



HEARTH PRODUCTS



OTL Report No. 116-F-36d-5

P/N 506017-04 Rev. D 04/2013

This manual is one of a set of two supporting this product.

Refer to P/N 506015-05 for Installation Instructions.

Ce manuel est disponible en français, simplement

en faire la demande. Numéro de la pièce 506223-46.

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CARE AND OPERATION INSTRUCTIONS

MPB B-Vent Gas Fireplaces

MERIT Plus[®]
SERIES

MODELS

MILLIVOLT:

MPB33CNM	MPB35CPM
MPB33CPM	MPB40CNM
MPB35CNM	MPB45CNM

ELECTRONIC:

MPB33CNE	MPB40CNE
MPB35CNE	MPB45CNE

Decorative Product: Not for use as a heating appliance.

NOTICE: Fireplace is not to be operated by a thermostat.



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® 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, call 1-800-655-2008, or visit www.LennoxHearthProducts.com (Owner Resources/Safety).

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

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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!

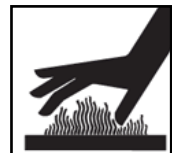
- ☐ To prevent severe burns and injuries, install a screen or physical barrier to prevent direct contact with the glass.

To order a FREE Lennox® SAFETY GUARD for your fireplace, see details at left.

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

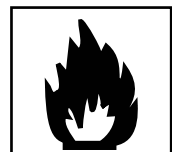
- The surfaces on your fireplace get
- **EXTREMELY HOT!**

- 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**.

[FRENCH]

La sécurité et votre foyer

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

- ☐ Afin d'éviter de vous brûler gravement ou de vous blesser, installez une grille ou une barrière physique pour empêcher tout contact direct avec la vitre.

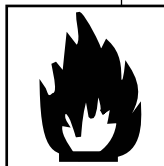
***Pour commander un PANNEAU DE PROTECTION
Lennox® GRATUIT pour votre foyer, consultez
les détails dans la partie gauche.***

- ☐ 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**.



[SPANISH]

Seguridad y su chimenea

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

- ☐ Instale una malla o barrera física para evitar el contacto directo con el vidrio y prevenir las quemaduras y lesiones graves.

***Ver los detalles a la izquierda para ordenar
un Lennox® SAFETY GUARD GRATIS
para su chimenea.***

- ☐ 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

1. **WARNING:** Do not operate appliance with the glass front removed, cracked or broken.
2. 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.
3. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
4. Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.
5. Clothing or other flammable material should not be placed on or near the appliance.
6. 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.
7. Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.
8. 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. See maintenance instructions on *Page 11*.

L'information de sûreté importante

1. **AVERTISSEMENT.** Ne pas utiliser l'appareil si le panneau frontal en verre n'est pas en place, est craqué ou brisé.
2. 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
3. et toute commande qui a été plongée dans l'eau.
4. 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.
5. 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.
6. On ne devrait pas placer de vêtements ni d'autres matières inflammables sur l'appareil ni à proximité.
7. 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.
8. Tout écran ou protecteur retiré pour permettre l'entretien de l'appareil doit être remis en place avant de mettre l'appareil en marche.
9. 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. Voyez les instructions d'entretien à la *Page 11*.

[SPANISH]

Información importante de seguridad

1. **ADVERTENCIA:** No opere el artefacto con el frente de vidrio quitado, agrietado o roto.
2. 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
3. de control y cualquier control de gas que haya estado bajo agua.
4. Debido a las altas temperaturas, el artefacto debe situarse fuera
5. de las áreas de tráfico y lejos del mobiliario y cortinas.
6. Se debe alertar a los niños y adultos sobre los peligros de
7. las altas temperaturas en la superficie y que se mantengan
8. alejados para evitar quemaduras o ignición de la ropa.
9. No debe colocarse ropa u otros materiales inflamables
10. sobre y cerca del artefacto.

11. 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
12. para mantener a los niños pequeños, jóvenes y otras personas
13. en riesgo fuera del cuarto y lejos de las superficies calientes.
14. Cualquier malla o resguardo de seguridad quitado para dar servicio a un artefacto, debe reinstalarse antes de operar el artefacto.
15. 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. Ver las instrucciones de mantenimiento en la *Página 11*.

HOMEOWNER'S INSTRUCTIONS - ATTACHING SAFETY IN OPERATION WARNINGS

ATTACHING SAFETY IN OPERATION WARNINGS

Your fireplace has been furnished with safety instruction labels that are to be affixed to the operation and control point of the fireplace. A safety instruction label should be affixed to the wall switch plate where the fireplace is turned on and off (*See Figure A*) and if used on the remote control handheld transmitter (*Figure B*). The warnings should already have been put in place when the fireplace 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 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.
2. If a remote control is used to control the fireplace, locate the 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 foyer a été livré avec des étiquettes de sécurité qui doivent être collées à côté des dispositifs de contrôle du foyer. Une étiquette de sécurité devrait être collée sur la plaque de l'interrupteur contrôlant l'allumage du foyer (*voir Figure A*) et, le cas échéant, sur le boîtier de la télécommande (*Figure B*). Les mises en garde auraient dû être collées au moment de l'installation initiale du foyer. Si ce n'est pas le cas, prenez les étiquettes adhésives multilingues fournies avec ces instructions et procédez comme suit:

1. Repérez l'interrupteur qui contrôle le foyer (vérifiez que l'interrupteur contrôle le fonctionnement du foyer en le faisant basculer de Marche à Arrêt, et vice-versa). Nettoyez soigneusement la plaque murale de l'interrupteur pour éliminer la poussière et les traces de graisse ou d'huile. Collez l'étiquette sur la surface de la plaque de l'interrupteur mural qui contrôle le foyer (*Figure A*). Choisissez la langue qui est principalement parlée dans la résidence du propriétaire.
2. Si une télécommande est utilisée pour contrôler le foyer, 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 chimenea incluye etiquetas de instrucciones de seguridad que deben colocarse en el punto de operación y control de la chimenea. Se debe colocar una etiqueta de instrucciones de seguridad en la placa del interruptor de pared desde el cual se enciende y se apaga la chimenea (*ver la Figura A*) y en el transmisor de control remoto (*Figura B*) si se usa. Las advertencias ya deben haberse colocado cuando se completó la instalación inicial de la chimenea. 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 pared que controla la chimenea (verifique que el interruptor opera la chimenea encendiéndola y apagándola). Limpie bien la placa del interruptor de pared para quitar el polvo y aceite. Pegue la etiqueta en la superficie de la placa del interruptor que controla la chimenea (*Figura A*). Seleccione el idioma que más se habla en la casa.
2. Si se usa un control remoto para controlar la chimenea, encuentre el transmisor 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



*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.*

Figure A



Figure B



APPLIANCE INSTALLATION, SERVICE, AND MAINTENANCE NOTICES

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 the gas supplier.

AVERTISSEMENT : Une installation, un réglage, une modification, une réparation ou un entretien mal effectué peut causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou le fournisseur de gaz.

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.

These appliances must not be connected to a chimney or flue serving a separate solid fuel burning appliance.

Draft relief openings must not be covered or blocked.

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.

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.

APPLIANCE OPERATION NOTICES

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

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.

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.

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.

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.

These fireplaces are designed as decorative appliances and are not intended for use as area heaters. They must not be equipped with wall thermostats or remote controls with thermostat functions.

CAUTION: Hot while in operation. Do not touch. Severe Burns may result. Keep children, clothing furniture, gasoline and other liquids having flammable vapors away.

ATTENTION : 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 vapeur inflammables loin de l'appareil.

This appliance uses room air for combustion. It is imperative that provisions for adequate combustion and ventilation air be made. This appliance is NOT designed to and will not operate in a negative pressure. Contact your dealer if you suspect such a situation exists.

WARRANTY INFORMATION

Your gas appliance is covered by a limited 20-year warranty. You will find a copy of the warranty accompanying this manual. Please read the warranty to be familiar with its coverage.

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

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.

NEGATIVE PRESSURE WARNING

WARNING

B-Vent appliances are not designed to operate in negatively pressured environments (pressure within the home is less than pressures outside). Significant negatively pressured environments caused by weather, home design, or other devices may impact the operation of these appliances. Negative pressures may result in poor flame appearance, sooting, damage to property and/or severe personal injury. Do not operate these appliances in negatively pressured environments.

GENERAL INFORMATION

The fireplace models covered in this manual are B-vented decorative gas appliances designed for residential application.

Millivolt appliances have a millivolt gas control valve with piezo ignition system. If any optional accessories that will require electrical power are to be installed, the electrical power must be provided at the time of appliance installation.

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 (in battery holder) provide backup power for appliance operation (excluding [optional] blower).

These appliances comply with National Safety Standards and are tested and listed by OMNI-Test Laboratories, Inc. (Report No. 116-F-36d-5) to ANSI Z21.50b-2009 (in Canada, CGA 2.22b-2009), and CAN/CGA-2.17-M91 (R2009) in both USA and Canada, as vented gas fireplaces.

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, or the Natural Gas and Propane Installation Code, CAN/CGA B149.1 - latest edition. The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, the latest edition of the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code,

CGA C22.1 - latest editions.

BTU Input

Millivolt appliances are manually controlled and feature a spark igniter (piezo) that allows the appliance pilot gas to be lit without the use of matches or batteries. This system provides continued service in the event of a power outage.

Both millivolt and electronic systems can be operated during a power outage, and feature manually operated hi-low flame control. The BTU Input for these appliances is shown in **Table 1**.

