



INSTALLATION AND OPERATION MANUAL

FREESTANDING
VENTED GAS
FIREPLACE
HEATERS



MODEL CI 30 SERIES

P/N 504226M, Rev. C, 12/01

WARNING

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

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

WHAT TO DO IF YOU SMELL GAS

- * Do not try to light any appliance.
- * Do not touch any electrical switch.
- * Do not use any phone in your building.
- * Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- * If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or gas supplier. This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.



Table of Contents / CI 30 Specifications

Specifications	2
Requirements	3
General	3
Combustion Air	3
Location Selection	4
Installation Clearances	4
Shipping and Packing List	5
Assembly	5
Gas Piping	8
Log Placement	9
Electrical Connections	11
Venting	12
Unit Start-Up	17
Adjustments	18
Maintenance	19
Troubleshooting Guide	21
Repair Parts Listing	22
Venting Kits and Available Components	23
Safety / Listing Label	24
Ownership Records / Service Log	25

CONGRATULATIONS ON THE PURCHASE OF YOUR NEW GAS APPLIANCE MANUFACTURED BY LENNOX HEARTH PRODUCTS.

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

It is our goal at Lennox Hearth Products to provide you, our valued customer, with an appliance that will ensure you years of trouble free warmth and pleasure.

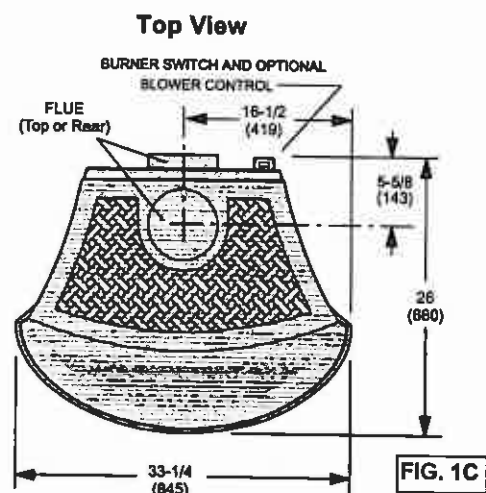
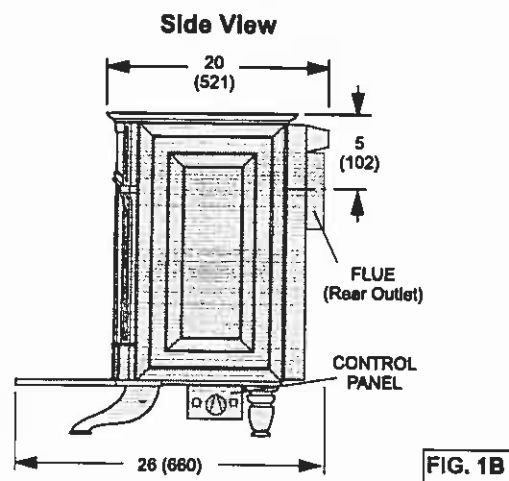
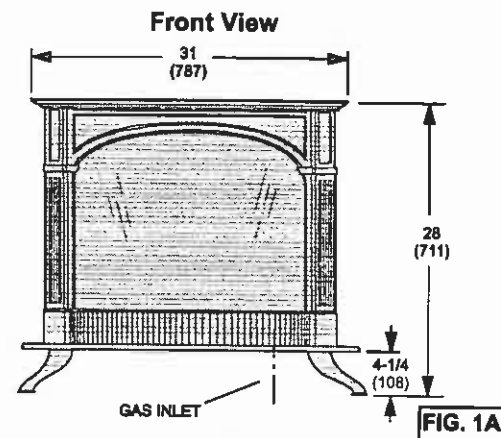
Thank you for selecting a Lennox Hearth Products gas fired heater as the answer to your home heating needs.

Sincerely,
All of us at Lennox Hearth Products

The CI 30 Series fireplaces are sealed-combustion (direct-vent), heat-circulating gas appliances. The appliances utilize a 100 percent safety shut-off gas control with a piezo ignition system. The millivolt gas valve used in the CI 30 Series fireplaces is self-powered and does not require power wiring. Models equipped with an optional forced air fan assembly will require a 120-volt electrical connection. In addition to the forced air fan assembly, a wall thermostat and a handheld remote control are available as options. The CI 30 cast-iron fireplace is available with either a matte or enamel black finish.

The fireplace is equipped with a flexible gas connector for bottom entry of the gas supply. The CI 30 Series fireplaces are factory-equipped for use with natural gas; however, the appliance may be converted for use with propane gas using the provided conversion kit.

CI 30 SERIES DIMENSIONS



Vent Brands:

This appliance is listed for installation with Security Secure Vent chimney or Simpson Dura Vent brand chimney only. Other brands may not be used. See page 23.

This appliance must be vented to the outside and must not be connected to a flue servicing a solid-fuel-burning appliance.

Vent connections can be made either at the rear of the appliance, or the appliance may be converted for vent connections at the top of the appliance. The CI 30 may be vented using horizontal or vertical vent components. In either case only approve Lennox venting components may be used (listed on page 23).

Do not attempt to alter or modify the construction of the appliance or venting components. Any modification or alteration of construction will void the warranty, certification and approval of this appliance. Burner operation can be controlled by a unit- or wall-mounted ON / OFF switch, or an approve thermostat.

Flame appearance and heat output can be controlled by adjusting the flame regulator (HI / LO) knob on the manually modulated gas valve.

Requirements

Lennox Elite™ Series direct vent gas fireplace heaters are American Gas Association (AGA) and Canadian Gas Association (CGA) certified. This gas appliance has been tested according to ANSI Z21.88b – 1999 and CSA 2.33b – M99.

Installation of the Lennox CI30 gas appliances must conform to local building codes. In the absence of local codes, units must be installed according to the current National Fuel Gas Code (ANSI Z223.1) in the United States. The National Fuel Gas Code is available from:

American National Standards Institute, Inc.
11 West 42nd Street
New York, NY 10036

In Canada, installation must conform to current National Standard of Canada CAN / CGA – B149.1 "Installation Code for Natural Gas Burning Appliances and Equipment" and CAN / CGA – B149.2 "Installation Code for Propane Gas Burning Appliance and Equipment" and other applicable local codes.

Maintain manifold pressure of 3.5 in. w.c. (0.87 kPa) for natural gas and 10 in. w.c. (2.49 kPa) for LP / Propane gas.

High Altitude: Gas inputs shown are for elevations up to 4500 feet. For elevations above 4500 feet, contact your gas supplier or qualified service technician regarding the necessary deration of appliance (deration: replacing burner orifice with a smaller one to reduce input). Ratings must be reduced at the rate of 4 percent for each 1,000 feet above sea level. Refer to (for USA) NFPA 54 / ANSI Z223.1-latest edition for orifice resizing.

This fireplace is AGA and CGA certified for installation clearances to combustible material as listed on the appliance rating plate and in figure 2. Accessibility and service clearances must take precedence over fire protection clearances.

Note – If this appliance is to be installed on carpeting, tile, or other combustible material other than wood flooring, the appliance must be installed on a metal or

wood panel extending at least the full width and depth of the appliance

The fireplace must be installed so the electrical components (if applicable) are protected from water.

When the optional forced air fan assembly is installed, the three-prong (grounding) plug must be used without modification. It must be plugged into a properly grounded receptacle to ensure safety and to conform to local codes. In addition, in the United States, installation must conform to the current National Electric Code, ANSI / NFPA No. 70. The national Electric Code (ANSI / NFPA no. 70) is available from:

National Fire Protection Association
1 Battery March Park
Quincy, MA 02269

In Canada, all electrical wiring and grounding for the unit must be according to the current regulations of the Canadian Electrical Code Part 1 (C.S.A. Standard C22.1) and / or local codes.

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.

General

These instructions are intended as a general guide and do not supersede local codes in any way. Consult authorities having jurisdiction before installation.

1. This appliance is certified for use with the factory installed glass panel only. Do not operate the appliance if the glass is broken or cracked or if the glass has been removed. Striking the glass panel may result in glass breakage. Replacement glass panel must be ordered from Lennox and should only be installed by a qualified service technician.
2. All parts removed for servicing should be replaced before operating the appliance.
3. Solid fuel must not be used with this appliance.
4. Surface temperatures on the appliance are very high. Make sure that both children and adults are aware of the danger of burns or clothing ignition.
5. Warn the homeowner against leaving young children unsupervised in the room with the appliance.
6. Due to high temperatures, locate the appliance out of traffic and away from furniture and draperies.
7. Instruct the homeowner not to leave damp or wet clothing or other flammable material to dry on or near the appliance.
8. Keep the appliance area clear and free of combustible materials, gasoline and other flammable vapors and liquids.
9. On initial start-up, operate the appliance continuously for 1 to 2 hours on the high flame setting. During this period, make sure that the room is well ventilated. This "break-in" procedure is required to burn off the odors associated with a new fireplace.

Combustion Air

This Lennox CI 30 gas fireplace has been designed to use 100 percent outside air for combustion.

⚠ WARNING

Do not install appliance in a corrosive or contaminated atmosphere. Meet all combustion and ventilation air requirements, as well as all local codes.

Location Selection

The CI 30 fireplace should be installed out of direct sunlight to maximize the glow effect of the embers. Also, consider the following when selecting a location for the Lennox gas fireplace:

- 1 - All requirements indicated in the venting section must be met. This includes restrictions on vent lengths and vent termination locations.

NOTE - The CI 30 fireplace is shipped from the factory ready for connection of venting components at the rear of the appliance. The appliance may be modified in the field to accommodate vent connections at the top of the fireplace.

- 2 - Center appliance between two wall studs, if possible, to simplify venting.

- 3 - If optional blower is to be used, consider availability of a grounded 120V power receptacle.
- 4 - Air circulation patterns should be unobstructed.
- 5 - Do not install appliance directly on carpeting.
- 6 - If fireplace is to be installed on tile or other combustible material other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the base.
- 7 - Provide a minimum 3 ft. (.9m) clearance in front of the appliance for service and proper operation.

Installation Clearances

Clearances to Combustibles

The Lennox CI 30 direct vent gas fireplace is approved with clearances to combustible materials as detailed in figure 2.

Mantel Clearances

A vertical installation clearance of 12 inches (305mm) is required from the top of the fireplace to a mantel constructed of combustible material. Mantels constructed of non-combustible materials may be installed at any height above the appliance opening.

NOTE - Paint or lacquer used to finish the mantel must be heat resistant in order to avoid discoloration.

