



HEARTH PRODUCTS

P/N 506027-06 REV. NC 08/2012



Report # 100501897PRT-001

Ce manuel d'installation est disponible en français, simplement en faire la demande. Numéro de la pièce 506223-51.

INSTALLATION AND OPERATION

Direct-Vent
RAVENNA™ CD

ELITE® SERIES

MODEL

RDV CD

WARNING ⚠️ AVERTISSEMENT

**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN TO
TOUCH GLASS.**



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

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

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

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

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

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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

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

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

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

CONGRATULATIONS!

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

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

TABLE OF CONTENTS

Using this Manual	2
Safety and Warning Information	3-4
Homeowner - Attaching Safety In Operation Warnings	5
Orifice Size / Altitude Adjustment	6
Smoke Detectors	6
The Fireplace Insert	6
Fireplace Requirements	6
Codes and Approvals	7
Requirements For The Commonwealth of Massachusetts	7
New York City, New York (MEA)	7
Pre-Installation	8-11
Features	8
Packaging List	8
Ratings	8
Insert and Fireplace Dimensions	9
Clearances to Combustibles	10
Insert Leveling	10
Fan Control Module Switch	11
Installation	11-15
Venting Installation	11



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

Vertical Venting	12
Zero Clearance Fireplace Installation	13
Glass Door	13-14
Firebox Panel Kit Installation	14
Glass Media Installation	15
Surround Panels Installation	15
Face Installation	15
Gas Line Installation	16
Gas Pressure Requirements	16
LP and Natural Gas Supplies	16
Air Shutter Adjustment	17
Battery Backup - Battery Installation	17
Installer - Attaching Safety In Operation Warnings	18
Operation	19-24
Pre-Lighting Checklist	19
Operating Instructions	19-20
Operation	21-23
Flame Color and Behavior	23
Paint Curing	23
Quiet Operation	23
Wiring Diagrams	24
Maintenance and Servicing	25-26
Maintenance Checklist	25
Glass Maintenance	26
Fuel Conversion	26
Blower Removal	26
Electrical Requirements	26
Troubleshooting	27
Replacement Parts	28-29
Accessories	30-31
Insert Labels	32-33
Product Reference Information	34

USING THIS MANUAL

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

PRODUCT IS SUBJECT TO CHANGE WITHOUT NOTICE

IMPORTANT SAFETY AND WARNING INFORMATION

WARNING

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

AVERTISSEMENT

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

WARNING

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

WARNING

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

WARNING

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

AVERTISSEMENT

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

WARNING

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

AVERTISSEMENT

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

WARNING

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

WARNING

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

AVERTISSEMENT

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

WARNING

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

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

HOMEOWNER'S INSTRUCTIONS - ATTACHING SAFETY IN OPERATION WARNINGS

ATTACHING SAFETY IN OPERATION WARNINGS

Your appliance has been furnished with safety instruction labels that are to be affixed to the operation and control points of the appliance. A safety instruction label should be affixed next to the burner control switch where the appliance is turned on and off (See **Figure A**) and the remote control handheld transmitter (See **Figure B**). The warnings should already have been put in place when the appliance initial set-up was completed. If they are not affixed at these spots, locate the multi-lingual adhesive labels provided with these instructions and proceed as follows:

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

Cat. No. H8024 Replacement Label Kit

LENNOX HEARTH PRODUCTS
1-800-655-2008

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

SAFETY LABEL DIAGRAMS



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

Votre appareil a été livré avec des étiquettes de sécurité qui doivent être collées à côté des dispositifs de contrôle du brûleur. Une étiquette de sécurité devrait être collée sur la plaque du récepteur contrôlant l'allumage de l'appareil (voir **Figure A**) et sur le boîtier de la télécommande (**Figure B**). Les mises en garde auraient dû être collées au moment de l'installation initiale de l'appareil. Si ce n'est pas le cas, prenez les étiquettes adhésives multilingues fournies avec ces instructions et procédez comme suit :

1. Repérez le contrôleur sur le panneau de contrôle de votre appareil (vérifiez que l'interrupteur contrôle le fonctionnement de l'appareil en le faisant basculer de Marche à Arrêt, et vice-versa). Nettoyez soigneusement la surface sur le panneau de contrôle pour éliminer la poussière et les traces de graisse ou d'huile. Collez l'étiquette à côté du bouton de contrôle du brûleur qui contrôle l'appareil (**Figure A**). Choisissez la langue qui est principalement parlée dans la résidence du propriétaire.
2. Repérez la télécommande et nettoyez-la soigneusement pour éliminer la poussière et les traces de graisse ou d'huile. Collez l'étiquette sur le boîtier de la télécommande (**Figure B**). Choisissez la langue qui est principalement parlée dans la résidence du propriétaire.
3. Si vous ne trouvez pas les étiquettes, veuillez appeler Lennox Hearth Products ou votre distributeur Lennox Hearth Products local pour recevoir gratuitement des étiquettes supplémentaires.

Étiquettes de remplacement, n° cat. H8024

LENNOX HEARTH PRODUCTS
1-800-655-2008

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

DIAGRAMMES DES ÉTIQUETTES DE SÉCURITÉ



COLOCACIÓN DE ADVERTENCIAS DE SEGURIDAD EN OPERACIÓN

Su artefacto incluye etiquetas de instrucciones de seguridad que deben colocarse en los puntos de operación y control del artefacto. Se debe colocar una etiqueta de instrucciones de seguridad adyacente al interruptor de control del quemador donde se enciende y se apaga el artefacto (ver la **Figura A**) y en el transmisor de control remoto (**Figura B**). Las advertencias ya deben haberse colocado cuando se completó la instalación inicial del artefacto. Si no están colocadas en estos lugares, encuentre las etiquetas adhesivas multilingües proporcionadas con estas instrucciones y prosiga de la siguiente manera:

1. Identifique el interruptor de control en el panel de control del artefacto (verifique que el interruptor opera el artefacto encendiéndolo y apagándolo). Limpie bien la superficie del panel de control para quitar el polvo y aceite. Pegue la etiqueta adyacente al interruptor de control del quemador que controla el artefacto (**Figura A**). Seleccione el idioma que más se habla en la casa.
2. Identifique el transmisor de control remoto y límpielo bien para quitar el polvo y aceite. Pegue la etiqueta en la superficie del transmisor (**Figura B**). Seleccione el idioma que más se habla en la casa.
3. Si no puede encontrar las etiquetas, sírvase llamar a Lennox Hearth Products o al distribuidor de Lennox Hearth Products más cercano para recibir etiquetas de instrucciones de seguridad adicionales gratuitas.

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

LENNOX HEARTH PRODUCTS
1-800-655-2008

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

DIAGRAMAS DE ETIQUETAS DE SEGURIDAD



Figure A

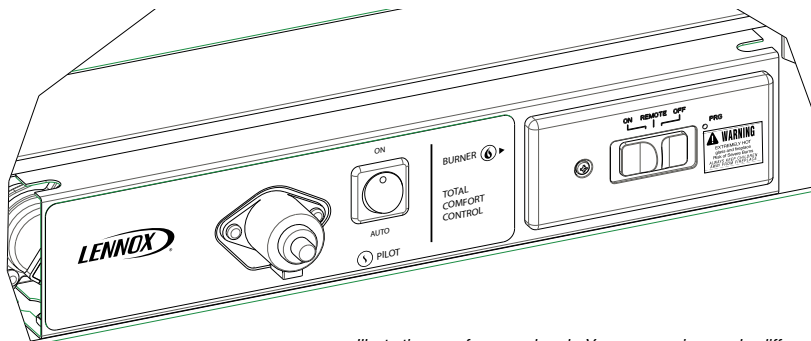


Figure B



*Illustrations are for example only. Your accessories may be different.
Les illustrations sont par exemple uniquement. Vos accessoires peuvent être différents.
Las ilustraciones son sólo ejemplos. Tu accesorios pueden ser diferentes.*

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

ORIFICE SIZE/ALTITUDE ADJUSTMENT

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

In Canada - CAN/CGA-2.17-M91 (R2009) (high altitude):

THE CONVERSION SHALL BE CARRIED OUT BY A MANUFACTURER'S AUTHORIZED REPRESENTATIVE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER, PROVINCIAL OR TERRITORIAL AUTHORITIES HAVING JURISDICTION AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CAN/CGA-B149.1 OR CAN/CGA-B149.2 INSTALLATION CODES.

SMOKE DETECTORS

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

THE FIREPLACE INSERT

- Must conform with all local, state and national installation codes. In the absence of local codes, the installation must conform with National Fuel Gas Code ANSI Z223.1 - latest edition, also known as NFPA 54 (In Canada, the current CAN/CGA B149.1 installation code). Refer to the National Fuel Gas Code and local zoning and code authorities for details on installation requirements.
- Manufactured home installations (USA only) must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or, when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4.
- Must be vented directly to the outside in accordance with the latest edition of the National Fuel Gas Code and must never be attached to a chimney serving a separate solid fuel burning appliance.
- Has been certified for use with either natural gas or propane.
- Is NOT for use with solid fuels.
- Is approved for sitting rooms and/or bedrooms.
- This appliance is suitable for installation into masonry or factory built fireplaces.

Fireplace Requirements

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

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

CAUTION

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

WARNING

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

Figure 1 - Fireplace Warning Label

CODES AND APPROVALS

Certification

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

This appliance has been tested and certified by Intertek Testing Services, Portland, OR to ANSI Z21.88/CSA 2.33 Standard for Vented Gas Fireplace Heater and CAN/CGA 2.17-M91 and UL 307B Gas Burning Heating Appliances for Manufactured (Mobile) Homes in both USA and Canada.

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

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

The Installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54- latest edition, or the Natural Gas and Propane Installation Code, CAN/CGA B149.1- latest edition.*

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

COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS

(Massachusetts Approval #G3-1104-102)

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

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

Massachusetts Horizontal Vent Requirements

In the Commonwealth of Massachusetts, horizontal terminations installed less than seven (7) feet above the finished grade must comply with the following additional requirements:

- A hard wired carbon monoxide detector with an alarm and battery back-up must be installed on the floor level where the gas fireplace is installed. The carbon monoxide detector must comply with NFPA 720, be ANSI/UL 2034 listed and be ISA certified.
- A metal or plastic identification plate must be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade and be directly in line with the horizontal termination. The sign must read, in print size no less than one-half (1/2) inch in size, **GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS.**

NEW YORK CITY, NEW YORK (MEA)

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

PRE-INSTALLATION

Features

Installation Options

Manufactured (Mobile) Home
Natural Gas Or Propane (LP)
Bedrooms

Electrical

The standard blower motor requires 120 Volts AC for operation. The fireplace is not dependent on the blower to operate. **WARNING - Electrical Grounding Instructions - This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.**

Electronic Valve

This appliance is equipped with an electronic valve and electronic pilot ignition system (which can be switched from Intermittent to standing pilot mode - see **Page 20**). External electrical 120 Volt power is required to operate the blower system of this appliance and recommended to operate the burner system. This appliance is equipped with a battery backup system in case of a power outage (see **Battery Backup** on **Page 17** for more information).

Fuel

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

Packaging List

Insert Body Packaging List

- 1 Insert Body
- 1 Power Cord
- 1 Fasteners:
 - 6 slotted 1/4" truss screws
 - 6 speed nuts
 - 9 spring clips
 - 3 plastic adhesive wire restraints
- 1 Installation and Operation Manual
- 1 Remote Control
- 1 Glass Media Measuring Box

Black Porcelain Panel Set - One Required

Decorative Faces - One Required

- | | |
|-------------|-------------------|
| Traditional | Arch Face |
| Foundry™ | Screen Face |
| Cast pillar | Contemporary Face |

Surround Kits - One Required

- Traditional 1-pc. (41"W x 29"H)
- Traditional 3-pc. (41"W x 29"H, 48"W x 29"H, 41"W x 33"H or 48"W x 33"H)
- Cast Iron (45-1/2"W x 30"H-Cast Pillar face only) *

* See detailed dimensions on **Page 31**.

Surround Kit Contents

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

Media Kits - One Required

- Reflective Black Glass Media
- Reflective Blue Glass Media
- Platinum Glass Media
- Goldfinger Glass Media
- Copper Glass Media

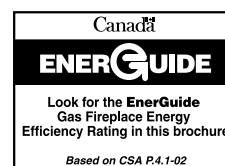
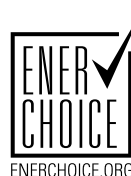
RATINGS	RAVENNA CD (RDV CD)	
	NATURAL GAS	LP GAS
Max/Min Input BTUh 0-2,000 Feet (0-610 M) ①	32,000/21,000	27,000/21,000
Manifold Pressure (IN. WC)	3.5	10.0
Min. Inlet Pressure (IN. WC)	5.0	10.5
Maximum heat output BTUs/hour-steady state (depending on vent configuration) ②	83% to 86%	83% to 86%
P4 Efficiency ③	69.20%	67.28%
Orifice (DMS) 0-2,000 Feet (0-610 M) ①	#36	#53

① Unit factory equipped for 0-2000 FT/0-610 M, In Canada 0-4500 FT/0-1370 M

② The Steady State Efficiency numbers based on maximum vent configuration.

③ Tested to CSA P.4.1-02 "Testing Method for Measuring Annual Fireplace Efficiency.

