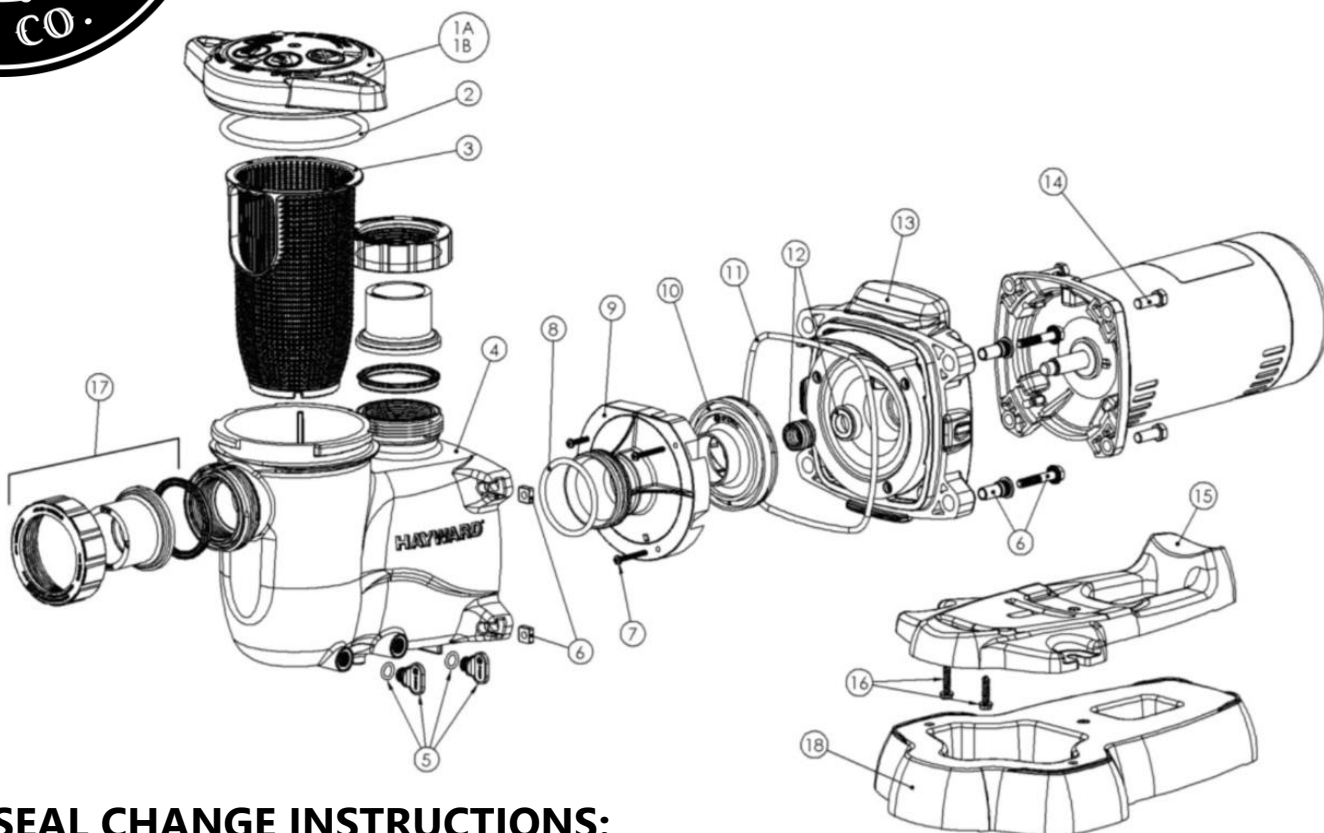




REBUILD KIT

COMPATIBLE WITH

HAYWARD® MaxFlo XL™ Pump Series



SHAFT SEAL CHANGE INSTRUCTIONS:

