

**PROCEDURE:**

With the hydraulic system off and no pressure showing on the system pressure gauge, remove the cavity plug from the cavity labelled DV on the base manifold.

Please note that any P line fluid higher than the top P port of the base manifold will drain out when the cavity plug is removed.

With the cavity plug removed, check the unloader cavity of the base manifold to ensure there is no debris in the unloader cavity.

Install a small amount of clean hydraulic fluid on the o-rings of the unloader valve cartridge then insert the nose of the unloader cartridge into the unloader cavity of the base manifold and turn clockwise to tighten by hand.

Use a torque wrench set to 30 ft-lb to tighten the hex body of the cartridge into the manifold. **DO NOT OVERTIGHTEN.**

Remove the coil retaining nut from the cartridge stem and install a coil of appropriate voltage over the stem of the unloader cartridge and re-install the coil retaining nut by hand. Use a torque wrench set to 5 ft-lb to tighten the nut. **DO NOT OVERTIGHTEN.** Please note that the unloader valve is normally open (normally passing fluid) so the coil of the unloader valve must be energized to close the flow path back to tank and build hydraulic pressure.

We would suggest that you place the unloader cavity plug in a clean plastic bag, label the bag and store the cavity plug for future use (the cavity plug can be useful when diagnosing hydraulic issues should they arise in the future).

