



P/N 775,225M REV. C 03/2010



OTL Report No. 050-S-07b-5

*Ce manuel d'installation est disponible en français, s'il y a lieu, en faisant la demande. Numéro de la pièce 775,225CF.*

# INSTALLATION AND OPERATION

**B-Vent  
FIRESTAR™**

**MERIT™ SERIES**

## MODELS

**GC3**

# WARNING AVERTISSEMENT

**HOT GLASS WILL  
CAUSE BURNS.**

**DO NOT TOUCH GLASS  
UNTIL COOLED.**

**NEVER ALLOW CHILDREN TO  
TOUCH GLASS.**



**UNE SURFACE VITRÉE CHAUDE PEUT  
CAUSER DES BRÛLURES.**

**LAISSER REFROIDIR LA SURFACE  
VITRÉE AVANT D'Y TOUCHER.**

**NE PERMETTEZ JAMAIS À UN ENFANT  
DE TOUCHER LA SURFACE VITRÉE.**

**This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.**

**WARNING:** If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- 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.
  - 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.

**INSTALLER:** Leave this manual with the appliance.  
**CONSUMER:** Retain this manual for future reference.

**INSTALLATEUR:** Laissez cette notice avec l'appareil.  
**CONSOMMATEUR:** Conservez cette notice pour consultation ultérieure.

**AVERTISSEMENT:** Assurez-vous de bien suivre les instructions données dans cette notice pour réduire au minimum le risque d'incendie ou d'explosion ou pour éviter tout dommage matériel, toute blessure ou la mort.

- Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.
- **QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:**
  - Ne pas tenter d'allumer d'appareil.
  - Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones se trouvant dans le bâtiment où vous trouvez.
  - Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
  - Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.
- L'installation et l'entretien doivent être assurés par un installateur ou un service d'entretien qualifié ou par le fournisseur de gaz.

## CONGRATULATIONS!

When you purchased your new gas fireplace insert, you joined the ranks of thousands of individuals whose answer to their home heating needs reflects their concern for aesthetics, efficiency and our environment. We extend our continued support to help you achieve the maximum benefit and enjoyment available from your new gas fireplace insert.

Thank you for selecting a Lennox Hearth Products gas fireplace insert as the answer to your home heating needs.

## TABLE OF CONTENTS

Using this Manual .....	2
Safety and Warning Information .....	3
Orifice Size / Altitude Adjustment .....	5
Fireplace Requirements .....	5
Codes and Approvals .....	5
New York City, New York (MEA) .....	5
Requirements For The Commonwealth of Massachusetts .....	5
Pre-Installation .....	6-8
Features .....	6
Packaging List .....	6
Ratings .....	6
Insert and Fireplace Dimensions .....	6
Clearances to Combustibles .....	8
Insert Leveling .....	8
Installation .....	9-13
Venting Installation .....	9
Flue Collar Connection .....	9
Zero Clearance Fireplace Installation .....	10
Brick Liner Installation .....	10
Log Installation .....	10
Surround Panels Installation .....	11
Lower Front Filler Panel .....	12

Gas Line Installation .....	12
Gas Pressure Requirements .....	12
Gas Supply Line Sizing .....	12
LP and Natural Gas Supplies .....	13
Air Shutter Adjustment .....	13
Attaching Safety In Operation Warnings .....	14
Operating Instructions .....	15-19
Pre-Lighting Checklist .....	15
Lighting Instructions .....	15
Flame Color and Behavior .....	16
Replacing Burner Orifices .....	16
Paint Curing .....	17
Quiet Operation .....	17
Blower .....	17
Optional Wall Thermostat .....	17
“On-Off” Switch And Thermostat .....	17
Pilot Adjustment .....	18
Millivolt Control System .....	18
Millivolt Wiring Diagram .....	19
Maintenance and Servicing .....	19-21
Maintenance Checklist .....	19
Glass Maintenance .....	19
Glass Door Removal .....	20
Glass Door Cleaning and Repair .....	20
Blower Wiring Diagram .....	21
Blower Removal .....	21
Electrical Requirements .....	21
Fuel Conversion and Cassette Installation .....	21
Troubleshooting .....	22
Replacement Parts .....	23
Accessories .....	24
Insert Labels .....	25-26
Product Reference Information .....	28

### USING THIS MANUAL

Please read and carefully follow all of the instructions found in this manual. Please pay special attention to the safety instructions provided in this manual.

**PRODUCT IS SUBJECT TO CHANGE WITHOUT NOTICE**

## **IMPORTANT SAFETY AND WARNING INFORMATION**

### **WARNING**

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.

### **AVERTISSEMENT**

Les jeunes enfants devraient être surveillés étroitement lorsqu'ils se trouvent dans la même pièce que l'appareil. Les tout petits, les jeunes enfants ou les adultes peuvent subir des brûlures s'ils viennent en contact avec la surface chaude. Il est recommandé d'installer une barrière physique si des personnes à risques habitent la maison. Pour empêcher l'accès à un foyer ou à un poêle, installez une barrière de sécurité; cette mesure empêchera les tout petits, les jeunes enfants et toute autre personne à risque d'avoir accès à la pièce et aux surfaces chaudes.

### **WARNING**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

### **WARNING**

Failure to comply with these installation instructions will result in an improperly installed and operating appliance, voiding its warranty. Any change to this appliance and/or its operating controls is dangerous.

### **WARNING**

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

### **AVERTISSEMENT**

On ne devrait pas placer de vêtements ni d'autres matières inflammables sur l'appareil ni à proximité.

### **WARNING**

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

### **AVERTISSEMENT**

Tout écran ou protecteur retiré pour permettre l'entretien de l'appareil doit être remis en place avant de mettre l'appareil en marche.

### **WARNING**

Improper installation or use of this appliance can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.

### **WARNING**

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.

### **AVERTISSEMENT**

Les enfants et les adultes devraient être informés des dangers que posent les températures de surface élevées et se tenir à distance afin d'éviter des brûlures ou que leurs vêtements ne s'enflamment.

### **WARNING**

**DO NOT ATTEMPT TO ALTER OR MODIFY THE CONSTRUCTION OF THE APPLIANCE OR ITS COMPONENTS. ANY MODIFICATION OR ALTERATION MAY VOID THE WARRANTY, CERTIFICATION AND LISTINGS OF THIS UNIT.**

### **WARNING**

B-Vent appliances are not designed to operate in negatively pressured environments (pressure within the home is less than pressures outside). Significant negatively pressured environments caused by weather, home design, or other devices may impact the operation of these appliances. Negative pressures may result in poor flame appearance, sooting, damage to property and/or severe personal injury. Do not operate these appliances in negatively pressured environments.

- ◆ **FOR YOUR SAFETY** do not install or operate this appliance without first reading and understanding this manual. Any installation or operation of the appliance deviating from that which is stated in this manual WILL void the warranty and may be hazardous.
- ◆ **INSTALLATION AND REPAIR SHOULD ONLY BE DONE BY A QUALIFIED SERVICE TECHNICIAN. DO NOT ATTEMPT TO SERVICE THE APPLIANCE YOURSELF.**
- ◆ Do not make any make-shift compromises during installation. Any modification or alteration may result in damage to the appliance or dwelling and will void the warranty, certification and listings of this unit.
- ◆ Failure to use manufacturer provided parts, variations in techniques and construction materials or practices other than those described in this manual may create a fire hazard and void the limited warranty.
- ◆ This gas appliance must be equipped for the proper fuel type and altitude at which it will be operated. Any operation outside the parameters outlined in this manual may result in a hazardous condition and will void the warranty. Please carefully read the sections pertaining to these subjects and/or be sure your appliance is properly equipped.
- ◆ Never use solid fuels such as wood, paper, cardboard, coal, or any flammable liquids, etc., in this appliance.
- ◆ Any grill, panel, or glass removed for service **MUST** be replaced prior to operating the appliance. Do not operate appliance with the glass front removed, cracked or broken.
- ◆ Gold and nickel plated surfaces must be cleaned with glass cleaner and a clean soft cloth before firing the first time or fingerprints will remain permanently. **NEVER** use brass polish to clean gold or nickel, this will remove the plating!!!
- ◆ When opening the right side door to access controls while the appliance is burning, pull on the lowest part of the side door as the side door could be hot.
- ◆ LHP, its employees, or any of its representatives assume no responsibility for any damages caused by an inoperable, inadequate, or unsafe condition as a result of any improper operation, service or installation procedures, whether direct or indirect.
- ◆ Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- ◆ En raison des températures élevées, l'appareil devrait être installé dans un endroit où il y a peu de circulation et loin du mobilier et des tentures.
- ◆ Provide adequate clearances around air openings and adequate accessibility clearance for service and proper operation. Never obstruct the front openings of the appliance.
- ◆ These appliances are designed to operate on natural or propane gas only. The use of other fuels or combination of fuels will degrade the performance of this system and may be dangerous.
- ◆ These appliances are designed as supplemental heaters. Therefore, it is advisable to have an alternate primary heat source when installed in a dwelling.
- ◆ These appliances must not be connected to a chimney or flue serving a separate solid fuel burning appliance.
- ◆ These appliances are vented gas appliances. Do not burn wood or other material in these appliances.
- ◆ This appliance is only for use with the type of gas indicated on rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.
- ◆ Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique. Ne pas l'utiliser avec d'autres gaz sauf si un kit de conversion certifié est installé.
- ◆ Hot while in operation. Do not touch. Severe Burns may result. Keep children, clothing furniture, gasoline and other liquids having flammable vapors away.
- ◆ L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves. Surveiller les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides produisant des vapeurs inflammables loin de l'appareil.
- ◆ Ensure clearances are in accordance with local installation codes and the requirements of the gas supplier.
- ◆ Dégagement conforme aux codes d'installation locaux et aux exigences du fournisseur de gaz.
- ◆ Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etcetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.
- ◆ L'installation et la réparation devrait être confiées à un technicien qualifié. L'appareil devrait faire l'objet d'une inspection par un technicien professionnel avant d'être utilisé et au moins une fois l'an par la suite. Des nettoyages plus fréquents peuvent être nécessaires si les tapis, la literie, et cetera produisent une quantité importante de poussière. Il est essentiel que les compartiments abritant les commandes, les brûleurs et les conduits de circulation d'air de l'appareil soient tenus propres.
- ◆ Do not use these appliances if any part has been under water. Immediately call a qualified, professional service technician to inspect the appliance and to replace any parts of the control system and any gas control which have been under water.
- ◆ Ne pas utiliser cet appareil s'il a été plongé, même partiellement, dans l'eau. Appeler un technicien qualifié pour inspecter l'appareil et remplacer toute partie du système de commande et toute commande qui a été plongée dans l'eau.
- ◆ Only trim kit(s) supplied by the manufacturer shall be used in the installation of this appliance.
- ◆ Seules les trousse de garniture fournies par le fabricant doivent être utilisées pour l'installation de cet appareil.
- ◆ **INSTALLER: THESE INSTRUCTIONS ARE TO REMAIN WITH THE HOME OWNER!**

## ORIFICE SIZE/ALTITUDE ADJUSTMENT

For altitudes above 2,000 feet (In Canada 4,500 FT/1370 M), the orifice should be de-rated by 4% for every 1,000 feet to maintain the proper ratio of gas to air. Improper orifice sizing may result in damage and unsafe conditions. Changing the orifice should only be done by a qualified service technician. Contact your Lennox Hearth Products dealer for proper orifice sizes (see **Page 21** for more information).

## SMOKE DETECTORS

Since there are always several potential sources of fire in any home, we recommend installing smoke detectors. If possible, install the smoke detector in a hallway adjacent to the room (to reduce the possibility of occasional false activation from the heat produced by the appliance). If your local code requires a smoke detector be installed within the same room, you must follow the requirements of your local code. Check with your local building department for requirements in your area.

## CODES AND APPROVALS

### Certification

Gas appliances must be tested and certified by a nationally recognized testing and certification laboratory to ANSI (American National Standard Institute) gas appliance safety standards.

This insert has been tested and certified by OMNI -Test Laboratories to ANSI Z21.88 / CSA 2.33 Standard for Vented Gas Fireplace Heaters and CGA 2.17-M91 Gas-Fired Appliances for Use at High Altitudes in both USA and Canada.

It has met all necessary ANSI Standards and is fully certified for installation in any community. If there are any questions or if you need further substantiation either write to or call your Lennox Hearth Products dealer. If you have further questions, please contact Lennox Hearth Products.

Check all local building and safety codes before installation. The installation instructions and appropriate code requirements must be followed exactly and without compromise. In the absence of local codes the following standards and codes must be followed.

It has met all necessary ANSI Standards and is fully certified for installation in any community. If there are any questions or if you need further substantiation either write to or call your Lennox Hearth Products dealer. If you have further questions, please contact Lennox Hearth Products.

Check all local building and safety codes before installation. The installation instructions and appropriate code requirements must be followed exactly and without compromise. In the absence of local codes the following standards and codes must be followed.

The Installation must conform to local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54 - latest edition* (In Canada, the current *CAN/CSA-B149.1 installation code*).

The appliance, when installed, must be electrically grounded and wired in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70 - latest edition*, or the *Canadian Electrical Code, CSA C22.1 - latest edition*.

## NEW YORK CITY, NEW YORK (MEA)

Installation of these appliances are approved for installation in New York City in the US state of New York (MEA#: 138-07-E).

## COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS

### (Massachusetts Approval #G3-1104-102)

Installation of these appliances are approved for installation in the US state of Massachusetts if the following additional requirements are met:

- Install this appliance in accordance with Massachusetts Rules and Regulations 248 C.M.R. Sec. 5.08 2(a) through 2(e).
- Installation and repair must be done by a plumber or gas fitter licensed in the Commonwealth of Massachusetts.
- The flexible gas line connector used shall not exceed 36 inches (92 centimeters) in length.
- The individual manual shut-off must be a T-handle type valve.

## THE FIRESTAR™ FIREPLACE INSERT

- Must conform with all local, state and national installation codes. In the absence of local codes, the installation must conform with National Fuel Gas Code ANSI Z223.1 - latest edition, also known as NFPA 54 (In Canada, the current CAN/CSA B149.1 installation code). Refer to the National Fuel Gas Code and local zoning and code authorities for details on installation requirements.
- Must be vented directly to the outside in accordance with the latest edition of the National Fuel Gas Code and must never be attached to a chimney serving a separate solid fuel burning appliance.
- Uses room air for combustion. It is imperative that provisions for adequate combustion and ventilation air be made. This appliance is NOT designed to and will not operate in a negative pressure. Contact your dealer if you suspect such a situation exists.
- Has been certified for use with either natural gas or propane.
- Is not for use with solid fuels.
- Is approved for sitting rooms and/or bedrooms.

### Fireplace Requirements

These heaters are designed to be installed into an existing masonry fireplace (built to UBC 37 or ULC S628 standards) or factory built solid fuel, wood burning fireplace (listed to UL 127 or ULC S610) only. All exhaust gases must be vented outside the structure. Combustion air is drawn from outside the structure. When installing in a factory built fireplace, the fireplace grate must be removed and the damper must be removed or secured open.

If the factory-built fireplace has no gas access hole(s) provided, an access hole of 1-1/2 inches (38 mm) or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship like manner. This access hole must be plugged with a non-combustible insulation after the gas supply line has been installed.

Si le foyer préfabriqué ne comporte pas d'orifices d'amenée du gaz, un orifice d'au plus 37,5 mm (1,5 po) peut être pratiqué, selon les règles de l'art, dans la partie inférieure des parois ou au fond de la chambre de combustion. Cet orifice doit être obturé au moyen d'isolant incombustible une fois la conduite de gaz en place.

The installer must mechanically attach the marking supplied with the gas fireplace insert to the inside of the firebox of the fireplace into which the gas fireplace insert is installed.

