



HEARTH PRODUCTS

# INSTALLATION AND OPERATION MANUAL

## Direct-Vent Gas Stove

### ELITE™ SERIES

The Vision™ Gas Stove is factory equipped for 35,000 BTU input and can be converted to 25,000 using the smaller orifice provided.

### Retain These Instructions For Future Reference

P/N 775,222M Rev. D, 03/2008

A French manual is available upon request. Order P/N 775,222CF. Ce manuel d'installation est disponible en français, simplement en faire la demande. Numéro de la pièce 775,222CF.

In the Commonwealth of Massachusetts:

- Installation must be performed by a licensed plumber or gas fitter
- See Table of Contents for location of additional Commonwealth of Massachusetts requirements

Tested & Listed By  Beaveron Oregon USA  
OMNI-Test Laboratories, Inc.  
Report No. 050-S-16b-5



### Vision™ 25/35 (VIS25/35)



## ! WARNINGS

- **Hot! Do not touch! The glass and surfaces of this appliance will be hot during operation and will retain heat for a while after shutting off the appliance. Severe burns may result.**
- **Carefully supervise children in the same room as appliance.**
- **Suitable for installation into masonry or factory built fireplaces. These appliances may be installed in an after-market permanently located, manufactured (mobile) home (USA only), where not prohibited by local codes. 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.**
- **Lennox™ gas-burning appliances are designed for use as a supplemental heater. They are not intended for continuous use as a primary heat source.**

**WARNING:** If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

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

#### WHAT TO DO IF YOU SMELL GAS:

- Do not 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 your gas supplier's instructions.
- If your gas supplier cannot be reached, call the fire department.

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

**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.

**POUR VOTRE SÉCURITÉ:** Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables à proximité de cet appareil ou de tout autre appareil.

**POUR VOTRE SÉCURITÉ:** 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
- 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.

# ⚠ Cautions and Safety ⚠

- ◆ **FOR YOUR SAFETY** do not install or operate your Vision™ gas stove 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.**
- ◆ The stove should be inspected and cleaned before use and at least annually by a qualified service technician. More frequent cleaning may be required due to excessive lint from bedding material, carpeting, etc.
- ◆ It is imperative that control compartments, burners and circulating air passageways of the room heater be kept clean.
- ◆ Adequate clearances around the combustion chamber and accessibility clearances for servicing and proper operation must be maintained.
- ◆ Turn off the gas before servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.
- ◆ All installations must conform with all local, state and national 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. Your Vision gas stove must be vented to the outside in accordance with the latest edition of the National Fuel Gas Code.
- ◆ This gas stove **MUST** be vented directly to the outside and **MUST NEVER** be attached to a chimney serving a separate solid fuel burning appliance. Each gas stove **MUST USE** a separate vent system. Common vent systems are **PROHIBITED**.
- ◆ Mobile home installations must conform with the Mobile Home Construction and Safety Standard, Title 24 CFR, Part 3280 (in Canada CAN/CSA Z240 MH), or, when such a standard is not applicable, the Standard for Mobile Home Installations, ANSI A225.1 - latest edition.
- ◆ The appliance, when installed, must be electrically grounded in accordance with local codes or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 - latest edition. In Canada, the current CSA C22-1 Canadian Electrical Code - latest edition.
- ◆ 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.
- ◆ Your Lennox™ gas stove 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.
- ◆ Do not use this stove 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.
- ◆ Due to high temperatures, the stove should be located out of traffic areas and away from furniture and draperies.
- ◆ Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the Lennox gas stove. Clothing or any other flammable material should not be placed on or near the stove.
- ◆ 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 stove. Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a qualified service technician.
- ◆ **DO NOT USE** abrasive cleaner on the glass door assembly. **DO NOT ATTEMPT** to clean the glass door when it is hot.
- ◆ 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 lower door on the face while the stove is burning, pull at the far left or far right vent openings, because the door is hot during operation.
- ◆ Lennox Hearth Products, 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.
- ◆ **INSTALLER: THESE INSTRUCTIONS ARE TO REMAIN WITH THE HOME OWNER!**

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## 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 23** 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 stove has been tested and certified by OMNI -Test Laboratories to ANSI Z21.88/CSA 2.33 Standard for Vented Gas Fireplace Heater and CGA 2.17-M91 and UL 307B Gas Burning Heating Appliances for Manufactured (Mobile) Homes 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.

### The Vision™ Stove

- 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.
- Mobile home installations must conform with the Mobile Home Construction and Safety Standard, Title 24 CFR, Part 3280 (in Canada CAN/CSA Z240 MH), or, when such a standard is not applicable, the Standard for Mobile Home Installations, ANSI A225.1 - latest edition.
- 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.
- 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.

## New York City, New York (MEA)

Installation of these fireplaces 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 #G3-0806-6)

**Note: The following requirements reference various Massachusetts and national codes not contained in this document.**

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

### Installation Of Carbon Monoxide Detectors

At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas-fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

### Approved Carbon Monoxide Detectors

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

### Signage

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, **“GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS.”**

### Inspection

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

### Exemptions

The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

- The equipment listed in Chapter 10 entitled “Equipment Not Required To Be Vented” in the most current edition of ANSI Z233.1 / NFPA 54 (In Canada CAN/CSA B149.1 - current edition) as adopted by the Board; and
- Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

## MANUFACTURER REQUIREMENTS

### Gas Equipment Venting System Provided

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

### Gas Equipment Venting System NOT Provided

When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies “special venting systems”, the following requirements shall be satisfied by the manufacturer:

- The referenced “special venting system” instructions shall be included with the appliance or equipment installation instructions; and
- The “special venting systems” shall be Product Approved by the Board and the instructions for that system shall include a parts list and detailed installation instructions.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

- 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.

## Pre-Installation

### Features

#### Installation Options

- Residential
- Vented vertical and horizontal
- Manufactured (mobile) home
- Natural gas (NG) or propane (LP)
- Bedrooms
- Optional wall-mounted or remote thermostat

#### Venting

This stove can be vented with Security™ Secure Vent™ pipe\*. Coaxial pipe diameters are 6-5/8" outer and 4" inner. The combustion air for this stove is drawn from outside the house through the outer DV (direct vent) pipe. Room air is not required for combustion.

When planning your installation, select the correct length of vent pipe for your particular requirements. Determine the minimum clearance to combustibles from the rear of the unit to the wall. It is also important to note the thickness of the wall. Before cutting the vent hole through the wall make sure that ALL vent and termination clearances (see **Page 15**) will be met.

#### Electrical

The standard fan motor requires 120 Volts AC for operation. The stove is not dependent on the fan or an outside electrical supply to operate. **WARNING - Electrical Grounding Instructions - 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.**

\* Other approved chimney brand is Simpson Dura-Vent DV-GS.

#### Millivolt Valve

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

#### Fuel

This stove comes from the factory equipped to burn natural gas at a specified elevation. The stove can be converted to burn LP gas (liquid propane) by changing the cassette (valve and pilot assembly) or 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.

#### Specifications

Pipe: Type - direct-vent  
 Recommended manufacturer\*  
 Security™ Secure Vent\*  
 Diameter - 6-5/8"x 4" for all installations

#### Stove Packaging List

The Vision™ gas stove comes with the following parts:

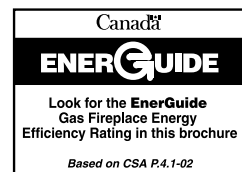
- 1 Stove Body with Burner Cassette
- 1 150 CFM Blower
- 1 Brick Panel
- 1 Log Set
- 1 #42 Burner Orifice (to convert to Vision 25)
- 1 Bag of Ember Material
- 1 Installation and Operation Manual

#### Options

- Wall-mounted or Remote Thermostat
- Painted, Gold, or Nickel Plated Door Trim and Grill Assembly (required)

| RATINGS                                     | Vision™ 35 (VIS35) |                | Vision™ 25 (VIS25) |                |
|---|--------------------|----------------|--------------------|----------------|
|   | NATURAL GAS        | LP GAS         | NATURAL GAS        | LP GAS         |
| Max/Min Input BTUh 0-2,000 Feet (0-610 M) ❶ | 35,000/23,000      | 35,000/23,500  | 25,000/17,500      | 25,000/18,000  |
| Manifold Pressure (IN. WC)                  | 3.5                | 10.0           | 3.5                | 10.0           |
| Min. Inlet Pressure (IN. WC)                | 5.0                | 11             | 5.0                | 11             |
| Maximum heat output BTUs/hour-steady state  | 29,050             | 29,050         | 20,750             | 20,750         |
| P4 Efficiency <b>ENERGUIDE</b> ❸            | 61.65%             | 65.74%         | 65.08%             | 66.56%         |
| Orifice (DMS) 0-2,000 Feet (0-610 M) ❶      | #34 (.111 IN.)     | #50 (.070 IN.) | #42 (.093 IN.)     | #53 (.059 IN.) |

- ❶ Unit factory equipped for 0-2000 FT/0-610 M, In Canada 0-4500 FT/0-1370 M
  - ❷ The Steady State Efficiency numbers based on maximum vent configuration.
  - ❸ Tested to CSA P.4.1-02 "Testing Method for Measuring Annual Fireplace Efficiency."
- Electrical Rating: 120 VAC, 60 HZ, Less Than 2 Amps



## Preparing Your Vision™ Stove For Installation

Read all instructions before beginning your installation. If instructions have not been read carefully, your installation could void your warranty and may create a serious fire, health, or other safety hazard.

The Lennox Hearth Products warranty will be voided if one of the following occurs:

- Installation of any damaged stove or vent system component.
- Unauthorized modification of the direct vent system.
- Installation other than as instructed by Lennox Hearth Products, Security™ Chimneys, or Simpson Dura-Vent.
- Installation of any stove or vent system component not manufactured or approved by Lennox Hearth Products, Security™ Chimneys, or Simpson Dura-Vent.

When planning the installation for your Vision gas stove, it's necessary to consider the following:

- Where the unit is to be installed
- The vent system configuration to be used
- Gas supply (NG or LP)
- Electrical wiring
- Optional accessories (door trim/grill assembly and wall-mounted or remote thermostat)

### Rear Vent Dimensions

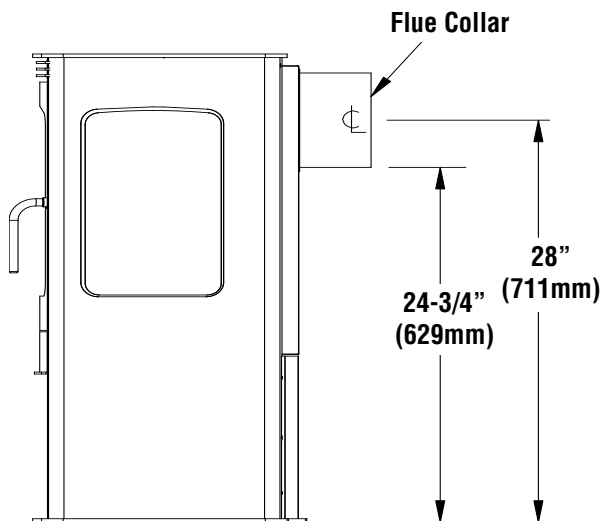


Figure 1

## Dimensions

The gas line attaches to the gas valve at the back of the stove 2-1/2" in from the left side of the stove and 8-1/2" up from the base of the unit. Test all gas connections for leaks with a gas leak test solution.

