HOW TO INSTALL AN ELECTRIC WATER HEATER

Follow the same basic steps as a gas installation. However some steps that refer to gas lines or gas specific parts will not apply, and there are a few additional steps for an electric installation. See below.

Before STEP 1:

Turn off the circuit breaker that supplies power to the water heater

Addition to STEP 2:

Disconnect electrical connections

Addition to STEP 6:

Reconnect electrical connections

Follow instructions in the Use and Care Manual to connect wiring. Make sure all electrical connections are secured at the top of the water heater.
Turn on the water at the tank, then turn on one or more hot water faucets to bleed air out of the system.

LAST STEP:

Turn circuit breaker back ON

Make sure the water heater is completely full of water, then turn the circuit breaker back on.

THINGS YOU MAY NEED

TOOLS:

- Hack Saw
- Tube Cutter
- Wire Brush
- Carpenter's Level
- Adjustable Wrenches
- Propane Torch
- Screwdriver
- Rags / Towels

MATERIALS:

- Gas or Electric Water Heater
- Acid-free Flux
- Teflon Tape / Pipe Compound
- Wire Nuts
- Water Heater Trap Fittings
- Masking Tape
- Wooden or Plastic shims

In keeping with its policy of continuous progress and product improvement, Richmond reserves the right to make changes without notice.

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GAS & ELECTRIC WATER HEATERS

HOW TO INSTALL GUIDE

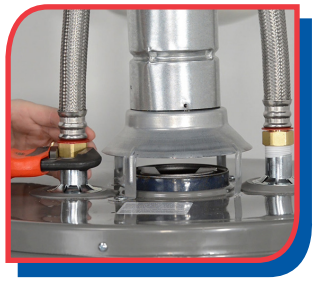
RichmondWaterHeaters.com

HOW TO INSTALL A GAS WATER HEATER

STEP 1: Drain the tank

Turn off the water and gas supply. Attach a garden hose to the drain valve and empty the tank. Turn on a hot water faucet to allow air into the system.

STEP 2: Disconnect the gas and water lines



Disconnect the gas line using two pipe wrenches at the union fitting if the pipe is galvanized or at the flare fitting if the gas supply line is copper. Disconnect the water lines above the tank using two adjustable wrenches or pipe wrenches. If the piping was soldered into place, use a hacksaw or tubing cutter to cut the pipe. Make sure the cuts are straight.

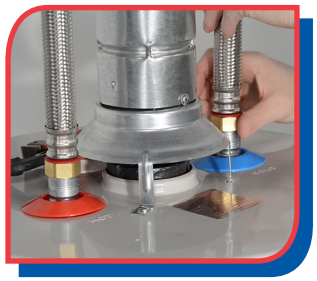
STEP 3: Detach the gas exhaust from the flue hat

Using a screwdriver or nut driver, remove the screws connecting the vent to the water heater. Remove the old water heater. The water heater may be filled with sediment, so it may be heavier than a new one.

STEP 4: Set the new water heater in place

Install in an area with at least 6 inches of clearance on all sides for ventilation. Allow unobstructed access to the burner and controls. Place a carpenter's level on the side of the water heater and level it with plastic shims if necessary. Reconnect the flue hat to the gas exhaust vent.

STEP 5: Install water line connections

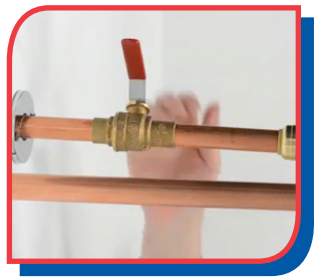


Measure and cut the water line connections to length. Reconnect the water line.
A variety of installation kits are available to make this step easier.

STEP 6: Connect the gas supply line

Clean gas line threads with a wire bush or rag. Apply piping compound to the threads of the black pipes as you connect them. Assemble and tighten each fitting with two pipe wrenches. Install the union fitting last because it connects the new line to the existing line. When finished, open the gas supply valve and turn the water on. **Turn on the water at the tank, then turn on one or more hot water faucets to bleed air out of the system.**

STEP 7: Test the water and gas lines for leaks



Fill a sponge with a mixture of liquid soap and water, then apply it to the new gas fittings and check for bubbles. Test all connections. If there is a leak, bubbles will form on the surface and you will have to refit the joint. Inspect water lines for leaks.

STEP 8: Light the pilot

Rotate thermostat knob to "pilot" position. Press the knob in and hold it while pressing the piezo spark generator button once every 10 seconds until pilot is lit. Continue to hold the thermostat knob down until the LED "STATUS" light begins to blink. Release the knob and rotate it to the desired temperature setting. Set the control at a temperature between 118 and 123 degrees.

If you need additional installation information, visit **RichmondWaterHeaters.com**

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