**IMPORTANT: When installing these appliances into a factory built fireplace or heat-form, the air flow within and around the fireplace shall not be altered by the installation of the insert (i.e. DO NOT BLOCK louvers or cooling air inlet or outlet ports, circulating air chambers in a steel fireplace liner or metal heat circulator).**

## WARNING

THIS FIREPLACE HAS BEEN ALTERED TO ACCOMMODATE A FIREPLACE INSERT AND SHOULD BE INSPECTED BY A QUALIFIED PERSON PRIOR TO RE-USE AS A CONVENTIONAL FIREPLACE.

## PRE-INSTALLATION

### Features

### Installation Options

Residential - Vented Vertical Only  
 Natural Gas Or Propane (LP)  
 Bedrooms  
 Optional Wall-mounted Or Remote Thermostat

### Electrical

The blower motor requires 120 Volts AC for operation. The fireplace is not dependent on the blower or an outside electrical supply to operate.

### Millivolt Valve

This insert is operated with a millivolt valve and therefore burns even during a power outage.

### Fuel

This insert comes from the factory equipped to burn natural gas at a specified elevation. The insert can be converted to burn LP (liquid propane) by installing a conversion kit. Only Lennox Hearth Products conversion kits can be used to convert from NG to LP or LP to NG. Contact your Lennox Hearth Products dealer for details.

## Packaging List

To install a Firestar insert, an insert body and surround (flange) kit are required.

### Insert Body Packaging List


- 1 Insert Body with Burner Cassette and trivet
- 1 Set of Refractory Brick Panels - 3 pieces (H5866)
- 1 Log Set (H5860)
- 1 Lower front 2" filler panel
- 1 Fasteners: 6 slotted 1/4" truss screws  
4 speed nuts  
6 spring clips  
4-3/8" x 3" leveling bolts  
2 socket head screws
- 1 Installation and Operation Manual

### Surround Kits - One Required (sold separately)

- 29 X 41" Black Trim (75072)
- 29 X 48" Black Trim (75073)
- 33 X 41" Black Trim (75074)
- 33 X 48" Black Trim (75075)

### Surround Kit Contents

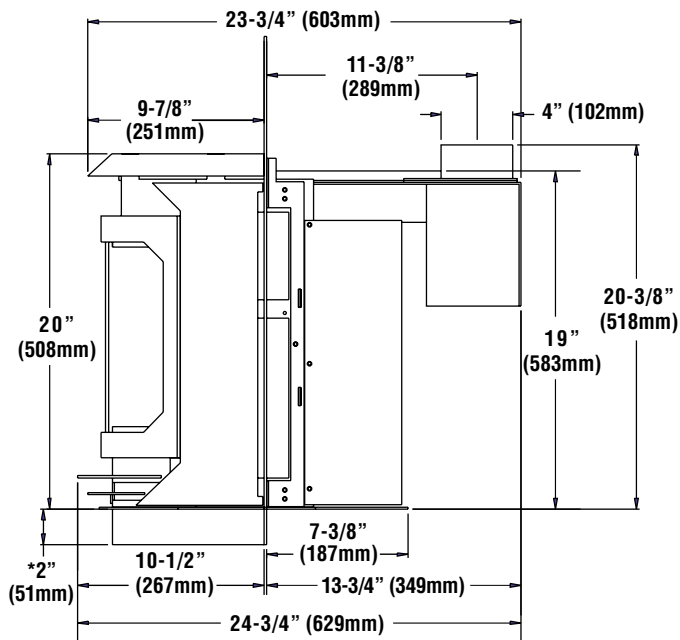
- 1 Top Surround
- 2 Side Surrounds
- 3 Black Trim Pieces
- 2 Elbowed Trim Fasteners

RATINGS	Firestar™ (GC3)	
	NATURAL GAS	LP GAS
MAX/MIN INPUT BTUH 0-2,000 FT (0-610 M) ❶	39,000/27,500	39,000/22,600
MANIFOLD PRESSURE (IN. WC)	1.7 - 3.5	3.5 - 10.0
MIN./MAX. INLET PRESSURE (IN. WC)	5.0 - 10.5	10.5 - 13.0
MAXIMUM HEAT OUTPUT BTUS/ HOUR "STEADY STATE"	31,200	31,200
P4 Efficiency <b>ENERGUIDE</b> ❷	67.09%	69.02%
ORIFICE (DMS) 0-2,000 FT (0-610 M) ❶	#33	#49
<b>❶ Unit factory equipped for 0-2000 FT/0-610 M, In Canada 0-4500 FT/0-1370 M</b> <b>❷ Tested to CSA P.4.1-02 "Testing Method for Measuring Annual Fireplace Efficiency."</b> <b>Electrical Rating: 120 VAC, 60 HZ, Less Than 2 Amps</b>		
<div style="text-align: right;">   <b>ENERGUIDE</b>                      Look for the <b>ENERGUIDE</b>                      Gas Fireplace Energy                      Efficiency Rating in this brochure  <small>Based on CSA P.4.1-02</small> </div>		



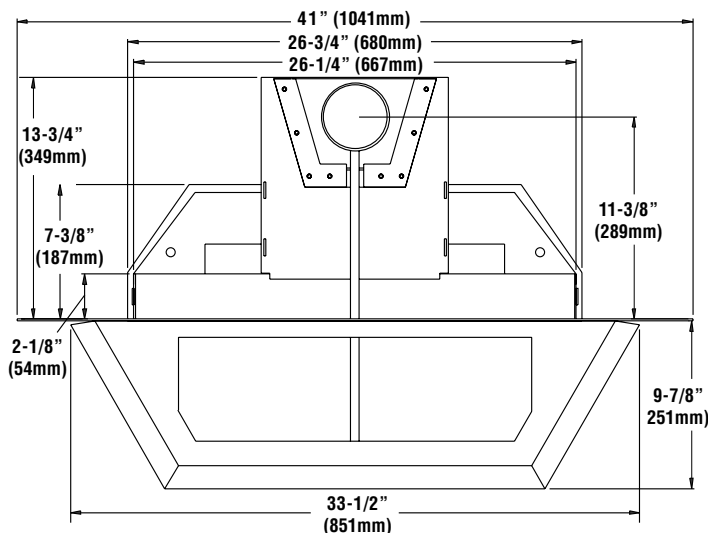
## Insert Dimensions

See **Figures 1, 2 and 3** showing insert dimensions and minimum fireplace firebox dimensions to aid you in determining proper fit into existing fireplace.



\* Equipped from the factory with a 2" filler. Contact your dealer for additional information.

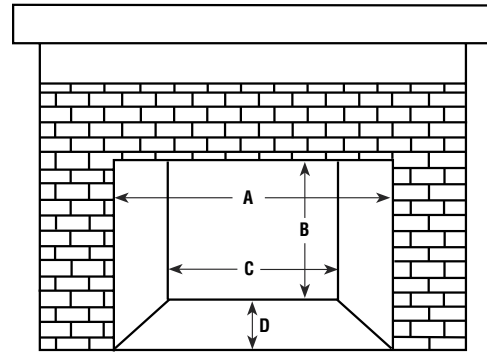
**Figure 1**



**Figure 2**

Insert Dimensions	
Width of insert behind Surround Panels	26-3/4" (680mm)
Rear height	18-7/8" (479mm)
Insert depth into fireplace	13-5/8" (346mm)
Flue center line from back of surround with standard draft hood	11-3/8" (289mm)
Flue collar diameter (OD)	3-15/16" (100mm)

## Minimum Fireplace Cavity



**Figure 3**

## Minimum Fireplace Opening Required

- A = 29-3/4" (756mm) Front Opening
- B = 19" (483mm) Height
- C = 19" (483mm) Rear Width
- D = 15-1/4" (387mm) Fireplace Depth

## CAUTIONS

- Trim panels or surrounds must not seal ventilation openings in the existing fireplace that the appliance is installed in.
- The fireplace in which this gas insert is to be installed must be thoroughly cleaned if it has been used to burn wood or synthetic logs. Have the chimney and all inside surfaces of the fireplace brushed and vacuumed so that no soot, embers, or loose combustion deposits can be drawn into the heat circulation blower and blown into the living area.
- If any portion of the chimney system shows signs of structural or mechanical weaknesses, such as: cracks, leaky joints, corroded or warped surfaces, the faulty portion must be repaired or replaced prior to installing this appliance.
- The factory built firebox must accept the insert without modification other than removing bolted or screwed together pieces such as baffles / smoke shelf / deflectors, ash lips, glass door, screen or door tracks, log grates, refractory or masonry lining and damper assemblies. Any fireplace component, which is removed, must be retained so they can be reinstalled to restore the fireplace to its original operating condition. The removal of any part must not alter the integrity of the outer shell of the pre-engineered fireplace cabinet in any way. Any parts removed must be replaceable. If any components are removed from (or altered) from the existing fireplace, a Warning Label (see *Page 5*) must be affixed inside the fireplace firebox, so that it shall be visible upon removal of the fireplace insert. **Note: RTV high temperature silicone is an approved adhesive to affix the label.**

Minimum Clearances to Combustibles

Minimum clearances include any projections such as shelves, window sills, mantels, spacers/standoffs or surfaces to combustible construction etc. above the appliance. Paint or lacquer used to finish the mantel must be heat resistant in order to avoid discoloration.

The letters below, C through H, correspond to **Figure 4** showing minimum clearances required from the appliance to combustibles and the minimum projection of the hearth extension.

- C = 6-1/2" (165mm) to Side Facing, 3/4" (19mm) or Less
- D = 11" (279mm) to Side Wall
- E = 24" to Mantel\*\*, more than 3/4" (19mm)
- F = 14-1/2" (368mm) to Top Facing, maximum thickness 3/4" (19mm)

Hearth Protection

- G = Minimum Hearth Protection from Front of Insert\*
- H = Vertical Distance from Insert Bottom to Combustible Material.

G	23" (584mm)	20" (508mm)	17" (432mm)	0" (0mm)
H	0" (0mm)	2" (51mm)	4" (102mm)	6" (152mm)

(\*Insert bottom is the metal lip below the lower gold trim bar).

**Note:** Hearth protection to be min. 3/8" (10mm) thick non-combustible or equivalent, with a k factor of .84.

Insert Leveling

The FireStar™ insert comes with four 3/8" x 3" leveling bolts (two for use at the rear and two at the front of the insert). The two at the rear can be used to raise the back of the insert resting on the fireplace hearth. The two at the front can be used to adjust the front of the insert on the hearth extension. To install the bolts a 3/8" nut should be threaded onto the bolt, followed by a 3/8" flat washer. The bolt should then be installed from the under side of the insert into the captive nut in the bottom of the insert. When the bolt is adjusted to the proper height the nut previously threaded onto the bolt can be snugged up to the insert bottom.

Clearances

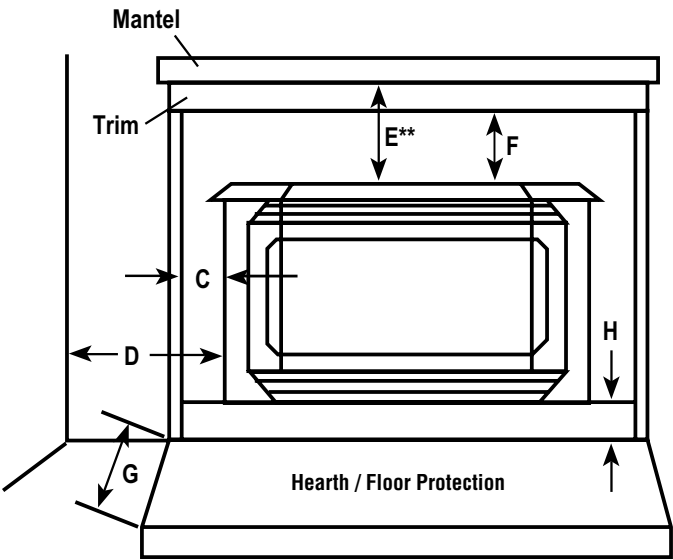


Figure 4

**\*\* The minimum distance from the top of the insert to a combustible may be reduced to 16" (406mm) with a mantel shield. The shield should be made from 18-gage or thicker sheet metal, 7" by 33" (178mm by 838mm). The shield must be centered over the insert and spaced one inch below the mantel. The shield can be fastened to and spaced from the mantel using four to six screws.**



## INSTALLATION

### Insert Venting

Refer to **Figure 6** which shows a typical installation of this appliance into an existing solid-fuel fireplace.

**WARNING:** This appliance is equipped with a safety control system designed to protect against improper venting of combustion products. Operation of this heater when not connected to a properly installed and maintained venting system or tampering with the blocked vent shut-off system can result in carbon monoxide (CO) poisoning and possible death.

Insert must be vented to the outside in accordance with the current edition of the National Fuel Gas Code ANSI-Z223.1-latest edition, also known as NFPA 54 (In Canada, the current CAN/CSA B149.1 installation code). The insert must **not** be connected to a chimney flue serving a separate solid fuel burning appliance.

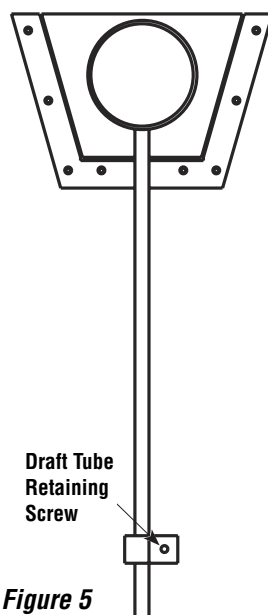
This gas insert requires a 4" diameter B-vent or listed flex aluminum or stainless chimney liner extending the entire length of the chimney to ensure proper operation. The vent should terminate with a chimney cap or rain cap. Chimney should be sealed around cap to prevent air and rain from entering chimney. Adhere to vent manufacturer's instructions for installation and vent termination.

**A minimum flue height of 12 feet is recommended.**

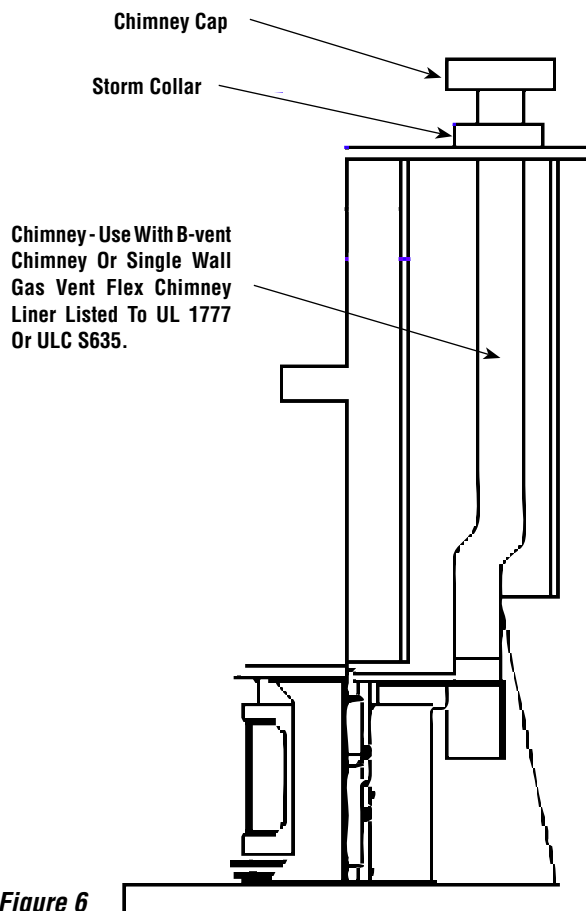
**The insert must be installed so the draft hood is in the same atmospheric pressure zone as the combustion air inlet to the appliance.**

### Flue Collar Connection

This insert has a detachable flue collar to ease installation. To detach flue collar lift removable vent (trivet) from top of insert, unscrew draft tube retaining screw (see **Figure 5**) and slide draft tube and flue collar to the rear. Attach flue collar (with 3 sheet metal screws or a B-vent connector) to vent pipe previously installed in chimney. As the insert is pushed into fireplace guide draft tube and flue collar into guide brackets until draft tube retaining screw can be reinstalled in its original hole.



