INSTALLER:
Leave this manual with the appliance.

CONSUMER:
Retain this manual for future reference.

⚠️ WARNING
FIRE OR EXPLOSION HAZARD
If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

— Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

— WHAT TO DO IF YOU SMELL GAS
  • Do not try to light any appliance.
  • Do not touch any electrical switch; do not use any phone in your building.
  • Leave the building immediately.
  • 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.

— Installation and service must be performed by a qualified installer, service agency or the gas supplier.

General Information: These instructions are intended as a general guide and do not supersede national or local codes in any way. Authorities having jurisdiction should be consulted before installation. Installation and provision for combustion and ventilation air must conform to the National Fuel Gas Code, ANSI Z223.1, or CAN/CGA-B149.1, Natural Gas Installation Code.

RADIANT VENTED BURNER
(Requires Vented Log Set)
FOR INSTALLATION IN
SOLID-FUEL BURNING
FIREPLACES.
MATCH-LIGHT MODELS:
BFL(2124,30)MTN

CONGRATULATIONS on the purchase of your new VENTED BURNER! Your Decorative Gas Burner is designed and intended for installation in an approved, existing, fully vented, wood-burning fireplace, with a gas hook-up.

IMPORTANT! Read these instructions carefully before installing or operating this gas appliance. These instructions should be left with the homeowner for future reference.

⚠️ WARNING
This log set is to be installed only in a solid-fuel burning fireplace with a working flue constructed of non-combustible material. The vent damper must also have a damper clamp attached to it to keep the damper from accidentally closing during operation.

⚠️ WARNING
If not installed, operated and maintained in accordance with the manufacturer’s instructions, this product could expose you to substances in fuel or from fuel combustion which can cause death or serious illness.

⚠️ WARNING
This appliance must be installed only in a solid-fuel burning fireplace with a working flue and construction of noncombustible materials. This unit is NOT for use with solid fuel. Solid fuels shall NOT be burned in a fireplace where a decorative appliance is installed.
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<td>How To Order Repair Parts</td>
<td>17</td>
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<tr>
<td>Warranty</td>
<td>18</td>
</tr>
<tr>
<td>Appliance Service History</td>
<td>19</td>
</tr>
</tbody>
</table>
BEFORE YOU START

Samples and Definitions:

⚠️ DANGER
Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠️ WARNING
Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠️ CAUTION
Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE: Addresses practices not related to personal injury.

1. Read the safety information on pages 4 and 5.
2. Review gas line information on pages 6 and 7.
3. Light the burner and troubleshoot. See pages 14 and 15.
4. Show the homeowner how to operate the burner.
5. Show the homeowner how to do the basic maintenance.

These instructions are intended as a general guide and do not supersede national or local codes in any way. Authorities having jurisdiction should be consulted before installation.

- Follow all local codes regarding installation, combustion and ventilation air or in the absence of local codes follow the National Fuel Gas Code ANSI Z223.1(U.S. installation), or CAN/CGA-B149, Installation Code (Canada installation) and with ANSI Z21.84 Manually Lighted Decorative Vented Appliances for Solid Fuel Burning Fireplaces.
- Installation and provision for combustion and ventilation air must conform to the National Fuel Gas Code, ANSI Z223.1, or CAN/CGA-B149.1, Natural Gas Installation Code, or CAN/CGA-B149.2, Propane Installation Code.
- The installation of appliances designed for manufactured home (U.S. only) or mobile home installation must conform with the Standard for Mobile House, CAN/CSA Z240 MH, in Canada, or with the Manufactured Home Constructions and Safety Standard, Title 24 CFR, Part 3280, in the United States, or when such a standard is not applicable, Manufactured Home Installations Standard, ANSI/NCSBCS A225.1/NFPA 501A.
CARTON CONTENTS & HARDWARE PACK

HARDWARE PACK CONTENTS

1/4" X 1 1/4" SLOTTED HEX HEAD ANCHOR SCREW

DAMPER CLAMP (1)

CARTON CONTENTS

INDEX NUMBER Description Quantity Supplied
1 Match-light Burner Assembly 1
2 Flexline 1
3 Lighting Rod 1
4 Lava Rock 2
5 Rockwool Mix 5
NS Fiber Heat Sink 1

See Parts List on page 16 for ordering replacement parts. Do not order batteries, bolts, screws, washers or nuts. They are standard hardware items and can be purchased at any local hardware store.

IMPORTANT SAFETY INFORMATION

Installer: Leave these instructions with the owner. For Installation In Solid Fuel Burning Fireplaces. Do not burn wood or solid fuels in a fireplace where a decorative gas log set is installed. This appliance is for installation only in a solid fuel burning fireplace, masonry fireplace or manufactured fireplace.