Electrical Rating: 120 VAC, 60 HZ, Less Than 2 Amps



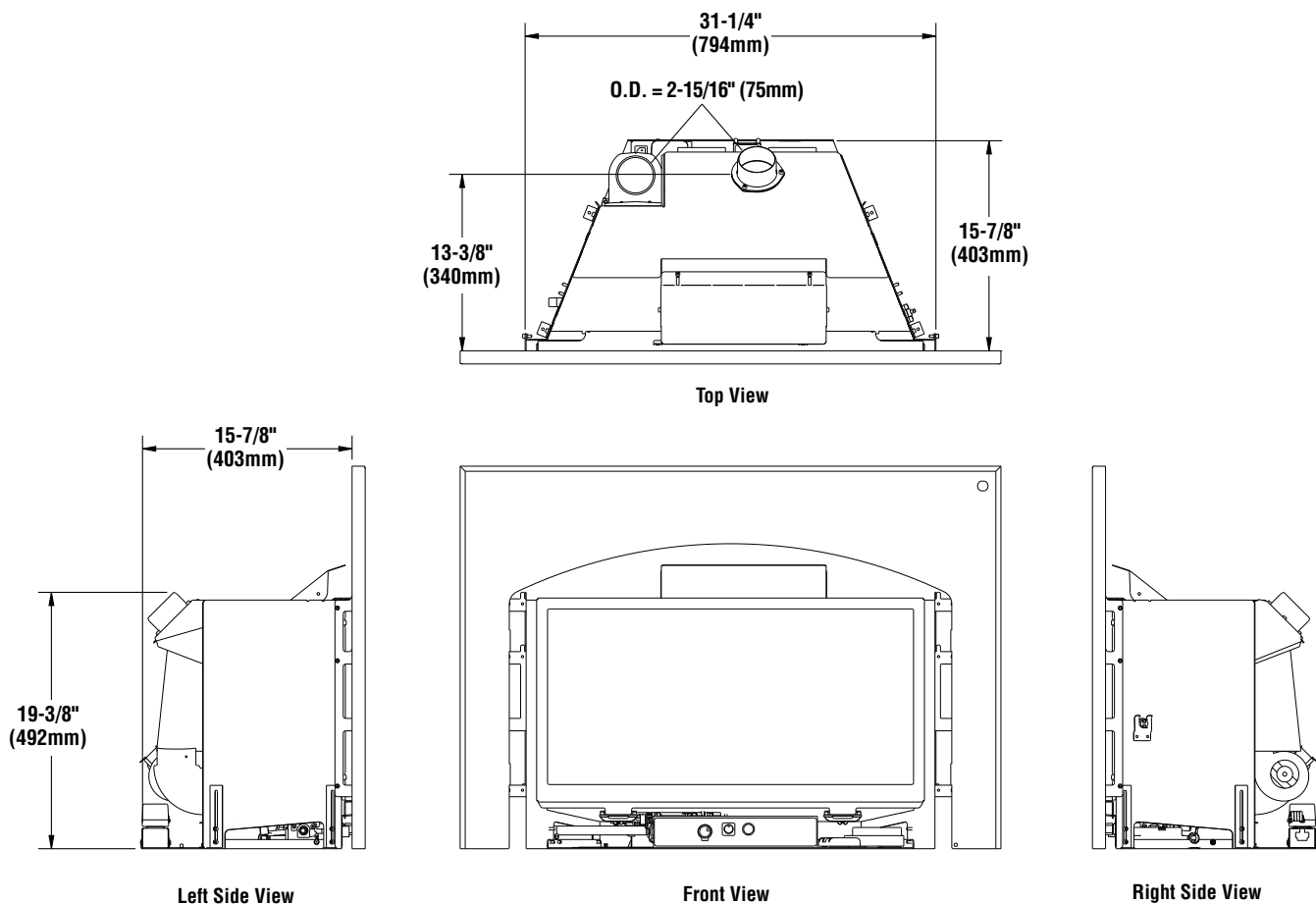


Figure 2 - Insert Dimensions

Minimum Fireplace Opening	
A	31-1/2" (800mm) Front Opening Width
B	19-1/2" (495mm) Height
C	18" (457mm) Rear Width
D	16" (406mm) Fireplace Depth

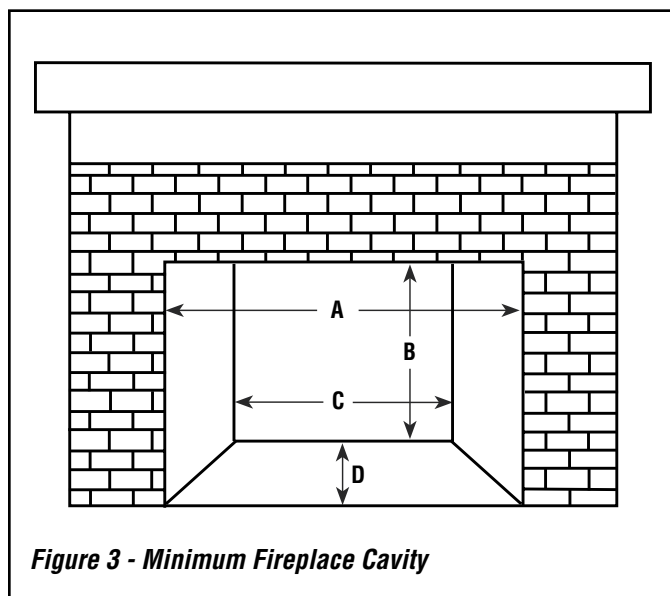


Figure 3 - Minimum Fireplace Cavity

CLEARANCES TO COMBUSTIBLES

Minimum Clearances to Combustibles

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

The letters in **Figure 5** (A through E) show minimum clearances required from the appliance to combustibles and the minimum projection of the hearth extension.

Insert Leveling

At each front and rear corner of the insert is an adjustable leg provided to level the insert should the hearth of the fireplace be uneven. To adjust the legs, loosen the two 5/32" allen head screws, move the leg to the desired height and then tighten the screws. Repeat these steps for each adjusting leg.

Facing and Mantel Clearances

See **Figure 4**

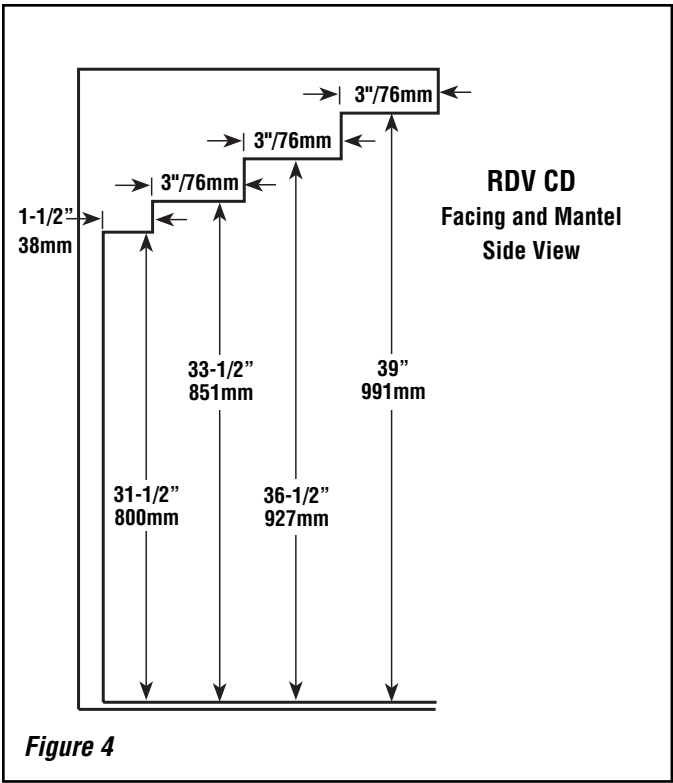


Figure 4

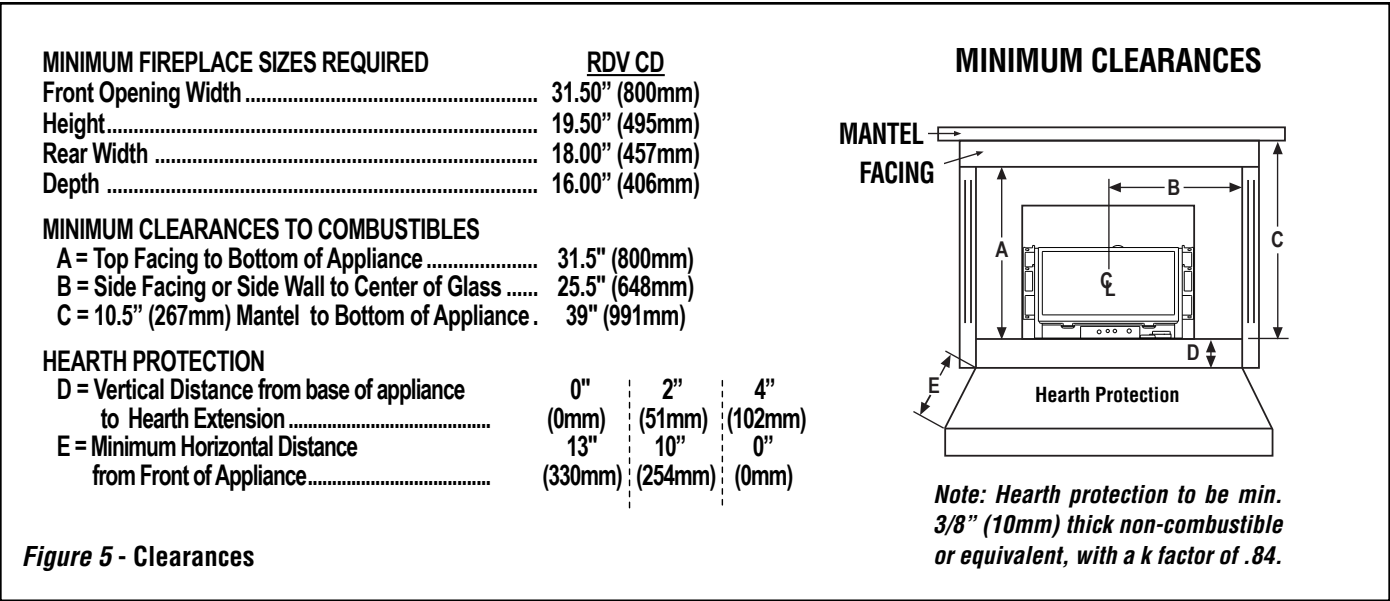


Figure 5 - Clearances

FAN CONTROL MODULE SWITCH

Before installation, verify the power switch on the Fan Control Module is in the ON position (as shown in **Figure 6**).

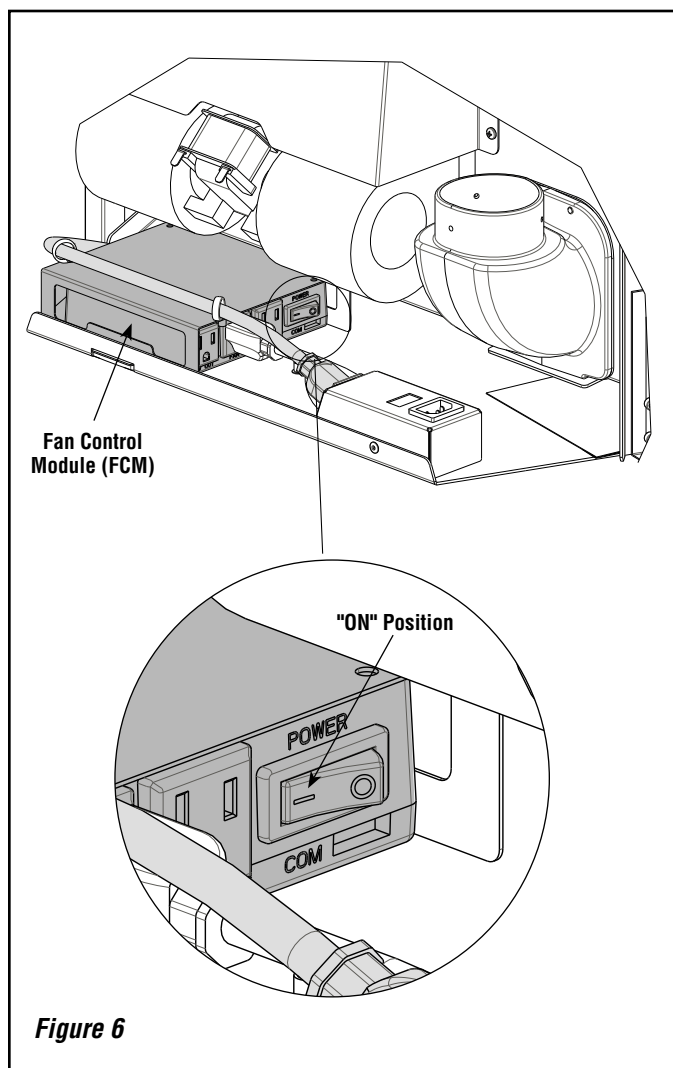


Figure 6

INSTALLATION

Venting Installation

Your Lennox Hearth Products appliance must be vented to the outside in accordance with the current edition of the National Fuel Gas Code ANSI-Z223.1 (In Canada, the current CAN/CGA B149.1 installation code). The insert must not be connected to a chimney flue serving a separate solid fuel burning appliance.

This appliance requires a 3" diameter listed flex liner. The vent should terminate with a listed direct-vent termination cap. The chimney should be sealed around the cap to prevent air and rain from entering the chimney. Adhere to the vent manufacturer's instructions for installation and vent termination. These appliances are approved for use with the following vent kits.

Simpson Dura Vent -

Flex Liner 3" X 35' - #3DFA-35

Adaptor w/ Flashing - #46DVA-GK

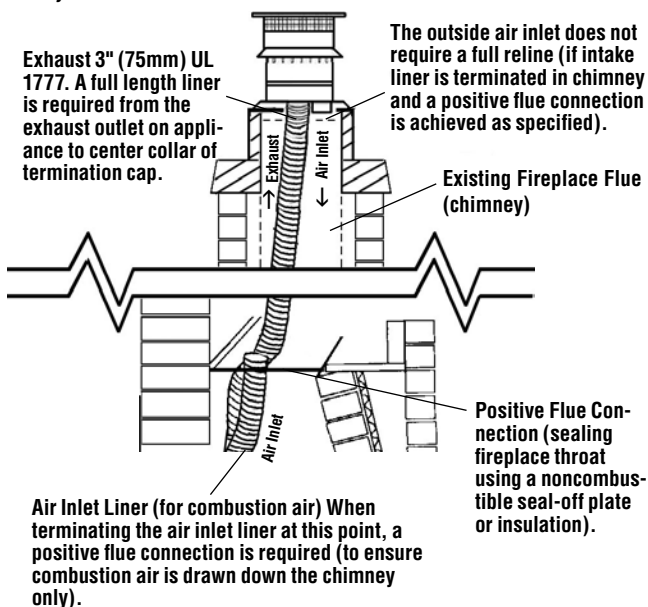
Termination Cap - #460DVA-VC

Vertical Venting

The vent pipes must be connected to the proper collars on the unit and the exhaust vent pipe must be connected to the termination cap or the unit will not operate.

The combustion air intake pipe can be connected to the termination cap (see **Figure 7b**) or it can terminate inside the chimney (see **Figure 7a**). If combustion air intake pipe is terminated inside the chimney and not connected to the actual termination cap the bottom opening of the chimney (chimney throat) must be sealed around the vent pipes. Use a non combustible seal-off plate (i.e. 22 gage sheet steel) or unfaced fiberglass insulation (8 lb per square foot density minimum) to seal around the vent pipes. Whichever "seal off" method is used must effectively seal the area to prevent room air passage to the chimney of the fireplace. The insulation may give off an odor during the first hour of operation.

NOTE: Terminating the air intake liner as shown here may not be allowed by some local codes. Check with the authority having jurisdiction for your area.



Masonry and Factory Built Fireplaces

Figure 7a - Terminating Air Inlet in Chimney

Note: The minimum vertical rise (exhaust vent) is 10 feet (3.1 M) and the maximum vertical rise is 35 feet (10.7 M). These dimensions are measured from the starting collars of the unit to the end of the vent pipe.

The fireplace and fireplace chimney must be clean and in good working order and constructed of non-combustible materials. Inspect chimney cleanouts for proper fit and seal.

The existing fireplace chimneys may take various contours which the flexible liners will accommodate. However, keep the flexible liner as **STRAIGHT** as possible, avoid unnecessary bending.

