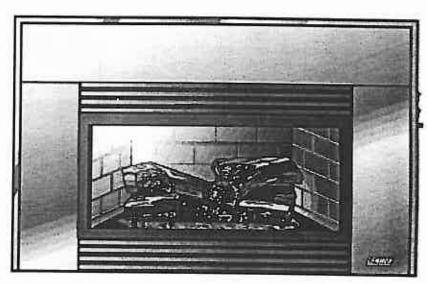


INSTALLATION AND OPERATION MANUAL

FIREPLACE INSERT

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



Suitable for installation into a masonry or factory built fireplace.

ELITE® SERIES MODEL L20Di (Direct Vent)

P/N 504309M, Rev. E, 03/01

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.



WH Report No. 476-1788

TABLE OF CONTENTS

IMPORTANT: Read these instructions thoroughly and make sure you understand them before beginning the Installation. Failure to follow these Installation instructions may result in a possible fire hazard and will vold the warranty. Do not attempt to alter or modify the construction of this appliance or its components. Any modification or alteration of construction will vold warranty, certification, and listing of this appliance. These instructions are intended as a general guide and do not supersede local codes in any way. Consult authorities having jurisdiction before installation. Save this manual for future reference.

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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

PACKAGING LIST

The assembled vented gas fireplace heater is packaged with:

- One log set and bag of ceramic coals located in the firebox area.
- 2 One accessory package containing a literature package (installation and operation instructions manual), bag of glowing embers, propane conversion kit (if needed to run on LP gas), 2 hose clamps (for exhaust & intake collars) and two leveling bolts. This bag is located in the firebox area.
- 3 Upper Louver Assembly.

The surround kit (purchased separately) is packaged with:

- 1- One Top Surround Panel.
- 2 One Left Surround Panel.
- 3 One Right Surround Panel With Trim & Controls.
- 4 One left side Trim.
- 5 One Top Trlm.
- 6 Ten Screws (8-32 x 3/8" self tapping screw with 1/4" hex head).

CHECK FOR SHIPPING DAMAGE. THE RECEIVING PARTY SHOULD CONTACT LAST CARRIER IMMEDIATELY IF ANY SHIPPING DAMAGE IS FOUND.

INTRODUCTION



A 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.

Model L20DI has been tested and certified by ITS (Intertek Testing Services). Listing mark is Warnock Hersey / Report # 476-1788. The L20DI is listed as a Direct Vent, Gas Fired Room Heater.

The L20DI has been tested to ANSI Z21.88-(1998) · CSA 2.33-M98 Vented Gas Fireplace Heater and CAN/CGA 2.17-M91 (For High Altitude).

When installed in a manufactured home (mobile home), this appliance must be installed in accordance with the current Standard for Mobile Homes, CAN/CSA Z240 MH, or with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or when such a standard is not applicable, the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites and Communities, ANSI/NFPA 501A.

These vented gas fireplace heaters are sealed combustion, air circulating gas fireplaces designed for residential applications. These heaters are designed to be installed into an existing masonry or factory built solid fuel burning fireplace only, using 3" diameter UL1181 listed aluminum liner (Air Intake) and 3" diameter UL1777 listed gas vent liner (Exhaust). These vent systems must be routed through the existing fireplace flue system to the outside atmosphere.

This appliance is designed to operate on natural gas or propane (LP). It is factory set for use with Natural Gas and will require field conversion for use with Propane (a propane conversion kit is located inside the accessory package). The use of other fuels or combination of fuels will degrade the performance of this system and may be dangerous. This appliance uses a millivolt type control system consisting of a gas control valve with regulator (control to adjust for flame appearance and heat output), a standing pilot burner assembly, a thermopile, thermocouple, a piezo igniter, and ON/OFF switch. All exhaust gases must be vented outside the structure. Combustion air is drawn from outside the structure. THE GAS BURNER SYSTEM ON THIS APPLIANCE DOES NOT REQUIRE 110 VOLT POWER TO OPERATE. However, the heat circulation blower requires 110 Volt power (The use of the blower is optional). The blower operation is controlled by an ON/OFF switch and the blower speed can be adjusted from low to high by turning the blower rheostat dial. These controls are located on the right side surround panel.

Provide adequate clearances around air openings and adequate accessibility clearance for service and proper operation (see page 8). Never obstruct the front openings of the appliance.

AWARNING

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

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

The appliance should be inspected before use and at least annually by a Lennox service technician.

Due to high operating temperatures, the appliance should be located out of traffic and away from furniture and draperies.

This appliance must not be connected to a chimney flue servicing a separate solid fuel burning appliance.

This room heater is a direct vent gas appliance. Do not burn wood or other material in this heater.

This appliance is equipped with a relief door in case of delayed ignition blow back. If the relief door opens, inspect for gasket damage. If necessary, replace with factory supplied gasket only.

Confirm relief door is closed and properly seated.

Do not connect 110-120 vac to the gas control valve or control wiring system of this unit.

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 appliance.

ACAUTION

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

Avertissement: surveiller les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides à vapeur inflammables à côté de l'appareil.

GENERAL INFORMATION

The installation must conform with local codes or in the absence of local codes, with:

In USA, The National Fuel Gas Code, ANSI Z223.1 (NFPA 54) - current edition.

In Canada, CAN/CGA-B149.1 (Installation Code for Natural Gas Burning Appliances and Equipment-current edition) and CAN/CGA-B149.2 (Installation Code for propane Gas Burning Appliances and Equipment-current edition) and other applicable codes.

Installation in Manufactured (Mobile) Homes must conform with:

In USA, Manufactured Home Construction, and Safety Standard, Title 24 CFR, Part 3280;

In Canada, Install per current standards - Mobile Homes CAN/CSA Z240 MH.

The heat circulating blower has a flexible electrical cord that must be electrically grounded per local codes or per electrical codes:

In USA, NEC, ANSI/NFPA 70-latest edition. In Canada, CSA C22.1-latest edition

WARNING

Electrical grounding instructions. This appliance is equipped with a three-pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded receptacle. Do not cut or remove the grounding prong from this plug.

In some states or municipalities, a licensed gas fitter or plumber may be required to install this appliance. Check with the authority having jurisdiction for requirements in your area.

This appliance must be installed into a masonry or factory built solid fuel (wood) burning fireplace only.

This appliance has been designed to use 100 percent outside air for combustion.

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

Solid fuel must not be used with this appliance.

On initial start-up, follow procedure as outlined on page 12 for appliance "break-in".

Never seal the opening at the rear of the insert.

Never operate the unit with the relief door open.

This appliance may be used with a thermostat (see Optional Wall Thermostat). This appliance is certified for use in bedrooms. If installed in a bedroom in Canada, a thermostat <u>IS</u> required.

This appliance is tested and approved for installation at elevations of 0-4500 feet (0-1372 meters) above sea level. Consult local code and refer to ANSI Z223.1-latest edition for orifice resizing (see *High Altitude* on page 16). Consult with local authorities having jurisdiction.

DO NOT USE this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and gas control, which has been under water.

Ne pas se servir de cet appareil s'il a été plongé dans l'eau, complètement ou en partie. Appeler un technicien qualifié pour inspecter l'appareil et remplacer toute partie du système de contrôle et toute commande qui ont été plongés dans l'eau.

GAS PRESSURE (Also see page 11)

NATURAL GAS (NG)		
	Low	High
Inlet	4.5" WC minimum	7.0" WC maximum
Manifold	1.8" +/3" WC	3.5" +/3" WC
Input	18,000 BTU/hr	27,000 BTU/hr

PROPANE (LP)		
	Low	High
Inlet	11.0" WC minimum	13.0" WC maximum
Manifold	6.6" +/- ,3" WC	10.0"+/3" WC
Input	16,500 BTU/hr	25,000 BTU/hr

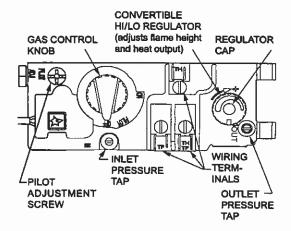
Notes:

- WC = Water Column
- See page 11 for definitions of inlet and manifold gas pressure.

PRESSURE TAPS

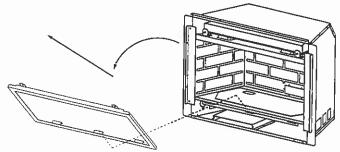
Gas inlet and outlet (manifold) pressure taps are provided on the top right of gas control valve for a test gauge connection.

GAS CONTROL VALVE DIAGRAM



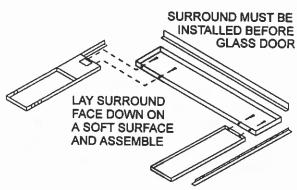
ASSEMBLY

- Remove insert from packaging and make sure all the components are present (See Packaging List on Table of Contents page). Install per instructions outlined in this manual.
- This appliance is designed to operate on natural gas, or propane (LP). It is factory set for Natural Gas and requires field conversion for use with Propane (this kit is located in the accessory package). The use of other fuels or combination of fuels will degrade the performance of this system and may be dangerous. See Fuel Conversion Procedure, pages 5 & 6.
- If this appliance is to be installed at elevations above 4500 feet (1372 meters) above sea level a High Altitude Kit must be installed (see page 16).
- 4. Run gas supply line (page 4) and install appliance into fireplace as outlined in this manual (pages 8-10)
- 5. Remove door frame assembly:
 - Unscrew the two wing nuts, one on the top left and one on the top right of the door frame assembly to insert body.
 - Carefully swing the door down to about a 45-degree angle, then lift to remove.