**Figure 5**



**Figure 6**

## ! WARNING

**B-Vent Fireplace Insert Vent Requirements - Type B-Vent or listed gas fuel type vent liner listed to UL 1777 (Chimney Liners) or ULC S635 (Standard For Lining Systems For Existing Masonry Or Factory-built Chimneys And Vents).**

**Do not substitute the heat-rated flex liner (UL1777 or ULC S635) for the exhaust with any other type liner or a fire may result causing property damage, personal injury or loss of life.**

The following vent liner kits are available from Lennox Hearth Products (see **Figure 7** and table below).



**Figure 7**

VENT KITS		
Cat. #	Model	Description
H0906	VKBVI25	BVI, 4" Dia. x 25' Length
H0907	VKBI35	BVI, 4" Dia. x 35' Length

## Zero Clearance Fireplace Installation

This insert may be installed in a masonry or factory built/zero clearance (ZC) fireplace. When installing in a ZC fireplace, the ZC grate must be removed and the ZC damper must be removed or secured open. The ZC doors, screen, refractory or masonry lining, baffles and smoke shelf may be removed, if necessary, to install the gas insert. However, **do not cut or alter the fireplace components**. The removal of any parts to facilitate installation must not alter the integrity of the inner or outer shells of the fireplace cabinet. See *Fireplace Requirements* on **Page 5**.

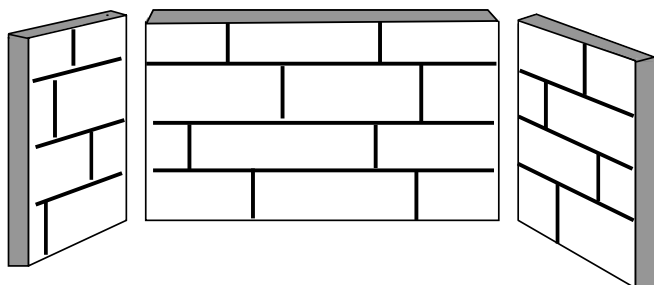
## Glass Door Removal

See **Page 20** for Glass Door Removal Instructions.

## Brick Liner Installation

**HANDLE THE BRICK PANELS WITH CARE (SEE FIGURE 8) AS THEY ARE FRAGILE. DO NOT FORCE THE PANELS INTO THE FIREBOX AS THEY WILL BREAK IF FORCED.**

1. Open and remove glass door, see "Front Door Removal"
2. The longest panel goes in the rear of the firebox. Tilt the top of the panel forward, insert the bottom of the panel in the brick panel retainer and push the panel to the up-right position.
3. Install the side panels by sliding the top of the panel into the top side brick retainer and then dropping the bottom of the panel into the bottom retainer. The rounded edge on the side brick panels goes toward the front.



3-Piece Brick Panel Set

**Figure 8**

## Log Installation Instructions

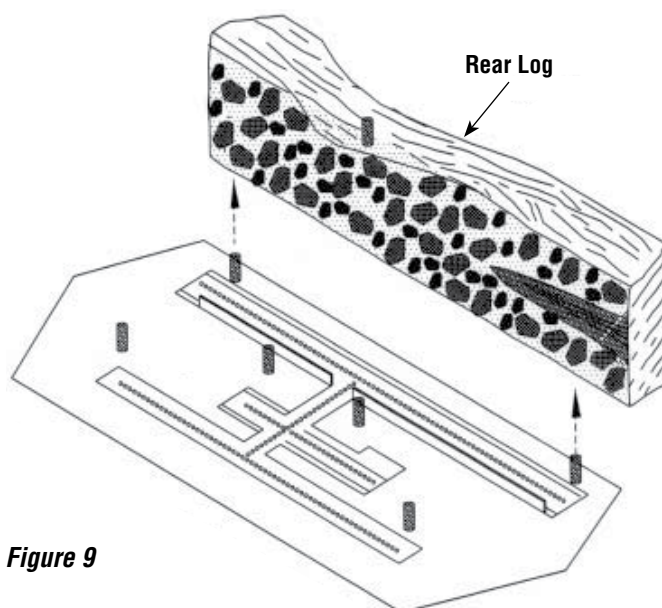
If logs are not installed according to the log installation instructions, flame impingement and improper combustion could occur and result in soot and/or excessive production of carbon monoxide (CO), a colorless, odorless, toxic gas.

**The size and position of the log set is critical to achieve a safe, reliable and attractive flame pattern. Any attempt to use a different log set in the fireplace will void the warranty and will result in incomplete combustion, sooting and poor flame quality.**

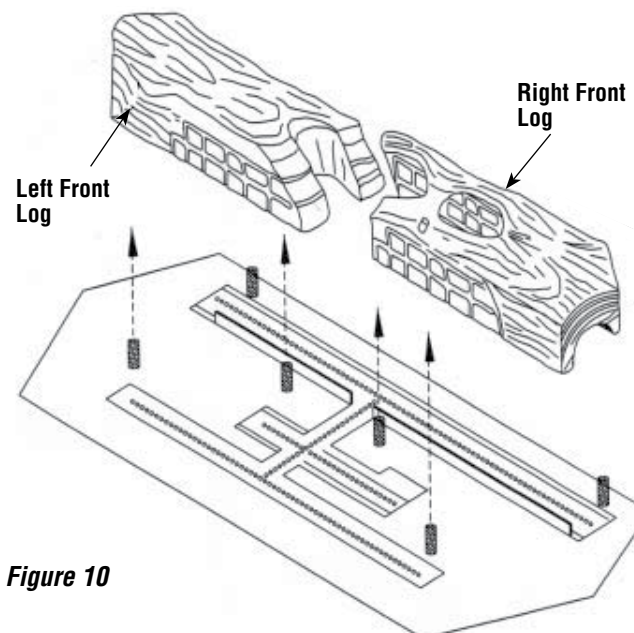
## Part list: Rear log, Right Front log, Left Front log and Top Twig

1. Remove the logs from the box and carefully unwrap them. The logs are fragile, so handle them with care.
2. Place the rear log with the charred surface forward, on the two rear locating pins (see **Figure 9**).
3. Place the left front log, with the charred surface forward, (see **Figure 10**) on the two left front locating pins. Next place the right front log, with the charred surface forward, on the two right front locating pins.

Continued on **Page 11...**



**Figure 9**

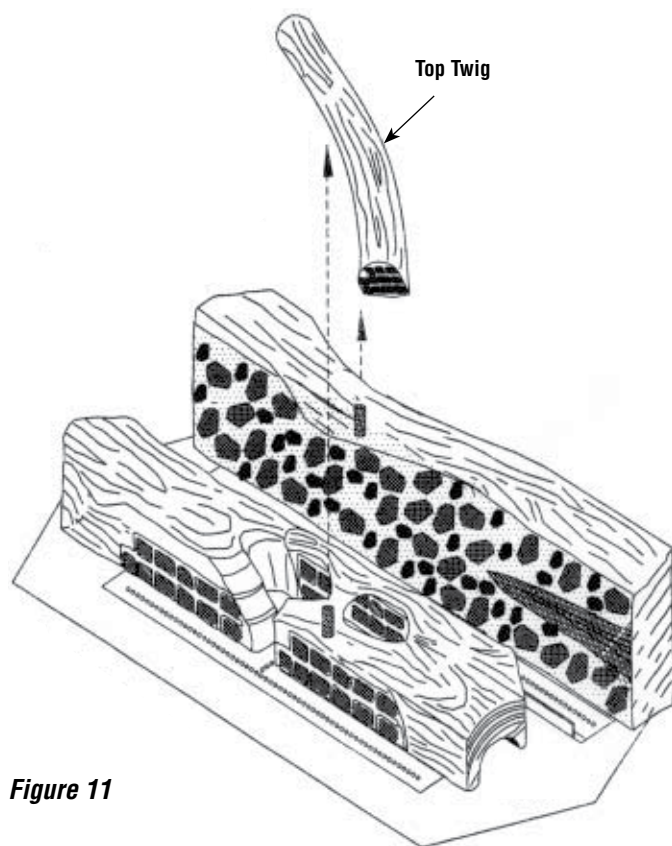


**Figure 10**

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

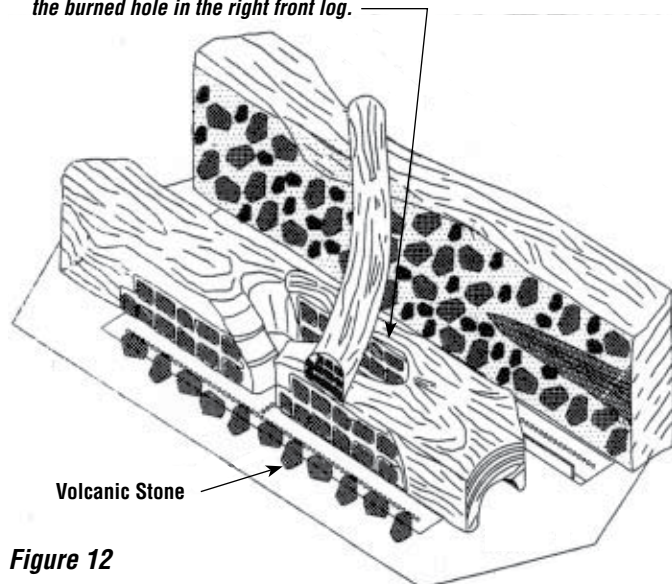
## Log Installation Continued (GC3)

- Position the top twig, with the charred end forward, on the pin in the top of the rear log and the pin in the top of the right front log (see **Figure 11**).
- Place the volcanic stone one high in front of the front burner tube (see **Figure 12**). Take care not to cover all the burners ports. Any extra volcanic stone may be placed at the ends of the front logs, off the burner. Place small pinches of rockwool (embers) on top of the volcanic stone.



**Figure 11**

**Note:** The pilot flame can be viewed through the burned hole in the right front log.



**Figure 12**

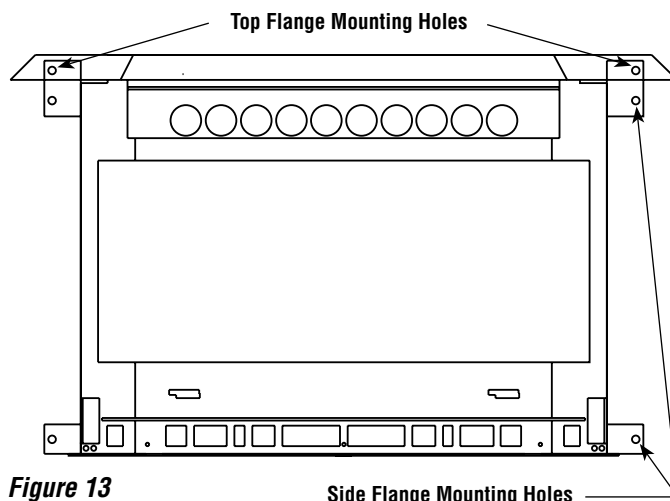
NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

## Surround Installation

**Install per the following instructions (refer to *Figure 13*).**

The FireStar™ insert flanges are made of heavy 12 gage steel for durability and, if desirable, for the ease of making an inside fit in the fireplace. See "Packaging List" for sizes available. The side flanges extend 2" below the bottom of the insert and align with the 2" lower filler panel. In those few instances when the elevation of the hearth necessitates, 2" can be cut from the bottom of the side flanges and the insert placed directly on the hearth- not using the leveling bolts or filler panel.

- Remove the speed nuts from the parts bag and install (with the flat surface forward) on the six holes in the flange brackets (three on each side of the insert). A flat bladed screwdriver may help in installing the nuts.
- Install all flanges and trim with the insert positioned in the fireplace but a few inches in front of its final location.
- Open side doors and install the side flanges by lining up the holes in the tabs on the side flanges in front of the holes on the flange brackets. **(Note that the larger tab on side flange goes at the bottom and the front leveling bolts need to be raised to at least two inches to accommodate the length of the side flanges).** Next insert two slotted 1/4" truss screws for each side flange and secure loosely.
- Fasten top flange with the remaining two truss screws. Tighten all six truss screws after shifting flanges to eliminate space between side and top flanges.
- Install two spring clips approximately five inches from each end of each of the three gold trim pieces. The spring clips should be installed in the channel of the trim with the curved end to the front toward the rounded surface of the trim.
- Place the longest trim piece with the rounded surface out along the edge of the top flange with the spring clips slightly behind the flange. Pull the trim forward, compressing the spring clips and slide the trim down onto the flange.
- Insert the elbowed retainer in the mitred end of the side trim pieces and fasten with flat screwdriver. Insert the other end of the retainer in the end of the already installed top flange and slide side trim onto the edge of the side flange compressing spring clips in the process. Repeat the same steps for the other side trim. Fasten the elbowed retainer securely in the top flange making a nice mitred corner.



**Figure 13**

## Lower Front 2" Filler Panel

The FireStar™ insert comes with a 2" panel to fill the space between the insert bottom and the hearth extension. If the hearth elevations necessitate, the insert may be installed directly on the hearth without the leveling bolts or filler panel. To install the panel, insert the four tabs on the top of the panel into the corresponding slots in the insert bottom. Open the insert side doors, remove the two socket head screws from the hardware bag and install them (using a 5/32" hex wrench) through the insert bottom into the filler panel. A tall adjustable filler panel is also available.

## Gas Line Installation

After leveling, position the insert in the fireplace, holding it about six inches out from its final location.

**CAUTION: Specific Hearth Requirements apply (see Clearances and Specifications).**

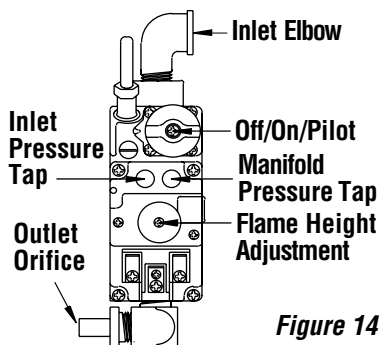
The Firestar gas insert must be connected to the gas line in accordance with local codes and / or the National Fuel Gas Code, Z223.1-latest edition, also known as NFPA 54 (In Canada, the current CAN/CSA B149.1 installation code). Included in the manual package is an 8" gas nipple. Locate the threaded gas inlet on the lower left of the insert. Thread the 8" gas nipple into the inlet with a teflon sealer or equivalent. Attach the gas supply line to this hard pipe. The hard pipe can receive a 3/8" inch female iron pipe coupling, or a shut off valve. After connecting the gas line, all joints in the line and connections at the valve should be checked for leaks before final positioning of the unit. Conduct a gas leakage test of the appliance piping and control system downstream of the shutoff valve in the supply line to the appliance.

## Gas Pressure Requirements

**A MAJOR CAUSE OF OPERATING PROBLEMS WITH GAS APPLIANCES I !**

The most important item to check during the initial installation and the first thing to check when operating problems occur is gas pressure! This appliance will not function properly unless the required gas pressure is supplied. See Table 1 for gas pressure requirements.

Two pressure taps are provided on the insert's valve to check gas pressures. The taps are located below the on/off/pilot knob (see **Figure 14**). The left tap is the inlet (supply) pressure side. To check inlet pressure (with the insert burning), insert a small phillips screwdriver into the tap and turn a half turn counter-clockwise. Cover the tap with the line from a manometer and check the pressure. Close tap gently but securely after completing the check. The manifold (outlet) tap is to the right of the inlet tap.



**Figure 14**

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

To check manifold pressure (with the insert burning at the high burn setting) insert a small phillips screwdriver into the tap and turn a half turn counter-clockwise. Cover the tap with the line from the manometer and check the pressure. Again close the tap gently but securely after completing the check. Check the taps for gas leaks with a gas leak test solution (retighten if necessary).