WARNING

Before installing in a solid fuel burning fireplace, the chimney flue and firebox must be cleaned of soot, creosote, ashes and loose paint by a qualified chimney cleaner.

WARNING

Do not allow fans to blow directly into or at the fireplace. Avoid any drafts that alter burner flame patterns.

WARNING

Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this appliance.

DANGER

Any modification to this gas log set or to controls can be dangerous. Improper installation or use of the gas log set can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.

WARNING

Do not operate this burner with glass doors closed.

- Installation and repair must 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 materials, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.
- Dot not place clothing or other flammable material on or near the appliance.
- Do not place trash or other articles on the log set during operation.
- Do not put anything around the fireplace that will obstruct the flow of ventilation air.
- Do not use this 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.
- Do not use thermostats on vented burner applications
- Keep the appliance area clear and free from combustible material, gasoline and other flammable vapors and liquids.
- Keep burner and control compartment clean.
- A yearly examination and cleaning of the venting system of the solid-fuel burning fireplace must be performed by a qualified agency.
IMPORTANT SAFETY INFORMATION (CONT’D)

• Make a periodic visual check of burners. Clean and replace damaged parts.
• Alert children and adults to the hazards of high surface temperatures and caution them to stay away to avoid burns or clothing ignition.
• Carefully supervise young children when they are in the same room as the appliance.
• During manufacture, this burner is treated with certain oils, films and bonding agents. These substances are not harmful but may produce smoke and odors as they burn off during initial operation of the fireplace. This is normal. Open a window during the initial bake out period.
• Proper installation, burner pan location and log placement is important to achieve optimum look and performance of your gas log set. Follow the log assembly sequence for proper operation.
• Do not operate this log set with glass doors in the closed position. A fireplace screen must be in place when the log set is burning. Adequate combustion air must be provided for proper venting. All flames should go up and out the top of the firebox into the flue vent. If any flames float or curl forward into the room do not operate appliance. Check for an open flue and adequate combustion air into the room. A damper clamp must be installed on the firebox damper to maintain an open flue. See page 9.

• Young children must be carefully supervised when they are in the same room as the gas log while in operation. Do not place stockings, clothing or any flammable material above or near the fireplace.

• Do not substitute or use materials other than those supplied for use with the log set.

★ WARNING
Follow all gas leak check procedures in this manual, prior to operation.

★ WARNING
Fuels used in gas or oil-fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm. This warning is issued pursuant to California Health & Safety Code Sec. 25249.6.

DO NOT ATTEMPT TO DISCONNECT THE GAS OR ANY GAS FITTING WHILE THIS APPLIANCE IS IN OPERATION.
NEVER leave the decorative gas log set unattended while in operation.
NEVER allow children to operate this decorative gas log set.
NEVER place hands or fingers on the front-edge of this decorative gas log set.
NEVER use liquid propane gas in a natural gas unit, or natural gas in a liquid propane unit.
DO NOT use solid-fuel or lighter fluid in any decorative gas log set.

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

★ WARNING
Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control that has been under water.

Follow these instructions exactly when lighting the appliance. BEFORE LIGHTING, smell around the appliance area for gas. Be sure to smell next to the floor, as propane gas is heavier than air and will settle to the floor.

★ WARNING
All gas burning appliances produce smoke and carbon monoxide gas during operation. These fumes can be harmful if the appliance is used in any other than a fully vented fireplace.

★ WARNING
The Commonwealth of Massachusetts requires that the chimney flue damper, when used with decorative gas log sets, be welded open or completely removed. In the Commonwealth of Massachusetts, this appliance must be installed by a licensed plumber or gasfitter.

★ WARNING
Improper installation, adjustment, alteration, service or maintenance, can cause property damage, personal injury or loss of life. Refer to the owner’s information manual, provided with this appliance. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

GAS WARNING ODOR
If a gas leak happens, you should be able to smell the gas because of the odorant put in the propane gas. That's your signal to go into immediate action!
• Do not operate electric switches, light matches, use your phone. Do not do anything that could ignite the gas.
• Get everyone out of the building, vehicle, trailer, or area. Do that IMMEDIATELY.
• Close all gas tank or cylinder supply valves.
• Propane gas is heavier than air and may settle in low areas such as basements. When you have reason to suspect a gas leak, keep out of basements and other low areas. Stay out until firefighters declare them to be safe.
• Use your neighbor’s phone and call a trained propane gas service person and the fire department. Even though you may not continue to smell gas, do not turn on the gas again. Do not re-enter the building, vehicle, trailer, or area.
• Finally, let the service man and firefighters check for escaped gas. Have them air out the area before you return. Properly trained propane gas service people should repair the leak, then check and relight the gas appliance for you.