Input (BTU/HR) Gas Valves		
Models	Nat. Gas	Prop. Gas
	Input Rate (BTU/HR)	Input Rate (BTU/HR)
MPB33	13,500 to 17,500	13,500 to 17,500
MPB35	16,000 to 20,000	16,500 to 20,000
MPB40	24,000 to 30,000	22,300 to 28,000
MPB45	24,750 to 31,000	23,000 to 29,000

Table 1

Gas Pressure Requirements

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

Inlet Gas Supply Pressure		
Fuel #	Minimum	Maximum
Natural Gas	4.5" WC (1.12 kPa)	10.5" WC (2.62 kPa)
Propane	11.0" WC (2.74 kPa)	13.0" WC (3.24 kPa)

Table 2

Manifold Gas Supply Pressure		
Fuel #	Low	High
Natural Gas	2.2" WC (0.55 kPa)	3.5" WC (0.87 kPa)
Propane	6.3" WC (1.57 kPa)	10.0" WC (2.49 kPa)

Table 3

Test gauge connections are provided on the front of the millivolt and electronic gas control valve (identified IN for the inlet and OUT for the manifold side). The control valves have a 3/8" (10mm) NPT thread inlet and outlet side of the valve (refer to **Figures 2 and 3**).

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 (All Models)

These appliances are tested and approved for installation at elevations of 0-4500 feet (0-1372 meters) above sea level using the standard burner orifice sizes (marked with an "*" in **Table 4**). For elevations above 4500 feet, 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/CGA-B149.1 codes - latest edition.

Install the appliance according to the regulations of the local authorities having jurisdiction and, in the USA, the National Fuel Gas Code NFPA 54 / ANSI Z223.1 - latest edition or, in Canada, the CAN/CGA-B149.1 - latest edition.

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

Burner Orifice Sizes Elevation 0-4500 feet (0-1372 meters)		
Model	Nat. Gas drill size (inches)	Propane drill size (inches)
MPB33	#47 (0.0785")* 99K74•	(0.048")* 99K78•
MPB35	#44 (0.086")* 60J80•	#55 (0.052")* 19L52•
MPB40	#38 (0.102")* 99K76•	(0.062")* 21L01•
MPB45	#37 (0.104")* 24M10•	#52 (0.0635")* 37G00•

Table 4 * Standard size installed at factory
• Part /Cat. Number

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.

Burn-in Period

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

KEEP YOUR HOUSE WELL VENTILATED DURING THE CURING PROCESS. THE ODOR AND HAZE EMITTED DURING THE CURING PROCESS CAN BE QUITE NOTICEABLE AND MAY SET OFF A SMOKE DETECTOR.

If an optional blower is installed, do not turn it on during the burn-in period.

NOTICE: A white film may develop on the glass enclosure panel during the first few fires as part of the burn-in process.

The first few times you use the fireplace, clean the glass after each use (AFTER THE GLASS HAS COMPLETELY COOLED); otherwise, the white film will bake onto the glass and become difficult to remove.

See glass cleaning instructions on **Page 11**.

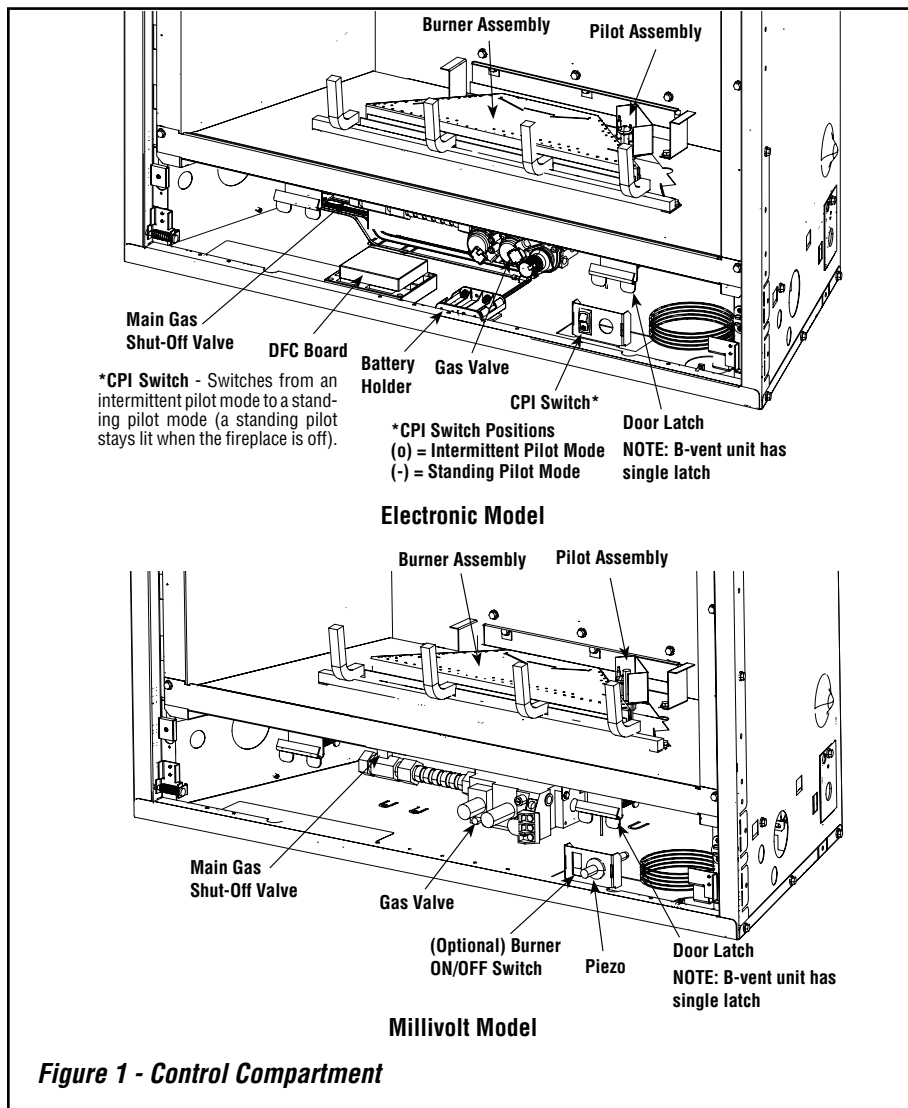
OPERATION AND CARE OF YOUR APPLIANCE

! 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.

**Gas Controls/Control Compartment Access**

Operation of millivolt and electronic gas control systems is different. Before lighting and operating your appliance, determine whether you have a millivolt or electronic appliance.

The gas controls can be found behind the lower access panel.

To open the panel, press the upper right corner of the panel until the spring-loaded magnetic catch is released. Then gently pull the panel forward to release the left magnetic catch and allow the panel to swing down to open.

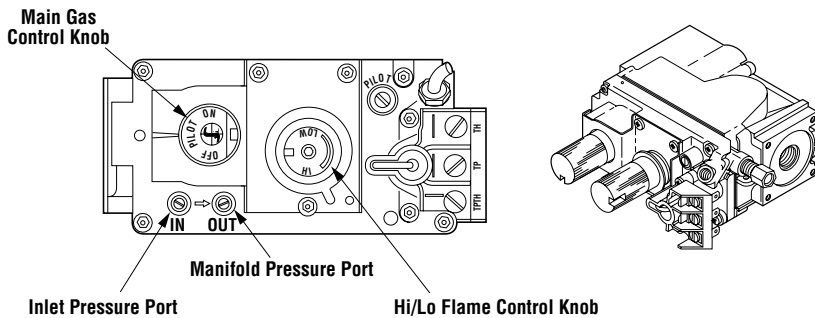
On millivolt systems, the piezo igniter, HI/LO flame adjustment knob, pilot and main gas ON/OFF control knob, and gas valve (**Figure 1**) are located behind the lower access panel.

On electronic systems, the hi/lo flame adjustment knob and gas valve are located behind the lower access panel. To remove the lower access panel, slide the hinge pin on the left side of the panel to the RIGHT until it disengages from the left corner post hole. Pull the panel diagonally to the LEFT, away from the fireplace.

To ease panel replacement, press the spring-loaded catches to temporarily lock them in their retracted position, and then close the panel.

Refer to **Figure 1** for access to the gas control valve. Millivolt appliances will be fitted with the gas control valve shown in **Figure 2**.

Appliances with electronic systems will be fitted with the electronic valve shown in **Figure 3**. Familiarize yourself with the gas control valve that your appliance uses.



NOTE: The piezo igniter is located behind the lower access panel (see Figure 1).

Figure 2 - SIT Millivolt Gas Valve

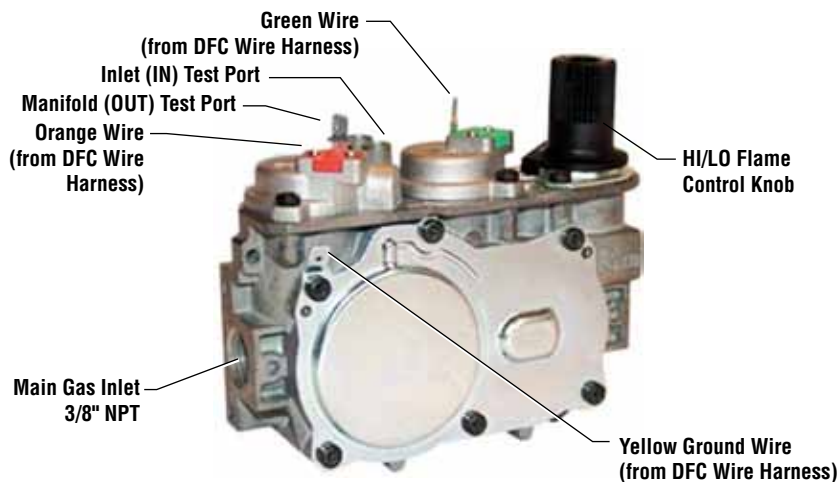


Figure 3 - SIT Electronic Gas Valve

Millivolt Appliances

To light millivolt appliances, refer to the detailed lighting instructions found on **Page 24**. **Millivolt appliance lighting instructions may also be found on the pull-out lighting instruction labels attached to the gas control valve.**

Millivolt units are not provided with any factory-installed controls; therefore, one of the optional control switches is required to operate the unit (ON/OFF wall switch, unit-mountable ON/OFF switch, remote control). See "Accessories" in this manual for details.

Once the pilot is lit, use the switch or remote control to turn the appliance on or off.

Electronic Appliances

To light electronic appliances, refer to the detailed lighting instructions on **Page 26**. **Electronic appliance lighting instructions may also be found on the pull-out lighting instruction label attached to the gas control valve.**

If your electronic appliance is equipped with an optional wall switch or remote control kit, the appliance main burner may be turned ON and OFF using the wall switch or remote control.

