



CARE AND OPERATION INSTRUCTIONS

ENVY and ENVY CD
Direct-Vent Gas Fireplaces

DAVE LENNOX
signature
COLLECTION

P/N 506025-09 Rev. A 08/2013

This manual is one of a set of two supporting this product.
Refer to P/N 506023-17 for Care and Operation Instructions.

Ce manuel est disponible en français, simplement
en faire la demande. Numéro de la pièce 506223-75.

WHAT'S INSIDE

Table of Contents	2
Safety and Your Fireplace	2
FREE Safety Guard Offer (Protects Against Burns)	2
Important Safety Information	4
Attaching the Safety-in-Operation Warnings	5

[EN FRANÇAIS] L'information de sûreté importante	3-4
Apposition des mises en garde relatives à la sécurité d'utilisation	5
[EN ESPAÑOL] Información importante de seguridad	3-4
Colocación de advertencias de seguridad en operación	5



Intertek

Report No. G100513653 PRT-001



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.

! WARNING / AVERTISSEMENT / AVISO

- 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.

- EL VIDRIO CALIENTE CAUSARÁ QUEMADURAS.
- USTED DEBE NUNCA TOCAR EL VIDRIO CALIENTE.
- LOS NIÑOS DEBEN NUNCA TOCAR EL VIDRIO.

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.

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.

THANK YOU FOR YOUR PURCHASE. WE APPRECIATE YOUR BUSINESS!

Please carefully read and follow all instructions in this manual. Pay special attention to all warnings and safety information. Following these safety, care, and operation instructions will help ensure many years of dependable and enjoyable service from your fireplace.

Register your product online today!

To help us keep you up-to-date on product information and offers, please take a few moments to register your product online at: www.lennoxhearthproducts.com (Owner Resources > Product Registration)

• FREE SAFETY GUARD OFFER •

The Lennox® Hearth Products safety guard protects against severe burns and injuries by preventing direct contact with the front glass surface of your fireplace.

To receive your FREE SAFETY GUARD:
Visit www.lennoxhearthproducts.com
(Owner Resources > Safety First).

NOTE: Safety guards may not be available for some older models no longer in production.

TABLE OF CONTENTS

Introduction	6
Installation, Service, and Maintenance	6
Operation of and Care for Your Appliance	8
Maintenance	11
Warranty	15
Replacement Parts	15
Product Reference Information	15
Wiring Diagram	15
Accessory Components	16
Lighting Instructions	17
Maintenance Schedule	19
Troubleshooting	20
Replacement Parts	21

**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.

Safety and Your Fireplace

All parts of your Lennox Hearth Products fireplace get **EXTREMELY HOT!**

- ☐ To prevent severe burns and injuries, do not operate the fireplace without the screen safety guard installed. Always reinstall the safety guard after service or cleaning, prior to operation.

- ☐ Follow the safety instructions below and be sure everyone in your household understands this burn hazard:

- **The surfaces on your fireplace get EXTREMELY HOT!**

- **The glass on the front of the fireplace reaches EXTREMELY HIGH temperatures and can cause severe burns if touched.**



- **Keep children away from an operating fireplace. Closely supervise children in any room where a fireplace is operating to prevent contact with glass.**

- **Keep clothing, furniture, gasoline, and other flammable liquids away from the fireplace.**



- **Even after the gas is turned off, fireplace surfaces remain extremely hot.**

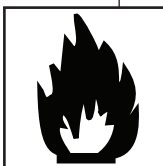
- ☐ Be sure to attach the enclosed **Safety-in-Operation Warnings** where you turn on your fireplace, to help remind everyone of the dangers associated with high temperatures (see **page 5**).

- ☐ Read **Important Safety Information** on **page 4**.

La sécurité et votre foyer

**Toutes les parties de votre foyer
Lennox Hearth Products deviennent
EXTRÊMEMENT CHAUDES !**

- ☐ Pour éviter les brûlures et les blessures graves, ne pas faire fonctionner le foyer sans le protecteur d'écran installé. Remettez toujours la garde de sécurité après le service ou le nettoyage, avant l'opération.
- ☐ Suivez les instructions de sécurité ci-dessous et veillez à ce que tous les membres de votre famille soient conscients du danger de brûlure encouru :
 - **Les surfaces de votre foyer deviennent EXTRÊMEMENT CHAUDES !**
 - **La vitre située à l'avant du foyer atteint des températures EXTRÊMEMENT ÉLEVÉES et peut causer de graves blessures en cas de contact.**
 - **Tenez les enfants à l'écart du foyer lorsqu'il fonctionne. Surveillez attentivement les enfants dans les pièces où un foyer est utilisé afin d'éviter qu'ils ne soient en contact avec la vitre.**
 - **Tenez tous les vêtements, les meubles, l'essence et tout autre liquide inflammable à l'écart du foyer.**
 - **Même après fermeture du gaz, les surfaces du foyer restent extrêmement chaudes.**
- ☐ Veillez à coller les **Étiquettes de mise en garde relatives à la sécurité d'utilisation** à l'endroit où vous utilisez le foyer, pour rappeler à tous les utilisateurs les dangers liés aux températures élevées (**voir page 5**).
- ☐ Lisez la section **Informations importantes relatives à la sécurité, page 4.**



Seguridad y su chimenea

**¡Todas las partes de la chimenea
Lennox Hearth Products se ponen
MUY CALIENTES!**

- ☐ Para evitar quemaduras y lesiones graves, no opere la chimenea sin el resguardo de pantalla instalado. Siempre vuelva a instalar el dispositivo de seguridad después de servicio o limpieza, antes de la operación.
- ☐ Siga las instrucciones de seguridad a continuación y asegúrese de que todos en su hogar sepan acerca de este peligro de quemadura:
 - **¡Las superficies de la chimenea se ponen MUY CALIENTES!**
 - **El vidrio delante de la chimenea alcanza temperaturas EXTREMADAMENTE ALTAS y puede causar quemaduras graves si se toca.**
 - **Mantenga a los niños alejados de la chimenea en funcionamiento. Supervise en forma cercana a los niños en cualquier cuarto donde haya una chimenea funcionando para impedir el contacto con el vidrio.**
 - **Mantenga la ropa, mobiliario, gasolina y otros líquidos inflamables alejados de la chimenea.**
 - **Aún después de haber apagado el gas, las superficies de la chimenea permanecen extremadamente calientes.**
- ☐ Asegúrese de colocar las **Etiquetas de advertencia de seguridad de operación** en el lugar donde enciende la chimenea, para que todos recuerden los peligros asociados con las altas temperaturas (**ver la página 5**).
- ☐ Lea la **Información importante** de seguridad en la **página 4.**

IMPORTANT SAFETY INFORMATION**⚠ WARNING**

Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by licensed or qualified service personnel.

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.

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

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

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

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.

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

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, et cetera. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean (**Maintenance on Page 11**).

L'information de sûreté importante**⚠ AVERTISSEMENT**

Ne pas utiliser l'appareil si le panneau frontal en verre n'est pas en place, est craqué ou brisé. Confiez le remplacement du panneau à un technicien agréé

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.

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.

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.

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

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.

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

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 (**Page 11**).

Información importante de seguridad**⚠ ADVERTENCIA**

No opere el artefacto con el frente de vidrio quitado, agrietado o roto. Un técnico de servicio licenciado o capacitado debe reemplazar el vidrio.

No use este artefacto si alguna de sus partes ha estado bajo agua. Llame de inmediato a un técnico de servicio calificado para que inspeccione el artefacto y reemplace cualquier parte del sistema de control y cualquier control de gas que haya estado bajo agua.

Debido a las altas temperaturas, el artefacto debe situarse fuera de las áreas de tráfico y lejos del mobiliario y cortinas.

Se debe alertar a los niños y adultos sobre los peligros de las altas temperaturas en la superficie y que se mantengan alejados para evitar quemaduras o ignición de la ropa.

No debe colocarse ropa u otros materiales inflamables sobre y cerca del artefacto.

Se debe supervisar de cerca a los niños cuando estén en el mismo cuarto que el artefacto. Los niños pequeños, los jóvenes y otras personas pueden ser susceptibles a quemaduras por contacto accidental. Se recomienda instalar una barrera física si hay personas en riesgo en la casa. Para restringir el acceso a una chimenea o estufa, instale una puerta de seguridad ajustable para mantener a los niños pequeños, jóvenes y otras personas en riesgo fuera del cuarto y lejos de las superficies calientes.

Cualquier malla o resguardo de seguridad quitado para dar servicio a un artefacto, debe reinstalarse antes de operar el artefacto.