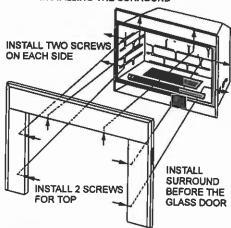
- If an optional remote control kit or wall thermostat is used, remove the control cover to access the gas valve. Connect the remote sensor unit or thermostat wire directly to the valve per the instructions provided with the kit (see Wiring Diagram, page 11).
- 7. Remove the surround kit components from the surround box (see Table of Contents page for the packaging list). Position each surround panel as shown (onto a soft, nonscratching surface). Next, fasten it in place with the screws provided (screws are 8-32 x 3/8" self tapping with a 1/4" hex head).

SURROUND ASSEMBLY (Shown Face Down)



Next, install the surround assembly onto appliance as shown in the following illustration. Plug in connectors from right surround panel into matching connectors on insert which are recessed on the right side.

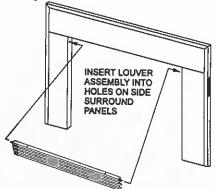
INSTALLING THE SURROUND



9. Install top louver assembly as follows:

Insert one pin on louver assembly into corresponding hole in side surround panel. Then press in the other pin and rotate louver assembly back into place until pin pops into corresponding hole on surround panel (suggestion: To avoid damage to the finish on the surround panels, place a small piece of cardboard over the pin as you depress it, then pull the cardboard out once the louver is in place).

Note: Pins on louver assembly are spring loaded. Be very careful not to damage the finish on the surround panels during installation.

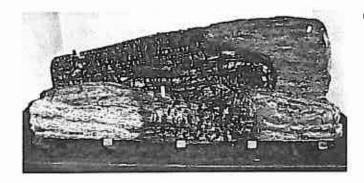


LOG SET INSTALLATION:

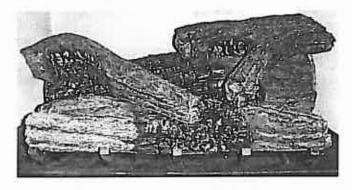
 Position the holes on the bottom of the largest log over the plns in the rear of firebox. Carefully place the log onto the pins.



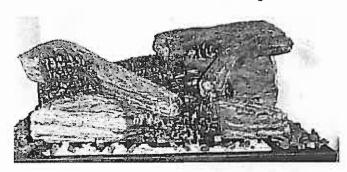
11. Place the front log as shown in the following picture.

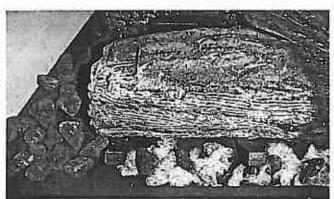


12. Position the two top twigs as shown below ensuring that the positioning holes on the bottom of the twigs are placed onto the pins on the rear log.



13. Break off nickel sized pieces of the ember wool material and spread it in front of the front log (over the burner ports) as shown below. Position the ceramic coals to the front and sides of the front log.





GAS SUPPLY HOOKUP:

AIMPORTANT

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

ACAUTION

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

A 24" flexible stainless steel connector with a 1/2" NPT ball valve (shut off) is provided to connect the incoming gas supply line to the appliance. Gas supply piping can be brought into the appliance through either the right or left side. Some areas may have restrictions against the use of flexible gas connectors. Check local codes. If the flex connector is not used, connection to valve fitting is 3/8" NPT.

A gas supply line must be run to the appliance by a qualified professional. The plumbing of the gas line must comply with National Standards; NFPA 54-National Fire Protection Association/ANSI Z223.1-American National Standards Institute; and local code. Gas piping must not run in or through air ducts, clothes chutes, chimneys or gas vents, dumb waiters or elevator shafts. Piping should be sloped 1/4" per 15 feet (6mm per 4.6m) upward toward the meter from the appliance. The piping must be supported at proper intervals every 8 to 10 ft.. (2.4m to 3.1m) using suitable hangers or straps.

The gas supply line must be purged of air before it is connected to the appliance.

An accessible, approved shutoff valve must be installed upstream of any connector so that the appliance may be isolated to allow service, removal, and replacement (within six feet of the appliance per NFPA 54, or twelve inches in some codes). A shut off valve is provided with this appliance.

The installer must provide a 1/8" NPT plugged tap in the field piping upstream of the gas supply connection to the appliance. The tap must be accessible for test gauge connection.

Isotate Appliance Main Gas Valve During Testing 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).

AIMPORTANT

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.

Make the connection to the gas supply line using the correct fitting required to the shutoff valve.

Install a drip leg where condensates might accumulate. Sediment traps, like drips and collection tees, are required to be installed. Traps collect moisture and intercept and hold foreign objects which might block orifices and valves. A drip leg should be installed in vertical pipe runs to the appliance.

After connecting the gas supply line to the appliance, do the following:

- a. Reinstall the door frame assembly.
- b. Light the appliance following the instructions on page 13 & 14 (See LIGHTING PROCEDURE). WARNING: IF THE PILOT DOES NOT LIGHT AFTER 1 MINUTE, WAIT AT LEAST 5 MINUTES FOR GAS TO CLEAR BEFORE ATTEMPTING AGAIN.
- c. Verify that the pilot and main burner ignition and operation are correct.
- Test all connections for leaks (factory and field) with a leak detector or soapy water solution.

ACAUTION

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.

 With burner lit, check to make sure that the inlet gas and manifold pressures are correct (see Gas Pressure, page 2).

Adjust main burner flame if necessary (see page 12, #7).

IMPORTANT: In case emergency shutoff is required, shut off main manual gas valve and disconnect main power to appliance. These devices should be properly labeled by the installer.

PROPANE (LP) CONVERSION KIT

(Only required if Propage gas is used)

This appliance is designed to operate on natural gas, or propane (LP). It is factory set for use with natural gas and requires field conversion for use with propane. The use of other fuels or combination of fuels will degrade the performance of this system and may be dangerous.

The conversion kit contains components required to convert this appliance from use with natural gas to use with propane (LP) Gas. All of the components in the propane conversion kit must be installed in order for the appliance to operate safely on propane.

INSTALLATION TOOLS/SUPPLIES

7/16" Open end wrench Small standard (slotted) screwdriver Pipe sealant compound (must be rated for use with LPG gas)

PARTS LIST

(The following parts are located in the accessory package)
Propane RB Regulator conversion screw (see page 6, #7a)
Burner Orifices (various sizes are included with kit, see page

16 - ANSI Z223.1 Table to determine correct size) Pilot Orifice

Label, Converted to (LP) Propane – Affix to valve Label, Converted to (LP) Propane – Affix to rating label

IN CANADA:

The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the CAN1-B149.1 and .2 Installation code.

La conversion devra être effectuée conformément aux recommandations des autorités provinciales ayant juridiction et conformément aux exigences du code d'installation CAN1-B149.1 ET.2.

Avertissement: cet équipement de conversion sera installé par une agence qualifiée de service conformément aux instructions du fabricant et toutes exigences et codes applicables de l'autorisés avoir la juridiction. Si l'information dans cette instruction n'est pas suivie exactement, un feu, explosion ou production de protoxyde de carbone peut résulter le dommages causer de propriété, perte ou biessure personnelle de vie. L'agence qualifiée de service est esponsable de l'installation propre de cet équipment. L'installation n'est pas propre et compléte jusqu'à l'opération de l'appareil converti est chéque suivant les critères établis dans les instructions de propriétaire provisionnées avec l'équipement.

AWARNING

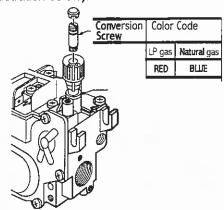
Conversion components must be installed by a qualified service agency in accordance with these instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide 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.

FUEL CONVERSION PROCEDURE

- Turn off Gas Turn gas control knob to the off position, and shut off the gas supply to the valve. If necessary, disconnect unit from gas supply.
- Caution: The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion. Unplug blower power cord.

- Select the appropriate orifice from the chart on page 16.
 If the required orifice is not provided in the kit, it can be ordered from Lennox.
- Install the burner orifice. If this appliance is to be installed at elevations above 4500 feet (1372 meters) above sea level a High Altitude Kit must be installed (see page 16).
 - a. Remove glass door (see page 3, #4)
 - b. Remove logs, burner cover, and burner.
 - Use a 7/16" open-end wrench to remove gas burner orifice.
 - Replace the burner orifice with the appropriate burner orifice provided in this kit (see instruction #3).
 - e. Use pipe sealing compound rated for LP gas. BE VERY CAREFUL THAT THE PIPE COMPOUND DOES NOT GET INSIDE OF THE ORIFICE (THIS COULD RESULT IN PLUGGING OF THE ORIFICE). Using a 7/16" open-end wrench to tighten orifice DO NOT OVER TIGHTEN (finger tight, then 1/2 turn maximum). *Make sure the orifice is inserted fully into the primary air shutter fixed opening.
- Adjust primary air shutter. Follow procedure on page 11

 Installation Check List, #7.
- 6. Replace Pilot Orifice Using a 7/16" open-end wrench, remove the pilot burner hood. Replace the pilot orifice with the one supplied in the propane conversion kit. Then, reinstall the pilot burner hood. Ensure that the mark on the pilot hood is lined up with the mark on the pilot mounting plate.
- 7. High/Low Pressure Regulator
 - Remove regulator cap and conversion screw (see illustration below).



- Install the new conversion screw (Red = Propane LP gas, Blue = Natural Gas). Ensure that the conversion screw is finger tight. Install the new regulator cap.
- c. Affix conversion label on gas control valve body where it can easily be seen.

- Reinstall burner cover, logs, ember wool/ceramic rocks and glass front.
- Purging Air From Supply Line:
 This should only be done by a qualified (& licensed where applicable) professional. Check with your local building official for qualifications required to perform this procedure.
- Purge air from the gas line (see #9 above), then connect propane gas line to the appliance. Connect the fuel line to the insert inlet (1/2" NPT fitting) using the fitting required.
- 11. Perform leak Test.

