

# Replacing the Auto Shutoff With a Solenoid Valve on Economy Reverse Osmosis C/W Booster Pump (Model # EBP75TFC-3SF)

The kit (Part #92374) consists of the following

- a) Solenoid Valve 24V (Qty 1)
- b) Blue Wire Nuts (Qty 2)
- c) Blue 1/4" Tubing (9" length)
- d) Red 1/4" Tubing (14" length)
- e) Black 1/4" Tubing (19" Length)
- f) Pull Ties (2)
- g) Elbow 1/4" NPT X 1/4" Quick Connect
- h) Adapter 1/4" NPT X 1/4" Quick Connect
- i) Screw for the mounting the solenoid to the RO Bracket

Please verify that you have received all the components in the kit as described above

Tools Required:

- 11/16" Wrench
- Knife or Wire Stripper
- Phillips Screwdriver

## Replacement Instructions

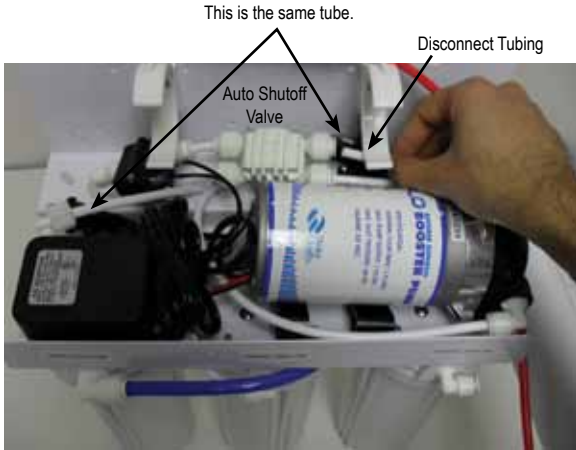
1. Disconnect the booster pump power supply.
2. Unscrew the white compression nut from the membrane housing using 11/16" wrench and disconnect the white tubing.



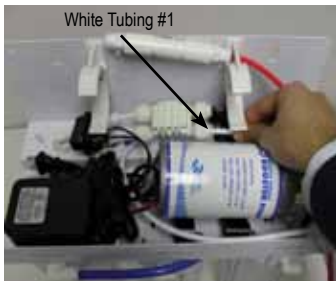
3. Remove the RO membrane housing from the clips and hang it to the side of the RO Module



4. Remove the white tubing from the Auto Shut off as shown below. This tubing is the other end of the tubing removed from the RO membrane housing. Pull this white tubing out from the RO bracket/module and save it for future use for this installation.



5. Remove the other three white tubings from the auto shut off valve and discard the auto shut off valve.



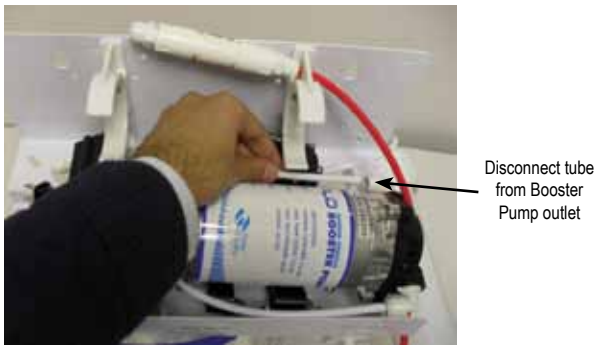
Below is what the RO would look like at this step.



6. Remove and discard the small white tube from the high pressure switch.



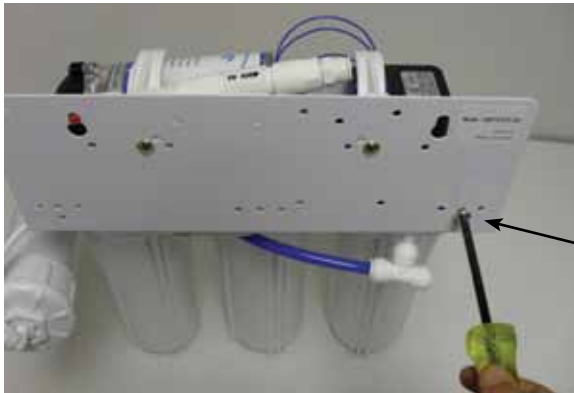
7. Remove the white tubing connection to the outlet of the booster pump.