Liner Requirements:

Use 3" (76 mm) diameter listed gas vent liner (UL1777 ONLY) for the **EXHAUST**

Use 3" (76 mm) diameter listed liner (UL 181 or UL1777) for the **AIR INTAKE**.

Vertical Height Min. = 10 ft. (3.1 M)
Vertical height Max. = 35 ft. (10.7 M)

Note: Measured from flue collar on unit to the end of the vent pipe or liner

The flexible vent pipe must **NOT** be allowed to sag behind insert or in fireplace flue.

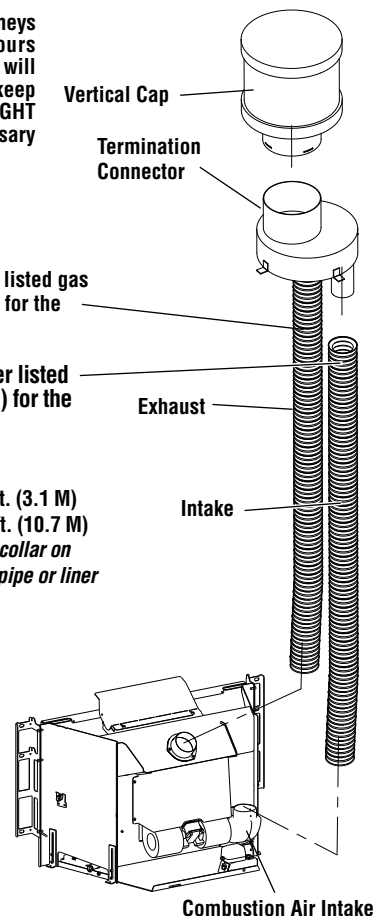


Figure 7b

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**. (If fireplace is masonry) Consult a local mason for removal of the damper without risk of structural damage or leakage (if the fireplace is factory built) The appliance may **NOT** be installed into the fireplace.

! WARNING

Direct-Vent Fireplace Insert Vent Requirements - Use liner listed to UL181 (Factory-made Air Ducts And Air Connectors) or UL1777 (Chimney Liners) for the AIR INTAKE. Use liner listed to UL1777 ONLY for the EXHAUST.

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

Zero Clearance Fireplace Installation

This appliance may be installed in a masonry or factory built/zero clearance (ZC) fireplace. When installing in a ZC fireplace, the ZC grate must be removed and the ZC damper must be removed or secured open. The ZC doors, screen, refractory or masonry lining, baffles and smoke shelf may be removed if necessary to install the gas insert. However, do not cut or alter the fireplace components. The removal of any parts to facilitate installation must not alter the integrity of the inner or outer shells of the fireplace cabinet. Any parts removed must be replaceable if the insert is taken out of the fireplace or the fireplace clearly marked with a paint stick that "This fireplace has been altered and is no longer safe to operate."

This appliance is designed to fit into a ZC fireplace with a minimum firebox height of 19-1/2" (495mm).

If the factory-built fireplace has no gas access hole(s) provided, an access hole of 1-1/2" (37.5 mm) or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship like manner. This access hole must be plugged with a non-combustible insulation after the gas supply line has been installed.

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

The installer must mechanically attach the marking supplied with the gas fireplace insert to the inside of the firebox of the fireplace into which the gas fireplace insert is installed. See Figure 1 on Page 6.

Glass Door

WARNING

- Do not attempt to substitute the materials used on these doors, or replace cracked or broken glass.
- Handle this glass with extreme care! Glass is susceptible to damage – Do not scratch or handle roughly while reinstalling the glass door frame.
- The glass door(s) of this appliance must only be replaced as a complete unit as provided by the manufacturer. Do not attempt to replace broken, cracked or chipped glass separately.
- Do not attempt to touch the front enclosure glass with your hands while the appliance is in use.
- Do not use abrasive cleaners. Never clean the glass when it is hot.

WARNING

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

AVERTISSEMENT

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

Only doors certified with the appliance shall be used.

Seules des portes certifiées pour cet appareil doivent être utilisées.

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

Do not remove glass door while the appliance is hot.

Glass Door Removal

To remove the glass door:

1. Pull latches on the bottom right and left of the door out of the slots and place below the tab on the front door.
2. The door can now be pulled from the bottom away from the firebox and lifted up and off the firebox.
3. To reinstall the door, complete the steps in reverse order.

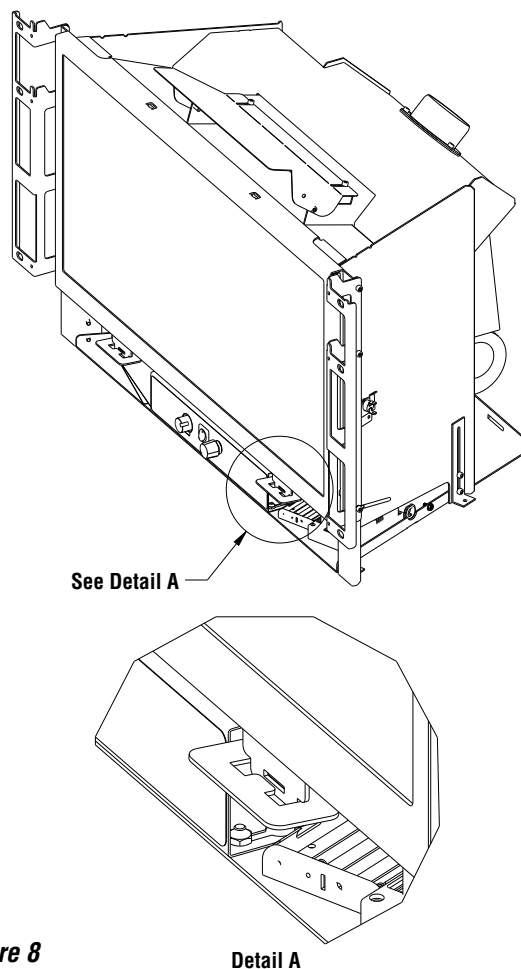


Figure 8

Detail A

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

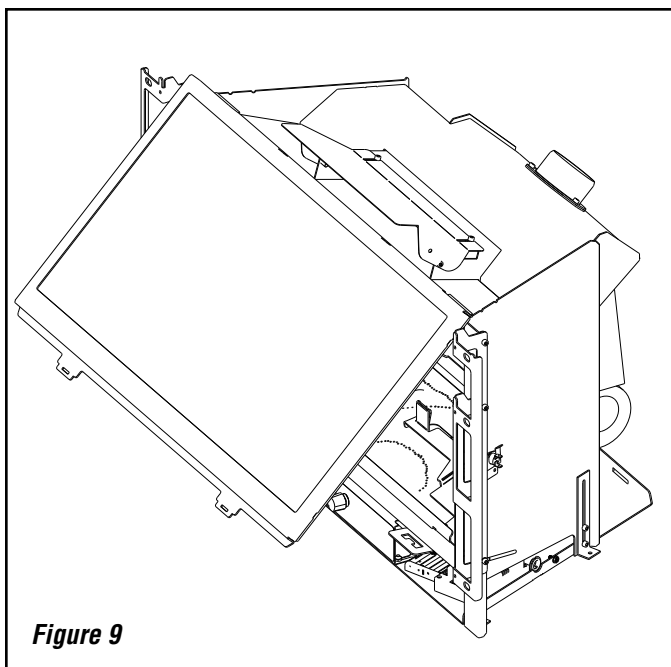


Figure 9

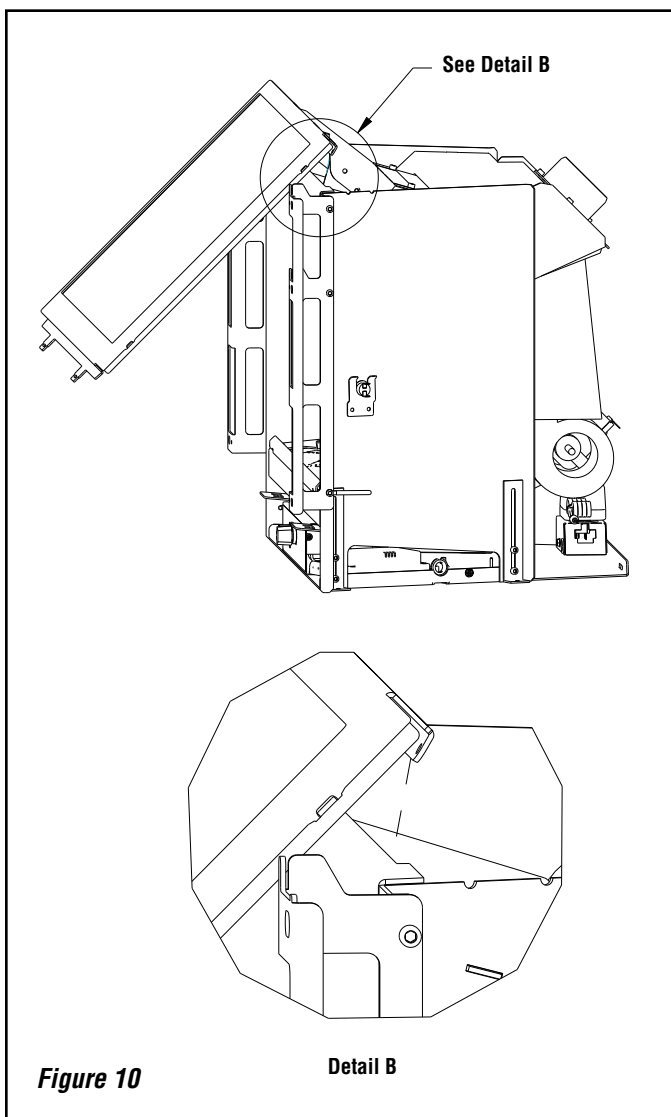


Figure 10

Detail B

Firebox Panel Kit Installation Instructions:

1. Remove the glass door following the instructions provided in this manual.
2. Remove the two brackets from the firebox using a 5/32" allen wrench (see **Figure 11**). Retain the screws for step 4, and discard the brackets as they will not be needed.
3. Install the rear panel by inserting the tabs on the bottom of each end into the slots on the rear burner-retaining tray (see **Figure 12**).
4. Install one side panel by inserting the tab (located on the bottom edge near the back) into the same slot as one side of the rear panel (see **Figure 12**). Fasten in place using one screw from the brackets removed in step 2. Repeat for the other side panel.

NOTE: The side panels overlap on top of the back panel.

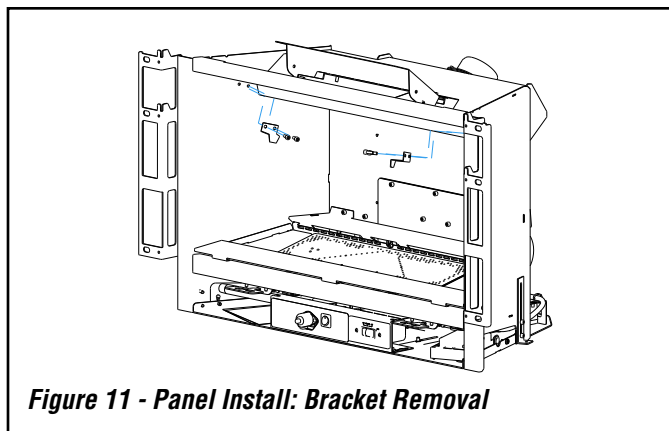


Figure 11 - Panel Install: Bracket Removal

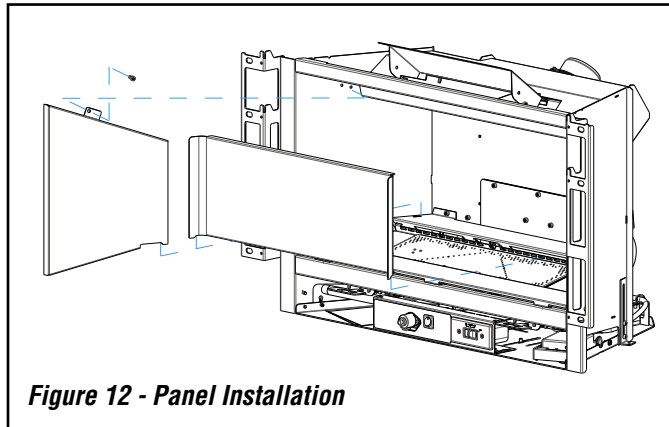


Figure 12 - Panel Installation

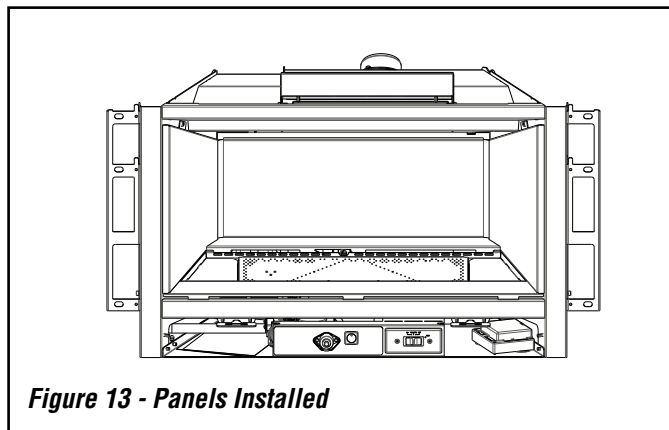


Figure 13 - Panels Installed

Glass Media Installation

Glass Media Kits (one required)		
Cat. No.	Model	Description
H8412	CRSHGL-RBLK	Glass Media, 5LB Bag, Reflective Black
H8424	CRSHGL-RBLU	Glass Media, 5LB Bag, Reflective Blue
H8413	CRSHGL-P	Glass Media, 5LB Bag, Platinum
H8538	CRSHGL-GF	Glass Media, 5LB Bag, Goldfinger
H8539	CRSHGL-C	Glass Media, 5LB Bag, Copper

WARNING

- **HANDLE MEDIA ONLY WHEN COOL.** Turn OFF all electricity to the appliance before installing media. Media gets very HOT during fireplace use and will remain hot up to one hour after the gas supply is turned off.
- Any attempt to use media not specified for your fireplace configuration will result in incomplete combustion, sooting, and poor flame quality, and will void the warranty.

1. Fill the provided measuring box level with the top (approximately 3 cups).
2. Distribute the measured amount of media in an even layer in the recessed area on top of the burner (shaded area in **Figure 14**).

IMPORTANT!

- Do NOT mound up media.
- If using multiple colors of media, NEVER use more than one level measuring box (approximately 3 cups) total at one time.
- If media is not installed according to the media installation instructions, flame impingement and improper combustion could occur and result in soot and/or excessive production of carbon monoxide (CO), a colorless, odorless, toxic gas.

