

**4. ASSEMBLING THE SLIP SECTIONS**

Slip sections should be snapped into the first mating piece, then expanded to their desired length, making sure that a 1.5" overlap is maintained between the two sections of the slip section. The two sections of the slip section then need to be secured by driving two screws through the overlapping portions of the vent. See Figure 36. This will secure the slip section to the desired length and prevent it from separating. The slip section can then be attached to the next section of vent.

**5. DISASSEMBLING VENT SECTIONS (only if necessary)**

To disassemble any two pieces of pipe, simply rotate either section so that the seams on both pipe sections are aligned as shown in Figure 37. They can then be carefully pulled apart.



Figure 36

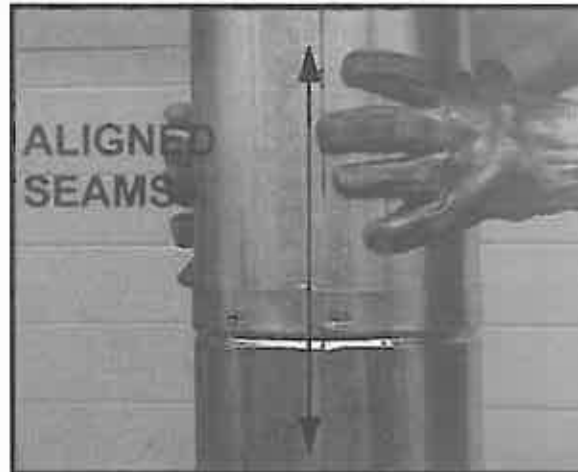


Figure 37

*The first name in fireplaces*

## G. UTILITIES

### 1. HIGH ALTITUDE INSTALLATION

For U.S. installation, appliances are tested and approved for elevations from 0-2000 feet. When installing this appliance at an elevation above 2000 feet, National Fuel Gas Codes require a decrease of the input rating by changing the existing burner orifice to a smaller size. Input should be reduced 4% for each 1000 feet above sea level. Check with the local gas utility for proper orifice size identification. The correct orifice is available from your Hearth & Home Technologies distributor.

For Canada, appliances are certified for elevations from 0-4500 feet. When installing this appliance at an elevation between 0-4500 feet in Canada, the input rating does not need to be reduced. When installing this appliance at an elevation above 4500 feet in Canada, check with local authorities.

### 2. GAS LINE CONNECTION

Open the control access panel (Figure 38) and remove by releasing the spring latch on the left hand side (Figure 39). The appliance is provided with a stainless steel flexible connector and manual shutoff valve. The incoming gas line should be piped into the valve compartment and connected to the 1/2" FIP connection provided on the manual shutoff valve. See Figure 40 to connect the gas line.

All connections must be tightened and checked for leaks with a soap and water solution or a leak detector.

Bleed the gas line to extract any air that may have been trapped inside the pipe.

Optional: Seal around the gas line to prevent cold air leakage.



Figure 38 - Control Access Panel Removal



Figure 39 - Spring Latch

**Note:** This appliance and its manual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa). The appliance must be isolated from the gas supply piping system by closing its manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

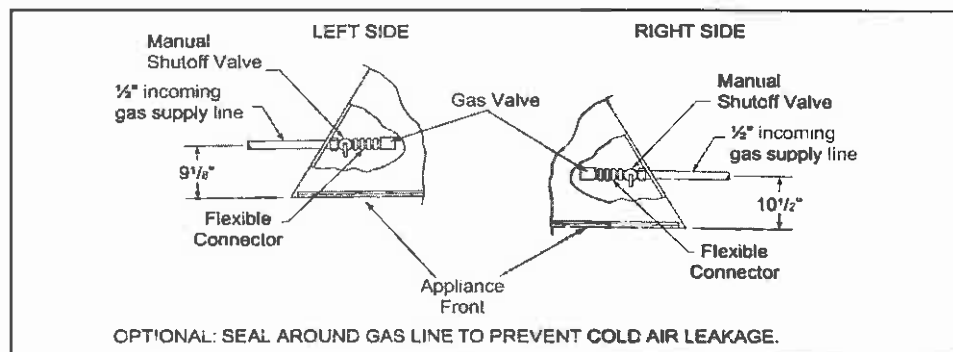


Figure 40 - Gas Line

**WARNING!**  
This valve has been preset at the factory. Altering settings may result in fire hazard or bodily injury.

**3. GAS PRESSURE**

On both the standing pilot and the electronic ignition gas valves, the inlet pressure and a pressure tap are available on the face of the valve. Pressure taps are immediately upstream of the gas supply connection and accessible for test gauge connection. Table 2 shows optimum gas pressure information. Consult your local gas company for assistance in determining the proper orifice for you altitude or refer to ANSI Z223.1-latest edition, Appendix F.

**4. FUEL**

Natural or propane gas conversions necessary to meet the application need to be made by a qualified technician using Hearth & Home Technologies specified and approved parts.

