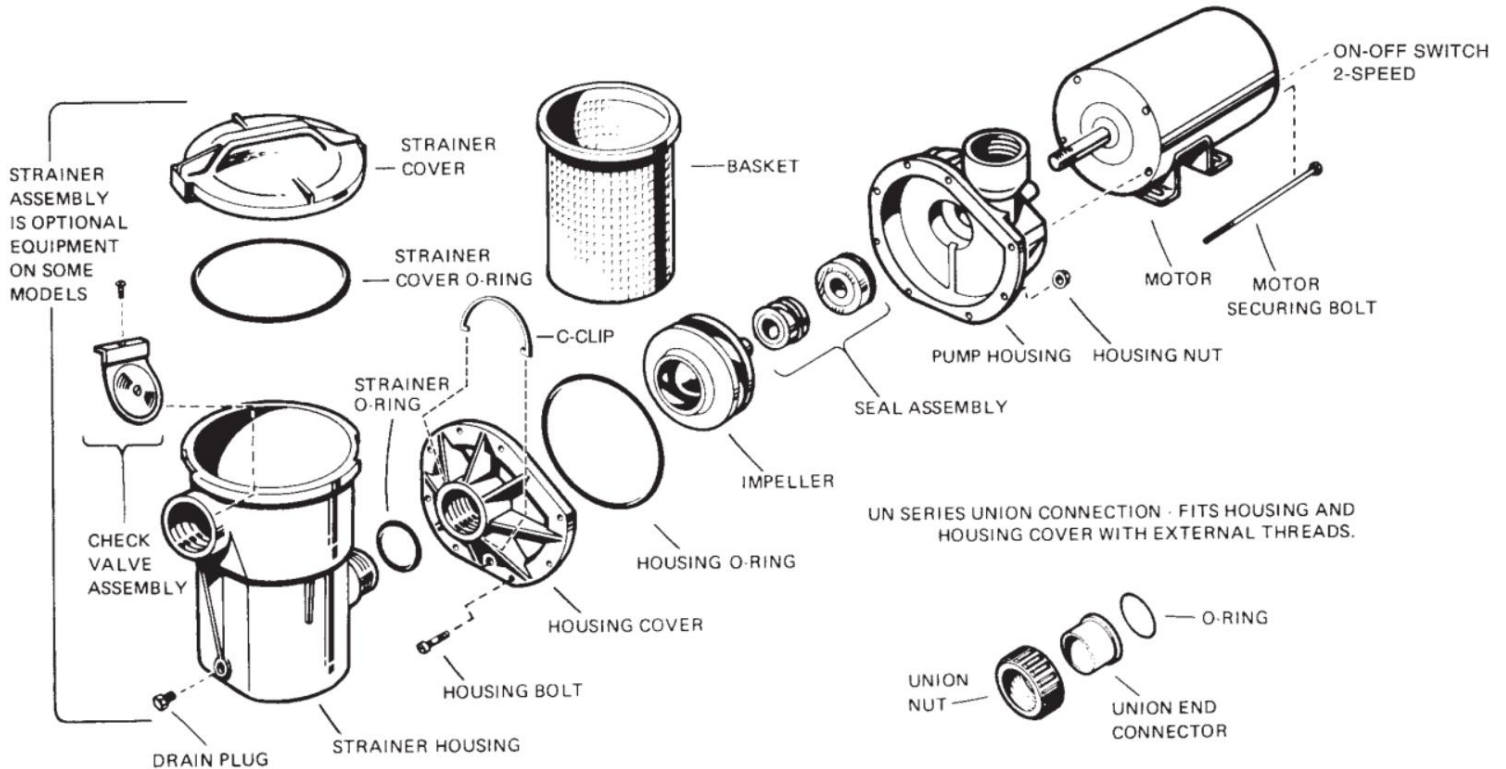




BEAVER ISLAND PARTS COMPANY

REBUILD KIT COMPATIBLE WITH:

HAYWARD® PowerFlo LX™ / PowerFlo II™ / EP Pump Series



INSTRUCTIONS:



Step 1

Disconnect pump from power source. Switch off breaker, and unplug power cord. Wear all personal protective equipment, such as safety glasses and gloves. **Step 2** Disconnect the pump plumbing by removing the union nuts on the pump suction and discharge flanges. **Step 3** Move the pump to a clean and safe workspace, such as a bench top or table. **Step 4** Remove the pump lid by gripping the handle and slowly turning the cover counter clockwise, then pulling up towards you. Once the cover is off, remove the basket and drain any water inside of the strainer housing. **Step 5** Remove the strainer by removing the c-clip that locks it into place. Simply pull it gently outwards towards you and lift it out of place. Gently turn the strainer counter clockwise (if you are facing the strainer) until it can be removed.

Step 6 Remove the front cover strainer. There are 8 bolts that hold it into place. Using an 8mm socket, begin removing the nuts and bolts.

Step 7 Once the front cover has been removed, you'll need to expose the rear end of the shaft. If the motor does not have a cover on the back, you can simply remove the shaft access cover. If the motor has a cover, remove it to access the rear end of the shaft. Using the 1/4" socket, remove the screw that holds the cover to the motor. The cover can be moved to the side exposing the shaft.

Step 8 With a flat head screwdriver, hold the end of the shaft in place while spinning the impeller off of the shaft counter clockwise. Place it to the side for now. **Step 9** Using a 1/4" socket, loosen and remove the motor thru-bolts. If you feel resistance, STOP. Apply a quality penetrating oil to the nuts, and proceed per instructions on can. **Step 10** Once the thru-bolts are removed, the pump housing can be removed. Make note of the pump housing position before removing it. Place the pump housing face down and use the tip of the screwdriver to push the shaft seal out. Be careful not to push on the plastic seat that the shaft seal sits in. **Step 11** Once the ceramic half of the shaft seal is removed, inspect and clean the pump housing making certain that the rubber seat of the shaft seal was removed as well. **Step 12** Remove the "spring" half of the shaft seal from the impeller. You can simply pull to remove it by hand. **Step 12 A** Depending on model and shaft seal construction, it may be necessary to remove the additional metal component on the impeller. Using the pliers, grip the remainder of the shaft seal and remove it by turning and pulling. Clean the impeller shaft and place it aside. The impeller shaft should look like the image below on the left before proceeding.



Step 13

Lubricate the shaft seal seat inside of the pump housing. DO NOT APPLY LUBRICANT TO SEAL FACES.

Step 14

Using a clean paper towel, pick up the ceramic half of the shaft seal (do not touch it with your hands) and push it into place. There should be no lubricant on the seal faces. Clean any excess lubricant from seal faces using rubbing alcohol and a paper towel.

Step 15

Once the shaft seal is in place, you can begin installing the pump housing back onto the motor. Line up the thru bolt holes on the motor with the holes on the back of the pump housing.

Step 16

With the pump housing in place, lubricate the shaft of the impeller. Install the other half of the shaft seal onto the impeller. The black surface of the shaft seal should be facing you once installed. DO NOT APPLY LUBRICANT TO SEAL FACES

Step 17

Using the flat head screwdriver, hold the rear end of the shaft in place and thread the impeller back onto the shaft.

Step 18

Replace the housing o-ring from kit. Lubricate the o-ring before putting it back onto the pump housing.

Step 19

Once the o-ring is in place, you can put the pump housing cover back on. Use the nuts and bolts you removed before to attach it to the pump housing.

Step 20

Lubricate and install new strainer o-ring.

Step 21

The strainer does not need to be threaded on tightly. Once it is upright with a little play, line up the grooves, and install the retaining clip.

Step 22

Lubricate and install new lid o-ring. Lubricate and install new plug o-ring.

Step 23

Re-install the strainer basket and fill the strainer with water to prime the pump, and re-install lid.

Step 24

Lubricate and install union o-rings. Re-install pump to system using union nuts. Turn the power on to the pump and check for leaks. If these are any leaks, turn off the power to the pump and repair the leak.

Step 25

Your project is now complete and your pump should be as good as new. We at Beaver Island Parts Company appreciate your business!

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!