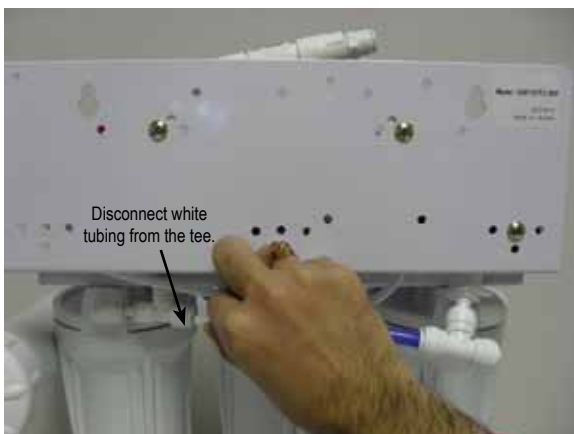
8. Install the elbow (1/4" NPT X 1/4" Quick Connect) supplied to the solenoid valve at the port where the arrow is pointing towards. Install the adapter (1/4" NPT X 1/4" Quick Connect) to the other side of the solenoid valve. Apply Teflon tape on the threads of the fittings. Note the black arrow on the solenoid valve.



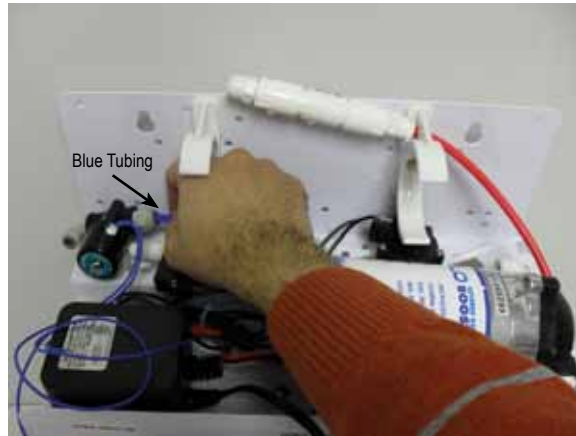
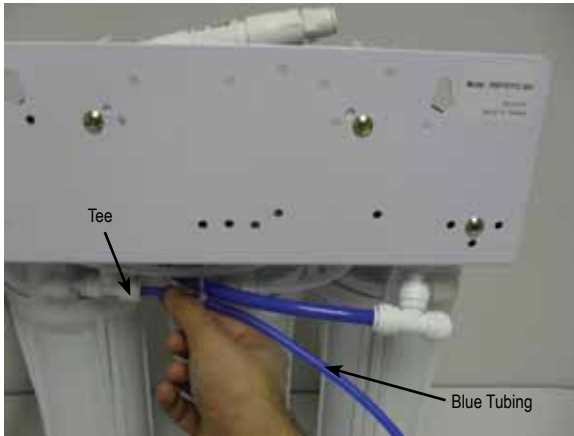
9. Attach solenoid valve to the bracket with the screw provided. Please refer to the pictures below.



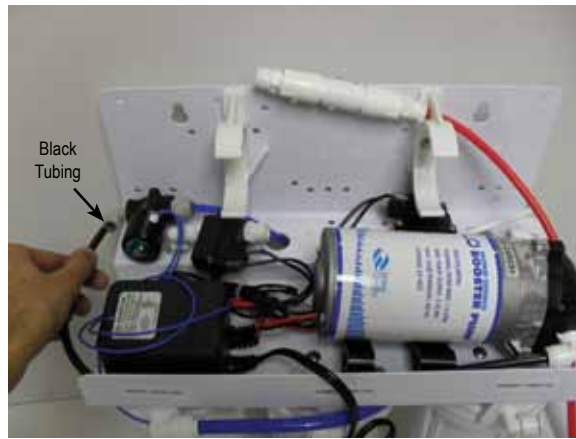
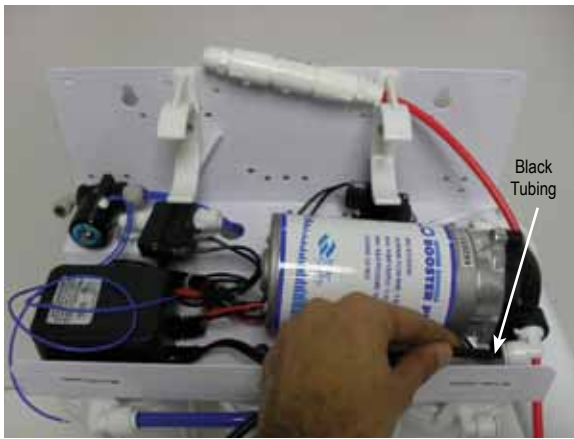
10. Disconnect the white tubing from the tee as shown. Also disconnect the other end of this white tubing from the inlet of the booster pump. Discard this white tubing.



