

Replacement Instructions for SW-23 PUMP ASSEMBLY

Tools required: Phillips Head Screwdriver, Slip Joint Pliers, 5/16" Nut Driver, Pliers, Knife, Safety Gloves, and Shop Towel.

Before beginning, pump any fluid from the machine out into buckets or empty fluid boxes. This will make changing the parts easier and allow for cleaning of any sludge buildup that may be in the base.

1. Unplug the SmartWasher from the power source.
2. Remove the quick release pins that secure the sink to the base.
3. Disconnect the sink hose from the base by releasing the metal rings on the quick connect coupling.
4. Remove the sink and set aside.
5. On the outside of the base, detach the control box lid by removing four screws with the Phillips head screwdriver.
6. On the inside of the base, detach the heater box lid by removing four screws with the Phillips head screwdriver. **BE CAREFUL NOT TO DROP THE SCREWS INTO THE BASE.**
7. Using the pliers, disconnect the pump wires (left) from the control board. ***See diagram***
8. Locate the black InstaGrip tubing that connects the pump to the interior base wall. Using the 5/16" nut driver, loosen the adjustable hose clamp.
9. Use the knife to make a small cut in the InstaGrip tubing where it connects to the base. Disconnect the pump hose from the angled hose barb.
10. Use the slip joint pliers to loosen the grey liquid tight compression nut on the side of the heater box. Disconnect the grey liquid tight tubing from the liquid tight connector.
11. On the outside of the base, pull the pump wires from the control box through the bulkhead fitting into the heater box inside of the base, then out through the liquid tight connector.
12. Remove the pump assembly from the base and set aside.
13. Using the slip joint pliers, unscrew the liquid tight connector from the heater box and discard.
14. On the NEW pump, loosen the grey liquid tight compression nut until it slides freely on the grey tubing. Disconnect and install this liquid tight connector on the heater box using the slip joint pliers.
15. Place new pump assembly in base and feed the pump wires through the grey liquid tight connector into the heater box.
16. Firmly push the grey tubing into liquid tight connector. Hand tighten the liquid tight compression nut. Use the slip joint pliers to tighten an additional ¼ turn.
17. Reattach the black pump hose to the angled hose barb in the side of the base. Using the 5/16" nut driver, tighten the adjustable hose clamp on the black tubing around the hose barb until connection is secure.
18. Feed the pump wires through the bulkhead fitting and reconnect to the control board (left) inside the control box. From top to bottom, the wires should be: brown, blue, and yellow/green. See diagram.
19. Replace the heater box lid and tighten the screws using the Phillips head screwdriver. **BE CAREFUL NOT TO DROP THE SCREWS INTO THE BASE.**
20. Replace the control box lid and tighten the screws using the Phillips head screwdriver.
21. Replace the sink. Plug the quick release pins back into the sides of the base. Reconnect the sink hose and push the metal rings toward the base to lock into place.
22. Replace the fluid in the base of the SmartWasher. Plug unit into power source and test.

If you have any questions about these procedures or if your SmartWasher is configured differently than described in these instructions, PLEASE CALL CHEMFREE CUSTOMER SERVICE AT 1-800-521-7182 or visit us on the web at www.chemfree.com for more detailed instructions, including instructional videos.

Control Box Assembly



- PUMP WIRES
 - Brown
 - Blue
 - Yellow/ Green

BULKHEAD FITTING

Base Assembly (interior)



- Angled Hose Barb
- Adjustable hose clamp
- InstaGrip Tubing
- Pump

- Heater Box
- Heater Box Lid
- Liquid Tight Connector
- Liquid Tight Tubing

NOTE: Pump assembly includes fittings, gray liquid tight & black InstaGrip tubing