CAUTION

After this procedure is complete with unit installed and connected to gas line, recheck the pilot connection and manifold fittings for leaks, using soapy water or a gas leak detector.

12. Lighting Procedure-See Lighting Instructions, Page 13.

Note: If the gas control knob is turned to the "off" position after pilot has been lit, the unit must be allowed to cool for at least five minutes before pilot flame can be relit.

13. Apply the propane conversion label to the rating label.

Appliance is ready for use with propane fuel as its only fuel.

REFERENCE INFORMATION

See the insert rating label and page 2 of this manual for the following reference information:

- Manifold Gas Pressure
- Inlet Gas Pressure
- Input Ratings

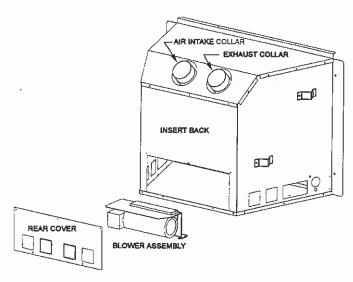
BURNER FLAME APPEARANCE

A periodic visual check of burner flames should be performed. The burner flame should appear as indicated on page 13 - Burner Flame Appearance.

ACCESSING THE HEAT CIRCULATING BLOWER FOR MAINTENANCE, ADJUSTMENT OR REPLACEMENT

- 1. Unplug 110-volt A.C. power supply to insert.
- 2. Shut off gas supply to insert.
- 3. Remove surround and surround trim.
- Disconnect both 3" flex connectors from exhaust and intake collars (<u>suggestion: label which one is exhaust</u> and which is Intake prior to removing).
- Pull insert body out of fireplace to gain access to back panel. Note: It may be necessary to disconnect gas supply line to insert.
- Remove the rear cover to access the blower. Then unplug the blower wiring harness by disconnecting the plastic molex connector at the blower.
- Remove the four 10-32 (k-lock) nuts that hold the blower assembly to the mounting bracket.
- Clean, adjust or replace blower and reassemble in reverse order. Note: All gas supply connections must be leak tested and air must be purged from system.

BLOWER ASSEMBLY REMOVAL ILLUSTRATION

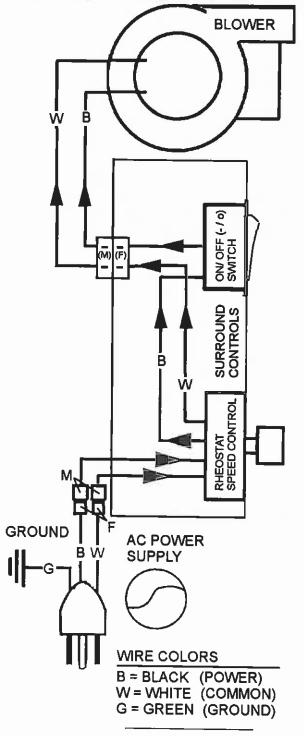


BLOWER OPERATION: See page 12. CODE REQUIREMENTS: See page 2.

BLOWER SYSTEM WIRING DIAGRAM

WARNING

The 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.



(F) FEMALE CONNECTOR (M) MALE CONNECTOR

Consult your local authority having jurisdiction for requirements in your area.

Before the fireplace Insert Is assembled and Installed, you must consider whether the unit must be converted for use with propane gas. You must also consider the vent and air intake length requirements.

CAUTION

The fireplace in which this gas insert is to be installed must be thoroughly cleaned if it has been used to burn wood or synthetic logs. Have the chimney and all inside surfaces of the fireplace brushed and vacuumed so that no soot, embers, or loose combustion deposits can be drawn into the heat circulation blower and blown into the living area. If any portion of the chimney system shows signs of structural or mechanical weaknesses, such as: cracks, leaky joints, corroded or warped surfaces, the faulty portion must be repaired or replaced prior to installing this appliance.

SELECTING A LOCATION

AWARNING

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

This appliance can be installed in most residential fireplace configurations. If installed close to an adjacent wall, ensure that the minimum clearances to combustible surfaces are maintained. A local building inspector should review your plans prior to installation.

CAUTION

When Installing the L20DI into a factory built fireplace, the firebox must accept the insert without modification other than removing bolted or screwed together pieces such as smoke shelf/deflectors, ash lips, screen or door tracks and damper assemblies, that must be reinstalled to restore the fireplace to its original operating condition if the insert is removed and not replaced. The removal of any part must not alter the integrity or outer shell of the pre-engineered fireplace cabinet in any way.

MINIMUM FIREPLACE DIMENSIONS

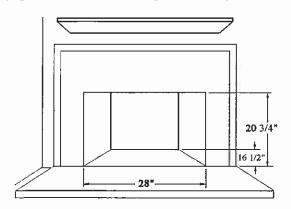
Approximate minimum Height: 20 3/4"

dimensions of fireplace Width @ front: 28 3/16" @ 5" depth

Width @ back:17 1/2" @16 1/2" depth

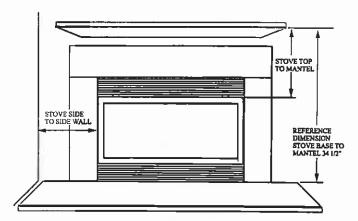
Depth: 16 1/2"

(See page 23 for actual Insert body dimensions).



MINIMUM CLEARANCES TO COMBUSTIBLES

- Minimum clearances from spacers/standoffs or surfaces to combustible construction.
- The clearances listed below are minimum distances (see Venting Requirements).
- Paint or lacquer used to finish the mantel must be heat resistant in order to avoid discoloration.



Insert Top to Celling Minimum 36 in. / 915 mm
Side Wali Minimum 12 in. / 305 mm
Insert Top to Mantel Minimum 14 in. / 356 mm
Mantel Projection Maximum 12 in. / 305 mm
This includes any projections such as shelves, window sills, mantels, etc. above the appliance.
Floor Minimum 7 in. / 178 mm
This clearance is not required if the hearth protein

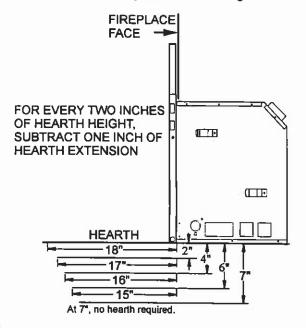
This clearance is not required if the hearth protection extends 18" (minimum) in front of the appliance. See Hearth/Floor Protection below.

HEARTH/FLOOR PROTECTION

If a 7" clearance to combustible flooring is not possible, a non-combustible hearth extending 18" in front of the appliance is required.

Elevated Hearth:

If hearth is elevated (see below), subtract one inch of hearth extension required for every two inches of height.



Page 8

INSTALLATION INTO A MASONRY FIREPLACE.

When the insert will be installed into a masonry fireplace, install a 3" single wall flexible liner which meets UL181 for intake air. Install a second 3" aluminum gas vent flexible liner which meets UL1777 for the exhaust pipe.

Before running the flexible liners, make sure that both liners will pass through existing damper area. Remove or lock damper to allow the passage of the flexible liners. If the damper will not allow the passage of both liners, DO NOT PROCEED FURTHER. Consult a local mason for removal of the damper without risk of structural damage or leakage.

Before installing venting, mark the flexible liners on each end to designate which is intake and which is exhaust.

Stretch each 3" flexible liner and run it down the chimney until it reaches the hearth. Extend each of the flex liners 3" beyond the chimney and cut off excess.

At the top of the existing chimney, cut the termination cap flashing and bend it to fit the chimney top. If the termination cap must be modified, silicone all seams to seal the cap.

Attach the 3" gas vent flexible liner (exhaust) to the vent termination collar labeled "exhaust" and attach the 3" air intake liner to the vent termination collar labeled "air intake" (see illustration on this page). Do not hook 3" gas vent liner (exhaust) to the air intake collar. This will cause operational malfunctions.

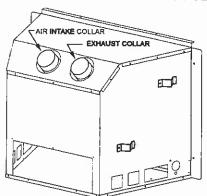
Place a bead of silicone on the bottom of the cap flashing, position the flashing, and secure it to the chimney.

Cut each of the flexible liners 17 1/2" above the top of the hearth. Connect the exhaust liner to exhaust collar on the rear of the appliance (see illustration). Then, connect the intake flexible liner to the air intake collar. Note: Use the two stainless steel hose clamps provided or 4 sheet metal screws to secure liner to each collar.

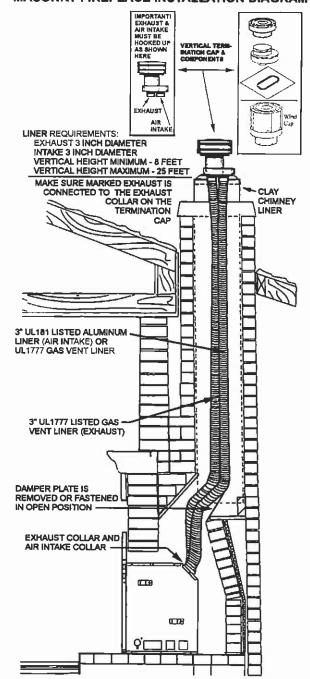
WARNING

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

VIEW FROM BACK OF APPLIANCE



MASONRY FIREPLACE INSTALLATION DIAGRAM



- Flexible vent pipe is packaged and shipped in its contracted state. When installing flexible vent pipe, its length may be expanded to twice it contracted size. This appliance is approved for 25 feet maximum vertical venting (from the outlet to termination).
- The flexible vent pipe must not be allowed to sag behind the fireplace.
- The fireplace structure in which this appliance is to be installed must comply with National Building Code for Fireplace and Chimneys (UBC 37).