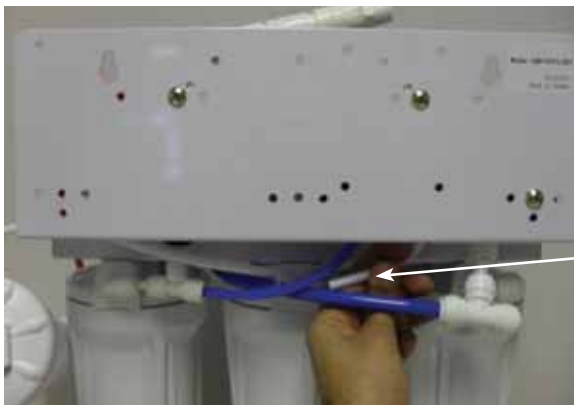
11. Connect one end of 9" blue tubing to the tee as shown below. Connect the other end of the blue tubing to the inlet of the solenoid valve.



12. Connect the 19" black tubing to the inlet of the booster pump and connect the other end to the outlet of the solenoid as shown below.



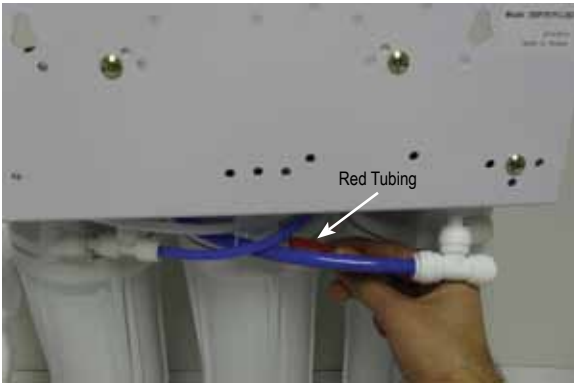
13. Disconnect the white tubing from the elbow of the middle sump.



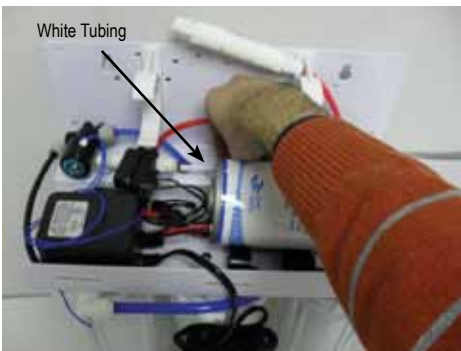
Disconnect white tubing from middle sump



14. Connect the 14" red tubing to the elbow of the middle sump. Connect the other end of the red tubing to the inlet of the booster pump.



15. Take the white tubing collected from step 4. Connect the tubing (the end without the nut) to the high pressure switch. Install the RO Membrane housing back to its clips and re-connect the other end of the white tubing to the membrane housing.



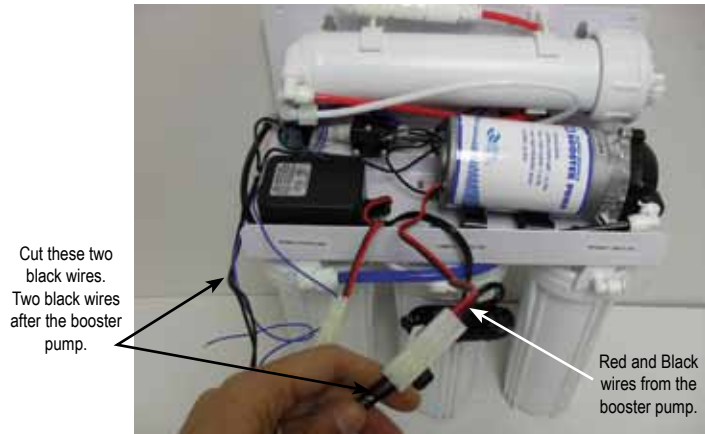
16. Snip the cable ties holding the wires on to the bracket.