Una persona de servicio competente debe realizar la instalación y reparación. Una persona de servicio profesional debe inspeccionar el artefacto antes de usar al menos una vez por año. Se puede requerir limpieza más frecuente debido a la pelusa excesiva del alfombrado, del material de cobijas, etc. Es imprescindible mantener limpios los compartimientos de control, los quemadores y los pasajes de circulación del aire del artefacto (**Página 11**).

ATTACH THE SAFETY-IN-OPERATION WARNINGS

NOTE: It is the installer's 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 fireplace be affixed to the operation and control points of the fireplace. A safety instruction label must be affixed to the wall switch plate where the fireplace is turned on and off (**Figure A**) and on the remote control handheld transmitter (**Figure B**). To properly complete the installation of this fireplace, locate the multi-lingual adhesive labels provided with the Care and Operation Instructions and proceed as follows:

1. Locate the wall switch that controls the fireplace (verify the switch operates the fireplace by turning it on and off). Clean the wall switch plate thoroughly to remove any dust and oils. Affix the label to the surface of the plate of the wall switch that controls the fireplace (**Figure A**). 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



Figure A

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 foyer. Une étiquette de sécurité doit être collée sur la plaque du récepteur mural contrôlant l'allumage du foyer (**Figure A**) et sur le boîtier de la télécommande (**Figure B**). Pour achever l'installation correcte de ce foyer, procédez comme suit avec les étiquettes adhésives en langues étrangères fournies avec les instructions d'utilisation et d'entretien :

1. Repérez le récepteur mural qui contrôle le foyer (vérifiez que l'interrupteur contrôle la fonctionnement du foyer en le faisant basculer de Marche à Arrêt, et vice-versa). Nettoyez soigneusement la plaque du récepteur mural pour éliminer la poussière et les traces de graisse ou d'huile. Collez l'étiquette sur la surface de la plaque du récepteur mural qui contrôle le foyer (**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

Remarqué : 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



Figure B

Colocación de advertencias de seguridad en operación

Se requiere que el juego de etiquetas de instrucciones de seguridad que se incluyeron con la chimenea se coloque en los puntos de operación y control de la misma. Se debe colocar una etiqueta de instrucciones de seguridad en la placa del interruptor de pared del receptor desde el cual se enciende y se apaga la chimenea (**Figure A**) y en el transmisor de control remoto (**Figure B**). Para completar correctamente la instalación de esta chimenea, encuentre las etiquetas adhesivas multilingües incluidas con las instrucciones de cuidado y operación y haga lo siguiente:

1. Identifique el receptor de pared que controla la chimenea (verifique que el interruptor opera la chimenea encendiéndola y apagándola). Limpie bien la placa del receptor de pared para quitar el polvo y aceite. Pegue la etiqueta en la superficie de la placa del receptor de pared que controla la chimenea (**Figure 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 límpielo bien para quitar el polvo y aceite. Pegue la etiqueta en la superficie del transmisor (**Figure 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.

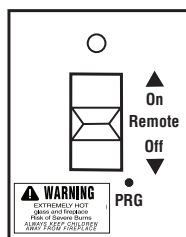
Juego de etiquetas de repuesto - N° de cat. H8024

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



INTRODUCTION

The fireplace models covered in this manual are direct-vent sealed combustion gas fireplace heaters designed for residential application. These direct-vent appliances operate with the combustion chamber completely isolated from the indoor environment.

All air for combustion is brought in from the outside and exhaust gases are vented through the same direct-vent, co-axial (intake/exhaust) vent system.

Electronic appliances are designed to operate on natural or propane gas. An electronic intermittent pilot ignition system provides safe, efficient operation. External electrical power is required to operate these units. In the event of a power outage, four (4) AA batteries provide backup power for appliance operation (excluding blower).

These appliances comply with National Safety Standards and are tested and listed by ETL/Intertek. (Report No. G100513653 PRT-001) to ANSI Z21.88 (in Canada, CSA-2.33), and CAN/CGA-2.17-M91 in both USA and Canada, as vented gas fireplace heaters. These appliances are listed by ETL/Intertek for installation in bedrooms and manufactured homes.

The installation must conform to local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54—latest edition (In Canada, the current CAN/CSA-B149.1 installation code). The appliance, when installed, must be electrically grounded and wired in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70—latest edition, or the Canadian Electrical Code, CSA C22.1—latest edition.

Provide adequate clearances around air openings and adequate accessibility clearance for service and proper operation. Never obstruct the front or back 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. 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.

The vent termination is hot while in operation and for a period of time following the use of the fireplace. To prevent contact with hot surfaces, we recommend the use of a termination guard. See Page 20 for ordering information.

These fireplaces 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.

INSTALLATION, SERVICE, AND MAINTENANCE

NOTE: 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.

Only trim kit(s) supplied by the manufacturer shall be used in the installation of this appliance. Draft relief openings must not be covered or blocked. These appliances must not be connected to a chimney or flue serving a separate solid fuel burning appliance.

Any change to this appliance and/or its operating controls is dangerous. Improper installation or use of this appliance can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.

Early signs of carbon monoxide poisoning are similar to the flu with headaches, dizziness and/or nausea. If you have these signs, obtain fresh air immediately. Turn off the gas supply to the appliance and have it serviced by a qualified professional, as it may not be operating correctly. Some people are more affected by carbon monoxide than others, including pregnant women, people with heart or lung disease or anemia, those under the influence of alcohol, and those at high altitudes.

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

WARRANTY

Failure to comply with the installation and operating instructions provided will result in an improperly installed and operating appliance, voiding its warranty.

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.

OPERATION



WARNING

Do not operate the fireplace if:

- **The glass front is removed, cracked, or broken**
- **The surround trim assembly and screen are not installed**

These fireplaces 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.

These appliances are designed to operate on natural gas or propane gas only. The use of other fuels or combinations of fuels will degrade the performance of this system and may be dangerous.

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

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 that has been under water.

BTU Input

Electronic models come standard with a remotely-modulated gas valve. Flame appearance and heat output cannot be controlled at the gas valve. The BTU Input for these appliances is shown in **Table 1**.

Table 1: Input Rate, Gas Valves

Models	Input Rate (BTU/HR)	
	Natural Gas	Propane Gas
NV35IN	35,500 high 15,500 low	35,000 high 18,000 low
NVCD35IN	31,000 high 16,000 low	28,000 high 15,000 low
NV40IN	41,500 high 15,500 low	37,000 high 14,500 low
NVCD40IN	40,000 high 21,000 low	32,000 high 18,500 low
NV45IN	47,000 high 18,000 low	45,000 high 18,000 low
NVCD45IN	47,000 high 24,000 low	40,000 high 22,000 low

Gas Pressure

Table 2 and **Table 3** show the appliance inlet and manifold gas pressure requirements.

Table 2: Inlet Gas Supply Pressure

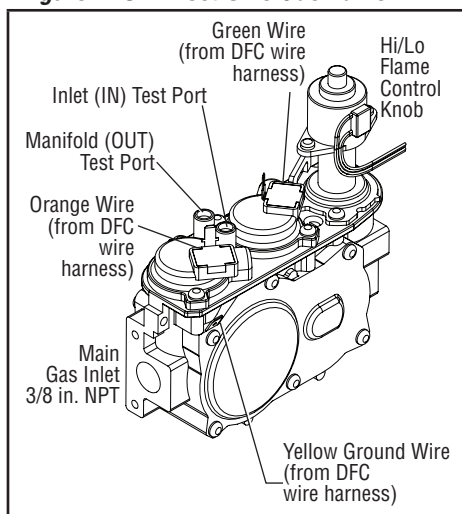
Fuel	Minimum	Maximum
Natural Gas	4.5 in. WC (1.12 kPa)	10.5 in. WC (2.61 kPa)
Propane	11.0 in. WC (2.74 kPa)	13.0 in. WC (3.23 kPa)

Table 3: Manifold Gas Supply Pressure

Fuel	Low	High
Natural Gas	1.6 in. WC (0.40 kPa)	3.5 in. WC (0.87 kPa)
Propane	6.3 in. WC (1.57 kPa)	10.0 in. WC (2.49 kPa)

Test gauge connections are provided on the front of the electronic gas control valve (identified IN for the inlet and OUT for the manifold side). The control valves have a 3/8 in. (10 mm) NPT thread inlet and outlet side of the valve (**Figure 1**).

Figure 1: SIT Electronic Gas Valve



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 psi (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 psi (3.5 kPa).

Orifice Sizes—Sea Level to High Altitude

These appliances are tested and approved for installation at elevations of 0–4500 ft (0–1372 m) above sea level using the standard burner orifice sizes (marked with an “*” in **Table 4**).

