

# Supplement Sheet

## INSTALLATION INSTRUCTIONS

Atmospheric Invensys to White-Rodgers Combination Gas Control Replacement Kit  
[Non Flammable Vapor Ignition Resistant (FVIR) Models]







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

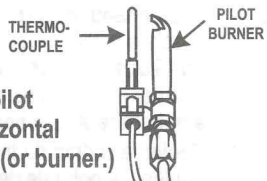
### FOR YOUR SAFETY READ BEFORE LIGHTING

**WARNING:** If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.



- A. This appliance has a pilot which must be lit by hand. When lighting the pilot, follow these instructions exactly.
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS**
- Do not try to light any appliance.
  - Do not touch any electric switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the gas control knob. Never use tools. If the knob will not turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified installer or service agency to replace a flooded water heater. Do not attempt to repair the unit! It must be replaced!

### LIGHTING INSTRUCTIONS

1. **STOP!** Read safety information on this label.
2. Set the thermostat dial to the lowest setting "PILOT LIGHTING" by turning the thermostat dial clockwise  until it stops.
3. Slightly depress the gas control knob and turn clockwise  to "OFF" position. Note: Knob cannot be turned from "PILOT" position unless pushed down slightly. Do not use force.
4. Wait five (5) minutes to clear out any gas. If you smell any gas, **STOP!** Follow "B" in the safety information above on this label. If you do not smell gas, go to the next step.
5. Remove both the outer door and inner door from the heater.
6. Follow the metal tubes from gas control through the door openings. The pilot is located on the horizontal leg of the larger tube (or burner.)
7. Turn the gas control knob counter-clockwise  to "PILOT" position.
8. Depress and hold the gas control knob all the way down and light the pilot with a match or lighter. The pilot flame can be seen through the door opening.
9. Continue to hold down the gas control knob for about one (1) minute after the pilot is lit. If it goes out repeat steps 3 to 9.
  - If the gas control knob does not pop up when released, stop and immediately call your service technician or gas supplier.
  - If the pilot will not stay lit after several tries, turn the gas control knob clockwise  to "OFF" and call your service technician or gas supplier.
10. Once the pilot flame is established replace the inner and outer door.
11. Turn the gas control knob counter-clockwise  to the "ON" position.
12. Set the thermostat dial to desired setting. The preferred starting point for temperature setting is indicated by  on the thermostat dial.



### TO TURN OFF GAS TO THE APPLIANCE

1. Set the thermostat dial to the lowest setting "PILOT LIGHTING" by turning the thermostat dial clockwise  until it stops.
2. Slightly depress the gas control knob and turn clockwise  to "OFF POSITION". Note: Knob cannot be turned from "PILOT" position unless pushed down slightly. Do not use force.

# INSTALLATION INSTRUCTIONS

## Atmospheric Invensys to White-Rodgers Combination Gas Control Replacement Kit [Non Flammable Vapor Ignition Resistant (FVIR) Models]

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) - Combination Gas Control
- Qty. 1 (one) - Installation Instructions
- Qty. 1 (one) - Lighting Instructions Label
- Qty. 1 (one) - Use & Care Lighting Instructions Supplement Sheet
- Qty. 1 (one) - Burner Supply Tube Adapter Nut

### TOOLS REQUIRED:

- 3/8" Open-end wrench
- 7/16" Open-end wrench
- 7/8" Open-end wrench
- 3/4" Open-end wrench
- Pipe Wrench
- Soap and water solution
- 1/2" NPT, Approx. 8" - 12" pipe length
- 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.

### ADDITIONAL INSTRUCTIONS:

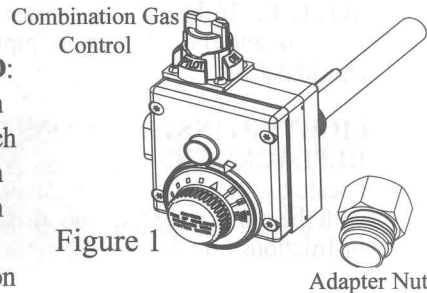
Refer to the Use and Care Manual supplied with the water heater and the supplement sheet supplied in this kit for complete information on the installation, lighting, operation and maintenance of the water heater.

