

INSTALLATION INSTRUCTIONS

For use with models GXRV10, GXRM10, PNRQ15, PNRQ20, PNRV12 (beginning on page 1) and PNRV18 (beginning on page 4)

INSTALLATION NOTES

- Use pipe thread-sealing tape (provided) on threaded connections.
- Tubing may be cut to desired length.
- When connecting the kit to a refrigerator water dispenser, a slightly lower dispenser water pressure may be noticed. This is normal.
- It is normal for the GREEN light to flash on the faucet monitor when the icemaker or dispenser calls for water (on some models).
- **Before installing the icemaker kit, install the Reverse Osmosis Filtration System according to the installation instructions.**

KIT CONTENTS

- Storage tank
- Tank adapter
- 6 ft. 3/8" orange tubing
- 2 Tee fittings with push-to-connect ends
- Brass tubing adapter, nut and washer assembly
- 33 ft. 3/8" blue tubing
- Pipe thread tape
- 1 ft. 3/8" orange tubing

TOOLS AND MATERIALS REQUIRED

- Utility knife
- Pliers and adjustable jaw wrench

CONNECTING THE AUXILIARY TANK—FOR MODELS GXRV10, GXRM10, PNRQ15, PNRQ20, PNRV12

1. Turn off the icemaker.
2. Turn off the water supply to the Reverse Osmosis Filtration System by closing the water supply valve (Fig. 1).
3. Drain the RO system and tank. Turn on the RO faucet located on the sink or countertop (Fig. 1). Let the water drain from the system until water has stopped flowing. On models equipped with a tank shutoff valve, make sure the valve is open so that the tank will drain. Close the RO faucet.
4. Cut the 3/8" tubing that connects the storage tank to the RO system (Fig. 2); this tubing will be either orange, gray or white, depending on model. Make sure the cut is clean and straight with no burrs or crimps. Insert on Tee fitting between the two cut ends of the tubing (Fig. 2). Push the tubing into the fitting until it stops—about 1/2". Give tubing a tug to make sure it is seated securely.
5. Connect the tank to the Tee using the 6 ft. length orange tubing.

Fig. 1

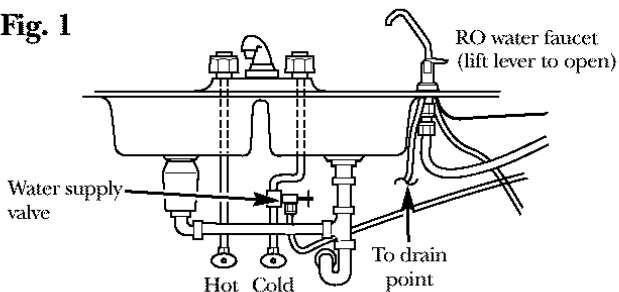
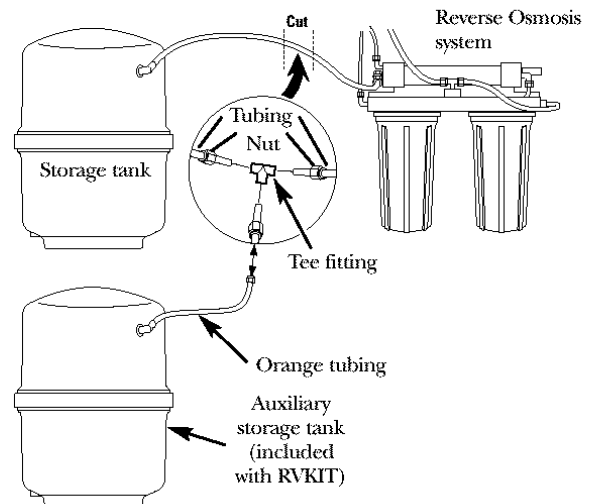


Fig. 2



CONNECTING TO THE ICEMAKER—FOR MODELS GXRV10, GXRM10, PNRV12

1. Locate the 3/8" tubing that supplies the product water to the RO faucet. It will be blue, gray or white, depending on the model. **Do not confuse the product water tubing with the drain water tubing that also goes to the faucet (black or white on most models).** At a convenient point between the faucet and the electronics box (on some models), cut the tubing and install the second Tee fitting. Connect one end of the 33-foot length of blue tubing as shown in Fig. 4.
2. **Turn off icemaker water supply.** Disconnect the water source tubing from the refrigerator.
3. Connect the brass tubing adapter to the free end of the 33-foot length of blue tubing. Shorten tubing to desired length. Attach the other end of the adapter to the icemaker water valve. Be sure to install the plastic washer into the tubing adapter as shown in Fig. 5.

