

## **Pump Replacement Instructions**

Items included:

- 1 qty Replacement Pump (no plug)
- 2 qty Butt Connectors (to attach old plug)



Your new pump requires reusing the 2 prong male plug from your broken pump (no longer available). If you are not qualified to perform electrical work hire a electrician.

Please follow these steps:

- 1 - Unplug water distiller (turning power off is not enough) and 2 prong pump connection.
  - 2 - Drain distilled water from storage tank and grab some towels.
  - 3 - Remove (4) nuts holding existing pump kit in place.
  - 4 - Remove water connection fittings.
  - 5 - Disconnect ground wire and remove pump from stainless steel box.
  - 6 - Set new pump in existing stainless steel box and connect the ground wire to the box.
  - 7 - Connect new pump to water connections.
  - 8 - Mount pump kit to bottom of water distiller (or back on wall).
  - 9 - Measure bare pump wires distance to the pump power port on the water distiller.
  - 10 - Cut old 2 prong pump cord connection off old pump. Ensure its long enough to reach the power port on the water distiller.
  - 11 - Strip the wire shielding back 1/4" on both the 2 pump and 2 plug end wires.
  - 12 - Use wire crimpers to crimp the new pump wires to the 2 prong plug using the supplied butt connectors.
  - 13 - Using an electrical meter you can confirm a proper electrical bond (grounding). Switch your electrical meter to ohms/ resistance ( $\Omega$ ). OL (open loop) should appear indicating no conductance. Then secure one meter lead to the water pump box and the other lead to the distiller head. With a good ground bonding connection the meter should 0.1-0.2 or some digital meters will read 00.0. If the resistance is  $>0.3$  or OL check the connections. Contacts maybe loose or dirty. *Electrical meters vary. Read your owners manual to confirm our suggestions are correct for your meter.*
- **DO NOT PLUG WATER DISTILLER INTO POWER OUTLET WITHOUT GOOD BONDING BETWEEN THE WATER PUMP AND DISTILLER HEAD.**
  - **DO NOT USE A ELECTRICAL OUTLET THAT IS NOT PROPERLY GROUNDED.**