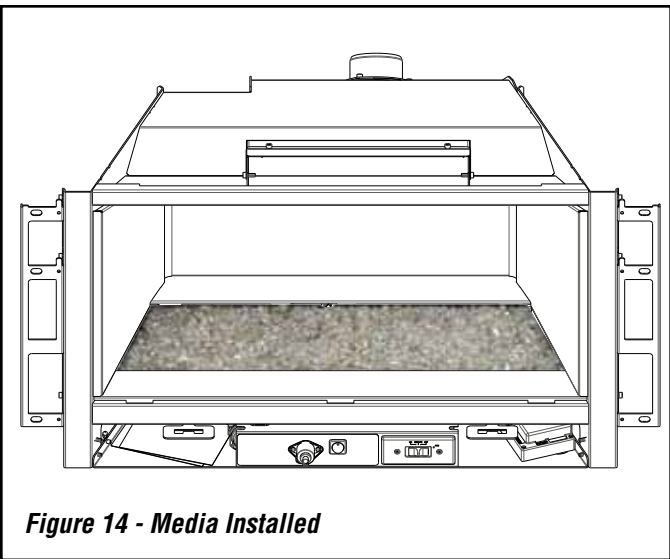


Figure 14 - Media Installed

Surround Installation

The fireplace insert surround panels are made of heavy gage steel for durability and, if desired, for the ease of making an inside fit in the fireplace. See **Packaging List** for available sizes.

1. Remove the speed nuts (**A** in **Figure 15**) from the parts bag and install (with the flat surface forward) on the six holes in the surround brackets - three on each side of the insert (**B** in **Figure 15**). A flat bladed screwdriver may help in installing the nuts.
2. Install all surround panels and trim with the appliance positioned in the fireplace, but a few inches in front of its final location.
3. If an Arch face is to be installed on the appliance, the sight obstructor that comes with the face must be installed prior to installing the surround panels. See the instructions included with the face for proper sight obstructor installation.
4. Install the side surround panels by lining up the holes in the tabs on the side surround panels in front of the holes on the surround brackets. Next insert two slotted 1/4" truss screws for each side surround panel and secure loosely.
5. Fasten the top surround panel with the remaining two truss screws. Tighten all six truss screws after adjusting the surround panels to eliminate space between side and top surround panels.
6. Assemble the surround trim by inserting the elbowed retainer in the rectangular slot in the ends of the longest piece of trim and secure by tightening the screw in the retainer. Slide the mitred ends of the two side trim pieces onto the elbowed retainer and secure by tightening the retainer screw.
7. The fastened trim pieces should now be horseshoe shaped. Slide the trim down over the surround panels so the edge of the surround panel fits just behind the rounded edge of the trim.
8. Install three spring clips (found in parts bag in firebox) in each piece of trim by inserting them between the rear of the surround and the channel of the trim. The spring clips will push the trim tight to the surround.

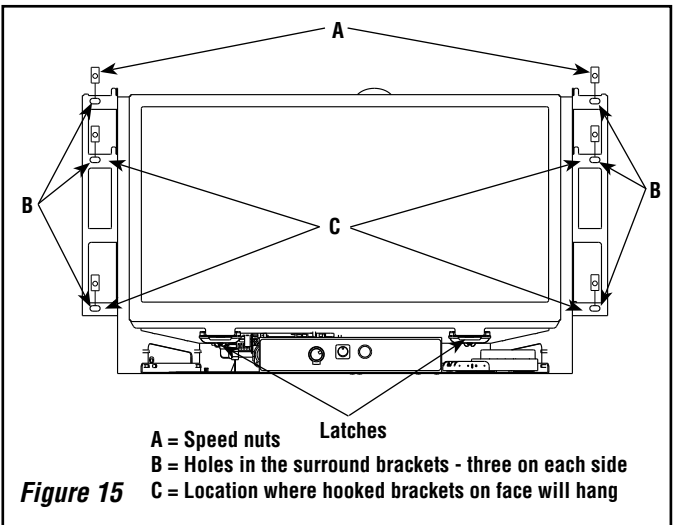


Figure 15

Face Installation

A number of different face finishes and styles are available for your appliance. The Arch face comes with a sight obstructor that must be installed prior to installing the surround panels and face. Instructions for installing the sight obstructor are included with the face. The faces come with hooked brackets. To install the face, hang the hooked brackets on the surround brackets (See **C** in **Figure 15**).

Note: Plated surfaces must be cleaned with glass cleaner and a soft clean cloth before firing the first time or fingerprints and stains will remain permanently. **NEVER use brass polish to clean plated surfaces, this will remove the plating!!!**

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

Gas Line Installation

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

CAUTION: Specific hearth requirements apply (see Clearances to Combustibles).

This appliance must be connected to the gas line in accordance with local codes and/or the National Fuel Gas Code, ANSI Z223.1 (In Canada, the current CAN/CGA B149.1 installation code). This appliance comes with an 8" nipple, provided in the literature package. After connecting the gas line, all joints in the line and connections at the valve should be checked for leaks before final positioning of the unit. Conduct a gas leakage test of the appliance piping and control system downstream of the shutoff valve in the supply line to the appliance.

Gas Pressure Requirements

A MAJOR CAUSE OF OPERATING PROBLEMS WITH GAS APPLIANCES IS IMPROPER GAS PRESSURE!

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

Two pressure taps are provided on the appliance's valve to check gas pressures (see **Figure 16** for locations). To check inlet pressure (with the appliance burning), insert a small flat blade screwdriver into the tap and turn a half turn counter-clockwise. Cover the tap with the line from a manometer and check the pressure. Close the tap gently but securely after completing the check. To check manifold pressure (with the appliance burning at the high burn setting) insert a small flat blade screwdriver into the tap and turn a half turn counter-clockwise. Cover the tap with the line from the manometer and check the pressure. Again, close the tap gently but securely after completing the check. Check the taps for gas leaks with a gas leak test solution (retighten if necessary).

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

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

The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures **in excess of** 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at test pressures **equal to or less than** 1/2 psig (3.5 kPa).

Fuel Type	Inlet Pressure			Manifold Pressure	
	Desired	Minimum	Maximum	On Hi Fire	On Lo Fire
Natural Gas	7" WC	5" WC	10.5" WC	3.5" WC	1.6" WC
LP Gas	11" WC	10.5" WC	13" WC	10" WC	6.4" WC

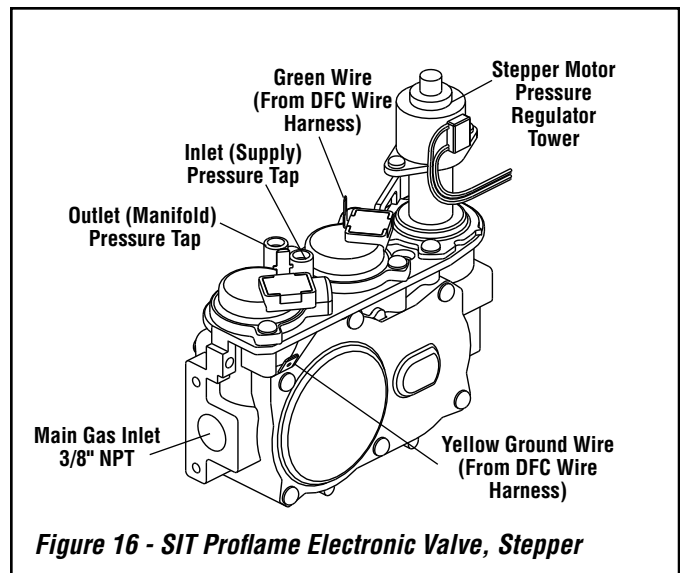


Figure 16 - SIT Proflame Electronic Valve, Stepper

LP and Natural Gas Supplies

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

Also check the orifice size on the label which is located in the control compartment. It must be the correct size for the fuel and altitude.

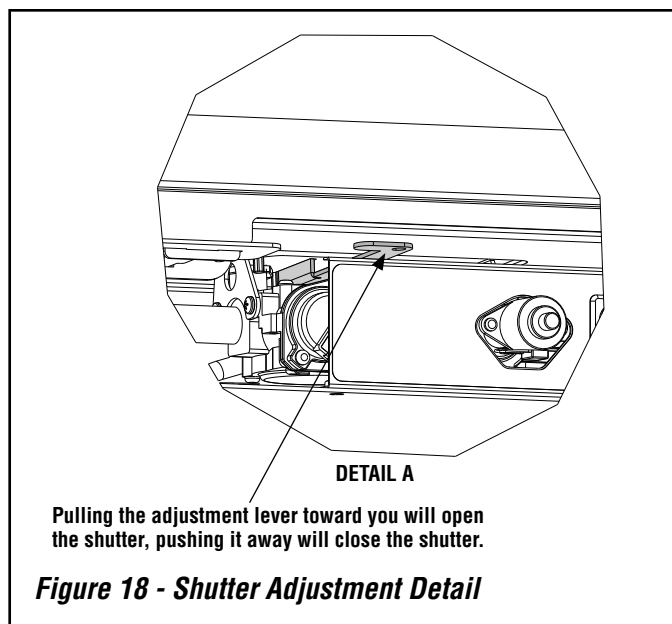
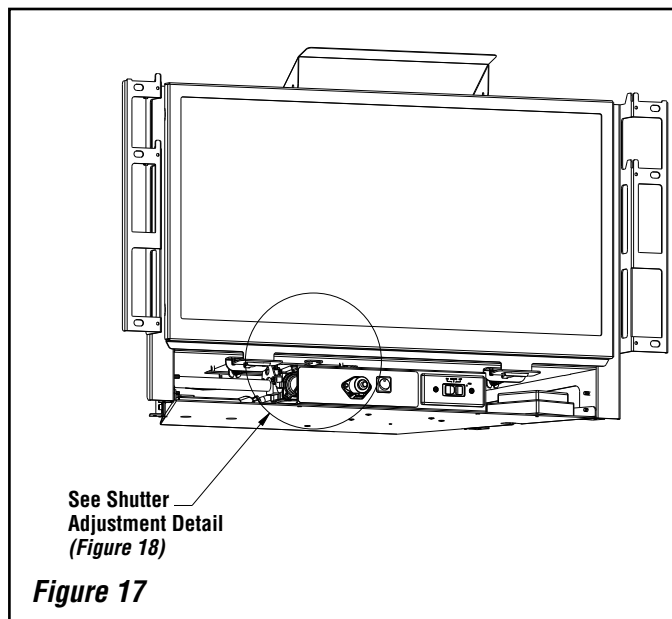
Do not run propane tank dry. Running the tank dry may cause a hazardous condition due to pressure drop in empty tank.

Solid fuel is NOT to be used with this unit.

Air Shutter Adjustment

This appliance has an air shutter adjustment lever located behind the lower door of the inserts face, directly above the gas valve (see **Figures 17 and 18**). The lever is linked to the primary air shutter on the main burner. The air shutter regulates the amount of primary air the burner receives and therefore how clean the insert burns. The air shutter should only be adjusted by a qualified gas technician. The insert should burn for about 15 minutes with the glass media installed before adjusting the air shutter. More air will result in shorter flames and less color, less air will result in bigger flames and more color. To adjust the air shutter, move the adjustment lever toward or away from you using a screw driver or needle nose pliers. (see **Figures 17 and 18**).

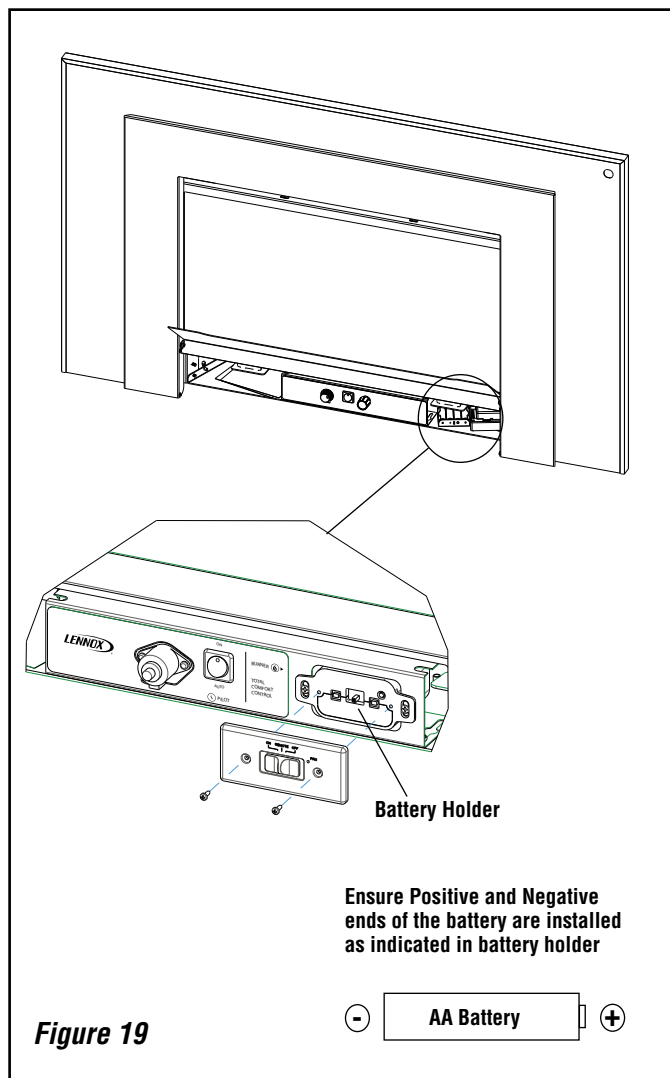
CAUTION: The air shutter should never be set so as to make the tips of the flames sooty or create sooting on the viewing glass, glass media, or firebox panels. If soot begins to form after burning, the air shutter should be opened gradually until the sooting condition stops. Gas quality and gas pressure may vary, which can affect the burning characteristics of the insert.



Battery Backup - Battery Installation

This appliance is equipped with a battery backup system. It requires four (4) "AA" batteries, not provided, to power the appliance (without the blower) during a power outage. Install the batteries into the battery holder per instructions in **Figure 19**.

Batteries, even if not used, will gradually drain over time. It is recommended to annually check the batteries for sufficient charge and replace when necessary.