AIMPORTANT

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

INSTALLATION INTO A FACTORY BUILT FIREPLACE

When the insert will be installed into a factory built fireplace, install a 3" single wall flexible liner which meets UL181 for intake air. Install a second 3" aluminum gas vent flexible liner which meets UL1777 for the exhaust pipe.

Before running the flexible liners, make sure that both liners will pass through existing damper area. Remove or lock damper to allow the passage of the flexible liners. If the damper will not allow the passage of both liners, DO NOT PROCEED FURTHER.

Before Installing venting components, mark the flexible liners on each end to designate which is intake and which is exhaust.

Stretch each 3" flexible liner and run it down the chimney until it reaches the hearth. Extend each of the flex liners 3" beyond the chimney and cut off excess.

At the top of the existing chimney, cut the termination cap flashing and bend it to fit chimney top. If termination cap must be modified, silicone all seams to seal cap.

Attach the 3" gas vent flexible liner (exhaust) to the vent termination collar labeled "exhaust" and attach the 3" aluminum air intake liner to the vent termination collar labeled "air intake" (see illustration on this page). Do not hook 3" gas vent liner (exhaust) to the air intake collar. This will cause operational malfunctions.

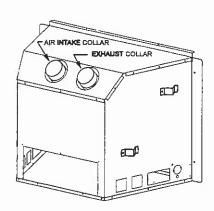
Place a bead of silicone on the bottom of the cap flashing, position the flashing, and secure it to the chimney.

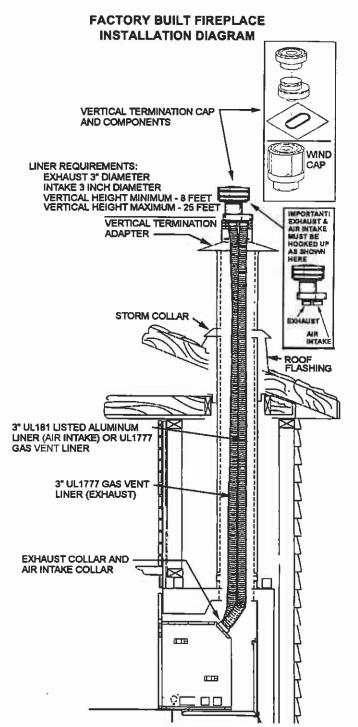
Cut each of the flexible liners 17 1/2" above the top of the hearth. Connect the exhaust liner to exhaust collar on the rear of the appliance (see illustration). Then, connect the intake flexible liner to the air intake collar. Note: Use the two stainless steel hose clamps provided or 4 sheet metal screws to secure liner to each collar.

WARNING

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

VIEW FROM BACK OF APPLIANCE





- Flexible vent pipe is packaged and shipped in its contracted state. When installing flexible vent pipe, its length may be expanded to twice it contracted size. This appliance is approved for 25 feet maximum vertical venting (from the outlet to termination).
- The flexible vent pipe must not be allowed to sag behind the fireplace.



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

CHECK LIST

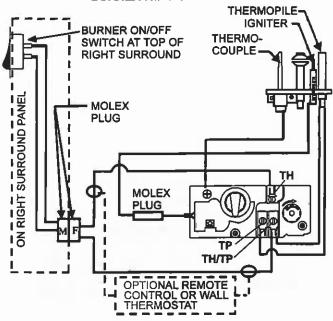
Read and understand these instructions before using this appliance.

- Check that the log assembly is properly installed. Use caution when handling the log assembly as it may easily be damaged or broken.
- Check to see that wiring is correct and enclosed.

CAUTIONS

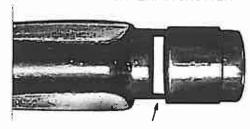
Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

BURNER WIRING DIAGRAM



- 3. Verify that the gas line has been purged of air.
- Check that there are no gas leaks. If you smell gas, do not attempt to light this appliance. Follow safety instructions on the front of this manual.
- Check that glass front is properly installed. <u>DO NOT</u> operate the appliance with the glass front off.
- Check that the exhaust collar and air intake on termination cap are unobstructed.
- Burner air shutter opening to be: Natural Gas 1/8" and Propane 1/4" gap. Some adjustment from standard may be necessary to achieve desired flame characteristics (see Burner Flame Appearance).

FRONT BURNER AIR SHUTTER



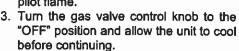
ADJUST GAP

Check that relief door is properly closed.

PILOT LIGHT ADJUSTMENT

To ensure proper gas valve operation, the pilot flame should impinge upon both the thermopile and the thermocouple. In some installations, the size of the pilot may have to be adjusted. If the pilot flame varies greatly from the diagram shown below, consult a Lennox service technician (see diagram on page 2 showing location of pilot adjustment screw). Pilot Flame Check:

- 1. Light pilot as outlined in lighting instructions on page 13.
- Observe the pilot flame. A torch-like flame should extend from each of the three pilot hoods. If the flame does not appear as shown here, contact a Lennox service technician. Do not attempt to operate the appliance without a proper pilot flame.





GAS PRESSURE ADJUSTMENT

There are two gas pressure regulators, which regulate the gas pressure to (and through) the appliance.

Gas pressure taps (see diagram, page 2)

INLET (IN)—This tap is used for checking gas pressure to the valve from the **Service Pressure Regulator** provided by the gas supplier (it regulates gas pressure to appliance). This regulator is outside the dwelling and is the responsibility of the gas supplier.

MANIFOLD (OUT) - This tap is used for checking gas pressure from RB regulator on the gas valve (it regulates the pressure into the burner and controls flame height and heat output).

Gas Manifold Pressure Test: Pressure regulators are not likely to fail, but it is possible that it is improperly adjusted. An improperly adjusted appliance gas pressure regulator can cause:

- Gas pressure regulator set too high. The flames will appear too large, reaching the top of the firebox. The flame will lift off the burner surface.
- Gas pressure regulator set too low. The flames will appear small, barely reaching above the burner. It will look lazy and if low enough will cause flame to flashback into burner (flashback occurs when the flame burns quicker than the gas flows through the holes in the burner).

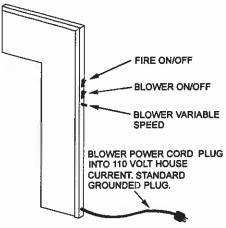
Confirm that the service pressure regulator is set correctly (call the gas company if supply pressure must be adjusted. Ensure that the flow capacity allows correct gas delivery (see NFPA 54. Gas Flow Capacity Tables). If the flame does not appear as it should, use a manometer to test the inlet and manifold gas pressures. Turn the flame height control to the highest setting for test.

IMPORTANT: All gas units on system must be set to maximum input pressure for the pressure test to be accurate.

HEAT CIRCULATION BLOWER OPERATION

The appliance includes a 120 cfm fan assembly, an ON/OFF switch and a variable speed blower control rheostat. Plug the power cord into a 110-volt A.C. grounded power supply. Turn the fan ON/OFF switch to the "ON" position. Rotate the rheostat dial to the desired speed.

CONTROLS DIAGRAM



Note: See electrical code requirements page 2.

OPTIONAL WALL THERMOSTAT (P/N 10N64)

The wall thermostat needs to be capable of operation on 250 to 750 millivolts from the thermopile. To ensure proper operation, use only the correct size and type of thermostat wire as indicated below. The thermostat should be mounted central to the area to be heated about 5' above the floor. Run the wire so that it will not be subject to snagging or damage. To wire the thermostat, disconnect both wires from the ON/OFF switch at the control valve, then connect the two thermostat wires to the TH and TH/TP terminals. This will leave the ON/OFF switch inoperative. In this configuration, it is recommended that a thermostat with a built-in positive "OFF" be used to ensure main burner "OFF" control.

WHEN USING WIRE SIZE SHOWN BELOW, DO NOT EXCEED THE MAXIMUM LENGTH AS INDICATED.

Maximum Length One Way
100 feet
64 feet
40 feet
25 feet

OPTIONAL REMOTE CONTROL

Install and operate remote control per manufacturer's instructions provided with kit. See wiring diagram, page 11.

(p/n 26N04) specifications: Burner on/off control. Signal type - Radio Frequency.

(p/n 98K99) specifications: LCD readout, manual on/off, thermostatic control on/off, timer on/off, 24-hour clock, room temperature. Signal type - Radio Frequency.

APPLIANCE "BREAK-IN" PROCEDURE

There will be some odor during the first 15 hours of operation. This is caused from the curing of the insert paint and applying heat to the unit components for the first time. The odor will dissipate quickly if windows are opened to allow increased air circulation.

KEEP YOUR HOUSE WELL VENTILATED DURING THE INITIAL BURN. THE CHEMICAL SMELL AND HAZE EMITTED MAY SET OFF A SMOKE DETECTOR.

GLASS DOOR ASSEMBLY



Use only glass door assemblies certified for use with this appliance.

CAUTION: If the door assembly or glass is broken or damaged (in any way), these components must be replaced before heater can be safely operated. Use only components provided by Lennox as replacement parts and installed by a Lennox service technician. Do not substitute any other glass or components on this heater. Use of substitute components may lead to improper operation of heater and may be a safety hazard.

Do not strike glass. Do not slam door frame shut. This may lead to breakage and/or leakage of flue products into dwelling.

LIGHTING PROCEDURE

AWARNING

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.

