

Cold Water Shut-Off Valve Kit Instructions

Kit contains:

- Cold Water Shut-Off Valve
- Extension Cable (for side connect units only)

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 brass coupling.

Tools required:

- Large 12" 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.
- 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 flow of water stops.
- 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.

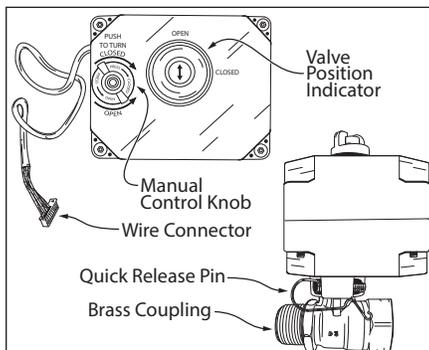


Figure 1: Cold Water Shut-Off Valve

- 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.

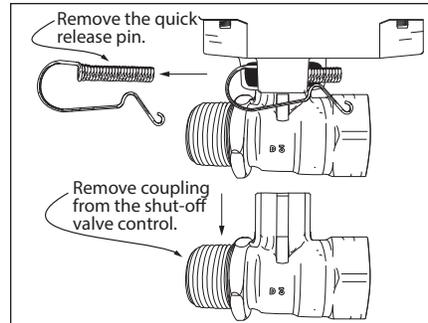


Figure 2: Cold Water Shut-Off Valve

- 6 Properly wrap threads on the cold water line and brass coupling with thread sealant tape.
- 7 Install brass coupling directly to factory installed nipple, using a pipe wrench and adjustable crescent wrench to tighten brass coupling to inlet water line until snug. Reinstall shut-off valve module and quick release pin.

IMPORTANT: Make sure valve is snug and properly aligned such that any ducting (if applicable) will not interfere with adjusting the shut-off valve controls.

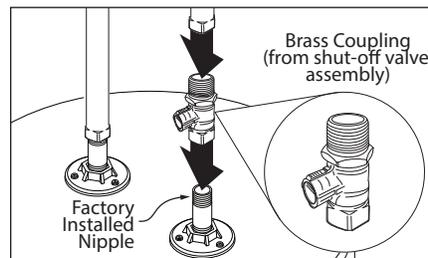


Figure 3: Properly Aligned Shut-Off Valve

- 8 Install wire connector from shut-off valve into control assembly prior to energizing water heater. Units with a cold water side connection will need to utilize the extension cable provided in kit.

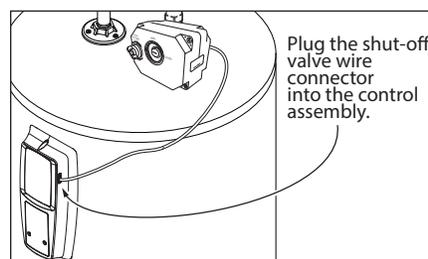


Figure 4: Installed Wire Connector

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.

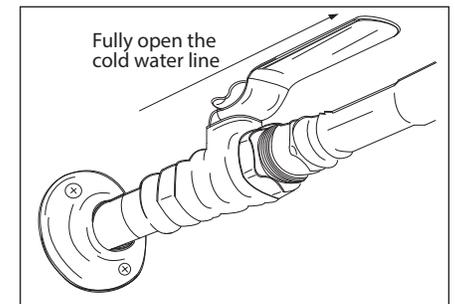


Figure 5: Fully open the cold water supply valve.

- 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 a 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 seven (7) to ten (10) minutes. Once complete, proceed to the Operations section of the owner's manual, "Installation Instructions and Use & Care Guide."

NOTICE: If the system diagnostic yields any codes, reference the diagnostic codes section in the manual.