

INSTALLATION INSTRUCTIONS

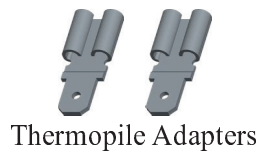
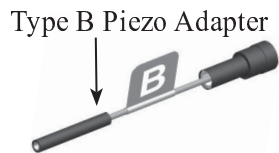
(White-Rodgers to Honeywell Combination Gas Control Replacement Kit)

Read these instructions thoroughly and understand all steps and procedures before proceeding with the installation.

INSPECT SHIPMENT:

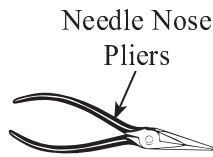
Inspect contents for possible missing or damaged components. See Figure 1. This kit includes:

- Qty. 1 (one) - Honeywell Combination Gas Control
- Qty. 1 (one) - Type B Piezo Adapter
- Qty. 2 (two) - Thermopile Adapters
- Qty. 1 (one) - Lighting and Operating Instructions Overlay Label
- Qty. 1 (one) - Use & Care Manual
- Qty. 1 (one) - Installation Instructions



TOOLS REQUIRED:

- 7/16" Open-end wrench
- 3/4" Open-end wrench
- Pipe Wrench
- Needle Nose Pliers
- Non-Corrosive Bubbling Leak Detection Solution
- Pipe Thread Sealant (Certified for use with Natural and LP Gas Liquefied Petroleum Gases)



NOTICE: Compounds used on threaded joints of gas piping shall be resistant to the action of Liquefied Petroleum Gases.

1. TURNING OFF THE GAS SUPPLY TO THE WATER HEATER:

Rotate the combination gas control/thermostat knob counter-clockwise \curvearrowright to the "OFF" position. See Figure 1. Shut off the gas supply at the main gas supply line. Refer to the lighting instruction label located above the water heater's combination gas control and the Use and Care manual supplied with the water heater for additional information on shutting off the gas supply.

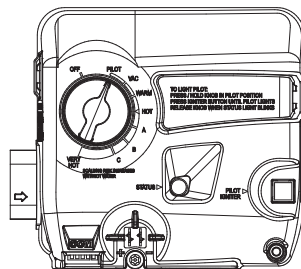


Figure 1

2. DRAINING THE WATER HEATER: Shut off the inlet water supply to the water heater. Connect the female end of a garden hose to the drain valve on the water heater and route the other end of the hose to a drain or suitable draining area. Open a hot water faucet to allow air to flow into the water heater tank then open the drain valve. See Figure 2.

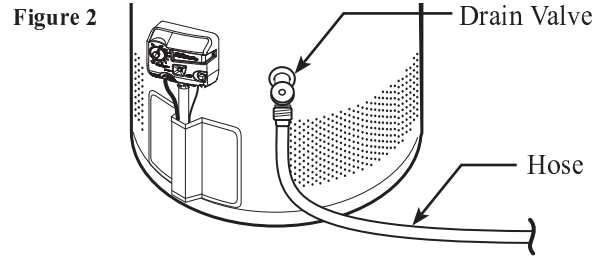


Figure 2

3. DISCONNECTION OF THERMOPILE, PILOT SUPPLY LINE, BURNER SUPPLY TUBE AND PIEZO WIRING FROM THE COMBINATION GAS CONTROL: Locate the thermopile connector on the combination gas control. Carefully pull off the connector. Using a 7/16" open-end wrench, disconnect the pilot supply line from the combination gas control. Using a 3/4" open-end wrench, disconnect the burner supply tube from the combination gas control. Locate the piezo wire connector and disconnect it by pulling it apart. See Figure 3.

NOTICE: The threads for connection of the burner supply tube nut on LP combination gas controls are left-handed.

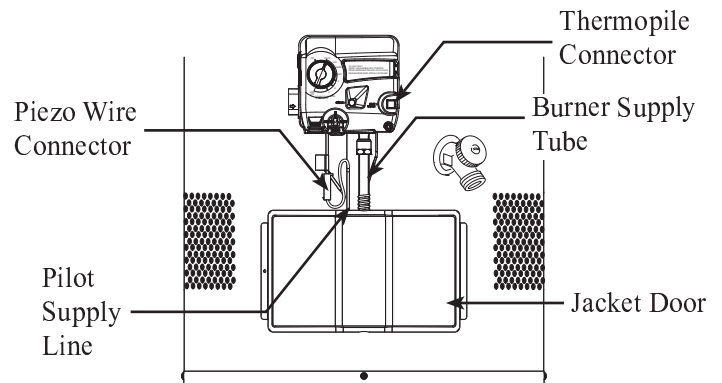
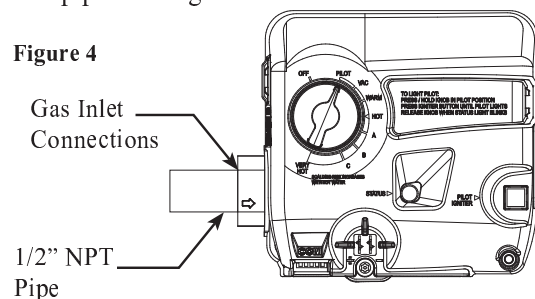


Figure 3

White-Rodgers Combination Gas Control

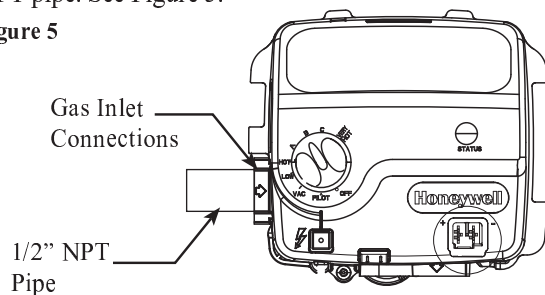
4. WHITE-RODGERS COMBINATION GAS CONTROL REMOVAL: With the gas supply shut off, disconnect the main gas supply piping from the combination gas control. After the water heater is completely drained, screw a suitable length of 1/2" NPT pipe into the gas inlet connection of the combination gas control. Rotate the control counter-clockwise \curvearrowright until removed. Remove the 1/2" NPT pipe. See Figure 4.

