

# PRODUCT SUPPORT BULLETIN NO. 200

DATE: January 24, 1995

MACHINE: **Hydra-Hammer s/n 1040 to 1081**

SUBJECT: Relief Valve Cartridges

There have been some failures of the 1623 560 Relief Valve Cartridges in the propelling valve module block. They are now set at 2600 psi. They must be reset to 2900 psi, or 300 psi above the main relief valve cartridge.

There is a "3" stamped in the propelling valve module block next to the relief cartridges. (See Figures 1 and 2.)

To set the propelling relief valve cartridges:

1. Remove the DIN connector from the **brake valve** solenoid. (See Figure 3.)
2. Install 5000 psi pressure gauge to main pump pressure tap (G1 on top of manifold).
3. On main relief valve (#22 on side of manifold), turn adjusting screw all the way in. (See Figure 3.)
4. On the propelling relief valve cartridges (#3 on the propelling valve module block) turn the adjusting screw all the way in. (See Figures 1 and 2.)
5. Start the engine and set the compensator on the main pump to 2900 psi.
6. On the propelling relief valve cartridge, back out the adjusting screw until the engine loads (gauge will read 2900 psi) while holding the propelling pedal for the correct direction. Tighten locknut.

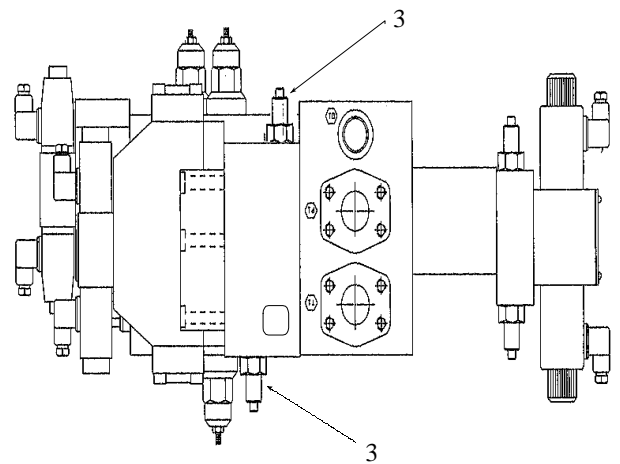


FIGURE 1

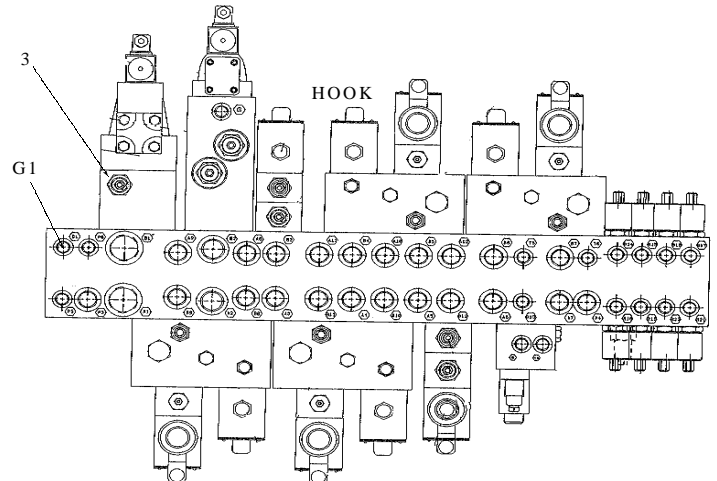


FIGURE 2

7. Holding the opposite propelling pedal, back out the adjusting screw on the other propelling relief valve cartridge until the engine loads. Tighten locknut.
8. Set the compensator on the pump to 2600 psi.
9. Back out the adjusting screw on the main relief valve until the engine loads. Tighten locknut. (See Figure 3.)
10. Set the compensator on the main pump to 2100 psi.
11. Reconnect the DIN connector to brake valve solenoid.

NOTE: The Functional Hydraulic Schematics in some of the Nordco Parts Manuals show the main pump compensator setting as 2500 psi. This is in error, it should show the compensator set at 2100 psi. This applies to all Hydra-Hammers with pressure compensated pumps (s/n 1009 and future). We have included a revised sheet #1 of the functional schematic.