For elevations above 4500 ft, contact your gas supplier or qualified service technician.

Deration

At higher elevations, the amount of BTU fuel value delivered must be reduced by either:

- Using gas that has been derated by the gas company.
- Changing the burner orifice to a smaller size as regulated by the local authorities having jurisdiction and by the (USA) National Fuel Gas Code NFPA 54/ANSI Z223.1—latest edition or, in Canada, the CAN/CSA-B149.1 codes—latest edition.

NOTE: Flame breadth, height and width will diminish 4% for every 1,000 feet of altitude.

Table 4: Burner Orifice Sizes, Elevation 0–4500 ft (0–1372 m)

Model	Natural Gas drill size	Propane drill size
NV35IN	Front #49 (0.073 in.)*	Front #57 (0.043 in.)*
	Back #43 (0.089 in.)*	Back #54 (0.055 in.)*
NVCD35IN	Front #42 (0.0935 in.)*	Front #55 (0.052 in.)*
	Back #55 (0.052 in.)*	Back #60 (0.040 in.)*
NV40IN	Front #41 (0.096 in.)*	Front #55 (0.052 in.)*
	Back #43 (0.089 in.)*	Back #55 (0.052 in.)*
NVCD40IN	Front #35 (0.11 in.)*	Front #53 (0.0595 in.)*
	Back #52 (0.0635 in.)*	Back #65 (0.035 in.)*
NV45IN	Front #40 (0.098 in.)*	Front #54 (0.055 in.)*
	Back #40 (0.098 in.)*	Back #54 (0.055 in.)*
NVCD45IN	Front #32 (0.116 in.)*	Front #51 (0.067 in.)*
	Back #49 (0.073 in.)*	Back #62 (0.038 in.)*

* Standard size installed at factory
• Catalog number

Burn-in Period

During the first few times this appliance is operated, there will be some odor due to the curing of the paint and burning off of lubricants used in the manufacturing process. Depending on usage, the burn-in period may take a few hours or a few days.

NOTE: Ventilate the house during the curing process. The resulting odor and haze may set off a smoke detector. Do not operate the blower during the burn-in period.

A white film may develop on the glass front during the first few fires as part of the curing process. The glass should be kept clean during the first two weeks of use to prevent the film from baking on—making it very difficult to remove (**Cleaning the glass door on Page 11**)

OPERATION OF AND CARE FOR YOUR APPLIANCE

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.

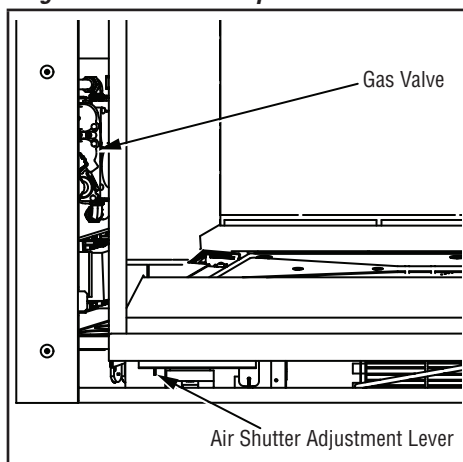
WARNING

Reinstall any barrier removed before operating the fireplace.

Gas Controls/Control Compartment Access

The gas control valve can be found on the bottom, left side of the firebox, behind the surround trim assembly (**Figure 2**).

Figure 2: Control Compartment

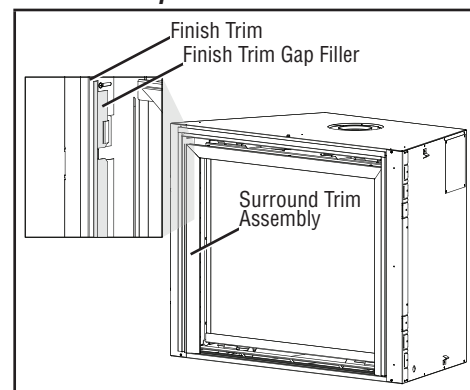


To perform maintenance or access the fireplace controls, remove the surround trim assembly.

Removing the surround trim assembly

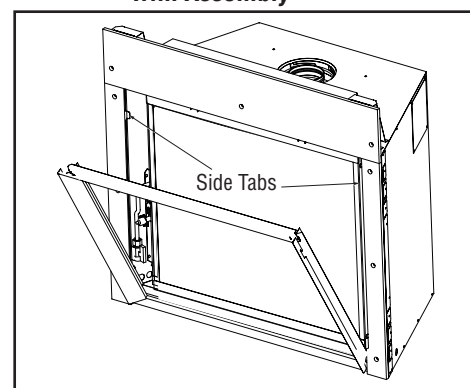
1. Remove the top louver.
2. Remove the left finish trim gap filler from between the finish trim and the surround trim assembly (**Figure 3**). Remove the right finish trim gap filler. Retain the finish trim gap fillers for later reinstallation.

Figure 3: Removing the Finish Trim Gap Fillers



3. Detach the surround trim assembly at the top of the fireplace and lift it 1 in. to disengage the side tabs (**Figure 4**).

Figure 4: Removing the Surround Trim Assembly



4. Pull the surround trim assembly away from the fireplace exposing the front glass door.
5. Place the surround trim assembly in a secure location to prevent damage to it until it is reinstalled.

Remote Control System

! 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.

The remote and receiver allow you to command the functions of your fireplace from the comfort of your chair and are configured to control the ON/OFF primary burner operation, six (6) flame levels, and provide ON/OFF and smart thermostatic control.

The system controls fan speed through six (6) levels and has a constantly powered 110V/60Hz power outlet.

The receiver is powered by four (4) AA batteries. It accepts commands via radio frequency from the transmitter and does not require line-of-sight operation. The wall switch can be set to one of three (3) positions:

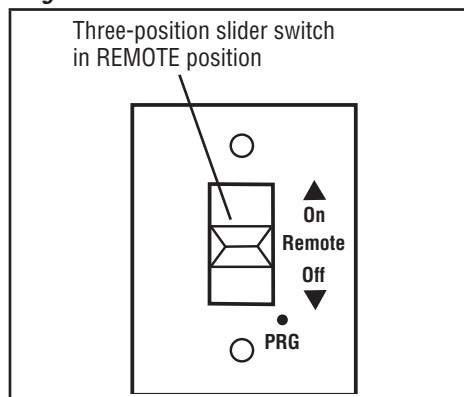
- ON (Manual Override),
- REMOTE (Remote Control), or
- OFF.

Initializing the remote control system for the first time

1. Install the 4 AA batteries into the wall switch battery bay (behind the switch plate).
2. Place the three-position slider switch in the REMOTE position (**Figure 5**).

NOTE: Check the polarity (+/-) of the batteries and insert them into the battery bay as indicated on the battery cover.

Figure 5: Wall Switch

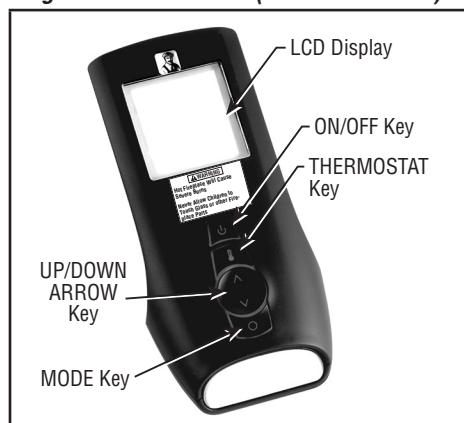


3. Insert the end of a paper clip, or other similar object, into the hole marked PRG on the wall switch front cover. The receiver will beep three (3) times to indicate that it is ready to synchronize with a transmitter.
4. Install the three (3) AAA batteries in the transmitter battery bay, located on the base of the transmitter.
5. Push the ON button. The receiver will beep four (4) times to indicate that the transmitter's command has been accepted and sets it to the particular code of that transmitter. The system is now initialized.

Temperature indicator display

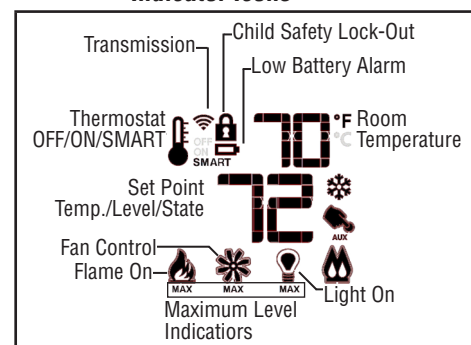
1. With the system in the OFF position, press the THERMOSTAT key and the MODE key at the same time (**Figure 6**).