INSTALLER INSTRUCTIONS - ATTACHING SAFETY IN OPERATION WARNINGS

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

ATTACHING SAFETY IN OPERATION WARNINGS

It is required that the set of safety instruction labels that have been furnished with the appliance be affixed to the operation and control points of the appliance. A safety instruction label should be affixed next to the burner control switch where the appliance is turned on and off (See **Figure A**) and the remote control handheld transmitter (See **Figure B**). To properly complete the installation of this appliance, locate the multi-lingual adhesive labels provided with these instructions and proceed as follows:

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

Cat. No. H8024 Replacement Label Kit

LENNOX HEARTH PRODUCTS
1-800-655-2008

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

SAFETY LABEL DIAGRAMS



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

Il est impératif que le jeu d'étiquettes de sécurité qui ont été fournies avec le foyer soient collées à côté des dispositifs de contrôle du impératif. Une étiquette de sécurité devrait être collée sur la plaque du récepteur contrôlant l'allumage de l'appareil (voir **Figure A**) et sur le boîtier de la télécommande (**Figure B**). Les mises en garde auraient dû être collées au moment de l'installation initiale de l'appareil. Si ce n'est pas le cas, prenez les étiquettes adhésives multilingues fournies avec ces instructions et procédez comme suit :

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

Étiquettes de remplacement, n° cat. H8024

LENNOX HEARTH PRODUCTS
1-800-655-2008

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

DIAGRAMMES DES ÉTIQUETTES DE SÉCURITÉ



COLOCACIÓN DE ADVERTENCIAS DE SEGURIDAD EN OPERACIÓN

Se requiere que el juego de etiquetas de instrucciones de seguridad que se incluyeron con la artefacto se coloque en los puntos de operación y control de la misma. Se debe colocar una etiqueta de instrucciones de seguridad adyacente al interruptor de control del quemador donde se enciende y se apaga el artefacto (ver la **Figura A**) y en el transmisor de control remoto (**Figura B**). Las advertencias ya deben haberse colocado cuando se completó la instalación inicial del artefacto. Si no están colocadas en estos lugares, encuentre las etiquetas adhesivas multilingües proporcionadas con estas instrucciones y prosiga de la siguiente manera:

1. Identifique el interruptor de control en el panel de control del artefacto (verifique que el interruptor opera el artefacto encendiéndolo y apagándolo). Limpie bien la superficie del panel de control para quitar el polvo y aceite. Pegue la etiqueta adyacente al interruptor de control del quemador que controla el artefacto (**Figura A**). Seleccione el idioma que más se habla en la casa. Si no sabe cuál es, use la etiqueta en inglés.
2. Identifique el transmisor de control remoto y límpiolo bien para quitar el polvo y aceite. Pegue la etiqueta en la superficie del transmisor (**Figura B**). Seleccione el idioma que más se habla en la casa. Si no sabe cuál es, use la etiqueta en inglés.
3. Si no puede encontrar las etiquetas, sírvase llamar a Lennox Hearth Products o al distribuidor de Lennox Hearth Products más cercano para recibir etiquetas de instrucciones de seguridad adicionales gratuitas.

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

LENNOX HEARTH PRODUCTS
1-800-655-2008

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

DIAGRAMAS DE ETIQUETAS DE SEGURIDAD



Figure A

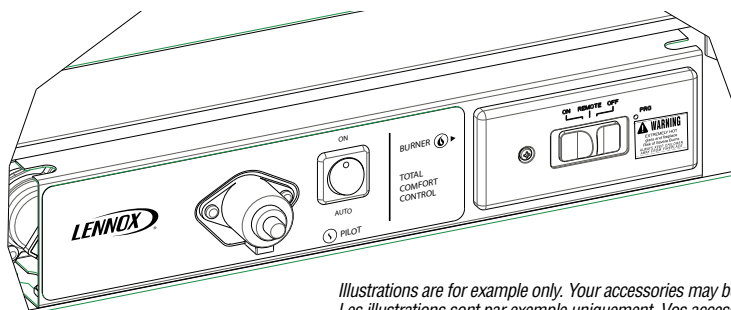


Figure B



*Illustrations are for example only. Your accessories may be different.
Les illustrations sont par exemple uniquement. Vos accessoires peuvent être différents.
Las ilustraciones son sólo ejemplos. Tu accesorios pueden ser diferentes.*

OPERATION

Pre-Lighting Checklist

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

- ☐ Gas pressure has been checked carefully - see **Page 16**.
- ☐ All gas fittings have been checked for leaks.
- ☐ All clearances to combustibles have been met-see **Page 10**.
- ☐ All combustible materials have been removed from the area in front of the insert.
- ☐ All vented areas of the insert face are unobstructed.
- ☐ House is ventilated to clear initial paint curing odors - see **Page 23**.
- ☐ All packaging materials have been removed from the firebox.
- ☐ While appliance is cool, fingerprints or other marks have been cleaned from any plated surfaces with denatured alcohol and a soft cloth. Marks left on these surfaces may become permanent into the finish if not removed prior to burning the unit.
- ☐ Firebox liner panels and glass media have been installed.
- ☐ The glass door is in place and is properly sealed.

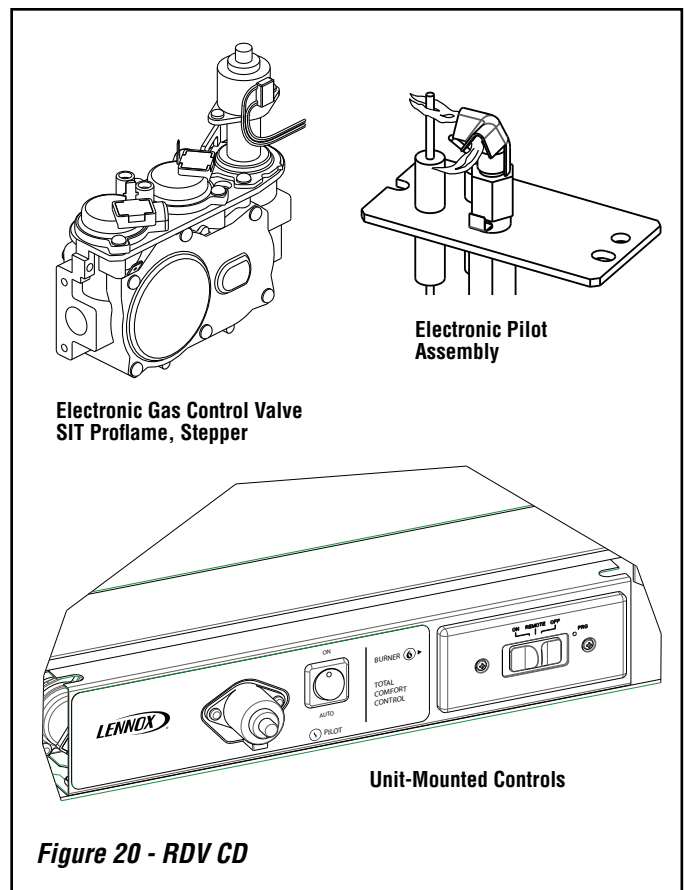
Operating Instructions

See **Page 33** for operating instructions.

IMPORTANT NOTE: When opening the lower door on the face while the insert is burning, pull at the far left or far right vent openings, because the door is hot during operation.

WARNING

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



Intermittent/Standing Pilot Mode

(On/Auto Pilot Mode Switch)

This appliance can be switched from intermittent ignition to a standing pilot simply by toggling the switch located in the lower control compartment (*refer to **Figure 20***). To save energy, switch to intermittent mode. To have a standing pilot which will help startup during cold climate conditions by warming the flue and the glass, switch to standing pilot.

The standing pilot mode is indicated by a pilot that comes on and remains lit when the fireplace is off.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

OPERATION - RDV CD

Remote Control System

The Remote and Receiver allows you to command the functions of your appliance from the comfort of your chair and is configured to control the On/Off primary burner operation, its flame levels (through six levels) and provides On/Off and Smart thermostatic control of the appliance.

The system controls blower speed through six (6) levels and has a constantly powered 120V/60Hz power outlet.

The Receiver connects directly to the gas valve, stepper motor and the Blower Control Module with an umbilical cord wiring harness (see *Wire Diagram on Page 24*).

The Receiver accepts commands via radio frequency from the Remote (transmitter) and does not require line-of-sight operation.

The Receiver three position slider switch can be set to one of three positions: ON (Manual Override), REMOTE (Remote Control) or OFF.

Initializing The System For The First Time

Install 4 AA batteries into the receiver battery bay (behind the switch plate). Note the polarity of the battery and insert into the battery bay as indicated on the Battery cover (+/-).

Place the 3 position slider switch in the "Remote" position (see *Figure 21*). Using the end of a paper clip, or other similar object, insert the end of the paper clip into the hole marked "PRG" on the Receiver front cover. The Receiver will "beep" three (3) times to indicate that it is ready to synchronize with the Remote (transmitter).

Install 3 AAA type batteries in the Remote (transmitter) battery bay, located on the base of the Remote. With the batteries already installed in the Remote, push the ON button. The Receiver will "beep" four times to indicate the Remote's command is accepted and sets to the particular code of that Remote. The system is now initialized.

Low Battery Power Detection

The life span of the Receiver batteries depends on various factors: quality of the batteries used, the number of ignitions of the appliance, the number of changes to the room thermostat set point, etc.

When the Receiver batteries are low, two "beeps" will be emitted from the Receiver when it receives an ON/OFF command from the Remote.

This is an alert for a low battery condition for the Receiver. When the batteries are replaced the "beep" will be emitted from the Receiver when the ON/OFF key is pressed (See Initializing The System).

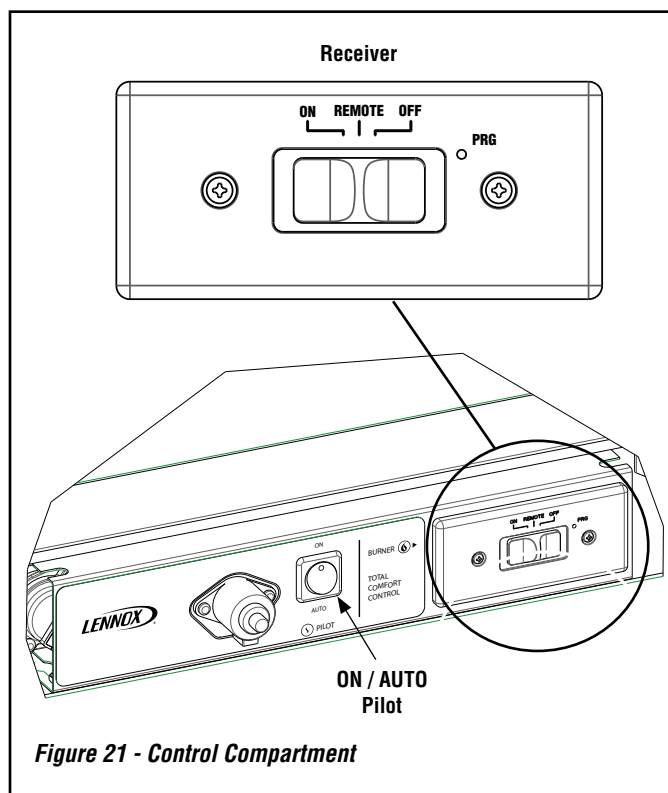


Figure 21 - Control Compartment

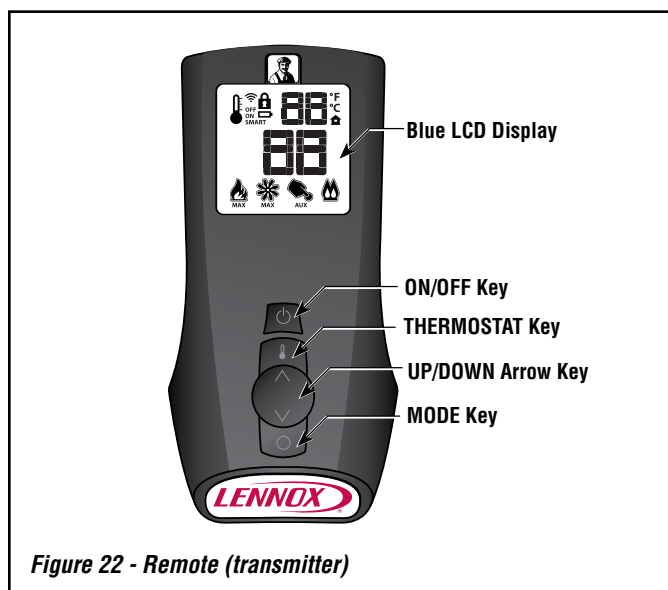


Figure 22 - Remote (transmitter)

⚠ WARNING

Fire hazard. Can cause severe injury or death. The receiver causes ignition of the appliance. The appliance can turn on suddenly. Keep away from the appliance burner when operating the remote system or activating manual bypass of the remote system.

⚠ CAUTION

Property damage hazard. Excessive heat can cause property damage. The appliance can stay lit for many hours. Turn off the appliance if it is not going to be attended for any length of time. Always place the Transmitter where children can not reach it.

OPERATION - RDV CD

Temperature Indicator Display

With the system in the "OFF" position, press the Thermostat Key and the Mode Key at the same time (see **Figure 22**). Look at the LCD screen on the Remote to verify that a C or F is visible to the right of the Room Temperature display (see **Figure 23**).

Turn On The Appliance

Press the ON/OFF Key on the Remote. The Remote display will show all active Icons on the screen (see **Figure 23**) and the appliance main burner will turn on. A single "beep" from the Receiver will confirm reception of the command.

Turn Off The Appliance

Press the ON/OFF Key on the Remote. The Remote LCD display will only show the room temperature and Icon and the appliance burner will turn off. A single "beep" from the Receiver confirms reception of the command.

Remote Flame Control

The system has six (6) flame levels. See **Figures 24 and 25** for an example. With the system on, and the flame level at the maximum in the appliance, pressing the Down Arrow Key once will reduce the flame height by one step until the flame is turned off.

The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position (see **Figure 25**). A single "beep" will confirm reception of the command.

Room Thermostat (Remote Operation)

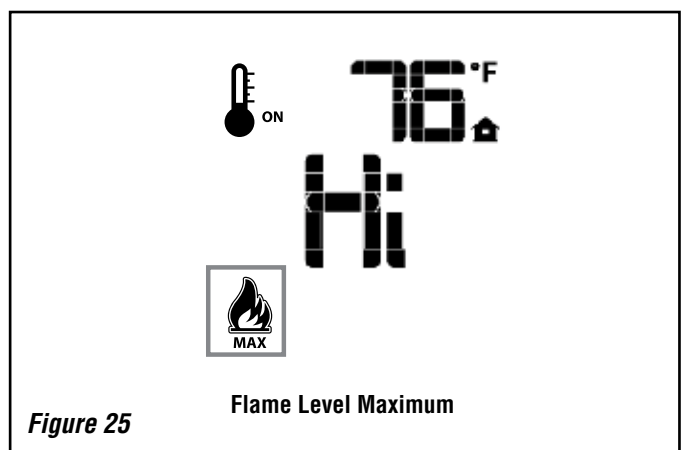
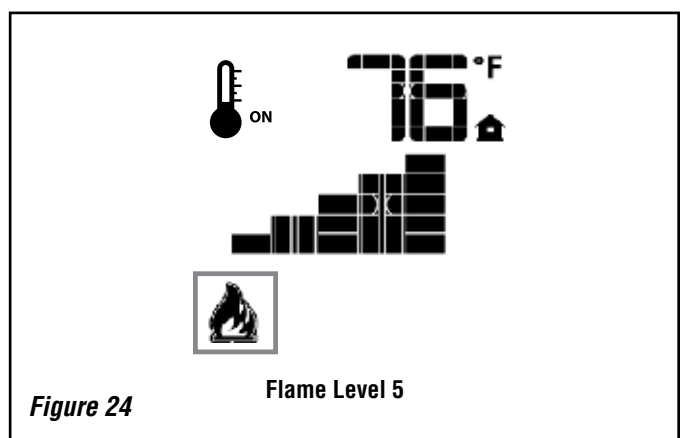
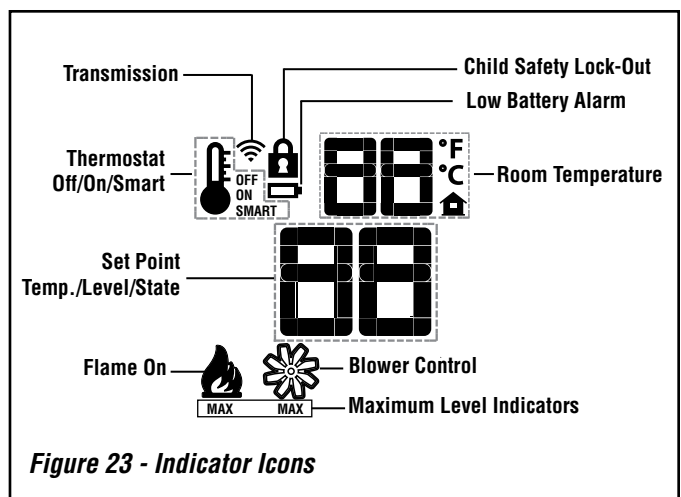
The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room.