In the event your appliance must be converted to propane, you must use a CKP or CKVP Conversion Kit. To be converted to natural gas, you must use a KKN or KKNV Conversion Kit.

<b>GNTC80</b>	
Inlet Gas Supply Pressure (N.G.)	4.5 (min.) - 7.0 (max.) in. w.c.
Optimal Manifold Pressure (N.G.)	3.5 in. w.c.
Inlet Gas Supply Pressure (L.P.)	11.0 (min.) - 14.0 (max.) in. w.c.
Optimum Manifold Pressure (L.P.)	10 in. w.c.
Input Rate (N.G.)	29,000/20,000
Input Rate (L.P.)	29,000/22,000
Orifice Size (N.G.)	.110
Orifice Size (L.P.)	.067

**Table 2**  
**Gas Information for Electronic and Standing Pilot Appliances**

## H. FINISHING

### 1. COMBUSTIBLE FINISHING MATERIAL

Material made of or surfaced with wood, compressed paper, plant fibers, plastics, or any material capable of igniting and burning, whether flame proofed or not, plastered or unplastered (this includes drywall).

### 2. NONCOMBUSTIBLE FINISHING MATERIAL

Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or combination thereof, or have a UL Fire rating of zero.

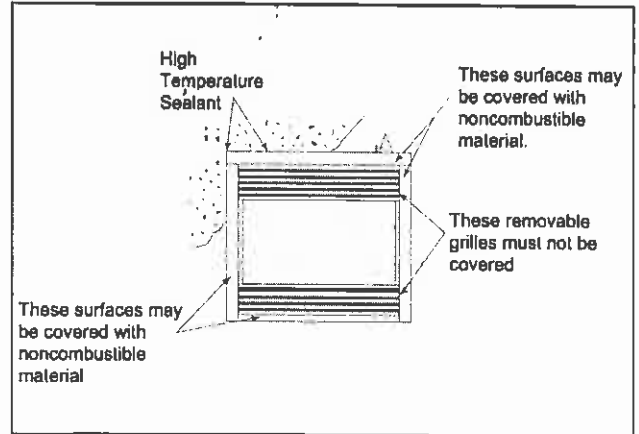
### 3. HIGH TEMPERATURE SEALANT MATERIAL

Sealants that will withstand high temperatures: General Electric RTV103 (Black) or equivalent; Rutland, Inc. Appliance Mortar #63 or equivalent.

A high temperature sealant, 1/8" wide minimum, must be used to close off gaps between the appliance and facing to prevent cold air leaks. See Figure 43.

### 4. COMBUSTIBLE MANTEL

A combustible mantel may be installed. Please refer to Figure 4, page 6.



**Figure 43**  
**Finishing Materials**



## I. APPLIANCE PREPARATION

### 1. UPPER GRILLE PANEL REMOVAL

Lift upward on the upper grille panel and pull out.

### 2. ATTACHING THE HOOD

The hood is to be located above the glass panel. The hood must be attached or a fire hazard may result. Locate the four tabs just inside the upper section of the appliance. Position the hood and slide into position. See Figure 44.

### 3. GLASS AND SCREEN REMOVAL

See page 31 of this manual.



**Figure 44 - Installing the Hood**



**4. LOG SET INSPECTION**

The log set is shipped in one piece and should look similar to that in Figure 45.



Figure 45 - Log Set

**5. PLACING THE LAVA ROCK AND VERMICULITE**

See Figures 46 and 47 for lava rock and vermiculite placement. It is not necessary to use the entire bag. Save the remaining lava rock and vermiculite for future use.



Figure 46 - Placing Lava Rock



Figure 47 - Placing the Vermiculite

**6. PLACING THE ROCK WOOL AND FIRE GLOW**

Place a small amount of 1/2" diameter (dime-size) pieces of rock wool on the burner pan so that the rock wool touches but does not cover the holes in the burner pan. See Figures 48 and 49. This will provide the "glowing embers" look. As with the lava rock and vermiculite, it is not necessary to use the entire bag. Save the remaining for future use.

Fire glow (Fire 98) is a flame colorant material that also adds to the realism of the gas appliance flame. After placing the rock wool on the burner pan, sprinkle some of the fire glow (Fire 98) on top of the burner. As with the lava rock, vermiculite and rock wool, it is not necessary to use the entire bag. Save the remaining for future use.

**7. REPLACE THE GLASS, SCREEN AND UPPER GRILLE PANEL**

See I. Appliance Preparation, page 24 and Figure 55, page 31.



