

Parts of the System

- Filter system assembly
- Water supply fitting
- Filtered water faucet for sink or countertop mounting
- Color coded 3/8" tubing to make all needed connections

Materials and Tools Needed

NOTE: Gather the required tools before starting installation. Read and follow the instructions provided with any tools listed here.

- Slotted and Phillips screwdrivers
- Pliers and adjustable jaw wrench
- Tubing cutter
- Electric drill and 1-1/4" drill bit if mounting hole is needed for the faucet

IMPORTANT: To avoid damaging the sink, consult a qualified plumber or installer for drilling procedures in porcelain or stainless steel.

Typical Undersink Installation

Plan to install the water filtration system near the cold water supply pipe, under the kitchen and/or bathroom sink, to filter the cold drinking water. Refer to the following drawing.

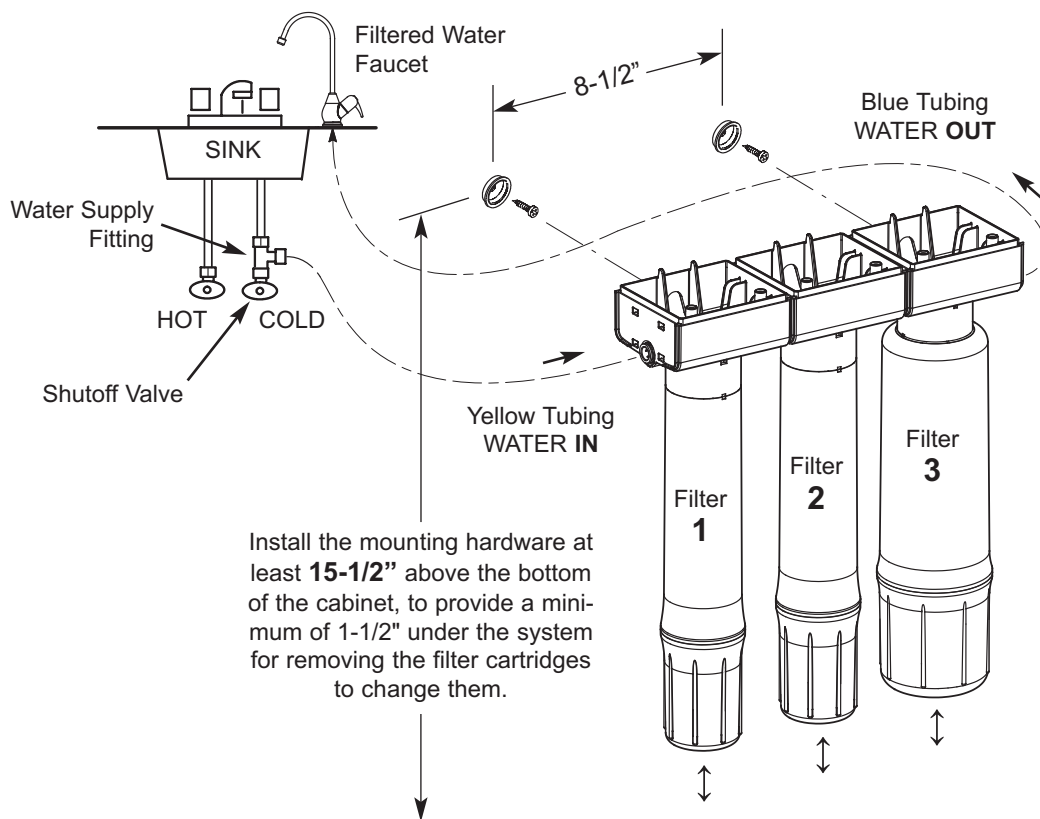


FIG. 2

Installation Instructions

Step A - Install Water Supply Fitting

Check and comply with local plumbing codes as you plan, then install a cold water supply fitting. The fitting must provide a leak-tight connection to the water filter 3/8" tubing. A typical connection using the included water supply fitting is shown in Figure 3A. An optional connection using standard plumbing fittings (not included) is shown in Figure 3B.

Included Water Supply Fitting

1. Close the cold water shutoff valve (angle stop valve) that the water supply fitting will be installed on, and open faucet(s) to relieve pressure.
2. Disconnect the existing cold water line from the water shutoff valve.
3. Make sure that the water supply fitting's gasket is inside the female threaded portion of the fitting.
4. Install the water supply fitting onto the cold water shutoff valve, where the existing cold water line was removed, and hand tighten. Be careful not to cross thread or overtighten.
5. Connect the existing cold water line to the male threaded portion of the water supply fitting and hand tighten. Be careful not to cross thread or overtighten.

Optional Pipe Fittings (compression type shown)

NOTE: Be sure to turn off the water supply and open a faucet to drain the pipe.

Complying with plumbing codes, install a fitting on the cold water pipe to adapt 3/8" OD tubing. A typical connection is shown in Figure 3B. If threaded fittings are used, be sure to use pipe joint compound or thread sealing tape on outside threads.