Figure 6: Transmitter (Remote Control)



2. Look at the LCD screen on the transmitter to verify that a C or F is visible to the right of the room temperature display (**Figure 7**).

Figure 7: Remote Control Display—Indicator Icons



Turn ON the appliance

1. Press the ON/OFF key on the transmitter.
2. The transmitter display will show all active icons on the screen. At the same time, the receiver will connect the thermopile to the gas valve millivolt coil and the appliance main burner will turn on. A single beep from the receiver will confirm reception of the command.

Turn OFF the appliance

1. Press the ON/OFF key on the transmitter.
2. The transmitter LCD display will only show the room temperature and icon. The receiver will disconnect the gas valve and the appliance burner will turn OFF. A single beep from the receiver will confirm reception of the command.

Remote flame control

The system has six (6) flame levels. With the system ON, and the flame level at the maximum in the appliance, each press of the DOWN ARROW key 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. A single beep will confirm reception of the command.

**Room thermostat—
transmitter operation**

The remote control can operate as a room thermostat.

1. Press the THERMOSTAT key.
2. The LCD display on the transmitter will change to show that the room temperature is ON and the set temperature will be displayed.
3. 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 transmitter.

**Smart thermostat—
transmitter operation**

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

1. Press the THERMOSTAT key until the word SMART appears to the right of the temperature bulb graphic.
2. To adjust the set temperature, press the UP or DOWN ARROW keys until the desired temperature is displayed on the LCD screen of the transmitter.

Fan speed control

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

1. Press the MODE key to index to the fan control icon.
2. Press the UP/DOWN ARROW keys to turn ON, OFF, or adjust the fan speed. A single beep will confirm reception of the command.

NOTE: The fan can be controlled only by the remote. Turning the fireplace OFF with the wall-mounted, three-position slider switch will not turn OFF the fan. To turn OFF the fan, use the remote instead of or prior to shutting OFF the fireplace at the wall.

Fan 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.

1. Press the MODE and UP keys at the same time.
2. To deactivate this function, press the MODE and UP keys at the same time.

Intermittent/standing pilot mode

This fireplace can be switched from intermittent ignition to a standing pilot simply by toggling the switch located in the lower control compartment (**Figure 2**). To save energy, switch to intermittent mode. To have a standing pilot that will help startup in the winter 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.

**Manual bypass of the remote
control system**

If the batteries of the wall switch or transmitter are low or depleted, the appliance can be turned on manually.

1. Set the three-position slider switch to the ON position.
2. This will bypass the remote control feature of the system and the appliance main burner will come on if the gas valve is in the ON position.

Low Battery Power Detection

The life span of the wall switch batteries depends on several factors:

- the quality of the batteries used,
- the number of appliance ignitions,
- the number of changes to the thermostat set point,
- etc.

If the wall switch batteries are low, the receiver will emit two beeps when it receives an ON/OFF command from the transmitter. This is an alert for a low battery condition. When the batteries are replaced, the receiver will emit a the beep when the ON/OFF key is pressed (**Initializing the remote control system for the first time**).

MAINTENANCE

Refer to the **Maintenance Schedule** on **Page 19** for maintenance tasks, procedures, frequency, and by whom the tasks should be performed. Always verify proper operation of the appliance after 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.

Always turn OFF gas before cleaning. Before relighting, refer to the lighting instructions in this manual. Instructions are also found on a pull-out panel located in the control compartment.

Inspecting the venting system

The appliance and venting system should be thoroughly inspected before initial use and at least annually by a qualified service technician. Inspection should include ensuring that exhaust or intake passages are unobstructed and vent components are properly assembled and not damaged. Homeowner must contact a qualified service technician at once if any abnormal condition is observed.

If the venting system is disassembled for any reason, a qualified service technician should follow vent installation instructions for proper reassembly and proper sealing of the venting system components. However, more frequent periodic inspections and cleanings should be performed by the homeowner.

Inspecting the fireplace lamp

Use the remote control to confirm the fireplace lamp is operational. If the lightbulb is burned out, replace the lightbulb as detailed on **Page 14**.

Inspecting the burner flame appearance

Ensure that the burner flame resembles the flame shown in **Figure 18** and **Figure 19**. The Homeowner must contact a qualified service technician at once if any abnormal condition is observed.

Cleaning the glass door

CAUTION

Do not use abrasive cleaners on glass. Never clean the glass when it is hot.

Clean the glass door after the first two weeks of operation (after the **Burn-in Period**), and then only when necessary and when the fireplace is cool. Wipe the surface with a clean, dampened, soft cloth. Follow with a dry, soft towel as desired. Take care not to scratch the glass surface.

Periodically, remove any build-up caused from the following:

- During start-up, it is normal for condensation to form on the inside of the glass (this condensation and fog will usually disappear in a few minutes). The moisture can cause lint, dust and other airborne particles to cling to the glass surface.
- Initial curing of the high temperature paint and burning off of lubricants used in the manufacturing process may result in a film on the glass.
- A white coating may form on the glass as a result of impurities and minerals in the fuel.

Clean the glass two or three times each heating season, depending on the circumstances present. The following cleaning solutions are approved for use:

- Non-ammonia based glass cleaner
- Gas fireplace/stove glass cleaner

Inspecting the glass gasket

Visually inspect the gasket on the backside of the glass door. The gasket surface must be clean, free of irregularities, and seated firmly.

Cleaning the control compartment

Keep the control compartment clean by vacuuming or brushing it out at least twice a year. More frequent cleaning may be required due to excessive lint buildup caused by carpeting, bedding materials, etc.. It is important to keep the control compartment, burner, and air circulation passageways clean.

Touching up paint in small areas

The finish of the appliance is a high-quality powdercoat. Only use a factory-supplied powdercoat paint kit for any touch-ups. Paint is available at your local Lennox Hearth Products dealer. Never attempt to paint a hot fireplace.

Do not attempt to repaint the appliance until the finish is completely cured (**Burn-in Period on Page 7**). If the surface becomes stained or marred, it may be lightly sanded and touched up with spray paint.

Cleaning the logs and burner

CAUTION

The fiber logs become very fragile after curing.

Carefully remove the logs. Vacuum out any foreign matter on the burner (e.g., lint, carbon, etc.). Ensure the burner ports are free of debris. Remove any carbon deposits from the underside of the logs using a vacuum cleaner, or a soft bristle brush (e.g., paint brush).

NOTE: Improper positioning of logs can create carbon build-up and will alter the performance of the appliance.

Replacing the logs

If the logs become damaged and need replacement, use only the proper replacement logs from manufacturer (**Page 15**).

Reinstalling the logs

Carefully follow the placement instructions (**Page 12**). All logs should fit onto the corresponding pins and/or log stoppers. This will ensure a proper flame and safe combustion.

Inspecting the wiring

Refer to the wiring diagram (**Figure 20**).

CAUTION

When servicing controls, label all wires prior to disconnection. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

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.

Inspect and clean all wire connections. Ensure that there is no wire melting or damage.

The inspection should include:

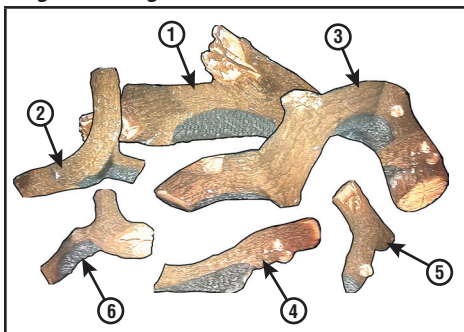
- Terminals at the Valve
- OFF/ON Switch
- Remote Control, or Remote Wall Switch Kit

Installing the logs, decorative volcanic stone, and glowing embers

NOTE: Turn off all gas and electricity to the appliance before installing volcanic stone, embers, and logs.

NOTE: The log set and fire are artistically arranged to provide an asymmetrical fire. The fire does not burn in the left rear quarter of the log set.

Figure 8: Log Set



NOTE: **Figure 8** is representative of all fireplace models. Logs 5 and 6 may vary in appearance from those shown above.

Table 5: Log Set

Log Number	Description
1	Rear Log
2	Bottom Left Log
3	Bottom Right Log
4	Front Log
5	Top Right Log
6	Top Left Log

Catalog number for the entire set:

35 in. H8707

40 in. H8708

45 in. H8824

- Align the two holes in the bottom of Log 1 over the two tabs at the rear of the burner (**Figure 9**).

Figure 9: Placing Logs 1 and 2



- Hold Log 1 in position while placing Log 2 on the burner and resting it against the alignment notch in Log 1 (**Figure 9**).
- Place Log 3 in position with the base aligned in the burner surface (**Figure 10**).