Figure 48 - Placing the Rock Wool

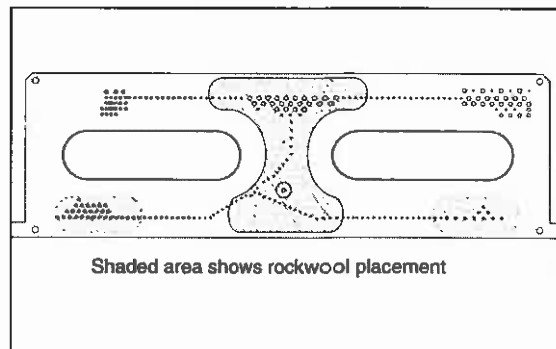


Figure 49 - Placing the Rock Wool

## J. DETERMINING THE IGNITION TYPE

To determine whether your appliance is an electronic ignition or a standing pilot ignition, open the control access panel to examine the wiring system. If your system has a red ignitor button (as shown in Figure 50), you own a standing pilot ignition appliance. If no red ignitor button is present, you have an electronic ignition appliance.

You may also check the rating label located on the inside of the control access panel to determine ignition type.



**Figure 50**  
Typical Standing Pilot Ignition

## K. LIGHTING INSTRUCTIONS

### 1. ELECTRONIC IGNITION

#### FOR YOUR SAFETY READ BEFORE OPERATING

##### 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 does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE OPERATING 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 supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- C. Never use tools. If the lever or knob will not move 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 the appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

#### LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Turn wall switch to the "OFF" position.
3. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light burner by hand.
4. Wait five minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go on to the next step.
5. To turn on burner, turn on the wall switch.
6. If the appliance will not operate, follow the instructions "TO TURN OFF GAS TO APPLIANCE" and call your service technician or gas supplier.

#### TO TURN OFF GAS TO APPLIANCE

1. Turn off the wall switch.
2. Turn gas line to the "OFF" position.
3. Close control access panel.

STANDING PILOT IGNITION

**FOR YOUR SAFETY  
READ BEFORE OPERATING**

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

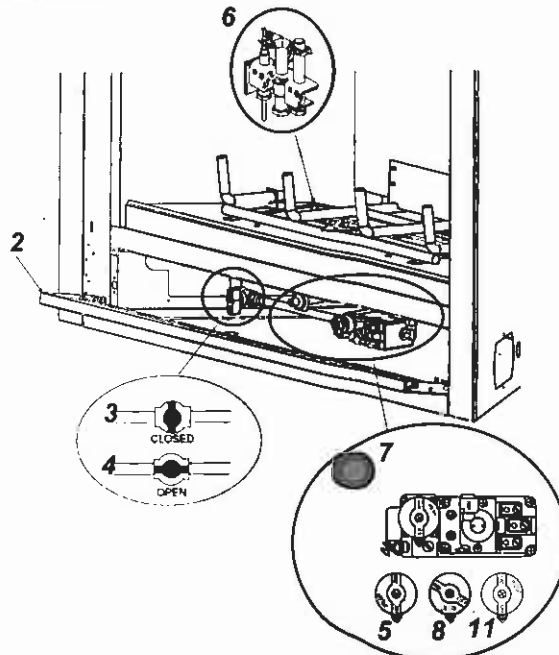
- A. This gas appliance has a manual ignition device that lights the pilot. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

**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 supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob to light the pilot. Never use tools. If the knob will not push in or 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 the appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

**LIGHTING INSTRUCTIONS  
STOP! READ THE SAFETY INFORMATION ABOVE ON THIS LABEL!**

1. Turn wall switch to the "OFF" position.
2. Open control access panel.
3. Turn gas line to "CLOSED". Wait five minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
4. Turn gas line to "OPEN".
5. Turn pilot knob clockwise to "OFF". (Knob may have to be depressed to pass the "PILOT" position.)
6. Locate pilot assembly inside the appliance.
7. Locate red ignitor button.
8. Turn pilot knob to "PILOT" and push in.
9. Continue to hold in pilot knob and push the red ignitor button 12-15 times until small blue pilot flame appears.
10. Continue to hold in pilot knob for approximately one minute. Pilot should remain lit. If pilot goes out, wait five minutes and repeat Steps 4-9.
11. Release and turn the knob counterclockwise to "ON". To light main burner, turn wall switch to "ON". Do not light by hand.
12. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



**TO TURN OFF GAS TO APPLIANCE**

1. Turn off the wall switch.
2. Open the control access panel.
3. Turn the manual shutoff valve to the "CLOSED" position. Do not force.
4. Close the control access panel.

## L. SEASONAL CHECK LIST

**WARNING!**

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the appliance.

**CAUTION:**

Any safety screen or guard removed for servicing this appliance must be replaced prior to operating this appliance.

Clothing or other flammable material should not be placed on or near the appliance.

**Note:** Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

**BEFORE OPERATING THIS APPLIANCE HAVE A QUALIFIED TECHNICIAN:**

- A. Review proper placement of logs, rock wool, lava rock and vermiculite.
- B. Check the wiring.
- C. Check the air shutter adjustment.
- D. Ensure that there are no gas leaks.
- E. Ensure that the glass is sealed and in the proper position.
- F. Ensure that the flow of combustion and ventilation air is not obstructed.

**WARNING!**

Keep the area near the appliance clear and free of combustible materials, gasoline and other flammable vapors and liquids.