- 1. Turn burner (fire) On/Off switch to the "Off" position.
- Turn off all electric power to the appliance (unplug fan power cord).
- 3. Push in gas control knob slightly then turn it clockwise for to the "OFF" position. NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force. Wait 5 minutes to clear out any gas. If you smell gas, STOP! Follow safety information on the front cover of this manual. If you do not smell gas, go to the next step.
- 4. Turn gas control knob counterclockwise \(\frac{1}{12} \) to "PILOT".
- 5.If the insert is being lit for the first time or after disconnection from gas lines, purge air from gas lines and connections.
- 6.Push the gas control knob down all the way and hold. Immediately light the pilot by pressing the igniter button. Continue to hold the gas control knob down for about 1 minute after the pilot is lit. Release the knob and it will pop back out. The pilot should remain lit. If it goes out, repeat steps 1 through 5, holding knob down for an additional 15 seconds. WARNING: IF THE PILOT WILL NOT LIGHT AFTER 1 MINUTE, WAIT 5 MINUTES FOR GAS TO CLEAR BEFORE ATTEMPTING AGAIN.

AIMPORTANT

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.

If pilot will not stay lit after several tries, turn the gas control knob to "Off" and call a Lennox service technician or your gas supplier.

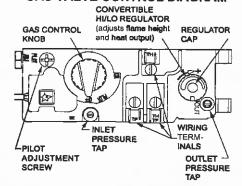
- 7. Turn gas control knob to the "ON" position
- 8. Turn the Burner On:
 - a. If the "fire" <u>ON/OFF Switch</u> is used (no thermostat or remote installed) Turn the ON/OFF switch to the "ON" position (see Burner and Blower Control Diagram on this page).
 - If the optional <u>Wall Thermostat</u> is used, set it above the room temperature setting so that it will be calling for heat.
 - If the optional <u>Remote control</u> is being used, follow the manufacturer's instructions included with the remote.

Once the burner circuit has been completed by one of these three components, the main burner should come on.

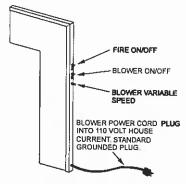
 Adjust the HI/LO knob (flame height and heat output regulator) to desired setting.

Note: If valve gas control knob is turned to the off position after the pilot has been lit, the unit must allowed to cool for at least five minutes before pilot can be relit.

GAS VALVE CONTROL DIAGRAM



BURNER AND BLOWER CONTROL DIAGRAM

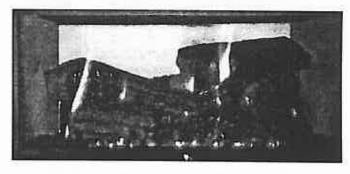


BURNER FLAME APPEARANCE

A periodic visual check of the burner flames should be performed. The burner flame should look like the picture shown below and have the following characteristics:

- Burner flames should have yellowish tips (it is normal for flame to appear blue during first 20 minutes of operation).
- No soot should form at burner flame tips.
- Flame should not rise off of burner (flame "lifting").

If the burner flame does not show proper appearance or behavior, as outlined here, consult a Lennox service technician.



SHUTDOWN PROCEDURE

For short periods of time, the main burner may be kept from operating by turning the gas control knob to "PILOT" or the ON/OFF switch to the "OFF" position. If either an optional wall thermostat or remote control is used, turn it off instead of the ON/OFF switch. The pilot burner will remain lit. For longer periods of shutdown, push the gas control knob down and turn to "OFF". This will shut off both the pilot and main burner. The pilot will have to be relit when resumed use of the appliance is desired. SEE LIGHTING PROCEDURE ON THIS PAGE.

ACAUTION

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

WARNING

All maintenance should be performed by a qualified service technician.

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

Do not clean or service this heater when hot.

OPENING GLASS DOOR

AWARNING

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.

Do not open door when insert is hot. See page 3, #4 for instructions on removing the glass door assembly.

LOG SET

AWARNING

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.

Removing & Cleaning Logs - Carefully remove the logs (removing top twigs, then lifting front log out, then rear log). Use care when handling the fiber logs, as they become quite fragile after curing. Remove any carbon deposits from the under side of the logs using a soft bristled brush. Do not use solvents, cleaning solutions or water on logs.

Reinstalling Logs - (To be done after burner and pilot assembly has been cleaned). Reinstall logs per log placement instructions (see page 3). Improper positioning of logs may create carbon build-up and will alter the performance of the insert.

Replacing Logs - If logs become broken or damaged and need replacement, use only the proper replacement logs from manufacturer, which can be purchased from a Lennox service technician. Place damaged logs in a sealed bag prior to disposal.

CLEANING BURNER

Keep the burner and control compartment clean by using a clean, dry paintbrush and vacuum at least once a year.

With the logs removed, vacuum out any foreign matter (lint, carbon etc.) on the burner. Be sure the burner ports are "open."

CLEANING PILOT ASSEMBLY

This procedure must be performed by a Lennox service technician who is familiar with the specific characteristics of this type appliance.

CLEANING VALVE/AIR SHUTTER

Clean all lint and dust build-up around the control valve and air shutter on the burner. Inspect and clean with a brush or wire. Inspect the inlet of the air shutter for any spider webs or lint accumulation.

INSPECT WIRING

CAUTIONS

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

Inspect and clean all wire connections. Ensure that there is no melting or damage from rodents. Inspection should include:

- Terminals at the valve
- On/Off switch
- Wall Thermostat / Remote Control (optional parts)

CHECK BURNER FLAME APPEARANCE

Visually check the flame of the burner periodically making sure the flames are steady and not lifting or floating (see page 13 - Burner Flame appearance).

INSPECT VENTING/COMBUSTION AIR SYSTEM

The periodic examination of the venting system is required. This should be done before initial use and at least annually. The venting system must be inspected to ensure that the flow of combustion and ventilation air is not obstructed or inhibited. If the exhaust vent or air intake system is disassembled for any reason, the Lennox service technician should follow the vent manufacturer's instructions for proper reassembly and sealing of the exhaust vent and air intake systems.

CLEANING GLASS

(Also, see page 12, Glass Door Assembly). Do not use abrasive cleaners on glass.

The viewing glass should be cleaned periodically. Exterior glass may be cleaned with a glass cleaner as desired. Interior glass - use soap and water, or commercial glass cleaner recommended for stove glass.

Note: Each time the appliance is lit, it may cause condensation and fog on the glass. This condensation and fog will disappear in a few minutes.

CLOSING THE GLASS DOOR

ALWAYS MAKE SURE THE GLASS DOOR ASSEMBLY IS PROPERLY SECURED AND SEALED PRIOR TO OPERATING THE INSERT (also see page 12, Glass Door Assembly).

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

PERIODIC CHECK OF PILOT AND BURNER FLAMES IS REQUIRED

Check the operation of the pilot and cycle the burner. Visually check the flame of the burner making sure the flames are steady; not lifting or floating. The flame color should be blue at the burner with yellow body and tops.

Cycle unit a minimum of 2 times

- Watch for smooth burner ignition and shut down.
- Burner: Check flame patterns. Ensure that burner flame appearance does not vary greatly from diagram shown on page 13. The flame should be steady, not lifting, or floating.
- Pilot: Ensure pilot flame appearance does not vary greatly from diagram shown on page 11.

THERMOPILE/THERMOCOUPLE OPERATION

- Thermopile: Millivolt production should be a minimum of 325 MV with pilot only.
- Thermocouple: Millivolt production should be a minimum of 14 MV with pilot only.

DROP OUT RATE

- TP 50-60 MV
- TP 1 1/2-2 Min. (3 max.) if longer, replace thermopile

CHECK FOR CARBON MONOXIDE PRESENCE

CHECK FOR GAS LEAKS

CLEANING THE ROOM AIR BLOWER

UNPLUG POWER CORD. See page 7 for instructions on accessing blower assembly. Remove any deposits from the room air blower inlets (accumulations of carpet fibers, pet hair, dust, etc.). Use a brush and/or light vacuuming for cleaning. The frequency of cleaning should be increased if pets are in the dwelling. The room air blower is equipped with sealed lubricated bearings that do not need additional lubrication. For this reason, it is recommended that you do not try to add any drops of oil to them (excess oil can ruin the blower).

HIGH ALTITUDE

HIGH ALTITUDE KIT (P/N #95L96)

Note: Units using propane must be field converted using the LP Conversion Kit included with appliance.

For high altitude installations consult the local gas distributor or the authority having jurisdiction for proper rating methods. If the installer must convert the unit to adjust for varying altitudes, the information label (provided in this optional kit) must be filled out by the installer and adhered to the appliance at the time of conversion.

USA and Canada - Appliance is tested and approved for elevations of 0-4500 feet (0-1372 meters). Consult local code and refer to ANSI Z223.1-latest edition for orifice resizing. Consult with local authorities having jurisdiction.

At higher elevations (as defined above), reoplace the burner orifice to reduce input per the ANSI Z223.1 tables shown on this page. This is necessary because higher altitudes affect the atmospheric pressure and heat value of gaseous fuels. When installing this unit at high altitudes, the rated input will be lower than at sea level. The reduced oxygen content in the air and lower gas density requires installing a different orifice in order to achieve clean combustion.

The High Altitude Kit includes several different size orifices (the size is stamped on the hex portion of each orifice). You will need to match altitude and fuel requirements from the correct chart to determine which size you will use at elevations above 8000 feet (2439 meters), the orifices sizes 44, 45 & 55 are not included in this kit. These sizes can be ordered from an authorized Lennox dealer or the Lennox technician can drill the required size using an orifice drill. The orifice size 63 is included in this kit for that purpose. See the following procedure for drilling.

Drilling procedure: Starting from the backside of the #63 orifice, drill by hand using a numbered orifice drill. Since the orifice head is fairly thin, it can be easily bored to the required size. Use only finger turning pressure to turn the orifice drill to enlarge the hole. After the correct hole size is drilled, lightly debur both sides of the hole (i.e. use a 1/4" drill bit and very lightly turn it to chamfer the hole). This will eliminate the chance of the orifice whistling when the main burner is turned on.