SANITIZING THE SYSTEM—FOR MODELS GXRV10, GXRM10, PNRV12

See your Reverse Osmosis System Owner's Manual for complete Sanitization Instructions.

1. Remove the sumps. Remove the filters and place in a clean plastic bag. If it has been six months since you last replaced filters, go ahead and discard them and replace with new filters.
2. Thoroughly wash sumps with dish soap. Thoroughly wipe inside of head with a paper towel moistened with dish soap. Rinse well.
3. Remove cap from RO cartridge housing. Remove the RO cartridge and place in a clean plastic bag. Thoroughly wipe inside the housing and cap with a paper towel or dish brush moistened with dish soap. Rinse well.
4. Replace empty postfilter sump and RO housing cap.
5. Fill prefilter sump with water to within 1" of o-ring. Add 2 oz. (4 Tbsp.) of ordinary household bleach. Replace prefilter sump.
6. Make sure both tanks are sitting at the same elevation. Otherwise, the higher tank may not be sanitized properly. Turn on water supply. Open RO faucet until water begins to flow, then close. Allow system to fill for one minute.
7. Open the faucet and allow water to flow for 10 minutes. Close faucet for one minute more, then open and allow water to flow for another 10 minutes, or until the bleach odor is gone. Turn off water supply again. Drain RO system.
8. Remove sumps. Insert filters. Lubricate o-ring with food-grade silicone grease, if necessary. **Do not use petroleum jelly.** Tighten sumps securely.
9. Remove cap from RO cartridge housing. Install RO cartridge, o-ring end first. Lubricate cover o-ring with food-grade silicone grease, if necessary. **Do not use petroleum jelly.** Tighten cap securely.
10. Turn on water supply. Allow to fill. It may take 4–8 hours to fill both tanks. **Check for leaks.**
11. If you replace the prefilter and postfilter, allow faucet to run a few minutes to remove harmless carbon particles.
12. Once storage tanks are full, turn on icemaker. If you have a concern that some of the bleach water may have backwashed into the icemaker inlet lines, discard the first two batches of ice. Or, drain your dispenser tank until water no longer runs cold, and check for bleach taste and odor.

Fig. 3

This tubing adapter can be used on most icemakers. Obtain needed fitting for others.