Figure 10: Placing Log 3



- Insert the left end of Log 4 under Log 3 and position the right end of Log 4 in the notch on the top, right end of Log 3 (**Figure 10**).

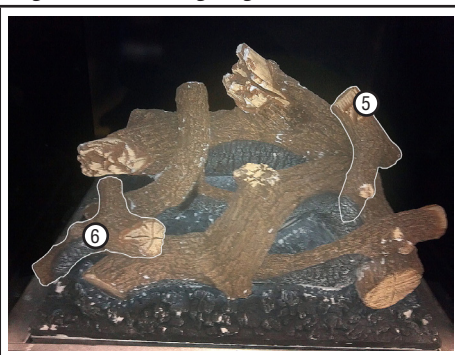
Figure 11: Placing Log 4



- Ensure all logs are properly positioned on the surface of the burner and interlocked with each other (**Figure 11**).

- Place Log 5 in position in the notches on the upper right portions of Logs 1 and 3 (**Figure 12**).

Figure 12: Placing Logs 5 and 6



- Place Log 6 in position in the notches near the left ends of Logs 2 and 3 (**Figure 12**).
- Install the volcanic stone in front of and on the sides of the log set. Cover all of the exposed metal floor.

Installing and removing the 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 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 fireplace is in use.

! WARNING

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

! AVERTISSEMENT

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

Only doors certified with the appliance shall be used.

Seules des portes certifiées pour cet appareil doivent être utilisées.

CAUTION

DO NOT abuse glass door by striking or slamming shut.

NOTE: When installing the glass door, ensure the spacing on both sides is even.

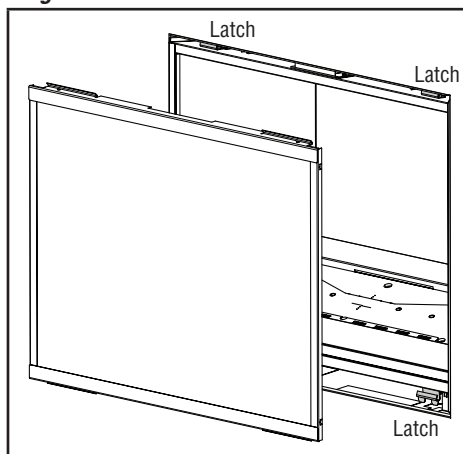
Installing the glass door

1. Retrieve the glass door. Visually inspect the gasket on the backside.

NOTE: The gasket surface must be clean, free of irregularities, and seated firmly. Ensure it is properly located. Make sure the bead is not rolled into the channel at the top of the door, but remains flat against the top of the glass.

2. Locate the four (4) spring-loaded latches; two above and two below the fireplace opening (**Figure 13**).

Figure 13: Glass Door

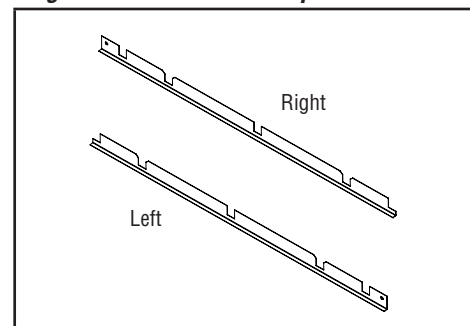


3. Carefully grip the door at the top and bottom, and align it with the fireplace opening. Lightly press against the door, to hold it in position.
4. Secure the two upper latches by pulling each handle down and pressing in to hook it to the glass door.
5. Secure the two lower latches.

Installing the Surround Trim Assembly

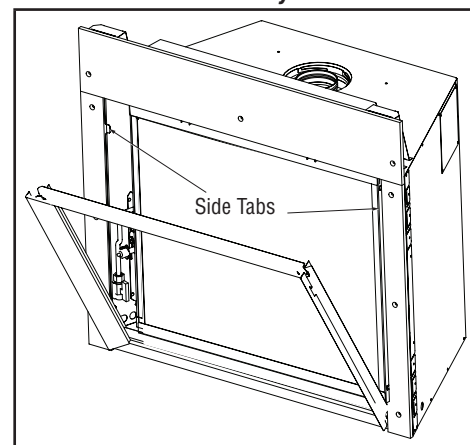
1. Identify the left and right side finish trim gap fillers (**Figure 14**).

Figure 14: Finish Trim Gap Fillers



2. Install the surround trim assembly by lowering it onto the appliance and pressing in to secure it (**Figure 15**).

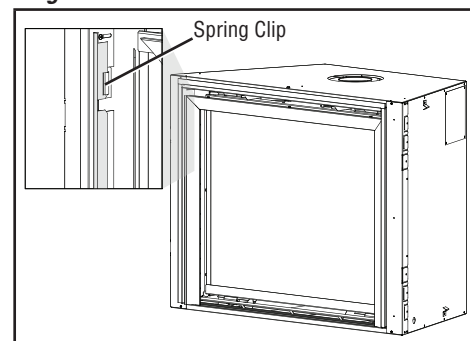
Figure 15: Installing the Surround Trim Assembly



3. Slide the left finish trim gap filler into the left gap between the finish trim and the surround trim assembly (**Figure 16**).

NOTE: Ensure the finish trim gap filler slides into the spring clip, as shown.

Figure 16: Finished Installation



4. Slide the right finish trim gap filler into the right gap between the finish trim and the surround trim assembly (**Figure 16**).

NOTE: Ensure the finish trim gap filler slides into the spring clip, as shown.

Removing the glass door

1. Remove the top louver.
2. Remove the left and right side finish trim gap fillers (**Figure 16**).
3. Remove the surround trim assembly by detaching it at the top of the fireplace and lifting it 1 in. to disengage the side tabs, then pulling it away from the fireplace exposing the front glass door (**Figure 15**).
4. Locate the four (4) spring-loaded latches; two above and two below the enclosure (**Figure 13**).
5. Release the lower latches, by pulling each handle out and down to unhook it from the glass door. Lightly press against the door, to hold it in position, while releasing the two upper latches.
6. Carefully grip the door at the top and bottom, and remove it from the fireplace. Place the door in a secure location where it will not be damaged.

Replacing the fireplace lamp lightbulb

1. Remove the fireplace glass door.
2. Locate the lamp inside the top, front of the firebox.
3. Using a 5/16 in. nut driver, remove the two (2) outside screws securing the lamp glass cover bracket. Carefully, remove the metal bracket, lamp glass cover, and gasket. Retain all items with the screws in a secure location for later reinstallation.
4. Unscrew the lightbulb cap and retain in a secure location for later reinstallation.
5. Unscrew the lightbulb and discard.
6. Install the new lightbulb.
NOTE: Use only 25 W, 572 °F (300 °C) rated oven lightbulbs.
7. Reinstall the lightbulb cap.
8. Carefully, position the gasket, lamp glass cover, and metal bracket into place and secure using the two (2) screws previously removed.
9. Reinstall the glass door.

Adjusting the Burner to Ensure Proper Flame Appearance

WARNING

- Air shutter adjustment should only be performed by a qualified professional service technician.
- Ensure front glass panel is in place and sealed during adjustment.

CAUTION

- Soot will be produced if the air shutter is closed too much. Any damage due to sooting, resulting from improperly setting the air shutter, is not covered under the warranty.
- The air shutter door and nearby appliance surfaces are hot. Exercise caution to avoid injury while adjusting flame appearance.

Flame Appearance and Sooting

The flame should be blue at the base, and yellow-orange in the body of the flame.

When the appliance is first lit, the entire flame may be blue and will gradually turn yellow-orange during the first 15 minutes of operation. If the flame remains blue, or if the flame is orange with evidence of sooting (black tip), the air shutter opening may need to be adjusted.

If the air shutter opening is closed too far, sooting may develop. Sooting is indicated by black puffs developing at the tips of very long orange flames. Sooting results in black deposits forming on the logs, appliance inside surfaces, and on exterior surfaces adjacent to the vent termination.

Sooting is caused by incomplete combustion in the flames and lack of combustion air entering the air shutter opening. To achieve a warm yellow-orange flame with an orange body that does not soot, the shutter opening must be adjusted between these two extremes.

Air Shutter Adjustment Guidelines

- If there is smoke or soot present, first check the log set positioning to ensure that the flames are not impinging on any of the logs. If the log set is properly positioned and a sooting condition still exists, then the air shutter opening should be increased.
- The more offsets in the vent system, the larger the air shutter opening will need to be.
- An appliance operated with the air shutter opened too far, may have flames that appear blue and transparent. These weak, blue and transparent flames are termed anemic.
- Propane models may exhibit flames which candle or appear stringy. If this is present and persists, adjust the air shutter to a more closed position, then operate the appliance for a few more minutes to ensure that the flame normalizes and the flames do not appear sooty.