39248-5-1019

Page 5
### PRODUCT SPECIFICATIONS

#### NATURAL GAS

<table>
<thead>
<tr>
<th>Gas Inlet Pressure</th>
<th>Match Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.</td>
<td>10.5&quot;</td>
</tr>
<tr>
<td>Min.</td>
<td>7.0&quot;</td>
</tr>
</tbody>
</table>

#### Model | Gas Type | Orifice | BTUH Max. Rate |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BFL2124MTN</td>
<td>NAT</td>
<td>3.20 mm</td>
<td>55,000</td>
</tr>
<tr>
<td>BFL30MTN</td>
<td>NAT</td>
<td>3.50 mm</td>
<td>65,000</td>
</tr>
</tbody>
</table>

#### MINIMUM FIREPLACE DIMENSIONS

**MASONRY BUILT FIREPLACES**

Chimney Height Minimum of 6 Feet

<table>
<thead>
<tr>
<th>Burner Size</th>
<th>Rear Width A</th>
<th>Depth B</th>
<th>Front Width C</th>
<th>Height D</th>
<th>Minimum Vent in Sq. Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>2124</td>
<td>22</td>
<td>16</td>
<td>26</td>
<td>20</td>
<td>49</td>
</tr>
<tr>
<td>30</td>
<td>26</td>
<td>16</td>
<td>32</td>
<td>20</td>
<td>49</td>
</tr>
</tbody>
</table>

For Burners without control valves (match-light) the fireplace minimum front width above allows for centering the log set. When adding valve kit to a Burner, add 4 inches to minimum fireplace widths shown above.

**NOTE:** Natural gas match throw sets may be used in some areas. Check your local codes for this configuration.

**HIGH ALTITUDE DE-RATE**

In the U.S.A., input BTU shall be de-rated at 4% (1 orifice size) per 1000 feet for altitudes above 2000 feet. In Canada, input BTU shall be de-rated 10% (2 orifice sizes) at altitudes from 2000 feet to 4500 feet.

**NOTE:** The air shutter settings on all models are 1/16" open.

---

![Diagram of fireplace dimensions](image)
GAS SUPPLY

Check all local codes for requirements, especially for the size and type of gas supply line required.

### Recommended Gas Pipe Diameter

<table>
<thead>
<tr>
<th>Pipe Length</th>
<th>Schedule 40 Pipe Inside Diameter</th>
<th>Tubing, Type L Outside Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Natural</td>
<td>Propane</td>
</tr>
<tr>
<td>0-10 feet</td>
<td>1/2”</td>
<td>3/8”</td>
</tr>
<tr>
<td>0-3 meters</td>
<td>12.7mm</td>
<td>9.5mm</td>
</tr>
<tr>
<td>10-40 feet</td>
<td>1/2”</td>
<td>1/2”</td>
</tr>
<tr>
<td>4-12 meters</td>
<td>12.7mm</td>
<td>12.7mm</td>
</tr>
<tr>
<td>40-100 feet</td>
<td>1/2”</td>
<td>1/2”</td>
</tr>
<tr>
<td>13-30 meters</td>
<td>12.7mm</td>
<td>12.7mm</td>
</tr>
<tr>
<td>100-150 feet</td>
<td>3/4”</td>
<td>1/2”</td>
</tr>
<tr>
<td>31-46 meters</td>
<td>19mm</td>
<td>12.7mm</td>
</tr>
</tbody>
</table>

**NOTICE:** Never use plastic pipe. Check to confirm whether your local codes allow copper tubing or galvanized.

**NOTICE:** Since some municipalities have additional local codes, it is always best to consult your local authority and installation code.

### Installing A New Main Gas Shut-Off

Each appliance should have its own manual gas shut-off. In the Commonwealth of Massachusetts the gas shut-off must be a T handle type.

A manual main gas shut-off should be located in the vicinity of the unit. Where none exists, or where its size or location is not adequate, contact your local authorized installer for installation or relocation.

Compounds used on threaded joints of gas piping shall be resistant to the action of liquefied petroleum gases. The gas lines must be checked for leaks by the installer. This should be done with a soap solution watching for bubbles on all exposed connections, and if unexposed, a pressure test should be made.