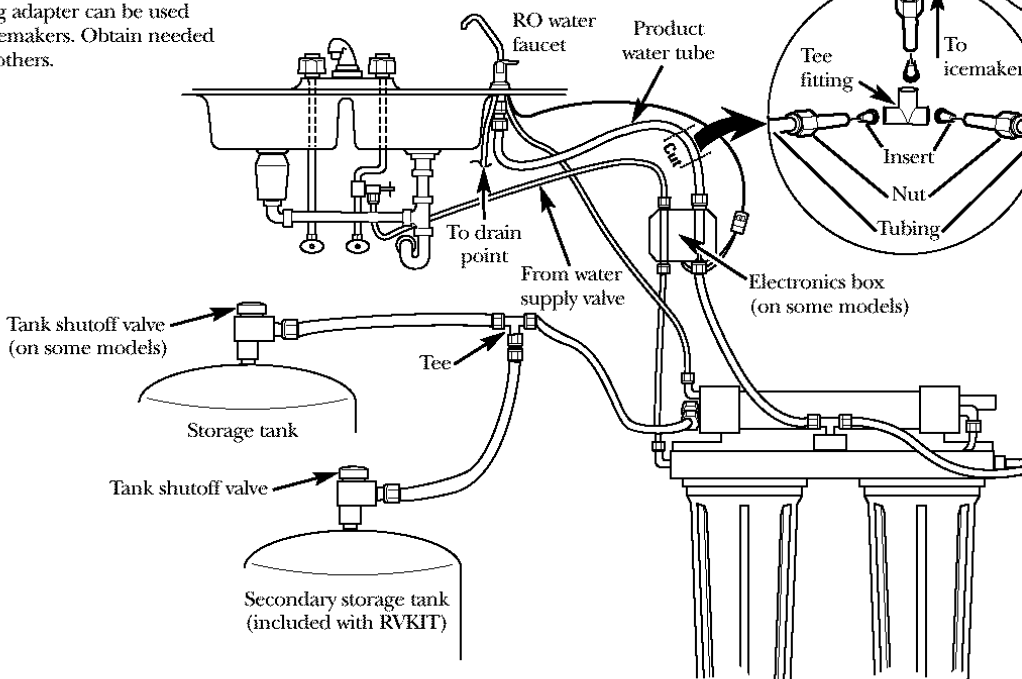


Fig. 4

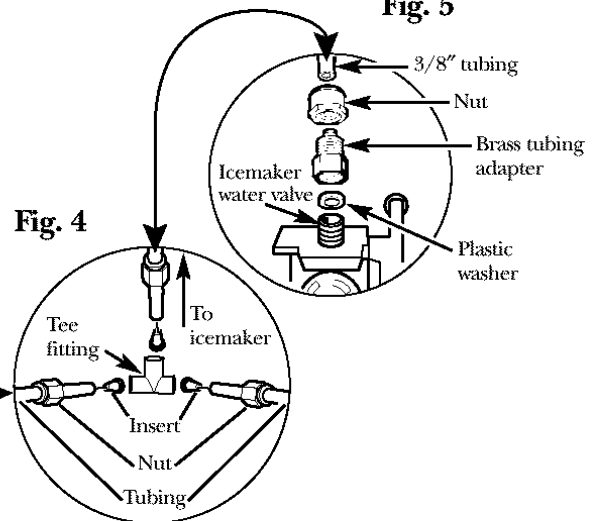


Fig. 5

SANITIZING THE SYSTEM—FOR MODELS PNRQ15, PNRQ20

See your Reverse Osmosis System Owner's Manual for complete Sanitization Instructions.

1. Turn off the icemaker (if attached to the system).
 2. Turn off the water supply to the system.
 3. Turn on the RO faucet to drain that tank (it may take several minutes). Turn OFF the faucet when the tank is empty.
- ▲ CAUTION:** Failure to close the water supply valve or to drain the tank will cause water to spray or run when canisters are removed.
4. Remove the prefilter, postfilter and RO canister by rotating to the left about 1/3 turn.
 5. Fill the empty canister labeled "Sanitization Canister" with water to within 1" of the upper opening. Add 1 oz. (2 Tbsp.) of ordinary household bleach. Install canister into the prefilter canister position by turning to the right about 1/3 turn until the alignment marks line up and the canister stops.
 6. Install by-pass plugs into the RO canister and postfilter opening in the manifold by turning to the right about 1/3 turn until the alignment marks line up and the canister stops.
 7. Turn on the water supply. Turn on the faucet until water begins to flow from the faucet, then turn the faucet off. Allow the system to fill for 10 minutes.
 8. Turn the faucet on and allow water to flow for 20 minutes, or until bleach odor is gone. Turn off the water supply again. Turn on the faucet to drain the system.