The following chart is provided to aid you in achieving the correct air shutter adjustment for your installation.

DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

Table 6: Air Shutter Adjustment Guidelines

Amount of Primary Air	Flame Color	Air Shutter Adjustment
If air shutter is closed too far →	Flame will be orange →	Air shutter gap should be increased
If air shutter is open too far →	Flame will be blue →	Air shutter gap should be decreased

1. Remove the top louver and the surround trim assembly.
2. Locate the air shutter adjustment rod in the lower control compartment (**Figure 17**), and adjust it to the standard setting.

NOTE: Pull the rod out to close, and push the rod in to open the air shutter.

3. Light appliance (follow lighting procedure on lighting label in control compartment or the Care and Operations Manual).
4. Allow the burner to operate for at least 15 minutes while observing the flame continuously to ensure that the proper flame appearance has been achieved (**Figure 18** and **Figure 19**). If the following conditions are present, adjust accordingly. If flame appears weak or sooty, adjust the air shutter, incrementally, to a more open position until the proper flame appearance is achieved. If flame remains blue, adjust the air shutter, incrementally, to a more closed position until the proper flame appearance is achieved.
5. When satisfied that the burner flame appearance is normal, reinstall the lower control compartment door then proceed to finish the installation.

Figure 17: Air Shutter Adjustment Rod

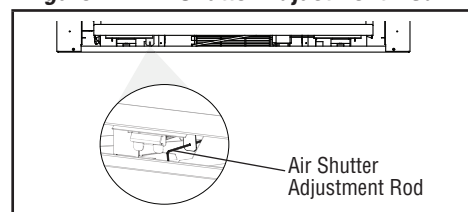


Figure 18: Traditional Fireplaces Flame Appearance



**Figure 19: Contemporary Fireplaces
Flame Appearance**



**Table 7: Main Burner Shutter Opening—
Factory Setting**

Models	Natural Gas	Propane
NV35	3/16 in. (4.8 mm)	7/16 in. (11.1 mm)
NV40	3/16 in. (4.8 mm)	3/8 in. (9.5 mm)
NV45	3/16 in. (4.8 mm)	3/8 in. (9.5 mm)

WARRANTY

This gas appliance is covered by a limited twenty (20) year warranty. A copy of the warranty accompanies this manual. Please read the warranty to be familiar with its coverage. Retain this manual for future reference.

REPLACEMENT PARTS

A complete parts list is found at the end of this manual. Use only parts supplied by the manufacturer. With proper care and maintenance, this appliance will provide many years of enjoyment. If you experience any problems, first refer to the troubleshooting guide in this manual. If the problem persists, contact your Lennox Hearth Products dealer or distributor to order any replacement parts. Parts will be shipped at prevailing prices at the time of the order.

When ordering repair parts, always provide the following information:

- The model number of the appliance.
- The serial number of the appliance.
- The part number.
- The description of the part.
- The quantity required.
- 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 or distributor.

PRODUCT REFERENCE INFORMATION

Record the following important information about the fireplace:

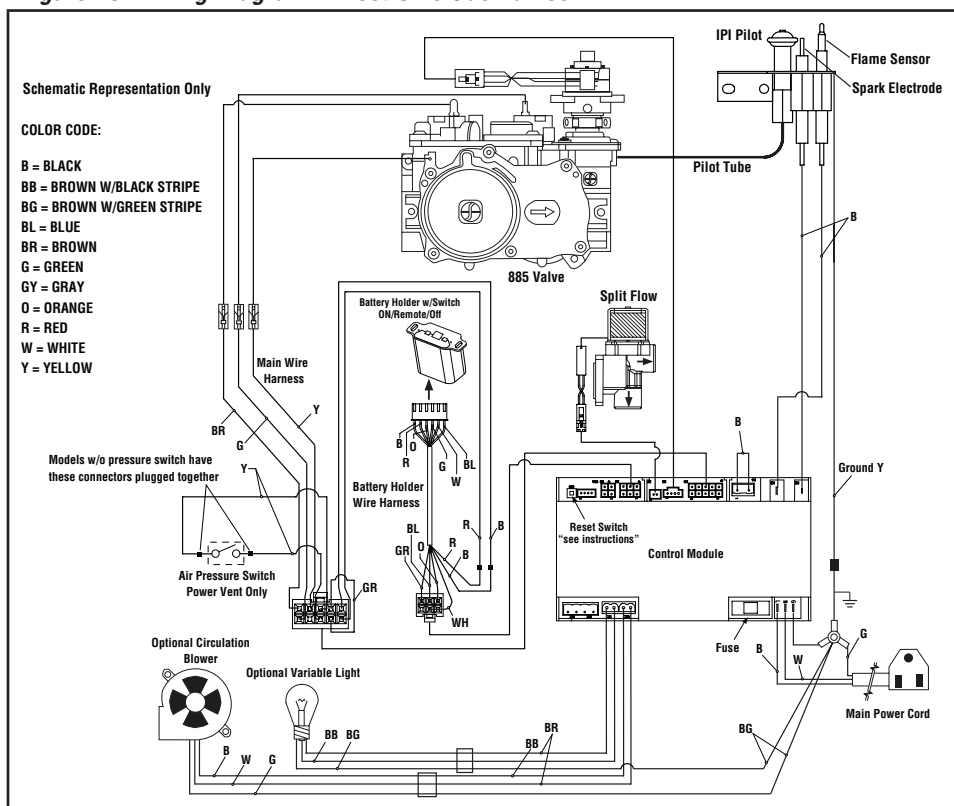
Fireplace model number	
Fireplace serial number	
Date on which fireplace was installed	
Type of gas fireplace uses	
Dealer name	

Call Lennox Hearth Products for the phone number of your nearest Lennox Hearth Products dealer who will answer your questions or address your concerns.

WIRING DIAGRAM

The wiring diagram is provided for reference purposes only. This information is also provided on schematics attached directly to the appliance on a pullout panel located within the control compartment.

Figure 20: Wiring Diagram—Electronic Gas Valves



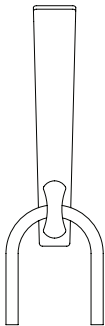
LENNOX HEARTH PRODUCTS
1508 Elm Hill Pike, Suite 108
Nashville, TN 37210
www.LennoxHearthProducts.com
1-800-655-2008

ACCESSORY COMPONENTS

Andiron Kits

For use with ENVY fireplaces only.

Table 8: Andiron Kits

		
Description	Catalog Number	Model Number
Classic	H8736	AK-CLS-NV

Touch-Up Paint Kit

Repair of minor scratches and discoloration of the appliance charcoal painted surfaces may be accomplished with the touch-up paint kit.

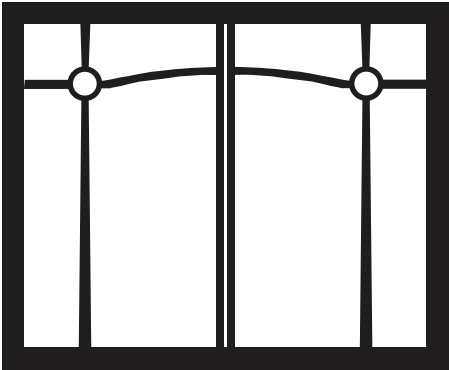
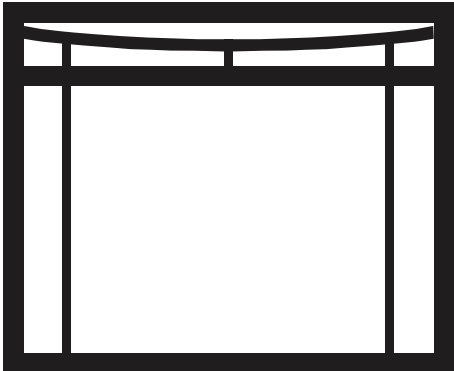
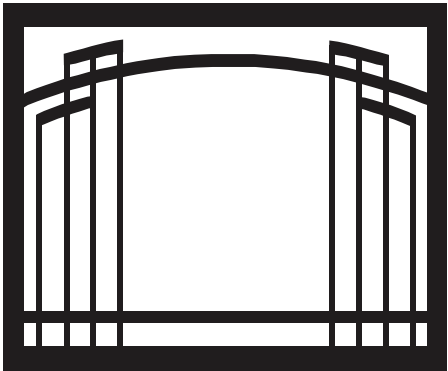
Table 9: Touch-Up Paint Kit

	
Catalog No.	Model No.
H8159	TSPK-B

Façade Kits

These façade kits, available in three (3) styles can be installed on ENVY/ENVY CD fireplaces to provide a distinctive finished appearance.