PARTS LIST

1ea. Orifice, size # 42 (.0935")

1ea. Orifice, size # 43 (.0890")

1ea. Orifice, size # 54 (.0550")

1ea. Orifice, size # 63 (.0370")

1ea. Instruction Sheet

REPLACING BURNER ORIFICES

- 1. Remove glass door (See Page 3, #4).
- 2. Remove logs, burner and burner cover.
- 3. Using a 7/16" open end-wrench, remove the gas burner orifice.

- 4. Replace the burner orifice with the new high altitude orifice, using pipe-sealing compound rated for gas. BE VERY CAREFUL THAT THE PIPE COMPOUND DOES NOT GET INSIDE OF THE ORIFICE (THIS COULD RESULT IN PLUGGING OF THE ORIFICE). Using a 7/16" end-wrench, tighten the new orifice DO NOT OVER TIGHTEN. Make sure the orifice is inserted fully into the primary air shutter fixed opening.
- Reinstall burner, burner cover, logs and ceramic rock wool. Reinstall door.

AFTER THIS PROCEDURE IS COMPLETE WITH UNIT INSTALLED AND CONNECTED TO GAS LINE, RECHECK THE PILOT CONNECTION AND MANIFOLD FITTINGS FOR LEAKS, USING SOAPY WATER OR A GAS LEAK DETECTOR.

U.S.A. AND CANADA REQUIREMENTS

DRILL SIZING CHART / MAXIMUM SIZE VS ALTITUDE

(ANSI Z223.1 Table)

Altitude	Natural Gas	Propane (LP)	
Sea Level	* #40	#53	_
>2,000 Ft.	#40	#53	
>3,000 Ft.	#40	#53	
>4,500 Ft.	#42	#54	
>5,000 Ft.	#42	#54	
>6,000 F1.	#43	#54	
>7,000 Ft.	#43	#54	
>8,000 Ft.	#44	#55	
>9,000 Ft.	#44	#55	
>10,000 Ft.	#45	#55	

- * As equipped from factory
- As provided in propane conversion kit (included in accessory package).
- Altitude <u>U.S.A and Canada: For installations from 2.000-4.500 feet (610-1.372M)</u> the orifices sizes (DMS) for natural and propane gas are (NG #40 and LP #53). See data plate for additional information. No derating required with the orifice as equipped from factory and manifold pressures and input ratings as shown on page 2 of this manual. For installation higher than altitudes shown above, reorifice per Gas Codes and product manual.

Note: The ">" (greater than) symbol indicates elevations higher than number shown.

TROUBLESHOOTING - To be performed by a Lennox service technician only

1. IGNITER WILL NOT LIGHT THE PILOT AFTER REPEATED PRESSING OF THE IGNITER BUTTON.

WARNING: IF THE PILOT WILL NOT LIGHT AFTER 1 MINUTE OF ATTEMPTING, WAIT FOR AT LEAST 5 MINUTES FOR GAS TO CLEAR BEFORE ATTEMPTING AGAIN.

A. No gas.

Tum on gas.

- B. Air is not purged from gas lines.
 - Purge line by holding gas control (pilot/on/off) knob down in the pilot position until gas is available.
- C. Poor or no spark from piezo igniter.
 - Check for loose connection on igniter.
 - Check for spark. If electrode connection is correct and no spark, replace igniter.
- D. Misaligned electrode at pilot.
 - Spark should be extending approx. 1/8" to pilot hood. Adjust gap to give proper spark. Remove hands from electrode before pressing igniter button.
- E. Hood Misaligned.

Realign.

- F. Wire Disconnected.
 - Check wiring.

2. PILOT WILL NOT LIGHT.

- A. Poor connection of thermocouple at valve.
 - Check thermocouple connection and tighten if necessary.
- B. Pilot knob not held down long enough or not fully depressed.
 - Fully depress pilot/on/off knob to bottom and hold down for 60 seconds
- D. Main burner switch "ON".
 - ▼ Tum main burner switch "OFF"
- E. Faulty EMU.
 - Check valve. Replace valve if necessary.

3. PILOT LIGHT WILL NOT STAY LIT.

- A. Improper pilots adjustment.
 - Check pilot flame. Adjust flame, if necessary.
- B. Defective thermocouple.
 - Check thermocouple voltage with meter. Replace thermocouple if it does not meet the following specifications:
 - 14 MV minimum (no load i.e. bench test/disconnected from valve).
 - * 10-14 MV (under load w/pilot only),
 - 6-9 MV (under load w/burner on).

Note: Wait 60-90 seconds after pilot engages before checking millivolt production.

4. PILOT DROPS OUT WHEN MAIN BURNER IS SWITCHED ON.

- A. Main burner switch wired incorrectly.
 Correct wiring (see page 11).
- B. Main burner wire shorted or stressed.
 Check wire and correct if necessary.
- C. Faulty main burner EMU.
 - Check valve. * Replace valve if necessary.
- D. Improper pilot adjustment.
 - Check pilot flame. Adjust flame if necessary.
- E. ON/OFF switch defective.
 - Check ON/OFF switch for proper connections. Connect wires across terminal at ON/OFF switch. If burner comes on, replace ON/OFF switch. If not, jumper junctions at valve. If burner comes on, replace wires.

5. BURNER WILL NOT COME ON.

With pilot lit, control knob and On/Off switch in "ON" position, no gas to burner.

- A. Pilot is out.
 - Light pilot.
- B. Pilot/On/Off knob is in "Pilot" position.

 ☑> Turn to "On" position.
- C. Burner On/Off switch is in "Off" position.
 IN Turn to "On" position. Check ON/OFF switch for proper connections. Connect wires across terminal at ON/OFF switch. If burner comes on, replace ON/OFF switch. If not, jumper junctions at valve. If burner comes on, replace wires.
- D. Wire connections are loose.
 - Check wire connections. Tighten or replace if necessary.
- E. Low millivolt output by thermopile.
 - Check millivoit production. Replace Thermopile if necessary,
- Excessive resistance through wires, connections, thermostat or remote control.
 - ☼ Check system resistance by turning the burner on.
 - Thermostat contacts CLOSED (or)
 - Fire On/Off Switch On (or)
 - Remote control On.

Next, perform a millivolt check between terminals TP/TH and TH. Your reading should be 80 MV maximum (this is an approximate number). The higher the number, the greater the resistance. Low resistance is desirable. If the millivolt reading is more than 80 MV, reduce resis-

fance as follows:

- Clean and tighten wire connections at valve, Fire on/off switch and thermostat or remote sensor if applicable.
- If applicable, shorten thermostat lead wires and/or replace with heavier gage wire.
- If applicable, cycle thermostat rapidly (manually turn knob) to clean contacts. Note: Thermostat must be rated for low voltage.

6. GLASS DEVELOPS MILKY WHITE FILM (ON INSIDE).

- A. Result of by-products in the fuel/mineral residues..
 - Use a good glass cleaner (preferably cream or paste) to remove.

7. GLASS FOGS UP.

A. A normal result of gas combustion.

No action necessary. After the heater has warmed up, the glass will clear.

8. BLUE FLAMES.

A. Normal during first 20 minutes.

No action is necessary. Flames will begin to turn more yellowish after about 20 minutes of burning.

9. STICKING VALVES.

 Debris and moisture from the gas line clogging valve.

Improper plumbing, no drip leg in line to prevent travel of moisture and dirt. Replace damaged valve and correct plumbing.

10. FLAME NOISE (RUMBLING/ GURGLING).

A. Excessive primary air.

Adjust burner air shutter (see page 11, #7).

11.ORIFICE NOISE (BUZZ/WHISTLE).

A. Debris lodged in orifice.

- B. Burr in main burner orifice.Debur or replace orifice.
- C. Excessive gas pressure.
 - Check inlet & manifold gas pressure. See page 11.

12. GAS SMELL

- Loose fittings may be allowing gas to escape.
 - Ex 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.

13.SOOT &/OR FLOATING FLAMES. USUALLY ACCOMPANIED BY THE ODOR OF ALDEHYDES.

A. First Rule Out:

Soot staining and soiling of carpets, drapes, windows & other household components can often be traced to the use of such items as candles, oil lamps, incense, and other misc. aromatic offgassing materials.

Note 1.

IF SOOT IS NOT PRESENT IN THE FIREBOX, IT CANNOT BE THE SOURCE OF THE EXTERNAL SOOT.

Note 2.

What is Sooting: Free carbon produced by potentially dangerous improper or incomplete combustion of gas.

Note 3

What are Floating Flames: Lazy, illdefined, quiet flame, which roll around sometimes completely off the port. Potentially dangerous incomplete combustion.

- Check appliance input rate (gas pressure: inlet and manifold, & burner orifice size) and reduce if necessary.
- Insufficient secondary air due to restricted exhaust flow (the rate at which the exhaust leaves determines the rate at which the secondary air is delivered). Exhaust or intake pipe not secured, vent termination interference. Blocked burners/flame impingement: Correct log & burner positioning.
- Insufficient primary air (yellow tipping): Adjust primary air. Make sure the air shutter opening is free from dust or debris.
- IN ALL CASES: Annual Service Procedure should be performed.
- Propane Units: LP tanks can suffer pressure decreases, which can result

- in sooting as it approaches empty.

14.BURNER FLASHBACK AIR/GAS MIXTURE IGNITES INSIDE BURNER NEAR ORIFICE.

This creates a roaring noise (like blow-torch). Production of carbon monoxide & aldehydes possible. Soot may clog inside of burner. Problem: Imbalance of gas flow velocity & burning speed pattern.

