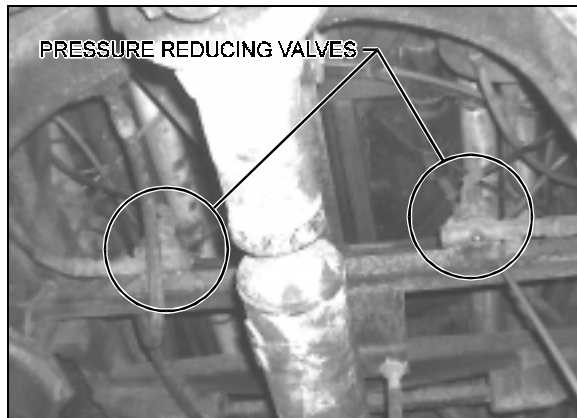


FIGURE 1: VIEWED FROM UNDER TAG AXLE 12090

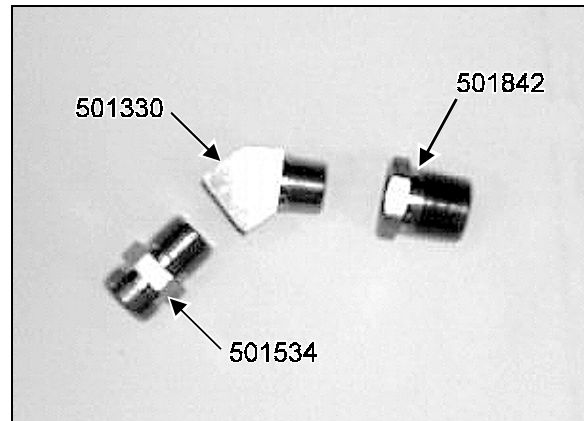


FIGURE 2: FITTING ASSEMBLY 12091

5. Preassemble two fitting assemblies with parts #501534, 501330 & 501842 as in figure 2, using Loctite PST (Prévost #680098) or equivalent sealant. Tighten with suitable wrench.

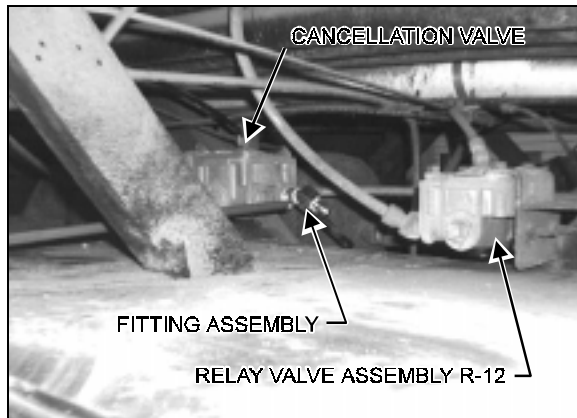


FIGURE 3: CANCELLATION VALVE 12092

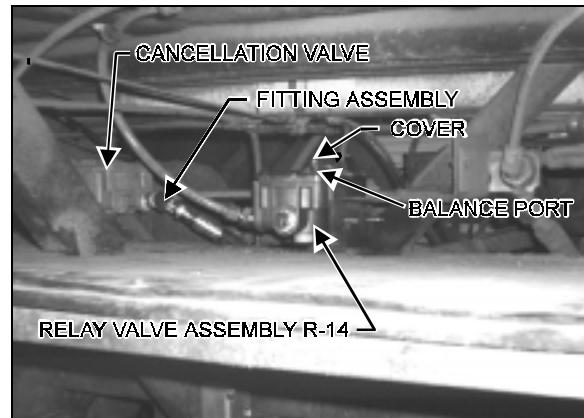


FIGURE 4: RELAY VALVE ASSEMBLY 12093

6. Locate both L.H. & R.H. cancellation valves (over wheel housings - Fig. 3). Remove fittings #641089 and replace with preassembled fitting assemblies (step 5) (keep same orientation). Tighten with suitable wrench.
7. Replace relay valve assembly R-12 (located forward and to the right of R-12 relay valves, Fig. 5) with new valve R-14 #641120 and reinstall hoses C/W fittings at same locations on R-14. Add cover #641391 with screw #641390 on balance port.(Fig. 4)

Note: Replace all rings on existing fittings with new ones supplied.