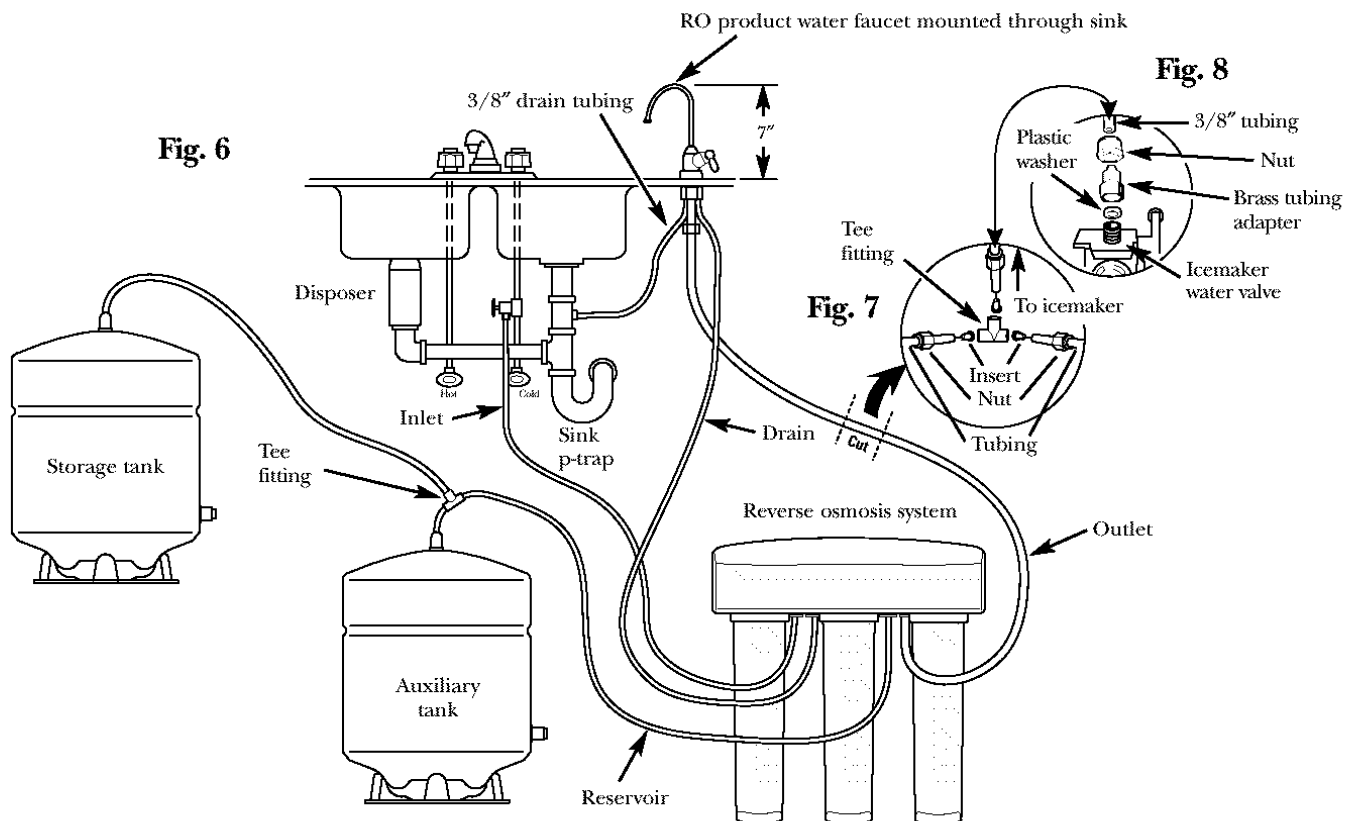
9. Once the system is drained, turn the faucet off and remove the canister and plugs by turning to the left about 1/3 turn. Keep these in a safe place until needed the next time.
10. If you are replacing the canisters, remove the foil on the top of the new replacement filter canisters or RO canister. Install canisters into the manifold by turning to the right about 1/3 turn until the alignment marks line up and the canisters stop. **DO NOT OVERTIGHTEN.**

11. Turn on the water supply to fill the system (it may take up to 4 hours). **Check for leaks.**

PNRQ15: Remove the battery tray and replace the battery to reset timer in faucet base.

PNRQ20: Remove the batteries from the battery holder and replace batteries to reset timer and 900 gallon monitor functions.

12. If the prefilter and postfilter are replaced, turn the faucet on and empty the filled storage tank.
13. Once the storage tank is full, turn on the icemaker.



CONNECTING THE AUXILIARY TANK—FOR MODEL PNRV18

1. Turn off the water supply to the Reverse Osmosis system by closing (clockwise rotation) the **water supply valve** (Fig. 9). Shut off the water from the Reverse Osmosis tank of the postfilter by closing the **RED tank shutoff valve** (Fig. 10). Lift the lever on the **RO water faucet** located on the sink or countertop. Let water drain from the system. Close the faucet when the water has stopped flowing.