**Wiring - Please refer to the wiring diagram at the last page. Identify the components as shown below**



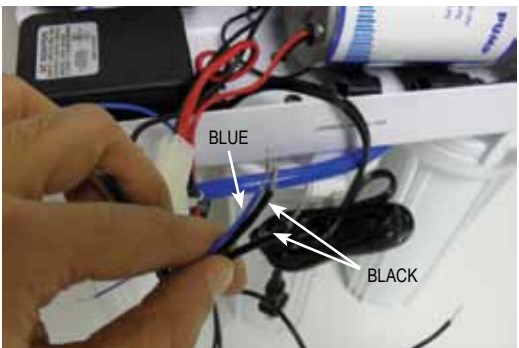
17. Locate the black and red wires coming from the pump. Follow these black and red wires to the connector. On the other side of the connector cut the two black wires.



18. Strip all 4 wires bare.



19. Connect one blue wire and two black wires using the blue wire nut provided. Connect the other blue wire and two black wires using the other blue wire nut provided.

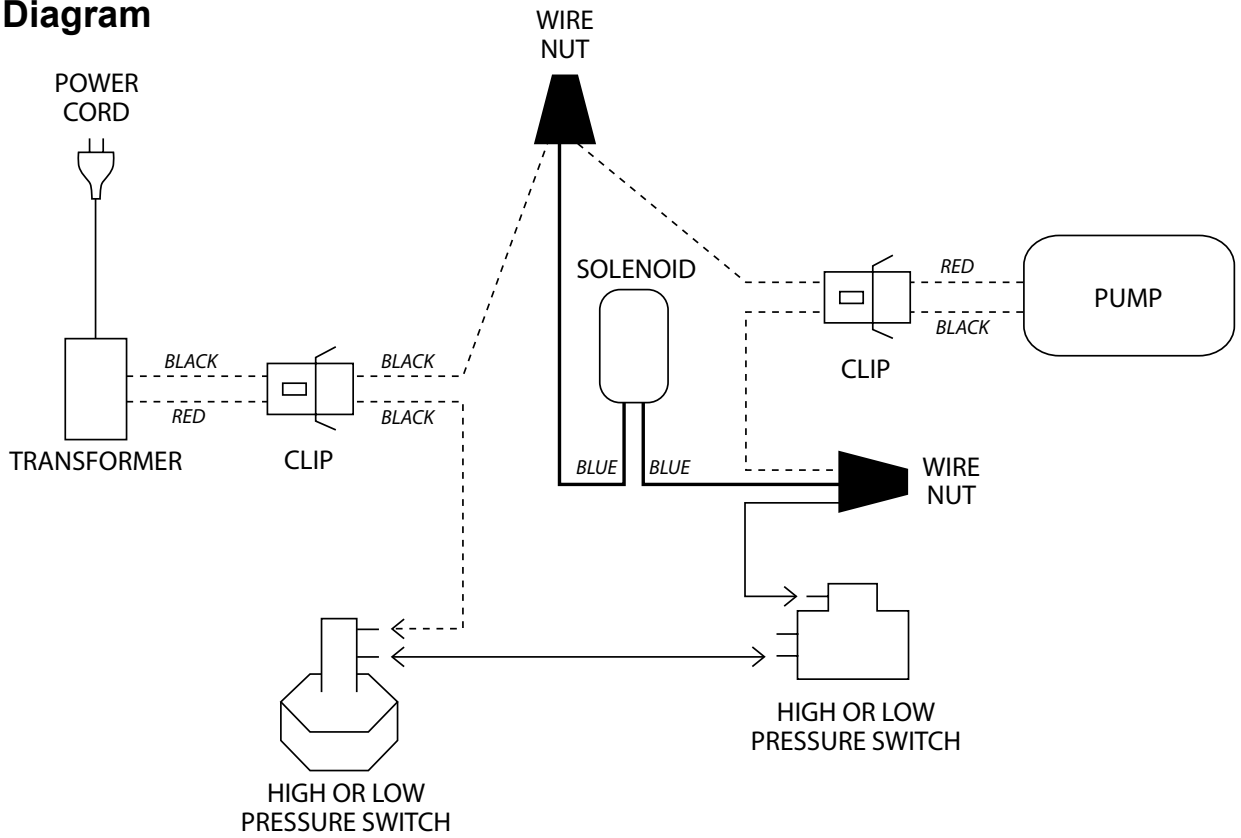


20. Use a cable tie to bind the wires back together onto the bracket.

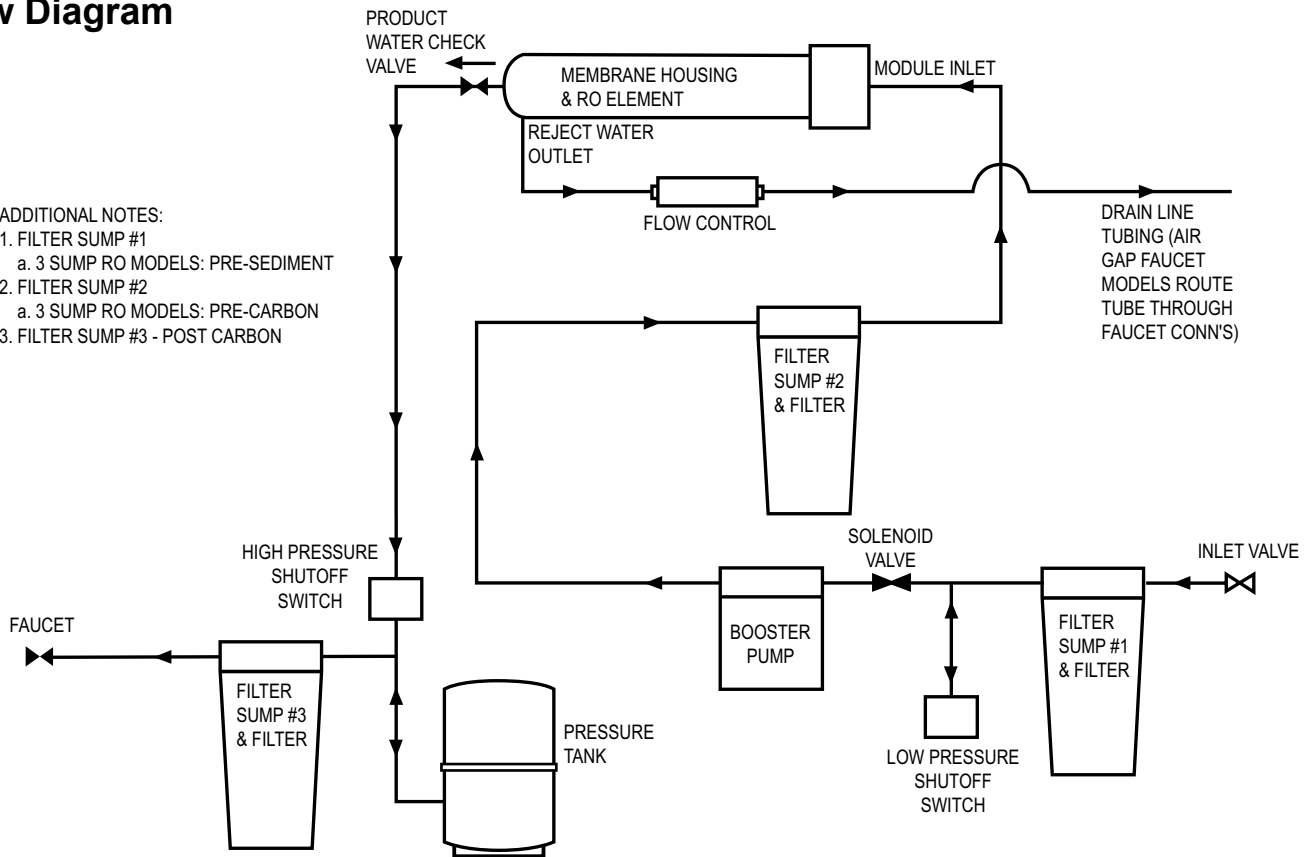


21. Reconnect the power supply.

# Wiring Diagram



# Flow Diagram



- ADDITIONAL NOTES:
- 1. FILTER SUMP #1
    - a. 3 SUMP RO MODELS: PRE-SEDIMENT
  - 2. FILTER SUMP #2
    - a. 3 SUMP RO MODELS: PRE-CARBON
  - 3. FILTER SUMP #3 - POST CARBON