Cold Water Shut-off Valve Kit Instructions

Kit contains: Cold Water Shut-off Valve
Important: This valve is designed to minimize water damage in the event of a leak, when it is activated it will shut off the water supply. If you lack the necessary skills to properly perform the installation, stop and get help from a qualified service technician. At no time can heat be applied to the shut-off valve or coupling.

Tools required:

- Large 12 inch Adjustable Crescent Wrench
- Non-Contact Circuit Tester
- Pliers
- Thread Sealant Tape

Installing The Cold Water Shut-off Valve

1 Before installing the cold water shut-off valve, turn the power to the water heater OFF by following the powering on and off section found in the installation manual. Using a non-contact circuit tester, check the power wires to make certain the power is OFF.

2 Shut off the water to the water heater at the main water shut off valve.

3 Prior to disconnecting the cold water line to the water heater the unit will need to be relieved of pressure. Perform this by turning on the hot water at a nearby faucet until the water stops coming out.

4 Before attempting to install the cold water shut-off valve, take a moment to note key elements of the shut-off valve. IMPORTANT. Ensure the valve is open prior to installation. Valve may be opened by using the manual control knob and MUST be open to properly fill the water heater. See Figure 1.

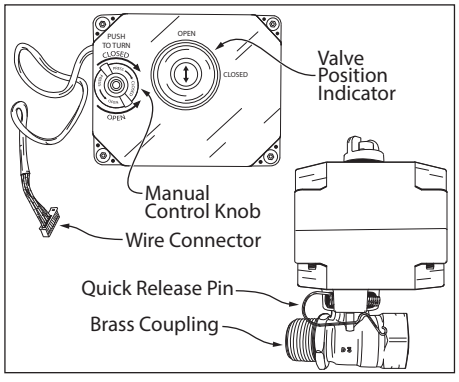

Figure 1: Cold Water Shut-off Valve

5 Remove the quick release pin from the shut-off valve by hand or pliers. This will allow the shut-off valve to be separated from the threaded brass coupling for easier installation. See Figure 2.

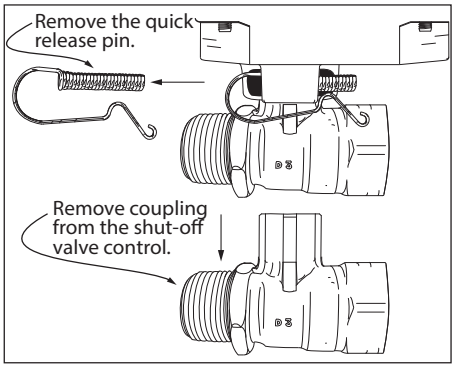

Figure 2: Removing Quick Release Pin

6 Properly wrap the threads on the cold water line and the shut-off valve with thread sealant tape.

7 Install the shut-off brass valve directly to the factory installed nipple, using a pipe wrench and adjustable crescent wrench to tighten the valve to the inlet water line until snug. Reinstall the shut-off valve module and quick release pin. Units with the cold water side connect will need to utilize the extension cable, provided with the kit.
IMPORTANT: Make sure the valve is snug and properly aligned vertically with the valve knob facing towards the front of the water heater. See Figure 3.

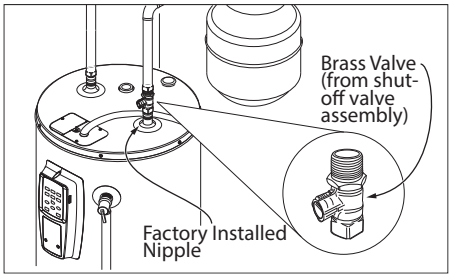

Figure 3: Properly Installed Shut-off Valve Alignment

8 Install the wire connector from the shut-off valve into the control assembly prior to energizing the water heater. See Figure 4.

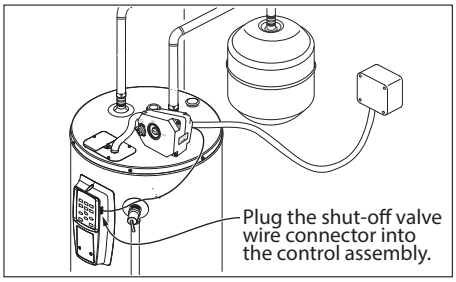

Figure 4: Installed Wire Connector

Verify Connections and Completely Fill Tank

To remove air from the tank and allow the tank to fill completely with water, follow these steps:

1 Remove the aerator at the nearest hot water faucet. This allows any debris in the tank or plumbing system to be washed out.

2 Turn the cold water supply back on. Fully open the cold water supply valve. See Figure 5.

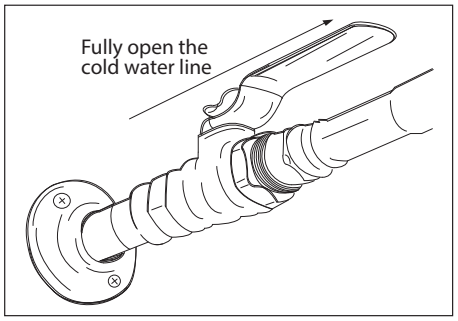

Figure 5: Fully open the cold water supply valve.

3 Open a hot water faucet and allow the water to run until it flows with a full stream.

4 Let the water run full stream for three full minutes.

5 Close the hot water faucet and replace the aerator.

6 Check inlet and outlet connections and water pipes for leaks. Dry all pipes so that any drips or leaks will be apparent. Repair any leaks.
NOTICE: Almost all leaks occur at connections and are not a tank leak.

7 The water heater is now ready for normal operation. Turn the electric power on at the circuit breaker panel, or fuse box to energize the water heater. Power to the water heater will allow the water heater to run a system diagnostic. This typically takes a few minutes. Once complete, proceed to the Operations section of the owners manual.
NOTICE: If the system diagnostic yields any codes, reference the diagnostic codes section in the manual.