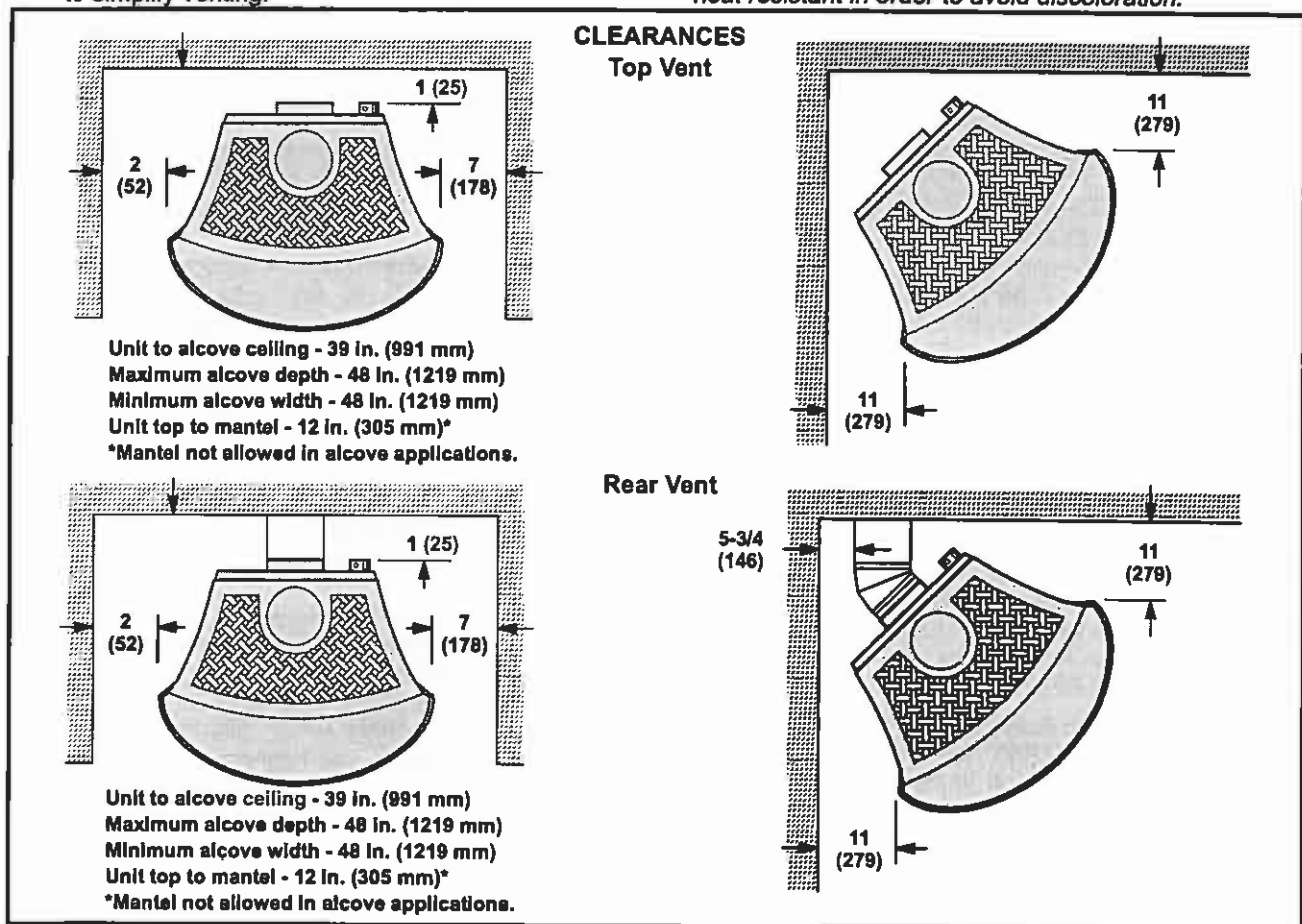


FIGURE 2

Shipping and Packing List

Packaging consists of 3 cartons:

- 1 - Box containing:
 - 1 - Front plate
 - 2 - Side plates
 - 1 - Top plate
 - 2 - Andirons
- 1 - Box containing:
 - 1 - Firebox assembly (includes bottom plate with legs, back panel and burner assembly)
 - 1 - Bag assembly containing:
 - 1 - Package of wool fiber ember material
 - 10 - 1/4" - 20 X 1/2" Phillips-head screws
 - 4 - 1/4" - 20 X 1/2" Hex-head screws
 - 4 - 1/4" - 20 X 3/4" Phillips-head screws
 - 6 - #8 X 1/2 Hex-head screws
 - 2 - #8 X 1/2 black Tek screws
 - 4 - Side panel assembly brackets
 - 2 - Front panel assembly tabs
 - 1 - LP conversion kit
 - 1 - Andiron bracket
 - 1 - Rear cover plate
 - 1 - Restrictor plate
 - 1 - Restrictor plate gasket
- 1 - Box containing:
 - 1 - Log set (3 ceramic-fiber logs)

Check for shipping damage. The receiving party should contact last carrier immediately if any shipping damage is found.

All venting components are ordered and shipped separately.

Assembly

NOTE - Before the fireplace is assembled and installed, you must consider whether the unit must be converted for use with propane gas. You must also consider the vent length requirements and whether the appliance must be converted for use with top vent connections.

- 1 - Carefully remove fireplace components from the packaging.
- 2 - Release the two top latches that secure the glass/frame assembly to the firebox. Lift the latch securing screws from the slots on the glass frame. See figure 3. Ease the glass/frame assembly outward from the top and carefully lift the frame out of the three channels at the bottom. Set the glass/frame assembly aside in a safe place.

NOTE - Hold both the viewing glass and frame when removing the glass/frame assembly. The glass and frame are not secured together in any way.

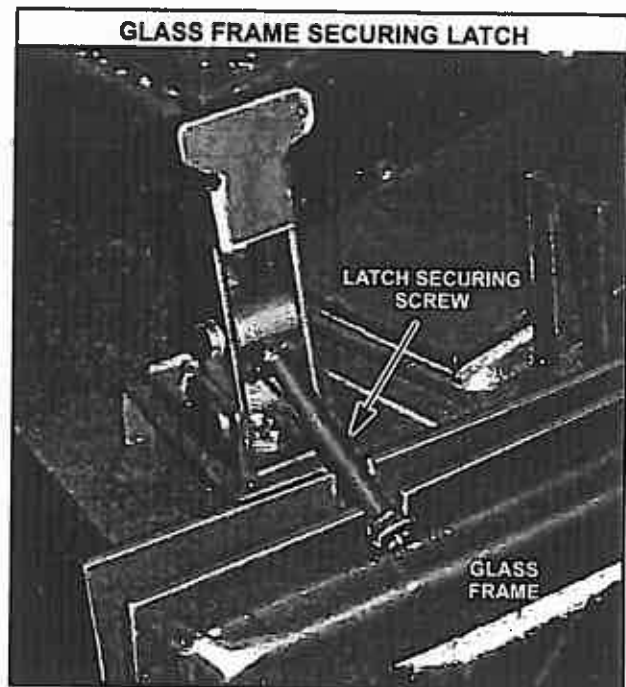


FIGURE 3

- 3 - Remove the bag assembly and andiron bracket from the inside of the firebox.
- 4 - Remove the two screws that secure each of the four shipping brackets to the wooden crate. Remove the screw that secures each shipping bracket to the bottom plate of the firebox assembly. Remove the shipping brackets and reinstall the four screws in the assembly brackets to secure them to the firebox assembly bottom plate.
- 5 - Lift the unit off of the shipping pallet and move it near the final installation location.
- 6 - Remove the sheet metal back panel and set it aside. Take care not to disturb wiring connections between the gas valve and the rocker switch.
- 7 - **Rear venting applications using a snorkel termination only** - Remove the three screws which hold the cast iron fireback (with embossed Lennox name) in place. Carefully remove the fireback. Remove the three screws securing the air baffle to the upper rear section of the firebox. Remove the baffle and reinstall the screws. Reinstall the cast iron fireback (unless the fireplace is to be converted for use with LP gas).

NOTE - If the fireplace is going to be installed in a natural gas application requiring rear connection of venting components, skip the following two sections and proceed with step 7. If conversion is required, perform one or both of the conversion procedures which follow.

Conversion for Use with LP Gas

⚠ WARNING

Conversion components must be installed by a qualified service agency in accordance with these instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in these instructions.

Follow this procedure to convert the appliance for use with LP gas. **The fireplace must be converted using the provided components if LP gas will be used.** Refer to figure 4 to identify firebox components.



FIGURE 4

- Remove the three screws which hold the cast iron fireback (with Lennox embossing) in place. Carefully remove the fireback.
- Remove the six screws which hold the rear log support bracket in place and remove the bracket from the firebox.
- Slide the rear burner to the right and lift it up and out of the firebox.
- Slide the front burner about 1/4" toward the rear of the firebox. Tilt the burner back slightly, then lift it up and out of the firebox.
- Remove the two screws holding the air shutter box in place. Remove the acorn nut from the 3" bolt that secures the air shutter box rear flap to the bottom of the box. Access the acorn nut underneath the rear of the fireplace. Remove the air shutter box.

- Remove the existing burner orifices and replace them with the two orifices provided in the bag assembly. The orifice with the larger hole should be installed so that it serves the rear burner. The orifice with the smaller hole serves the front burner. See figure 5.

IDENTIFICATION OF BURNER ORIFICES

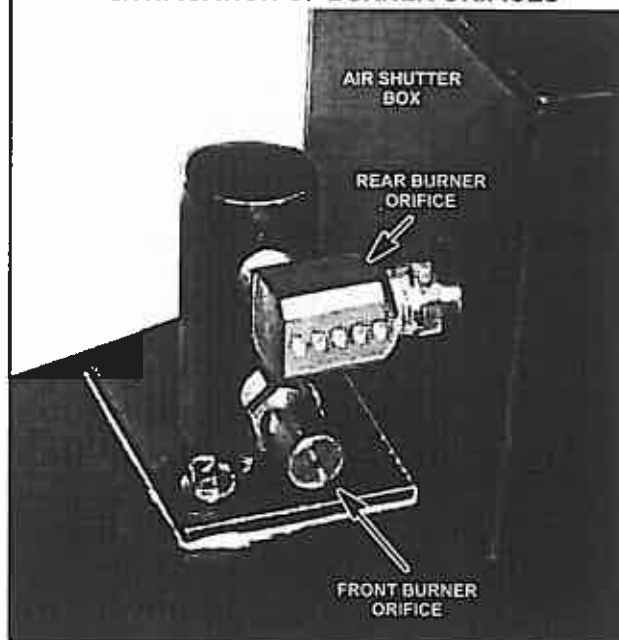


FIGURE 5

- Carefully regard the position of the pilot. (It must be returned to this exact position after the orifice has been replaced.) Use a wrench to remove the pilot from the pilot/sensor assembly. Replace the existing pilot orifice using the orifice provided in the bag assembly. Reinstall the pilot and make sure it is properly oriented. See figure 6.

PILOT ASSEMBLY

NOTE - The pilot guard has been removed for clarity.



FIGURE 6

NOTE - If the pilot guard is dislodged or disturbed in any way, make sure that it is returned to its original position.

- h - Reinstall the air shutter box and its rear flap.
- i - Adjust the front burner air shutter so that it is open 1/8" as shown in figure 7. Reinstall the front and rear burners.

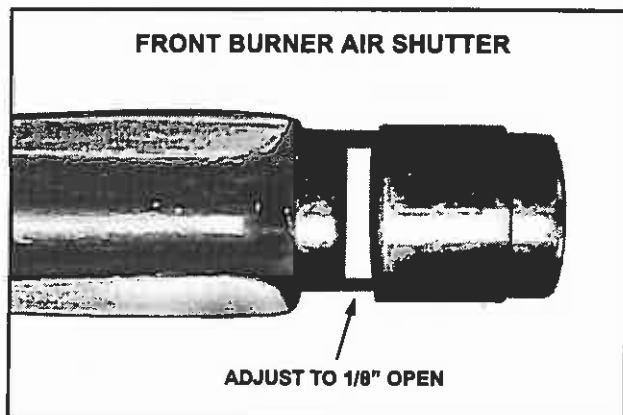


FIGURE 7

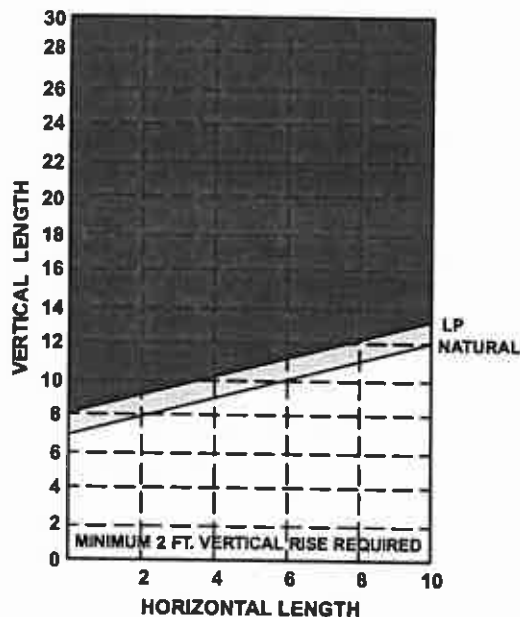
- j - Reinstall the rear log support bracket in the firebox.
- k - Reinstall the cast iron fireback.
- l - Locate the gas valve underneath the fireplace on the right side. Remove the two screws that secure the gas valve cover plate to its mounting bracket. Remove the valve cover plate.
- m - Remove the gray cap which covers the flame regulator (HI/LO) knob. Remove the blue natural gas adjusting screw and install the red replacement screw required for use with LP gas.
NOTE - Do not remove the spring. The spring is not removed or replaced during the conversion.
- n - Replace the gray adjusting screw cap.
- o - Apply the appropriate yellow conversion sticker (provided in the conversion kit bag assembly) to the gas valve. Reinstall the gas valve cover plate.

