

INSTALLATION INSTRUCTIONS FOR HIGH ALTITUDE KITS: RXGY-F04, F05, F06 & F07

▲ WARNING

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED, LICENSED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THIS UNIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING ANY MAINTENANCE OR OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE OR MAINTENANCE RESULTING IN FIRE, ELECTRICAL SHOCK, CARBON MONOXIDE POISONING, EXPLOSION, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

RECOMMENDED TOOLS

Slotted Screwdriver
1/4" Nutdriver
Needle-nose pliers
Pipe Wrench (2)

▲ Recognize this symbol as an indication of Important Safety Information!

34" 90 Plus furnaces installed at high elevations require the installation of a high altitude kit for proper operation. The high altitude kit consists of a high altitude pressure switch which replaces the pressure switch attached to the induced draft blower. The kit also contains gas orifices for high altitude. The pressure switch must be installed at elevations **above 5000 ft.** and the orifices must be installed in addition to the pressure switch at elevations **above 8000 ft.**

HIGH ALTITUDE KIT	(-)GTA, (-)GTJ, (-)GRA, (-)GRJ	(-)GFD
RXGY-F04	105,000	
RXGY-F05	120,000	105,000 & 120,000
RXGY-F06	45,000 60,000 & 90,000	60,000 & 90,000
RXGY-F07	75,000	75,000

▲ WARNING

1. **DISCONNECT MAIN ELECTRICAL POWER TO THE UNIT BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN SEVERE PERSONAL INJURY OR DEATH.**

▲ WARNING

2. **SHUT OFF THE GAS SUPPLY AT A MANUAL VALVE IN THE SUPPLY PIPING TO THE UNIT BEFORE ATTEMPTING MAINTENANCE. FAILURE TO DO SO CAN CAUSE FIRE OR AN EXPLOSION RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**
3. Turn the thermostat to the "Off" position.
4. Remove the burner door.

TO REPLACE THE PRESSURE SWITCH:

5. Remove the wiring from the existing pressure switch. See Figure 1.

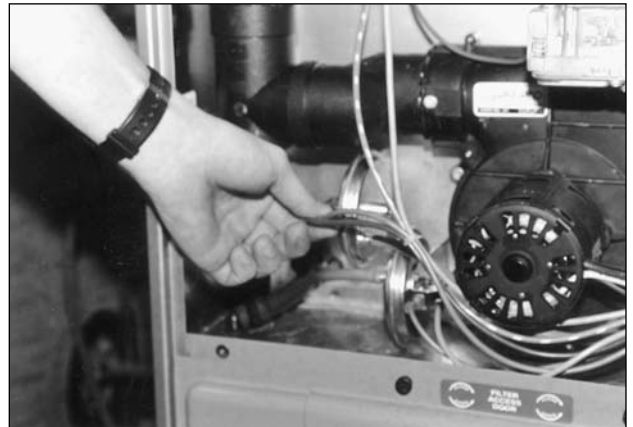


FIGURE 1

6. Disconnect the pressure switch hose which runs to the induced draft blower. See Figure 2.

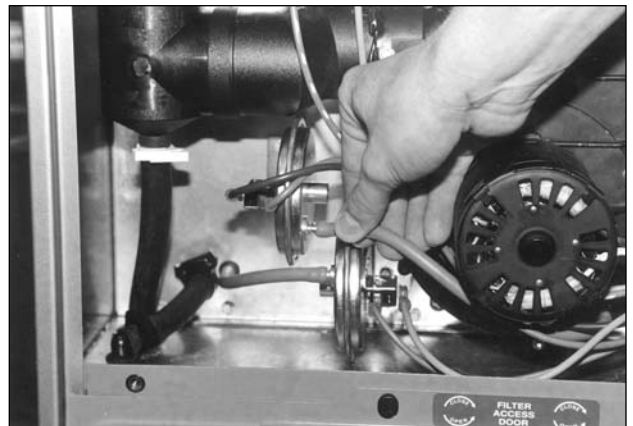


FIGURE 2

7. Remove the pressure switch by removing the screws (2) attaching the switch to the center panel.
8. Use the existing screws to mount the high altitude pressure switch to the center panel.
9. Re-attach the hose from the induced draft blower to the pressure switch.
10. Re-attach all wires to the pressure switch. Reference the wiring diagram attached to the unit.
11. Turn on the electrical power and the main gas supply to the unit. Set the thermostat at a temperature which causes the unit to operate. Let the furnace operate through several cycles to confirm proper operation.