Fig. 9

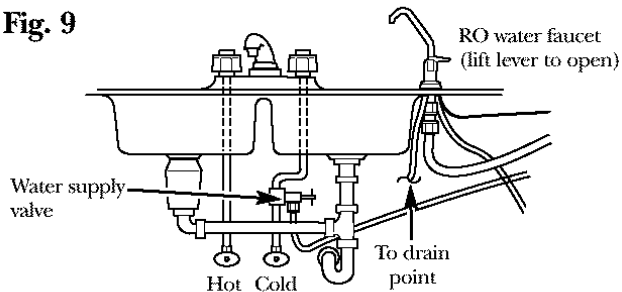
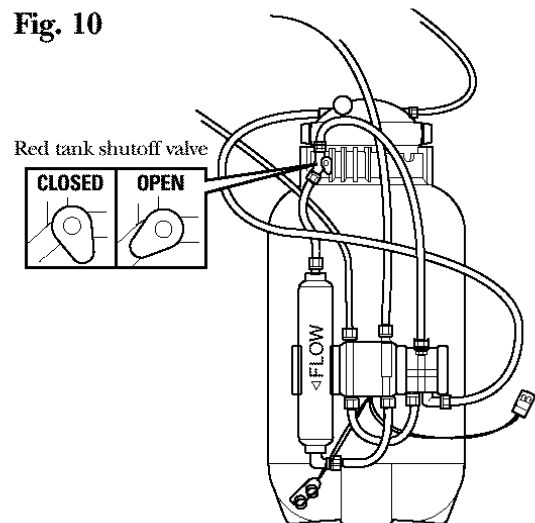
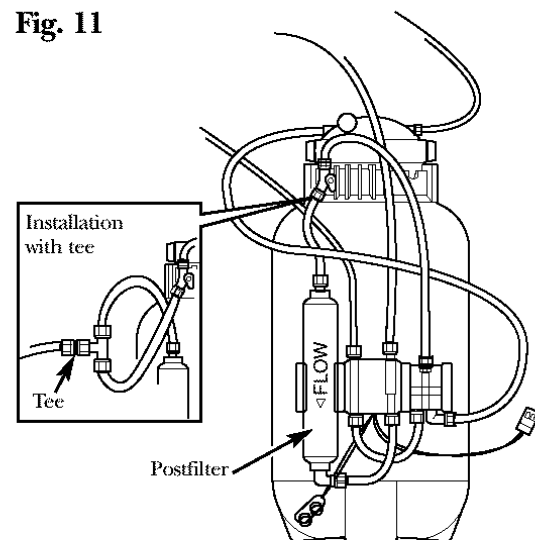


Fig. 10



2. Unscrew the 3/8" tubing from the top of the postfilter. Using one of the 3/8" tee fittings from the parts bag, connect the fitting to the end of the tube that was attached to the inlet of the postfilter. Using the 12" section of the 3/8" orange tubing (provided), connect the tee fitting to the postfilter (Fig. 11).
3. Remove the **icemaker storage tank** from its packing. Connect the tank adapter to the tank. Use Teflon™ tape on the threads.
4. Connect the tank to the tee fitting using the 6 ft. length of orange tubing.

Fig. 11



CONNECTING TO THE ICEMAKER—FOR MODEL PNRV18

1. Locate 3/8" tubing that supplies the product water to the RO faucet. At a convenient point between the faucet and the electronics box, cut the tubing and install the 3/8" tee fitting. Connect one end of the 33 ft. length of 3/8" blue tubing to the tee, as shown in Fig. 13.
2. **Turn off the icemaker.** Turn off current icemaker water source (if applicable). Disconnect the present water source tubing from the refrigerator.
3. Connect the brass tubing adapter from the parts bag to the free end of the 33 ft. length of 3/8" blue tubing. Attach the other end of the adapter to the icemaker water valve. Be sure to install the plastic washer into the tubing adapter as shown in Fig. 14.