Conversion for Top Connection of Venting Components

The CI 30 is factory-assembled for installation in applications requiring rear connection of venting components. The appliance must be converted for top connection of venting components. In addition, a restrictor plate must be installed in some applications to ensure proper burner operation. Refer to figures 8 and 9.

- a - Remove the four screws securing the 6-5/8" air inlet collar to the back of the appliance. Remove the collar.
- b - Remove the four screws securing the 4" flue collar to the back of the appliance. Remove the flue collar.
- c - Remove the four screws securing the 6-5/8" cover plate to the top of the appliance.
- d - Remove the four screws securing the 4" cover plate to the top of the appliance.
- e - Use the existing screws to install first the 4" cover plate and then the 6-5/8" cover plate and their corresponding gaskets on the back of the appliance.
- f - Use the existing screws to install the 4" flue collar on the top of the appliance.
- g - The need for the restrictor plate is based on the length of the horizontal and vertical vent piping runs. Compare the vent length requirements of the application to the chart below. Install the restrictor plate and its gasket, if necessary.

RESTRICTOR PLATE REQUIREMENTS



LEGEND

- NO RESTRICTOR PLATE REQUIRED
- RESTRICTOR PLATE REQUIRED IN NATURAL GAS APPLICATIONS ONLY.

FIGURE 8

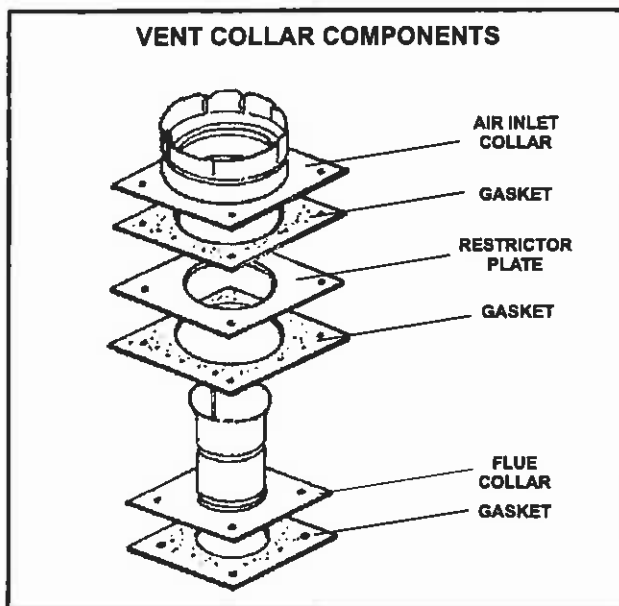


FIGURE 9

- h - Use the existing screws to install the 6-5/8" air inlet collar on the top of the appliance.
- i - Use two of the provided #8 - 1/2" black tek screws to install the louvered cover plate on the fireplace back panel which has been set aside.
- j - Remove the two 1/4" - 20 X 1/2" Phillips-head screws securing the cast iron cover plate to the top plate. Carefully remove the vent cover.
- 8 - Locate the two side plates and use 1/4" - 20 X 1/2" Phillips-head screws to install two assembly brackets on the bottom corners of each plate as shown in figure 10. Install a 1/4" - 20 X 1/2" hex-head screw in each of the two holes along the rear edge of each of the side plates. Tighten the screws, then back them out just enough to accommodate the thickness of the back panel (approximately 1/16").

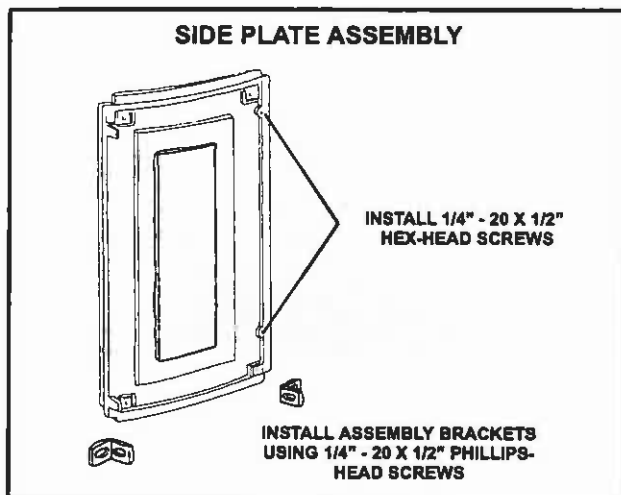


FIGURE 10

- 9 - Lift one of the side plates and align the side plate bracket with the assembly brackets that were factory-installed on the firebox base plate. Secure the side plate to the bottom plate using two of the provided 1/4" - 20 X 3/4" hex-head screws. Gently rest the installed side plate on the firebox assembly and install the other side plate.
- 10 - Ease the back panel over the vent adapter (if rear vent exit is being applied). Guide the slots on each side of the back panel over the two 1/4" - 20 X 1/4" hex-head screws installed earlier in the side plates. Slide the back panel down, locking it in place.
- 11 - Use a wrench inserted from the top to tighten the upper hex-head screw on each side plate. This will ensure a secure installation of the back panel.

Gas Piping

Gas piping must conform with local and national codes. The Lennox CI 30 is shipped ready for gas piping connections at the bottom of the appliance. The gas valve inlet has a 3/8" male flare fitting and is factory equipped with a flexible 12 in. (305mm) stainless steel gas connector.

- 1 - Connect gas supply to flexible gas connector.

CAUTION

To avoid pipe compounds from entering system, apply compounds only to male pipe threads. Do not apply compound to the first two threads.

- 2 - When connecting gas supply, factors such as length of run, number of fittings and appliance rating (if applicable) must be considered to avoid excessive pressure drop. Recommended gas piping diameter is listed in table 1.

TABLE 1

Pipe Length	Schedule 40 Pipe Inside Diameter		Type L Tubing Outside Diameter	
	Natural	LP	Natural	LP
0 - 10 ft. (0 - 3m)	1/2 in. (1.3cm)	3/8 in. (1.0cm)	1/2 in. (1.3cm)	3/8 in. (1.0cm)
10 - 40 ft. (3 - 12m)	1/2 in. (1.3cm)	1/2 in. (1.3cm)	5/8 in. (1.6cm)	1/2 in. (1.3cm)
40 - 100 ft. (12 - 30.5m)	1/2 in. (1.3cm)	1/2 in. (1.3cm)	3/4 in. (2.0cm)	1/2 in. (1.3cm)
100 - 150 ft. (30.5 - 46m)	3/4 in. (2.0cm)	1/2 in. (1.3cm)	7/8 in. (2.3cm)	3/4 in. (2.0cm)

- 3 - Gas piping must not run in or through air ducts, clothes chutes, chimneys or gas vents, dumb waiters or elevator shafts.
- 4 - Piping should be sloped 1/4 inch per 15 feet upward toward the meter from the appliance. The piping must be supported at proper intervals (every 8 to 10 feet) using suitable hangers or straps.

- 5 - In some localities, codes may require installation of an equipment shut-off valve and union (both furnished by installer) external to the unit. Union must be of the ground joint type. See figure 11.

⚠ IMPORTANT

Compounds used on threaded joints of gas piping must be resistant to the actions of liquified petroleum gases.

NOTE - In case emergency shutoff is required, close equipment shut-off valve and disconnect main power to unit. These devices should be properly labeled by the installer.

The appliance must be isolated from the gas supply system by closing its equipment shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.48 kPa).

The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of the gas supply system at test pressures in excess of 1/2 psig (3.48 kPa). See figure 11.

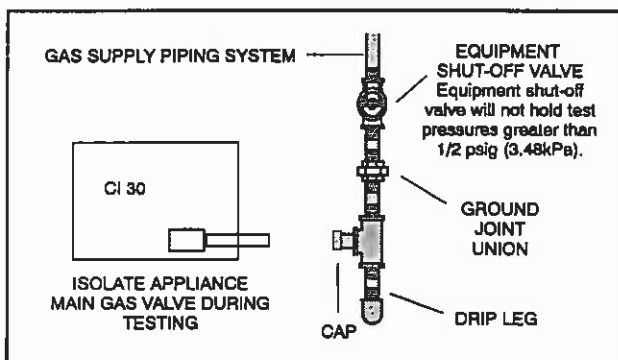


FIGURE 11

LEAK CHECK

After gas piping is completed, carefully check all piping connections (factory and field) for gas leaks. Use a leak detecting solution or other preferred means.

⚠ CAUTION

Some soaps used for leak detection are corrosive to certain metals. Carefully rinse piping thoroughly after leak test has been completed. Do not use matches, candles, flame or other sources of ignition to check for gas leaks.

⚠ IMPORTANT

Appliance gas valves can be damaged if subjected to more than 1/2 psig (3.48 kPa) pressure. Therefore, when pressure testing the gas supply piping system in this pressure range, the appliance gas valve must be disconnected and isolated.

PILOT FLAME CHECK

- 1 - Light pilot as outlined light instructions on page 17.
- 2 - Observe pilot flame. A torch-like flame should extend from each of the four pilot hoods as shown in figure 12. If flame does not appear as shown, follow procedures outlined in troubleshooting section which begins on page 21. Do not attempt to operate the appliance without proper pilot flame.
- 3 - Turn the gas valve control knob to the "OFF" position and allow the unit to cool before continuing.

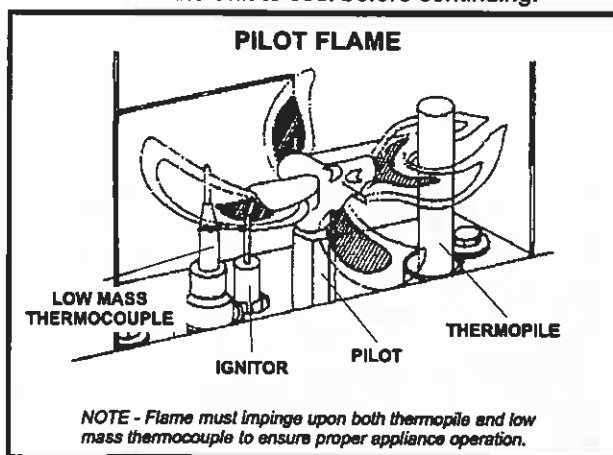


FIGURE 12

Log Placement

- 1 - Secure the two andirons to the andiron bracket using two 1/4" - 20 X 1/2" Phillips-head screws. Refer to figure 13. Place the andiron/bracket assembly in the firebox as shown in figure 14.