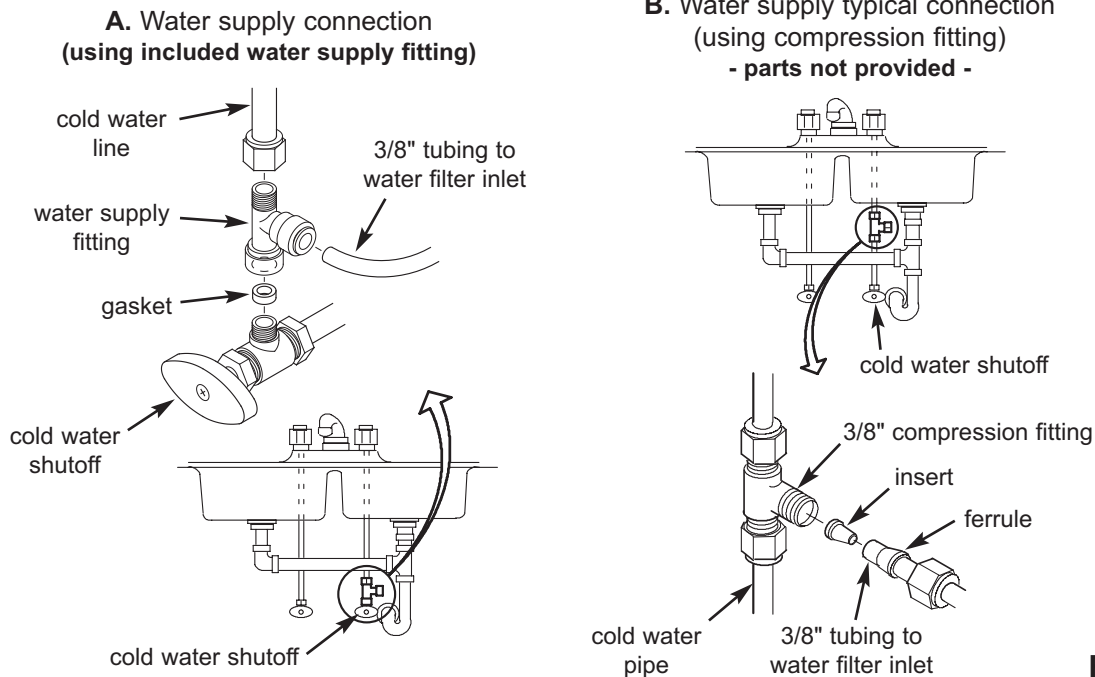


FIG. 3

Step B - Make Hole For Filtered Water Faucet

IMPORTANT: To avoid damaging the sink, consult a qualified plumber or installer for drilling procedures in porcelain, stainless steel or granite. Special drill bits are made for this.

1. Select one of the following places to install the faucet. Be sure there is room underneath so you can make the needed connections.
 - In an existing sink spray attachment hole.
 - Drill a hole in the sink top.
 - Drill a hole in the countertop next to the sink.
2. If drilling is needed make a 1-1/4" dia. (minimum) hole for the faucet.

Installation Instructions

Step C - Install Faucet

1. Feed the 3/8" tubing that is attached to the faucet through the mounting hole. Slide the toggle bolts through the mounting hole. Tighten the screws to secure the base flat on the mounting surface. Do not overtighten.
2. Move the faucet down onto the base. Turn 1/4 clockwise to attach the faucet to the base.
3. Install battery in base. See "Battery Change" section for instructions.

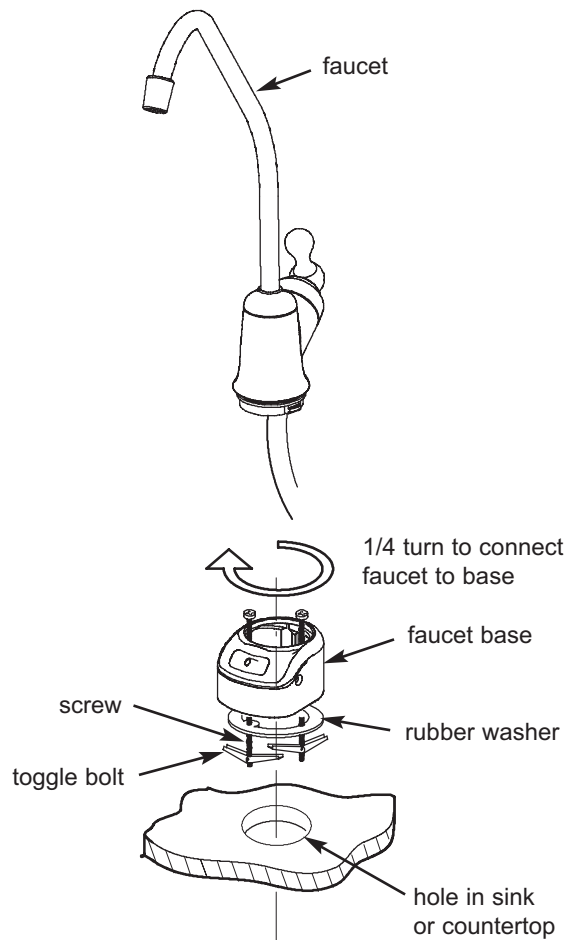


FIG. 4

Step D - Make Tubing Connections

NOTE: Remove protective foam plugs before connecting tubes (See Fig. 5). Discard foam plugs.