To activate this function, press the Thermostat Key. The LCD display on the Remote will change to show that the room temperature is "ON" and the set temperature is now displayed (see **Figure 23**). To adjust the set temperature, press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Remote.

Smart Thermostat (Remote Operation)

The smart Thermostat function adjusts the flame height in accordance to the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point, the Smart Function will modulate the flame down.

To activate this function, press the Thermostat Key until the word "SMART" appears to the right of the temperature bulb graphic. To adjust the set temperature, press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Remote (see **Figure 23**).



WARNING

THE REMOTE (TRANSMITTER) AND RECEIVER ARE RADIO FREQUENCY DEVICES. PLACING THE RECEIVER IN OR NEAR METAL MAY SEVERELY REDUCE THE SIGNAL RANGE.

OPERATION - RDV CD

Blower Speed Control

This appliance is equipped with a hot air circulating blower. The speed of the blower is controlled by the Remote. The blower speed can be adjusted through six (6) speeds.

To activate this function use the Mode Key to index to the blower control icon (see **Figures 22 and 23**). Use the Up/Down Arrow keys to turn on, off or adjust the blower speed. A single “beep” will confirm reception of the command.

Note: The blower can be controlled only by the remote. Turning the appliance off with the unit mounted three position slider switch (**Figure 21**) will NOT turn off the blower. To turn off the blower, use the remote in lieu of or prior to shutting the appliance off at the three position slider switch (**Figure 21**).

Blower speed will be indicated by either an Off, Level Bar, or HI shown in the Set Point/Temp/Level/State indicator area.

Key Lock

This function will lock the keys to avoid unsupervised operation. To activate this function, press the MODE and UP keys at the same time. To de-activate this function, press MODE and UP Keys at the same time.

Manual Bypass Of The Remote System

If the batteries of the Receiver or Remote are low or depleted, the appliance can be turned on manually by sliding the three position slider switch to the ON position. This will bypass the remote control feature of the system and the appliance main burner will come on.

OPERATION - RDV CD

Flame Color and Behavior

This appliance is designed for maximum heating efficiency. Therefore, upon lighting of the main burner the flames will be semi-transparent or “bluish.” After 10-20 minutes of operation the insert will heat up and the flames will become a yellow/orange color.

Adjusting the appliance to cause the flames to turn orange sooner may result in poor combustion, sooting and a hazardous situation. See **Figure 26** showing proper flame appearance.

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

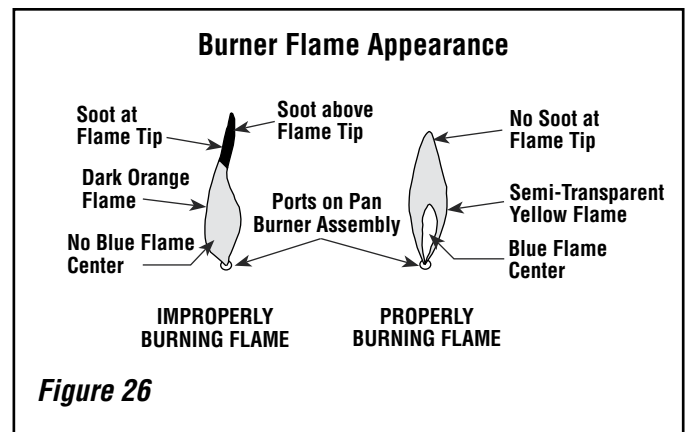


Figure 26

Paint Curing

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

Quiet Operation

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

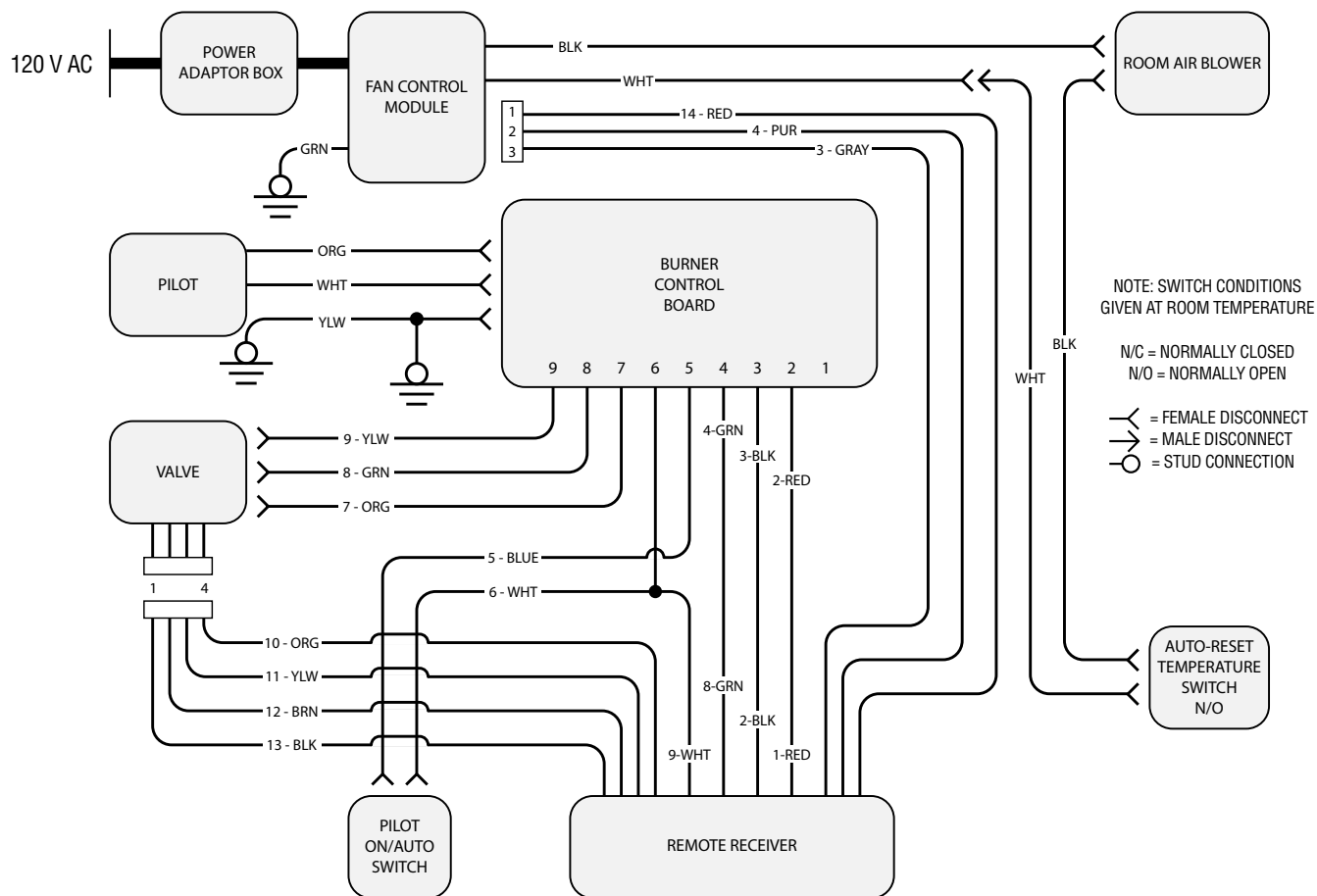


Figure 27 - Electronic Control Schematic - Models RDV CD

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

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

MAINTENANCE AND SERVICING

WARNING

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

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

Verify proper operation after servicing.

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

Maintenance Checklist

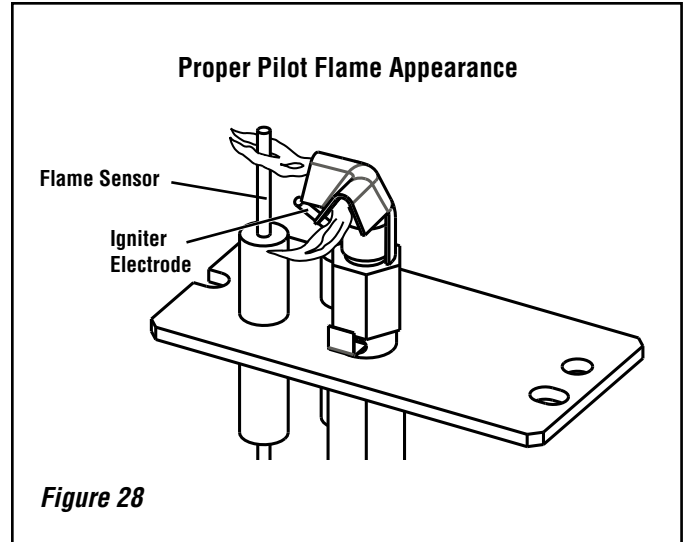
The following should only be performed by a qualified service technician.

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

- ☐ When unit is cool, remove glass and inspect burner for dirt, soot and lint accumulations and remove if necessary. Before cleaning the burner, remove and clean the media following the instructions on **Page 26**. If excessive soot accumulation is present on burner, have a qualified service technician adjust the burner for proper combustion.
- ☐ Clean inside of glass with gas fireplace glass cleaner. NEVER attempt to remove or clean the glass when the unit is hot.
- ☐ Check the hot air outlet vents for lint or other accumulations. Never block or restrict vent openings, obstruct flow of ventilation air, or use vents other than those approved for use with this appliance.
- ☐ Check that the chimney and its outlet are open and free of soot, blockage, or debris.
- ☐ Check gaskets once a year. Gaskets must be tight. Replace if necessary.
- ☐ Inspect the pilot system for proper flame. Turn the pilot ON/Auto switch to the ON position. Ensure the igniter lights the pilot. The pilot flame should engulf the flame sensor as shown in **Figure 28**. See *Intermittent/Standing Pilot Mode* on **Page 20** for instructions on switching from intermittent ignition to a standing pilot.

- ☐ Check that the area around the insert is kept clear and is free of combustible materials, gasoline and other flammable vapors and liquids.

2. The viewing glass should be cleaned periodically (see Glass Maintenance).



Glass Door Cleaning and Maintenance

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

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

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

Fuel Conversion

Converting this appliance between natural gas and propane (LP) can be accomplished by installing a gas conversion kit. Only a qualified service technician should perform the conversion.

Gas Conversion Kits: Please see instructions provided with conversion kit.

Removing And Cleaning Media

CAUTION: Risk of personal injury. Allow media to completely cool before handling.

To remove glass media from appliance (for cleaning or replacement):

Use a clean, dry, empty shop vac.

1. Place media in colander or sieve, and carefully rinse under hot water.
2. Allow media to air dry before reinstalling.

Blower Removal

Unplug the power supply cord from the electrical outlet prior to removing the blower. The blower can be accessed through the back wall of the firebox.

Remove the insert face, glass door, firebox panels, glass media, burner assembly, and front and rear media trays.. All of these items are fragile so handle them with care. Next, remove the five allen head screws around the outside of the panel fastened to the back wall of the firebox. Rotate the top of this panel toward the front, remove the two wires connected to the blower and then lift the panel with the blower attached out of the firebox. Remove the blower assembly by removing the two screws holding it to the panel bracket. To reinstall the blower, repeat these steps in the reverse order.

Electrical Requirements:

This appliance is equipped with an electronic valve and electronic pilot ignition system (which can be switched from Intermittent to standing pilot mode - see **Page 20**). External electrical 120 Volt power is required to operate the blower system of this appliance and recommended to operate the burner system. This appliance is equipped with a battery backup system in case of a power outage (see **Battery Backup** on **Page 17** for more information).

This appliance, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, the National Electrical Code ANSI/NFPA 70 - latest edition. (See Operating Options for burner ON/OFF switch information).

TROUBLESHOOTING

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

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

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Thin black coating (soot) forms on the viewing glass, firebox panels, or glass media.	Too much or improper placement of glass media. Improper air shutter setting Not enough combustion air	See Firebox Panel Kit and Glass Media Installation on Pages 14 and 15 . If sooting continues open air shutter (see Air Shutter Adjustment on Page 17). Check for debris obstructing air flow in valve compartment under insert or in front of lower venting.
Humming or whistling coming from insert.	Normal operating noise Obstructed orifice opening	See Quiet Operation on Page 23 . The noise may be reduced by slightly turning down the flame. Turning the flame down will reduce the heat output of the appliance. If noise is excessive or is “whistling” have your gas supplier check the regulator and orifices and replace if necessary.
A change in flame appearance or burner operation.	A change in gas pressure Too much or improper placement of glass media.	Have your gas supplier check for correct inlet gas supply pressure (7" W.C. / po. C.E. [1.74 kPa] natural gas; 11" W.C. / po. C.E. [2.74 kPa] LP gas). NOTE: NEVER BLOCK OR OBSTRUCT AIR INTAKE OR OUTLET VENTS. See Firebox Panel Kit and Glass Media Installation on Pages 14 and 15 .
The main Burner comes on but then goes out.	Gas is not reaching the appliance. Loose wires to the valve or ignition module. Pilot flame is not engulfing the sensor. Obstructed vent system.	Check the gas supply and gas shutoff valves. Check control compartment for any obvious loose wiring (call a service technician if required). Call for a service technician. Call for a service technician.
Nothing happens when the appliance is turned On/Off.	Gas is not reaching the appliance. Appliance is not receiving power.	Check the gas supply and gas shutoff valves. Check/replace back-up batteries (see Battery Backup on Page 17). Check building circuit breakers to ensure power is on to the appliance. Check Fan Control Module power switch to ensure power is on (see Figure 6 on Page 11).
The main burner does not light and the igniter is sparking.	Gas is not reaching the appliance. Loose wires to the valve. Loose wires to ignition module. Air in the gas line.	Check the gas supply and gas shutoff valves. Check control compartment for any obvious loose wiring (call a service technician if required). Check control compartment for any obvious loose wiring (call a service technician if required). Purge gas line of air (call a service technician if required).