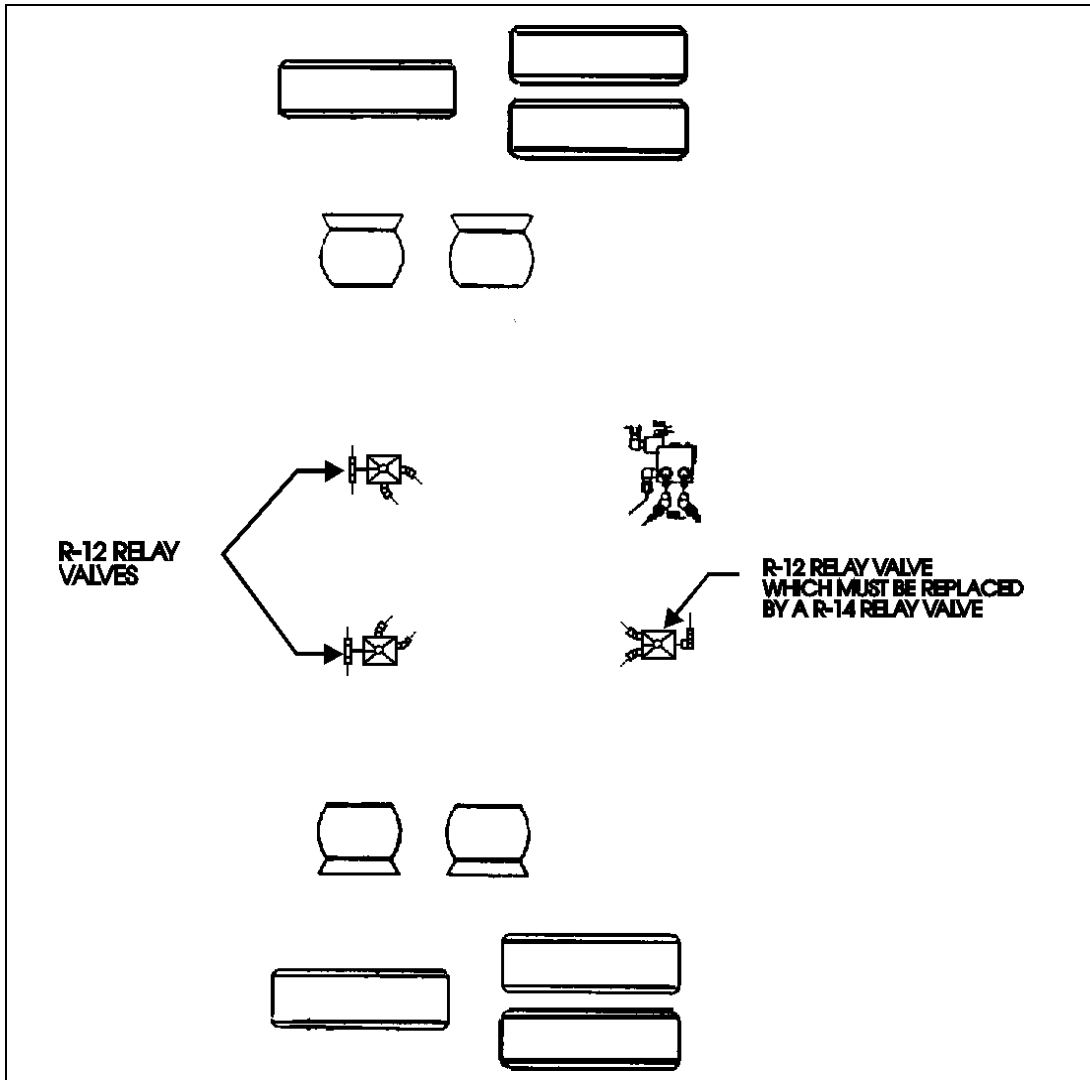


FIGURE 5: LOCATION OF THE RELAY VALVES

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8. Install one hose #141812 on each side of vehicle; connect JIC end of hose to brake booster and the other end to new fittings on cancellation valves. Tighten with suitable wrench. Secure hoses with tie wraps if necessary.
9. Pressurize air system and check for leaks using a soapy water solution; retighten fittings if required.

WARRANTY

This modification is covered by the manufacturer's normal warranty. We will reimburse you the parts and one and a quarter hour (1.25) of labor upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 96-05B". **Discard all removed parts.**

Expiration date: October 1997