If the pressure is not sufficient, make sure the gas supply line is large enough, the supply regulator is properly adjusted and the total gas load for the residence does not exceed the amount supplied.

Propane tanks are at pressures that will cause damage to valve components. Verify that the tanks have step down regulators to reduce the pressure to safe levels.

These appliances must be isolated from the gas supply piping system (by closing their 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).

These appliances and their individual shut-off valves must be disconnected from the gas supply piping system during any pressure testing of that system at pressures **greater than** 1/2 psig (3.5 kPa).

Fuel Type	Inlet Pressure			Manifold Pressure	
	Desired	Minimum	Maximum	On Hi Fire	On Lo Fire
Natural Gas	7" WC	5" WC	10.5" WC	3.5" WC	1.7" WC
LP Gas	11" WC	10.5" WC	13" WC	10.0" WC	5.4" WC

**Table 1**

## Gas Supply Line Sizing

The proper gas line diameter must be selected to run from the supply regulator to the insert. Refer to the Table 2 for proper gas pipe diameters.

**Note:** Some areas allow copper tubing - check with local approval agencies and codes.

**COPPER TUBING NOT ALLOWED IN MASSACHUSETTS IN NATURAL GAS INSTALLATIONS, NEVER USE GALVANIZED OR PLASTIC PIPES.**

Pipe Length (Feet from Supply Regulator)	Schedule 40 Pipe Inside Diameter (Black Pipe)		Tubing, Type L Outside Diam- eter (Copper) (Do Not Use Copper in Massachusetts with Natural Gas)	
	Natural Gas	L.P.	Natural Gas	L.P.
0-10	1/2" (1.3 cm)	3/8" (1.0 cm)	1/2" (1.3 cm)	3/8" (1.0 cm)
10-40	1/2" (1.3 cm)	1/2" (1.3 cm)	5/8" (1.6 cm)	1/2" (1.3 cm)
40-100	1/2" (1.3 cm)	1/2" (1.3 cm)	3/4" (2.0 cm)	1/2" (1.3 cm)
100-150	3/4" (2.0 cm)	1/2" (1.3 cm)	7/8" (2.3 cm)	3/4" (2.0 cm)
150-200	3/4" (2.0 cm)	1/2" (1.3 cm)	7/8" (2.3 cm)	3/4" (2.0 cm)

**Table 2**



## Propane (LP) and Natural Gas Supplies

Your Firestar™ gas insert is equipped from the factory for use with natural gas only as specified on the Safety / Listing label attached to the appliance. This appliance can only be operated using propane gas (LP) if a certified fuel conversion kit provided by Lennox Hearth Products is installed by a qualified service technician.

Also check the orifice size on the label attached to your control panel. It must be the correct size for the fuel and altitude.

**Do not run propane tank dry. Running the tank dry may cause a hazardous condition due to pressure drop in empty tank.**

**Solid fuel is NOT to be used with this unit.**

## Air Shutter Adjustment

The main burner has an adjustable air shutter located at the end of the burner as it inserts over the orifice. It is located behind the right side door and beneath the control valve. The shutter adjustment has been set at the factory to ensure proper, safe combustion and flame pattern. Only a qualified gas technician should adjust the air shutter as an incorrect adjustment could cause a hazardous condition. Closing the air shutter will cause the flames to take on a yellow color. Closing it too far will cause improper burning and the flames will turn orange and sooty. Opening the air shutter will cause the flames to burn cleaner; becoming transparent and bluish.

**CAUTION:** The air shutter should never be closed to such an extent to create sooting on the viewing glass, logs or heat exchanger. If soot begins to form after burning, the air shutter should be opened gradually until the sooting condition stops. Open the shutter a small amount at a time until the sooting ceases. See “Flame Color and Behavior” and “Maintenance”, proper pilot flame.

1. Remove glass door (see Glass Door Removal on **Page 20**). Carefully remove the log set and set aside.
2. Using a 5/32" allen wrench, remove the allen-head screw on the left side of the air control panel as shown in **Figure 15a**, then lift out air control panel as shown in **Figure 15b**.
3. Using a 5/32" allen wrench, remove the screw which secures burner tube assembly as shown in **Figure 15c**. Then lift out burner tube assembly as shown in **Figure 15d**.
4. Using a phillips screwdriver, loosen the air shutter setscrew just enough so air shutter can be rotated by hand (read note below). See **Figures 15e and 15f**.
5. Reinstall components by reversing steps 1 - 4.
6. Locate the air shutter, behind the right side access door (below valve), then adjust the air shutter gap until the proper flame characteristics are achieved.

**Note:** The setscrew for the air shutter is secured tightly from the factory so that it does not rotate from the factory setting during shipping. Once you loosen the setscrew just enough so that it can be rotated by hand, then reinstall the burner tube, you will be able to access and adjust the air shutter from behind the right side panel (below valve).

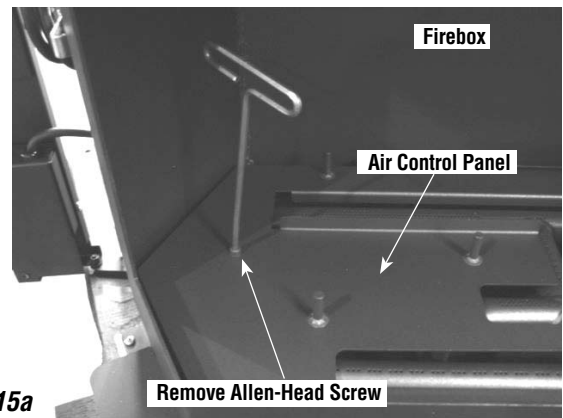


Figure 15a

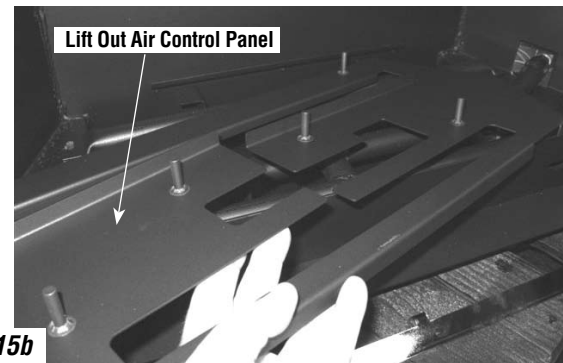


Figure 15b

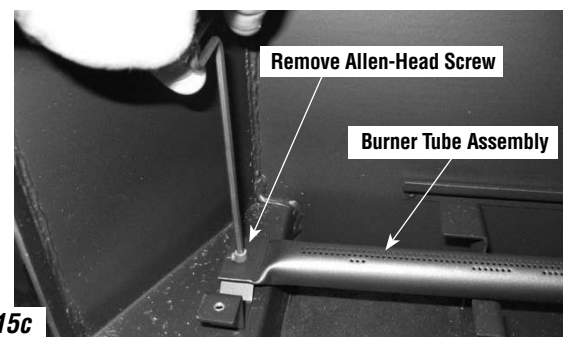


Figure 15c



Figure 15d

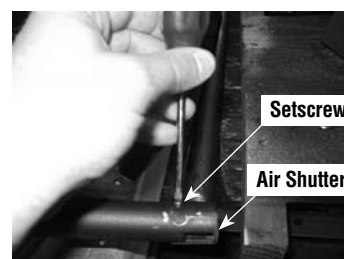


Figure 15e



Figure 15f

## INSTALLER INSTRUCTIONS - ATTACHING SAFETY IN OPERATION WARNINGS

It is the installers responsibility to ensure these warnings are properly affixed during installation. These warning labels are a critical step in informing consumers of safe operation of this appliance.

### ATTACHING SAFETY IN OPERATION WARNINGS

It is required that the safety instruction labels furnished with the fireplace be affixed to the operation and control point of the fireplace. A safety instruction label must be affixed to the wall switch plate where the fireplace is turned on and off (See **Figure A**) or wall thermostat (See **Figure B**) and if used on the remote control handheld transmitter (See **Figure C**). To properly complete the installation of this fireplace, locate the multi-lingual adhesive labels provided with the Care and Operation Instructions and proceed as follows:

1. Locate the wall switch or wall thermostat that controls the fireplace (verify the switch operates the fireplace by turning it on and off). Clean the wall switch plate or wall thermostat thoroughly to remove any dust and oils. Affix the label to the surface of the plate of the wall switch that controls the fireplace (**Figure A**) or the wall thermostat (**Figure B**). Choose the language primarily spoken in the home. If unknown, affix the English language label.
2. If a remote control is used to control the fireplace, locate the transmitter and clean it thoroughly to remove any dust and oils. Affix the label to the surface of handheld transmitter (**Figure C**). Choose the language primarily spoken in the home. If unknown, affix the English language label.
3. If you are unable to locate the labels, please call Lennox Hearth Products or your nearest Lennox Hearth Products dealer to receive additional safety instruction labels free of charge.

Cat. No. H8024 Replacement Label Kit

**LENNOX HEARTH PRODUCTS**  
1-800-9-LENNOX

*Note: English is red text on clear label. French and Spanish are white text on black label.*

### APPOSITION DES MISES EN GARDE RELATIVES À LA SÉCURITÉ D'UTILISATION

Il est impératif que les étiquettes de sécurité fournies avec le foyer soient collées à côté des dispositifs de contrôle du foyer. Une étiquette de sécurité doit être collée sur la plaque de l'interrupteur contrôlant l'allumage du foyer (voir **Figure A**) ou sur le thermostat mural (voir **Figure B**) et, le cas échéant, sur le boîtier de la télécommande (**Figure C**). Pour achever l'installation correcte de ce foyer, procédez comme suit avec les étiquettes adhésives en langues étrangères fournies avec les instructions d'utilisation et d'entretien :

1. Repérez l'interrupteur ou le thermostat mural qui contrôle le foyer (vérifiez que l'interrupteur contrôle le fonctionnement du foyer en le faisant basculer de Marche à Arrêt, et vice-versa). Nettoyez soigneusement la plaque murale de l'interrupteur ou le thermostat mural pour éliminer la poussière et les traces de graisse ou d'huile. Collez l'étiquette sur la surface de la plaque de l'interrupteur mural qui contrôle le foyer (**Figure A**) ou du thermostat mural (**Figure B**). Choisissez la langue qui est principalement parlée dans la résidence du propriétaire. En cas de doute, collez l'étiquette en anglais.
2. Si une télécommande est utilisée pour contrôler le foyer, nettoyez la soigneusement pour éliminer la poussière et les traces de graisse ou d'huile. Collez l'étiquette sur le boîtier de la télécommande (**Figure C**). Choisissez la langue qui est principalement parlée dans la résidence du propriétaire. En cas de doute, collez l'étiquette en anglais.
3. Si vous ne trouvez pas les étiquettes, veuillez appeler Lennox Hearth Products ou votre distributeur Lennox Hearth Products local pour recevoir gratuitement des étiquettes supplémentaires.

Étiquettes de remplacement, n° cat. H8024

**LENNOX HEARTH PRODUCTS**  
1-800-9-LENNOX

*Remarque : Le texte anglais est rouge sur un support transparent. Le texte français et espagnol est blanc sur un support noir.*

### COLOCACIÓN DE ADVERTENCIAS DE SEGURIDAD EN OPERACIÓN

Se requiere que las etiquetas de instrucciones de seguridad incluidas con la chimenea se coloquen en el punto de operación y control de la misma. Se debe colocar una etiqueta de instrucciones de seguridad en la placa del interruptor de pared desde el cual se enciende y se apaga la chimenea (ver la **Figura A**) o en el termostato de pared (ver la **Figura B**) y en el transmisor de control remoto (**Figura C**) si se usa. Para completar correctamente la instalación de esta chimenea, encuentre las etiquetas adhesivas multilingües incluidas con las instrucciones de cuidado y operación y haga lo siguiente:

1. Identifique el interruptor o el termostato de pared que controla la chimenea (verifique que el interruptor opera la chimenea encendiéndola y apagándola). Limpie bien la placa del interruptor o el termostato de pared para quitar el polvo y aceite. Pegue la etiqueta en la superficie de la placa del interruptor que controla la chimenea (**Figura A**) o en el termostato de pared (**Figura B**). Seleccione el idioma que más se habla en la casa. Si no sabe cuál es, use la etiqueta en inglés.
2. Si se usa un control remoto para controlar la chimenea, encuentre el transmisor y límpielo bien para quitar el polvo y aceite. Pegue la etiqueta en la superficie del transmisor (**Figura C**). Seleccione el idioma que más se habla en la casa. Si no sabe cuál es, use la etiqueta en inglés.
3. Si no puede encontrar las etiquetas, sírvase llamar a Lennox Hearth Products o al distribuidor de Lennox Hearth Products más cercano para recibir etiquetas de instrucciones de seguridad adicionales gratuitas.

Juego de etiquetas de repuesto - N° de cat. H8024

**LENNOX HEARTH PRODUCTS**  
1-800-9-LENNOX

*Nota: La etiqueta en inglés es transparente con texto rojo. Las etiquetas en francés y español son negras con texto blanco.*

## DIAGRAMMES DES ÉTIQUETTES DE SÉCURITÉ / DIAGRAMAS DE ETIQUETAS DE SEGURIDAD / SAFETY LABEL DIAGRAMS

### ⚠ AVERTISSEMENT

Un foyer chaud peut causer de graves brûlures  
Ne laissez jamais un enfant toucher à la vitre ou à toutes autres parties du foyer

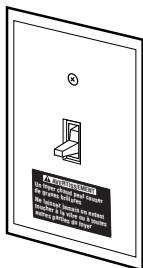


Figure A

### ⚠ ADVERTENCIA

La chimenea caliente causará quemaduras graves  
Nunca permita que los niños toquen el vidrio ni otras partes de la chimenea



Figure B

### ⚠ WARNING

Hot Fireplace Will Cause Severe Burns  
Never Allow Children to Touch Glass or other Fireplace Parts



Figure C

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

## Operating Instructions

### Pre-Lighting Checklist

Be sure to check these items before the initial lighting of the insert:

- All packaging materials are removed from the firebox; brick panels and logs are installed.
- The insert gas label must correspond to the gas supply available, that is "natural gas" for natural gas; "LP gas" for LP gas.
- Be sure the gas pressure has been carefully checked (see Gas Pressure Requirements).
- Fingerprints or other marks are cleaned (while the insert is cool) from any gold or nickel surfaces with denatured alcohol and a soft cloth. Marks left on these surfaces may become etched into the finish if not removed prior to burning the unit.
- Check all gas fittings for leaks.
- Remove all combustible materials from the area in front of the insert and ensure the vented areas of the insert face are unobstructed.
- Check to ensure all clearances to combustibles are met—see **Page 8**.
- Make sure the glass door is in place and properly sealed before burning the appliance
- Ventilate the house to clear initial paint curing odors, see **Page 17**.

### Lighting Instructions

The following is a copy of the operating and lighting instructions found with each insert:

#### FOR YOUR SAFETY READ BEFORE OPERATING

**WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, INJURY, OR LOSS OF LIFE.**

**CAUTION: HOT WHILE IN OPERATION. DO NOT TOUCH. KEEP CHILDREN, FURNITURE, GASOLINE AND OTHER LIQUIDS WITH FLAMMABLE VAPORS AWAY. NEVER OPERATE UNIT WITH GLASS OFF OR ATTEMPT TO REMOVE THE GLASS WHILE HOT.**

A. This appliance is equipped with a piezo ignition device to light the pilot. When lighting the pilot, follow these instructions exactly.

B. **BEFORE LIGHTING**, smell 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 the appliance.

**DO NOT** touch any electric switch,

**DO NOT** use any phone in the 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 push in or turn the gas control knob. Never use any tool. 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 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.