### Top View

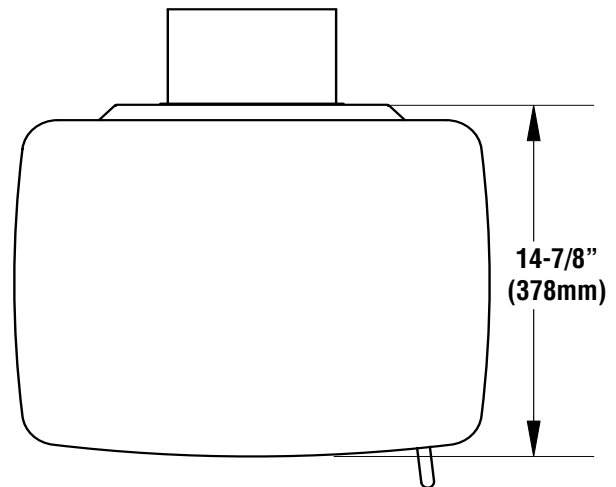


Figure 2

### Front View

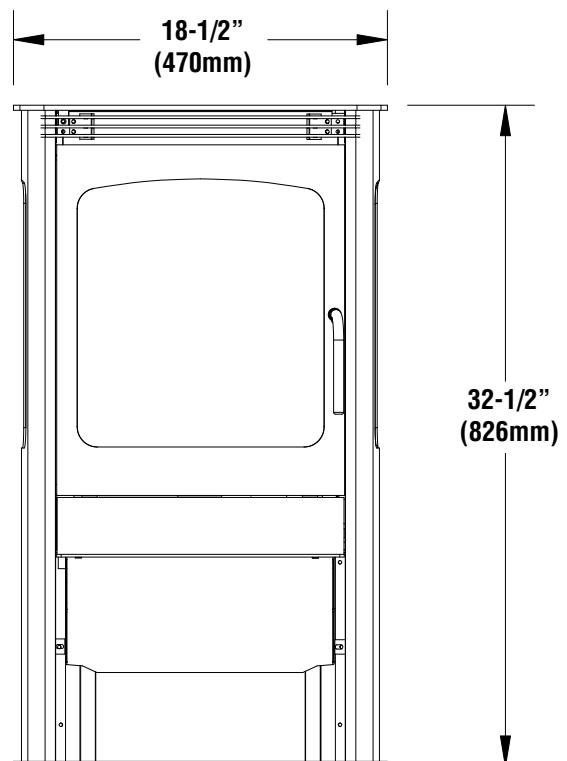
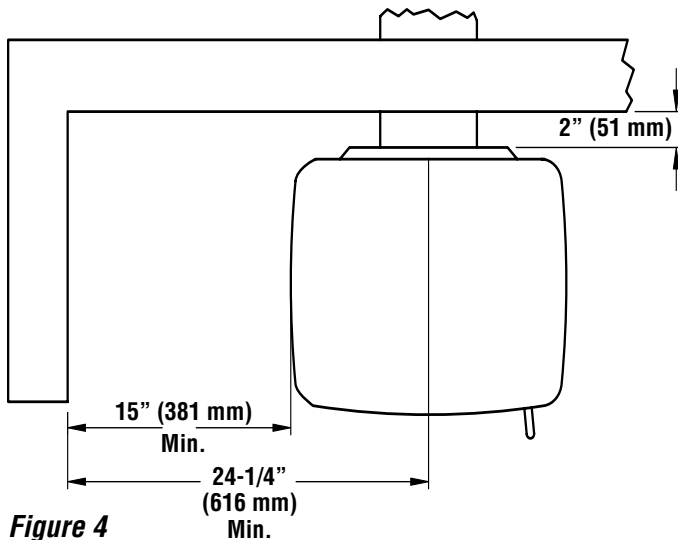


Figure 3

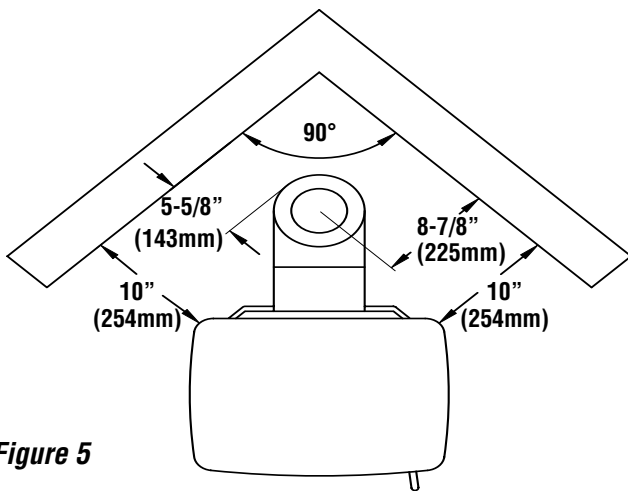
## Clearances to Combustibles

Minimum clearances to combustible materials in inches (millimeters):

### Parallel Installation



### Corner Installation



## Pipe Clearances

All installations using a vertical termination cap must maintain one inch clearance between the direct vent pipe and combustibles. For horizontal runs of pipe, one inch of clearance to combustibles on the sides and bottom and two inches on the top of the pipe is required. See **Page 14** for allowable pipe configurations.

## Alcove dimensions

The minimum width between the alcove side walls is 51" (1295mm). The minimum height of the alcove is 46" (1168mm) and the maximum depth is 35" (889mm).

### Alcove Dimensions

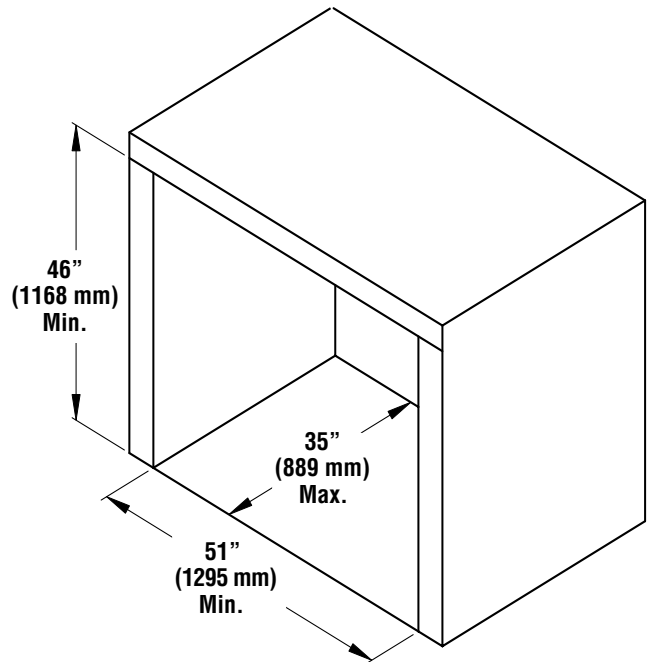


Figure 6

## Floor Protection

A non-combustible hearth pad is not required. This stove may be installed on a combustible surface as long as the combustible material (such as carpeting) does not extend 1-1/2" (38 mm) vertically above the bottom of the base. Also, the floor beneath the stove must be stable, level, hard and strong enough to support the stove without a tipping hazard.

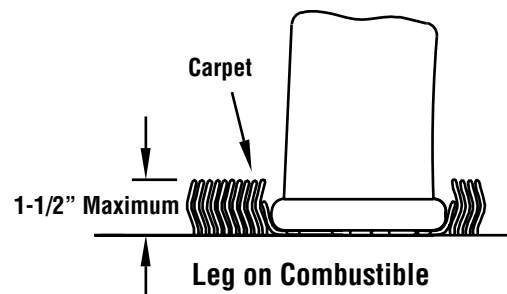


Figure 7



## Installation

### Installing Door Trim And Spring Handle

**CAUTION:** Always ensure that plated surfaces are clean and free of fingerprints before lighting stove. Fingerprints will leave permanent blemishes if left on plated surface when lit. When installation is complete, the trim should be gently cleaned with a soft cloth and either alcohol or glass cleaner. Do not overtighten nuts, overtightening can create visible dimples on the plated surface.

To install the trim on the door, first see Opening and Removing Door on **Page 22**. Slide the threaded studs on the trim through the holes in the door. Install the nuts on the studs to secure the trim to the door. Do not over tighten the nuts or they will snap the studs off. To install the spring handle, first close the door and screw the handle into the receiving nut. Then spray Windex or water on the shaft of the handle to act as a lubricant. Next, twist the spring handle counter-clockwise onto the shaft. Use Windex or alcohol to remove any fingerprints prior to firing the stove.

## Brick Panel And Log Set Installation

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.

**CAUTION:** If the logs are not properly installed, your stove will not function correctly.

**Parts list:** rear log, right log, left log, center log, brick panel (packaged separately)

1. Remove the logs from the box and carefully unwrap them. The logs are fragile, so handle them with care.
2. Remove the brick retainer bracket from the upper left corner inside the stove.



**Figure 8**

3. Install the brick panel and replace the brick retainer bracket.
4. Place the rear log on the back log supports. The charred surface of the log should face the front.



**Figure 9**

5. Place rockwool over ports. Rockwool can be placed to obscure air holes, but do not cover the air holes.

\* Fifty percent or less of rockwool supplied should be used in LP installations. Too much rockwool will result in tall sooty flames.



**Figure 10**

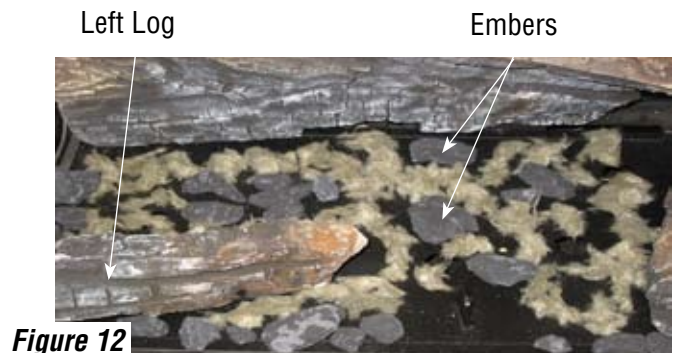
6. The right front log (positioned with the black charred surface toward the front) should be placed on the peg protruding from the right side of the stove.



**Figure 11**

Right Log

7. Place the left log on burner supports with the charred surface facing up. The left log will only fit on the burner supports in one direction.
8. Place embers around the perimeter of the burner and sparingly in field of burner. Do not block air holes on the burner.



**Figure 12**

- Set center log on support with charred surface toward you and rest against the rear log.



**Figure 13**

## VENT INSTALLATION

### Venting:

The Vision™ gas stove has been tested and listed as a direct vent heater system by OMNI-Test Laboratories, Beaverton, Oregon and is recommended for use with Security™ Secure Vent™ pipe\*.

### Important:

- Read all instructions carefully before starting the installation. Failure to follow these instructions may create a fire or other safety hazard and will void the warranty. Be sure to check for specific clearances to combustible requirements on **Page 8**. **Do not extend the venting system vertically or horizontally in excess of the distance prescribed on Page 14**. Consult your local building codes before beginning the installation.
- Always maintain the proper air spaces between the vent pipe and nearby combustibles to prevent a fire hazard.** Do not fill air spaces with insulation. Be sure to check the vent termination clearance requirements from decks, windows, soffits, gas regulators, air supply inlets and public walkways, as specified in these installation instructions on **Page 15** and local building codes.
- This gas stove and vent system must be vented directly to the outside of the building and never be attached to a chimney serving a separate solid fuel or gas-burning appliance.** Each direct vent gas appliance must use its own separate vent system. Common vent systems are prohibited.
- The Vision gas stove is recommended for use with Security™ Secure Vent pipe\*. The appliances and vent manufacturers warranties will be voided and serious fire, health, or other safety hazards may result from any of the following actions:
  - Installation of any damaged direct vent component.
  - Unauthorized modification of the direct vent system.
  - Installation of any vent component part not approved or manufactured by the approved vent manufacturer.
  - Installation other than as instructed by Lennox Hearth Products and vent manufacturers instructions.