CPI switch located to the right of the gas valve switches the pilot from intermittent operation (pilot goes out when the fireplace is turned off) to continuous pilot mode. The rocker switch will not turn the burner on or off.

Variable Flame Height Adjustment

All millivolt and electronic appliances are equipped with a variable gas control valve. Flame height for these models may be adjusted through a range between fixed low and high settings, alternately, while the appliance is in operation.

Adjust the flame height as desired after lighting the appliance by rotating the HI/LO flame control knob located on the front of the valve (refer to **Figures 2 and 3**).

Vent Operation Test

After appliance installation, perform this vent operation test to verify that proper venting conditions exist:

1. Place unit in its normally-operated condition, with the glass enclosure panel in place.
2. Close all doors and windows in the room. Turn on all exhaust fans in the building.
3. Light the appliance.
4. Wait fifteen (15) minutes.
5. To check for venting action, start by holding a smoke producing device within an inch of one side edge (not top or bottom edge) of the glass enclosure panel. The smoke should be drawn toward the edge of the glass enclosure. Continue the test by moving the smoke producing device along the entire length of both side edges of the glass door.
6. If the smoke is not drawn into the firebox, turn off the appliance and call a qualified service technician.

Resetting The Safety Limit Switch

This appliance is equipped with a manually resettable safety limit switch. Refer to

Figure 4 on Page 10 for its location. If, during appliance operation, the flame goes out (independently of the burner ON/OFF wall switch), it may be due to a blocked vent. If this condition occurs, the safety limit switch will activate, causing the fireplace burner to shut off.

To reset the safety limit switch, perform the following steps.

NOTE: Allow the appliance to cool completely.

1. Remove the top louver panel.
2. Reset the safety limit switch by pushing the red reset button located between the wire terminals on the back of the switch (See **Figure 4, Detail A**).
3. The appliance should then relight and remain lit.

NOTE: If the appliance does not relight, turn off the appliance and call for a qualified service technician to replace the blocked vent safety limit switch.

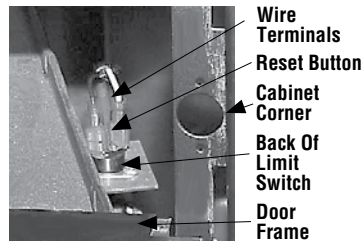
4. Reinstall the top louver panel.

Replacing The Safety Limit Switch

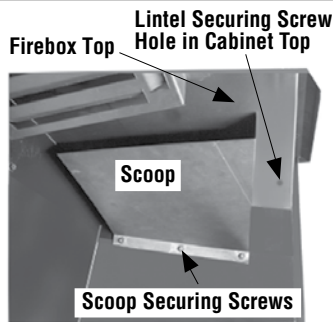
To replace the blocked vent safety limit switch, refer to **Figure 4, Details B & C**.

NOTE: This procedure should only be performed by a qualified service technician.

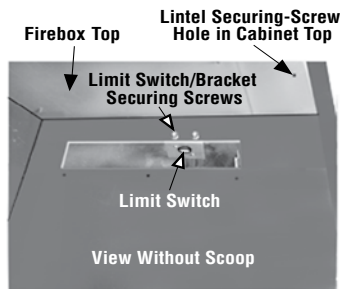
1. Turn electrical power off before beginning this procedure.
2. Lower the bottom control compartment access panel.
3. Remove the glass enclosure panel by unfastening the latch (located in the center of the unit front opening, under the firebox floor) securing the glass enclosure panel.
4. Remove the glass enclosure panel by tilting it outward at the bottom and lifting it up. Carefully set the door aside to protect it from inadvertent damage (see **Figure 6 on Page 12**).
5. Remove the three (3) screws securing the lintel, and then remove the lintel. One of the lintel cabinet top holes is shown in **Figure 4, Detail B**.
6. Remove the three (3) screws securing the scoop, and then remove the scoop (see **Figure 4, Detail B**).
7. Remove the two (2) screws securing the safety switch bracket, and remove the switch/bracket assembly, with low voltage wires attached, through the side panel slot into the firebox (see **Figure 4, Detail C**).
8. Replace the switch.
9. Reinstall the switch/bracket assembly.
10. Reinstall the scoop and lintel.
11. Reinstall the glass enclosure panel.
12. Raise the bottom control compartment access panel.
13. The appliance should then relight and remain lit. If this does not occur, check unit for a blocked vent condition.



Detail A



Detail B



Detail C

Blocked Flue Safety Limit Switch Location, Inside
View of Firebox, Top/Right Side Intersection

Figure 4 - Safety Limit Switch

Outside Combustion Air Controls

Many appliances are equipped with an outside (make-up air) vent system designed to provide the appliance with outside make-up air for combustion while in operation.

The combustion air control lever for the outside air system is standard on all appliances but should not be operated if the complete system is not installed (see **Figure 5**). When the complete outside air vent system is installed, the installer will remove the securing screw from the combustion air control lever located on the left side of the bottom fireplace opening.

If the securing screw has not been removed and you have reason to believe that you have a complete outside air system, contact your dealer to have your appliance inspected for the presence of the complete system.

⚠ WARNING

Do not operate the shutoff lever unless a complete outside combustion air system has been installed with the appliance.

NOTE: Do not assume the outside air vent system is installed.

To open the outside air shutter complete the following steps.

1. Open the bottom control access panel.
2. Reach into the control compartment and pull the combustion air control lever all the way out.

The outside air shutter should be fully open when the fireplace is in use and completely closed when the fireplace is not being used. Closing the air shutter when not in use will prevent outside cold air from entering the building.

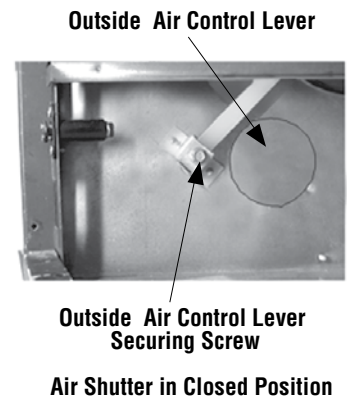


Figure 5 - Combustion Air Control Lever and Securing Screw Location

MAINTENANCE

Refer to the maintenance schedule on **Page 23** for maintenance tasks, procedures, and the frequency and by whom they 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 to the pilot (millivolt appliances) before cleaning. Before relighting, refer to the lighting instructions in this manual (**Page 24**). Instructions are also found on a pull-out panel located in the control compartment.

Always keep the appliance area clear and free from combustible materials, gasoline and other flammable liquids.

Inspect Venting System

The appliance and venting system should be thoroughly inspected before initial use and, at a minimum, annually by a qualified service technician. Inspection should include ensuring the exhaust passage is unobstructed and vent components are properly assembled and not damaged. Contact a qualified service technician at once if any abnormal conditions are 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.

Cleaning Glass

See **"Front Glass Enclosure Panel, Removal, and Installation"** on **Page 12**.

NOTE: Do not clean the viewing glass before completing the burn-in period (the first two weeks of operation). Clean the glass only when necessary and when the fireplace is cool. Wipe the surface with a clean, damp, soft cloth. Follow with a dry, soft towel. Take care not to scratch the glass surface.

WARNING: Never use abrasive cleaners on the glass, or clean the glass when it is hot.

The viewing glass should be cleaned periodically to remove any build-up caused by 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.
- During the initial curing of the high temperature paint and burning off of lubricants used in the manufacturing process, a film may collect 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, as necessary.

The following cleaning solutions are approved for use to clean glass:

- Non-ammonia based household cleaner
- 50/50 mix of white vinegar and water
- Gas fireplace/stove glass cleaner

Inspect Glass Gasket

Visually inspect the gasket on the back side of the glass enclosure panels. The gasket surface must be clean, free of irregularities, and seated firmly.

Clean Control Compartment

Keep the control compartment clean by vacuuming or sweeping it out at least twice a year. 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.

Clean Logs And Burner

Carefully remove the logs (use care when handling fiber logs, as they become quite fragile after curing). Vacuum out any foreign matter (lint, carbon, etc.) on the burner. Ensure the burner ports are "open". Remove any carbon deposits from the under side of the logs using a vacuum cleaner, or a soft bristled brush (i.e. paint brush).

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

Replacing Logs

If the logs become damaged by accident or improper handling and need replacement, use only the proper replacement logs from manufacturer (see **Page 30** for ordering information).

Re-Install Embers and Logs

Carefully follow placement instructions on **Page 13**. All logs should fit onto the corresponding pins and/or log stoppers. This will ensure a proper flame and safe combustion.

Inspect Wiring

Refer to **"Wiring"** on **Page 19**.

CAUTION: Label all wires prior to disconnection when servicing controls. 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 melting or damage. Inspection should include:

- Terminals at the valve
- ON/OFF Switch (optional unit mounted switch) or standard CPI switch (electronic models only)
- Remote control or remote wall switch kit (optional control switch)

Inspect Burner Flame and Pilot Flame Appearance

Periodically do a visual check of the burner flame and the pilot flame. Ensure that the burner flame appearance resembles the flame shown in **Figures 12, 13 and 14** and as described in Flame Appearance and Sooting on **Page 17**. Refer to **Figures 16 and 17** on **Page 18** for more information about the pilot flame appearance. Contact a qualified service technician at once if any abnormal condition is observed.

Small Area Paint Touch-Up

Use only a factory supplied paint kit for touch-ups. Paint is available from Lennox Hearth Products dealers. Never attempt to paint a hot fireplace.

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

Front Glass Enclosure Panel, Removal and Installation

! WARNING

- Do not attempt to substitute the materials used on this door, 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.

! 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.

Only doors certified with the appliance shall be used.

Seules des portes certifiées pour cet appareil doivent être utilisées.

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

These are B-vent appliances. They are designed to operate only when the front glass enclosure panels are installed. Generally the front glass enclosure panel should not be removed except to gain access to the components within the firebox.

REMOVING GLASS ENCLOSURE PANELS

Remove the top louver assembly.