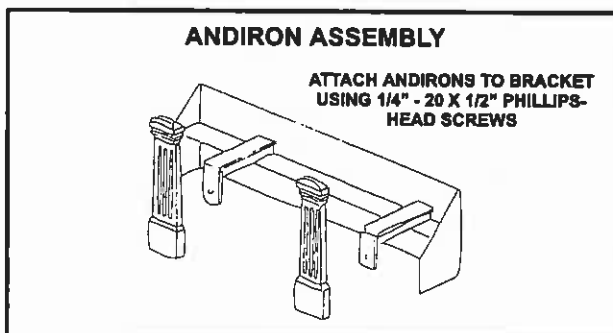


FIGURE 13

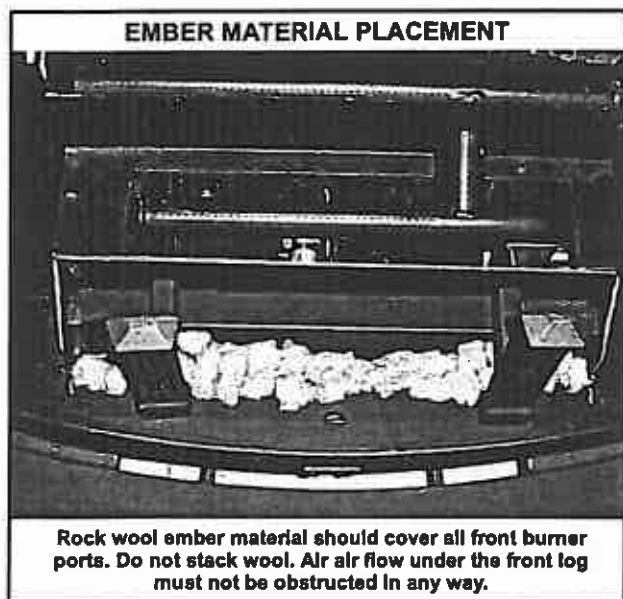


FIGURE 14

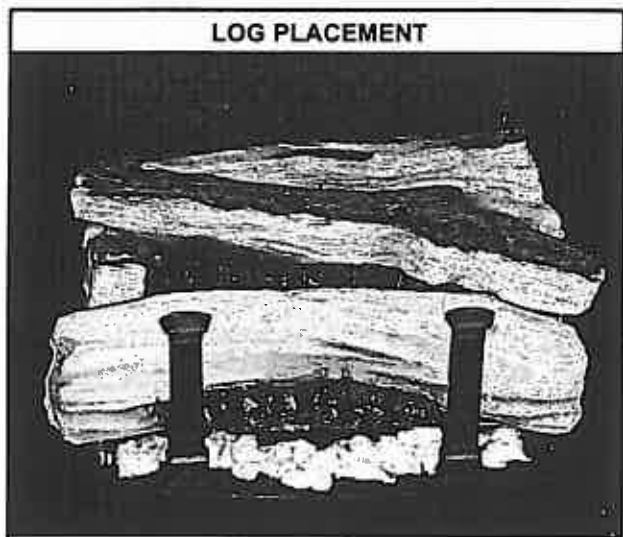


FIGURE 15

- 2 - Install the rear log. It should rest firmly against the fireback and should be centered left-to-right on the mounting bracket. When it is properly aligned, firmly coax it downward into position.
- 3 - Install the front log. Slide it forward so that it rests against the andirons. It too should be straight and centered left-to-right on the mounting bracket.
- 4 - Install the center log. The notches in the log should be aligned with the screws and the burner tubing. If not, the log will not seat properly. Adjust the front log

backward, so that it rests firmly against the andiron bracket. There should be a 1/8" space between the properly placed front log and the andirons.

- 5 - Separate half of the rock wool ember material provided in the bag assembly. Break the wool into dime-sized pieces and distribute the pieces evenly in a single layer over the burner ports in the front burner. All of the burner ports should be covered; however, the ember material should not be stacked so high that it blocks the flow of air between the embers and the front log. **DO NOT** place any ember material along the back of the burner. The remaining ember material should be retained for use as replacement at a later date.
- 6 - Carefully guide the bottom edge of the glass/frame assembly into the three channels in front of the firebox. Make sure that the slots on the top of the frame are aligned with the slots on upper edge of the firebox. Guide the latch securing screws into the slots on either side of the glass/frame assembly. Fold the two latches back to form a tight seal between the glass/frame assembly and the firebox.
- 7 - Use two of the provided 1/4" - 20 X 1/2" Phillips-head screws to install two front plate assembly tabs on the front plate as shown in figure 16.

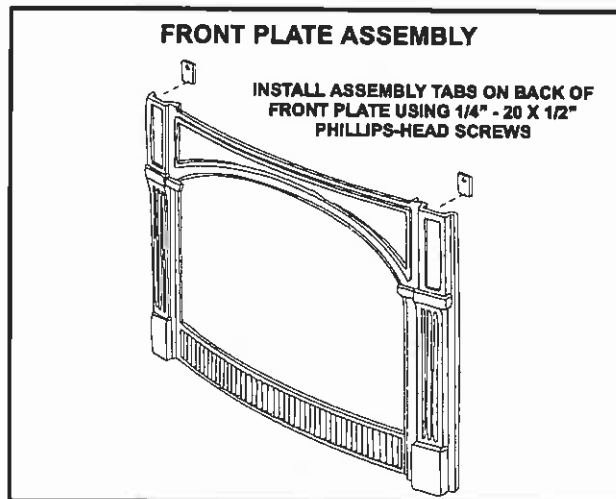


FIGURE 16

- 8 - Carefully lift the front plate. Guide the bottom protrusions into the two holes provided in the cast iron bottom plate. Lean the front plate back into a vertical position. Lift the plate up and back so that the assembly tabs rest behind the matching tab on each side plate.
- 9 - Lift the top plate and carefully position it on top of the assembled fireplace. Make sure it is centered and flat. The top plate is held in place by its own weight.

Electrical Connections

The Lennox CI 30 must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.

Millivolt wiring is required only if an optional wall-mounted ON/OFF switch or an optional thermostat is being installed. Refer to field wiring diagram in figure 17 for thermostat wiring and optional blower wiring.

NOTE - Place unit-mounted burner switch in the **REMOTE** position if optional wall-mounted ON/OFF switch or optional thermostat is installed.

Instructions for the installation and wiring of the optional blower are included in the manual provided with the optional kit. The optional blower is equipped with a 3-pronged grounded plug which requires a 120VAC supply for operation. In case of power outage, the fireplace may still be operated without using the optional blower.

⚠ WARNING

The optional blower is equipped with a three-pronged (grounding) plug for your protection against shock hazard. The cord must be plugged into a properly grounded receptacle. Do not cut or remove the grounding prong from the plug.

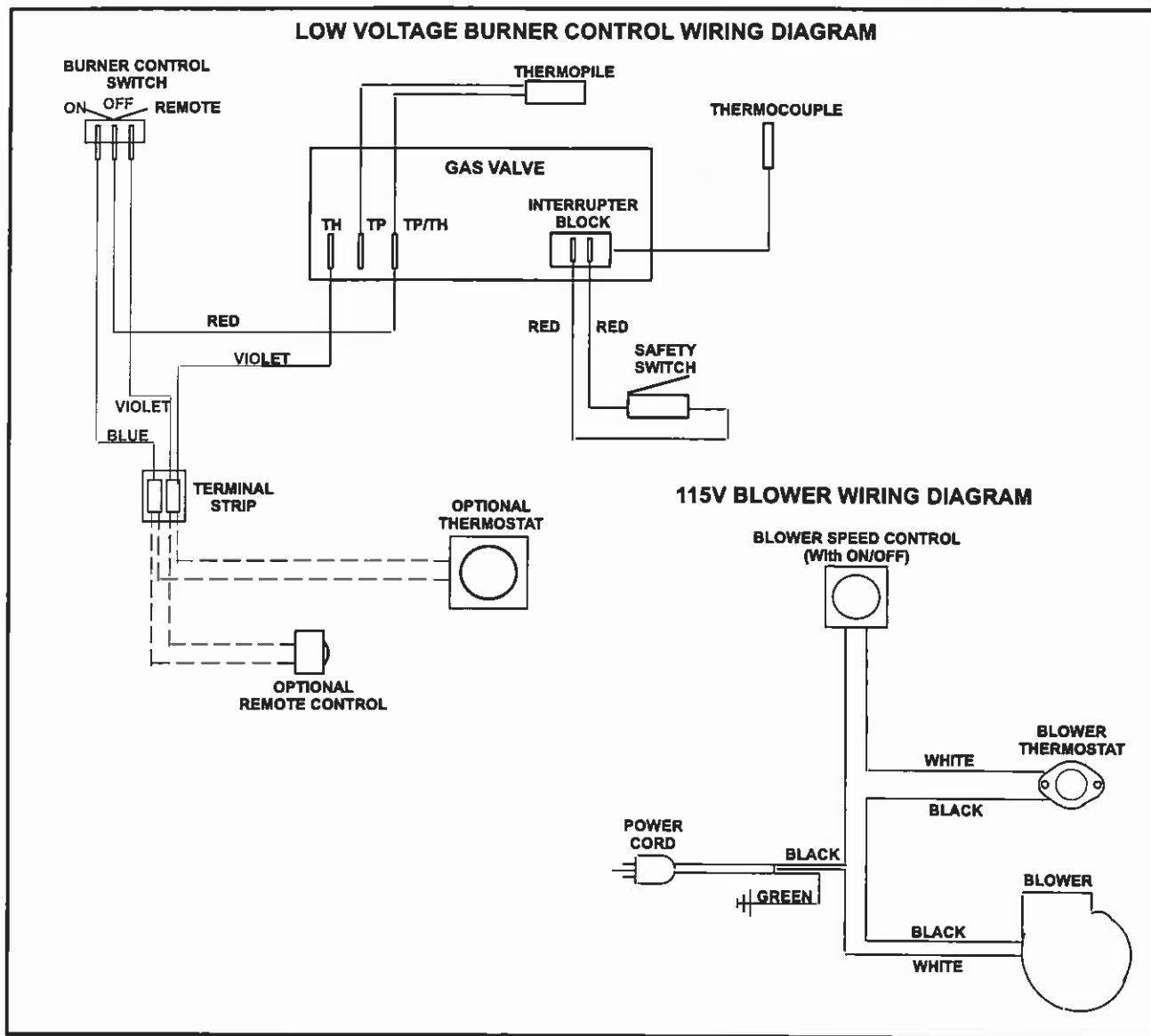


FIGURE 17

Venting

General Requirements

The vent system must be installed per these instructions, vent pipe manufacturer's instructions and local codes.

This appliance must be vented to the outside and must not be connected to a flue servicing another appliance.

The CI 30 fireplace uses 100 percent outdoor air for combustion. This gas fireplace is equipped with a concentric vent collar on the rear of the appliance for ease of installation. The appliance may be converted for top connection of venting components, if desired. Vent piping and vent terminations are ordered separately.

This Lennox gas fireplace is for use only with Lennox approved vent piping and vent terminations. Approved venting kits and components are listed in the Engineering Handbook. Vent components must be installed without modification according to the instructions provided by the manufacturer. **DO NOT** install any damaged venting component.

The Lennox CI 30 fireplace can accommodate rear connection of venting components using either rigid concentric vent pipe and a snorkel termination or flexible co-linear vent pipe with co-linear to concentric adapters and a concentric vent termination. Rigid concentric venting components may also be used in top vent applications.

NOTE - The vent terminations are certified for use with this unit and must be installed without modification.

Rear Vent Connection Using Rigid Vent Pipe Figures 18 and 19

The CI 30 may be vented from the rear of the fireplace using rigid concentric vent pipe and a snorkel termination. The following rules apply in this type of installation.

- The horizontal length of vent pipe must measure no less than 9 in. and no more than 18 in.
- The air baffle must be removed from the rear of the firebox during the assembly of the fireplace.
- One 45° elbow may be used if the fireplace is being installed in a corner.
- The vent termination must not be recessed into a wall or siding.