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

Set the thermostat dial to the lowest setting "VACATION" by rotating the thermostat dial on the water heater's combination gas control counter clockwise  $\curvearrowright$  until it stops. Rotate the gas control knob on the combination gas control clockwise  $\curvearrowleft$  to the "OFF" position.

Shut off the gas supply at the main gas supply line to the water heater. Refer to the lighting instruction label located above the water heaters combination gas control and the Use and Care manual supplied with the water heater for additional information on shutting off the gas supply.

**2. DRAINING THE WATER HEATER:** Shut off the inlet water supply to the water heater. Connect one end of a garden hose to the water heater's drain valve and route the other hose end 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 water heater's drain valve. See Figure 2.



## 3. DISCONNECTION OF THERMOCOUPLE, PILOT SUPPLY TUBE AND BURNER SUPPLY TUBE FROM THE COMBINATION GAS CONTROL:

Using a 3/8" open-end wrench, disconnect the thermocouple from the combination gas control. 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. See Figure 2.

**NOTICE:** LP Gas Combination Controls use left-handed threads on the burner supply tube nut.

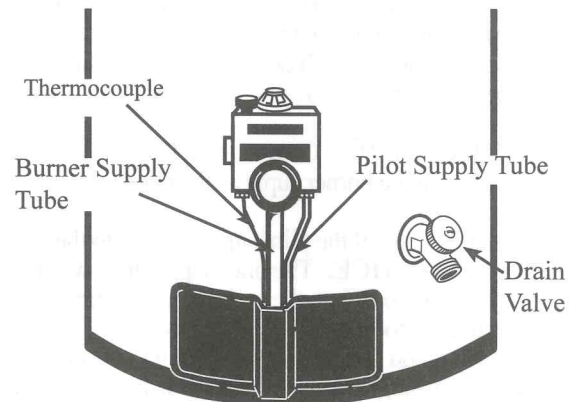


Figure 2

## 4. ROBERTSHAW 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 3.

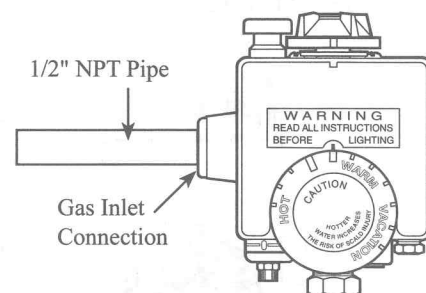


Figure 3

**5. NEW WHITE-RODGERS 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. Install the suitable length of 1/2" NPT pipe previously used to the gas inlet of new control. Rotate the control by turning clockwise until the control is tight and in the upright position. Remove the 1/2" NPT pipe.

**6. CONNECTION OF THE BURNER SUPPLY TUBE ADAPTER NUT, THERMOCOUPLE, PILOT SUPPLY TUBE AND BURNER SUPPLY TUBE TO THE COMBINATION GAS CONTROL:**

Hand thread the burner supply tube adapter nut included with this kit into the burner supply tube connection of the White-Rodgers combination gas control. Ensure that the fitting is properly aligned with the control, otherwise cross threading of the connection will occur. Tighten the fitting using a 7/8" open end wrench. Install the inverted flare end of the burner supply tube into the adapter nut. 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 4.