## OPERATING INSTRUCTIONS


(Refer to controls shown in *Figures 16a and 16b*)

**CAUTION: YOUR Lennox Hearth Products gas INSERT MUST ALWAYS BE OPERATED WITH GLASS IN PLACE.**

**STOP!! Read the safety information above before proceeding.**

1. Open the lower door. Make sure gas supply shut-off cocks are open and ON/OFF rocker switch is "OFF." If equipped with a thermostat, set it to the lowest setting.


2. Turn off all electrical power to the appliance.

3. Push in gas cock dial slightly and turn clockwise  to "OFF."


**Note:** Dial cannot be turned from "PILOT" to "OFF" unless dial is pushed in slightly. Do not force.

4. Wait five minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" above. If you don't smell gas continue.



5. Locate the pilot by looking over the top of the left front log. A blue flame will be seen when the pilot is lit.

6. Turn the gas control knob counter-clockwise  to the "PILOT" position.

7. Push the knob all the way in and hold in that position. Immediately light the pilot by pressing the igniter button several times until pilot is lit. Continue to hold the knob in for about 30 seconds after the pilot is lit. Release knob and it will pop back out. Pilot should remain lit. If it goes out, repeat steps 4-8 holding knob in an additional 15 seconds after pilot is lit. If knob does not pop out 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 to "OFF" and call your service technician or your gas supplier.

8. After pilot is lit, turn gas control knob counter-clockwise  to "ON." Knob can only be turned to "ON" if the knob has popped out.

9. To turn burner on, turn "ON/OFF" rocker switch to "ON" or set the thermostat to the desired temperature above room temperature.

10. Adjust the flame height (and heat output) by turning the flame height knob clockwise  for full flame and counter-clockwise  for reduced flame.

11. Turn on the electric power to the appliance and set the blower to the desired air flow after it turns on when the appliance reaches operating temperature.



## TO TURN OFF GAS TO APPLIANCE

(Refer to controls shown in **Figures 16a and 16b**)

1. Turn off the "ON/OFF" rocker switch and/or thermostat (if installed) to its lowest setting.
2. Turn off electric power to the appliance if service is to be performed.
3. Push in gas control knob slightly and turn clockwise to "OFF." Do not force.

**This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.**

## SHUTDOWN PROCEDURE

To turn off the burner, turn the rocker switch to "OFF" or adjust the thermostat (if installed) to a setting below room temperature. The pilot will remain lit for future burner ignition. For complete shutdown, see "TO TURN OFF GAS TO APPLIANCE" above.

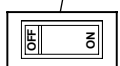
## ! WARNINGS

- **Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. For assistance or additional information, consult a qualified installer, service agency or your gas supplier.**
- **Operation of this appliance when not connected to a properly installed and maintained venting system can result in carbon monoxide (CO) poisoning and possible death.**
- **Carbon monoxide poisoning – early signs of carbon monoxide poisoning resemble the flu with headaches, dizziness, or nausea. If you have these signs, get fresh air at once! Have the heater inspected by a qualified service technician. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease or anemia, those under the influence of alcohol and those at high altitudes.**

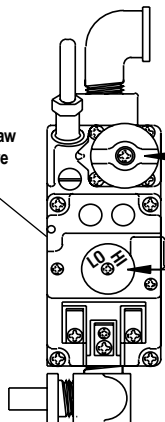
Piezo Igniter



ON/OFF Switch



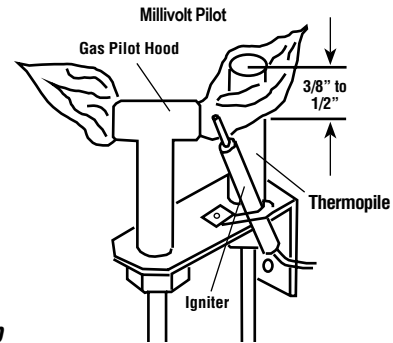
Robertshaw Gas Valve



Gas Control Knob Off/On/Pilot

Flame Height Control Knob (Hi/Lo)

**Figure 16a**



**Figure 16b**

## Flame Color and Behavior

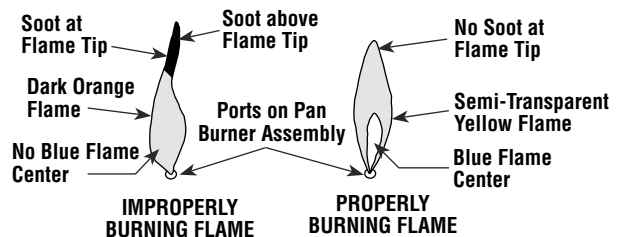
Your Firestar™ gas insert is designed for maximum heating efficiency. Therefore, upon lighting of the main burner the flames will be semi-transparent or "bluish." After 10-20 minutes of operation the logs will heat up and the flames will become a yellow/orange color.

Adjusting the insert to cause the flames to turn orange sooner may result in poor combustion, sooting and a hazardous situation. See **Figure 17** showing proper flame appearance.

When testing for proper operation - If an optional thermostat is installed adjust it to its highest temperature setting. Visually determine that main burner gas is burning properly: i.e., no floating, lifting or flashback. Adjust the primary air shutter(s) as required. Check for proper main burner operation at both high and low flame.

Test for spillage at the draft hood relief opening after 5 minutes of main burner operation. Use a draft gauge, the flame of a match or candle, or smoke from a cigarette, cigar or pipe.

## Burner Flame Appearance



**Figure 17**

## Replacing Burner Orifices

To change orifices, first remove the cassette (see Fuel Conversion and Cassette Installation on **Page 21**). Then unscrew orifice using an 3/4" open end wrench, discard the old orifice and reinstall the new orifice.

**REDUCING THE ORIFICE SIZE FOR HIGHER ALTITUDES MAINTAINS THE PROPER BTU INPUT TO AIR RATIO. TOO LARGE AN ORIFICE WILL RESULT IN HIGHER BTU INPUTS THAN THE DESIGN ALLOWS, MAY RESULT IN AN UNSAFE CONDITION AND MAY VOID YOUR WARRANTY.**

For altitudes above 2,000 ft. (610M) the appliance should be derated by four (4%) percent every 1,000 ft. (305M).

To operate safely, your Firestar gas insert must have the proper burner orifice size determined by the altitude at which it will be operated and other variables such as pressure and valve tolerances. If you have reason to believe your insert's orifice size may be incorrect for your altitude, have it checked and remedied (if necessary) by a qualified service technician.

## Paint Curing

This insert has been painted with a high temperature metallic stove paint. It leaves the factory dry to the touch, but finishes curing as the insert is used. Fire the insert four successive times for ten minutes each time with a five minute cool down between each firing. Ventilate the house during these first firings as the paint gives off carbon dioxide and unpleasant odors. It is recommended that persons sensitive to an imbalance in the indoor air quality avoid the insert during the curing process.

## Quiet Operation

**GAS NOISE:** The sound of gas flowing through the insert may be detectable while the unit is in operation. This is a normal operating sound, however if it is objectionable, it can be reduced by turning down the flame. Turning down the flame will reduce heat output.

**BLOWER NOISE:** As the insert heats up, the blower will come on to move hot air through the heat exchanger and into the room. Adjust the blower speed with the blower control knob to the sound level and air flow desired.

## Blower

Your Firestar™ gas insert comes equipped with a 150 CFM blower with a variable speed control and an automatic temperature activated On / Off snap switch.

### Operation:

1. Plug the blower power cord into a grounded (three prong) outlet. This appliance is equipped with a three prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three - prong receptacle. Do not cut or remove the grounding prong from this plug.
2. After the insert warms up, the blower will come on if the speed control (located at the bottom of the left side door) is left in the on position. The blower will not operate until the insert is warm.
3. Once the blower comes on, turn the knob to the desired speed. No further adjustment is necessary, the blower will come on automatically whenever the insert is warm.
4. If you do not wish to have the blower on, turn the knob until it clicks into the OFF position.

## Optional Wall Thermostat

If an optional wall thermostat is to be installed, install the thermostat per the manufacturers instructions (provided with the thermostat). Failure to follow manufacturers instructions could result in a malfunction. Pay special attention to the thermostat location requirements. If the location requirements are not adhered to the appliance, erratic operation or failure may occur.

Do not mount the thermostat where it may be affected by:

- Radiant heat from this appliance, fireplaces, sun or other heat sources.
- Drafts or dead spots behind doors or in corners.
- Hot or cold air from ducts.

## “On-Off” Switch And Thermostat

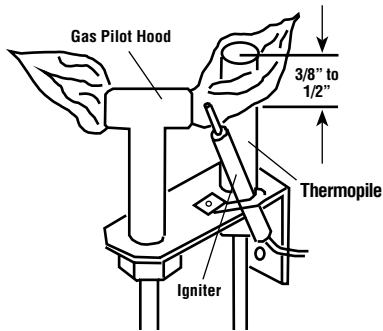
Your gas insert comes equipped with an “ON-OFF” rocker switch used to turn the burner on and off while the pilot is on. The switch is located behind the right side door to the right of the control valve. This switch can be relocated to the hole provided in the top surround panel by pulling the two connectors off of the spades on the back of the switch. Then unscrew the plastic nut on the back side of the switch and pull the switch forward through the hole. Cut the wire tie holding the switch wire and feed the wire behind the side flange up to the switch hole in the top flange. Care must be taken to ensure the wire is kept away from the heat of the firebox. Reinsert the switch in the hole in the flange, tighten the retaining nut and push the wire connectors back on the spades. The spades may need to be carefully bent downward to provide clearance between the switch and the fireplace facing material.

A millivolt wall thermostat or remote thermostat can be used to supplement the rocker switch. The thermostat and rocker switch will turn the burner on and off independently of each other. Be sure to set the rocker switch to the off position when using the thermostat and set the thermostat to the lowest temperature when you wish to use the rocker switch only, otherwise one may override the other.

Follow the instructions included with the thermostat for wiring. Solder all connections, as good wire connections are critical in millivolt system. Check with your insert dealer for the proper length and size of the thermostat wire. Both factors effect the function of the thermostat.

## Pilot Adjustment

All pilots are burned and checked at the factory prior to shipment. **(Note: If upon initial insert installation the pilot flame flickers or will not remain lit, most likely the pilot is fine but there is air in the gas line or the gas pressure is too low).** Pilot adjustment is not normally required, but should it be necessary, it should be done only by a qualified service technician. The pilot adjustment screw is located to the left of the ON/OFF/PILOT control knob. With a flat bladed screwdriver, remove the pilot adjusting cover to access the pilot adjusting screw. Adjust pilot screw to the properly sized flame as shown in **Figure 18**. The flames should completely surround the thermopile and extend across the main burner ports. Be careful not to back the adjusting screw out of its threads. Replace the cover and check for gas leaks.



**Figure 18 - Millivolt Pilot**

Do not splice any millivolt wires. Refer to Table 3 to determine the proper gage of wire for the thermostat or wall switch connections. This table refers to the total length of the wire (out to the switch and back). The thermostat must be a millivolt type. A 24-volt furnace thermostat will not work. Never hook up household current, 120 Volts, to the millivolt system. It is not recommended to hook up any more than two switches to the insert (for example a rocker switch and a wall thermostat). Additional switches may affect the system resistance and increase the chance of the burner not igniting. Follow the instructions included with the thermostat or remote control for wiring.

The thermostat, remote control and rocker switch will turn the burner on and off independently. Be sure to set the rocker switch to the "OFF" position when using the thermostat or remote control and set the thermostat or remote control to the lowest temperature when you wish to use the rocker switch only, otherwise one may override the other. If a remote thermostat is to be used with the insert, do not place the receiver under the firebox.

Thermostat Wire	
Wire Size	Maximum Length
12 Gage	100 Feet
14 Gage	64 Feet
16 Gage	40 Feet
18 Gage	25 Feet
20 Gage	16 Feet

**Table 3**

## Millivolt Control System

This insert operates on a millivolt control system. As such, no addition power supply is needed for the insert to operate. The pilot assembly contains a **Thermopile**, that when heated by the pilot flame, generates electricity (millivolts, mV=1/1000 of a volt) that travels to terminal #1. From this terminal it travels through a black wire to the **Vent Safety Snap Switch**. If this switch overheats through a flue blockage or vent pipe disconnection it will open, stop the flow of mV and shut the insert off. This switch will automatically reset (close), when it is cooled down to normal operating temperature. During normal operation, it is closed allowing the mV to flow back to the valve, which opens so gas can flow through.

To check for proper operation, use a multimeter and perform the system checks shown in **Table 4** (and refer to **Figure 19**).

Millivolt and System Checks				
Check Test	To Test	Connect Meter Leads to Terminals	Thermostat Connects	Meter Reading Should Be
A	Complete System	2 & 3	Closed	100 MV or More
B	Thermopile Output	1 & 2	Open	Greater Than 325 MV
C	System Resistance	1 & 3	Closed	80 Ohms

**Table 4**

## Millivolt Wiring Diagram

**CAUTION:** Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

**ATTENTION:** Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux.

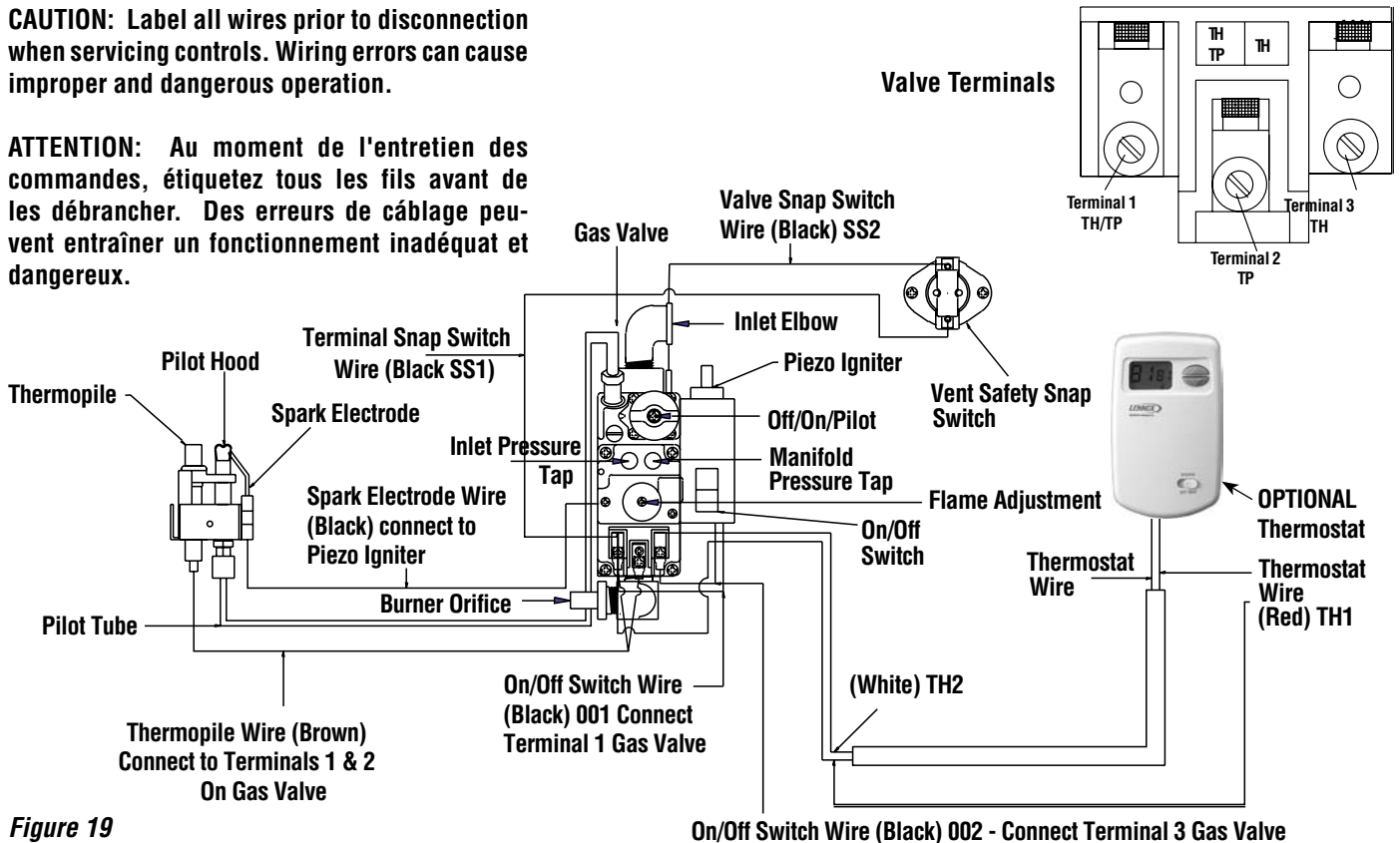


Figure 19

## MAINTENANCE AND SERVICING

### ! WARNING

**Turn off gas and electrical power to the fireplace and allow it to cool before cleaning or servicing the appliance.**

**CAUTION:** Wear gloves and safety glasses for protection while doing required maintenance.

Verify proper operation after servicing.