Table 10: Façade Kits

			
Santa Fe			
			
Balustrade			
			
Deco			
Catalog Number	Model Number	Description	Model
H8739	FAC-SF-BK-NV35	Facade, Sante Fe, Black	NV35IN NVCD35IN
H8740	FAC-BAL-BK-NV35	Facade, Balustrade, Black	
H8741	FAC-DECO-BK-NV35	Facade, Deco, Black	
H8715	FAC-SF-BK-NV40	Facade, Sante Fe, Black	NV40IN NVCD40IN
H8716	FAC-BAL-BK-NV40	Facade, Balustrade, Black	
H8717	FAC-DECO-BK-NV40	Facade, Deco, Black	
H8719	FAC-SF-BK-NV45	Facade, Sante Fe, Black	NV45IN NVCD45IN
H8720	FAC-BAL-BK-NV45	Facade, Balustrade, Black	
H8721	FAC-DECO-BK-NV45	Facade, Deco, Black	

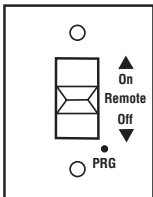
LIGHTING INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE LIGHTING

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

- A.** When lighting the appliance, follow these instructions exactly.
- 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**
 - Extinguish any open flame.
 - Open windows.
 - Do not light any appliance.
 - Do not touch any electrical switches.
 - Do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone.
 - If your gas supplier cannot be reached, call the fire department.
- C.** Use only your hand to turn the gas control lever. Never use tools. If the lever will not turn by hand, do not try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or an explosion.
- D.** Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

- 1.** STOP! Read the safety information above on this page.
 - 2.** Turn remote wall switch to OFF or set wall thermostat to lowest setting. If used, remove the batteries from the battery holder.
 - 3.** This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
 - 4.** Push the unit mounted ON/OFF switch to the OFF position.
- 
- 5.** Allow sufficient length of time (minimum 5 minutes) for any gas in the combustion chamber to escape. If you still smell gas, STOP! Follow **Step B** in the safety information above on this page. If you do not smell gas, go to the next step.
 - 6.** Push the unit mounted ON/OFF switch back to the ON position. The ON/OFF switch may include a wall switch if so equipped. Replace the batteries in the battery holder, if used. If the burner does not light or stay lit after several tries, turn the unit mounted ON/OFF switch to the OFF position and call your service technician or gas supplier.
- NOTE:** Sufficient time must be allowed for air to escape from lines if the unit is being lit for the first time.
- 7.** Turn HI/LO burner control knob to desired setting and close control door.
 - 8.** Set thermostat to desired setting, if applicable.
 - 9.** If the appliance will not operate, follow the instructions "To Turn OFF Gas To Appliance" and call your service technician or gas supplier.

To Shut OFF

- 1.** Turn OFF all electrical power to the appliance (remote wall switch) or set the thermostat to the lowest setting, if applicable. Or remove batteries, if used.

TO TURN OFF GAS TO APPLIANCE

- 1.** For complete shutdown, turn remote wall switch to OFF or set the thermostat to the lowest setting, if applicable.
- 2.** Turn the ON/OFF switch to OFF. If **Step 1** is not applicable.
- 3.** Turn off all electric power to the appliance and remove backup batteries if service is to be performed or for extended shutdown.

POUR VOTRE SÉCURITÉ, LISEZ CES INSTRUCTIONS AVANT L'ALLUMAGE

AVERTISSEMENT: SI VOUS NE SUIVEZ PAS CES INSTRUCTIONS À LA LETTRE, IL POURRAIT S'EN SUIVRE UN INCENDIE OU UNE EXPLOSION CAUSANT DES DOMMAGES MATÉRIELS, DES BLESSURES CORPORELLES OU MÊME DES PERTES DE VIE.

- A.** Lorsque vous allumez l'appareil, suivez exactement ces instructions.
- B. AVANT L'ALLUMAGE:** Assurez-vous que vous ne détectez aucune odeur de gaz autour de l'appareil ainsi que près du sol; certains gaz, étant plus lourds que l'air, descendent au niveau du sol.

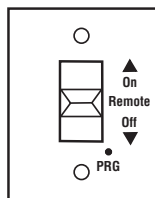
VOICI CE QUE VOUS DEVEZ FAIRE SI VOUS DÉCELEZ UNE ODEUR DE GAZ

- Éteignez toute flamme visible.
- Ouvrez les fenêtres.
- N'allumez aucun appareil.
- Ne touchez à aucun commutateur électrique.
- Ne vous servez d'aucun téléphone dans votre édifice.
- Appelez immédiatement votre compagnie de gaz en utilisant le téléphone du voisin.
- S'il vous est impossible de contacter votre compagnie de gaz, appelez le service des incendies.

- C.** N'utilisez que votre main pour manipuler l'interrupteur ON/OFF de la valve à gaz. N'utilisez jamais d'outils. Si l'interrupteur ne bouge pas manuellement, n'essayez pas de le réparer. Communiquez immédiatement avec un technicien de service qualifié. Toute tentative pour forcer l'interrupteur ou le réparer, risquerait de provoquer un incendie ou une explosion.
- D.** Ne vous servez pas de cet appareil si l'un de ses éléments a été immergé dans l'eau. Appelez immédiatement un technicien compétent pour faire inspecter l'appareil et remplacer toute pièce du système de réglage ou commande du gaz qui a été sous l'eau.

INSTRUCTIONS D'ALLUMAGE

1. ARRÊTEZ ! Lisez les consignes de sécurité au verso de cette plaque.
2. Tournez l'interrupteur mural à la position d'arrêt OFF. Ouvrez la porte du compartiment de contrôle du bas.
3. Assurez-vous que la soupape d'arrêt de la canalisation principale est ouverte.
4. Tournez la manette de réglage du gaz à la position d'arrêt OFF.



5. Attendez cinq (5) minutes pour l'évacuation du gaz. Si vous décelez une odeur de gaz ARRÊTEZ ! Retournez au point "B" des consignes de sécurité au verso de cette plaque. Si vous ne remarquez aucune odeur de gaz, passez à l'étape suivante.

6. Tournez la manette de réglage du gaz jusqu'à la position de marche ON. Ne la forcez pas.
7. Ouvrez le courant électrique (ON) qui alimente l'appareil (interrupteur mural).
8. Fermez la porte du compartiment de contrôle du bas.
9. Au besoin, rebrancher l'appareil au courant électrique et remettre l'interrupteur principal du brûleur à la position ON ou régler le thermostat à la température désirée.
10. Si l'appareil ne se met pas en marche, suivre les instructions intitulées "Pour fermer le gaz qui alimente l'appareil" et appeler un technicien ou le fournisseur de gaz.

Pour Éteindre l'Appareil

1. Coupez tout le courant électrique qui alimente l'appareil (interrupteur mural).

POUR FERMER LE GAZ QUI ALIMENTE L'APPAREIL

1. Pour une fermeture complète, tournez l'interrupteur mural à la position d'arrêt OFF.
2. Ouvrez la porte du compartiment de contrôle du bas.
3. Tournez la manette de réglage du gaz à la position d'arrêt OFF. Ne la forcez pas.
4. Fermez la soupape d'arrêt de la canalisation principale.
5. Fermez la porte du compartiment de contrôle du bas.

MAINTENANCE SCHEDULE

See the tables below for detailed information about required maintenance, both regular and annual.

Table 11: Maintenance Performed Annually—Before the Burning Season

Maintenance Task	Performed By	Procedure
Inspecting/Cleaning Burner, Logs and Controls	Qualified Service Technician	Inspect valve and ensure it is properly operating. Check piping for leaks. Vacuum the control compartment, fireplace logs and burner area.
Traditional Fireplaces Only: Check Flame Patterns and Flame Height	Qualified Service Technician	Verify the flame pattern and height displayed by the appliance (Figure 18). Flames must not impinge on the logs.
Contemporary Fireplaces Only: Check Flame Patterns and Flame Height	Qualified Service Technician	Verify the flame pattern and height displayed by the appliance (Figure 19).
Inspecting/Cleaning Pilot and Burner	Qualified Service Technician	Remove any surface build-up on pilot and burner assembly. Wipe the pilot nozzles, ignitor/flame rod and hood. Ensure the pilot flame engulfs the flame sensor as shown.
Checking Vent System	Qualified Service Technician	Inspect the vent system at the top and at the base (within the firebox) for signs of blockage or obstruction. Look for any signs of dislocation of the vent components.
Appliance Checkout	Qualified Service Technician	Perform the appropriate appliance checkout procedure detailed in this manual.
Replacing Rockwool Ember Materials	Homeowner/Qualified Services Technician	Remove old ember materials and vacuum the rockwool placement area. Place new rockwool as described in this document.