**Never use an exposed flame to check for leaks.** Appliance must be disconnected from piping at inlet of control valve and pipe capped or plugged for pressure test. **Never pressure test with appliance connected; control valve will sustain damage!**

A gas valve and ground joint union should be installed in the gas line upstream of the gas control to aid in servicing. It is required by the National Fuel Gas Code that a drip line be installed near the gas inlet. This should consist of a vertical length of pipe tee connected into the gas line that is capped on the bottom in which condensation and foreign particles may collect.

The use of the following gas connectors is recommended:

- ANSI Z21.24 Appliance Connectors of Corrugated Metal Tubing and Fittings
- ANSI Z21.45 Assembled Flexible Appliance Connectors of Other Than All-Metal Construction

The above connectors may be used if acceptable by the authority having jurisdiction. The Commonwealth of Massachusetts requires that a flexible appliance connector cannot exceed three feet in length.

### Pressure Testing of the Gas Supply System

1. To check the inlet pressure to the gas valve, a 1/8” (3.175mm) N.P.T. plugged tapping, accessible for test gauge connection, must be placed immediately upstream of the gas supply connection to the appliance.
2. The appliance and its individual shut-off 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 psig (3.5 kPa).
3. The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

**Attention!** If one of the procedures results in pressures in excess of 1/2 psig (14" w.c.) (3.5 kPa) on the appliance gas valve, it will result in a hazardous condition.
Introduction
Always consult your local Building Department regarding regulations, codes or ordinances which apply to the installation of a vented decorative gas log set in a solid-fuel burning fireplace. This appliance is only for use with the type of gas indicated on the rating plate.

Instructions to Installer
1. Installer must leave instruction manual with owner after installation.
2. Installer must have owner fill out and mail warranty card supplied with the fireplace.
3. Installer should show owner how to start and operate the fireplace.

WARNING
ANY CHANGE TO THIS APPLIANCE OR ITS CONTROLS CAN BE DANGEROUS. Improper installation or use of the appliance can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.

General Information
Any alteration of the original design, installed other than as shown in these instructions or use with a type of gas not shown on the rating plate is the responsibility of the person and company making the change.

Important
All correspondence should refer to complete Model No., Serial No. and type of gas.

NOTICE: During initial use of the log set, you will detect an odor as the log set is cured.

NOTICE: Thermostats are not approved on vented decorative appliances.
Qualified Installing Agency

Installation and replacement of gas piping, gas utilization equipment or accessories and repair and servicing of equipment shall be performed only by a qualified agency. The term "qualified agency" means any individual, firm, corporation or company which either in person or through a representative is engaged in and is responsible for (a) the installation or replacement of gas piping or (b) the connection, installation, repair or servicing of equipment, who is experienced in such work, familiar with all precautions required and has complied with all the requirements of the authority having jurisdiction.

Commonwealth of Massachusetts: The installation must be made by a licensed plumber or gas fitter in the Commonwealth of Massachusetts.

The installation and the provisions for combustion and ventilation air must conform with the National Fuel Gas Code, ANSI Z223.1/ NFPA54* Canadian Installation Code CAN/CGA B149.

*Available from the American National Standards Institute, Inc. 11 West 42nd St., New York, N.Y. 10018.

High Altitude Installation

When installing this unit at an elevation above 2000 feet (in the United States) it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Generally, input should be reduced 4 percent for each 1000 feet above sea level. However, if the heating value of the gas has been reduced, this general rule may not apply. Check with local gas utility for proper orifice size identification.

For Canadian high altitude applications, this appliance is suitable for installation at elevations between 0 feet (0m) and 4,500 (1,370m) without change.

When installing this unit at an elevation above 4500 feet (1,370m) (in Canada), check with local authorities.

Consult your local gas utility for assistance in determining the proper orifice for location.

FIREPLACE PREPARATION

- Remove all contents from the burner shipping container (Box One).
- Check the contents of the shipping container against the shipping and packing list or the parts list in this manual. Report any missing or damaged parts to your retailer.
- Turn off gas supply to fireplace or firebox.
- Have the fireplace floor and chimney professionally cleaned to remove ashes, soot, creosote or other obstructions.
- Have this cleaning performed annually after installation.
- Seal any fresh air vents or ash clean-out doors located on floor or wall of fireplace. If not, drafting may cause pilot outage or sooting. Use a heat-resistant sealant. Do not seal chimney flue damper.

INSTALLING DAMPER CLAMP (See Figure 2)

Remove all ashes or other debris from the fireplace. If the fireplace is equipped with an ash dump be sure to seal the door with furnace cement or high temperature silicone. Be sure to check the damper for proper operation and verify that the flue passageway is open.