REAR VENT WITH SNORKEL TERMINATION

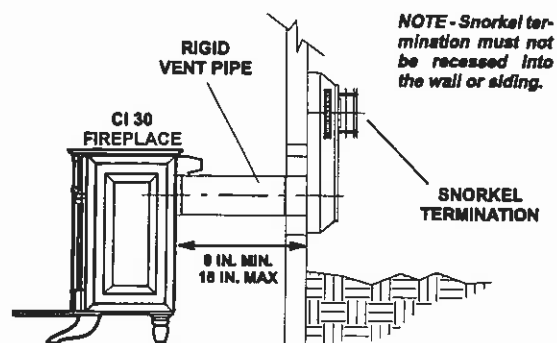


FIGURE 18

REAR VENT WITH SNORKEL TERMINATION (Top View - Corner Application)

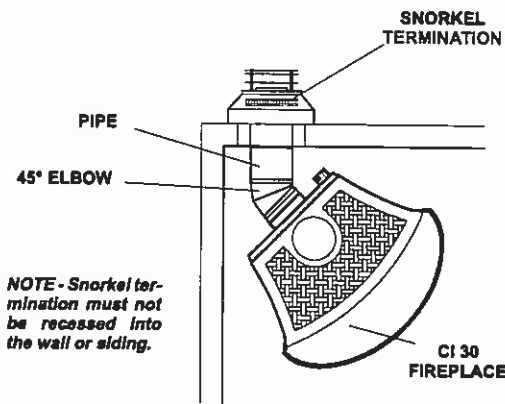


FIGURE 19

**Rear Vent Connection Using Co-Linear
Adapters and Flexible Vent Pipe**
Figure 20

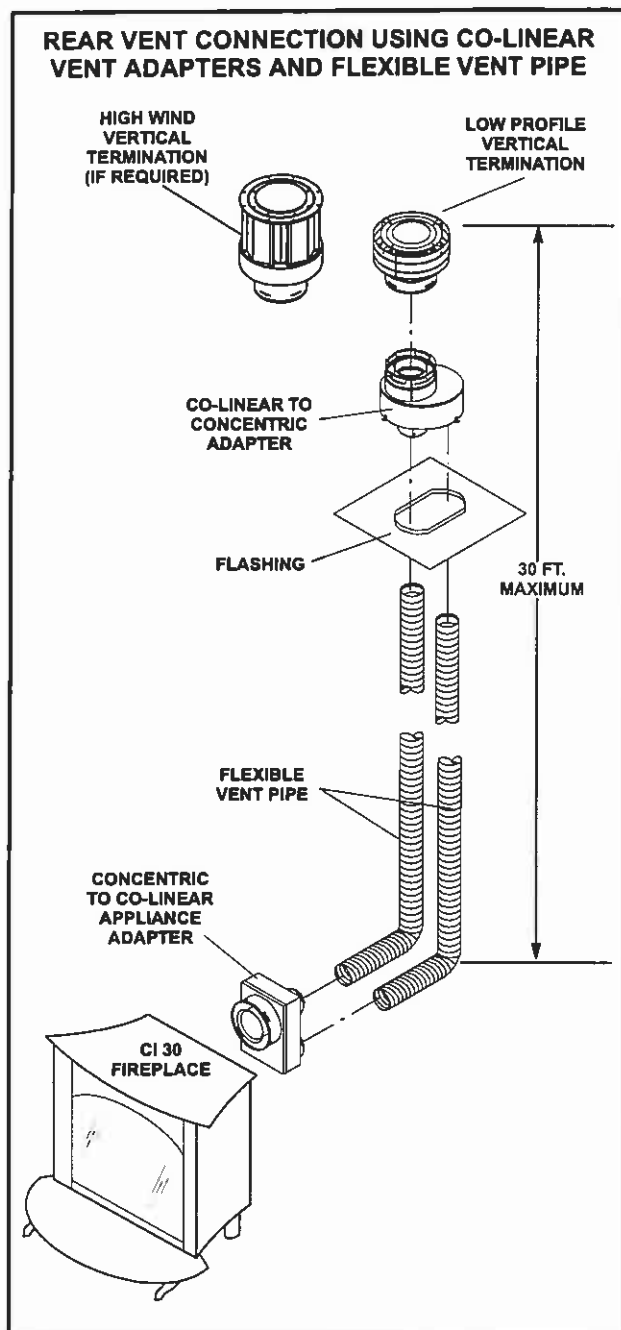


FIGURE 20

The CI 30 may be vented from the rear of the fireplace using flexible vent pipe and concentric to co-linear adapters. These applications require the use of one of the two approved rooftop terminations. The following rules apply in this type of installation.

- The vertical length of vent pipe must measure no more than 30 ft.
- Flexible vent pipe is packaged and shipped in its contracted state. When installing flexible vent pipe, its length may be expanded to twice its contracted size. You should expect to extend a 14 ft. section of flexible pipe up to 35 ft.
- Flexible vent pipe must be secured to the concentric-to-co-linear adapter using four sheet metal screws each.
- The flexible vent pipe must not be allowed to sag behind the fireplace.

! IMPORTANT

Under no circumstances, may separate sections of concentric flexible vent pipe be joined together.

Top Vent Connection Using Rigid Vent Pipe
Figures 22 and 23

The CI 30 may be vented from the top of the fireplace using rigid concentric vent pipe and several possible vent terminations. The following rules apply in this type of installation.

- In many cases, a restrictor plate will be required. Plate must be installed during unit assembly. Refer to assembly section and figure 8.
- Horizontal length of vent pipe must total no more than 10 ft.
- Vertical length of vent pipe must total no less than 2 ft. and no more than 30 ft.
- A maximum of two 90° elbows may be used in one vent system. Two 45° elbows may be used in place of one or both of the 90° elbows.
- Horizontal sections of the vent pipe should be sloped upward a minimum of 1/4 in. per foot of horizontal vent in the direction away from the fireplace. In addition, horizontal sections of pipe must be supported using metal straps spaced every 2 ft.
- Provide a firestop / spacer any time vent pipe must pass through a combustible floor, ceiling or wall. See figure 21. Refer to Engineering Handbook for catalog numbers of Lennox firestop spacers.

- Maintain proper clearances any time vent pipe must pass through insulated spaces. Use insulation shield when vent pipe passes through any insulation.
- The vent termination must not be recessed into a wall or siding.



FIGURE 21

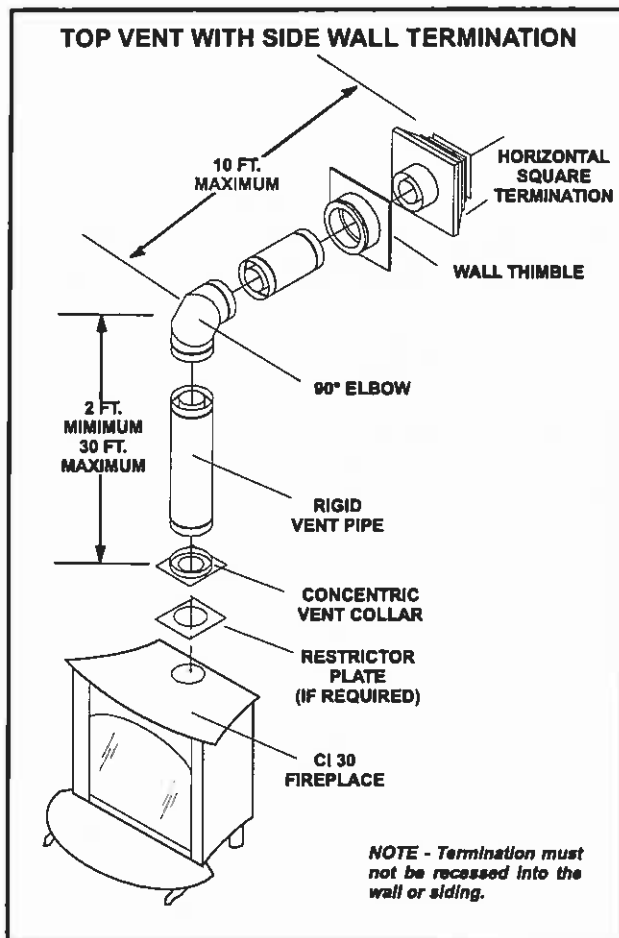


FIGURE 22

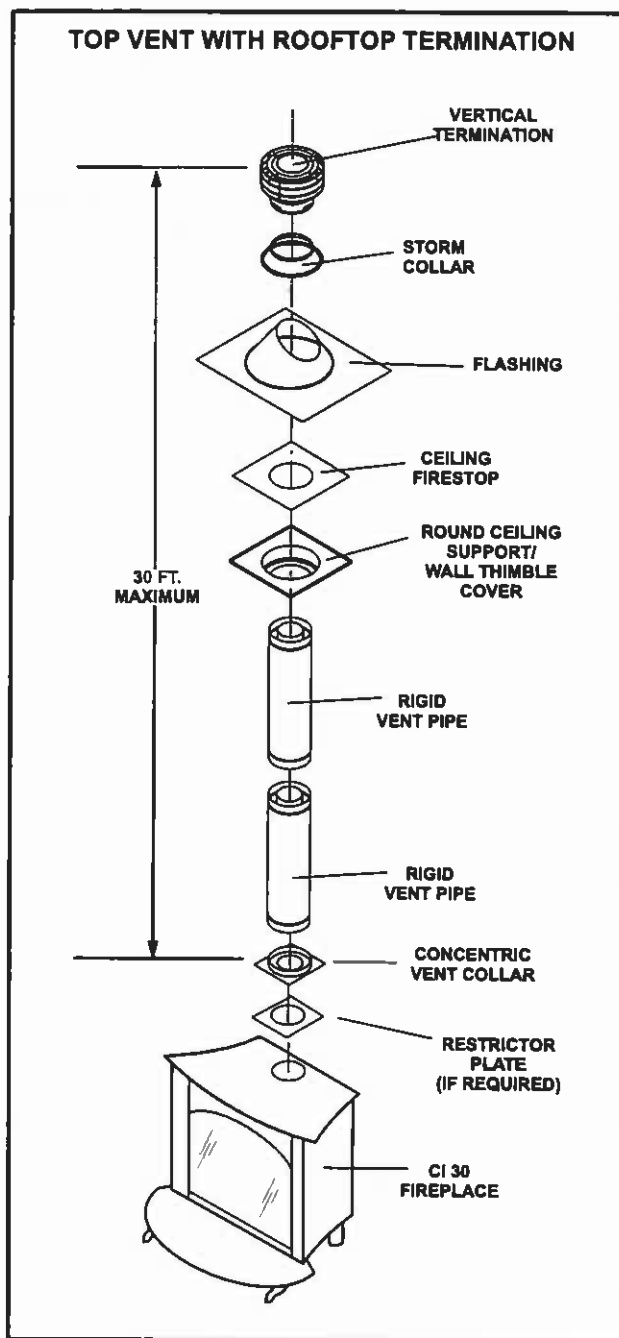


FIGURE 23

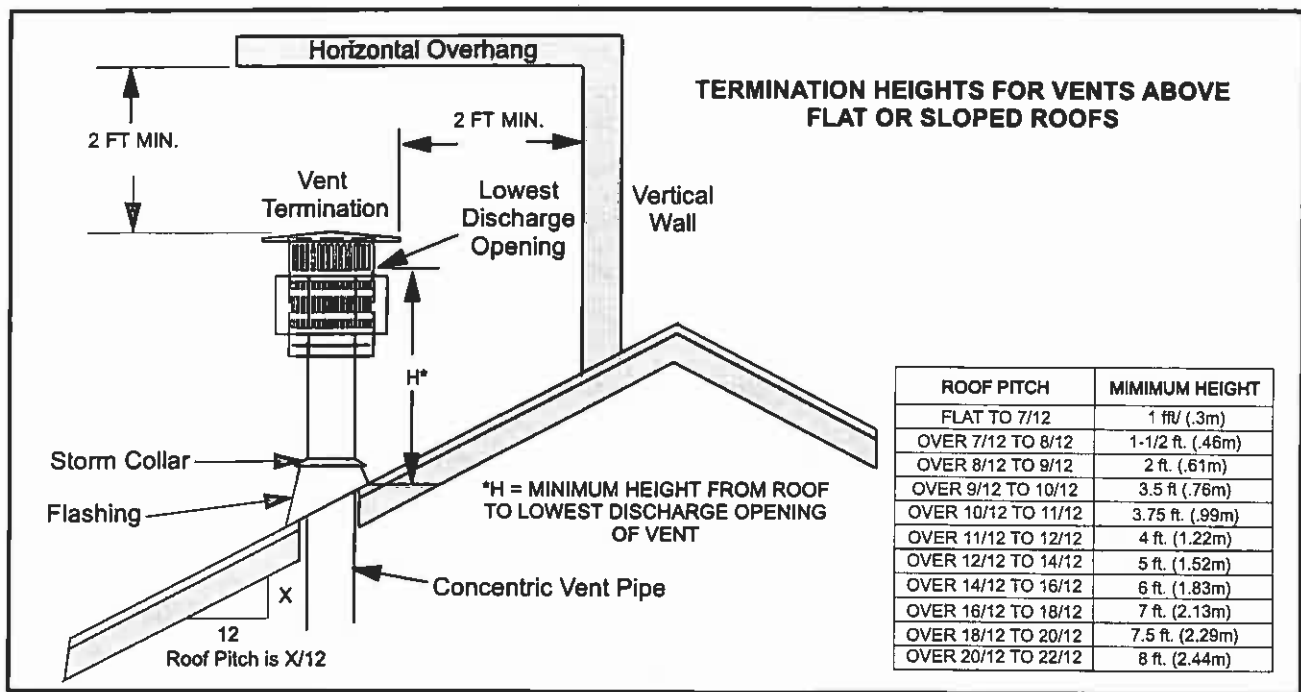


FIGURE 24

Detailed steps for Installation of A vertical vent termination at and above the roof:

- 1 - Determine the location of the vent's penetration through the roof.
- 2 - Cover the opening of the concentric vent pipe and cut a hole in the roof large enough to provide a minimum of one inch (25.4mm) clearance to combustible roof material.
- 3 - Frame the vent hole (with material of at least the same dimensions as the roof rafters) in order to provide adequate nailing support for the roof-to-vent

flashing.