4. Turn on the water supply to the Reverse Osmosis system. Check the shutoff valve on top of the extra storage tank to ensure it is in the open position. Sanitize the system (see next page).
5. **Check the installation for leaks.** Turn the icemaker back on.

Fig. 12

This tubing adapter can be used on most icemakers. Obtain needed fitting for others.

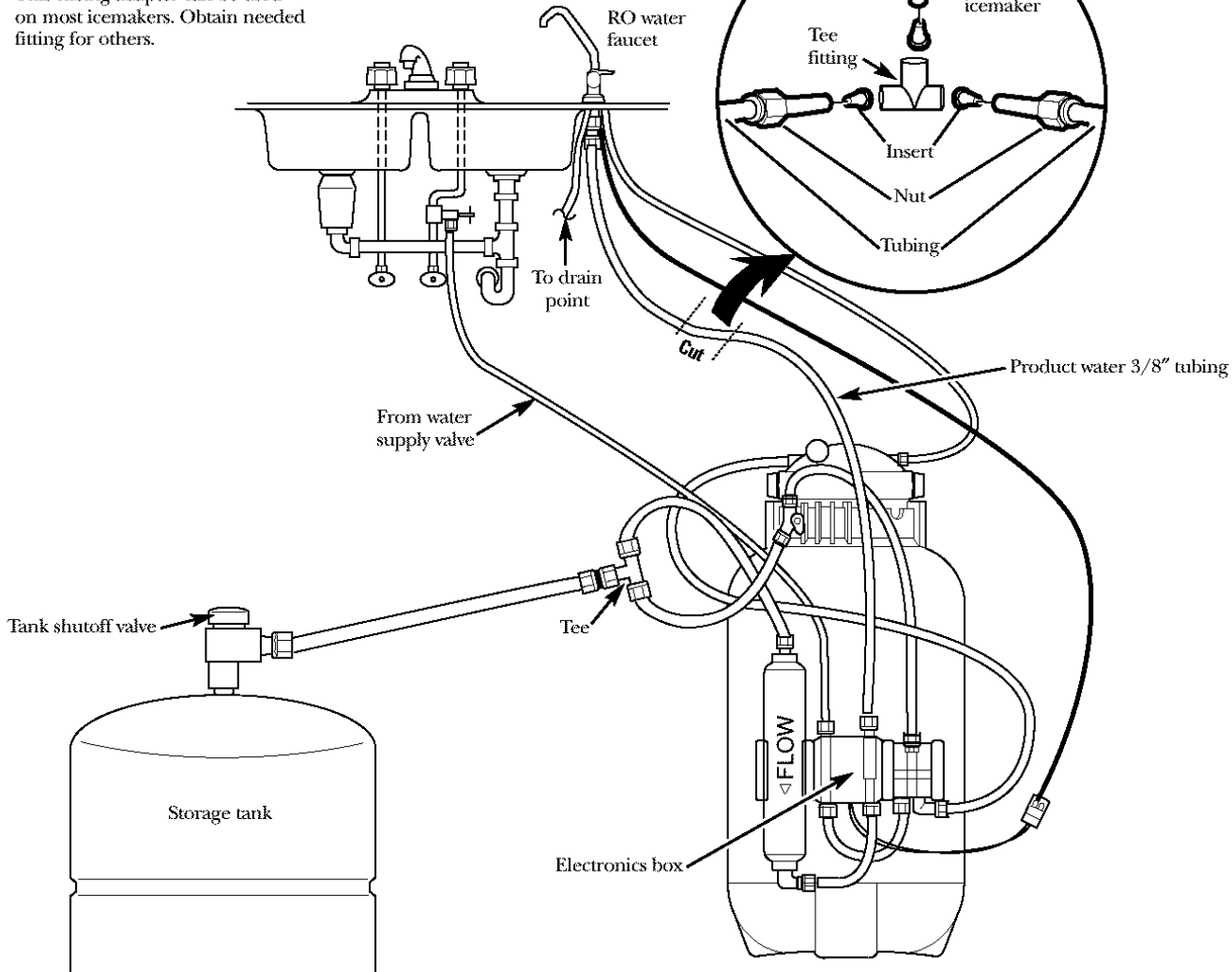


Fig. 13

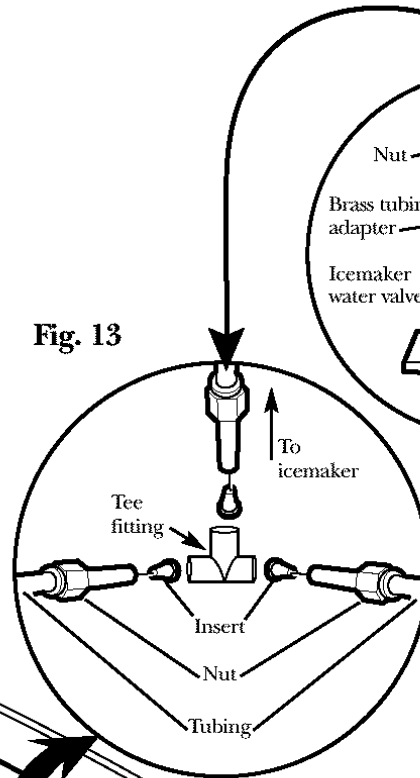
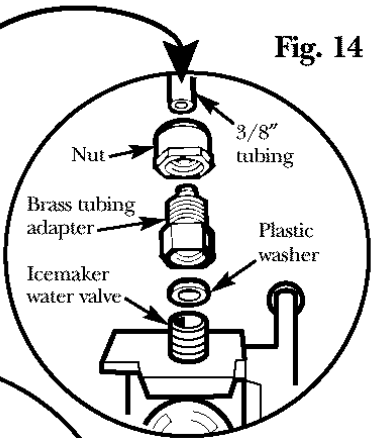


Fig. 14



SANITIZING THE SYSTEM—FOR MODEL PNRV18

Sanitize upon installation of the Reverse Osmosis system and after servicing inner parts of the Reverse Osmosis system, including replacement of prefilter, postfilter and Reverse Osmosis cartridge. It is important to wash hands with anti-bacterial soap before handling inner parts of the system.

▲ CAUTION: If installing unit in New Construction, ensure house plumbing is flushed thoroughly before opening the water supply valve. Also, before sanitizing, be sure to remove all cartridges as follows. Chlorine will destroy the RO cartridge.

1. Be sure the water supply valve to the Reverse Osmosis system is turned off and the RO water faucet is open. Allow the system to drain completely (this takes several minutes).
2. Place a dry towel under unit. Remove the clamp retainers and clamp sections from top of unit.
3. Lift the Reverse Osmosis cap straight up (a slight resistance is normal) from the Reverse Osmosis housing (no need to disconnect tubing) and move aside.

NOTE: If the cap o-ring seal remained in the RO housing, replace it on the cap.