S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé.

## Maintenance Checklist

**Should Only Be Performed by a Qualified Service Technician.**

1. Annual inspection should be made and the following checks performed:
  - a) With unit cool, remove glass and inspect burner for dirt, soot and lint accumulations and remove if necessary. If excessive soot accumulation is present on burner, have a qualified serviceman adjust burner for proper combustion.
  - b) Clean any deposits from inside glass with gas fireplace glass cleaner. NEVER attempt to remove or clean glass when the unit is hot.
  - c) Check that chimney and its outlet are open and free from soot, blockage, or debris.
  - d) Inspect the pilot system for proper flame. See instructions on **Page 18**.
  - e) Check the Millivolt system as per **Table 4** on **Page 18**.
  - f) The appliance area must be kept clear and free of combustible materials, gasoline and other flammable vapors and liquids.
  - g) Check glass gaskets once a year. Gaskets must be tight. Replace if necessary.
2. The viewing glass should be cleaned periodically (see **Glass Maintenance**).

## Glass Door

### WARNING

- Do not attempt to substitute the materials used on these doors, or replace cracked or broken glass.
- Handle this glass with extreme care! Glass is susceptible to damage – Do not scratch or handle roughly while reinstalling the glass door frame.
- The glass door(s) of this appliance must only be replaced as a complete unit as provided by the manufacturer. Do not attempt to replace broken, cracked or chipped glass separately.
- Do not attempt to touch the front enclosure glass with your hands while the appliance is in use.

### WARNING

Do not operate appliance with the glass front removed, cracked or broken.

### AVERTISSEMENT

Ne pas utiliser l'appareil si le panneau frontal en verre n'est pas en place, est craqué ou brisé.

Only doors certified with the appliance shall be used.

Seules des portes certifiées pour cet appareil doivent être utilisées.

**CAUTION:** DO NOT abuse glass door by striking or slamming shut.

Do not remove glass door while the appliance is hot.

### Glass Door Removal (refer to *Figures 20a and 20b*)

Open both latches on the right and left side of the door (they are centered on the sides of the front door - see *Figure 20a*). With the latches released, rotate the catch part of each latch outward away from the front door. The door will pivot toward you from the top (hinging from the bottom as shown in *Figure 20b*). On the bottom of the door there are tabs that slide into slots on the firebox. Disengage the tabs on the door from the slots on the firebox by lifting up on the door until it stops and slide the door all the way to the left. You can then remove the door straight out from the slots. To reinstall door reverse the steps above.

### Glass Door Cleaning And Maintenance

**Cleaning:** When cool, the glass may be cleaned with a clean, soft cloth and a household glass cleaner. For cleaning white condensation from the interior glass, use a gas fireplace glass cleaner available from your insert dealer. Use of caustic or abrasive cleaners may damage the glass. DO NOT operate the insert with broken glass. DO NOT clean door or glass when hot. DO NOT abuse the glass door by striking or slamming it shut. DO NOT use substitute materials if replacing the glass. DO NOT spray commercial glass cleaner with ammonia on the door and glass gasket as it may dissolve the gasket glue.

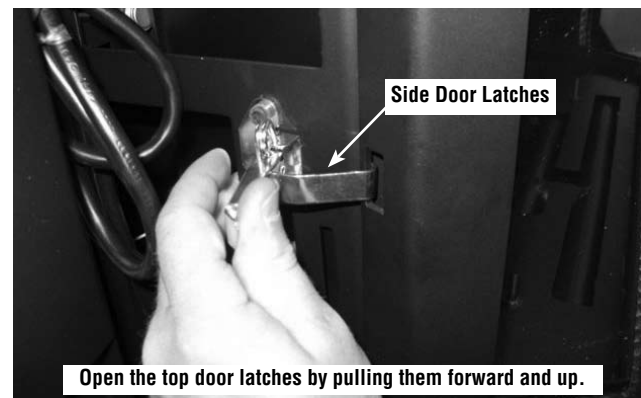
### Glass Door Cleaning And Maintenance

**Cleaning:** Do not remove or clean the glass door when hot. When cool, the glass may be cleaned with a clean, soft cloth and a household glass cleaner. For cleaning white condensation from the interior glass, use a gas fireplace glass cleaner available from your dealer. Use of caustic or abrasive cleaners may damage the glass. DO NOT spray commercial glass cleaner with ammonia on the door and glass gasket as it may dissolve the gasket glue.

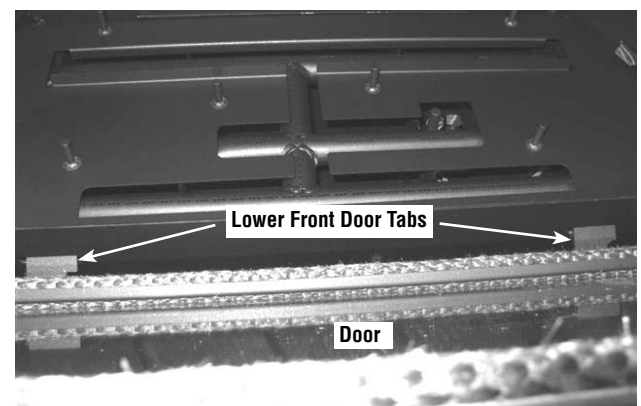
**Repair:** If the glass is broken in the glass door, the entire door (metal frame, gasket and glass) should be replaced as a unit. This replacement unit is available from your Lennox Hearth Products dealer. Do not use substitute parts or materials. The glass is neo-ceramic and alternative types must not be used.

**NOTE: BE CAREFUL NOT TO SPRAY COMMERCIAL GLASS CLEANER WITH AMMONIA ON GASKET AREA OF DOOR. AMMONIA WILL DISSOLVE GASKET GLUE.**

**NOTE: GOLD PLATED SURFACE MUST BE CLEANED WITH GLASS CLEANER AND SOFT RAG BEFORE FIRING THE FIRST TIME OR FINGER PRINTS AND STAINS WILL REMAIN PERMANENTLY. NEVER USE BRASS POLISH TO CLEAN GOLD, THIS WILL REMOVE GOLD PLATING!**



**Figure 20a**



**Figure 20b**



## TROUBLESHOOTING

**NOTE:** When troubleshooting the gas control system, be sure the external gas shut off valve, located at the gas supply inlet is in the “ON” position.

**IMPORTANT:** Call your gas supplier or plumber for additional help with any gas control problem. Valve system troubleshooting should only be accomplished by a qualified service technician.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Thin black coating (soot) forms on the viewing glass, logs, or firebox	<ol style="list-style-type: none"> <li>1) Improper log or ember placement</li> <li>2) Improper air shutter setting</li> <li>3) Not enough combustion air</li> <li>4) Incorrect gas pressure</li> </ol>	<ol style="list-style-type: none"> <li>1) See <b>Log Set Installation on Pages 10 and 11</b>. If there is soot in one specific location, the rockwool below this location needs to be adjusted. This can be done by pulling embers forward slightly. If the flames have soot tails, the shutter will need to be opened.</li> <li>2) If sooting continues open air shutter (see <b>Air Shutter Adjustment on Page 13</b>).</li> <li>3) Check for debris obstructing air flow in valve compartment under insert or in front of lower venting.</li> <li>4) Have gas supplier check for correct gas pressure (7" W.C. natural gas; 11" W.C. propane gas).</li> </ol>
Humming or whistling coming from insert.	<ol style="list-style-type: none"> <li>1) Normal operating noise</li> <li>2) Obstructed orifice opening</li> <li>3) Defective regulator</li> </ol>	<ol style="list-style-type: none"> <li>1) See <b>Quiet Operation on Page 17</b>. The noise may be reduced by slightly turning down the flame. Turning the flame down will reduce the heat output of the insert.</li> <li>2) If noise is excessive or is “whistling” have your gas supplier check the regulator and orifices and replace if necessary.</li> <li>3) If noise is excessive or is “whistling” have your gas supplier check the regulator and orifices and replace if necessary.</li> </ol>
A change in flame appearance or burner operation.	<ol style="list-style-type: none"> <li>1) A change in gas pressure</li> <li>2) Improper ember placement</li> </ol>	<ol style="list-style-type: none"> <li>1) Have your gas supplier check for correct gas pressure (7" W.C. / po. C.E. [1.74 kPa] natural gas; 11" W.C. / po. C.E. [2.74 kPa] LP gas). <b>NOTE: NEVER BLOCK OR OBSTRUCT AIR INTAKE OR OUTLET VENTS.</b></li> <li>2) See <b>Log Set Installation Instructions</b>.</li> </ol>
Spark igniter will not light pilot after repeated tries.	<ol style="list-style-type: none"> <li>1) No gas supplied to unit or air in line</li> <li>2) Defective igniter (no spark at electrode)</li> <li>3) Defective or mis-aligned electrode at pilot (spark at electrode)</li> </ol>	<ol style="list-style-type: none"> <li>1) Check gas supply. To purge, hold in gas cock on valve for 1-2 minutes and try again.</li> <li>2) Check for spark at electrode and pilot, if no spark and electrode wire is properly connected, replace igniter and igniter wire.</li> <li>3) Using a match, light pilot. If pilot lights, turn off pilot and trigger the igniter again. If pilot lights, an intermittent gas/air supply may be the problem, if longer purge will not light - check gap between electrode and pilot - should be 1/8 inch (3 mm) to have a strong spark. If OK, replace pilot.</li> </ol>
Pilot will not stay lit after carefully following lighting instructions.	<ol style="list-style-type: none"> <li>1) Vent Safety Snap Switch shut down.</li> <li>2) Improper Flame impingement</li> <li>3) Low gas inlet pressure</li> <li>4) Defective thermopile</li> <li>5) Bad connection</li> <li>6) Defective automatic valve operator</li> </ol>	<ol style="list-style-type: none"> <li>1) Snap switch activated, have venting system inspected for blockage, down draft or bad snap switch.</li> <li>2) Check pilot flame adjustment (see "Maintenance" section).</li> <li>3) Check inlet pressure and adjust pilot if necessary.</li> <li>4) Be sure wire connections from thermopile are tight at gas valve terminals and at vent safety snap switch.</li> <li>5a) Either rocker switch or thermostat wires may be grounded. Remove wires from valve terminals. If pilot stays lit, trace switch wiring for a ground. May be grounded to insert or gas supply.</li> <li>5b) Check open circuit millivolt output of thermopile. Reading should be greater than 325mV. Also check thermopile wire for kinks that can cause loss of mV. Replace faulty thermopile if wire is okay and reading is less than 325mV.</li> <li>6) Turn valve knob to “ON” and thermostat (if installed) to 90°. Millivolt meter should read greater than 100 mV. If reading is OK and burner does not turn on, replace gas valve (qualified service technician only).</li> </ol>
Pilot burning, but no flame on main burner with valve knob “ON”, rocker switch and thermostat “ON”.	<ol style="list-style-type: none"> <li>1) Pilot has gone out</li> <li>2) Rocker switch, thermostat, or wires defective</li> <li>3) Thermopile may not be generating sufficient millivolts</li> <li>4) Plugged burner orifice.</li> </ol>	<ol style="list-style-type: none"> <li>1) See <b>Lighting Instructions</b>.</li> <li>2) Disconnect rocker switch and thermostat wires at terminals 1 and 3 on valve. Jumper across from 1 to 3 with pilot lit. If burner comes on either rocker switch, thermostat, or wiring is not functioning. If not, jumper wires across switch wires at gas valve. If burner comes on, wires are faulty or connections are bad.</li> <li>3) Check thermopile with millivolt meter (see <b>Maintenance and Servicing</b>), recheck symptom #2.</li> <li>4) Check burner for stoppage and remove.</li> </ol>



## REPLACEMENT PARTS - Firestar™ (GC3)

<b>Cat. No.</b>	<b>Description</b>
H5952	#33 NG Main Burner Orifice
H5950	#49 LP Main Burner Orifice
H5843	2" Bottom Trim Piece
H5860	4 Piece Log Set
H5844	Air Control Burner Pan
H5842	Baffle Plate
H5519	Baffle Plate Holder Brackets
75145	Black Door w/Glass
H5660	Blower Power Cord (ref. form # 506033-04)
H5877	Blower Speed Control
H5996	Blower Speed Control And Housing (Includes 2 Rivets)
H5997	Blower w/Mounting Bracket
H5866	Brick Panel Set
H5934	Burner Tube
H5740	Cassette Assembly NG (For LP Installations, Also Order LP Conversion Kit)
H5863	Volcanic Stone
H5985	Decorative Gold Bar On Lower Stove Body
H5986	Decorative Nickel Bar On Lower Stove Body
H5905	Door Rope (Per Foot) Order 8 Ft. for each door
75146	Gold Door w/Glass
H5875	Heat Sensed Blower Snap Switch
H3106	Left-hand Side Door (Mounting Brackets and Blower Speed Control Installed)
H5881	LP Pilot Assembly (Includes Thermopile, Electrode And Wire)
H5930	LP Pilot Orifice
H5940	LP Regulator
H5744	Main Burner On/Off Rocker Switch
H5995	Main Burner On/Off Switch Wires
H5981	Main Door Decorative Gold Bars Each (2 Per Stove)
H5982	Main Door Decorative Nickel Bars Each (2 Per Stove)
H6000	Middle Bay Glass W/glass Tape Installed

H5880	NG Pilot Assembly (Includes Thermopile, Electrode And Wire)
H5949	NG Pilot Orifice
H5939	NG Regulator
75147	Nickel Door W/glass
H5745	Piezo Igniter
H5999	Rheostat Wire
H5954	Robertshaw Main Gas Control Valve LP
H5937	Robertshaw Main Gas Control Valve NG
H5864	Rock Wool (embers)
H3107	Side Bay Glass W/glass Tape Installed Each (2 Per Stove)
H5998	Snap Switch Wire
H5882	Thermopile
75254	Top Trivet
H5993	Vent Safety Snap Switch W/bracket
H5994	Vent Safety Snap Switch Wires
H6837	Leveling Bolts
H6838	Door Latch

**Contact an Authorized Lennox Hearth Products dealer to obtain any of these parts. Never use substitute materials. Use of non-approved parts can result in poor performance and safety hazards.**

### **WARNING**

**Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.**

### **AVERTISSEMENT**

**Risque de dommages ou de blessures si les pièces ne sont pas installées conformément à ces schémas et ou si des pièces autres que celles spécifiquement approuvées avec cet appareil sont utilisées.**

## ACCESSORIES - Firestar™ (GC3)

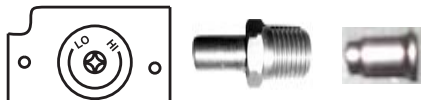
### Surround Panel kits (Required) (ref. form #775262M)