To access the glass door securing latch, first open the lower control compartment door (*Figure 5*) by pushing in simultaneously the left and right top corners of the door. (The door is hinged at the bottom.) Remove the bottom compartment door by sliding the hinge pin, located at the door's left side, to the right until it disengages from the left corner post hole. Pull the door diagonally to the left, away from the fireplace.

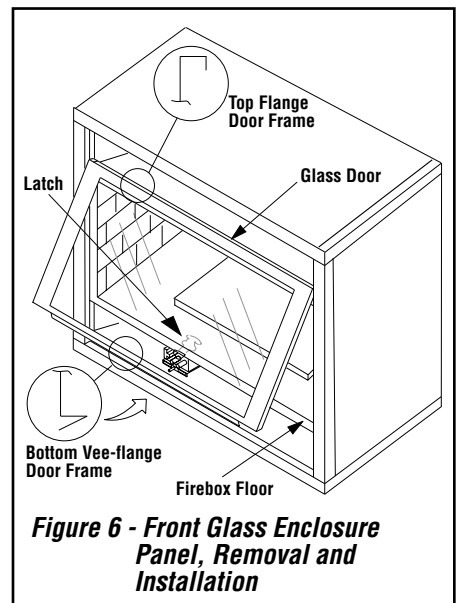
Locate the latch at the top of the control compartment and disengage it from the door frame bottom vee-flange, pulling down on the handle to open it.

REINSTALLING THE GLASS ENCLOSURE PANEL

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

Position the door in front of the firebox opening with the bottom of the door held away from the fireplace (*Figure 6*). Hook the top flange of the door frame over the top of the firebox frame.

Let the bottom of the door frame swing gently in towards the fireplace ensuring that the gasket seats evenly as the door frame draws shut. Fasten the latch located underneath the firebox floor to the door's vee-flange. Close the latch securely.



INSTALL VOLCANIC STONE, GLOWING EMBERS, AND LOGS

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

WARNING

- DO NOT attempt to install the logs until the appliance installation has been completed, the gas line connected, and tested for leaks and the initial burner operation has been checked out.
- The size and position of the log set was engineered to give the appliance a safe, reliable, and attractive flame pattern. Any attempt to use a different log set in the fireplace will void the warranty and will result in incomplete combustion, sooting, and poor flame quality.
- Logs get very hot and will remain hot up to one hour after gas supply is turned off. Handle only when logs are cool. Turn off all electricity to the appliance before you install grate, volcanic stone, embers and logs.
- This appliance is not designed to burn wood. Any attempt to do so could cause irreparable damage to the appliance and prove hazardous to your safety.
- If logs are not installed according to the log installation instructions, flame impingement and improper combustion could occur and result in soot and/or excessive production of carbon monoxide (CO), a colorless, odorless, toxic gas.

Cat. No.	Model No.	Description
88L53	FGE	Bag of Glowing Embers
80L42	FDVS	Bag of Decorative Volcanic Stone

Table 5 - Firebox Accessories

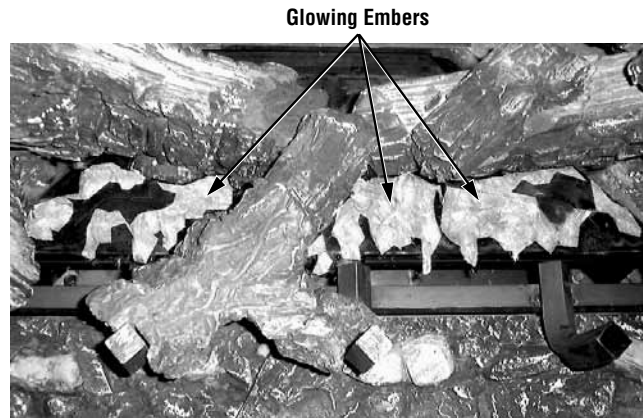


Figure 7 - Glowing Ember Placement

Step 1. Remove the appliance front door (see Removing Glass Enclosure panel on **Page 12**).

Step 2. Install volcanic stone - Sprinkle the volcanic stone in a pleasing pattern. The volcanic stone should be placed directly on top of the firebox bottom, along the front and to the back at the right and left sides of the burner. Position any optional ceramic fiber liners before placing the volcanic stone. Logs should be positioned after the volcanic stone.

NOTE: This appliance is provided with enough glowing embers for several applications, do not feel compelled to use all that is in a new bag. For best glowing effect, replace the ember material annually. Replacement glowing embers are available (Catalog Number 88L53).

Step 3. Separate the glowing embers into pieces about the size of a quarter (**Figure 8**). Keep the pieces fluffed up, not matted. Distribute these pieces over the front surface of the burner, as shown in **Figure 7**. Do not use more than is necessary. When properly positioned, the glowing embers will cover approximately 65% of the front burner and with no appreciable gaps or openings. Ensure that the main burner ports remain uncovered by the ember material.

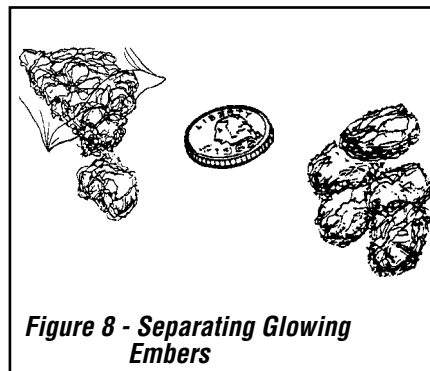


Figure 8 - Separating Glowing Embers

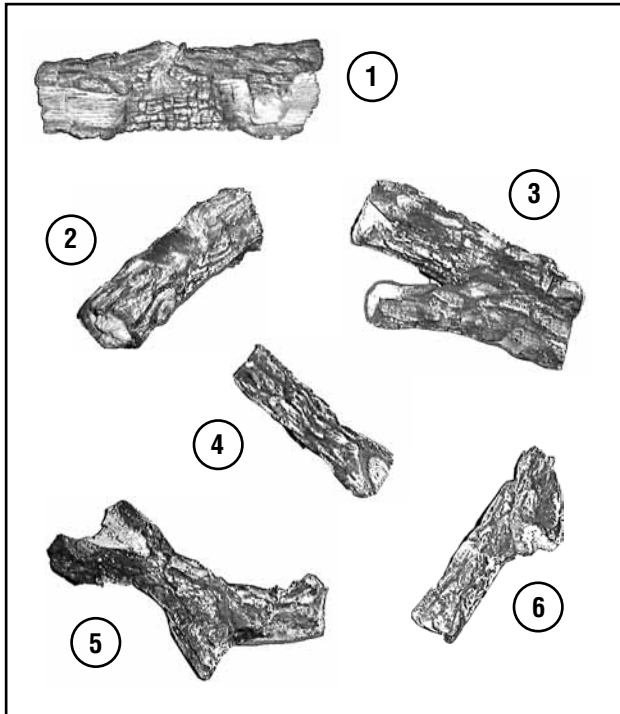
Step 4. Placement of Logs - All top logs that rest on lower logs, do so over notches, indents or nubs. Proper log placement is critical to prevent sooting. Logs should be placed in the gaps between the flame peaks and should be positioned so they do not impinge the flames.

Step 5. Position the individual logs as shown in **Figures 9, 10, and 11**. Logs should be placed in the order shown. All logs that have notches to fit over the grate tines should be positioned with these notches directly against the grate. **Handle logs carefully to prevent breakage.**

Proper log placement is critical to encourage outstanding flame appearance and prevent sooting. When positioned properly as shown, logs will be positioned between flame peaks and will not impinge any flames.

Refer to **Figure 9** for MPB33 series appliances, **Figure 10** for MPB35 and MPB40 series appliances, and **Figure 11** for MPB45 series appliances

MPB33 LOG PLACEMENT



Log Number	Description (Stamped #)
1	Log, Rear (39-12)
2	Log, Left (39-1)
3	Log, Right (39-2)
4	Log, Top Center (39-13)
5	Log, Top/Left (39-3)
6	Log, Top/Right (39-4)

Catalog Number for the entire log set: 24M15

Position the individual logs as shown below. Logs should be placed in the order shown. Position the rear log on the brackets at the rear of the firebox with the log's notches directly over the brackets. Position the right log (log no. 3) by inserting the pin from the rear log into the hole on its upper end. Place the left log and then the smaller left and right top logs. All logs that have notches to fit over the grate tines should be positioned with these notches directly against the grate. All top logs that rest on lower logs, do so over flattened mounting faces in the bottom logs.

Proper log and twig placement is critical to encourage outstanding flame appearance and prevent sooting.