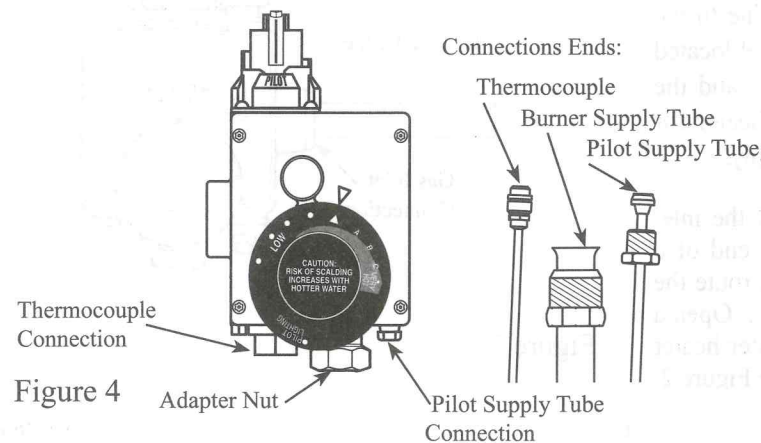
**NOTICE:** LP Gas Combination Controls use left-handed threads on the burner supply tube nut.

Install the end of the pilot supply tube into the combination gas control. **NOTICE:** The pilot supply tube will require manual adjustment to fit into the replacement combination control. Do not use tools to bend the supply tube. 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. See Figure 4.

Install the end of the thermocouple into the combination gas control. Hand thread the hex nut fitting on the thermocouple into the combination gas control. Ensure that the fitting is properly aligned with the control, otherwise cross threading of the connection will occur. Tighten the fitting with a 3/8" Open-end wrench. See Figure 4.

**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. 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.

**9. TURN ON GAS TO THE WATER HEATER:**

Turn on the main gas supply to the water heater. Check for leaks on the inlet supply piping using a soap and water solution.

**NOTICE:** If the soap and water solution bubbles up, there is a leak and the inlet supply piping must be tightened and checked again.

**10. LIGHTING INSTRUCTIONS LABEL REPLACEMENT:**

Locate the new Lighting Instructions Label supplied with the replacement kit and affix it over the Lighting Instructions Label that is on the water heater.

**11. USE AND CARE SUPPLEMENT SHEET:**

Locate the supplement sheet instructions supplied with the replacement kit. Read the instructions thoroughly and place them with the water heater's Use and Care manual supplied with the water heater.

**12. LIGHTING AND OPERATION INSTRUCTIONS:**

Follow the new "FOR YOUR SAFETY READ BEFORE OPERATING" and "LIGHTING INSTRUCTIONS" on the replaced label above the combination gas control or in the new Use and Care Supplement Sheet supplied with the Combination Control Replacement Kit.

**NOTICE: Retain all instructions and literature for future use.**

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 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 water heater manufacturer at 1-800-432-8373.

**13. TEMPERATURE SETTING:**

**▲ DANGER: Hotter water increases the potential for Hot Water SCALDS.**

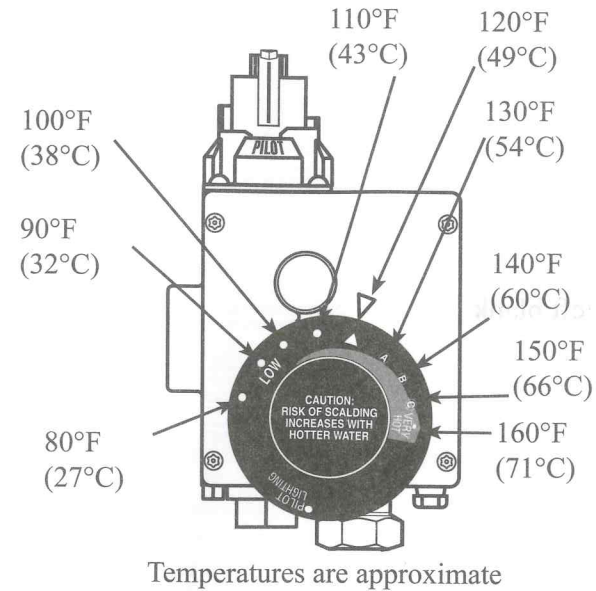


Figure 5

Turn the temperature dial 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 5 details the approximate water temperature for each mark on the White-Rodgers Combination Gas Control Temperature Dial.