

Installation Instructions

For the Spring-Style Globe Packings

BH-1782SP, BH-1798SP

1. Raise lift and lower superstructure onto supports. Clean all foreign material from around plunger. Remove superstructure fastening devices and lower plunger completely. Leave air control valve on exhaust. It may be necessary to tie it in this position for safety. After removing the attaching cap screws, the superstructure may be moved to one side.
2. Using a packing installation tool or flat blade screwdriver, remove wiper cover. Mark location of bleeder plug on cylinder flange.
3. Carefully remove bleeder plug with hand wrench. Remove and discard wiper spring, wiper and wiper gasket.
4. Remove holder ring. A slot is located near the bleeder plug side of the upper guide bearing to ease in removing the holder ring. Remove the "U" packing.
5. Remove upper guide bearing. The bearing may be lifted by using two 3/4" x 10 cap screws screwed in two tapped holes in guide bearing. These are not jacking screws.
6. The cap screws are only to be used for leverage to pry bearing loose.
7. Care must be taken to avoid contaminating the oil. Placing the old "U" packing upside down between the piston and casing will prevent dirt and debris from falling into the oil. Using a gasket scraper, remove the flange gasket from the cylinder flange surface. Punch out concrete and run a 5/8" x 11" bottoming tap in all cylinder flange holes. This is required to remove any concrete from the flange holes that would prevent a proper gasket seal. Thoroughly clean all debris from the flange surface, old "U" packing, and piston. Clean and check for rust, pitting, etc., the wiper cover, holder ring and upper guide bearing. Remove and discard old "U" packing.
8. Place two new flange gaskets in position making certain they are flat.
9. Reinstall the upper guide bearing making certain holes in bearing align with trapped holes in cylinder flange. In drive through models rotate bleeder plug location by 180°.
10. Grease the "U" packing and install the expander spring inside the "U". Install the "U" packing with spring flat bottom up, leading the edge with your fingers. Do not use putty knife or sharp instrument.
11. Gently push the "U" packing into position using a hammer handle.
12. Reinstall holder ring.
13. Install bleeder screw and wiper gasket noting location of bleeder plug opening.
14. Apply grease to wiper and install as shown. No spring is required.
15. Install wiper cover, and wiper while noting the bleeder plug location.
16. Reinstall the socket head cap screws and tighten evenly to 110 ft. lbs. When tightening cap screws, alternate side for even torque.
17. Check oil level. The gauge stick is located beneath the fill plug. Remove fill plug, gauge stick, and check oil level. Add oil if required until level is at top mark on gauge stick. **DO NOT OVER FILL.** Replace fill plug and secure.
18. Run lift up halfway. Loosen bleeder plug and bleed air until oil appears. Retighten bleeder plug. Lower lift and check oil levels as described above.
Repeat steps 17 and 18 until air is exhausted and oil remains at the proper level on the gauge stick, adding additional oil as necessary.
19. Reinstall superstructure and tighten cap screws to 125 ft. lbs. torque.
20. Run lift to full up position and make a final inspection for leaks.

