

PUMP REPLACEMENT KIT

Please read complete instructions before replacing components.

Parts Included

Your kit will include the following:

Part #	Qty	Description
100179	1	PUMP,115V,60PSI,1.4GPM
60019	3	BUTT SPLICE, 14/16 AWG
60060	1	RING,#10,18-22 AWG

Tools Required

Red Robertson Screwdriver
Crescent Wrench
#2 Phillips Screwdriver
Needle Nose Pliers
Wire Cutters
Electrical Terminal Crimping Pliers

Assembly Table

PK-2 and PK-3

PUMP WIRE	CORD WIRE	LENGTH	TERMINAL CONNECTOR
BLACK	SMOOTH	15.5"	BUTT SPLICE
WHITE	RIBBED	11"	BUTT SPLICE
GREEN		10"	RING

PK-1

PUMP WIRE	CORD WIRE	LENGTH	TERMINAL CONNECTOR
BLACK	BLACK	16.5"	BUTT SPLICE
WHITE	WHITE	12"	BUTT SPLICE
GREEN	GREEN	12"	BUTT SPLICE

Assembly Instructions

1. Turn your distiller main power off and unplug from wall. Unplug the pump cord from the float box, or unplug from the wall on a 26-14. Drain the holding tank, storing the water for future use if possible.
2. Disconnect the compression fittings from the pump inlet and outlet. Use the Phillips screwdriver to remove the screws attaching the pump body to the wall.
3. Remove the pump box sides using the Robertson screwdriver. Disconnect the ground wire (PK-2 and PK-3 only). Pull the pump out of the box far enough to easily work with the wires. Cut the wires at the butt splice connectors. Try to cut as little wire as possible.

- Cut the new pump wires to the appropriate length, as shown in the assembly table. Double check wire lengths against the old pump before cutting.
- Using the wire strippers on the crimping pliers, remove about 3/8" insulation from each wire.
- Slide the appropriate terminal connector on the end of the new pump wire, as shown in the assembly chart. The wire should be inserted far enough so that the wire insulation is butted against the inside of the connector. Using the crimping pliers, squeeze the neck of the connector until it is firmly attached to the wire. For butt splices, crimp the proper power cord wire into the other end of the butt splice.
- Attach the ground wire to the ground screw on the pump box for PK-2 and PK-3 models. Insert the pump into the pump box, neatly tucking in the wires as you install the pump.
- Reattach the side covers, ensuring that the screws do not pierce any wires.
- Reattach the pump to the wall. Reconnect the pump inlet and outlet lines. Refill the holding tank if you were able to store the distilled water. Plug in the pump and the distiller cord and turn on distiller. Check connections for leaks.

Once the storage tank has approximately 1 or 2 inches of water in it, the pump will automatically pressure up the lines and then shut off. If the pump cycles in short pulses, there could be a small water leak. Double check all the lines and connections. If pump continues to cycle and no leaks are found, adjust the pump using a No. 2 mm Allen wrench to decrease the pressure.