Attach damper clamp to the vent damper and tighten hold down bolt. Place the clamp over the lip of the damper and tighten the hold down bolt until the clamp is securely attached to the damper. (Requires a 3/8" nut driver or socket). This will prevent the damper from accidentally closing.

Figure 2
You must anchor the gas burner to the fireplace floor. Movement of unit may cause shifting of the gas logs which leads to sooting and improper burning. Grate movement could cause a gas leak. Special care is required if you are installing the unit into a sunken fireplace. You must raise the fireplace floor to allow access to gas log controls. This will insure adequate air flow and guard against sooting. Raise the fireplace floor using noncombustible materials.

ANCHORING PROCEDURE:

1. Center the appliance in the fireplace or firebox. Make certain the front feet of the grate sit inside the front edge of the fireplace or firebox.
2. An anchor hole is provided in the two bottom side members of the grate frame. After centering the grate correctly, mark the hole positions on the fireplace/firebox floor. Drill two (2) 5/32” diameter holes approximately 1-1/2” deep for masonry screws or 1/8” hole for sheet metal screws.
3. Anchor the grate to the fireplace/firebox floor using the screws provided. Refer to Figure 3.

Proper installation of the grate is essential to prevent any movement of the gas logs and controls during operation.

Figure 3

IMPORTANT
Before installing this appliance, have the fireplace and chimney professionally cleaned to remove any ashes, soot, creosote, or other obstructions. Perform this cleaning annually after installation.

IMPORTANT
For units with valve applications, complete pilot placement and gas train assembly before you place the unit into the fireplace.

IMPORTANT
Seal any fresh air vents or ash clean-out doors located on the floor or wall of the fireplace. If this is not performed, drafting may cause pilot outage or sooting. Use a heat-resistant sealant. DO NOT seal the chimney flue damper.

WARNING
Gas supply system must be installed in accordance with the U.S. National Fuel Gas Code. This appliance and its individual shut off valve must be disconnected from the gas supply piping system during any system pressure test in excess of 1/2 PSI (3.5 KPA). Use a system manual shut off valve to shut off the gas supply to this gas appliance before continuing with installation procedures.

WARNING
When installing the appliance, DO NOT obstruct the flow of combustion and ventilation air.

SET UP AND ASSEMBLY
Your Decorative Gas Log Hearth Kit comes ready for gas assembly connection particular for use in your area.

IMPORTANT
BEFORE YOU BEGIN - Audit the gas pressure at the fireplace stub to insure proper minimum gas pressure (see the specifications beginning on page 6 of this manual).

IMPORTANT
BEFORE YOU BEGIN - Insure that the firebox meets the minimum specifications of the appliance (see the specifications beginning on page 6 of this manual).

IMPORTANT
This appliance when first installed may produce unpleasant odors; these will gradually diminish.
TURN OFF THE GAS SUPPLY SYSTEM.

NOTICE: The Commonwealth of Massachusetts requires that the chimney flue damper, when used with decorative gas log sets, be welded open or completely removed.

INSTALLING THE APPLIANCE INTO A FIREPLACE

1. Bend a 1/2" gas line to facilitate the gas connection between the burner and the gas stub.

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas lines are easily kinked if bent too sharply.</td>
</tr>
</tbody>
</table>

2. Using two adjustable wrenches, and turning in a clockwise directions, attach one end of the gas line to a brass reducer fitting installed (one wrench on the brass gas line fitting, and one wrench on the brass reducer fitting) on the gas stub.

3. Using two adjustable wrenches, and turning in a clockwise direction, attach the other end of the gas line to the brass fitting on the burner (one wrench on the gas line fitting, and one wrench on the brass fitting on the burner).

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make sure all gas connections are snug but DO NOT over tighten!</td>
</tr>
</tbody>
</table>

4. CHECK FOR LEAKS! Apply soapy water to each connection and watch for bubbles. If bubbles are seen, turn off the gas supply, retighten the connections and CHECK AGAIN. DO NOT use a lighted match or other source of ignition to check for leaks. Repeat this procedure until you are sure that there are no leaks. Proceed to “FINAL SET UP on page 12.
1. Spread the rock wool over the burner. The rock wool should be broken into fluffy quarter-sized pieces.

2. Place the lava rock around the burner assembly.

STOP!

The LKF Fiber Log Set and LPR2430 Refractory Log Set are the only two log sets which are approved for use on these burners. DO NOT substitute a different log set or deviate from the log placement sequence. Refer to the log set up instructions packaged with your Decorative Gas Logs.