NOTE - Venting components installed above the roof may be subjected to high winds.

- 4 - Install the remaining vent sections and the vent termination. See figure 24 for minimum allowable termination heights above the roof and minimum allowable clearances to obstacles above the roof.
- 5 - Use both flashing and a storm collar at the point where the vent pipe exits the roof. Seal flashing to roof, and storm collar to vent, using non-hardening caulking compound.

EXTERIOR HORIZONTAL VENT TERMINATION CLEARANCES

Horizontal Vent Termination Requirements

The venting terminals should not be recessed into a wall or siding.

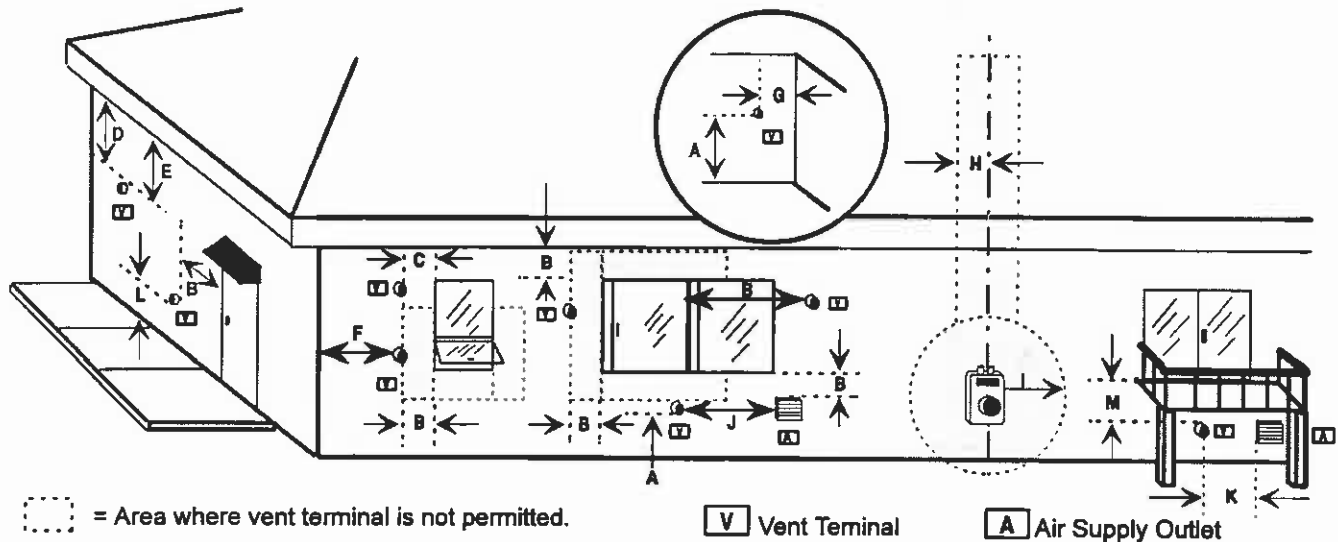


FIGURE 25

- A = 12" / 305mm clearances above grade, veranda, porch, deck or balcony. ♦
- B = 12" / 305mm clearance to window or door that may be opened. ♦
- C = 9" / 229mm (USA), 12" / 305mm (CAN) - clearance to permanently closed window.
- D = 24" / 610mm - vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 24" / 610mm from the centerline of the terminal.
- E = 12" / 305mm Clearance to unventilated soffit.
- F = 9" / 229mm Clearance to outside corner.
- G = 6" / 153mm Clearance to inside corner.
- H = 3 feet / 915mm (USA) Not to be installed above a meter/regulator assembly within 3 feet / 915mm horizontally from the centerline of the regulator. ♦
- I = 3 feet / 915mm (USA), 6 feet / 1829mm (CAN). Clearance to service regulator vent outlet. ♦

- J = 9" / 229mm (USA) Clearance to non-mechanical air supply inlet to building or the combustion air inlet to 12" / 305mm (CAN) any other appliance. ♦
- K = 3 feet / 915mm (USA), 6 feet / 1829mm (CAN) - clearance to a mechanical air supply inlet. ♦
- L* = 7 feet / 2134mm (USA) - Clearance above paved sidewalk or a paved driveway located on public property. ♦
- M** = 12" / 305mm Clearance under veranda, porch, deck or balcony. ♦

♦ As specified in CAN / CGA B149 Installation Codes.

* 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 of 2 sides beneath the floor.

Note: Local Codes or Regulations may require different clearances.

Unit Start-Up

FOR YOUR SAFETY READ BEFORE LIGHTING

⚠ WARNING

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

⚠ WARNING

If overheating occurs or if gas supply fails to shut off, close the manual shut-off valve to the appliance before shutting off electrical supply.

⚠ CAUTION

Before attempting to perform any service or maintenance, turn the electrical power to appliance OFF at disconnect switch.

⚠ WARNING

Do not operate appliance unless glass frame is properly installed. Glass must not be broken or cracked. If glass is damaged, replace with appropriate glass/frame assembly available through Lennox repair parts. Substitution of any other than Lennox-specified glass can lead to property damage or personal injury.

BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

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

⚠ WARNING

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

PLACING FIREPLACE INTO OPERATION

Lennox CI 30 fireplaces are equipped with a millivolt gas valve and a pilot which must be lit by a Piezo ignitor (black rectangular button). When lighting the pilot, follow these instructions exactly.

GAS VALVE OPERATION (Figure 26)

- 1 - **STOP!** Read the safety information at the beginning of this section before proceeding.
- 2 - **Applications using the optional thermostat** - Set the thermostat to the lowest setting.
Applications using only an appliance-mounted switch - Turn OFF the appliance-mounted switch.
- 3 - Turn off all electric power to appliance.
- 4 - Turn the gas valve control knob clockwise ➡ to OFF.
- 5 - Wait five (5) minutes to clear out any gas. Then, smell for gas, including near the floor. If you smell gas, **STOP!** Follow the safety instructions given in the column to the left. If you do not smell gas, go to the next step.
- 6 - Turn the flame regulator (HI/LO) knob clockwise ➡ to the HIGH position.
- 7 - Turn the gas valve control knob counterclockwise ⬅ to the PILOT position.

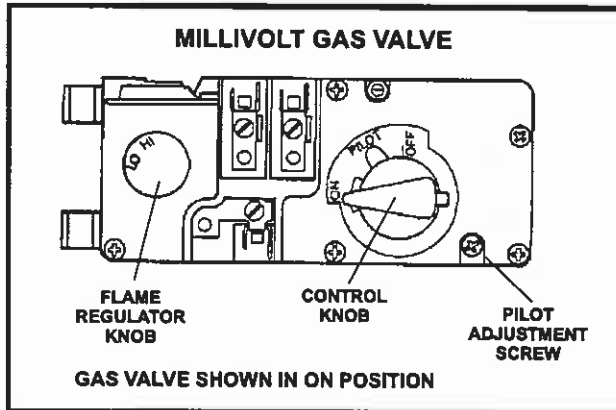



FIGURE 26

- 8 - Observe the pilot assembly just beneath the front log. Push the gas valve control knob in and hold it in position. **IMMEDIATELY** push the piezo ignitor button to light the pilot. (It may be necessary to press the ignitor button several times.) Continue to hold the control knob in for about one minute after pilot flame has been established. Release the knob. Knob should pop back out and pilot flame should remain lit. If pilot goes out, repeat steps 4 through 8.


⚠ IMPORTANT

If the gas valve control knob does not pop out when it is released, or if the pilot will not stay lit after several tries, turn the gas control knob clockwise to the OFF position and call a qualified service technician or the gas supplier.

- 9 - Turn the gas valve control knob counterclockwise  to the ON position.
- 10 - Restore electrical power to appliance (if applicable).
- 11 - In applications using an optional thermostat - Turn appliance-mounted switch to REMOTE position and set thermostat to desired setting.
In applications using only an appliance-mounted switch - Turn appliance-mounted switch to ON position.
- 12 - Adjust the flame regulator (HI/LO) knob to desired setting. Turn clockwise to increase the flame and counterclockwise to decrease the flame.

NOTE - Do not be alarmed if you notice an odor during the initial two hours of operation. This is caused by exposing the components to heat for the first time. The odor will dissipate quickly if windows are opened to allow increased air circulation.

TURNING OFF GAS TO UNIT

- 1 - Turn appliance-mounted switch to off position. If optional thermostat is used, set thermostat to lowest setting.
- 2 - If the fireplace will not be in use for an extended period of time, turn the gas valve control knob clockwise  to the OFF position. Do not force.

Adjustments

GAS PRESSURE

NOTE - The gas valve cover plate must be removed to access the gas valve in order to make adjustments. Replace the cover plate and the two securing screws after adjustments have been completed.

Check gas inlet pressure with the appliance firing at the maximum rate. A minimum of 5.0 in. w.c. (1.24 kPa) and maximum of 7.0 in. w.c. (1.74 kPa) for natural gas should be maintained. When LP/Propane gas is used, a minimum of 11.0 in. w.c. (2.74 kPa) and a maximum of 13.0 in. w.c. (3.23 kPa) must be maintained.

Maximum manifold pressure is 3.5 in. w.c. (0.87 kPa) for natural gas and 10 in. w.c. (2.49 kPa) for LP/Propane gas.

Do not derate the CI 30 for installation at higher altitudes. Maintain manifold pressure of 3.5 in. w.c. (0.87 kPa) for natural gas and 10 in. w.c. (2.49 kPa) for LP/Propane gas.

ELECTRICAL

- 1 - Check all wiring for loose connections.
- 2 - Check for correct voltage at unit (unit operating).

PILOT FLAME ADJUSTMENT

To ensure proper gas valve operation, the pilot flame should impinge upon both the thermopile and the low mass thermocouple. See figure 27. The pilot flame adjustment screw is shown in figure 26.

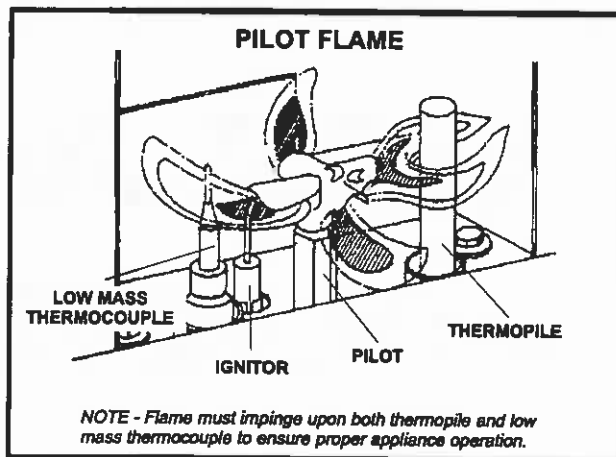


FIGURE 27

BURNER FLAME ADJUSTMENT

The burner flame should be adjusted with the gas valve flame regulator (HI/LO) knob in the HI position. See figure 26. Allow the burner to operate for approximately 15 minutes in the HI fire position. The flames should increase in length and become more yellow in color as the CI 30 operation stabilizes.