- A. Excessive primary air.
 - Reduce primary air, being careful to avoid yellow tipping.
- B. Burner input underrated
 - Ex Check input rate. Check input pressure using a manometer. Replace *RB regulator. Confirm correct gas pressure at house meter or tank (call gas company). Improper gas pipe size, correct plumbing. Confirm correct size burner orifice (see chart under "High Altitude").
- C. Valve leak if flashback occurs w/ burner valve in "OFF" position.
 \(\times \) Replace valve.

15.DELAYED IGNITION (MAKES A SUDDEN "WHOOSH" NOISE AS BURNER LIGHTS).

- A. This is a buildup of gases prior to ignition. This is more prevalent with propane (LP) fuel, since propane gas is heavier than air (natural gas is lighter than air).
 - Primary air shutter closed too far. Adjust shutter to correct gap.
 - Burner ports plugged, not allowing proper flame travel. Clean ports.
 - Pilot is not positioned close enough to light up row on burner. Adjust pilot or burner location.
 - Logs placed improperty interfering with flame travel. Correct log positioning.
 - Wunit not properly derated for higher altitudes. Derate unit.
 - Excessive gas pressure Call gas company.

16.FLAME LIFTS FROM BURNER AND PILOT.

 A. Air Starvation. Poor connection of venting components. Check vent exhaust and air intake component connections.

17.INTERMITTENT LIFTING AND CYCLING OF FLAME. POSSIBLE INTERMITTENT PILOT DROPOUT PROBLEMS.

- A.High wind conditions.
 - Install high wind cap
- B. Cap Obstructed.
 - Check for siding or other materials obstructing or overlapping vent cap. Reset cap ensuring that nothing overlaps or obstructs it.
- C. External Environment i.e. Buildings, trees, rooflines interfering w/ venting.

 ∑ Correct installation.

18.AIR CIRCULATION BLOWER MAKES A HUMMING SOUND; BUT NO AIR IS BEING CIRCULATED.

- A. Blower impeller blades are dirty.
 - Disconnect electrical power to air circulation blower (unplug power cord).

 Access blower and clean blower impeller blades (see page 7).
- B. Blower speed control (rheostat) or Burner On/Off switch is defective.
 - Make sure the blower On/Off switch is in the "On" position. Make sure the power cord is properly plugged into a functioning outlet. Replace rheostat or On/Off switch if necessary.
- C. Room air blower is defective.
 - Replace Blower.

REPLACEMENT PARTS LIST		OPTIONAL PARTS LIST	
Catalog	Part	Catalog	Part
Number	Description	Number	Description
		94L17	Surround, Standard, Charcoal,
52L19	Blower Replacement		41 1/4" Width x 27 5/8" Height
52L15	Pilot Assembly NG with LPG Conversion,	94L18	Surround, Standard, Polish Brass,
	Replacement		41 1/4" Width x 27 5/8" Height
51L69	Flex Line, 24" w/o Ball Valve, Replacement	94L19	Surround, Standard, Antique Brass,
64L98	Control Valve, Honeywell, Replacement,		41 1/4" Width x 27 5/8" Height
04190	Natural Gas (NG) & Propane (LPG)	94L20	Surround, Large, Charcoal,
071/54	Outline Outline Course		48 1/4" Width x 31 1/4" Height
27K54	Switch, On/Off, Replacement (Burner Switch & Blower Switch	94L21	Surround, Large, Polish Brass,
071/70			48 1/4" Width x 31 1/4" Height
27K53	Rheostat, Replacement (Blower Speed Control)	94L22	Surround, Large, Antique Brass,
		34LZZ	48 1/4" Width x 31 1/4" Height
94L23	Burner Assembly, Replacement	26NO4	Remote Control Kit (on/off control)
94L24	(Shut Off) Ball Valve 3/8" Flair x 1/2" NPT,		,
	Replacement	98K99	Remote Control Kit, Deluxe with Thermostat and LED readout.
94L25	Burner Cover, Flat Window, Replacement	10N64	Thermostat, Wall
94L28	Wire Set, Direct Vent, Complete,	101104	memosut, wan
0.220	Replacement	95L96	High Altitude Kit
94L30	Log Set, Replacement		
35L10	Unit Mounted Control Kit (used when		
	optional surround assembly is not used)		
94L31	Window & Frame Replacement, Flat		
94L34	Control Door, Flat with hinges,		
	Replacement (for units with flat windows only)		
	V,/		

NOTE PAGE	
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FOR YOUR SAFETY READ BEFORE LIGHTING

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

- A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly,
- B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

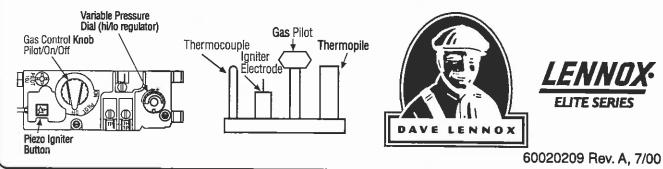
- Do not try to light any appliance.
 Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- . If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use 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.

LIGHTING INSTRUCTIONS

- 1. STOP! Read the safety information above on this label.
- 2. Turn of all electrical power to the appliance.
- 3. To gain access to the gas controls, swing control access door down. Access door is located directly under window.
- 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. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
- 6. Visually locate the pilot-located in the center of the firebox, beneath the rear ceramic log.
- 7. Turn knob on gas control counterclockwise <a> to "PILOT".
- 8. This appliance contains a spark Ignition system (plezo igniter), which must be used to light the pilot. Push In gas control knob all the way and hold it in. Immediately press the button (on the piezo Igniter) located to the left of gas control knob. The spark produced by the piezo Igniter should light the pilot. Continue to hold control knob In for about one (1) minute after the pilot is fit. Release the gas control knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 4 through 8.
- · If the knob does not pop up when released, stop and immediately call your service technician or gas supplier.
- . If the pilot will not stay lit after 3 or 4 tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
- Turn gas control counterclockwise \(\chi_{\text{lo}} \) to "ON". Use rocker switch, located either on the control panel or the exterior side panel to operate main burner.
 Adjust variable pressure dial to set burner flame to desired heat.
- 10. Swing the control access door closed by lifting up and pushing in to make contact with holding magnets.
- 11. Turn on power to appliance.

TO TURN OFF GAS TO THE APPLIANCE

1. Turn off all electrical power to the appliance if service is to be performed. 2. To gain access to the gas controls, swing the control access door down. The control access door is located directly under the window. 3. Push in gas control knob slightly and turn clockwise 10 "OFF". NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force. 4. Swing the control access door closed by lifting up and pushing in to make contact with holding magnets.



POUR VOTRE SÉCURITÉ, LIRE AVANT L'ALLUMAGE



Attention: le non-respect de ces recommandations peut provoquer une explosion ou un incendie résultant en des dégâts matériels, blessures ou décès,

- A Cet appareil est equipé d'une veilleuse qui doit être allumée manuellement. Suivre les instruction à la lettre lors de l'allumage de la veilleuse.
- B AVANT D'ALLUMER L'APPAREIL, s'assurer qu'il n'y a pas d'odeur de gaz près de l'appareil ou près du sol où certains gaz plus lourds que l'air auront tendance à s'accumuler en cas de fuite.

QUE FAIRE SI UNE ODEUR DE GAZ EST PRÉSENTE:

- » Ne pas allumer d'appareil électroménager. Ne pas Loucher d'interrupteur électrique; ne pas utiliser de téléphone se trouvant dans le même bâtiment.
- Appeler immédiatement le distributeur du gaz depuis le téléphone d'une voisine. Sulvre les instructions données par le distributeur du gaz, S'il est impossible de joindre le distributeur du gaz, appeler les pompiers.
- C Tourner ou pousser uniquement à la main le bouton de contrôle de gaz. Ne jamais utiliser d'outils. S'il est impossible de tourner ou de pousser le bouton à la main, ne pas essayer de le réparer. Appeler un technicien quilifié. Forcer le bouton ou tenter un réparation peut provoquer un incendie ou une explosion.
- D Ne pas utiliser cet appareil si l'un des pièces ayant été mouillées. Appeler immédiatement un technicien quilifié pour une inspection et un remplacement des pièces ou dispositif de contrôle ou de distribution de gas ayant été mouillées.

ALLUMAGE

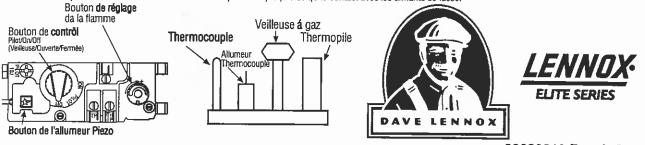


- 1 ARRETER I Lire attentivement l'information ci-dessus.
- 2 Couper l'alimentation électrique de l'appareil.
- 3 Pour accéder ou dispositif de contrôle de gaz, faire basculer le panneau d'accès vers le bas. Le panneau d'accès ou dispositif de contrôle trouve directement sous la fenêtre.
- 4 Pousser légèrement le bouton de contrôle de gaz et faire tourner dans le sens des aiguilles d'une montre / pour le placer sur OFF. REMARQUE: Le bouton ne peut pas être tourné de PILOT à OFF s'il n'est pas légèrement enfoncé. Ne pas forcer.
- 5 Attendre cinq (5) minutes pour s'assurer que tout le gaz a eu le temps de se dissiper. Si vous sentez une odeur de gaz, ARRETER! Suivre les instruction données en B ci-dessus. S'il n'y a pas d'odeur de gaz, passer à l'étape suivante.
- 6 Repérer la veilleuse située à ou centre de la chambre de combustion, sous la bûche céramique arrière.
- 7 Tourner le bouton de contrôle de gaz dans le sens invers des aiguilles d'une montre 🖊 pour le placer sur PILOT.
- 8 Cet appareil de chauffage est equipé d'un système d'ignition par étincelle (allumeur Piézo-électrique), devant être utilisé pour l'allumage de la veilleuse. Pousser complètement le bouton de contrôle de gaz et le maintenir dans cette position. Appuyer immédiatement sur le bouton (sur l'allumeur Piézoélectrique) situé à gauche du robinet de contrôle de gaz. L'étincelle produite par l'allumeur Piézo-électrique doit allumer la veilleuse. Continuer à maintenir le bouton de contrôle dans cette position pendant une (1) minute après d'allumage de la veilleuse. Relâcher le bouton de contrôle de gaz qui reviendra en position Initiale. La veilleuse doit rester allumé. Répéter les étapes 4 à B si elle s'étaient. Si le bouton de contrôle de gaz ne revient pas en position initiale une fois relaché, appeler immédiatement un technician qualifié ou le distributeur du paz
- 9 Tourner le bouton de contrôle de gaz dans le sens invers des aiguilles d'une montre 📉 pour le placer sur le position ON. Utiliser le commutateur à bascule situé sur le panneau de contrôle afin de contrôler le brûleur principal. Ajuster la flamme à la température souhaitée,
- 10 -Fermer le panneau d'accès et le soulevant et en le poussant jusqu'à ce qu le contact avec les aimants se fasse. Rétablir l'alimentation électrique à l'appareil.