REPLACEMENT PARTS - RAVENNA™ CD

Item #	Cat. #	Description
1	H8857	Media Tray
2	H8502	Left Face Hanging Bracket with Mounting Screws
4	H8492	Flue Collar Kit
5	H5723	Air Intake Kit
6	H8501	Right Face Hanging Bracket with Mounting Screws
7	H5727	Leveling Leg Kit - 2 legs with Screws
8	H8500	Door Latch Assembly
9	H8503	RDV Blower Mounting Assembly
10	H8499	Firebox Door Assembly with Glass
11	H8856	RDV CD Burner Assembly
13	H8505	RDV TCC/CD Control Panel
14	H8482	Heat Shield, Fan Control Module
15	H8483	Blower Snap Switch, 160°-20°F
16	H3077	Power Cord, C13 End
17	H8493	RDV Blower with Mounting Screws
21	H7272	Ignition Control Board
22	H7277	Remote Receiver, GT/GTMF, Replacement
---	H7275	Remote Control, GTMF, Replacement
23	H5744	On/Off Switch, Pilot Mode
25	H7274	Fan Control Module
---	H8484	Pilot Ground Wire
---	H8489	Ignition Control Board & GTMF Remote Receiver Wiring Harness 18"
---	H8496	RDV TCC/CD Blower Wiring Harness

26	H8859	Cassette Assembly NG 32,000 BTU (if LP, also requires H8858 Conversion Kit)
27	H8490	3/8" NPT Pipe Nipple, 8"
29	H5924	Orifice, Main Burner #36 NG 32,000 BTU
29	H5964	Orifice, Main Burner #53 LP 27,000 BTU
31	H8491	Pilot Assembly Convertible, NG or LP
32	H8509	Gas Control Valve, TCC/CD Auto Hi/Lo Regulator, NG (if LP, also requires H8858 LP Regulator)
---	H8458	Gas Conversion Kit, TCC/CD Auto Hi/Lo Regulator, LP to NG
---	H8858	Gas Conversion Kit, CD Auto Hi/Lo Regulator, NG to LP
33	H5752	Wire Grommet
34	H8497	Hook and Loop Dot Kit - 4 sets
36	H8651	TCC/CD Power Adaptor Box Assembly
37	H8650	Convection Air Deflector
---	H5989	Hardware Package
---	H8518	Gasket Kit
---	H5908	Replacement Cast Pillar Face Glass, Center
---	H5910	Replacement Cast Pillar Face Glass, Side

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

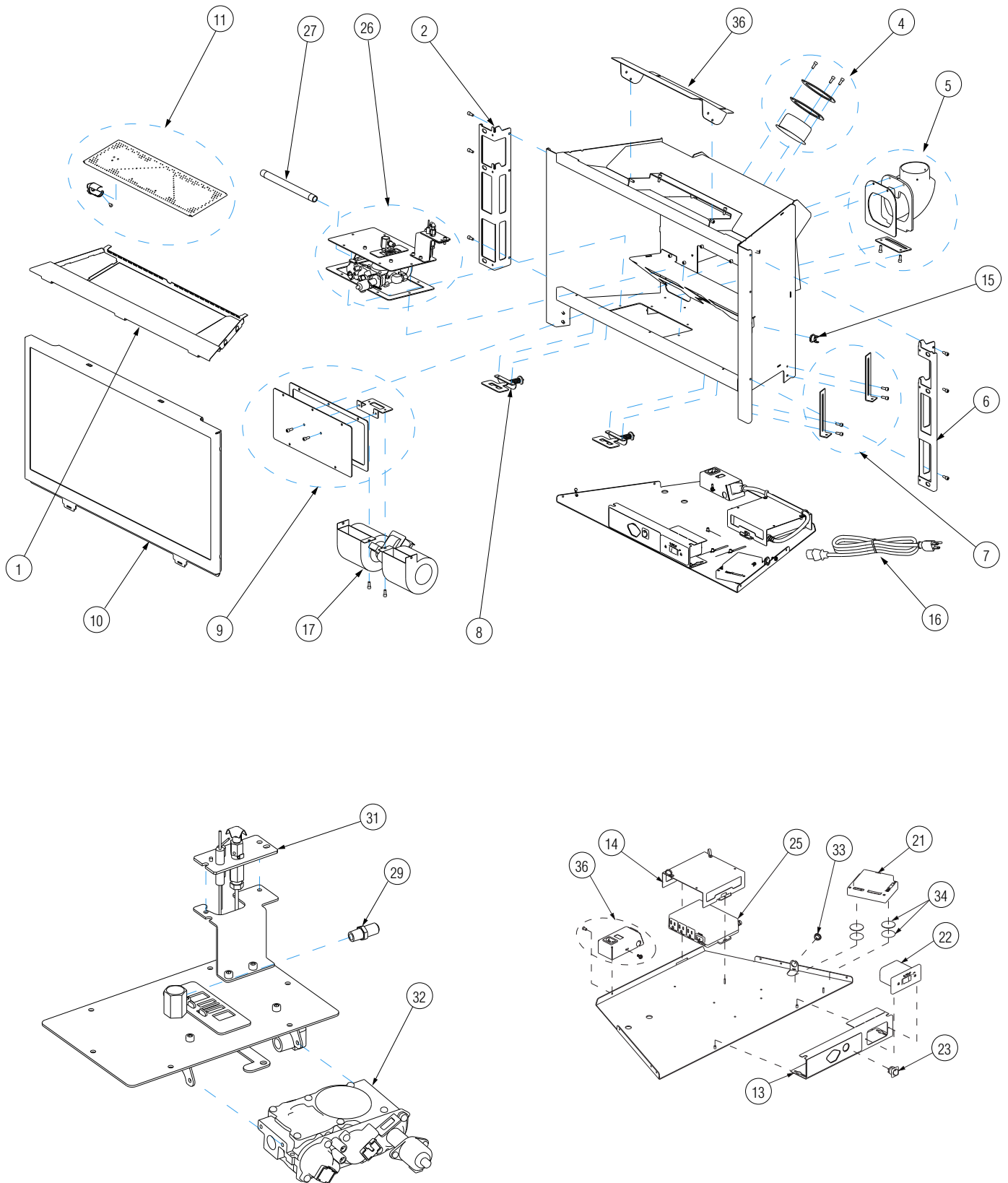
WARNING

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

AVERTISSEMENT

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

REPLACEMENT PARTS - RAVENNA™ CD



NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

ACCESSORIES - RAVENNA™ CD

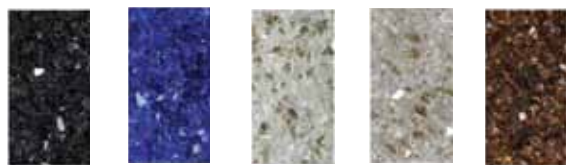
Product Reference Information

Cat. No.	Description	Ship. Weight	Ship. Volume
H8854	RAVENNA CD - Total Comfort Control	144 lb.	16.9 cu. ft.

Porcelain Panel Kit

Cat. No.	Model	Description
H8855	RDV-BLK-PCLPNL	RAVENNA CD - Black Porcelain Panels

Glass Media Kits



Reflective Black Reflective Blue Platinum Goldfinger Copper

H8412	CRSHGL-RBLK	Reflective Black
H8424	CRSHGL-RBLU	Reflective Blue
H8413	CRSHGL-P	Platinum
H8538	CRSHGL-GF	Goldfinger
H8539	CRSHGL-C	Copper

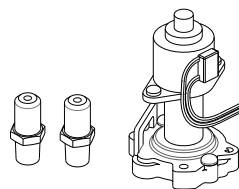
Insets



(ref. form #775255M)

Cat. No.	Description	Cat. No.	Description
75306	ASPEN Black	75378	PACIFIC Black
75308	ASPEN Gold	75379	PACIFIC Gold
75307	ASPEN Brushed Nickel	75380	PACIFIC Brushed Nickel
75309	ASPEN Black Nickel	75381	PACIFIC Black Nickel
75330	NAPA Black	75298	TUSCAN Black
75332	NAPA Gold	75300	TUSCAN Gold
75331	NAPA Brushed Nickel	75299	TUSCAN Brushed Nickel
75333	NAPA Black Nickel	75301	TUSCAN Black Nickel

Gas Conversion Kits



RDV33

Cat. No.	Model	Description
H8458	RDV-CK-TCC-LP to NG	LP to NG Conversion Kit
H8858	RDV-CK-CD-NG to LP	NG to LP Conversion Kit

Finish Panels/front Supports

75253	RDV-DBV ZC STD SPPT	"ZC Lower Finish Panel/Reg Face Support *Requires Trim Pieces below" (ref. form #775259M)
75251	GFHKET-B	Extended Side Trim, Black (ref. Form # 775208M)
75062	GFHKET-G	Extended Side Trim, Gold (ref. Form # 775208M)
75063	GFHKET-N	Extended Side Trim, Nickel (ref. Form # 775208M)

Arched Face Kits

(ref. form #775255M)



Also requires an inset kit (sold separately)

75374	AIF-INS-BLK	Black Face
75375	AIF-INS-GOLD	Gold Face
75376	AIF-INS-BRNKL	Brushed Nickel Face
75377	AIF-INS-BKNKL	Black Nickel Face

Traditional Face Kits

(ref. form #775254M)



Cat. No.	Description
75167	DBV-RDV F-B Black Face/gold Trim, 36-1/2" W x 23-1/2" H
75168	DBV-RDV F-G Gold Face, 36-1/2" W x 23-1/2" H
75006	DBV-RDV TRDF-BKN Black Nickel Face, 36-1/2" W x 23-1/2" H
75045	DBV-RDV TRDF-BN Brushed Nickel Face, 36-1/2" W x 23-1/2" H

Touch-Up Paint Kit



H8159	TSPK-B	Touch-Up Paint, Metallic Black (12 oz aerosol)
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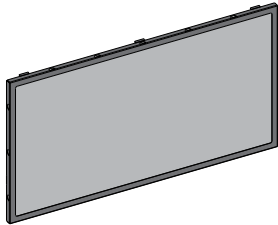
NOTE: The form numbers referenced are the part numbers of the instruction sheets included in kits.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

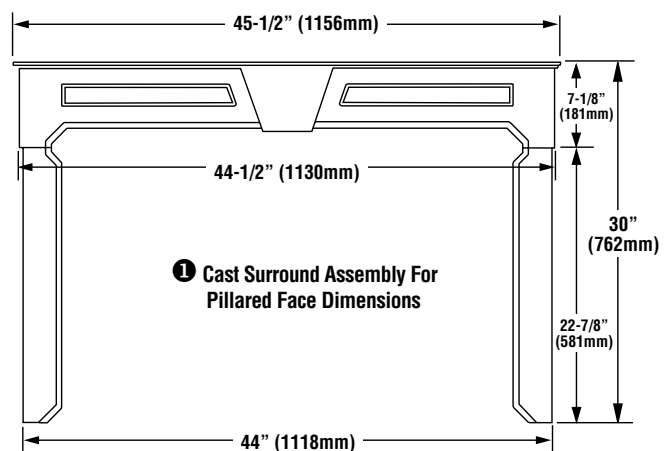
Surround Trim Kits (ref. form #775262M)		
H5143	GFT2941-B	Trim/Black 29" x 41"
H5145	GFT2948-B	Trim/Black 29" x 48"
H5144	GFT3341-B	Trim/Black 33" x 41"
H5146	GFT3348-B	Trim/Black 33" x 48"
75036	GFT2941-G	Trim/Gold 29" x 41"
75038	GFT2948-G	Trim/Gold 29" x 48"
75040	GFT3341-G	Trim/Gold 33" x 41"
75042	GFT3348-G	Trim/Gold 33" x 48"
75037	GFT2941-N	Trim/Nickel 29" x 41"
75039	GFT2948-N	Trim/Nickel 29" x 48"
75041	GFT3341-N	Trim/Nickel 33" x 41"
75043	GFT3348-N	Trim/Nickel 33" x 48"

Surround Panel Kits (ref. form #775261M)		
H8520	RDV-DBV-FP2941-C1	29" x 41" BLACK Trim (One-piece)
H8521	RDV-DBV-FP2941-C	29" x 41" BLACK Trim
H8522	RDV-DBV-FP2948-C	29" x 48" BLACK Trim
H8523	RDV-DBV-FP3341-C	33" x 41" BLACK Trim
H8524	RDV-DBV-FP3348-C	33" x 48" BLACK Trim

Face Kits		
Screen Face Kit 37-1/2" W x 25-1/2" H (ref. form #775278M) 		
75028	SCREEN-DBV-RDV	Screen Face/double Door/black,
Contemporary Face Kits (ref. form #506033-61) 		
H8454	RDV-CONF-BLK	Contemporary Face - Black
H8455	RDV-CONF-MNK	Contemporary Face - Mink

Barrier Screen Kit (ref. form #506033-27) 		
H8460	RDV-IPI-BS	Barrier Screen Kit
Foundry™ Face Kit (ref. form #775287M) 		
75034	FOUNDRYF-30	BLACK FACE/Black Nickel Hand-Hammered Straps, 37-7/8" W X 25-3/16" H
Pillar Cast Face Kits ① Note: 3 boxes to complete face 37-5/8" W x 23-3/4" H 		
75093	PILCST-GLASS	Glass Door (Box 1 of 3) (ref. form #775258M)
75092	PILCST-PILRS2	Back, Pillars, Top (Box 2 of 3)
75094	PILCST-GRL-TRD3	Grill/bars Traditional (Box 3 of 3) Or
75091	PILCST-GRL-FIL3	Grill/filigree Ornate (Box 3 of 3)

Cast Black Surround Panels (see drawing below)		
75156	RDV-DBV-PCFP3044-TOP	Top (Box 1 of 2) (ref. form #775292M)
75157	RDV-DBV-PCFP3044-SIDES	Sides (Box 2 of 2) (ref. form #775292M)



SAFETY / LISTING LABEL - RAVENNA™ CD



4002589

MODEL **Ravenna™ CD**

MANUFACTURED BY:
LENNOX HEARTH PRODUCTS
1502 14TH ST NW
AUBURN, WA, USA 98001

SERIAL NO. **RDV CD**



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

VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUEL

CONFORMS TO ANSI STD Z21.88; CERTIFIED TO CSA STD 2.33 & CGA STD 2.17.
THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, IF ANY. IF NOT, FOLLOW THE CURRENT ANSI Z223.1/NFPA 54-LATEST EDITION (USA) OR CAN/CGA B149.1-LATEST EDITION (CANADA). THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION. FOR INSTALLATION IN SOLID FUEL BURNING FIREPLACES ONLY - MASONRY OR FACTORY BUILT. THIS VENTED GAS FIREPLACE HEATER IS NOT FOR USE WITH AIR FILTERS.
THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE RATING PLATE AND MAY BE INSTALLED IN AN AFTERMARKET, PERMANENTLY LOCATED, MANUFACTURED (MOBILE) HOME WHERE NOT PROHIBITED BY LOCAL CODES. SEE OWNER'S MANUAL FOR DETAILS. THIS APPLIANCE IS NOT CONVERTIBLE FOR USE WITH OTHER GASES UNLESS A CERTIFIED KIT IS USED.