## Residential and Mobile Home Installations:

These are the minimum pieces required. Other parts may be required for your particular installation.

### Minimum Components for Horizontal Installation:

#### Horizontal Termination Kit which includes:

- 1 6-5/8" x 6" Black Pipe
- 1 Riser Vent Terminal
- 1 Wall Penetration Heat Shield (Wall Thimble) (2 pcs)
- 1 Decorative Wall Trim (black)
- 1 Tube Mill-Pac
- Screws

#### Optional Components:

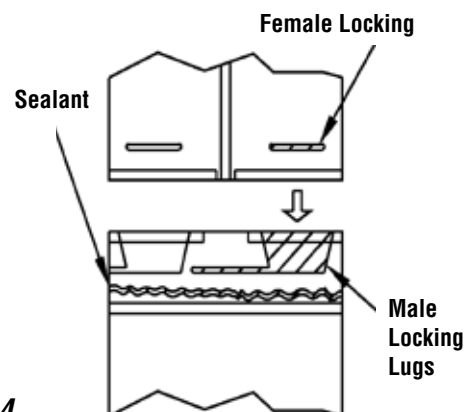
- 45° Elbow
- Vinyl Siding Shield for Riser Vent Terminal
- Vent Guard
- Snorkel Termination (36")
- Snorkel Termination (14")
- Wall Penetration Heat Shield

## Vent Considerations

**Twist-lock procedure:** Four indentations on female ends of pipes and fittings are designed to slide straight onto male ends of adjacent pipes and fittings by orienting the four pipe indentations so they match and slide into the four entry slots. Push pipe sections completely together, then twist-lock one section clockwise approximately one-quarter turn until the two sections are fully locked. The female locking lugs will not be visible from the outside on the pipe or fittings. They may be located by examining the inside of the female ends.

**Supports:** Horizontal runs of vent must be supported every 3 feet. Wall straps are available for this purpose.

**Pipe Sealing:** If Simpson Dura-Vent pipe is used, the pipe must be sealed as follows: seal both the inner and outer pipes with a high temperature silicone sealant rated for at least 600° F (commonly known as "RTV"). Run a 1/8" bead of silicone around outside of male end of outer sleeve. Run a 1/8" bead of silicone about 1/4" from the end of the male inner pipe, which is found in the pipe to be attached above. Twist-lock the pipes or fittings together.



**Figure 14**

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

## Vent Parts List

Direct vent pipe Security™ Secure Vent™ \* may be used with the Vision™ gas stove. Please see the lists below to verify the components available from each direct vent pipe manufacturer. Snorkel terminations are available for applications which may require vertical rise on the building exterior. The components listed below come in a galvanized finish. Most of the components are also available in a painted black finish. Add a “B” to the end of the part number when ordering if a black part is desired.

### Security - Secure Vent 6-5/8” x 4” Pipe

| Part Number | Description                        |
|-------------|------------------------------------|
| SV4LC       | 6” Pipe Length                     |
| SV4L12      | 12” Pipe Length                    |
| SV4L24      | 24” Pipe Length                    |
| SV4L36      | 36” Pipe Length                    |
| SV4L48      | 48” Pipe Length                    |
| SV4LA       | 6” Pipe, Adjustable                |
| SV4LA12     | 12” Pipe, Adjustable               |
| SV4FA       | Flashing, 1/12 to 6/12 Roof Pitch  |
| SV4FB       | Flashing, 7/12 to 12/12 Roof Pitch |
| SV4RSM      | Wall Radiation Shield              |
| SV4E46      | 45° Elbow                          |
| SV4E90      | 90° Elbow                          |
| SV4VS       | Vinyl Shield Protector             |
| SV4FC       | Storm Collar                       |
| SV4CGV      | Vertical Termination Cap           |
| SV4BF       | Firestop                           |
| SV4CHC      | Horizontal Termination Cap         |
| SV4STC36    | Snorkel Termination Cap (36”)      |
| SV4STC14    | Snorkel Termination Cap (14”)      |
| SV4BM       | Wall Band                          |

### Simpson Dura-Vent GS 6-5/8” x 4” Pipe

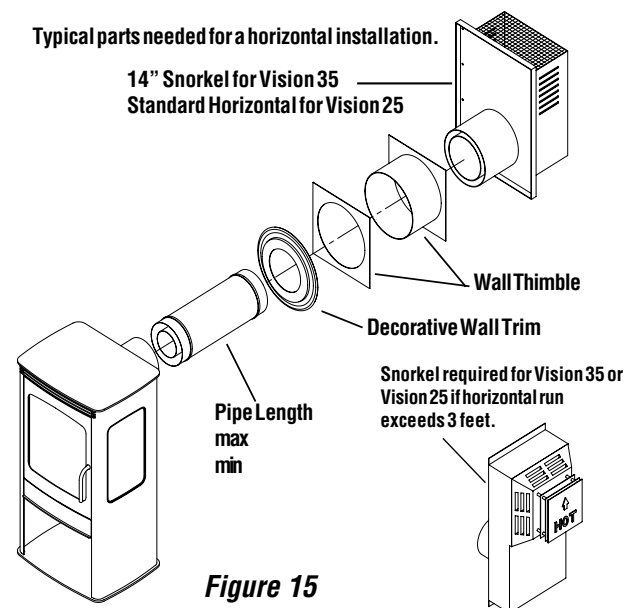
| Part Number | Description                            |
|-------------|--|
| 908         | 6” Pipe Length                         |
| 907         | 9” Pipe Length                         |
| 906         | 12” Pipe Length                        |
| 904         | 24” Pipe Length                        |
| 903         | 36” Pipe Length                        |
| 902         | 48” Pipe Length                        |
| 911         | 11” to 14-5/8” Pipe, Adjustable        |
| 942         | Wall Thimble                           |
| 940         | Rnd Support Box/Wall Thimble Cover     |
| 941         | Cathedral Ceiling Support Box          |
| 943         | Flashing, 0/12 to 6/12 Roof Pitch      |
| 943S        | Flashing, 7/12 to 12/12 Roof Pitch     |
| 945         | 45° Elbow                              |
| 990         | 90° Elbow                              |
| 950         | Vinyl Siding Standoff                  |
| 953         | Storm Collar                           |
| 963         | Ceiling Firestop                       |
| 988         | Wall Strap                             |
| 981         | Snorkel Termination (36”)              |
| 982         | Snorkel Termination (14”)              |
| 984         | Horizontal Termination Cap             |
| 985         | Horizontal Termination Cap (High Wind) |
| 980         | Vertical Termination Cap               |
| 991         | Vertical Termination Cap (High Wind)   |

## Horizontal Vent Installation

### Venting terminals may not be recessed into a wall or siding.

- 1) Set the unit in the desired location. Check whether or not wall studs are in the way when the venting system is attached. If wall studs are in the way, you may want to adjust the location of the unit.
- 2) Assemble the desired combination of pipe and elbow to the appliance adaptor with pipe seams facing down. Off-setting the pipe seams as double seams in one place will cause the outer pipe to take an oval shape. The Horizontal Termination Kit comes with 18” of straight vent - 6-5/8” black outer pipe and 4” inner vent.
- 3) With the pipe attached to the stove, slide the stove into its correct location and mark the wall to the dimensions of the wall thimble (9-1/4” x 10-1/4”). The center of the round hole should line up with the centerline of the horizontal pipe. (9-1/4” is side-to-side dimension and 10-1/4” is vertical dimension) If the wall being penetrated is constructed of non-combustible material (i.e. masonry block or concrete), a 7” diameter hole is acceptable.
- 4) The horizontal run of vent should have a 1/4” rise for every 1 foot of run toward the termination. Never allow the vent to run downward. This could cause high temperatures and may present the possibility of a fire.
- 5) The location of the horizontal vent termination on an exterior wall must meet all local and national building codes and must not be blocked or obstructed. For External Vent Termination Locations, see **Page 15**.

**Snorkel Terminations:** For installations requiring a vertical rise on the exterior of the building, 14-inch (356 mm) and 36-inch (914 mm) tall Snorkel Terminations are available, as well as the standard Riser Vent. Follow the same installation procedures as used for standard Horizontal Termination. NEVER install the snorkel upside down.



**Figure 15**

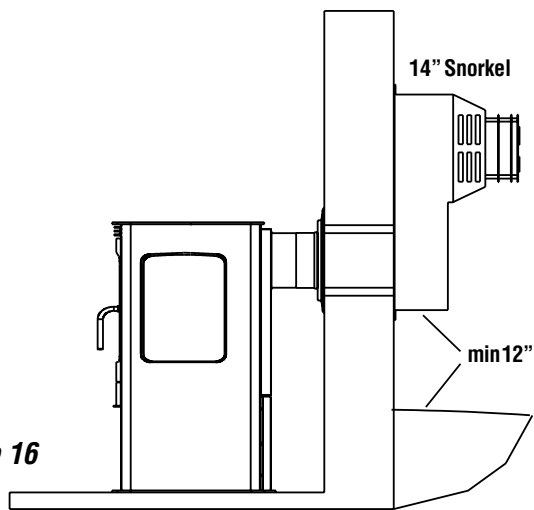


Figure 16

### Vertical Vent Installation

#### Important Notes

1. All vertically terminated vent installations use 6-5/8" x 4" Security™ Secure Vent™ pipe\*.
2. If the vent passes through a ceiling or floor, a firestop - Simpson #963 or Security #SV4BF - is required.
3. If the vent passes through the roof, a roof flashing - Simpson #943 or 943S or Security #SV4FA or SV4FB - and storm collar - Simpson #953 or Security #SV4FC - are required.
4. A 1-inch clearance from the vent pipe to combustible materials must be maintained.
5. A maximum of either two 45° elbows or two 90° elbows may be used. See **Page 14** for allowable offsets.
6. The maximum system height is 30 feet (9.1M) and the minimum is 10 feet (3M).

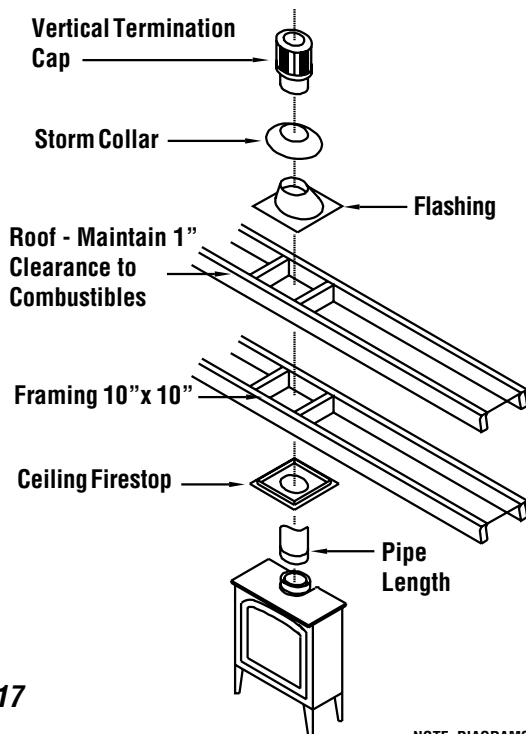


Figure 17

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

### Flue Restrictors

This stove requires a balanced flue to ensure proper combustion. As such, flue restrictors may need to be installed depending on the vent configuration of your stove. The drawings on the following page show all the allowable pipe configurations for the Vision™ gas stove. To properly install the flue restrictor, find your pipe configuration in the drawings on the following page and note which restrictor setting is recommended. The flue restrictor is shipped in the firebox of your stove. To install the restrictor, see **Figure 18**. Remove the two 5/32" allen head screws (A below). Using pliers, repeatedly bend the unwanted portion of the flue restrictor and discard. Install the flue restrictor using the two 5/32" allen head screws according to the diagram below. Install the flue restrictor screws in their original holes in the top of the firebox. Restrictor positions are based on tests run in a laboratory.