Cat. No.	Model	Description
75072	FSTR-FP2941-B	Black Trim 29" X 41"
75073	FSTR-FP2948-B	Black Trim 29" X 48"
75074	FSTR-FP3341-B	Black Trim 33" X 41"
75075	FSTR-FP3348-B	Black Trim 33" X 48"

### Surround Trim Kits (ref. form #775262M)

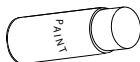
H5143	GFT2941-B	Trim / Black 29" x 41"
H5145	GFT2948-B	Trim / Black 29" x 48"
H5144	GFT3341-B	Trim / Black 33" x 41"
H5146	GFT3348-B	Trim / Black 33" x 48"
75036	GFT2941-G	Trim / Gold 29" x 41"
75038	GFT2948-G	Trim / Gold 29" x 48"
75040	GFT3341-G	Trim / Gold 33" x 41"
75042	GFT3348-G	Trim / Gold 33" x 48"
75037	GFT2941-N	Trim / Nickel 29" x 41"
75039	GFT2948-N	Trim / Nickel 29" x 48"
75041	GFT3341-N	Trim / Nickel 33" x 41"
75043	GFT3348-N	Trim / Nickel 33" x 48"

### Gas Conversion Kits



Cat. No.	Model	Description
75174	FSTR-CK-LP to NG	Conversion Kit LP to NG (ref. form #775242M)
75173	FSTR-CK-NG to LP	Conversion Kit NG to LP (ref. form #775251M)

### Touch-Up Paint Kit



70K99	TSPK-B	Touch-Up Paint, Metallic Black (12 oz aerosol)
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### Controls



Wall  
Thermostat



Remote  
Control

70005	RT-AC	Remote Thermostat AC (ref. form #775280M)
H0251	RCL-STAT	Remote Control, RCL-STAT, Deluxe Thermostat DC (ref. form #775280M)
H4635	DWTK	Wall Thermostat, Digital
75273	GASINS-RSCP-B	Round Black On/Off Switch Cover Plate

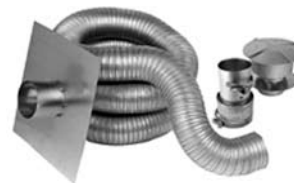
### Trivets

75254	FSTR-DVS2 TRV-B	Trivet / Black
75248	FSTR-DVS2 TRV-G	Trivet / Gold
75249	FSTR-DVS2 TRV-N	Trivet / Nickel

### Finish Panels / Front Supports

75250	FSTR-ZC FRNT SPPT	ZC Front Support *Also Requires a Trim Kit (listed below) (ref. form #775295M)
75251	GFHKET-B	ZC Front Support Ext. Trim Black (ref. form #775208M)
75062	GFHKET-G	ZC Front Support Ext. Trim Gold (ref. form #775208M)
75063	GFHKET-N	ZC Front Support Ext. Trim Nickel (ref. form #775208M)

### Vent Kits



Cat. #	Model	Description
H0906	VKBVI25	BVI, 4" Dia. x 25' Length
H0907	VKBVI35	BVI, 4" Dia. x 35' Length

**NOTE:** The form numbers referenced are the part numbers of the instruction sheets included in kits.

## SAFETY / LISTING LABEL

Tested and Listed By  
  
 OMNI-Test Laboratories, Inc.  
 Report No. 050-S-07b-5

MODEL FIRESTAR™  
 INSERT/IGC3 SERIAL NO.

**LENNOX**  
 HEARTH PRODUCTS

Manufactured by:  
 LENNOX HEARTH PRODUCTS  
 PO BOX 987  
 AUBURN, WA 98071 USA

FACTORY EQUIPPED FOR  
 NATURAL GAS. IF CONTROL PANEL  
 CONTRADICTS THIS LABEL, UNIT  
 FUEL TYPE HAS BEEN CONVERTED.

Tested & Listed By  
  
 OMNI-Test Laboratories, Inc.  
 Numéro de Rapport: 050-S-07b-5

MODÈLE FIRESTAR™  
 INSERT/IGC3 SÉRIAL NO.

**LENNOX**  
 HEARTH PRODUCTS

FABRIQUÉ PAR:  
 LENNOX HEARTH PRODUCTS  
 PO BOX 987  
 AUBURN, WA, USA 98071

Le numéro de série est indiqué dans la section anglophone de cette étiquette

CET APPAREIL EST MUNI D'ÉQUIPEMENT POUR L'USAGE DU GAZ NATUREL. SI L'ÉTIQUETTE DU PANNEAU DES COMMANDES CONTREDIT CETTE ÉTIQUETTE, C'EST QUE LE TYPE DE CARBURANT DE CET APPAREIL A ÉTÉ CONVERTI.

LISTED VENTED GAS FIREPLACE HEATER - FIREPLACE INSERT - NOT FOR USE WITH SOLID FUEL

TESTED TO ANSI Z21.88-2005/CSA 2.33-2005 "VENTED GAS FIREPLACE HEATERS", CSA P.4.1-02, AND CGA 2.17-M91.

THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, IF ANY. IF NOT, FOLLOW THE CURRENT ANSI Z223.1/NFPA 54-LATEST EDITION (USA) OR CAN/CSA B149.1-LATEST EDITION (CANADA). THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION. FOR INSTALLATION IN SOLID FUEL BURNING FIREPLACES ONLY - MASONRY OR FACTORY BUILT. THIS VENTED GAS FIREPLACE HEATER IS NOT FOR USE WITH AIR FILTERS.

THIS APPLIANCE NEEDS FRESH AIR FOR SAFE OPERATION AND MUST BE INSTALLED SO THERE ARE PROVISIONS FOR ADEQUATE COMBUSTION AND VENTILATION AIR.

THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE RATING PLATE. SEE OWNER'S MANUAL FOR DETAILS. THIS APPLIANCE IS NOT CONVERTIBLE FOR USE WITH OTHER GASES UNLESS A CERTIFIED KIT IS USED.

DANGER: RISK OF ELECTRICAL SHOCK. DISCONNECT POWER BEFORE SERVICING UNIT.

IF ELECTRICALLY CONNECTED, CONNECTIONS AND GROUNDING MUST BE IN ACCORDANCE WITH LOCAL CODES, IF ANY. IF NOT, FOLLOW THE CURRENT NATIONAL ELECTRICAL CODE ANSI/NFPA 70-LATEST EDITION (USE) OR CSA C22-1-LATEST EDITION (CANADA).

RATINGS	NG	LP	Minimum Inlet Pressure (IN. WC)	NG	LP
Maximum Input BTU/hr 0-2000 Ft. (0-610 M)*	39,000	39,000	5	5	10.5
Minimum Input BTU/hr 0-2000 Ft. (0-610 M)*	27,500	22,600	Manifold Pressure - HI (IN. WC/C.E.)	3.5	10
Office (DMS)*	#33	#49	Manifold Pressure - LO (IN. WC/C.E.)	1.7	3.5

\*UNIT FACTORY EQUIPPED FOR 0-2000 FT/0-610 M, IN CANADA 0-4500 FT/0-1370 M

ELECTRICAL RATING: 120 VAC, 60 HZ, LESS THAN 2 AMPS

CHIMNEY-USE WITH B-VENT CHIMNEY OR SINGLE WALL GAS VENT FLEX CHIMNEY LINER LISTED TO UL 1777 OR ULC S635. THIS APPLIANCE MUST BE PROPERLY CONNECTED TO A VENTING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

FOR ALTITUDES ABOVE 2,000 FT/610M (IN CANADA 4500 FT/1370M) DE-RATE THE APPLIANCE BY FOUR (4)% FOR EVERY 1,000 FT (405 M).

WARNING: OPERATION OF THIS APPLIANCE WHEN NOT CONNECTED TO A PROPERLY INSTALLED AND MAINTAINED VENTING SYSTEM OR TAMPERING WITH THE BLOCKED VENT SHUTOFF SYSTEM CAN RESULT IN CARBON MONOXIDE (CO) POISONING AND POSSIBLE DEATH.

### MINIMUM FIREPLACE SIZES REQUIRED

29.75" Front Opening  
 19.00" Opening Height  
 19.00" Rear Width  
 15.25" Fireplace Depth

### INSERT HEARTH PROTECTION - Non-Combustible Hearth Extension

G = Minimum Hearth Protection Distance from Fireplace Facing  
 H = Vertical Distance from Insert Bottom\* to Combustible Material

G	23"	20"	17"	0"
H	0"	2"	4"	6"

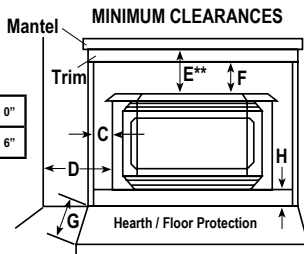
Note: Hearth protection to be min. 3/8" (10mm) thick non-combustible or equivalent, with a k factor of 0.84.

\* Insert bottom is the metal lip below the lower gold trim bar.

### CLEARANCES TO COMBUSTIBLES

A = 14.5" to Top Facing (max thickness 3/4")  
 B = 24" to Mantel\*\* (more than 3/4")  
 C = 6.5" to Side Facing (3/4" or less)  
 D = 11" to Side Wall  
 E = 24" to Mantel\*\*, more than 3/4"  
 F = 14-1/2" to Top Facing, maximum thickness 3/4"

\*\* The minimum distance from the top of the insert to a combustible may be reduced to 16" with a mantel shield. See installation and operation manual for shield dimensions.



**CAUTION:** HOT WHILE IN OPERATION. DO NOT TOUCH. SEVERE BURNS MAY RESULT. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE AND OTHER LIQUIDS HAVING FLAMMABLE VAPORS AWAY. KEEP BURNER AND CONTROL COMPARTMENT CLEAN. SEE INSTALLATION AND OPERATING INSTRUCTIONS ACCOMPANYING APPLIANCE. FOR USE WITH GLASS DOORS CERTIFIED WITH THIS APPLIANCE ONLY. DO NOT OPERATE THE APPLIANCE WITH GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE PANEL(S) SHOULD BE DONE BY A LICENSED OR QUALIFIED PERSON. WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THE OWNER'S INFORMATION MANUAL PROVIDED WITH THIS APPLIANCE. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER.

### DATE OF MANUFACTURE

2010 2011 2012 2013 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



Part No. 36226 Rev. C, 3/2010

DO NOT REMOVE OR COVER THIS LABEL

IGN

FABRIQUÉ PAR:  
 LENNOX HEARTH PRODUCTS  
 PO BOX 987  
 AUBURN, WA, USA 98071

HOMOLOGUÉ FOYER RADIANT PRÉFABRIQUÉ AU GAZ - INSERTION DE FOYER AU GAZ - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE

TESTÉ SELON LA NORME ANSI Z21.88-2005/CSA 2.33-2005 «FOYER RADIANT AU GAZ», CSA P.4.1-02, ET CGA 2.17-M91.

CET APPAREIL DOIT ÊTRE INSTALLÉ CONFORMÉMENT AUX EXIGENCES DES CODES RÉGIONAUX ET DU CODE D'INSTALLATION ANSI NFPA 54-DERNIÈRE ÉDITION (ÉTATS-UNIS), OU CAN/CSA-B149.1-DERNIÈRE ÉDITION (CANADA). CET APPAREIL DOIT ÊTRE INSTALLÉ SELON LES DIRECTIVES D'INSTALLATION DU FABRICANT. POUR INSTALLATION DANS DES FOYERS À COMBUSTIBLE SOLIDE SEULEMENT - DE MAÇONNERIE OU PRÉFABRIQUÉ EN USINE. CE FOYER RADIANT AU GAZ À ÉVACUATION N'EST PAS CONÇU POUR ÊTRE UTILISÉ AVEC DES FILTRES À AIR.

CET APPAREIL DOIT ÊTRE UTILISÉ UNIQUEMENT AVEC LES TYPES DE GAZ INDICQUÉS SUR LA PLAQUE SIGNALÉTIQUE. CET APPAREIL NE PEUT PAS ÊTRE CONVERTI POUR L'USAGE AVEC D'AUTRES TYPES DE GAZ À MOINS D'UTILISER UNE TROUSSE DE CONVERSION HOMOLOGUÉE.

DANGER: RISQUE DE CHOC ÉLECTRIQUE. DÉBRANCHEZ L'APPAREIL AVANT D'EN FAIRE L'ENTRETIEN.

SI L'APPAREIL REQUIERT UN BRANCHEMENT ÉLECTRIQUE, LES RACCORDEMENTS ET LA MISE À LA TERRE DOIVENT ÊTRE CONFORMES AUX EXIGENCES DES CODES RÉGIONAUX ET DU CODE D'INSTALLATION ANSI/NFPA 70 OU CSA C22-1.

SPECIFICATIONS	NG	LP	Pression Minimum D'entrée Du Gaz (IN. WC/C.E.)	NG	LP
Entrée Maximum BTU/hr 0-4500 Pi (0-1370 M)*	39,000	39,000	5	5	10.5
Entrée Minimum BTU/hr 0-4500 Pi (0-1370 M)*	27,500	22,600	Pression À La Sortie - HI (IN. WC/C.E.)	3.5	10
Office (DMS)*	#33	#49	Pression À La Sortie - LO (IN. WC/C.E.)	1.7	3.5

\*EN ALTITUDE. AU-DELÀ DE 2000 PI/610 M, (AU CANADA 0-4500 PI/0-1370M) LA CAPACITÉ ÉNERGÉTIQUE DE L'APPAREIL DIMINUE DE QUATRE (4)% POUR CHAQUE 1000 PI (405 M).

SPECIFICATIONS ÉLECTRIQUE 120 VCA, 60 HZ, MOINS DE 2 AMPÈRES

RÉFÉREZ-VOUS AU MANUEL D'INSTRUCTIONS DU PROPRIÉTAIRE POUR CHANGER LE BLOC D'ASSEMBLAGE DE LA VALVE.

CHEMINÉE - ÉVACUATION: INSTALLER AVEC DE L'ÉVENT À GAZ DE TYPE B-VENT OU UN CONDUIT FLEXIBLE À SIMPLE PAROI HOMOLOGUÉ COMME TUBAGE.

CET APPAREIL DOIT ÊTRE RELIÉ À UN SYSTÈME D'ÉVACUATION TEL QUE SPÉCIFIÉ DANS LE MANUEL D'INSTALLATION DU FABRICANT.

AVERTISSEMENT: UTILISER CET APPAREIL AVEC UN SYSTÈME DE VENTILATION INADÉQUAT (MAUVAISE INSTALLATION OU MAUVAIS ENTRETIEN) OU ALTERER LE SYSTÈME D'ARRÊT AUTOMATIQUE EN CAS D'UN BLOCAGE D'ÉVENT PEUT CAUSER UN EMPOISONNEMENT AU MONOXYDE DE CARBONE QUI POURRAIT ENTRAÎNER LA MORT.

### DIMENSIONS MINIMUMS DE FOYER REQUISES

A = 29.75" Ouverture avant  
 B = 19.00" Hauteur  
 C = 19.00" Largeur arrière  
 D = 15.25" Profondeur du foyer

### PROTECTION DU FOYER

G = Extension d'âtre min. devant le foyer  
 H = Distance verticale de la base de l'appareil aux combustibles

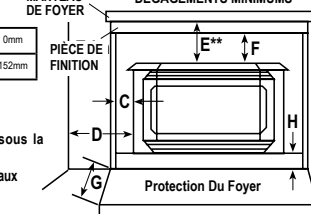
\* La base du poêle encastrable est le repli de métal située sous la plaque de finition dorée.

Note: Extension d'âtre fabriqué avec 3/8" (10mm) minimum de matériaux non-combustible ou équivalent possédant un facteur k de 0.84.