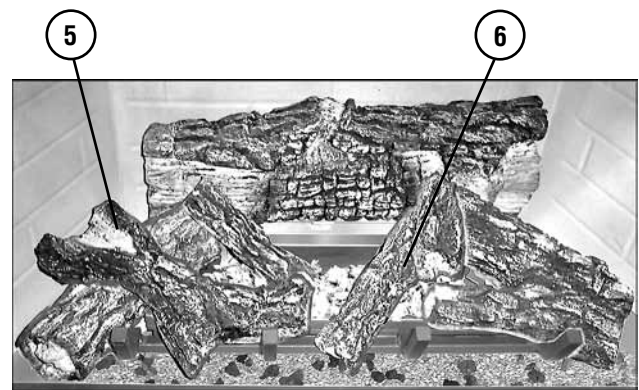
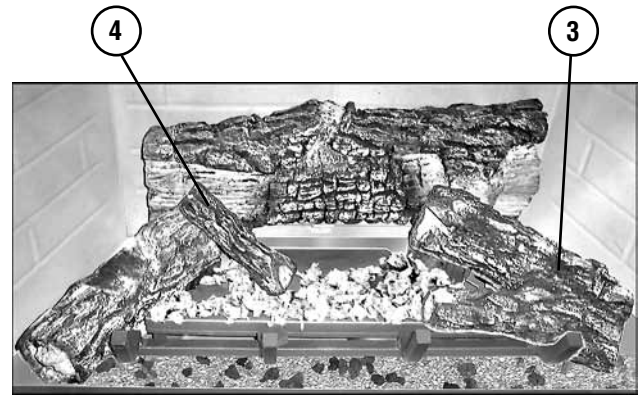
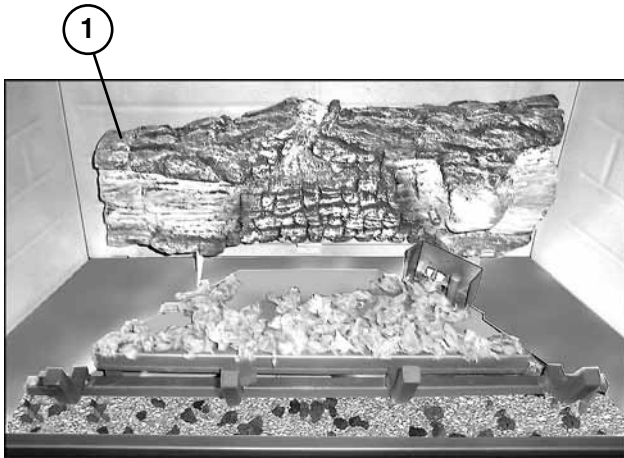
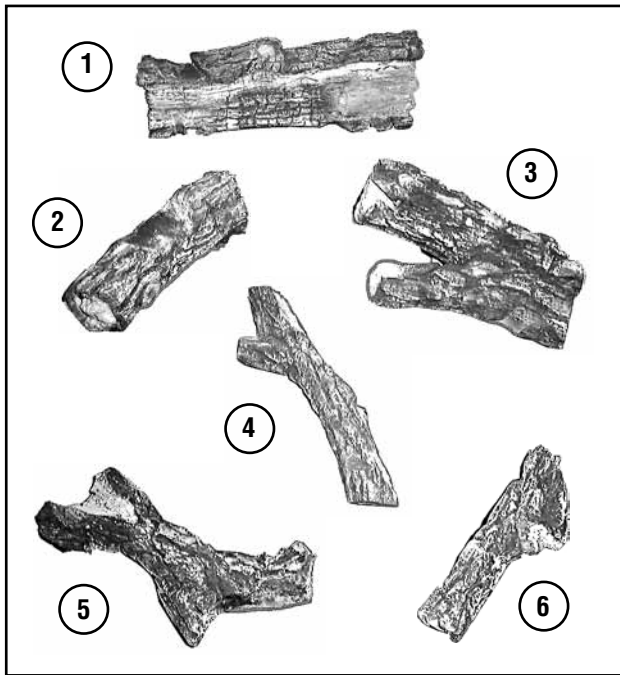


Figure 9 - MPB33 Log Placement

MPB35 LOG PLACEMENT



Log Number	Description (Stamped #)
1	Log, Rear (39-5)
2	Log, Left (39-1)
3	Log, Right (39-2)
4	Log, Top Center (39-6)
5	Log, Top/Left (39-3)
6	Log, Top/Right (39-4)

Catalog Number for the entire log set: H6197

Position the individual logs as shown below. Logs should be placed in the order shown. Position the rear log on the brackets at the rear of the firebox with the log's notches directly over the brackets. Position the right log (log no. 3) by inserting the pin from the rear log into the hole on its upper end. Place the left log and then the smaller left and right top logs. All logs that have notches to fit over the grate tines should be positioned with these notches directly against the grate. All top logs that rest on lower logs, do so over flattened mounting faces in the bottom logs.

Proper log and twig placement is critical to encourage outstanding flame appearance and prevent sooting.

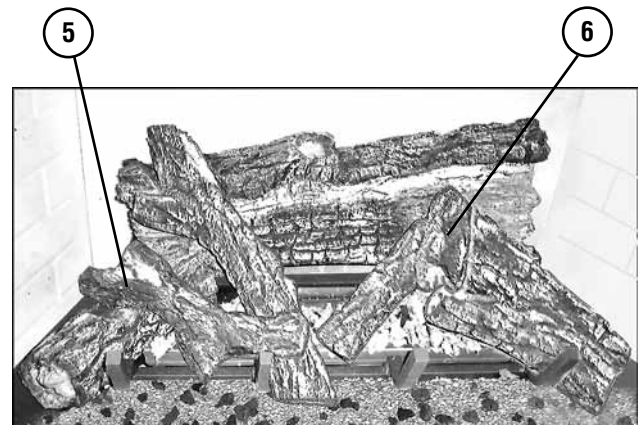
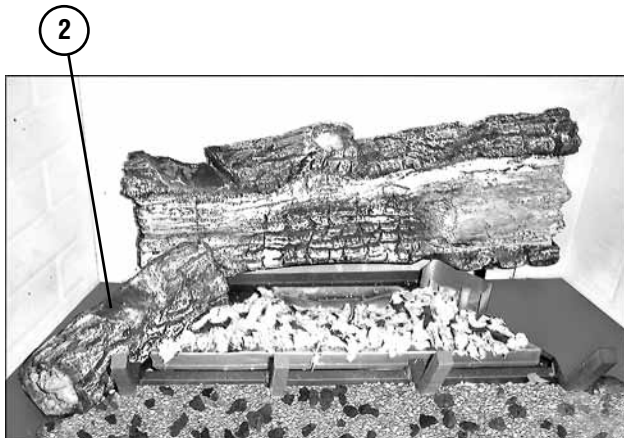
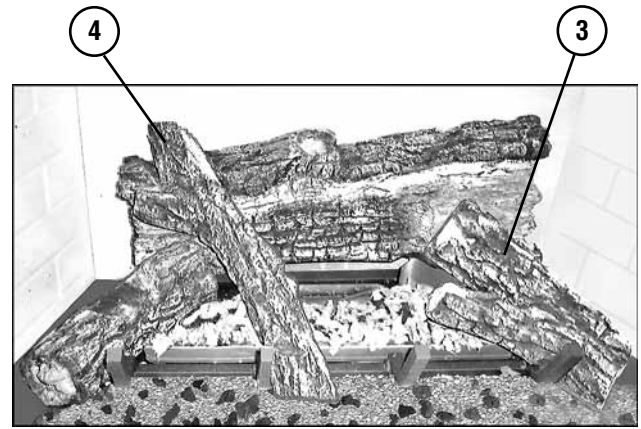
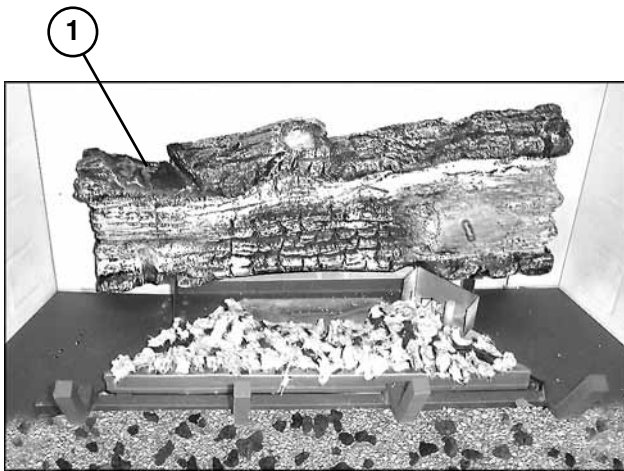
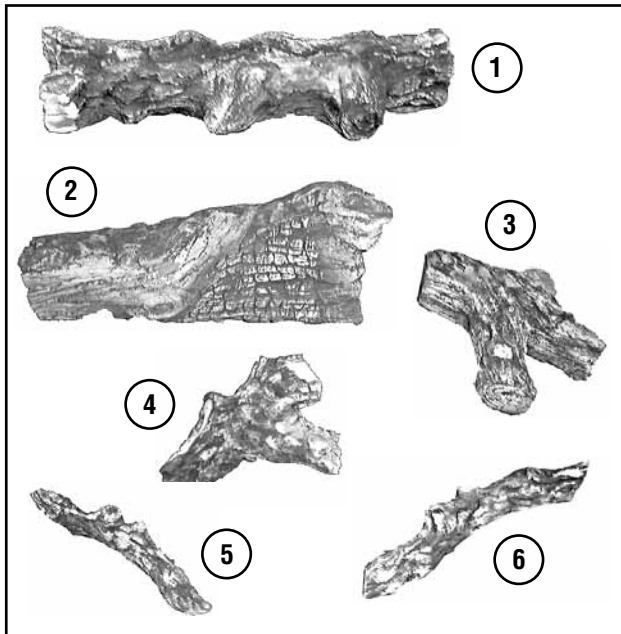


Figure 10 - MPB35 Log Placement

MPB40 AND MPB45 LOG PLACEMENT



Log Number	Description (Stamped #)
1	Log, Center (39-8)
2	Log, Rear (138)
3	Log, Right (39-10)
4	Log, Left (39-9)
5	Log, Top/Left (39-11)
6	Log, Top/Right (39-11)

Catalog Number for the entire log set: 24M25

Position the individual logs as shown below. Logs should be placed in the order shown. Position the center log on the burner first, then place the glowing embers as shown in **Figure 7**. Place the rear log, both the right and left, and then the smaller left and right top logs. All logs that have notches to fit over the grate tines should be positioned with these notches directly against the grate. All top logs that rest on lower logs, do so over flattened mounting faces in the bottom logs.

Proper log and twig placement is critical to encourage outstanding flame appearance and prevent sooting.

