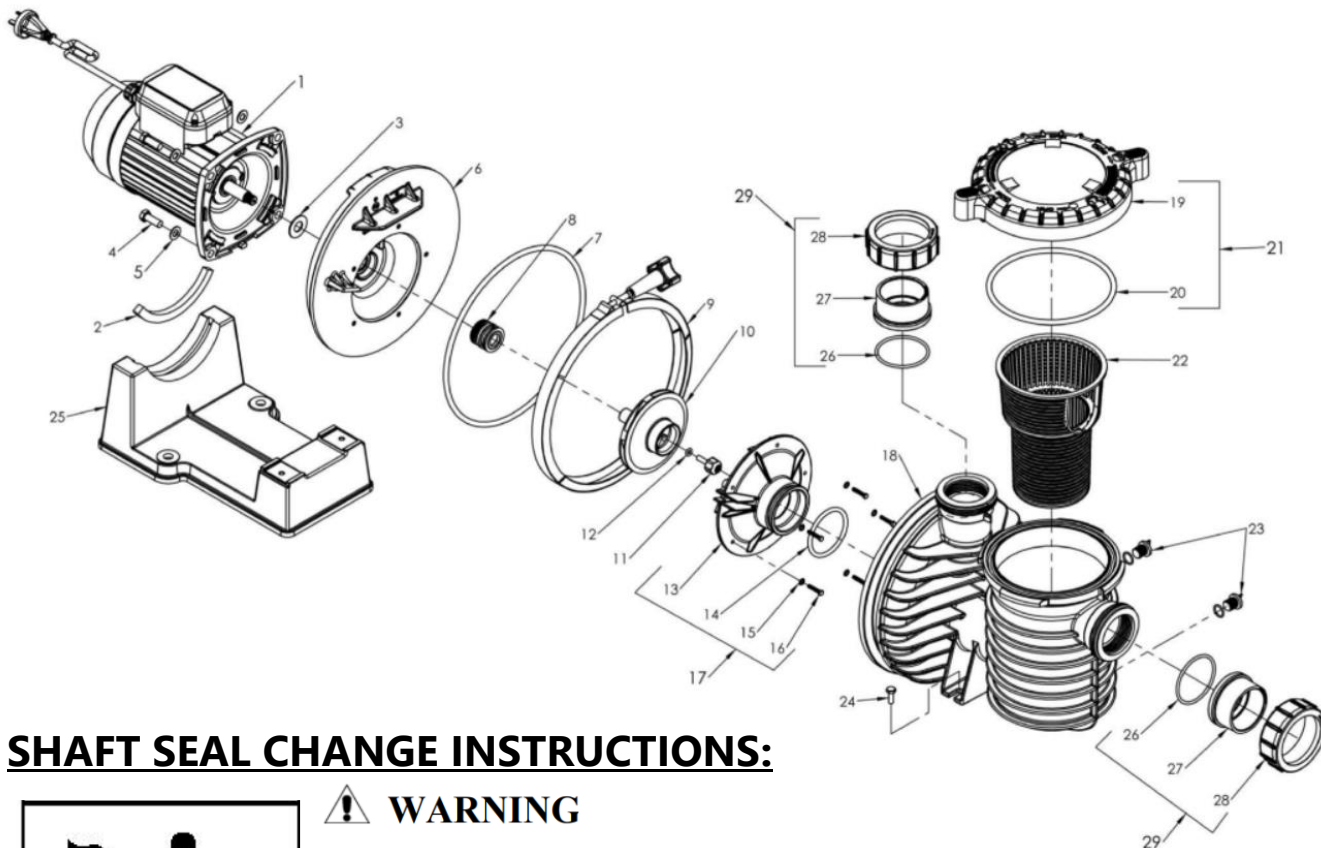




REBUILD KIT

COMPATIBLE WITH

PENTAIR® Max-E-Pro™ Pumps



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.**

Disconnect power to pump motor. Ensure shut-off valves on suction and return piping are closed before starting work on the pump. Release all pressure by opening all vents before starting work. 1. Drain pump by removing drain plugs on bottom of pump body and trap body. 2. Ensure there is no pressure in trap body;

remove cover (unscrew by turning handle ring counterclockwise). 3. Remove clamp holding pump halves together. Motor and seal plate assembly can now be pulled away from pump body. 4. Remove five screws and washers holding diffuser to seal plate. Remove the diffuser. 5. Remove motor cowl and motor fan. 6. Hold shaft with an open-end wrench (or vice grips) on motor shaft flats. 7. Unscrew impeller from shaft (turn counterclockwise when facing it). NOTICE: On models with impeller screw: Remove impeller screw (left hand thread - turn clockwise) and gasket before removing impeller. Inspect gasket for damage, cracks, etc. Replace if damaged. 8. Pull rotating member of seal off of impeller sleeve; clean sleeve. 9. Remove four screws holding seal plate to motor. 10. Place seal plate face down on flat surface and lightly tap out ceramic seat. 11. Clean seal cavity in seal plate and clean motor shaft. Pump Reassembly/Installing New Seal 1. Ceramic seat must be clean and free of dirt, grease, dust, etc. Wet outer edge of rubber cup on ceramic seat with small amount of liquid detergent; press ceramic seat into seal plate firmly and squarely with finger pressure (as per figure to left). 2. If ceramic seat will not locate properly, remove it, place face up on bench and reclean cavity. Repeat Step 1. Ceramic seat should now locate. 3. If seat still will not locate properly, place a cardboard washer over the polished face and use a piece of ¾" (19mm) standard pipe for pressing purposes. NOTICE: Be sure not to scratch or mar the polished surface or the seal will leak. 4. Remount seal plate on motor. Tighten bolts to 69-92 kg/cm torque. 5. Apply a small amount of liquid detergent to inside diameter of rotating half of seal. 6. Slide rotating seal member, polished face last, over impeller sleeve until rubber drive ring hits shoulder. NOTICE: Be sure not to nick or scratch polished seal face; seal will leak if face is damaged. 7. Screw impeller onto shaft (clockwise); this will automatically locate seal in seal plate. NOTICE: On models with impeller screw: Install impeller gasket and lock screw (left-hand thread - turn counterclockwise to tighten). Torque lock screw to 57.6-63 kg/cm. 8. Mount diffuser on seal plate; tighten screws to 11.2-16.1 kg/cm torque. 9. Assemble motor and seal plate to pump casing; ensuring that the body clamp is properly seated. NOTICE: Clamp knob can be located in any position around the pump body; if it is moved after assembly, tighten knob while tapping around the clamp to assist sealing. Do not move clamp while pump is full of water. 10. Prime pump according to instructions in pump manual.

THESE INSTRUCTIONS ARE FOR INFORMATIONAL PURPOSES ONLY. THE MANUFACTURER ASSUMES NO LIABILITY FOR ANY INJURY OR DAMAGE OF PROPERTY. ANY USE OF IMAGES, BRAND NAMES, OR LOGOS ARE FOR THE PURPOSES OF DEMONSTRATING COMPATIBILITY ONLY.

ALL PARTS ARE MADE IN THE UNITED STATES OR SOURCED FROM US SUPPLIERS.

THANK YOU FOR SUPPORTING A SMALL AMERICAN BUSINESS!