3. Remove all contents from the Decorative Gas Log carton.
4. Check the contents of the carton against the shipping and packing list or the parts list in this manual. Report any missing or damaged parts to your retailer.
5. Remove any and all protective wrapping from the gas logs.
6. Arrange the decorative gas logs on the burner according to the instructions.
DOOR OPERATION

**CAUTION**
Operate the fireplace with the bifold glass doors in only the fully open position.

**NOTE:** Always close the mesh firescreens when operating the fireplace with the glass doors fully open.

CORRECT DOOR POSITION WHEN OPERATING THE FIREPLACE

FULLY OPEN DOORS

Figure 6

**WARNING**
DO NOT operate the fireplace with the doors partially open or closed. Operating the fireplace with the doors partially open or closed creates a hazardous situation.
- Partially open doors can cause sooting on front of the fireplace.
- Closed doors can cause the glass to overheat and shatter.

Figure 7
OPERATION

WARNING

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control that has been under water.

Follow these instructions exactly when lighting the appliance:

1. BEFORE LIGHTING, smell around the appliance area for gas. Be sure to smell next to the floor, as propane gas is heavier than air and will settle to the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical 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.

2. Lay a lighted match (using the included match holder) or lighted long-necked butane lighter on the burner pan surface, near the front.

3. Turn the remotely mounted fireplace gas valve to the ON position.

4. Your log set should light. When the burner is ignited, it will take a few seconds for the full flame pattern to develop.

5. If the log set does not light within ten seconds, immediately turn the gas valve to the OFF position.

6. Wait approximately five (5) minutes to clear out any gas, and repeat steps 1-5 above.

7. If your log set fails to light again, turn the valve to the OFF position and contact your dealer.

To extinguish your appliance:

1. Turn the gas valve knob to the OFF position. When the burner is extinguished, it will take a few seconds for the flames to disappear. It is normal for the flames to smolder in the rock wool as the remaining gas is burned.

2. Be sure the valve is turned fully off to avoid any gas leakage.

WARNING

Use only your hand to rotate the gas control knob. Never use tools. If the knob will not turn by hand, do not try to repair it; call a qualified service technician or installer. Force or attempted repair may result in a fire or explosion.

WARNING

All gas burning appliances produce smoke and carbon monoxide gas during operation. These fumes can be harmful if the appliance is used in any other than a fully vented fireplace.

WARNING

A fireplace screen must be in place when this appliance is in operation. Unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.

WARNING

When this decorative gas appliance is used in a fireplace equipped with a combustion air kit and glass doors, the glass doors should remain open during log set operation. This will maximize the radiant heat provided to the surrounding area, and minimize overheating of any valve installation. The glass doors may be closed when the log set is not in use.

CLEANING AND SERVICING

Keep the control compartment, logs and burner area surrounding the logs clean.

THE LOGS CAN GET VERY HOT—HANDLE ONLY WHEN COOL.

Always keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials.

Inspecting Venting System

A vented fireplace venting system is designed and constructed to develop a positive flow adequate to remove flue gases to the outside atmosphere.

Any foreign objects in the venting system, may cause spillage of the flue gases into the room.

Periodic examination and/or cleaning of the venting system of the solid-fuel burning fireplace must be done by a qualified service person. Visually inspect the damper and flue area for excessive soot build-up. This soot (carbon) may be removed by brushing with a soft bristle brush.
MAINTENANCE & SERVICE

The Decorative Gas Log Set should be thoroughly inspected on a regular basis at least once a year by a qualified installer.

At the beginning of each season, the system should be checked as follows:
1. Check the chimney flue or vent pipe to make sure that the flue is drawing properly, and that any vent pipe connections are tight.
2. Check to see that there are no blockages at the chimney or vent termination.
3. Check for creosote and soot build-up in chimney and/or vents and clean if necessary.
4. Inspect the pilot and burners (if applicable).

The burner system has been adjusted for proper operation at the factory. No adjustment is necessary, other than altitude de-rate or pilot flame.

**WARNING**

NEVER enlarge valve orifices or burner ports.