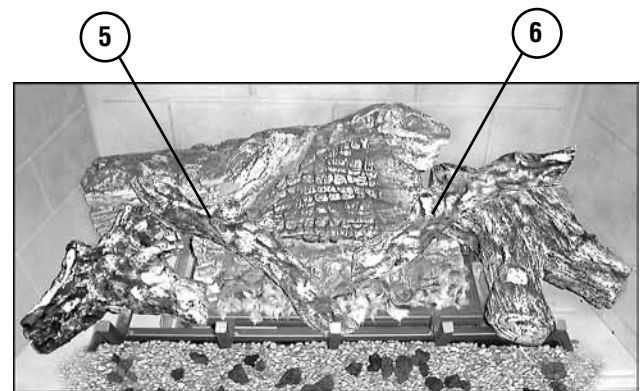
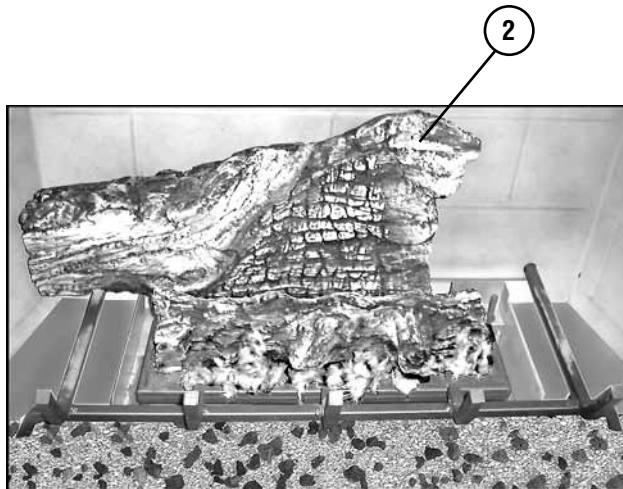
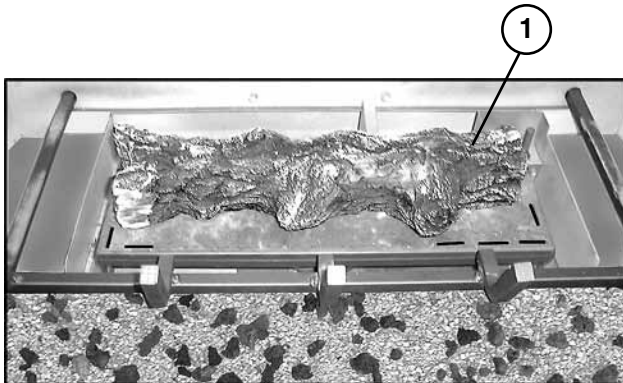


Figure 11 - MPB40 and MPB45 Log Placement

BURNER ADJUSTMENTS (QUALIFIED TECHNICIANS ONLY)

Flame Appearance and Sooting

Proper flame appearance is a flame which is blue at the base and becomes yellowish-orange in the body of the flame.

When the appliance is first lit, the entire flame may be blue and will gradually turn yellowish-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 yellowish-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.

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

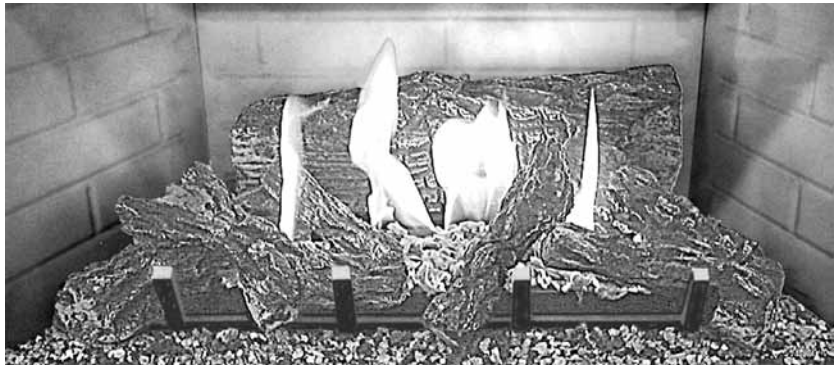


Figure 12 - MPB33

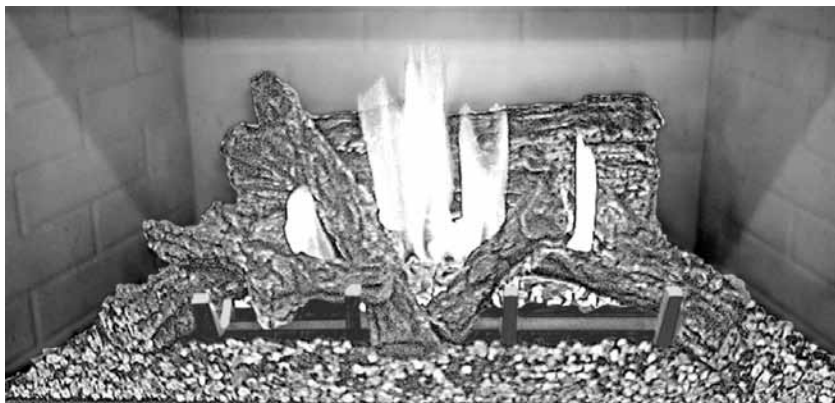


Figure 13 - MPB35

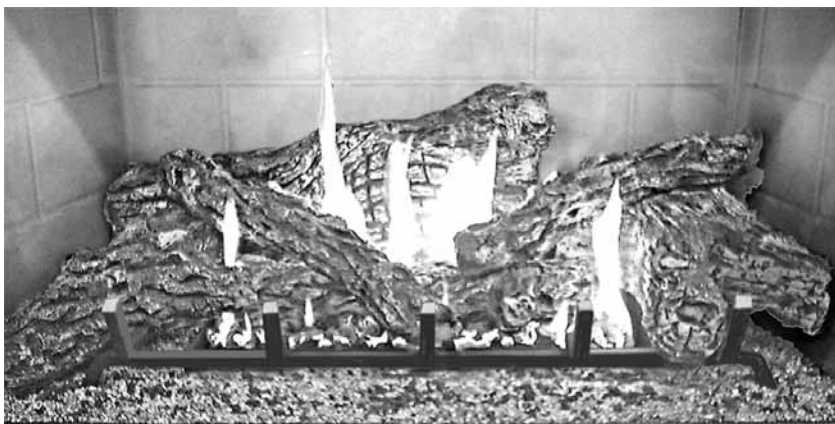


Figure 14 - MPB40 and MPB45

! 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.

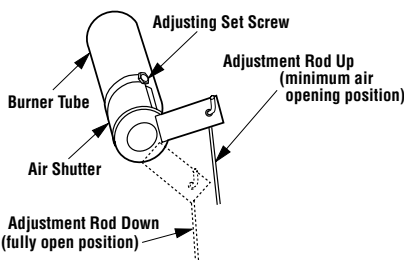
! CAUTION

- 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.

BURNER FLAME ADJUSTMENTS

1. Refer to **Figures 12, 13, and 14** for proper flame appearance. To adjust the flame, move the rod up and down (the adjustment rod is located in the lower control area). Position the air shutter to the factory setting as shown in **Figure 15**.
2. Light appliance (follow lighting procedure on lighting label in control compartment or in this *Care and Operation Instructions*).
3. 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. 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.
4. When satisfied that the burner flame appearance is normal, turn the ON/OFF control (unit-mounted or remote switch, depending on your application) to the OFF position.
5. Reinstall the lower control access panel, then proceed to finish the installation.

Main Burner Factory Air Shutter Opening Settings



Model	Natural Gas	Propane Gas
MPB 33	Fully Closed	3/16" (4.76 mm)
MPB35	Fully Closed	3/16" (4.76 mm)
MPB40	Fully Closed	3/16" (4.76 mm)
MPB45	Fully Closed	3/16" (4.76 mm)

Figure 15

Millivolt Appliance Checkout

To light the burner, rotate the gas valve control knob counterclockwise to the ON position ("ON" will be at the top side of the valve).

The pilot flame should be steady, not lifting or floating. Flame should be blue in color with traces of orange at the outer edge.

The top 3/8" (10 mm) at the pilot generator (thermopile) and the top 1/8" minimum (tip) of the quick drop out thermocouple should be engulfed in the pilot flame.

The flame should project 1" (25 mm) beyond the hood at all three ports (see **Figure 16**). Replace logs if removed for pilot inspection.

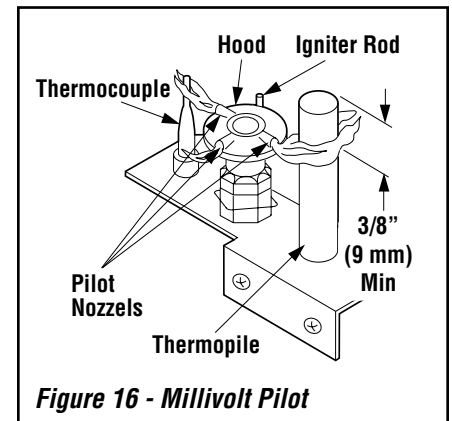


Figure 16 - Millivolt Pilot

Electronic Appliance Checkout

Turn the ON/OFF control (unit-mounted or remote switch, depending on your application) to the ON position.

The pilot flame should engulf the flame rod, as shown in **Figure 17**.