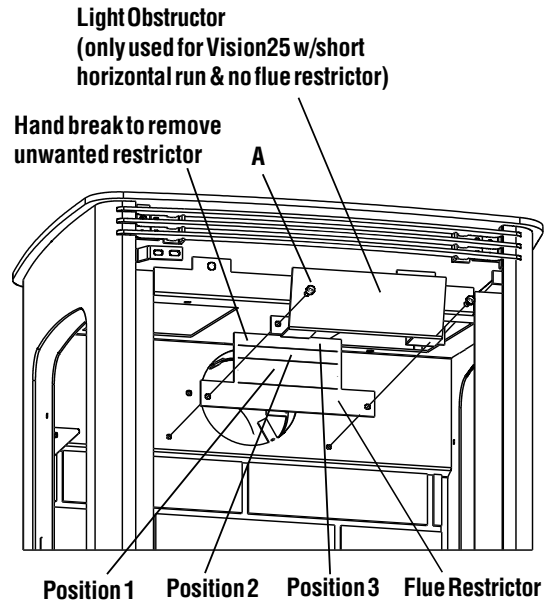


Figure 18

## Horizontal Terminations

The shaded areas in the diagram below show all allowable combinations of vent configurations with horizontal terminations. Horizontal sections of pipe require 1/4" of rise for every 12" of run. A second 90 degree or 45 degree elbow (in addition to the first 90 degree elbow at the top of the vertical length of pipe) is allowed as long as the overall length of the horizontal run of pipe does not exceed those shown below. Use the restrictor positions indicated. Note that if the termination cap falls in the unshaded area below then no restrictor is installed in the stove.

① One 45° elbow is allowed when venting horizontal, straight off the back of the unit. See Figure 19.

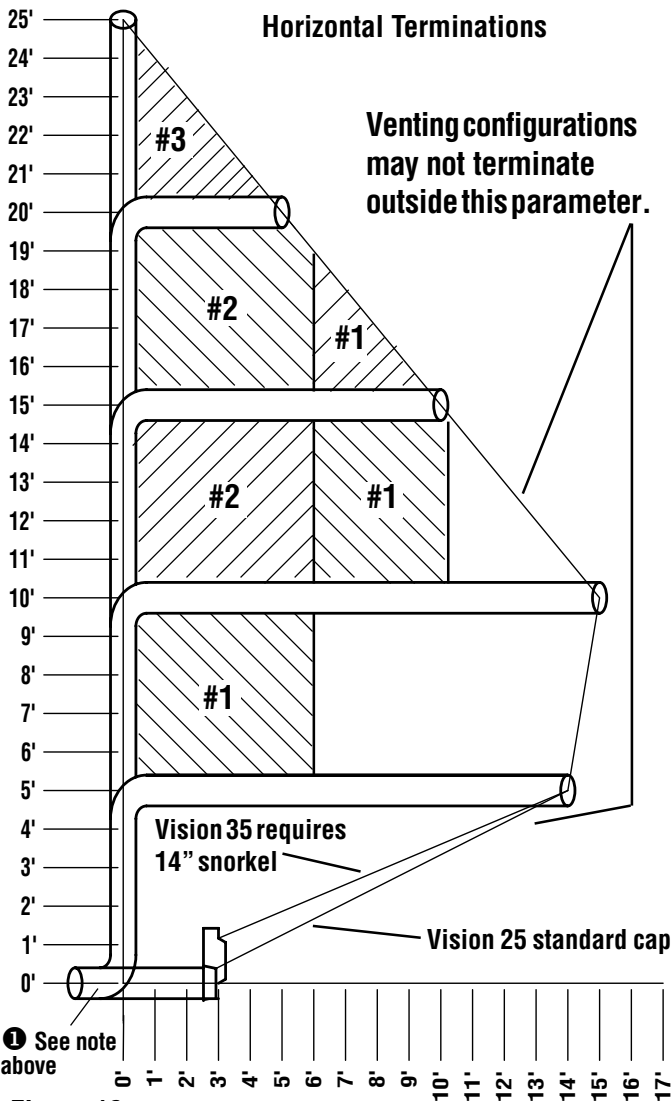


Figure 19

To install the stove with pipe directly out the back, a snorkel is not required for the Vision™ 25 gas stove. A snorkel is required for the Vision 35 gas stove. See **Pages 12 and 13** for snorkel installation instructions.

## Vertical Terminations

The diagram below shows all allowable combinations of straight vertical and offset to vertical vent configurations with vertical terminations. The termination must fall within the shaded areas on the diagram. Use the indicated restrictor positions. Offsets may consist of two 90 degree elbows OR four 45 degree elbows.

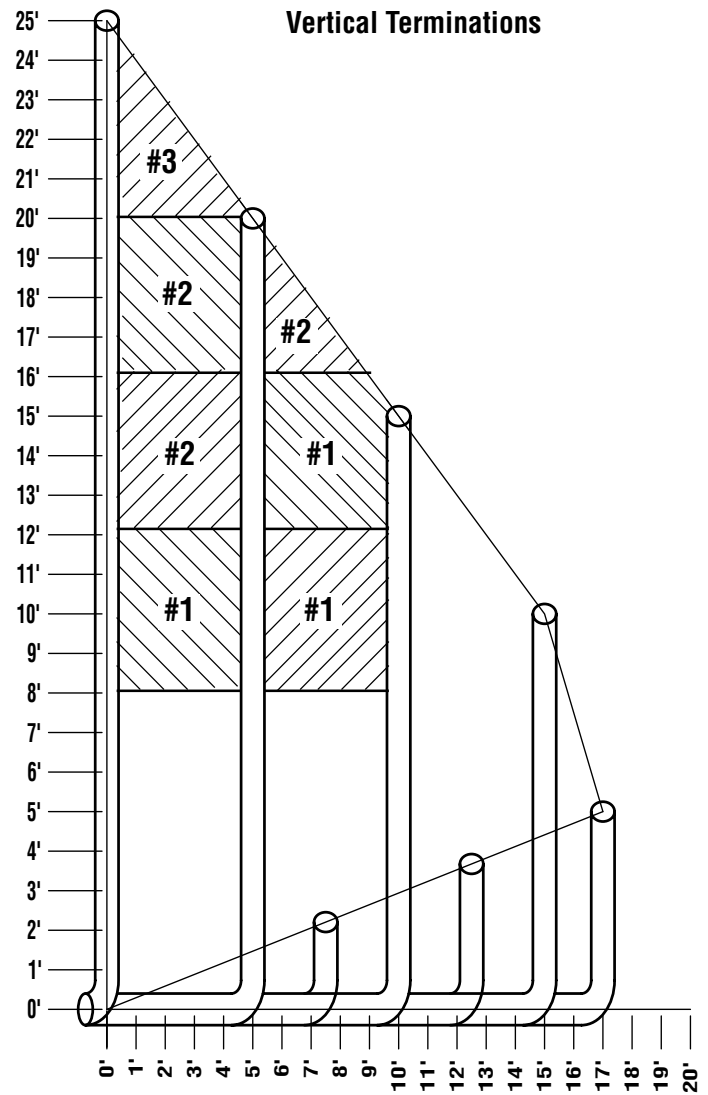


Figure 20

## COMBINATION OF VERTICAL AND HORIZONTAL LENGTHS CANNOT EXCEED 25'.

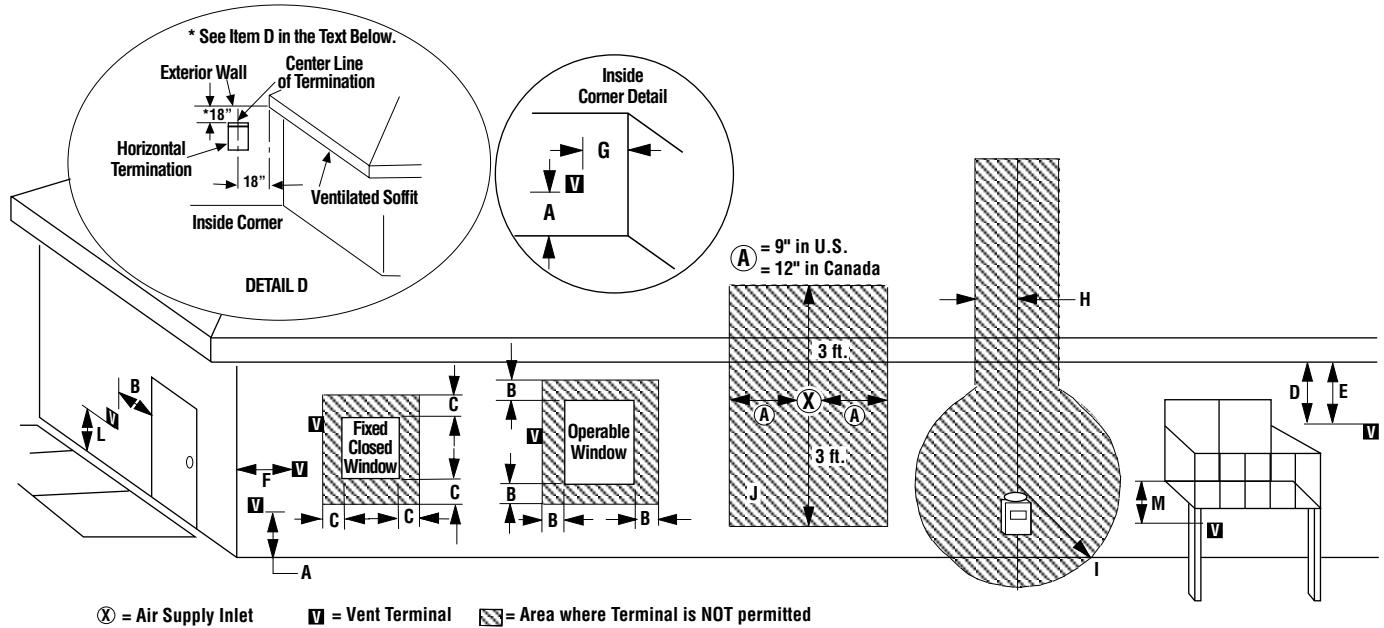
### Straight Horizontal With No Vertical

|                                   |                              |                      |
|-----------------------------------|------------------------------|----------------------|
| Vision 25 LP 0-3' horizontal..... | Standard Horizontal Cap..... | Use Light Obstructor |
| Vision 25 NG 0-3' horizontal..... | Standard Horizontal Cap..... | Use Light Obstructor |
| Vision 35 LP 0-3' horizontal..... | 14" Snorkel Required.....    | No Light Obstructor  |
| Vision 35 NG 0-3' horizontal..... | 14" Snorkel Required.....    | No Light Obstructor* |