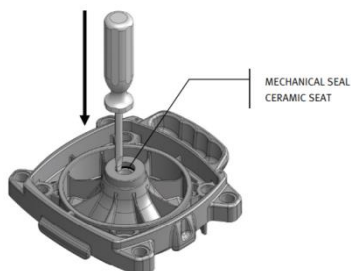


⚠ WARNING

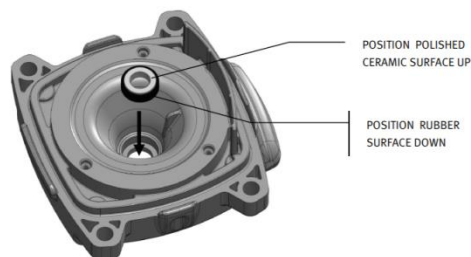
IMPORTANT SAFETY INSTRUCTIONS PLEASE READ AND FOLLOW ALL INSTRUCTIONS When servicing electrical equipment, basic safety precautions should always be observed including the following. Failure to follow instructions may result in injury. **A. WARNING** – To reduce risk of injury, do not permit children to use this product. **B. Disconnect all electrical power service to pump before beginning shaft seal replacement.** **C. Exercise extreme care in handling both the rotating and the stationary sections of the two-part replacement seal. Foreign matter or improper handling will easily scratch the graphite and ceramic sealing surfaces.**

Removing the Motor Assembly 1. Remove the four (4) 5/16" x 1 3/4" hex head bolts (item #6) which hold the motor assembly to the pump/strainer housing (item #4), using a 1/2" wrench or socket. 2. Slide the motor assembly out of the pump/strainer housing (item #4), exposing the diffuser (item #9). Remove the three (3) diffuser screws (item #7) and pull the diffuser off of the seal plate (item #13) to expose the impeller (item #10).

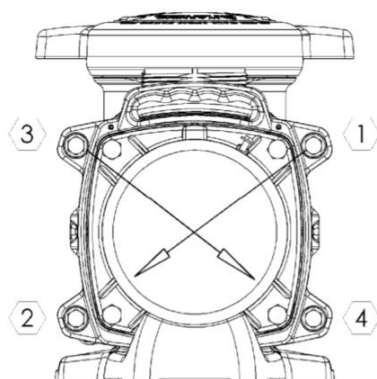
Removing the Impeller 3. Remove the motor end cover/canopy by removing the two (2) screws and pulling off the cap/canopy away from the motor. 4. To prevent motor shaft from turning, carefully slide a 7/16" open-end wrench between the capacitor and the centrifugal switch (the wrench fits over the two (2) flats on the motor shaft). 5. Rotate the impeller (item #10) counterclockwise and remove. The spring portion of the seal assembly (item #12) is now exposed. Note carefully the position of the spring seal, and remove it. NOTE - Replace motor cover to protect delicate motor parts. **Removing the Ceramic Seat** 6. Remove the seal plate (item #13) from the motor by removing the four (4) 3/8" x 1" (item #14) that secure it to the motor, using a 9/16" wrench or socket. 7. Press the ceramic seat with rubber cup out of the seal plate. If tight, use a small screwdriver to tap seal out. STOP - Clean all recesses & parts to be reassembled. Inspect gaskets & replace if necessary.



Seal Installation 8. Clean and lightly lubricate the motor shaft and seal recess in the seal plate (item #13) with a dilute solution of non-granulated liquid-type soap. Gently wipe the polished surface of the ceramic seal with a clean, soft, cotton cloth. Lubricate the rubber cup on the ceramic seat and press it firmly and evenly into the recess of the seal plate (item #13) with the polished side of the ceramic facing out. 9. Assemble the motor to the seal plate (item #13) with the four (4) 3/8" bolts (item #14). Torque bolts to 100 in-lbs. 10. Gently wipe the black, polished surface of the spring seal assembly with a clean, soft, cotton cloth. 11. Press the spring seal assembly (item #12) onto the motor shaft – black polished surface facing toward the polished surface of the ceramic seat.



Replacing the Impeller and Diffuser 11. Screw the impeller (item#10) onto the motor shaft in a clockwise direction. Tighten snugly by holding motor shaft with wrench as noted in step #4. 12. Place the diffuser (item #9) over the impeller (item#10) onto the seal plate (item#13), aligning the three (3) protruding pins with the matching holes in the seal plate (item#13). Note: Flat side of diffuser rim (item #9) will face up. Replace three (3) diffuser screws (item #7), Torque screws to 20 in-lbs. **Replacing the Motor Assembly** 13. Re-attach motor end cover/canopy by using the two (2) hex shaped screws. Slide the motor assembly with the diffuser (item#9) in place, into pump/strainer housing (item#4), being careful not to disturb the diffuser o-ring (item#8). 14. Re-attach assembly to pump/strainer housing (item#4) using the four (4) 5/16" x 1 3/4" hex head bolts. (Be sure housing o-ring (item#11) is in place, and lubricated. Replace if damaged). Tighten alternately and evenly to 185 in-lbs using torque pattern in the following diagram.



HOUSING BOLT TORQUE PATTERN
Fig 7.6.1

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