Burner flame should appear much like those shown in figure 28. Adjust the flames, if necessary, by turning the air shutter adjustment screw on the bottom of the unit. Turn the 3-inch screw counterclockwise to close the shutter and create a taller flame. Turn the 3-inch screw clockwise to open the shutter and create a shorter flame.

If the flames cannot be adjusted to achieve the desired flame effect, do not operate the unit. Call a qualified service technician.

FAILURE TO OPERATE

If unit fails to operate check the following:

- 1 - Is thermostat calling for heat (if applicable)?
- 2 - Is ON/OFF/REMOTE switch in correct position (ON or REMOTE, if applicable)?
- 3 - Is pilot lit?
- 4 - Is gas turned on at meter?
- 5 - Is gas turned on at the appliance shut-off valve?
- 6 - Is gas valve in ON position?
- 7 - Is power cord for optional blower motor plugged in to a grounded 3-pronged receptacle (if applicable)?

Maintenance

⚠ WARNING

All maintenance should be performed by a qualified service technician.

Disconnect power, if applicable, and gas supply before servicing unit.

⚠ CAUTION

Label all wires before they are disconnected for service. Wiring errors can cause improper and dangerous operation.

Verify proper unit operation after service has been completed.

The CI 30 unit and its vent system should be inspected annually to ensure continued proper operation. Maintenance and service procedures should be performed by a qualified technician.

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

Control compartment, burners and circulating air passageways must be kept clean. The appliance should be inspected annually; however, more frequent cleaning may be necessary due to excessive amounts of lint or dust.

At the beginning of each heating season, perform maintenance checks as outlined below:

A - BLOWERS (If applicable)

Check for debris and clean blower wheel, if necessary. Blower motors are prelubricated for extended bearing life. No further lubrication is needed.

B - VENT TERMINATION

The flow of combustion and ventilation air must not be obstructed. Make sure there is no blockage at the vent termination or in the vent pipe. Make sure that co-linear vent pipe is not crimped in any way. Refer to vent manufacturer's instructions for other specific recommendations for vent pipe maintenance. Any sections of vent pipe that are taken apart to facilitate inspection must be reassembled and resealed as required.

C - PILOT AND BURNERS

The pilot and burner flame should be inspected at the beginning of each heating season.

The pilot flame should impinge upon both the thermopile and the low mass thermocouple. See figure 27. The pilot flame adjustment screw is shown in figure 26.

Inspect the burner flame after the unit has been operating for at least 15 minutes with the gas valve flame regulator (HI/LO) knob in the HI position. See figure 26. The flames should appear yellow in color (not blue or orange). There should be no sooting. If necessary, clean the burners.

BURNER FLAME

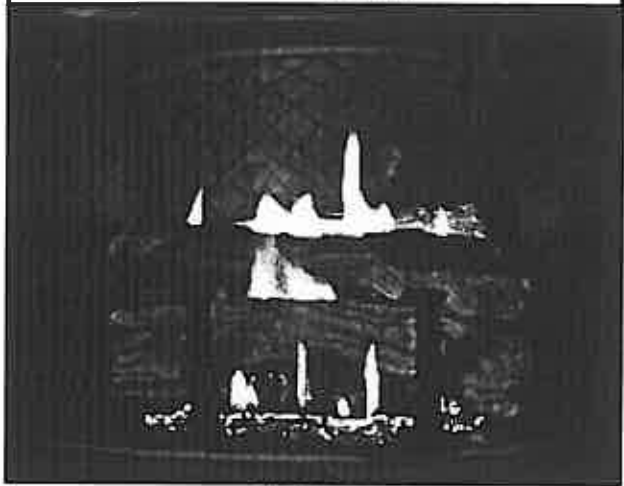


FIGURE 28

⚠ WARNING

Some soaps used for leak detection are corrosive to certain metals. Carefully rinse piping thoroughly after leak test has been completed. Do not use matches, candles, flame or other sources of ignition to check for gas leaks.

D - LOG SET AND FIREBOX

The annual inspection and maintenance of the appliance should include cleaning the firebox and log set. The ceramic fiber logs are extremely fragile and must be removed and cleaned with a soft brush. The firebox may be vacuumed to remove dust and lint. Follow the procedure below to remove and reinstall the log set.

⚠ WARNING

Do not handle the ceramic logs while they are hot. Allow firebox to cool completely before performing any service. Pilot should be turned off before proceeding.

- 1 - Carefully remove the front plate and glass panel and set them aside.
- 2 - Collect the rock wool ember material from the front burner. Discard this material. It should be replaced using the material set aside after the initial installation. Additional ember material may be purchased.

- 3 - Carefully remove the center log first, then the front log and, finally, the rear log. Each log should be lightly brushed and set aside.
- 4 - The interior of the firebox can be vacuumed using the soft brush attachment.
- 5 - Use high-temperature touch-up paint (ordered from the Lennox Parts Center to cover any marks in the firebox. Allow the paint to dry for one hour before placing the unit back into operation.
- 6 - Install the replacement embers and reinstall the logs as outlined earlier in this manual.
- 7 - Reinstall the glass frame and front plate.

GLASS / FRAME ASSEMBLY

Clean inside and outside glass surfaces using a mild detergent/water solution and a soft cloth. DO NOT use abrasive cleansers which might scratch the glass surface. DO NOT clean glass when surface is hot to the touch. Glass cleaner is available as Lennox part number 19N74.

The glass/frame assembly must be properly reinstalled after service.

! WARNING

Do not operate appliance unless glass/frame assembly is properly installed. Glass must not be broken or cracked.

If the glass has become broken, it must be replaced by a qualified service technician. Replacement glass must be ordered from Lennox. Follow the procedure outlined below to replace the viewing glass.

! WARNING

Wear gloves and protective glasses when replacing broken glass.

- 1 - Lift top plate 3 to 4 inches to provide clearance for removal of the front plate. Lift front plate up and out to clear tabs on side plates. Set front plate aside.
- 2 - Lift the two latches that hold the glass frame firmly in place against the firebox. Lift the securing screws from the slots on the glass frame.
- 3 - Tilt the glass / frame assembly outward from the top and lift it out of the three channels at the bottom. Place the assembly on a clean, flat work surface.
NOTE - Hold both the viewing glass and frame when removing the glass/frame assembly. The glass and frame are not secured together in any way.
- 4 - Carefully remove the remaining glass from the frame assembly.
TAKE NOTICE OF THE GASKET ON THE EXISTING VIEWING GLASS. The replacement gasket must be installed in the same manner.
- 5 - Dry fit the gasket around the glass frame first to judge the amount that will be required.
- 6 - The replacement gasket should be applied to the replacement glass in one continuous strip. In order to avoid tangling the gasket material, it is best to peel away the adhesive backing from one section at a time. Apply the gasket along one edge of the glass. Continue by peeling away another section of the gasket adhesive backing until the entire perimeter of the glass has been covered. Make sure that the gasket folds neatly around the corners of the glass. Smooth the gasket with your fingers to make sure there are no lumps. Trim any extra gasket material, so that the two ends of the gasket fit together tightly.
- 7 - Place the gasketed replacement glass into the frame. Make sure it is centered in the frame.
- 8 - Reinstall the glass / frame assembly.

NOTE - Use the same procedure to apply a new gasket to an existing viewing glass.

Troubleshooting Guide

Problem	Possible Causes	Solution
Pilot will not light and Piezo ignitor does not produce a heavy blue spark.	Electrode wire not properly connected to Piezo ignitor.	Make sure wiring is firmly connected.
	Piezo ignitor is defective.	Replace Piezo ignitor.
Pilot will not light; however, Piezo ignitor produces a heavy blue spark.	Incorrect lighting procedure is being followed.	Carefully follow the lighting instructions found on the appliance or in this manual.
	No gas supply to appliance.	Check to make sure that gas valves are open (there may be more than one). Make sure gas supply lines are properly connected.
Pilot will not stay lit.	Thermocouple wiring is not firmly connected to gas valve.	Make sure wiring is firmly connected.
	Pilot flame is not impinging on top of thermocouple.	Make sure thermocouple is properly positioned in pilot assembly.
	Thermocouple is defective.	Replace thermocouple.
	Combustion chamber pressure relief switch has been activated.	Qualified service technician must inspect appliance and reset switch.
Pilot flame stays lit; however, main burner will not light.	Burner control switch (top of back panel) is in OFF position, thermostat is turned off, or thermostat setting is too low.	Place burner control switch in ON position or adjust the optional thermostat. (Refer to manufacturer's instructions for thermostat operation.)
	Electrical wiring is damaged or poorly connected.	Refer to wiring diagram and check safety circuit electrical connections.
	Burner control switch, thermostat, or thermopile is defective.	Refer to wiring diagram. Electrically bypass components one at a time and replace defective item.
Gas smell. <i>NOTE - Odor during the initial two hours of operation is normal. This is caused by applying heat to the unit components for the first time. The odor will dissipate quickly if windows are opened to allow increased air circulation</i>	Loose fittings may be allowing gas to escape.	Check all joints in the gas supply system and gas valve system for leaks. Use a proper leak check solution. NEVER USE AN OPEN FLAME TO CHECK FOR GAS LEAKS.
Thin coat of black soot forms on the viewing glass.	Primary air inlet is obstructed by dust or debris.	Remove dust or debris from primary air inlet.
	Air shutter is improperly adjusted.	Readjust opening, if necessary.
	Flames are making contact with logs or other surfaces.	Make sure ceramic logs are properly positioned.
	Manifold pressure is improperly set.	Check manifold pressure and correct, if necessary.
White coating forms on viewing glass or logs.	Residues and/or impurities being burned off.	Following glass cleaning procedures outlined in Maintenance section.
Air circulation blower makes a humming sound; but no air is being circulated.	Blower impeller blades are dirty.	Disconnect electrical power to air circulation blower. Access blower and clean blower impeller blades.
	Air circulation blower is defective.	Replace blower.
Air circulation blower will not operate.	Electric power is not being supplied to blower motor.	Make sure the blower speed control is in the ON position. Verify that power cord is properly plugged into a functioning outlet.
	Blower speed control or blower thermostat control is defective. <i>NOTE - After start-up, there is a 10- to 20-minute delay before blower operation is initiated. This is part of the normal operation sequence.</i>	Check low-temperature cut-off switch and replace switch, if necessary.

Repair Parts List

The following repair parts are available through independent Lennox dealers. When ordering parts, it is important to include the complete appliance model number listed on the rating plate.