COUPER L'ALIMENTATION EN GAZ DE L'APPAREIL



- Couper l'alimentation électrique à l'appareil pour besoins de réparation.
 Pour accéder au dispositif de contrôle de gaz, faire basculer le panneau d'accès vers le bas. Le panneau d'accès ou dispositif de contrôle trouve directement
- Pousser légèrement le bouton de contrôle de gaz et faire tourner dans le sens des aiguilles d'une montre pour le placer sur OFF. REMARQUE: Le bouton ne peut pas être tourné de PILOT à OFF s'il n'est pas légèrement enfoncé. Ne pas forcer,
- 4 Fermer le panneau d'accès et le soulevant et en le poussant jusqu'à ce qu'le contact avec les aimants se fasse.



SPECIFICATIONS

Approx. Sq. Pt.

Heating Capacity

~ 1200 square feet. 3" - Exhaust Outlet

Flue Size Intake Pipe

3" - Combustion Air Intake

Dimensions into

Fireplace

Height: 20 3/4"

Width (front): 28 7/16" @ 5" depth

Width (mid-rear): 22 9/16" @ 11 15/16" depth

Width (rear): 17 3/4" @ 15 7/16" depth

Depth: 16 7/16"

Height

~21 1/4"

Height w/ Surround ~ standard-27 5/8", Large 31 1/4"

Width

~31 15/16"

Width w/ Surround ~ standard-41 1/4", Large 48 1/4"

Depth (overall)

-17 1/4"

Fuel

Natural or LP Gas. Gas inlet 3/8" NPT.

Performance

Variable Flame Control.

Features

High Efficiency heat exchanger.

Natural convection & radiant heat.

125 lb.'s.

Remote Control & Wall Thermostat capable

Safety Test

Listed by ITS (Intertek Testing Services.

Listing mark is Warnock Hersey) as a Direct

Vent, Gas Fired Room Heater to: ANSI Z21.88-1998, *CSA 2.33-1998

Direct Vent Gas Fireplace.

CAN/CGA 2.17-M91 (For High Altitude)

Heat input

18,000 - 27,000 BTU's (Natural Gas)

16,500 - 25,000 BTU's (Propane)

Ship Weight

TIONS.

Options:

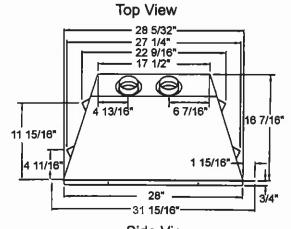
High Altitude Kit (p/n95L96)

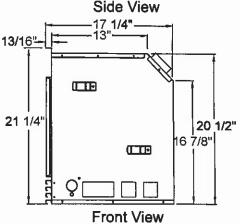
Remote Control s (p/n 26NO4 and 98K99)

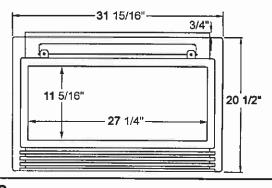
Wall thermostat (p/n 10N64)

- Dimensions shown are approximations only (+/- 1/4")
- Square feet heating capacities are approximations only. They will vary depending upon the level of insulation, climate, house design, celling height, ambient outside temperatures and how the appliance is operated.

THIS LENNOX GAS FIREPLACE IS FOR USE ONLY WITH LENNOX APPROVED VENTING COMPONENTS AND TERMINA-







or Propane (LP). Units using propane must be field converted using the

LP Conversion Kit supplied with appliance.

SPECIFICATIONS GAS TYPE NATURAL GAS PROPANE FLOOR PROTECTION Orifice Size #40-.098" #53-.0595 Required if non-combustible hearth extends less than 18 inches from 4.5/7.0" WC 11.0/13.0" WC Min./Max. Inlet Pressure fireplace opening. Output BTU/Hr (efficiency) 19,170 (71%) 19,250 (77%) **HIGH ALTITUDE** HIGH SETTING 3.5" WC +/- .3 10.0" WC +/- .3 Altitude - U.S.A. and Canada 0-4500 Ft. (0-1372M) No derating * Manifold Pressure Input BTU/HR 27,000 25,000 OW SETTING With the orifice, manifold pressure and input ratings shown above. 6.6" WC +/- .3 Altitudes above 4500 FT (1372M) for U.S.A. and Canada, reorifice per Manifold Pressure 1.8" WC +/-.3 16.500 18,000 Input BTU/HR manual and consult local codes. MINIMUM CLEARANCES TO COMBUSTIBLES Insert Top to Ceiling Height Min. 36 In. / 915 mm **ELECTRICAL RATING** Side Wall Minimum 12 In. / 305 mm Blower (p/n 12750083) 120V, 60 Hz, 1.5 A 14 in. / 356 mm Insert Top to Mantel Minimum Mantel Projection Maximum 12 ln. / 305 mm **FUEL CONVERSION** Floor Clearance (required if hearth does not extend 18") 7 in. / 178 mm This Appliance is equipped at the factory for the use with Natural Gas

Brand Name: L20DI

Vented Gas Fireplace Heater. Foyer au gaz à évacuation.

Warnock Hersey

Serial Number

L20DI

VENTED GAS FIREPLACE HEATER -NOT FOR USE WITH SOLID FUEL

FOYER AU GAZ À ÉVACUATION -NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE. No. de Serie

Gas/Gaz Type Natural

Propane Controls: VS8520

Tested to: ANSI Z21.88-(1998)

CSA 2.33-M98 Vented Gas Fireplace Heater

Natural Gas Model: L20DIN Natural Gaz Modele: L20DIN

Normal Input 27.000 Btu/hr Alimentation 18.000 Btu/hr Minimum Input Puissance minimum Orifice - Main 40 dms Grandeur de l'injecteur

3.5" w.c./c.e. Manifold Pressure Pression a la tabular d'alimentation

1.8" w.c./c.e. Pression a la tabular d'alimentation minimum Minimum Min. Supply Pressure 4.5" w.c./c.e. Pression d'alimentation minimum

0-4500' (1372m) Altitude Altitude

Propane Gas Model: L20DIP Propane Gaz Modele: L20DIP

25,000 Btu/hr Normal Input Alimentation 16,500 Btu/hr Minimum Input Puissance minimum 53 dms Orifice - Main Grandeur de l'injecteur

10" w.c./c.e. Manifold Pressure Pression a la tabular d'alimentation 6.6" w.c./c.e.

Minimum Pression a la tabular d'alimentation minimum 11" w.c./c.e. Min. Supply Pressure

Pression d'alimentation minimum

Altitude 0-4500' (1372m) Altitude

Electrical Rating 115 V; 60 HZ; Alimentation Electrique

less than 12 A.

moins de 12 ampères

Degagements Minimum Des Materiaux Minimum Clearances to Combustibles -

Combustible -

Sidewall Mur Lateral 12"/305mm Mantel Manteau 14"/356mm Ceiling Plafond 36"/915mm Floor 7"/178mm

If a 7" clearance to combustible flooring in front of the appliance is not possible or desirable, a non-combustible hearth extending 18" in front of the appliance shall be installed.

For use with Natural Gas and L.P. Gas (Propane). A conversion kit, as supplied by the manufacturer, shall be used to convert this room heater to the alternative fuel.

Pour utilisation avec le gaz natural et le propane. Une trousse de conversion fournie par le fabricant doit être utilisée pour passer d'un combustible a l'autre.

This vented gas fireplace heater is not for use with air filters.

Ne pas utiliser de filtre à air avec ce foyer au gaz à évacuation

For use with glass doors certified with the appliance only.

Pour utilisation uniquement avec les portes en verre certifiées avec l'appareil.

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.

Cet appareil doit etre utilise uniquement avec le type de gaz indique sur la plaque signaletique et puet etre installe dans une maison prefabriquee (mobile) installee a demeure si les reglements locaux le permettent. Voir la notice du proprietaire pour plus de details. Cet appareil ne peut etre converti a d'autres gaz sauf si une trausse de conversion certifee est utilisee.

Manufactured by LENNOX HEARTH PRODUCTS, Fullerton, CA

21220000 REV E

SERVICE AND MAINTENANCE LOG

Service Date	Service Technician	Service Description
	-	

Manufactured by

LENDON®

HEARTH PRODUCTS

4325 Artesia Avenue Fullerton, CA 92833