① Offsets must remain within maximum and minimum lines.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

# Exterior Horizontal Vent Termination Clearance Requirements



| Minimum Clearances  | Canadian Installation *  | US Installation **  |
|---|--|---|
| A = Clearance above grade, veranda, porch, deck or balcony.   | 12 inches (30 cm) *  | 12 inches (30 cm) **  |
| B = Clearance to window or door that may be opened.   | 6 in. (15.2 cm) for appliances < 10,000 BTU/hr (3kW), 12 in. (30 cm) for appliances > 10,000 BTU/hr (3kW) and < 100,000 BTU/hr (30kW), 36 inches (91 cm) for appliances > 100,000 BTU/hr (30kW)* | 6 in. (15.2 cm) for appliances < 10,000 BTU/hr (3kW), 9 in. (23 cm) for appliances > 10,000 BTU/hr (3kW) and < 50,000 BTU/hr (15kW), 12 inches (30 cm) for appliances > 50,000 BTU/hr (15kW)* |
| C = Clearance to permanently closed window  | 12 inches (305 mm) recommended to prevent window condensation  | 9 inches (229 mm) recommended to prevent window condensation  |
| D = Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 18 in. (458 mm) from the center line of the terminal | 18 inches (458 mm)   | 18 inches (458 mm)  |
| E = Clearance to unventilated soffit  | 12 inches (30 cm)  | 12 inches (30 cm)   |
| F = Clearance to outside corner   | 5 inches (12.7 cm)   | 5 inches (12.7 cm)  |
| G = Clearance to inside corner  | 6 in. (15 cm)  | 6 in. (15 cm)   |
| H = Clearance to each inside of center line extended above meter / regulator assembly   | 3 feet (91 cm) within a height of 15 feet above the meter / regulator assembly *   | 3 feet (91 cm) within a height of 15 feet above the meter / regulator assembly **   |
| I = Clearance to service regulator vent outlet  | 3 feet (91 cm) *   | 3 feet (91 cm) **   |
| J = Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance   | 6 in. (15.2 cm) for appliances < 10,000 BTU/hr (3kW), 12 in. (30 cm) for appliances > 10,000 BTU/hr (3kW) and < 100,000 BTU/hr (30kW), 36 inches (91 cm) for appliances > 100,000 BTU/hr (30kW)* | 6 in. (15.2 cm) for appliances < 10,000 BTU/hr (3kW), 9 in. (23 cm) for appliances > 10,000 BTU/hr (3kW) and < 50,000 BTU/hr (15kW), 12 inches (30 cm) for appliances > 50,000 BTU/hr (15kW)* |
| K = Clearance to mechanical air supply inlet  | 6 feet (1.8 meters) *  | 3 feet (91 cm) above, if within 10 feet (3 m) horizontally**  |
| L = Clearance above paved sidewalk or paved driveway located on public property   | 7 feet (2.13 m) ‡  | 7 feet (2.13 m) ‡   |
| M = Clearance under veranda, porch, deck or balcony   | 12 in. (30 cm) * ‡   | 12 in. (30 cm) ** ‡   |

\* In accordance with the current CSA-B149.1 National Gas and B149.2 Propane Installation Code - Latest Editions.

\*\* In accordance with the current ANSI Z223.1 / NFPA 54 National Fuel Codes - Latest Edition.

‡ A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings.

\*‡ Only permitted if veranda, porch, deck or balcony is fully open on a minimum 2 sides beneath the floor.

Figure 21

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

## Gas Line Installation

This stove must be connected to the gas line in accordance with local codes and/or the National Fuel Gas Code, ANSI Z223.1 (In Canada, the current CAN/CSA B149.1 installation code). The gas line screws into the gas valve at the back of the stove 2-1/2" in from the left side of the stove and 8-1/2" up from the base of the unit. After connecting the gas line, all joints in the line and connections at the valve should be checked for leaks. 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 IS IMPROPER GAS PRESSURE!**

**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 the table on this page for gas pressure requirements.**

Two pressure taps are provided on the stove's valve to check gas pressures. To access the taps, remove the two socket head screws from the valve control panel. The taps are located below the on/off/pilot knob. The left tap is the inlet (supply) pressure side. To check inlet pressure (with the stove burning) insert a small flat-bladed screwdriver into the tap and turn a half-turn counter-clockwise. Cover the tap with the line from the manometer and check the pressure. Close the tap gently but securely after completing the check. The manifold (outlet) tap is to the right of the inlet tap. To check manifold pressure (with the stove burning at the high burn setting) insert a small flat-bladed 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 improperly adjusted and the total gas load for the residence does not exceed the amount supplied.

**The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig.**

**The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig. Check with your gas supplier or plumber.**

| 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           | 1.8" WC    |
| LP Gas      | 11" WC         | 11" WC  | 13" WC   | 10" WC            | 6.0" WC    |

## LP and Natural Gas Supplies

Your Vision™ gas stove 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 on the igniter bracket. 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.**



## Operating Instructions

### Pre-Lighting Checklist

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

- The stove gas label corresponds to the gas supply available - that is "natural gas" for natural gas or "LP gas" for LP gas.
- Gas pressure has been checked carefully - see **Page 16**.
- All gas fittings have been checked for leaks.
- All clearances to combustibles have been met - see **Page 8**.
- All combustible materials have been removed from area in front of the stove.
- All vented areas of the stove are unobstructed.
- House is ventilated to clear initial paint curing odors - see **Page 19**.
- All packaging materials have been removed from the firebox.
- While stove is cool, fingerprints or other marks have been cleaned 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.
- Brick panel, log set and embers have been installed.
- The glass door is in place and is properly sealed.

### Lighting Instructions

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

#### 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

**CAUTION: YOUR LENNOX™ GAS APPLIANCE 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

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.**

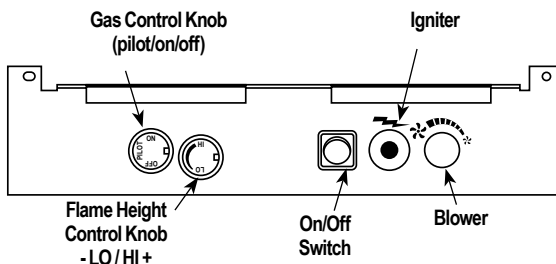


Figure 22

SIT Millivolt Gas Valve

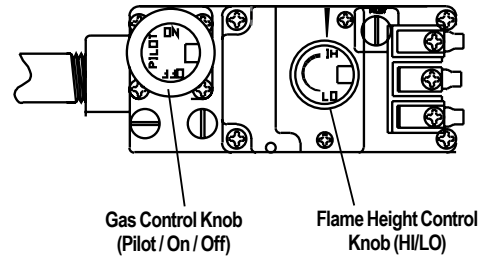


Figure 23

## Flame Color and Behavior

Your Vision™ gas stove 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 stove to cause the flames to turn orange sooner may result in poor combustion, sooting and a hazardous situation. See the drawing to the right 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.

## Burner Flame Appearance

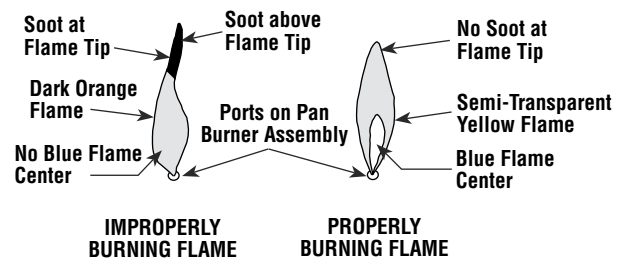


Figure 24

## Pilot Flame Appearance

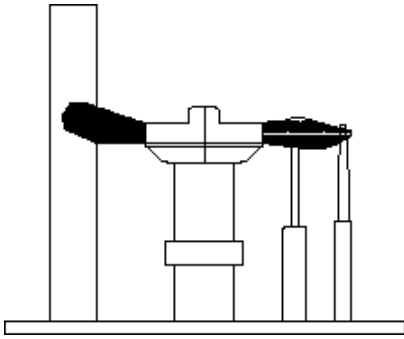
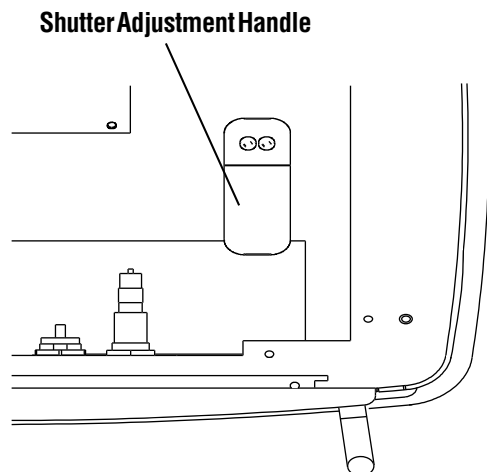


Figure 25

## Air Shutter Adjustment

**CAUTION: Air shutter is hot while the Vision™ gas stove is operating and should only be adjusted using a heat resistant glove.**

The air shutter control lever is located on the bottom of the stove directly to the left of the gas valve. The lever is linked to the primary air shutter on the main burner. The air shutter regulates the amount of primary air the burner receives and, therefore, how clean the stove burns. The air shutter should only be adjusted by a qualified gas technician. The stove should burn for about 15 minutes with the logs installed before adjusting the air shutter. Moving the lever to the left will open the shutter and turn the flames more transparent and blue. Moving the lever to the right will close the shutter and turn the flames more orange. **CAUTION: The air shutter should never be set so as to make the tips of the flames sooty or create sooting on the viewing glass, logs, or firebox ceiling. If soot begins to form after burning, the air shutter should be opened gradually until the sooting condition stops. Gas quality and gas pressure may vary, which can affect the burning characteristics of the stove.**



**Turn the handle to the left to open and to the right to close.  
Locate in lower compartment to the right of the valve.**

Figure 26

## Quiet Operation

As the Vision gas stove is burning, a number of normal operational sounds may be heard. The flow of gas through the gas valve and orifice may make a rushing or whistling noise. If this noise is objectionable, it can be reduced by turning down the flame. Turning down the flame can reduce total heat output by more than 30%. When the blower turns on, the sound of rushing air may be heard. The blower sounds may be reduced by adjusting the speed control located on the blower assembly. Also, a slight clicking sound may be heard as the gas valve or blower switch is turned on and off.

## Paint Curing

This stove has been painted with Stove Bright high temperature metallic paint. It leaves the factory dry to the touch, but completes the curing process as the stove is used. To cure the paint, burn the appliance four successive times for ten minutes each time with a five minute cool down between each firing. Also some parts of the appliance may be lightly coated with machining oil. Ventilate the house during these first firings as the paint and oil give off carbon dioxide and unpleasant odors. It is recommended that persons sensitive to an imbalance in the indoor air quality avoid the stove during the curing process.