SOOTING

Some sooting of your log set is normal, adding to the appearance of burned wood. If excessive sooting accumulates, clean the logs using either of the following options:
1. When the logs are cold, remove logs from burner, brush the soot off with a brush. Do not use water or soot cleaners.
2. When the logs are cold, remove logs from burner. Take logs outside and remove soot with an air hose. Refer to Installation Instructions supplied with logs for re-installation information.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM OBSERVED</th>
<th>POSSIBLE CAUSE</th>
<th>CORRECTIVE MEASURE</th>
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</thead>
<tbody>
<tr>
<td>Gas odor during setup</td>
<td>Gas Leak</td>
<td>See “What to do if you smell gas” Pages 4 - 5. Check all gas connections</td>
</tr>
<tr>
<td>Gas odor before first ignition</td>
<td>Gas Leak</td>
<td>See “What to do if you smell gas” Pages 4 - 5. Check all gas connections</td>
</tr>
<tr>
<td>Delayed ignition</td>
<td>Low gas pressure</td>
<td>Check gas supply pressure</td>
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<tr>
<td></td>
<td>Clogged or dirty burner ports</td>
<td>Clean burner ports</td>
</tr>
<tr>
<td></td>
<td>Blocked orifice</td>
<td>Check orifice opening</td>
</tr>
<tr>
<td>Burner does not light but pilot</td>
<td>Low gas pressure</td>
<td>Check gas supply pressure</td>
</tr>
<tr>
<td>remains on</td>
<td>Clogged or dirty burner ports</td>
<td>Clean burner ports</td>
</tr>
<tr>
<td></td>
<td>Blocked orifice</td>
<td>Check orifice opening</td>
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<tr>
<td></td>
<td>Faulty pilot or thermocouple</td>
<td>Replace safety pilot</td>
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<tr>
<td></td>
<td>Faulty valve</td>
<td>Replace valve</td>
</tr>
<tr>
<td>Incorrect burner flame</td>
<td>Incorrect gas supply or pressure</td>
<td>Check gas supply pressure</td>
</tr>
<tr>
<td></td>
<td>Blocked orifice</td>
<td>Check orifice opening</td>
</tr>
<tr>
<td></td>
<td>Clogged or dirty burner ports</td>
<td>Clean burner ports</td>
</tr>
<tr>
<td></td>
<td>Faulty valve</td>
<td>Replace valve</td>
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<tr>
<td></td>
<td>High altitude</td>
<td>Adjust orifice size for altitude</td>
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<tr>
<td>Backfire of burner</td>
<td>Blocked orifice</td>
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<tr>
<td></td>
<td>Clogged or dirty burner ports</td>
<td>Clean burner ports</td>
</tr>
<tr>
<td></td>
<td>Low gas pressure</td>
<td>Check gas supply pressure</td>
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<tr>
<td>Appliance produces unwanted</td>
<td>Vapors from paint, hair spray, glues,</td>
<td>Ventilate room</td>
</tr>
<tr>
<td>odors</td>
<td>etc.</td>
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</tr>
<tr>
<td></td>
<td>Initial burn-off of manufacturing</td>
<td>Ventilate room</td>
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<tr>
<td></td>
<td>chemicals</td>
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<tr>
<td>Logs appear to smoke</td>
<td>Vapors from manufacturing chemicals</td>
<td>Ventilate room</td>
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<td>Logs curing</td>
<td>See “Curing of Refractory Logs”</td>
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<tr>
<td>Whistle noise from appliance</td>
<td>Air in gas line</td>
<td>Bleed lines</td>
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<td></td>
<td>Control knob not in fully open position</td>
<td>Open control knob to full position</td>
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<td></td>
<td>Spiral gas flex line</td>
<td>Replace gas feed line</td>
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## EXPLODED VIEW AND PARTS LIST

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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<tr>
<td>1</td>
<td>11788</td>
<td>DECORATIVE ROCK</td>
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<tr>
<td>2</td>
<td>15496</td>
<td>ROCK WOOL</td>
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<td>3</td>
<td>R2809</td>
<td>DAMPER CLAMP</td>
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<td>4</td>
<td>R12219</td>
<td>FLEX LINE</td>
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<td>5</td>
<td>R734</td>
<td>LIGHTER ROD</td>
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<td>6</td>
<td>P253</td>
<td>ORIFICE FITTING, ELBOW</td>
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<td>ORIFICE, 3.50mm</td>
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<td>P328</td>
<td>ORIFICE, 3.20mm</td>
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<td>8</td>
<td>R7624</td>
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<td>9</td>
<td>R11977</td>
<td>VENTURI</td>
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<td>38898</td>
<td>FIBER HEAT SINK</td>
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<td>2124</td>
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</tbody>
</table>
To Order Parts Under Warranty, please contact your local Empire dealer. See the dealer locator at www.empirecomfort.com. To provide warranty service, your dealer will need your name and address, purchase date and serial number, and the nature of the problem with the unit.

To Order Parts After the Warranty Period, please contact your dealer or one of the Master Parts Distributors listed below. This list changes from time to time. For the current list, please click on the Master Parts button at www.empirecomfort.com. Please note: Master Parts Distributors are independent businesses that stock the most commonly ordered Original Equipment repair parts for Heaters, Grills, and Fireplaces manufactured by Empire Comfort Systems Inc.