### DIMENSIONS MINIMUMS DE FOYER REQUISES

A = 14.5" (368mm) Ouverture avant  
 B = 24" (610mm) Hauteur  
 C = 6.5" (165mm) Largeur arrière  
 D = 11" (279mm) Profondeur du foyer  
 E = Dessus du foyer à partir de la base 24" (610mm)  
 F = Mur latéral à partir du centre du foyer 14.5" (368mm)

### DÉGAGEMENTS MINIMUMS



\*\* L'espace minimum entre le dessus du poêle encastrable et les matériaux combustibles peut être réduit à 16" en utilisant un protecteur de manteau de cheminée. Consultez le manuel d'installation et d'entretien pour les dimensions recommandées du protecteur.

**DANGER:** CET APPAREIL DÉGAGE DES TEMPÉRATURES ÉLEVÉES ET DEVRAIT ÊTRE INSTALLÉ À L'ÉCART DES ENDROITS TRÈS PASSANTS ET LOIN DES MEUBLES ET RIDEAUX. SURVEILLEZ LES ENFANTS QUI SE TROUVENT DANS LA PIÈCE. GARDEZ LA ZONE AUTOUR DU FOYER EXEMPTÉ DE MATÉRIEAUX COMBUSTIBLES, D'ESSENCE ET AUTRES VAPEURS ET LIQUIDES INFLAMMABLES. MAINTENEZ LE BRÛLEUR ET LE BOÎTIER DES COMMANDES PROPRE EN TOUT TEMPS. VOIR LES MANUELS D'INSTALLATION ET D'ENTRETIEN QUI ACCOMPAGNENT L'APPAREIL. SEUL LE PANNEAU VITRE FOURNI PAR LE MANUFACTURIER PEUT ÊTRE UTILISÉ AVEC CET APPAREIL. EN AUCUN CAS, L'APPAREIL NE PEUT ÊTRE UTILISÉ SANS LA VITRE OU AVEC LA VITRE BRISEE. LE REMPLACEMENT DE LA VITRE DOIT ÊTRE EFFECTUÉ PAR UN TECHNICIEN DE SERVICE QUALIFIÉ.

AVERTISSEMENT: UNE INSTALLATION INADÉQUATE DE MÊME QU'UN AJUSTEMENT, UNE MODIFICATION, UNE RÉPARATION OU UN ENTRETIEN INCORRECTS PEUVENT CAUSER DES BLESSURES OU DOMMAGES À LA PROPRIÉTÉ. RÉFÉREZ-VOUS AU MANUEL D'ENTRETIEN LIVRÉ AVEC CET APPAREIL. POUR DE L'ASSISTANCE, CONSULTEZ UN INSTALLATEUR QUALIFIÉ, UNE ENTREPRISE DE SERVICE OU UN FOURNISSEUR DE GAZ.

LA DATE DE FABRICATION EST INDICUÉE DANS LA SECTION ANGLOPHONE DE CETTE ÉTIQUETTE

Part No./ No. pièce #36266 Rev. B, 03/2010

N'ENLEVEZ PAS OU NE COUVREZ PAS CETTE ÉTIQUETTE

IGN

## LIGHTING LABEL

### FOR YOUR SAFETY READ BEFORE OPERATING

**WARNING:** IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, INJURY OR LOSS OF LIFE.

**CAUTION:** HOT WHILE IN OPERATION. DO NOT TOUCH. KEEP CHILDREN, FURNITURE, GASOLINE AND OTHER LIQUIDS WITH FLAMMABLE VAPORS AWAY. NEVER OPERATE UNIT WITH GLASS DOOR OFF OR ATTEMPT TO OPEN THE DOOR WHILE HOT.

- A. This appliance is equipped with a piezo ignition device to light the pilot. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING, smell 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 the appliance.
- DO NOT touch any electric switch; do not use any phone in the 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.
- Use only your hand to push in or turn the gas control knob. Never use any tool. 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.
- 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.

## OPERATING INSTRUCTIONS

**CAUTION:** YOUR LENNOX GAS STOVE MUST ALWAYS BE OPERATED WITH GLASS DOOR IN PLACE. STOP! Read the safety information above before proceeding.

- Open the right side door. Make sure gas supply shut-off cocks are open and ON/OFF Rocker Switch is "OFF".

- Turn off all electrical power to the appliance.

- Push in Gas Cock Dial slightly and turn clockwise to "OFF".  
NOTE: Dial cannot be turned from "PILOT" to "OFF" unless Dial is pushed in slightly. Do not force.

- Wait five (5) minutes to clear out any gas. If you smell gas, STOP! Follow "B" above. If you don't smell gas continue.

- Locate the pilot by looking through the notch in the bottom right end of the front log. Blue flame will be seen when the pilot is lit.

- Turn the gas control knob counterclockwise to the "PILOT" position.

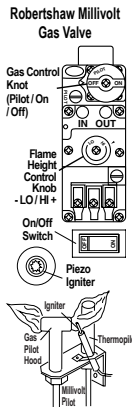
- Push the knob all the way in and hold in that position. Immediately light the pilot by pressing the igniter button several times until pilot is lit. Continue to hold the knob in for about 30 seconds after the pilot is lit. Release knob and it will pop back out. Pilot should remain lit. If it goes out, repeat steps 4-8 holding knob in an additional 15 seconds after pilot is lit.

- If knob does not pop out 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 to "OFF" and call your service technician or your gas supplier.

- After pilot is lit, turn gas control counterclockwise to "ON". Knob can only be turned "ON" if the knob has popped out.

- To turn burner on, turn "ON/OFF" rocker switch to "ON" or set the thermostat to the desired temperature above room temperature.

- Adjust the flame height (and heat output) by turning the flame height knob clockwise for full flame and counterclockwise for reduced flame.
- Set the blower to the desired air flow after it turns on when the appliance reaches operating temperature.



## TO TURN OFF GAS TO APPLIANCE

- Turn off the "ON/OFF" rocker switch and/or thermostat (if installed).
- Turn off electric power to the appliance if service is to be performed.
- Turn gas control knob clockwise to "OFF". Do not force.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air. See Installation and Operation Manual accompanying appliance.

**WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. For assistance or additional information, consult a qualified installer, service agency or your gas supplier.

Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the vent safety shut off system can result in carbon monoxide (CO) poisoning and possible death.

## SHUTDOWN PROCEDURE

- To turn off the burner, switch the rocker switch to "OFF" or adjust the thermostat to a setting below room temperature (if installed). The pilot will remain lit for future burner ignition.  
For complete shutdown: See "TO TURN OFF GAS TO APPLIANCE" above.

Part No. 36226 Rev. B, 03/2008

IGN

### POUR VOTRE SÉCURITÉ, LIRE AVANT L'ALLUMAGE

**AVERTISSEMENT:** SI VOUS NE RESPECTEZ PAS RIGOREUSEMENT LES INSTRUCTIONS CI-DESSOUS, VOUS POURRIEZ ENCOURIR UN RISQUE D'INCENDIE ET/OU D'EXPLOSION QUI POURRAIENT CAUSER DES DOMMAGES MATÉRIELS ET CORPORELS POUVANT ENTRAÎNER LA MORT.

**DANGER:** CET APPAREIL DÉGAGE DES TEMPÉRATURES ÉLEVÉES ET DEVRAIT ÊTRE INSTALLÉ À L'ÉCART DES ENDROITS TRÈS PASSANTS ET LOIN DES MEUBLES ET RIDEAUX. GARDEZ LA ZONE AUTOUR DU FOYER EXEMPTÉ DE MATÉRIAUX COMBUSTIBLES, D'ESSENCE ET AUTRES VAPEURS ET LIQUIDES INFLAMMABLES.

- A. Cet appareil utilise un système d'allumage par étincelle (allumeur Piézo-électrique) pour allumer la veilleuse. Assurez-vous de suivre rigoureusement les instructions d'allumage de la veilleuse.
- B. AVANT D'ALLUMER L'APPAREIL, assurez-vous qu'il n'y a pas d'odeur de gaz près de l'appareil ni près du sol car certains gaz plus lourds que l'air auraient tendance à s'y accumuler en cas de fuite.

#### QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:

- N'ALLUMEZ aucun appareil.
- Ne touchez aucune prise électrique; N'utilisez aucun téléphone dans votre édifice.
- Sortez de la maison. À partir d'un autre endroit, appelez immédiatement votre fournisseur de gaz et suivez les directives.
- S'il est impossible de joindre le distributeur du gaz, appelez les pompiers.
- N'utilisez aucun outil pour tourner ou pousser le dispositif de contrôle du gaz. Si vous ne pouvez le faire manuellement, n'essayez pas de réparer l'appareil. Appelez un technicien de service qualifié. Si vous tentez de forcer ou réparer le dispositif de contrôle du gaz vous pourriez encourir un risque d'incendie et/ou d'explosion.
- N'utilisez pas cet appareil si une de ses composantes a été émergée dans l'eau. Appelez immédiatement un technicien de service qualifié et reconnu afin qu'il inspecte et remplace au besoin toutes pièces du système qui auraient été en contact avec l'eau.

## ALLUMAGE

**DANGER:** VOTRE APPAREIL AU GAZ LENNOX DOIT ÊTRE OPÉRÉ AVEC DES PORTES DE VERRE.

**ATTENTION!** Lisez les consignes de sécurité ci-dessous avant d'opérer votre appareil.

- Ouvrez la porte de droite. Assurez-vous que l'alimentation en gaz est à la position Fermée "OFF". Si l'appareil est équipé d'un thermostat, placez-le à la température la plus basse.

- Couper le courant électrique qui alimente l'appareil.

- Enfoncéz légèrement le bouton de contrôle du gaz et tournez-le dans le sens des aiguilles d'une montre à la position "OFF".

NOTE: Le bouton de contrôle du gaz ne peut être tourné de la position "PILOT" à "OFF" sans qu'une légère pression ne soit appliquée.

- Attendez au moins 5 minutes pour que le gaz qui se trouve dans la chambre de combustion puisse s'échapper. Si vous sentez une odeur de gaz ARRÊTEZ! Référez-vous à la section B ci-dessus. Si vous ne sentez pas d'odeur de gaz, allez à la prochaine étape.

- Vous pouvez aussi voir le pilote en regardant à travers l'encoche située dans le bas de la bûche droite avant. Une flamme bleue est visible lorsque la veilleuse est allumée.

- Tournez le bouton de contrôle de gaz dans le sens inverse des aiguilles d'une montre pour le placer sur "PILOT".

- Cet appareil de chauffage est équipé d'un système d'allumage par étincelle (allumeur Piézo-électrique), devant être utilisé pour l'allumage de la veilleuse. Poussez complètement le bouton de contrôle du gaz et le maintenir dans cette position. Appuyez immédiatement sur le bouton (allumeur Piézo-électrique) situé à gauche du robinet de contrôle du gaz. L'étincelle produite par l'allumeur Piézo-électrique doit allumer la veilleuse. Continuez à maintenir le bouton de contrôle dans cette position pendant environ 30 secondes après l'allumage de la veilleuse. Relâchez le bouton de contrôle du gaz qui reviendra à la position initiale. La veilleuse doit rester allumée. Répétez les étapes 4 à 8 pendant 15 secondes supplémentaires si la veilleuse s'éteint.

\* Si le bouton de contrôle du gaz ne revient pas à la position initiale une fois relâché, appelez immédiatement un technicien qualifié ou votre distributeur de gaz.

\* Si la veilleuse ne reste pas allumée après plusieurs essais, tournez le bouton de contrôle du gaz à la position "OFF" et appelez immédiatement un technicien qualifié ou votre distributeur de gaz.

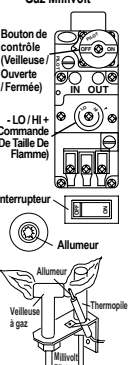
- Lorsque la veilleuse est allumée, tournez le bouton de contrôle du gaz dans le sens inverse des aiguilles d'une montre pour le placer à la position "ON". Le bouton de contrôle peut-être tourné à la position "ON" seulement si il n'est plus enfoncé.

- Pour allumer le brûleur, mettre l'interrupteur à la position "ON" ou ajustez le thermostat à la température souhaitée.

- Ajustez la flamme et la température souhaitée en tournant le bouton de réglage de la flamme dans le sens des aiguilles d'une montre pour l'abaisser et dans le sens contraire pour l'augmenter.

- Ajustez le ventilateur au volume désiré lorsque l'appareil aura atteint la température de fonctionnement.

Robertshaw Vanne  
Gaz Millivolt



## POUR COUPER L'ALIMENTATION EN GAZ DE L'APPAREIL

- Fermez l'interrupteur et/ou le thermostat «MARCHE/ARRÊT».
- Coupez l'alimentation électrique de l'appareil si vous prévoyez en faire le service.
- Tournez le bouton de commande du gaz dans le sens des aiguilles d'une montre à "OFF". Ne le forcez pas. Cet appareil a besoin d'air frais pour opérer correctement et doit être installé pour qu'il y ait un apport en air suffisant. Référez-vous aux manuels d'entretien et d'installation fournis avec l'appareil.

**AVERTISSEMENT:** Une installation inadéquate, un mauvais ajustement, une altération ou toutes autres modifications inappropriées pourraient entraîner des blessures physiques et/ou des dommages matériels. Référez-vous au guide d'utilisation fourni avec ce foyer. Pour assistance ou information supplémentaires contactez un installateur qualifié, un agent de service ou un fournisseur de gaz.

Si vous opérez cet appareil sans qu'il ne soit correctement raccordé à un conduit d'évacuation, vous pourriez risquer d'être empoisonné au monoxyde de carbone (CO) ce qui pourrait entraîner des conséquences grave ou la mort.

**PROCÉDURE D'ARRÊT:** 1. Pour arrêter le brûleur, mettre l'interrupteur à la position "OFF" ou ajustez le thermostat à une température en dessous de la température ambiante. La veilleuse restera allumée pour permettre un allumage ultérieur.

Pour un arrêt complet: Consultez la procédure ci-dessus «POUR COUPER L'ALIMENTATION EN GAZ DE L'APPAREIL».

No. pièce 36266 Rev. NC, 03/2008

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## WARRANTY

Your gas appliance is covered by a limited warranty (provided with appliance). Please read the warranty to be familiar with its coverage.

Retain this manual. File it with your other documents for future reference.

## PRODUCT REFERENCE INFORMATION

We recommend that you record the following important information about your appliance. Please contact your Lennox Hearth Products dealer for any questions or concerns. For the number of your nearest Lennox Hearth Products dealer, please call 1-800-9-Lennox.

## REPLACEMENT PARTS

See **Page 23** for a complete replacement parts list. Use only parts supplied from the manufacturer.

Normally, all parts should be ordered through your Lennox Hearth Products distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

1. The model number of the appliance.
2. The serial number of the appliance.
3. The part number.
4. The description of the part.
5. The quantity required.
6. The installation date of the appliance.

If you encounter any problems or have any questions concerning the installation or application of this system, please contact your dealer.

**LENNOX HEARTH PRODUCTS**  
**1508 Elm Hill Pike, Suite 108**  
**Nashville, TN 37210**  
Visit us at [www.Lennox.com](http://www.Lennox.com)

Your Appliance's Model Number \_\_\_\_\_

Your Fireplace Insert's Serial Number \_\_\_\_\_

The Date On Which Your Fireplace Insert Was Installed \_\_\_\_\_

The Type of Gas Your Fireplace Insert Uses \_\_\_\_\_

Your Dealer's Name \_\_\_\_\_

Fuel Type (Check one) ☐ Natural Gas ☐ Propane Gas (LP)



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.



Nous recommandons que nos foyers au gaz soient installés et que l'entretien soit effectué par des professionnels certifiés par le National Fireplace Institute® (NFI). (Etats-Unis seulement)

Lennox Hearth Products reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors, styles and products. Consult your local distributor for fireplace code information.