AT ELEVATIONS ABOVE 8,000 FEET, BOTH THE PRESSURE SWITCH AND THE ORIFICES MUST BE INSTALLED.

TO REPLACE THE ORIFICES:

▲ WARNING

1. **DISCONNECT MAIN ELECTRICAL POWER TO THE UNIT BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN SEVERE PERSONAL INJURY OR DEATH.**

▲ WARNING

2. **SHUT OFF THE GAS SUPPLY AT A MANUAL VALVE IN THE SUPPLY PIPING TO THE UNIT BEFORE ATTEMPTING MAINTENANCE. FAILURE TO DO SO CAN CAUSE FIRE OR AN EXPLOSION RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**
3. Disconnect the gas supply line from the system at the union inside the furnace.
4. Remove the four screws holding the gas manifold to the burner brackets and remove the manifold assembly. **Take care not to damage the wiring or hot surface igniter.** See Figure 3.

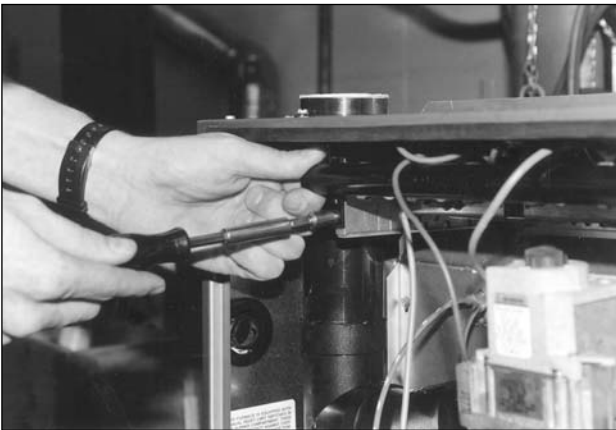


FIGURE 3

5. Remove the existing orifices from the gas manifold using a ratchet with a 7/16" socket. See Figure 4.

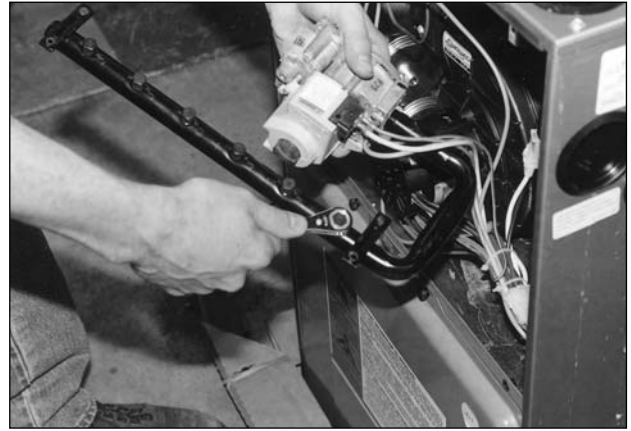


FIGURE 4

6. Replace the orifices with the high altitude orifices from the kit. Screw them in hand tight and secure in place with a quarter turn with the ratchet.
7. Replace the manifold assembly on the burner assembly with the four screws removed in Step 4.
8. Re-attach the gas line at the union. Tighten securely with a pipe wrench. **IMPORTANT: When making gas pipe connections, use a back-up wrench to prevent any twisting of the control assembly and gas valve.**
9. Turn on the gas at the manual gas valve and check for leaks using a soap and water solution or other approved method.

▲ WARNING

DO NOT USE AN OPEN FLAME TO CHECK FOR LEAKS. USE OF AN OPEN FLAME CAN CAUSE A FIRE OR EXPLOSION RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

10. Turn on the electrical power to the unit. Set the thermostat at a temperature which causes the unit to operate. Let the furnace operate through several cycles to confirm proper operation.