4. Remove the RO cartridge and outer prefilter cartridge from the RO housing and place in a clean plastic bag. Dispose of water from the RO housing.
5. Fill the RO housing with fresh cold water, to about 1" from the top. Add one ounce (2 Tbsp.) of ordinary 5.25% household chlorine bleach and mix into the water. **Do not add chlorine first.** Concentrated chlorine may damage plastics.
6. Replace RO cap, with the o-ring, and install the clamp retainers.
7. Close the red tank shutoff valve and disconnect postfilter at the tank shutoff valve. Connect the RO product water tubing (disconnect at electronics box) directly to the tank shutoff valve, isolating the carbon postfilter as shown in Fig. 15B.
8. Open the red tank shutoff valve and the water supply valve to the Reverse Osmosis system. Allow system to fill for one minute. Now open the RO water faucet, locking the lever upward against the spout.
9. Allow water to flow through the Reverse Osmosis system until all the bleach odor is gone (approximately 20 minutes).
10. Turn off the water supply valve to the Reverse Osmosis system. Close the RO water faucet AFTER the water flow stops.
11. Close the red tank shutoff valve. Disconnect the water product line from the red tank shutoff valve and connect to the electronics box. Reconnect postfilter line to red tank shutoff valve. Open red tank shutoff valve.
12. **a.** Repeat steps two and three. Be careful of water in the RO housing. Dispose of water.
b. Replace the RO cartridge with the o-ring seal downward and the prefilter cartridge with "this side up" facing upward. **Be sure hands have been cleaned with an anti-bacterial soap.**
c. Repeat step 6.