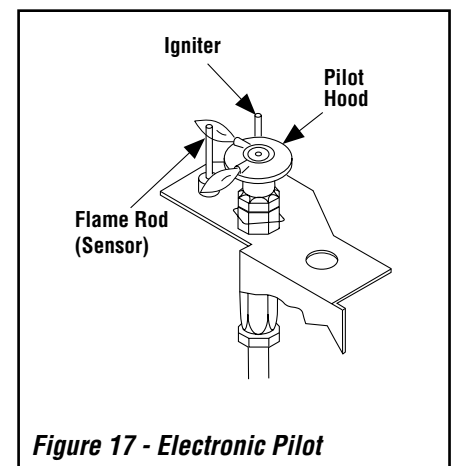
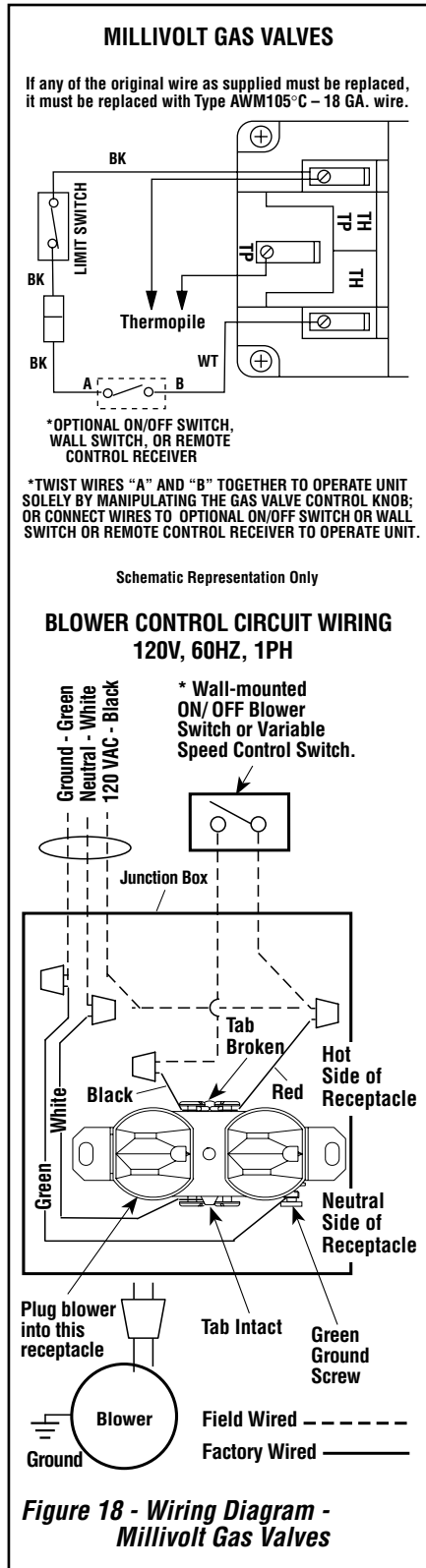


Figure 17 - Electronic Pilot

WIRING DIAGRAMS

Wiring diagrams are provided here 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.



CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS APPLIANCE 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.

ORDERING REPLACEMENT PARTS

A complete parts list is found at the end of this manual. Use only parts supplied from the manufacturer.

With proper care and maintenance, your appliance will provide many years of enjoyment. If you should experience any problem, first refer to the troubleshooting guide in this manual. If problem persists, contact your Lennox Hearth Products dealer or distributor.

Normally, all parts should be ordered through your LennoxHearthProducts distributor or dealer.

Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always provide:

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 or distributor.

LENNOX HEARTH PRODUCTS

1508 Elm Hill Pike, Suite 108

Nashville, TN 37210

visit us at www.LennoxHearthProducts.com

1-800-655-2008

PRODUCT REFERENCE INFORMATION

We recommend that you record the important reference information about your fireplace in the space provided below.

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

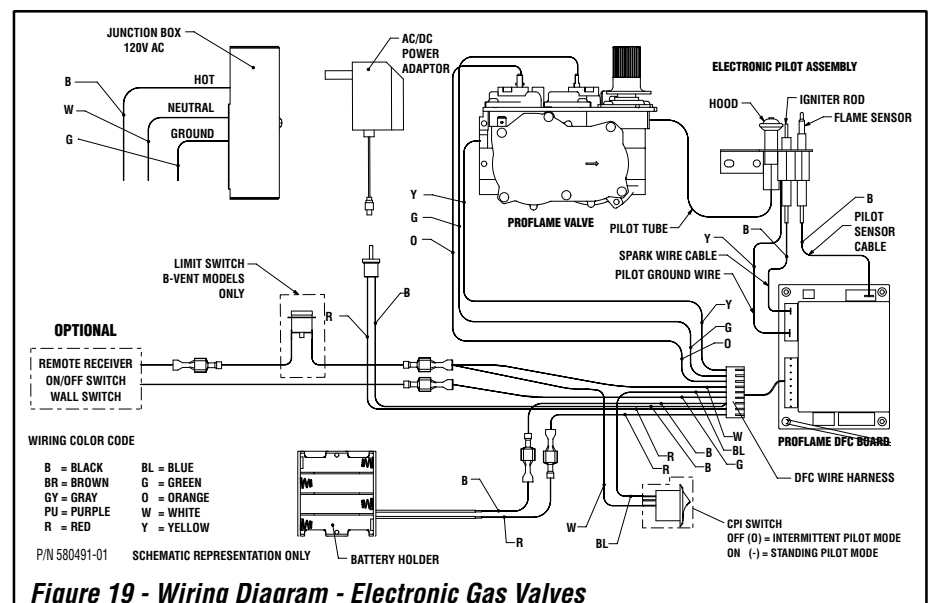
Fireplace Model Number _____

Fireplace Serial Number _____

Date Installed _____

Type of Gas Used in Fireplace _____

Dealer Name _____



OPTIONAL REMOTE CONTROL SYSTEM

The remote control system provides remote ON/OFF burner operation.

The receiver (wall switch) accepts commands from the handheld remote control transmitter to turn the flame on and off.

Use the slider switch (**Figure 20**) to set the receiver to one of three positions:

- ON (manually turns on the burner)
- REMOTE (remote ON/OFF burner control)
- OFF (manually turns off the burner)

Receiver (Wall Switch) Functionality

The Receiver is powered by four (4) AA batteries. The receiver accepts commands via radio signal sent from the transmitter. When the system is turned on, an acoustic signal ("beep") is generated to indicate that the Receiver is ready to receive commands from the remote control.

Remote Control Functionality

When the batteries are installed in the remote control and the side slider is in the position shown in Figure A, the LED on the transmitter illuminates each time the ON/OFF button is pressed.

Initializing the Remote Control System

To program the transmitter to the receiver, slide the wall switch to the REMOTE position (see **Figure 20**) and press the ON/OFF key on the handheld remote control.

The system has an automatic learning model that allows the receiver to synchronize with a new transmitter in the event the transmitter must be replaced. As soon as the receiver receives the first correct command from any remote control, it will beep (3) times to confirm synchronization.

Turning ON the Appliance

When the ON/OFF key is pressed (**Figure 21**), the LED on the transmitter illuminates and the remote control is switched on.

Turning OFF the Appliance

If the appliance and the remote control are switched on, when the ON/OFF key is pressed (**Figure 21**), the Remote control is turned off. The receiver beeps (2) times.

Low Battery Detection (Remote Control)

The life of the remote control batteries depends on many factors, including battery quality and number of appliance ignitions.

When the transmitter batteries are low, the LED light will be dim to alert of a low battery condition before losing all power. As soon as the depleted batteries are replaced, the Transmitter will restart its normal operation.

Low Battery Detection (Receiver Wall Switch)

If the receiver batteries are low, a triple acoustic signal will be emitted by the receiver when it receives a command from the transmitter depressing the ON/OFF key. This is an alert of a low battery condition before losing battery power at all. As soon as the depleted batteries are replaced, the acoustic signal from the receiver confirms the reception of the ON/OFF command from the transmitter.

Child Safety Lockout

With this function it is possible to deactivate the remote control key (see **Figure 21**).

Backup Function

If the batteries of the Receiver are low, the appliance can be switched on manually by moving the slider switch on the Receiver to the ON position (see **Figure 20**).



Figure 20 - Receiver, Wall Switch

! 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.

! WARNING

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.



Figure 21 - Transmitter - Remote Control

Product Reference Information

Cat. No.	Model	Ship. Wt.	Ship. Volume
H8641	MPB33CNE	77.5 lb.	13.1 cu. ft.
H8639	MPB33CNM	77.5 lb.	13.1 cu. ft.
H8640	MPB33CPM	77.5 lb.	13.1 cu. ft.
H8643	MPB35CNE	92 lb.	15.8 cu. ft.
H8642	MPB35CNM	92 lb.	15.8 cu. ft.
H8644	MPB35CPM	92 lb.	15.8 cu. ft.
H8646	MPB40CNE	117.5 lb.	20.2 cu. ft.
H8645	MPB40CNM	117.5 lb.	20.2 cu. ft.
H8648	MPB45CNE	125.5 lb.	23.0 cu. ft.
H8647	MPB45CNM	125.5 lb.	23.0 cu. ft.

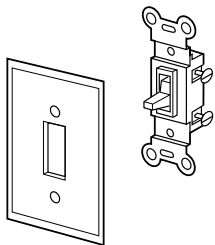
ACCESSORY COMPONENTS



Manual or up to 3 hr Countdown Timer modes

- LCD display
- Displays room temp. in °F or °C
- Flame icon and low battery indicator
- Includes batteries
- Wall clip included
- Receiver may be wall mounted or placed in the control compartment
- Includes white face plate
- Flame icon
- Low battery indicator
- Batteries included

Remote, Two Button, Timer, On/Off Or Timer Mode		
Cat. No.	Model No.	Description
H8860	RC-S-1	Remote Control



ON/OFF Wall Switch Kit

The ON/OFF wall switch may be used to control the operation of the fireplace burner as an alternative to the optional unit-mountable ON/OFF rocker switch. Install the wall switch in a convenient location near the fireplace.

White Wall Switch Kit		
Cat. No.	Model No.	Description
85L87	FWSK	OFF/ON Wall Switch Kit



Wall Control

- 4-button timer with 30/60/120/OFF minutes
- Wall surface mounted
- Connects to wall switch wire
- Perfect for rental and resort applications

Wall Switch, Countdown Timer		
Cat. No.	Model No.	Description
H8863	WS-S-TMR	Wall Switch



Cost Effective Solution

- Simple On/Off operation
- Works with millivolt and low voltage electronic ignition controls

Kit includes:
Remote and Receiver

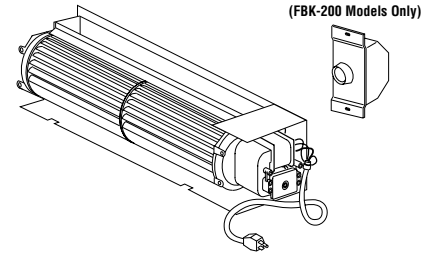
G-Fire Remote, Simple On/Off		
Cat. No.	Model No.	Description
H8840	KIT-RC-G-FIRE	Remote Control



Touch-Up Paint Kit

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

Touch-Up Paint Kits		
Cat. No.	Model No.	Description
90L73	FTPK-B	Touch-Up Paint (Black)



(FBK-200 Models Only)

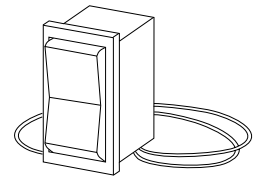
Forced Air Blower Kit

The FBK-100 blower assembly provides constant-velocity forced-air circulation.