## 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.

## Operating Options

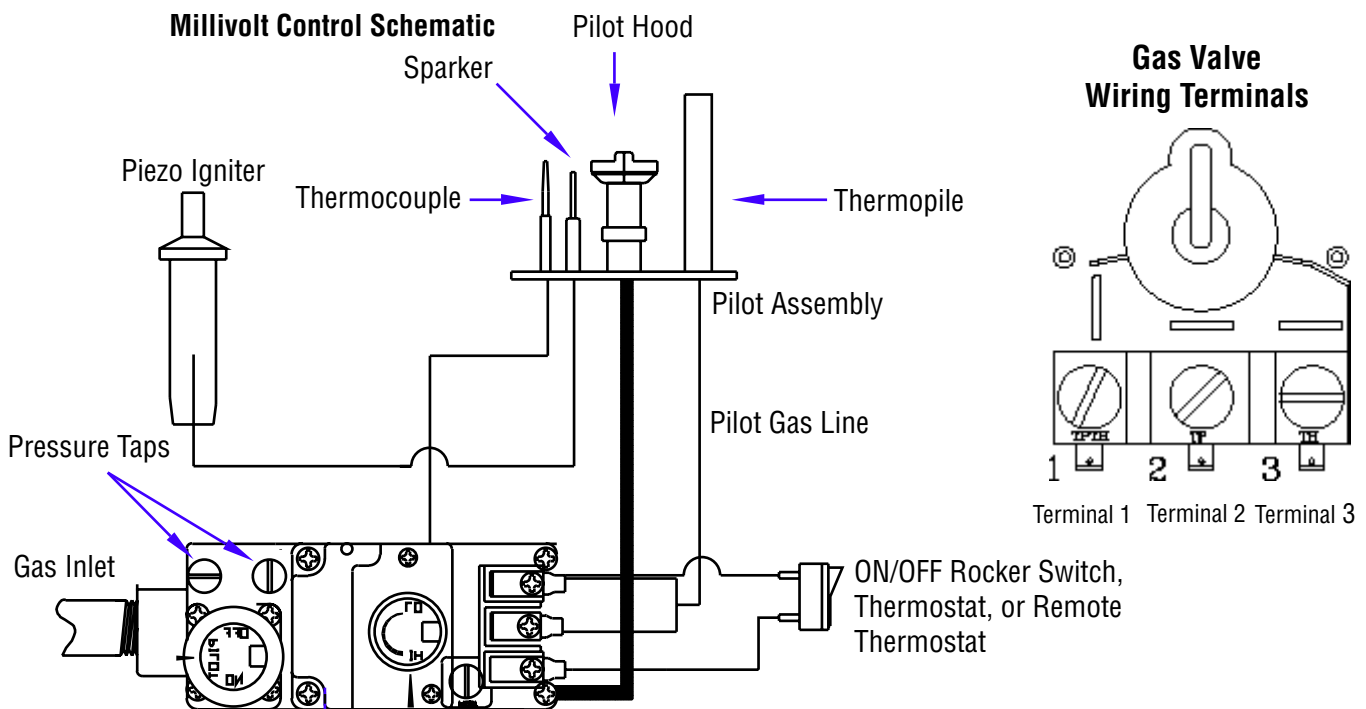
Your stove comes equipped with an “On/Off” rocker switch used to turn the burner on and off while the pilot light is on. The switch is a round rocker switch located behind the main control panel door.

A millivolt wall thermostat, or a remote control, can be used to supplement the rocker switch. The gas valve is powered by millivolts generated by the pilot assembly. This millivolt system is very sensitive to electrical resistance, therefore, make sure all connections are tight, clean and free from corrosion. Do not splice any millivolt wires. Consult the table below 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 stove (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.

## Millivolt Control System

This stove operates on a millivolt control system. As such, no additional power supply is needed for the stove to heat. The pilot assembly contains a thermocouple that, when heated by the pilot flame, generates electricity (millivolts- $mV=1/1000$  of a volt) which opens a valve allowing gas to continue flowing to the pilot assembly. The pilot assembly also contains a thermopile that, when heated by the pilot flame, generates electricity that flows to terminal #1 (labeled TPTH) on the gas valve. When the electricity is conducted from terminal #1 through the on/off switch, thermostat, or receiver of the remote control to terminal #3 (labeled TH) on the gas valve, the main burner will ignite.



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

| 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        |

Figure 27

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

## Maintenance and Servicing

### Maintenance Checklist:

The following should only be performed by a qualified service technician.

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

#### 1. Annual inspection should be made and the following checks performed:

- When unit is cool, open glass viewing door and inspect burner for dirt, soot and lint accumulations and remove if necessary. If excessive soot accumulation is present on burner, have a qualified service technician adjust burner for proper combustion.
- Clean inside of glass viewing door with gas fireplace glass cleaner. NEVER attempt to open door or clean glass when unit is hot.
- Check the hot air outlet vents for lint or other accumulations. Never block or restrict vent openings or obstruct flow of ventilation air.
- Check that direct vent pipe, air intake and flue are open and free of soot, blockage, or debris.
- Check gaskets once a year. Gaskets must be tight. Replace if necessary.
- Inspect the pilot system for proper flame. NEVER ADJUST THE PILOT until after the gas pressure has been checked and supply lines have been completely bled (this may take an hour or more when bleeding through the pilot). All pilots are checked and burned at the factory prior to shipment. The pilot adjustment screw is located to the lower left of the flame height control knob. Adjust the pilot screw to properly size the flames. The flames should completely surround the thermopile and thermocouple and extend across the main burner tube ports. Be careful not to back the screw out of its threads.
- Check that the area around the stove is kept clear and is free of combustible materials, gasoline and other flammable vapors and liquids.
- Check the millivolt system as per the table on this page.

2. The viewing glass should be cleaned periodically (see Glass Door Cleaning and Maintenance).
3. Should repairs or maintenance of the stove require the disassembly of the vent/air intake system, the reassembly and resealing should be completed by a qualified service technician and follow the instructions on Pages 11, 12 and 13 of this manual.

| 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 | 2 & 3                            | Closed              | 2.5 Ohms                |

See Figure 27 - Wiring Terminals

### Proper Pilot Flame Appearance

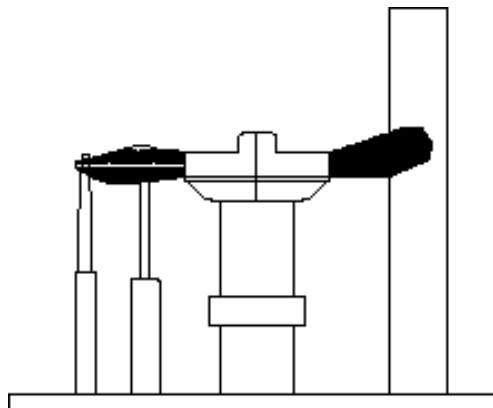


Figure 28

## Vent Pipe Maintenance

**Conduct an inspection of the venting system semiannually. Recommended areas to inspect are as follows:**

1. Check areas of the venting system which are exposed to the elements for corrosion. These will appear as rust spots, streaks, or, in extreme cases, holes. These components should immediately be replaced.
2. Remove the cap and shine a flashlight down the vent. Remove any bird nests or other foreign material.
3. Check for evidence of excessive condensate, such as water droplets forming in the inner liner and subsequently dripping out at joints. Continuous condensate can cause corrosion of caps, pipe and fittings. It may be caused by having excessive lateral runs, too many elbows, or exterior portions of the system being exposed to cold weather.
4. Inspect joints to verify that no pipe sections or fittings have been disturbed and consequently loosened. Also check mechanical supports such as wall straps or plumbers' tape for rigidity.

## Opening and Removing Door

**CAUTION: Do not open the glass door when the stove is burning. Let the unit cool before opening the door.**

Swing the front door open to access the two 5/32 screws at the top of the glass frame and remove the two screws. To remove the door, grasp it firmly with both hands and lift it up. The glass door is fragile so it is important to place it in a secure spot until reinstalled. To reinstall the door, the bottom of the door must be inserted in the slot at the bottom of the firebox.

## Glass Door Cleaning and Maintenance

**Cleaning:** When cool, the glass may be cleaned with a clean, soft cloth and glass cleaner. For cleaning white condensation from the interior glass use KEL KEM gas stove glass cleaner available from your stove dealer. Use of caustic or abrasive cleaners may damage glass. Gold or nickel plated trim must be cleaned with glass cleaner or denatured alcohol and a soft cloth before firing or fingerprints and stains will remain permanently. Never use abrasive polish to clean the gold or nickel as it will ruin the finish. DO NOT operate stove with broken glass. DO NOT clean door or glass when hot. DO NOT abuse glass door by striking or slamming shut. DO NOT use substitute materials if replacing glass. DO NOT spray commercial glass cleaner with ammonia on the door and glass gasket as it may dissolve the gasket glue.

**WARNING: Do not operate appliance with the glass panel removed, cracked, or broken. Do not remove glass door while the stove is hot. Replacement of the glass door should be done by a qualified service technician.**

**Glass Replacement:** If the glass in your door is damaged or broken, the complete door assembly (including gaskets) must be replaced using part #H5991. The replacement door assembly is available from your Lennox Hearth Products dealer. The glass is neo-ceramic and alternative types must not be used. See **Page 22** for door removal instructions.

**WARNING: Do not operate appliance with the glass panel removed, cracked, or broken. Do not remove glass door while the stove is hot. Replacement of the glass door should be done by a qualified service technician.**

## Fuel Conversion

Converting the stove between natural gas (NG) and propane (LP) can be accomplished by either changing the cassette (valve and pilot assembly) or installing a conversion kit (regulator, burner orifice and repositioning the slide orifice of the pilot). Only a qualified service technician should perform the conversion.

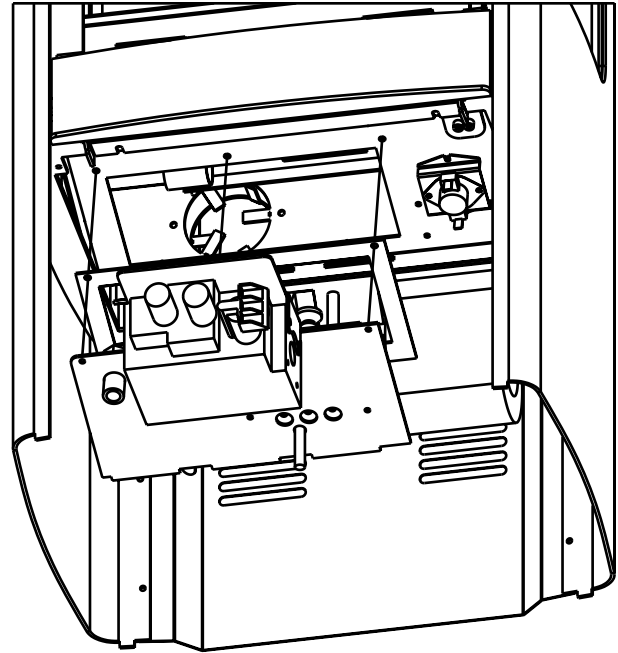
### Conversion Kit:

Please see instructions provided with conversion kit.

