

Shaft Seals (ctd)

5) Slide the seal over the shaft and press it onto the housing bore. Be careful not to damage the seal. **Figure 3**

6) Install the seal retaining ring in the housing. **Figure 4**

Charge Check Valves

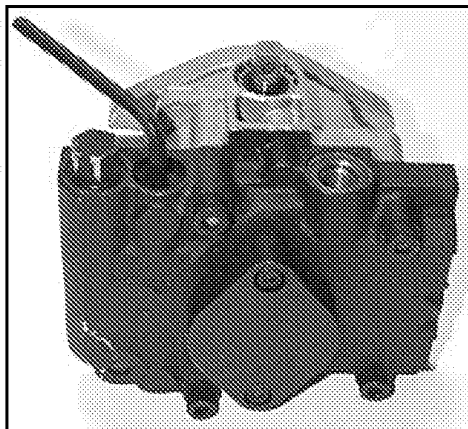
1) Remove the check valve plug with a 1/4" internal hex wrench. **Figure 5**

2) Remove the valve spring and poppet from the pump end cap. **Figure 6**

CAUTION: Do not allow the poppet to fall into the closed loop passages in the end cap.

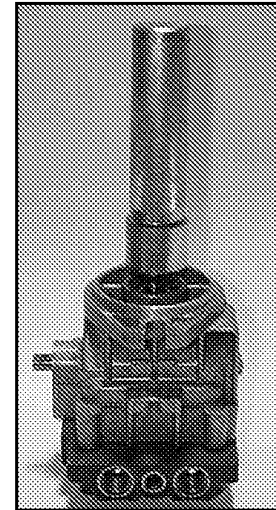
3) Inspect the poppets and mating seats in the end cap for damage or foreign material.

4) Lay the pump on its side and reinstall the poppet, spring and plug (O-ring) into the end cap. Be certain the poppet does not fall into the closed loop passage. Torque the plug to **15-20 ft. lbs.** Turn the unit over and repeat for the other check valve.



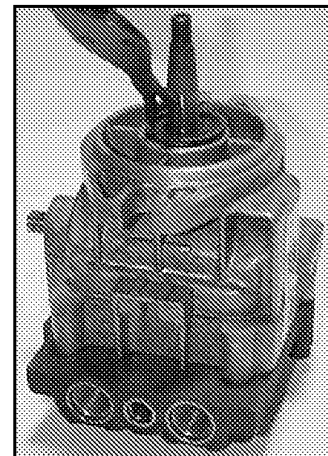
Remove charge check valve.

Figure 5



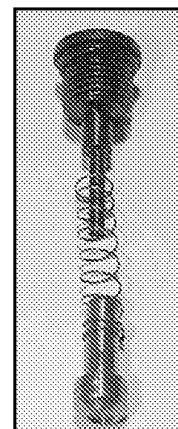
Install input shaft seal.

Figure 3



Install input shaft seal retaining

ring. **Figure 4**



Remove valve spring & poppet.

Figure 6