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**Dey Distributing**
1401 Willow Lake Boulevard
Vadnais Heights, MN 55101

**Phone:** 651-490-9191  
**Toll Free:** 800-397-1339  
**Website:** www.deydistributing.com  
**Parts:** Heater, Hearth and Grills

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**F. W. Webb Company**
200 Locust Street
Hartford, CT 06114

**Phone:** 860-722-2433  
**Toll Free:** 800-243-9360  
**Fax:** 860-293-0479  
**Toll Free Fax:** 800-274-2004  
**Websites:** www.fwwebb.com & www.victormfg.com  
**Parts:** Heater, Hearth and Grills

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**East Coast Energy Products**
10 East Route 36
West Long Branch, NJ 07764

**Phone:** 732-870-8809  
**Toll Free:** 800-755-8809  
**Fax:** 732-870-8811  
**Website:** www.eastcoastenergy.com  
**Parts:** Heater, Hearth and Grills

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**How To Order Repair Parts**

**Parts Not Under Warranty**
Parts can be ordered through your Service Person, Dealer, or a Master Parts Distributor. See this page for the Master Parts Distributors list. For best results, the service person or dealer should order parts through the distributor. Parts can be shipped directly to the service person/dealer.

**Warranty Parts**
Warranty parts will need a proof of purchase and can be ordered by your Service Person or Dealer. Proof of purchase is required for warranty parts.

All parts listed in the Parts List have a Part Number. When ordering parts, first obtain the Model Number and Serial Number from the name plate on your equipment. Then determine the Part Number (not the Index Number) and the Description of each part from the following illustration and part list. Be sure to give all this information . . .

Appliance Model Number ___________________________ Part Description ___________________________

Appliance Serial Number ___________________________ Part Number ___________________________

Type of Gas - Natural ___________________________

Do not order bolts, screws, washers or nuts. They are standard hardware items and can be purchased at any local hardware store. Shipments contingent upon strikes, fires and all causes beyond our control.
WARRANTY

Empire Comfort Systems Inc. warranties this hearth product to be free from defects at the time of purchase and for the periods specified below. Hearth products must be installed by a qualified technician and must be maintained and operated safely, in accordance with the instructions in the owner’s manual. This warranty applies to the original purchaser only and is not transferable. All warranty repairs must be accomplished by a qualified gas appliance technician.

Limited Lifetime – Refractory Logs
Should any part fail because of defective workmanship or material during the normal life of this product, Empire will repair or replace at Empire’s option.

Limited Five-Year Parts Warranty – Burners, Grates, Ceramic Fiber Logs
Should any part fail because of defective workmanship or material within five years from the date of purchase, Empire will repair or replace at Empire’s option.

Limited Two-Year Parts Warranty – Valves
Should the valve fail because of defective workmanship or material within two years from the date of purchase, Empire will repair or replace at Empire’s option.

Limited One-Year Parts Warranty – Remote Controls, Accessories, and Parts
Should any remote control, thermostat, accessory, or other part fail because of defective workmanship within one year from the date of purchase, Empire will repair or replace at Empire’s option.

Duties of the Owner
The appliance must be installed by a qualified installer and operated in accordance with the instructions furnished with the appliance. A bill of sale, cancelled check, or payment record should be kept to verify purchase date and establish warranty period. Ready access to the appliance for service.

What Is Not Covered
Damages that might result from the use, misuse, or improper installation of this appliance.
Travel, diagnostic costs and freight charges on warranted parts to and from the factory.
Claims that do not involve defective workmanship or materials.
Unauthorized service or parts replacements.
Removal and reinstallation cost.
Inoperable due to improper or lack of maintenance.

How To Get Service
To make a claim under this warranty, please have your receipt available and contact your installing dealer. Provide the dealer with the model number, serial number, type of gas, and purchase verification. The installing dealer is responsible for providing service and will contact the factory to initiate any warranted parts replacements. Empire will make replacement parts available at the factory. Shipping expenses are not covered.
If, after contacting your Empire dealer, service received has not been satisfactory, contact: Consumer Relations Department, Empire Comfort Systems Inc., PO Box 529, Belleville, Illinois 62222, or send an e-mail to info@empirecomfort.com with “Consumer Relations” in the subject line.

Your Rights Under State Law
This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.
# APPLIANCE SERVICE HISTORY

<table>
<thead>
<tr>
<th>Date</th>
<th>Dealer Name</th>
<th>Service Technician Name</th>
<th>Service Performed/Notes</th>
</tr>
</thead>
<tbody>
<tr>
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