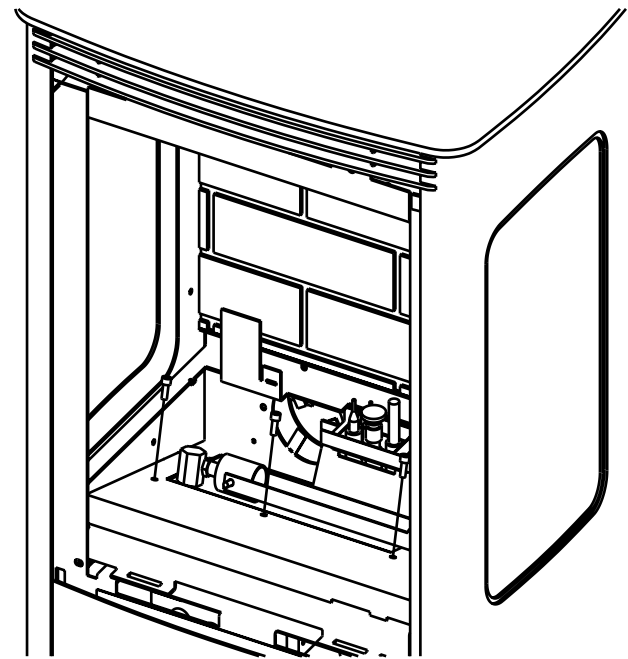
### Cassette Removal

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

1. Be sure the gas supply is shut off. The electrical supply for the blower should be shut off at the electrical panel before beginning the conversion. Disconnect the gas supply from the stove, being careful not to apply pressure to the valve in the process.
2. Remove the log set (see “Log Installation”).
3. Remove the two phillips head screws from the back of the burner.
4. Lift the right end of the burner and slide it off the orifice and shutter tube. Remove the burner from the firebox.
5. Remove the labeled cover through which the valve control knobs protrude by removing the two screws securing it and slide it off the valve knobs.
6. Mark and disconnect wires on valve terminals #1 and #3 connected to the burner on/off switch, thermostat, or remote control. Disconnect the igniter wire from the control panel.
7. From inside the firebox, remove the two allen head screws that fasten the log support in and remove the log support piece.
8. From inside the firebox, remove all three of the allen head screws (see **Figures 29 and 30**) fastening the cassette to the firebox.
9. Grasp the cassette assembly from below the firebox and lower the front edge away from the firebox.
10. Install the new, converted, or serviced cassette in the reverse order of removal. All surfaces of the cassette must be sealed to the firebox to ensure an air tight seal. Replace damaged gasket.
11. All parts and wires must be correctly reinstalled to ensure safe and proper operation of the unit.



**Figure 29**



**Figure 30**

## 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.  | Improper log or ember placement.                               | See <b>Brick Panel, Log Set and Ember Installation</b> .   |
|  | Blocked flue.  | Check for obstructions in vent pipe, check for proper restrictor setting. See <b>Flue Restrictors</b> .  |
|  | Improper air shutter setting.                                  | See <b>Air Shutter Adjustment</b> .  |
| Humming or whistling coming from fireplace.                              | Normal operating noise.  | See <b>Quiet Operation</b> . The noise may be reduced by slightly turning the flame down. Turning the flame down will reduce the heat output of the fireplace.   |
|  | Dirt in burner orifice.  | Clean orifice.   |
| A change in flame appearance or burner operation.                        | A change in gas pressure.                                      | Have your gas supplier check for correct gas pressure (7” W.C. natural gas; 11” W.C. LP gas).<br><br>See <b>Brick Panel, Log Set and Ember Installation</b> .  |
|  | Improper ember or log placement.                               |  |
| Pilot will not light.  | No gas supplied to unit.                                       | Turn on gas.   |
|  | Air in line.   | To purge, hold in control knob in pilot position for 1-2 minutes and light.  |
|  | Defective igniter (no spark at electrode).                     | Check for spark at electrode and pilot, if no spark and electrode wire is properly connected, replace igniter.   |
|  | The valve control knob is not turned to “pilot” and pushed in. | See <b>Lighting Instructions</b> .   |
| Pilot will not stay lit after carefully following lighting instructions. | Pilot flame is not surrounding thermocouple.                   | Check pilot flame adjustment (see <b>Maintenance and Servicing</b> section).   |
|  | Thermocouple not generating sufficient voltage.                | Check the connection between the thermocouple lead and the valve. Turn control knob to “pilot” and push in and light pilot. While lit, take millivolt reading at lead going into valve’s CPU. Minimum reading should be 17 millivolts. If less, replace thermocouple.  |
|  | Air in gas supply line.  | Purge air in pilot gas line by holding in control knob at “pilot” and sparking igniter. The air in the line may take up to several minutes to purge.   |
| Main burner will not burn.   | Pilot has gone out.  | See <b>Lighting Instructions</b> .   |
|  | Rocker switch or thermostat wires are defective.               | 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 or thermostat wiring is not functioning.  |
|  | Thermopile may not be generating sufficient millivolts.        | Make sure thermopile is fully engulfed by the pilot flame. Check thermopile with millivolt meter. With pilot lit and the rocker switch and thermostat off, the millivolt reading with the meter connected to valve terminals 1 and 2 should be after 2 minutes at least 325. If the thermopile lead connections are good at terminals 1 and 2 and readings are less than 325, replace faulty thermopile. |



# Wire Harness Diagram

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

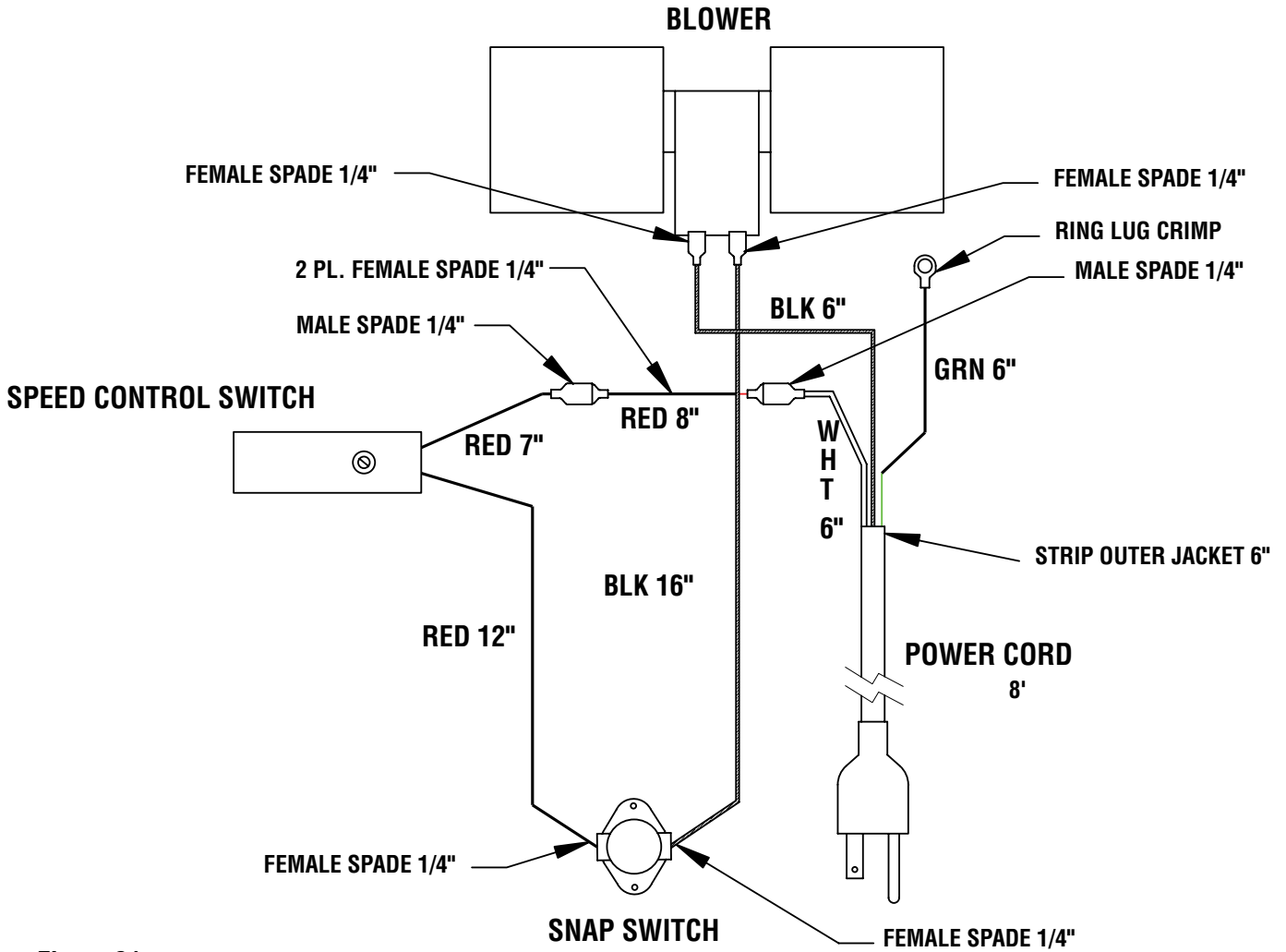


Figure 31

## Replacement Parts List

### Vision™ 25/35 (VIS25/35)

| <u>Part Number</u> | <u>Description</u>   |
|--------------------|--|
| H3136              | Cassette Assembly, NG<br>(if LP, also requires 75265 conversion kit) |
| H6034              | Burner Assembly  |
| H5922              | Pilot Assembly, NG or LP   |
| H5942              | Gas Control Valve, NG<br>(if LP, also requires H5945 LP Regulator)   |
| H5943              | Regulator, NG  |
| H5945              | Regulator, LP  |
| H5966              | Orifice, Main Burner, #42 NG, 25,000 BTU                             |
| H5967              | Orifice, Main Burner, #34 NG, 35,000 BTU                             |
| H5956              | Orifice, High Altitude, Main Burner, NG, 25,000 BTU                  |
| H5957              | Orifice, High Altitude, Main Burner, NG, 35,000 BTU                  |
| H5964              | Orifice, Main Burner, LP #53, 25,000 BTU                             |
| H5970              | Orifice, Main Burner, LP #50, 35,000 BTU                             |
| H5951              | Orifice, High Altitude, Main Burner, LP, 25,000 BTU                  |
| H5959              | Orifice, High Altitude, Main Burner, LP, 35,000 BTU                  |
| 75265              | Conversion Kit, NG to LP   |
| 75266              | Conversion Kit, LP to NG   |
| H3071              | Blower   |
| H5875              | Blower Snap Switch   |
| H5877              | Blower Speed Control (rheostat)                                      |
| H5744              | On/Off Switch  |
| H3119              | On/Off Switch Wires  |
| H5745              | Piezo Igniter  |
| H4635              | Wall Thermostat, Digital   |
| 70005              | AC Remote Control Thermostat   |
| H5660              | Power Cord   |
| H5871              | Log Set  |
| H5863              | Bag of Embers (volcanic stone)                                       |
| H5864              | Bag of Rockwool  |
| H5870              | Brick Panel  |
| H5991              | Firebox Door w/Glass   |
| H5992              | Door Assembly Side w/Glass   |
| H6011              | Flue Restrictor  |
| H6012              | Sight Obstructor   |
| H5918              | Door Hinges, 2 per Stove   |
| H5894              | Spring Handle, Gold  |
| H5895              | Spring Handle, Nickel  |
| 70K99              | Touch-Up Paint, Metallic Black (aerosol)                             |

## Accessories

| Trim Kits  |               |                                   |
|--|---------------|-----------------------------------|
| Kits Include: Matching Trim for Glass, Louvers and Ash Lip |               |                                   |
| Cat. No.   | Model         | Description                       |
| 75276  | VISN-TRIM-B-G | Black Trim/Gold Handle            |
| 75277  | VISN-TRIM-B-N | Black Trim/Nickel Handle          |
| 75274  | VISN-TRIM-G-G | Gold Trim/Gold Handle             |
| 75275  | VISN-TRIM-N-N | Brushed Nickel Trim/Nickel Handle |

| Gas Conversion Kits |                  |                         |
|---------------------|------------------|-------------------------|
| Cat. No.            | Model            | Description             |
| 75266               | VISN-CD-LP to NG | Conversion Kit LP to NG |
| 75265               | VISN-CK-NG to LP | Conversion Kit NG to LP |

| Misc. |          |                                      |
|-------|----------|--------------------------------------|
| 70005 | RT-AC    | Remote Thermostat AC                 |
| H0251 | RCL-STAT | Remote Control, Deluxe Thermostat DC |
| H4635 | DWTK     | Wall Thermostat, Digital             |

