

ROTARY SEAL ASSEMBLY REPLACEMENT

▲ CAUTION Make certain the power supply is disconnected before attempting to service the unit!

Seal Removal

1. Remove the case bolts and pump body from motor assembly.
2. Remove diffuser bolts and diffuser from motor assembly.
3. Insert an open-end 9/16" (LP075B, LP100B, LP150B, LP200B, LP300B) or an 5/8" (LP1502B) wrench into the side of the mounting ring, slowly turning the impeller until the wrench seats itself onto the flats of the shaft. Once properly seated, the wrench will keep the shaft from turning. LP3005B model uses keyed shaft and sleeve. Removal of these impellers may require high heat to remove the shaft sleeves.
4. Expose the seal assembly by spinning the impeller counterclockwise to un-thread it from the motor shaft.
5. The seal spring will release as the impeller is removed.
6. Being careful not to damage the motor shaft, remove the seal head, seat and rubber from the seal pocket. The use of a screwdriver or similar tool may be necessary.
7. Should the seal be difficult to remove, the mounting ring can be completely removed for easier access by taking out the mount ring bolts.
8. Once the seal is removed, clean the pocket removing all debris.

The rotary seal assembly must be handled carefully to avoid damaging the precision lapped faces of the sealing components.

Seal Installation

NOTE: It is recommended to only install new seals. Do not install used or dirty seals.

NOTE: Application of a light coat of multi-purpose chassis grease to the diameter of the rubber gasket may make installation easier. Be certain the seat is kept clean and free of dirt and/or grease at all times.

1. Insert the seal seat rubber gasket into the recessed area of the mount ring.
2. Slip the seal head assembly onto the motor shaft.
3. Using uniform pressure, be sure the seal's seat or mounting ring has completely bottomed-out in recessed area.
4. After placing the spring, install the impeller and bolt the diffuser onto the motor assembly.
5. Replace and bolt the pump body to the motor assembly.

Did You Know?

By touching the seal face, the oil from your skin will shorten the life of the seal.