DANGER: RISK OF ELECTRICAL SHOCK. DISCONNECT POWER BEFORE SERVICING UNIT.
IF ELECTRICALLY CONNECTED, CONNECTIONS AND GROUNDING MUST BE IN ACCORDANCE WITH LOCAL CODES, IF ANY. IF NOT, FOLLOW THE CURRENT NATIONAL ELECTRICAL CODE ANSI/NFPA 70-LATEST EDITION (USA) OR CSA C22.1-LATEST EDITION (CANADA).

MINIMUM FIREPLACE SIZES REQUIRED

Front Opening.....	31.50" (800mm)
Height.....	19.50" (495mm)
Rear Width.....	18.00" (457mm)
Depth.....	16.00" (406mm)

MINIMUM CLEARANCES TO COMBUSTIBLES

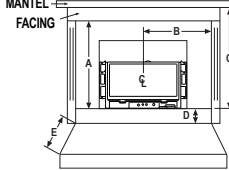
A = Top Facing to Bottom of Appliance.....	31.5" (800mm)
B = Side Facing or Side Wall to Center of Glass.....	25.5" (648mm)
* C = 10.5" (267mm) Mantel to Bottom of Appliance.....	39" (991mm)

HEARTH PROTECTION

D = Vertical Distance from base of appliance to Hearth Extension.....	0" (0mm) ; 2" (51mm) ; 4" (102mm)
E = Minimum Horizontal Distance from Front of Appliance.....	13" (330mm) ; 10" (254mm) ; 0" (0mm)

*See owner's manual for additional mantel clearances and options.

MINIMUM CLEARANCES



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

RATINGS	Ravenna CD (RDV CD)	
	NATURAL GAS	LP GAS
MAX/MIN INPUT BTUH 0-2,000 FT (0-610 M)*	32,000/21,000	27,000/21,000
MANIFOLD PRESSURE (IN. WC)	3.5	10.0
MIN. INLET PRESSURE (IN. WC)	5.0	10.5
ORIFICE (DMS) 0-2,000 FT (0-610 M)*	#36	#53

*UNIT FACTORY EQUIPPED FOR 0-2000 FT/0-610 M, IN CANADA 0-4500 FT/0-1370 M. ELECTRICAL RATING: 120 VAC, 60 HZ, LESS THAN 2 AMPS

CHIMNEY - USE 3" (76 MM) GAS VENT FLEX CHIMNEY LINER LISTED TO UL 1777 OR ULC S635.
THIS APPLIANCE MUST BE PROPERLY CONNECTED TO A VENTING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
FOR ALTITUDES ABOVE 2,000 FT/610M (IN CANADA 4500 FT/1370M) DE-RATE THE APPLIANCE BY FOUR (4)% FOR EVERY 1,000 FT (305 M).

CAUTION: HOT WHILE IN OPERATION. DO NOT TOUCH. SEVERE BURNS MAY RESULT. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE AND OTHER LIQUIDS HAVING FLAMMABLE VAPORS AWAY. KEEP BURNER AND CONTROL COMPARTMENT CLEAN. SEE INSTALLATION AND OPERATING INSTRUCTIONS ACCOMPANYING APPLIANCE. FOR USE WITH GLASS DOORS CERTIFIED WITH THIS APPLIANCE ONLY. DO NOT OPERATE THE APPLIANCE WITH GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE PANEL(S) SHOULD BE DONE BY A LICENSED OR QUALIFIED PERSON.

WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THE OWNER'S INFORMATION MANUAL PROVIDED WITH THIS APPLIANCE. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER.

DATE OF MANUFACTURE / DATE DE FABRICATION

2012	2013	2014	2015	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Part No. 580516-01 Rev. NC, 08/2012

DO NOT REMOVE OR COVER THIS LABEL

IGN 12-4825



4002589

MODÈLE **Ravenna™ CD**

FABRIQUÉ PAR:
LENNOX HEARTH PRODUCTS
1502 14TH ST NW
AUBURN, WA, USA 98001

SERIAL NO. **Le numéro de série est indiqué dans la section anglophone de cette étiquette**



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

FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE.

CONFORME AU STANDARD ANSI Z21.88; CERTIFIÉ AU STANDARD CSA 2.33 ET CGA 2.17.
CET APPAREIL DOIT ÊTRE INSTALLÉ CONFORMÉMENT AUX EXIGENCES DES CODES RÉGIONAUX ET DU CODE D'INSTALLATION ANSI NFPA 54-DERNIÈRE ÉDITION (ÉTATS-UNIS), OU CAN/CGA-B149.1-DERNIÈRE ÉDITION (CANADA). CET APPAREIL DOIT ÊTRE INSTALLÉ SELON LES DIRECTIVES D'INSTALLATION DU FABRICANT. POUR INSTALLATION DANS DES FOYERS À COMBUSTIBLE SOLIDE SEULEMENT - DE MAÇONNERIE OU PRÉFABRIQUÉ EN USINE. CE FOYER RADIANT AU GAZ À ÉVACUATION N'EST PAS CONÇU POUR ÊTRE UTILISÉ AVEC DES FILTRES À AIR.
CET APPAREIL DOIT ÊTRE UTILISÉ AVEC LE TYPE DE GAZ INDICQUÉ SUR LA PLAQUE SIGNALÉTIQUE ET PEUT ÊTRE INSTALLÉ DANS UNE MAISON PRÉEXISTANTE OU DANS UNE MAISON MOBILE FIXE. LA OU LES CODES RÉGIONAUX LE PERMETTENT, VOIR LE MANUEL D'ENTRETIEN POUR PLUS DE DÉTAILS. CET APPAREIL NE PEUT PAS ÊTRE CONVERTI POUR L'USAGE AVEC D'AUTRES TYPES DE GAZ À MOINS D'UTILISER UNE TROUSSE DE CONVERSION HOMOLOGUÉE.
DANGER: RISQUE DE CHOC ÉLECTRIQUE. DÉBRANCHEZ L'APPAREIL AVANT D'EN FAIRE L'ENTRETIEN.
SI L'APPAREIL REQUIERT UN BRANCHEMENT ÉLECTRIQUE, LES RACCORDEMENTS ET LA MISE À LA TERRE DOIVENT ÊTRE CONFORMES AUX EXIGENCES DES CODES RÉGIONAUX ET DU CODE D'INSTALLATION ANSI/NFPA 70 OU CSA C22.1.

DIMENSIONS MINIMUMS DE FOYER REQUISES

Ouverture avant.....	31.50" (800mm)
Hauteur.....	19.50" (495mm)
Largeur arrière.....	18.00" (457mm)
Profondeur.....	16.00" (406mm)

DÉGAGEMENTS AUX COMBUSTIBLES

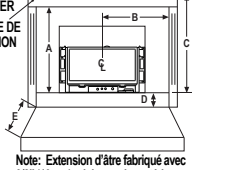
A = Du bas de l'appareil au dessous de la finition supérieure.....	31.5" (800mm)
B = Du centre de la vitre à la finition latérale.....	25.5" (648mm)
* C = 10.5" (267mm) manteau de foyer à partir de la base.....	39" (991mm)

PROTECTION DU FOYER

D = Distance verticale de la base de l'appareil à l'extension d'âtre.....	0" (0mm) ; 2" (51mm) ; 4" (102mm)
E = Extension d'âtre min. à l'avant de l'appareil.....	13" (330mm) ; 10" (254mm) ; 0" (0mm)

*Voir le manuel d'entretien pour les informations supplémentaires reliées aux distances à respecter pour le manteau de foyer.

DÉGAGEMENTS MINIMUMS



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

SPÉCIFICATIONS	Ravenna CD (RDV CD)	
	GAZ NATUREL	GAZ PROPANE
ENTRÉE MAX/MIN BTU/Hr 0-4500 PI (0-1370 M)*	32,000/21,000	27,000/21,000
PRESSION À LA SORTIE (IN. WC/I.C.E.)	3.5	10.0
PRESSION MINIMUM D'ENTRÉE DU GAZ (IN. WC/I.C.E.)	5.0	10.5
ORIFICE (DMS) 0-4500 PI (0-1370 M)*	#36	#53

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

CHEMINÉE - POUR LA SORTIE D'ÉVACUATION DES GAZ UTILISEZ UNE GAINÉ DE TUBAGE CERTIFIÉ SELON UL 1777 OU ULC S635.
CET APPAREIL DOIT ÊTRE RELIÉ À UN SYSTÈME D'ÉVACUATION TEL QUE SPÉCIFIÉ DANS LE MANUEL D'INSTALLATION DU FABRICANT.
EN ALTITUDE, AU-DELÀ DE 2000 PI/610 M, (AU CANADA 0-4500 PI/0-1370M) LA CAPACITÉ ÉNERGÉTIQUE DE L'APPAREIL DIMINUE DE QUATRE (4)% POUR CHAQUE 1000 PI (305 M).

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

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

No. pièce #580516-01 Rev. NC, 08/2012

La date de fabrication est indiquée dans la section anglophone de cette étiquette

IGN 12-4825

LIGHTING LABEL



FOR YOUR SAFETY READ BEFORE OPERATING

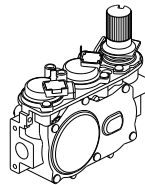
WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
- B. **BEFORE OPERATING** 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. If any portion of this appliance does not operate as the instructions indicate, do not try to repair it, call a qualified service technician. Do not use tools. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

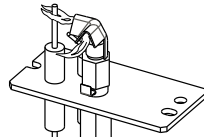
OPERATING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Read the operation section of the Installation and Operation manual.
3. Turn the burner ON/OFF switch in the control compartment to "OFF."
4. Turn "OFF" all electric power to the appliance.
5. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this page. If you do not smell gas, go to the next step.
7. Turn on all electric power to the appliance.
8. Turn the burner ON/OFF switch in the control compartment to ON. After approximately 4 seconds the spark ignition system will spark for 60 seconds to light the main burner.
9. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

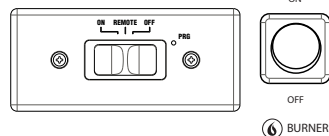
Electronic Gas Control Valve - SIT Proflame



Electronic Pilot Assembly



Control Switches



TO TURN OFF GAS TO APPLIANCE

1. Turn the burner ON/OFF switch in the control compartment to "OFF."
2. Turn off all electric power to the appliance if service is to be performed.
3. Close the main line gas shut-off valve.

P/N 580418-01, Rev. NC, 10/2011

POUR PLUS DE SÉCURITÉ LIRE AVANT DE METTRE EN MARCHÉ



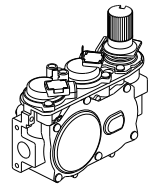
AVERTISSEMENT. Quiconque ne respecte pas à la lettre les instructions dans la présente notice risque de déclencher un incendie ou une explosion entraînant des dommages, des blessures ou la mort.

- A. Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne tentez pas d'allumer la veilleuse manuellement.
 - B. **AVANT DE FAIRE FONCTIONNER**, reniflez tout autour de l'appareil pour détecter une odeur de gaz. Reniflez près du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.
 - Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
 - Si vous ne pouvez rejoindre le fournisseur, appelez le service des incendies.
 - C. Si un élément de cette unité ne fonctionne pas tel que décrit dans les instructions, n'essayez pas de le réparer, appelez un technicien qualifié. N'utilisez pas d'outils. Le fait de forcer la manette ou de la réparer peut déclencher une explosion ou un incendie.
 - D. N'utilisez pas cet appareil s'il a été plongé dans l'eau, même partiellement. Faites inspecter l'appareil par un technicien qualifié et remplacez toute partie du système de contrôle et toute commande qui ont été plongés dans l'eau.
- QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :**
- Ne pas tenter d'allumer d'appareil.
 - Ne touchez à aucun interrupteur; ne pas vous servir des téléphones se trouvant dans le bâtiment.

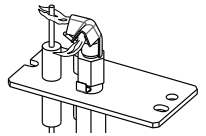
INSTRUCTIONS DE MISE EN MARCHÉ

1. **ARRÊTEZ !** Lisez les avertissements de sécurité à l'endos de cette étiquette.
2. Lire la section opération du manuel d'instructions et d'opération.
3. Mettre l'interrupteur du brûleur "ON/OFF" situé dans le compartiment de contrôle à « OFF ».
4. Coupez l'alimentation électrique de l'appareil.
5. Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne tentez pas d'allumer la veilleuse manuellement.
6. Attendez cinq (5) minutes** pour laisser échapper tout le gaz. Reniflez tout autour de l'appareil, y compris près du plancher, pour détecter une odeur de gaz. Si vous sentez une odeur de gaz, **ARRÊTEZ !** Passez à l'étape B des instructions de sécurité sur la portion supérieure (à gauche) de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante.
7. Mettez l'appareil sous tension.
8. Mettre l'interrupteur du brûleur "ON/OFF" dans le compartiment de contrôle à « ON ». Attendez 4 secondes. Le système d'allumage produira des étincelles pendant 60 secondes afin d'amorcer le brûleur principal.
9. Si l'appareil ne se met pas en marche, suivez les instructions intitulées « Comment couper l'admission de gaz de l'appareil » et appelez un technicien qualifié ou le fournisseur de gaz.

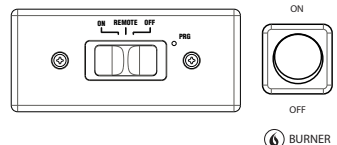
Valve électronique - SIT Proflame



Module de veilleuse électronique



Interrupteurs de contrôle



COMMENT COUPER L'ADMISSION DE GAZ DE L'APPAREIL

1. Mettre l'interrupteur du brûleur "ON/OFF" situé dans le compartiment de contrôle à « OFF ».
2. Couper le courant à l'appareil si un entretien doit être performed.
3. Fermer la valve de gaz principale.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

WARRANTY

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

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

PRODUCT REFERENCE INFORMATION

We recommend that you record the following important information about your appliance. Please contact your Lennox Hearth Products dealer for any questions or concerns. For the number of your nearest Lennox Hearth Products dealer, please call 1-800-655-2008.

REPLACEMENT PARTS

See **Page 28** for a complete replacement parts list. Use only parts supplied from the manufacturer.

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

When ordering repair parts, always give the following information:

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

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

LENNOX HEARTH PRODUCTS

1508 Elm Hill Pike, Suite 108

Nashville, TN 37210

visit us at www.LennoxHearthProducts.com

1-800-655-2008

Your Fireplace Insert's Model Number _____

Your Fireplace Insert's Serial Number _____

The Date On Which Your Fireplace Insert Was Installed _____

Your Dealer's Name _____

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

NATIONAL
FIREPLACE
INSTITUTE



CERTIFIED
www.nficertified.org

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

NATIONAL
FIREPLACE
INSTITUTE



CERTIFIED
www.nficertified.org

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

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

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HEARTH PRODUCTS