Fig. 15A

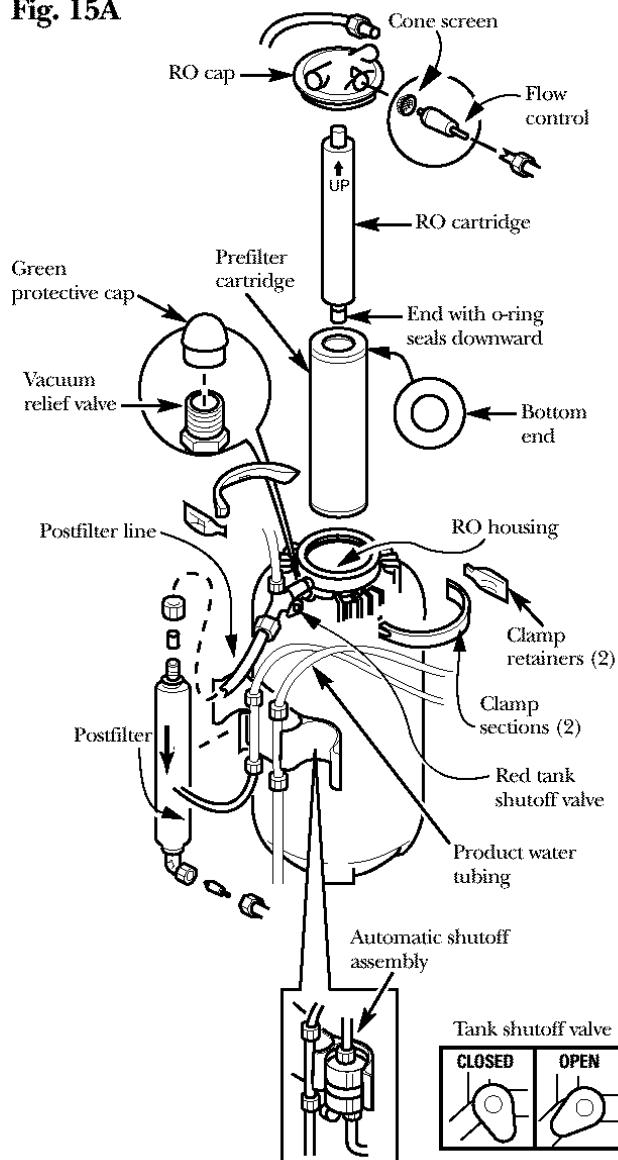
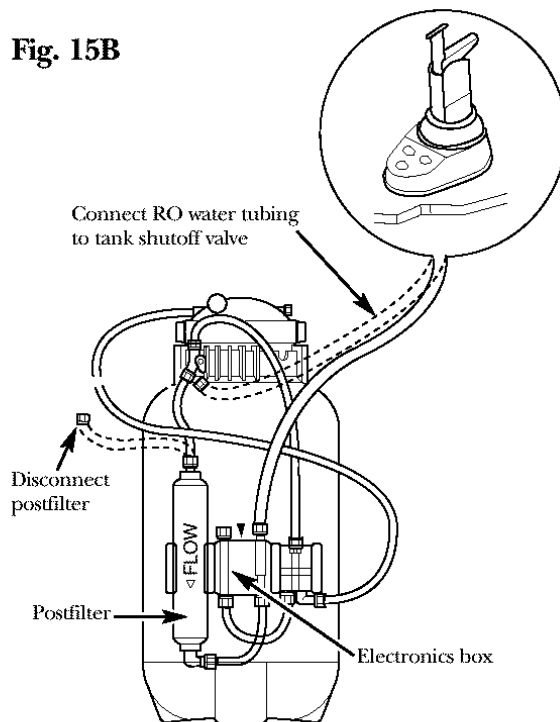


Fig. 15B



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