# 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.

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

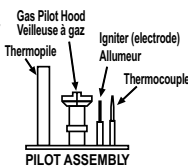
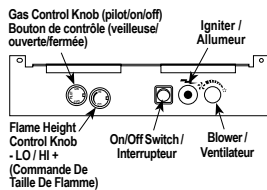
## OPERATING INSTRUCTIONS

**CAUTION:** YOUR LENNOX GAS APPLIANCE MUST ALWAYS BE OPERATED WITH GLASS DOOR IN PLACE.

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

- 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.
- Turn off all electrical power to the appliance.
- Push in Gas Control Knob slightly and turn clockwise to "OFF".  
NOTE: Knob cannot be turned from "PILOT" to "OFF" unless Knob 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 at the center bottom of the back 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 knob 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 reduced flame and counterclockwise for full flame.
  - Turn on all electrical power to the appliance.
  - 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 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./No. Pièce #36242 Rev. B, 3/08

## 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 DEVIENDRAIT ÊTRE INSTALLÉ À L'ÉCART DES ENDROITS TRÈS PASSANTS ET LOIN DES MEUBLES ET RIDEAUX. GARDEZ LA ZONE AUTOUR DU FOYER EXEMPTÉ DE MATÉRIELS COMBUSTIBLES, D'ESSENCE ET AUTRES VAPEURS ET LIQUIDES INFLAMMABLES.

- 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.
- 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. A 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.

- Ouvrir la porte du bas. 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.
- Enfoncer 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.
- Localisez le pilote au centre dans le bas de la bûche arrière. 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.
- Allumez l'alimentation électrique de l'appareil.
- Ajustez le ventilateur au volume désiré lorsque l'appareil aura atteint la température de fonctionnement.

## 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 sereinement 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

- 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».

IGN 08-0710

# Safety / Listing Label

Tested & Listed by **OMNI-US** Beaverton Oregon USA  
 OMNI-Test Laboratories, Inc.  
 Report No. / Numéro de Rapport  
 050-S-16b-5

MODEL / MODÈLE: **VISION™ 35** SERIAL NO. [ ]  
 MANUFACTURED BY / FABRIQUÉ PAR:  
**LENOX HEARTH PRODUCTS**  
 PO BOX 987  
 AUBURN, WA, USA 98071



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

MAY BE INSTALLED IN RESIDENTIAL BEDROOMS AND MANUFACTURED (MOBILE) HOMES.  
 TESTÉ SELON LA NORME ANSI Z21.88-2005/CSA 2.33-2005 «FOYER RADIANT AU GAZ», UL307b, 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/CGA-B149.1-DERNIÈRE ÉDITION (CANADA) POUR LES MAISONS MOBILES LE STANDARD DE SÉCURITÉ EST TITRE 24CFR, PART 3280 . CET APPAREIL DOIT ÊTRE INSTALLÉ SELON LES SPÉCIFICATIONS DU MANUFACTURIER.

FACTORY EQUIPPED FOR NATURAL GAS. IF CONTROL PANEL CONTRADICTS THIS LABEL, UNIT FUEL TYPE HAS BEEN CONVERTED.  
 CET APPAREIL EST MUNI D'ÉQUIPEMENT POUR L'USAGE DU GAZ NATUREL. SI L'ÉTIQUETTE DU PANNEAU DES COMMANDES CONTRENT CETTE ÉTIQUETTE, C'EST QUE LE TYPE DE CARBURANT DE CET APPAREIL A ÉTÉ CONVERTI.

## VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUEL

MAY BE INSTALLED IN RESIDENTIAL BEDROOMS AND MANUFACTURED (MOBILE) HOMES.  
 TESTED TO ANSI Z21.88-2005/CSA 2.33-2005 "VENTED GAS FIREPLACE HEATERS", UL307b, 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/CGA B149.1-LATEST EDITION (CANADA) AND SAFETY STANDARD, TITLE 24 CFR, PART 3280 FOR MOBILE HOMES. ALSO, APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE RATING PLATE AND MAY BE INSTALLED IN AN AFTERMARKET, PERMANENTLY LOCATED, MANUFACTURED (MOBILE) HOME WHERE NOT PROHIBITED BY LOCAL CODES. 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 (USA) OR CSA C22-1-LATEST EDITION (CANADA).

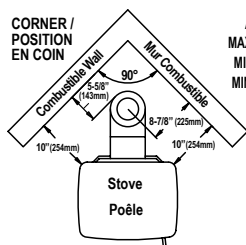
| RATINGS                                  | Model VISION 35 |               | Model VISION 25 |               |
|--|-----------------|---------------|-----------------|---------------|
|  | NATURAL GAS     | LP GAS        | NATURAL GAS     | LP GAS        |
| MAX/MIN INPUT BTUH 0-2,000 FT (0-610 M)* | 35,000/23,000   | 35,000/23,500 | 25,000/17,500   | 25,000/18,000 |
| MANIFOLD PRESSURE (IN. WC)               | 3.5             | 10.0          | 3.5             | 10.0          |
| MIN. INLET PRESSURE (IN. WC)             | 5.0             | 11            | 5.0             | 11            |
| ORIFICE (DMS) 0-2,000 FT (0-610 M)*      | #34/.111 IN.    | #50/.070 IN.  | #42/.093 IN.    | #53/.059 IN.  |

\*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

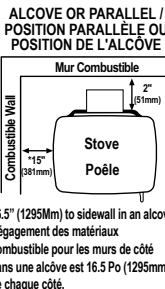
VENTING: THIS APPLIANCE MUST BE PROPERLY CONNECTED TO A VENTING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR APPROVED PIPE BRANDS AND PIPE SEALING PROCEDURES.  
 FOR ALTITUDES ABOVE 2,000 FT/610M (IN CANADA 4500 FT/1370M) DE-RATE THE APPLIANCE BY FOUR (4)% FOR EVERY 1,000 FT (405 M).

THIS VENTED GAS FIREPLACE HEATER IS NOT FOR USE WITH AIR FILTERS.

## MINIMUM CLEARANCES TO COMBUSTIBLES IN INCHES / DÉGAGEMENTS AUX COMBUSTIBLES - POUÇES



ALCOVE DIMENSIONS - DIMENSIONS - ALCOVE  
 MAXIMUM DEPTH / PROFONDEUR MAXIMUM 35" (889mm)  
 MINIMUM WIDTH / LARGEUR MAXIMUM 51" (1295mm)  
 MINIMUM HEIGHT / HAUTEUR MAXIMUM 46" (1168mm)  
 SEE OWNER'S MANUAL FOR OTHER ALCOVE CLEARANCE CONFIGURATIONS.  
 RÉFÉREZ-VOUS AU MANUEL D'INSTALLATION POUR TOUT AUTRE DÉGAGEMENT REQUIS.  
 HEARTH PROTECTION  
 SEE INSTRUCTION MANUAL.  
 PROTECTIONS AU PANCHER : RÉFÉREZ-VOUS AU MANUEL D'INSTALLATION.



\* 16.5" (419mm) to sidewall in an alcove  
 \* Dégagement des matériaux Combustible pour les murs de côté Dans une alcove est 16.5 Po (419mm) De chaque côté.

**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.

Part No. / No. Pièce #36242 Rev. B, 3/08 DO NOT REMOVE OR COVER THIS LABEL MADE IN U.S.A.

CET APPAREIL DOIT ÊTRE UTILISÉ AVEC LE TYPE DE GAZ INDICÉ SUR LA PLAQUE SIGNALÉTIQUE ET PEUT ÊTRE INSTALLÉ DANS UNE MAISON PRÉUSINÉE OU DANS UNE MAISON MOBILE FIXE, LÀ OÙ LES CODES RÉGIONAUX LE PERMETTENT. VOIR LE MANUEL D'ENTRETIEN POUR PLUS DE DÉTAILS. 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 ANS/NFPA 70 OU CSA C22-1.

| SPÉCIFICATIONS                                 | Modèle VISION 35 |             | Modèle VISION 25 |             |
|--|------------------|-------------|------------------|-------------|
|  | GAZ NATUREL      | GAZ PROPANE | GAZ NATUREL      | GAZ PROPANE |
| ENTRÉE MAX/MIN BTU/HR 0-4500 pi (0-1370 M)*    | 35000/23000      | 35000/23500 | 25000/17500      | 25000/18000 |
| PRESSION À LA SORTIE (IN. WC/C.E.)             | 3.5              | 10.0        | 3.5              | 10.0        |
| PRESSION MINIMUM D'ENTRÉE DU GAZ (IN. WC/C.E.) | 5.0              | 11          | 5.0              | 11          |
| ORIFICE (DMS) 0-4500 pi (0-1370 M)*            | #34/.111"        | #50/.070"   | #42/.093"        | #53/.059"   |

\* L'APPAREIL PRÉUSINÉ EST MUNI D'ÉQUIPEMENT POUR 0-2000 PIEDS (0-610 M), AU CANADA 0-4500 PIEDS (0-1370M), SPÉCIFICATIONS ÉLECTRIQUE 120 VCA, 60 HZ, MOINS DE 2 AMPÈRES

CONDUIT: CET APPAREIL DOIT ÊTRE INSTALLÉ SEULEMENT AVEC UN CONDUIT D'ÉVACUATION RECOMMANDÉ PAR LE MANUFACTURIER. TOUJOURS SE RÉFÉRER AU MANUEL D'INSTALLATION.

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).

CE FOYER RADIANT AU GAZ À ÉVACUATION N'EST PAS ÇONÇU POUR ÊTRE UTILISÉ AVEC DES FILTRES À AIR.

**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 MATÉRIAUX 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 VITRÉ 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 BRISÉE. 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.

## DATE OF MANUFACTURE / DATE DE FABRICATION

|                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2008                     | 2009                     | 2010                     | 2011                     | JAN                      | FEB                      | MAR                      | APR                      | MAY                      | JUN                      | JUL                      | AUG                      | SEP                      | OCT                      | NOV                      | DEC                      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

NE PAS RETIRER CETTE ÉTIQUETTE

Fabriqué aux U.S.A.

IGN 08-0710

## WARRANTY

Your gas stove 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 26** 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

1110 West Taft Avenue

Orange, CA 92865

Visit us at [www.Lennox.com](http://www.Lennox.com)

Your Fireplace Stoves's Model Number \_\_\_\_\_

Your Stove's Serial Number \_\_\_\_\_

The Date On Which Your Stove Was Installed \_\_\_\_\_

The Type of Gas Your Stove Uses \_\_\_\_\_

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

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

NATIONAL  
FIREPLACE  
INSTITUTE



CERTIFIED  
[www.nficertified.org](http://www.nficertified.org)

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.

NATIONAL  
FIREPLACE  
INSTITUTE



CERTIFIED  
[www.nficertified.org](http://www.nficertified.org)

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™ 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.

**LENNOX**<sup>TM</sup>

**HEARTH PRODUCTS**

1110 West Taft Avenue • Orange, CA 92865