Figure 4



5. **NEW HONEYWELL COMBINATION GAS CONTROL INSTALLATION:** Ensure the replacement; combination gas control is correct for the gas usage of the water heater. Hand start threading the control into the water heater. Screw the previously used 1/2" NPT pipe into the gas inlet connection of the new control. Rotate the control by turning clockwise until the control is tight and in the upright position. Remove the 1/2" NPT pipe. See Figure 5.

Figure 5



6. **CONNECTION OF PILOT SUPPLY TUBE, BURNER SUPPLY TUBE AND WIRING TO THE COMBINATION GAS CONTROL:** Install the inverted flare end of the burner supply tube into the combination gas control. Hand thread the hex nut fitting on the burner supply tube into the control. Ensure that the fitting is properly aligned with the control; otherwise, cross threading of the connection will occur. Tighten the fitting using a 3/4" open-end wrench. See Figure 2.

NOTICE: The threads for the connection of the burner supply tube nut on LP combination gas controls are left-handed.

Install the end of the pilot supply tube into the combination gas control. Hand thread the hex nut fitting on the pilot supply tube into the control. Ensure that the fitting is properly aligned with the control; otherwise, cross threading of the connection will occur. Tighten the fitting using a 7/16" open-end wrench. Locate the two thermopile adapters from the kit and using needle nose pliers insert the female ends into the thermopile connection of the Honeywell combination gas control.

IMPORTANT: For proper installation of the thermopile connector, the adapters must be orientated as shown in Figure 6. Push the thermopile connector of the pilot assembly onto the thermopile adapters and ensure that the connections are correct and the connectors are fully engaged. Locate the Type B Piezo Adapter from the kit and connect it to the piezo lead coming from the gas control and the piezo wiring coming from the pilot assembly.

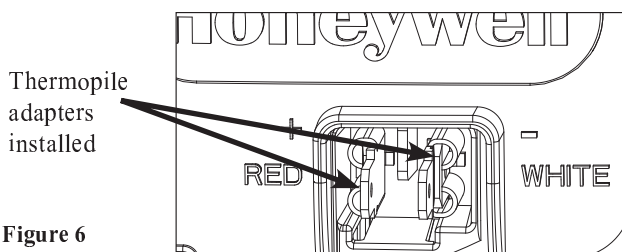


Figure 6

7. **CONNECTION OF THE MAIN GAS SUPPLY TO THE COMBINATION GAS CONTROL:** Reconnect the main gas supply piping to the combination gas control. Use pipe

thread sealant certified for use with Natural and LP Gas/ Liquefied Petroleum Gases.

NOTICE: Compounds used on threaded joints of gas piping shall be resistant to the action of Liquefied Petroleum Gases.

8. **AFFIXING OF THE LIGHTING AND OPERATING INSTRUCTIONS OVERLAY LABEL AND USE AND CARE MANUAL:** Locate the Lighting and Operating Instructions Overlay label from the kit and remove the backing to expose the adhesive side. Affix the label over the lighting and operating label, which is located on the water heater. Discard the old Use and Care Manual that came with the water heater and replace it with the new one from the kit.
9. **THE REFILLING THE WATER HEATER:** Disconnect the garden hose from the water heater's drain valve. Close the drain valve and turn on the inlet water supply to the water heater. Open all hot water faucets to allow all trapped air to escape. Let the water heater fill until a steady stream of water is observed coming from all hot water faucets then close all faucets.
10. **TURN ON GAS TO THE WATER HEATER:** Turn on the main gas supply to the water heater. Check the inlet supply piping for gas leaks with a non-corrosive bubbling leak detection solution. The appearance of bubbles indicate a leak. Tighten all connections if a leak is found and check once again with the solution.
11. **LIGHTING AND OPERATION INSTRUCTIONS:** Follow the "FOR YOUR SAFETY READ BEFORE OPERATING" and "LIGHTING INSTRUCTIONS" on the new overlay label located above the combination gas control or in the new Use and Care Manual.

With the pilot and main burner in operation, use a soap and water solution to check for gas leaks at the burner supply and pilot tube connections.

NOTICE: If the soap and water solution bubbles up, there is a gas leak and the fittings must be tightened and checked again.

IMPORTANT: If the leak(s) cannot be eliminated, turn off the gas supply to the water heater and contact the Manufacturer's National Service Department at 1-866-279-4566.

12. **TEMPERATURE SETTING:** Rotate the thermostat knob clockwise to the desired setting. A temperature setting of 120°F (49°C) or less is recommended as a usable water temperature. The illustration in Figure 7 details the approximate water temperature for each mark on the combination gas control/thermostat knob.