1. Allowing some slack, measure and cut a length of 3/8" tubing to connect between the supply fitting and the filter system inlet (See Figure 2). Cut the ends of the tubing square.
2. Insert tubing all the way into the supply fitting and inlet fitting. Pull on the tubing to be sure that it's held firmly in the fittings.
3. Repeat steps 1 and 2 to connect tubing from the faucet to the filter system outlet (See Figure 2).

Tubing Connection (all push-in fitting locations):

This system includes push-in fittings for quick tubing connections. If working with the fittings, do the following.

continued on the next page

Installation Instructions

continued from the previous page

Connect Tubing:

1. Use a sharp cutter or knife to cut the end of tubing square.
 2. Inspect the end (about 1") of the tubing to be sure there are no nicks, scratches or other rough spots. If needed cut the tubing again.
 3. Push tubing through the collet and all the way into fitting. Full engagement is 3/4" length of tube into the fitting.
- If tubing other than supplied with the system is used, be sure it is of high quality, exact size and roundness with a smooth surface.

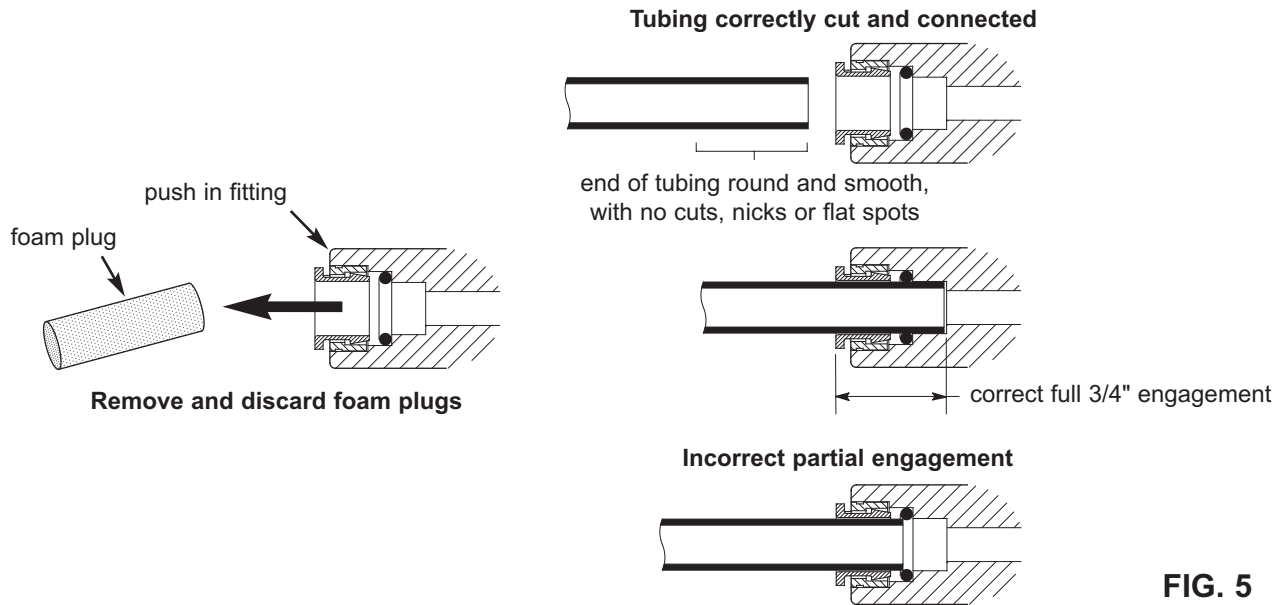


FIG. 5

To Disconnect Tubing:

1. Push the collet inward and hold with a finger while pulling the tubing out.

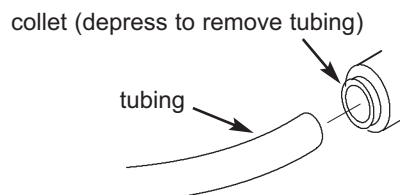


FIG. 6

Step E - Turn On Water, Check for Leaks and Rinse Carbon Fines

1. Open the shutoff valve(s) that you closed at the beginning of this installation.
2. Open the sink faucet and filtered water faucet to purge air from the system. When the water runs smooth, with no bubbles or spurting, close faucets and check installation for leaks.
3. Open the filtered water faucet and let water run for 10 minutes to rinse out carbon fines.

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When you call, please be prepared to provide the model, date code and serial number, found on the rating decal located inside the cover.