Table 12: Maintenance Performed Periodically—After the Burning Season

Maintenance Task	Performed By	Procedure
Traditional Fireplaces Only: Cleaning Firebox Interior	Homeowner	Carefully remove logs, rockwool and decorative volcanic stone and vermiculite. Vacuum out interior of the firebox. Clean firebox walls and log grate. Replace logs, Rockwool and volcanic stone as detailed in this manual.
Contemporary Fireplaces Only: Cleaning Firebox Interior	Homeowner	Carefully remove media. Vacuum out interior of the firebox. Clean firebox walls and burner. Replace media as detailed in this manual.
Traditional Fireplaces Only: Check Flame Patterns and Flame Height	Homeowner	Verify the flame pattern and height displayed by the appliance (Figure 18). Flames must not impinge on the logs.
Contemporary Fireplaces Only: Check Flame Patterns and Flame Height	Homeowner	Verify the flame pattern and height displayed by the appliance (Figure 19).
Checking Vent System	Homeowner	Inspect the vent system at the top and at the base (within the firebox) for signs of blockage or obstruction. Look for any signs of dislocation of the vent components.
Cleaning Front Glass Enclosure Panel	Homeowner	Clean as necessary following the directions provided in this manual. Do not touch or attempt to clean the glass while hot.

TROUBLESHOOTING

Before troubleshooting, ensure that the appliance main line gas shut-off valve and the wall switch are in the ON position. The following troubleshoots the fireplace only to an elementary level. For detailed remote and ignition system troubleshooting, refer to the instructions provided with the remote.

Detailed valve system troubleshooting should only be performed by a qualified service technician.

Table 13: Troubleshooting the ENVY/ENVY CD Fireplace

1. Nothing happens when the fireplace is turned ON/OFF.	a. Remote is not functioning properly.	Check that the wall switch plate is set to REMOTE.
		Operate the fireplace from the wall plate switch.
		Replace remote and/or wall switch batteries.
	b. Gas is not reaching the fireplace.	Check the gas supply and gas shutoff valves.
	c. Unit is not receiving power.	Check/replace backup batteries behind the wall plate.
		Check building circuit breakers to ensure power is ON to the fireplace.
2. The main burner does not light and the igniter is sparking.	a. Gas is not reaching the fireplace.	Check the gas supply and gas shutoff valves.
	b. Loose wires to the valve.	Check control compartment for any obviously loose wiring (call a service technician, if necessary).
	c. Loose wires to ignition module.	Check control compartment for any obviously loose wiring (call a service technician, if necessary).
	d. Air in the gas line.	Purge gas line of air (call a service technician if required).
3. The main Burner comes on but then goes out.	a. Gas is not reaching the fireplace.	Check the gas supply and gas shutoff valves.
	b. Loose wires to the valve or ignition module.	Check control compartment for any obviously loose wiring (call a service technician, if necessary).
	c. Pilot flame is not engulfing the sensor.	Call a service technician.
	d. Obstructed vent system.	Call a service technician.
4. Soot is present on the logs and glass.	a. Excessive flame impingement on the logs.	Properly position the logs as detailed on Page 12 .
	b. Improper air shutter opening.	Open the air shutter by pushing in the rod.

REPLACEMENT PARTS

Table 14: Replacement Parts

Description		ENVY/ ENVY CD 35 in.		ENVY/ ENVY CD 40 in.		ENVY/ ENVY CD 45 in.	
		Catalog Number	Qty	Catalog Number	Qty	Catalog Number	Qty
1	Surround Trim Assembly	H8734	1	H8713	1	H8735	1
2	Glass Door	H9017	1	H9018	1	H9019	1
3	Literature Kit	H9020	1	H9020	1	H9020	1
4	Remote Control Receiver Wall Switch Kit	H8752	1	H8752	1	H8752	1
5	Touch-Up Paint	90L73	1	90L73	1	90L73	1
6	Blower Assembly	H8736	1	H8736	1	H8736	1
7	Volcanic Stone	80L42	1	80L42	1	80L42	1

Contact a 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.

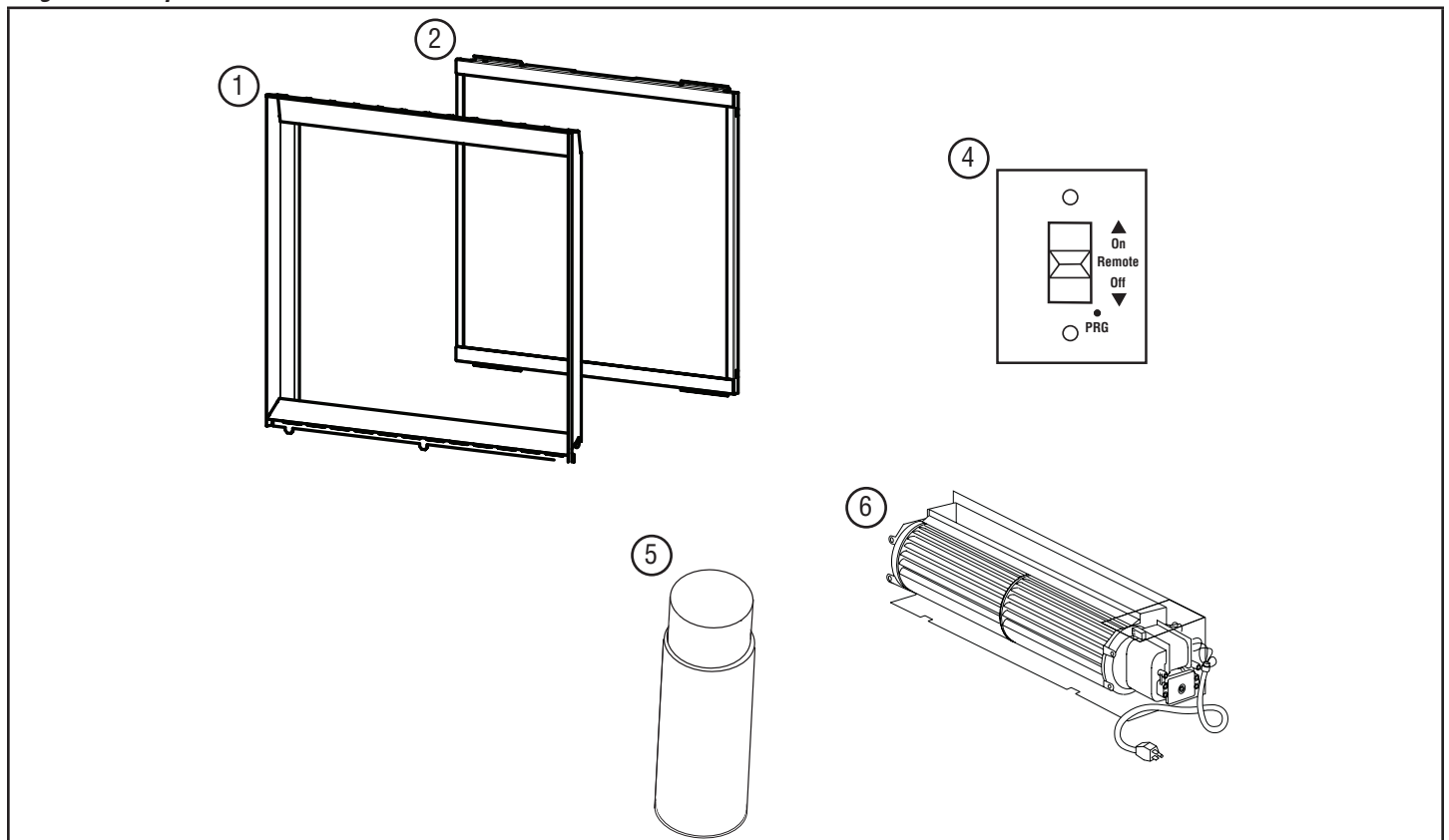
! WARNING

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.

Figure 21: Replacement Parts



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

LENNOX®, the LENNOX design, DAVE LENNOX, the image of DAVE LENNOX and other related LENNOX marks are registered or common law trademarks of Lennox Industries Inc. and are used with permission.

Printed in U.S.A. © 2013 Lennox Hearth Products LLC

P/N 506025-09 Rev. A 08/2013



1508 Elm Hill Pike, Suite 108 • Nashville, TN 37210