Description	Catalog Number	Model Number	Description	Catalog Number	Model Number
Side plate, black paint (interchangeable right / left)	51L26	DBF	Front log support	51L54	All Models
Side plate, black glossy enamel (interchangeable right / left)	51L27	DBEF	Rear log support	51L55	All Models
Front plate, black paint	51L28	DBF	Orifice kit	51L57	All Models
Front plate, black glossy enamel	51L29	DBEF	Flared union kit	51L58	All Models
Top plate, black paint	51L24	DBF	Pilot shields (gasket included)	51L59	All Models
Top plate, black glossy enamel	51L25	DBEF	Log set	51L60	All Models
Bottom plate, black paint	51L30	DBF	Rock wool ember material	52L14	All Models
Bottom plate, black glossy enamel	51L31	DBEF	Gas valve assembly	51L61	All Models
Front leg (2), black paint	51L32	DBF	LP conversion kit	51L78	All Models
Front leg (2), black glossy enamel	51L33	DBEF	Interrupter block	51L79	All Models
Rear leg (2), black paint	51L34	DBF	Pilot assembly	51L62	All Models
Rear leg (2), black glossy enamel	51L35	DBEF	Microswitch	52L20	All Models
Cast iron fireback, black paint	51L36	All Models	Pressure relief safety switch cable	51L63	All Models
Andirons (2), black paint	51L37	DBF	Pressure relief doors (gasket included)	51L64	All Models
Andirons (2), black glossy enamel	51L46	DBEF	Pressure relief frame	51L65	All Models
Decorative cast iron cover plate, black paint	51L38	DBF	Air shutter box assembly	51L66	All Models
Decorative cast iron cover plate, black glossy enamel	51L39	DBEF	Glass gasket (8 feet)	51L67	All Models
Latch	51L47	All Models	Gasket kit (flue collar [2], air inlet collar [2], pressure relief door [2], pressure relief frame, manifold, pilot assembly)	51L68	All Models
Glass (gasket included)	51L40	All Models	Flexible stainless steel gas connector	51L69	All Models
Glass frame	51L42	All Models	Firebox baffle	51L70	All Models
Back panel	79L51	All Models	Restrictor plate (gasket included)	51L71	All Models
Louvered rear cover panel, steel, black paint	51L49	All Models	Wiring harness with terminal block	51L72	All Models
Assembly brackets (package of 8)	51L50	All Models	On / Off Remote switch	51L73	All Models
Cover plates (includes 4" and 6 5/8")	51L51	All Models	Manifold supply line	51L74	All Models
Air inlet collar, 6 5/8"	51L52	All Models	Leveling bolts (2)	51L75	All Models
Flue collar, 4"	51L53	All Models	Paint, glossy black enamel touch-up	51L76	DBEF
Bottom plate assembly clips, 1/4" -20	51L43	All Models	Paint, black touch-up (spray)	70K99	DBF
Front Burner	51L44	All Models	Air circulation blower, optional	79L52	All Models
Rear burner	51L45	All Models	Accessory package (includes hardware, manual, restrictor plate and gasket, LP conversion kit)	51L77	All Models

VENTING COMPONENTS

The following Direct-Vent system components may be safely used with this appliance.

IMPORTANT: APPLIANCES INSTALLED USING SIMPSON DURA-VENT BRAND PIPE MUST SEAL ALL JOINTS WITH MILL-PAC BLACK, HIGH TEMPERATURE SEALANT.

Model #	Brand: SECURITY / Description	Model #	Brand: SIMPSON DURA-VENT / Description
SV0SHK	Standard Horizontal Term. Kit (90° Black Elbow, Firestop (2), Horizontal Square Term. Cap)	970	Basic Horizontal Term. Kit (90° Black Elbow, Wall Thimble Cover, Horizontal Square Term. Cap)
SV0HK	Horizontal Term. Kit (90° Black Elbow, Firestop (2), Horizontal Term. Cap, adj. Black length 1-1/2 - 6")	971	Horizontal Term. Kit A (90° Black Elbow, Wall Thimble Cover, Horizontal Square Term. Cap, adj. 24" black pipe, 11-14 5/8" adj. Black pipe)
SV0FK	Vertical Flat Roof Term. Kit (w/flashing, storm collar, vertical Term. Cap)	973	Vertical Termination Kit
SV0FAK	Vertical pitched Roof Kit, 1/12-7/12 (with adjustable roof flashing, storm collar, vertical termination cap)	978	Vertical Pitched Roof Kit, 0/12-6/12 (with adjustable flashing, storm collar, low profile term. Cap)
SV0FBK	Vertical pitched Roof Kit, 8/12-12/12 (with adjustable roof flashing, storm collar, vertical termination cap)	N/A	N/A
SV0L6	6" Pipe Length (Galvalume)		6" Pipe Length (Galvalume)
SV0LB6	6" Pipe Length (Black)	908B	6" Pipe Length (Black)
SV0	9" Pipe Length (Black)	907B	9" Pipe Length (Black)
SV0L12	12" Pipe Length (Galvalume)	906	12" Pipe Length (Galvanized)
SV0LB12	12" Pipe Length (Black)	906B	12" Pipe Length (Black)
SV0L24	24" Pipe Length (Galvalume)	904	24" Pipe Length (Galvanized)
SV0LB24	24" Pipe Length (Black)	904B	24" Pipe Length (Black)
SV0L36	36" Pipe Length (Galvalume)	903	36" Pipe Length (Galvanized)
SV0LB36	36" Pipe Length (Black)	903B	36" Pipe Length (Black)
SV0L48	48" Pipe Length (Galvalume)	902	48" Pipe Length (Galvanized)
SV0LB48	48" Pipe Length (Black)	902B	48" Pipe Length (Black)
N/A	N/A	911B	11"-14" Adj. Pipe Length (Black)
SV0LA	1 1/2 - 6" Adj. Pipe Length	N/A	N/A
SV0LBA	1 1/2 - 6" Adj. Black Pipe Length	N/A	N/A
SV0E45	45 Elbow (Galvalume)	945	45 Elbow (Galvanized)
SV0EB45	45 Elbow (Black)	945B	45 Elbow (Black)
SV0E90	90 Elbow (Galvalume Swivel)	990G	90 Elbow (Galvanized Swivel)
SV0EB90	90 Elbow (Black Swivel)	990BG	90 Elbow (Black Swivel)
SV0	90 Elbow (Galvalume)	990	90 Elbow (Galvanized)
SV0	90 Elbow (Black)	990B	90 Elbow (Black)
SV0CHC	⊕Horizontal Standard Term. Cap	984	⊕Horizontal Standard Term. Cap
SV0CHCV	⊕Horizontal High Wind Term. Cap	N/A	⊕Horizontal High Wind Term. Cap
SV0CGV	• Vertical High Wind Cap	991	• Vertical High Wind Cap
SV0STC36	⊗Snorkel Termination Cap 36"	981	⊗Snorkel Termination Cap 36"
SV0STC14	⊗Snorkel Termination Cap 14"	982	⊗Snorkel Termination Cap 14"
SV0	Vinyl Shield Protector	950	Vinyl Siding Standoff
SV0VS	Round Ceiling Support / Wall Thimble Cover	940	Round Ceiling Support / Wall Thimble Cover
SV0CSB	Cathedral Ceiling Support Box, decorative square	941	Cathedral Ceiling Support Box
SV0SF	Black Plate, Decorative	N/A	N/A
SV0	Round Ceiling Support Box/Wall Thimble	942	Round Ceiling Support Box/Wall Thimble
SV0	Storm Collar	953	Storm Collar
SV0RSM	Wall Radiation Shield	N/A	N/A
SV0BF	Firestop	N/A	N/A
N/A	N/A	963	Firestop Spacer
SV0F	Flashing, Flat Roof (storm collar included)		
SV0FA	Flashing, Adjustable roof 1/12-7/12 (storm collar included)	943	Flashing 0/12-6/12
SV0FB	Flashing, Adjustable 8/12-12/12 (storm collar included)	943S	Flashing 7/12-12/12
SV0BM	Wall Band	988	Wall Strap

⊗ Snorkel Caps: These are elongate vent termination caps, which incorporate the principles of natural draft into a horizontal installation. Two styles are common, 14" and 36" (Cap height). They enhance draft and relieve backpressure by creating natural draft in the snorkel.

⊕ Horizontal Caps: This 13 1/2" square horizontal cap is placed on the outer wall of the dwelling. Not to be within 9" of an air inlet or within 12" of the ground. It requires a minimum 2' rise on the interior pipe.

• Vertical Termination Cap: Low profile and high wind caps can only be used on vertical pipe installations.

SAFETY / LISTING LABEL

VENTED GAS FIREPLACE HEATER—NOT FOR USE WITH SOLID FUEL. NE DOIT PAS ETRE UTILISE AVEC UN COMBUSTIBLE SOLIDE. CERTIFIED FOR CANADA HOMOLOGUE POUR LE CANADA
DO NOT REMOVE OR COVER THIS LABEL. THIS VENTED GAS FIREPLACE HEATER IS NOT FOR USE WITH AIR FILTERS.

Tested by CSA International to ANSI Z21.88b-1999/CSA 2.33b-1999, and CAN/CGA-2.17-M91.

For use with natural gas and propane. A conversion kit, as supplied by the manufacturer, shall be used to convert this room heater to the alternate fuel. Pour utilisation, avec le gaz naturel et le propane. Une trousse de conversion fournie par le

LISTED VENTED GAS FIREPLACE HEATER/FOYER A GAZ MODEL CI 30

No.

fabricant doit être utilisée pour passer d'un combustible à l'autre.

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.

	<input type="checkbox"/> NATURAL GAS	<input type="checkbox"/> PROPANE	
Input Rating (Btu/hr)	33,000	33,000	Debit calorifique (0-4500)
Min. Input Rating (Btu/hr)	23,000	23,000	Puissance minimum
Orifice (DMS)	54 Front/40 Rear	63 Front/1.45 mm Rear	Grandeur de l'injecteur
Manifold Pressure (in w.c./kPa)	3.51/0.87	10.0/2.49	Pression a la tubulure d'alimentation
Minimum Inlet Pressure (in w.c./kPa)	5.01/1.24	11.0/2.72	Pression D'Arrivée

This appliance must be installed in accordance with local codes if any. If not follow ANSI Z223.1 or CAN1-B149.

Maintain manifold pressure at 3.5" WC for natural gas and 10.0" WC for propane.

EXCEPTION: Do not derate this appliance for altitude.

Ce radiateur doit être installé conformément aux exigences des codes locaux. S'il n'existe aucun code local, se conformer à la norme CAN1-B149 en vigueur.

Due to high surface temperatures, keep children, clothing, furniture, gasoline, or liquids with flammable vapors away.

A cause de la température élevée des parois, tenir éloignés les enfants, les vêtements et les meubles.

MINIMUM CLEARANCES FROM COMBUSTIBLE CONSTRUCTION

Unit to left sidewall	2 in. (50 mm)
Unit to right sidewall	7 in. (178 mm)
Unit to backwall (measured from switchbox to wall)	1 in. (25 mm)
Corner installation (corners of ash lip to walls)	11 in. (279 mm)
Unit to alcove ceiling	39 in. (990 mm)
Maximum alcove depth	48 in. (1220 mm)
Minimum alcove width	48 in. (1220 mm)
From stove top to mantel	12 in. (300 mm)

Electrical Rating: 120 Volts 60 Hz < 1 Ampere

Manufactured by Pyro Industries, 695 Pease Road, Burlington, WA 98233

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

ADVERTISSEMENT: Installation, modification de réglage, entretien et dépannage non appropriés risquent de causer des dommages matériels, des accidents ou des blessures corporels. Veuillez vous référer au manuel du propriétaire fourni avec cet appareil. Pour toute assistance ou information supplémentaire, veuillez consulter un installateur ou un organisme de dépannage autorisés ou votre compagnie gazière.

CAUTION: Do not operate with glass panel removed, cracked, or broken. Replacement of glass panel should be done by a licensed or qualified service person. Use only glass assemblies certified for use with this appliance.

ATTENTION: Ne pas utiliser l'unité si le panneau vitré est manquant, craque ou brisé. Veuillez à ne jamais installer ni utiliser quelque composante que ce soit non spécifiée pour usage avec cet appareil. Ne remplacez la vitre qu'avec du verre de céramique de Lennox.

This room heater must be properly connected to a venting system in accordance with manufacturer's installation instructions. If removed, follow installation instructions for proper re-assembly/re-sealing.

Cet appareil doit être correctement raccordé au un système d'évacuation, en accord avec les instructions du manufacturier. Si désconnecté suivre les instructions d'installations pour réinstaller et sceller correctement.



PN80020125 IR Rev. A

OWNERSHIP RECORDS

Dealer's Name:

Dealer's Address:

City:

State:

Zip Code:

Serial Number:

Date of Purchase:**Date Installed:**

Notes:

SERVICE AND MAINTENANCE LOG

Service
Date

Service Technician

Service Description

[illegible]

LENNOX[®]

HEARTH PRODUCTS

1110 West Taft Avenue

Orange, CA 92865