The FBK-200 blower assembly provides variable-speed forced-air circulation and includes a wall-mountable variable-speed switch.

The FBK-250 blower assembly provides variable-speed forced-air circulation and includes a unit-mountable variable-speed switch.

Forced Air Blower Kits		
Cat. No.	Model No.	Description
80L84	FBK-100	Single Speed
80L85	FBK-200	Variable Speed with wall-mountable switch
80L86	FBK-250	Variable Speed with unit-mountable switch



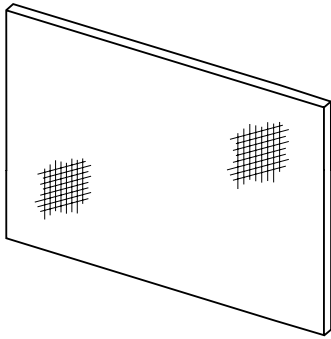
Unit-Mountable ON/OFF Rocker Switch Kit

(Millivolt systems only)

The rocker switch may be used to provide ON/OFF operation as an alternative to the optional wall switch. The rocker switch installs in a mounting bracket in the control compartment (millivolt gas valve-equipped fireplaces only).

Rocker Switch Kit		
Cat. No.	Model No.	Description
80L41	FRS	Rocker Switch Kit

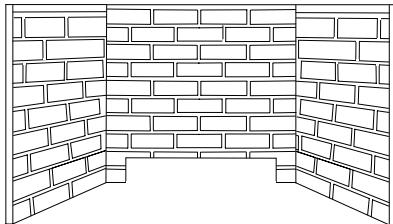
ACCESSORY COMPONENTS (continued)



35" Barrier Screen Kits		
Cat. No.	Model No.	Models Where Used
H7974	BSK33M	MPB33
H7975	BSK35M	MPB35
H7976	BSK40M	MPB40
H7977	BSK45M	MPB45

Barrier Screen Kits

These barrier screen kits create a barrier to prevent direct contact with the hot glass. The screen panel affixes directly to the glass enclosure panel.



Firebox Liner Kits		
Cat. No.	Model No.	Description
H4683	MBLK-33B	Brick Liner Kit, MPB33
H4684	MBLK-35B	Brick Liner Kit, MPB35
H4685	MBLK-40B	Brick Liner Kit, MPB40
H4686	MBLK-45B	Brick Liner Kit, MPB45

The brickaded firebox liner kits include ceramic panels as shown here. The panels have brick-like features in relief.

Style View™ Doors

Style View doors come in three styles. They are easy to install onto the standard glass door frame. Includes heavy-duty magnetic door latches and functional twin-pane doors.

Cat. No.	Model	Description	Where Used	
H8769	AD35B-2	35" Arch Doors, Black	MPB35	
H8770	AD35SP-2	35" Arch Doors, Satin Pewter		
H8771	AD40B-2	40" Arch Doors, Black	MPB40	
H8772	AD40SP-2	40" Arch Doors, Satin Pewter		
H8773	AD45B-2	45" Arch Doors, Black	MPB45	
H8774	AD45SP-2	45" Arch Doors, Satin Pewter		

Cat. No.	Model	Description	Where Used	
H8775	APD35B-2	35" Arch Pane Doors, Black	MPB35	
H8776	APD35SP-2	35" Arch Pane Doors, Satin Pewter		
H8777	APD40B-2	40" Arch Pane Doors, Black	MPB40	
H8778	APD40SP-2	40" Arch Pane Doors, Satin Pewter		
H8779	APD45B-2	45" Arch Pane Doors, Black	MPB45	
H8780	APD45SP-2	45" Arch Pane Doors, Satin Pewter		

Cat. No.	Model	Description	Where Used	
H8781	SPB35B-2	35" Sq. Pane Doors, Black	MPB35	
H8782	SPB35SP-2	35" Sq. Pane Doors, Satin Pewter		
H8783	SPB40B-2	40" Sq. Pane Doors, Black	MPB40	
H8784	SPB40SP-2	40" Sq. Pane Doors, Satin Pewter		
H8785	SPB45B-2	45" Sq. Pane Doors, Black	MPB45	
H8786	SPB45SP-2	45" Sq. Pane Doors, Satin Pewter		

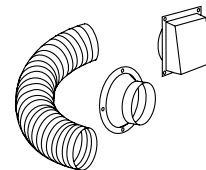


Decorative Firebox Accessories		
Cat. No.	Model No.	Description
88L53	FGE	Bag of Glowing Embers (1 oz. rockwool)
80L42	FDVS	Bag of Decorative Volcanic Stone

Bag of Glowing Embers

Bag of Volcanic Stone

Replacement ember materials or volcanic stone are available for use with these appliances. Order kits as part of the periodic maintenance of the appliance.



Outside Combustion Air Kits		
Cat. No.	Model No.	Description
81L87	FOAK-4	Combustion Air Kit (with duct)
81L88	FOAK-4LD	Combustion Air Kit (without duct)

Outside Air Kits Models FOAK-4 and FOAK-4LD

Outside Air kits are available with duct (FOAK-4) and without duct (FOAK-4LD) for use if outside combustion air is required or desired. If model FOAK-4LD is used it must be used in conjunction with locally purchased, non-combustible Class 1 or Class 0 flexible duct.

MAINTENANCE SCHEDULE

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

Annually (Before the onset of the Burning Season)

Maintenance Task	Performed By	Procedure
Inspect and Clean 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.
Check Flame Patterns and Flame Height	Qualified Service Technician	Refer to Figures 9 (MPB33), 10 (MPB35) or 11 (MPB40 & MPB45) on Pages 14 through 16 and verify the flame pattern and height displayed by the appliance conforms to the picture. Flames must not impinge on the logs. Ensure flames are steady (not lifting or floating).
Inspect and Clean Pilot and Burner	Qualified Service Technician	Refer to Figure 16 (millivolt) or Figure 17 (electronic) on Page 17 . Remove any surface build-up on pilot and burner assembly. Wipe the pilot nozzles, igniter/flame rod and hood. Ensure the pilot flame engulfs the flame sensor as shown.
Check 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 (reconnect or replace as necessary).
Appliance Checkout	Qualified Service Technician	Perform the appropriate appliance checkout procedure detailed in this manual.
Replace Glowing Embers	Homeowner/Qualified Services Technician	Remove old ember materials and vacuum the embers placement area. Place new embers as described in this document.

Periodically (After the Burning Season)

Maintenance Task	Performed By	Procedure
Clean Firebox Interior	Homeowner	Carefully remove logs, glowing embers and decorative volcanic stone. Vacuum out interior of the firebox. Clean firebox walls and log grate. Replace logs, glowing embers and volcanic stone as detailed in this manual.
Check Flame Patterns and Flame Height	Homeowner	Refer to Figures 12 (MPB33), 13 (MPB35) or 14 (MPB40 & MPB45) on Page 17 and verify the flame pattern and height displayed by the appliance conforms to the picture. Flames must not impinge on the logs.
Check 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 (reconnect or replace as necessary).
Clean Front Glass Enclosure Panel	Homeowner	Clean as necessary following the directions provided in this manual. DO NOT TOUCH OR ATTEMPT TO CLEAN GLASS WHILE HOT.

LIGHTING INSTRUCTIONS - MILLIVOLT GAS VALVE



FOR YOUR SAFETY READ BEFORE LIGHTING

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

A. This appliance has a pilot which must be lighted by a piezo igniter. When lighting the pilot, follow these instructions exactly.

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

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.

- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

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

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. (If applicable) Set the thermostat to lowest setting. Turn wall on/off switch, unit mounted on/off switch or remote control switch "OFF."
3. Turn OFF all electric power to the appliance.
4. Access the control compartment.
5. Push in gas control knob slightly and turn clockwise  to "OFF."

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do Not force.

6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
7. Find pilot - located in firebox on the same plane as the top of the burner.
8. Turn knob on gas control counterclockwise  to "PILOT."
9. Push in control knob all the way and hold in. Immediately light the pilot by triggering the piezo igniter (pushing the button) until pilot lights. Continue to hold the control knob in for about 1-1/2 minutes after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 9.

- If knob does not pop up when released, stop and immediately call your service technician or gas supplier.

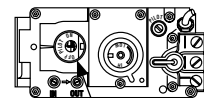
- If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

10. Turn gas control knob counterclockwise  to "ON."
11. Close control compartment.
12. (If applicable) Turn on all electrical power to the appliance.
13. (If applicable) Set thermostat to desired setting. Turn wall on/off switch, unit mounted on/off switch or remote control switch "ON."

Gas Control Valves

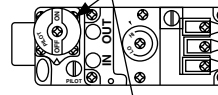
Pilot Assemblies

SIT

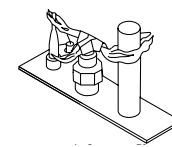
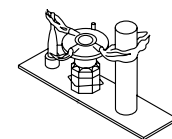


Gas Control Knobs

Robertshaw



Honeywell



TO TURN OFF GAS TO APPLIANCE

1. (If applicable) Set the thermostat to lowest setting. Turn wall on/off switch, unit mounted on/off switch or remote control switch "OFF."
2. Turn OFF all electric power to the appliance, if service is to be performed.
3. Access the control compartment.

4. Push in gas control knob slightly and turn clockwise  to "OFF." Do not force.
5. Close the main line gas shut-off valve.
6. Close control compartment.



WARNING



HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.

INSTRUCTIONS D'ALLUMAGE - VANNE GAZ MILLIVOLT



POUR PLUS DE SÉCURITÉ, LIRE AVANT D'ALLUMER

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'une veilleuse qui doit être allumée avec un allumeur piézo-électrique. Respectez les instructions ci-dessous à la lettre.

B. **AVANT L'ALLUMAGE:** Avant d'allumer la veilleuse, reniflez tout autour de l'appareil pour déceler 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.

QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :

- Ne pas tenter d'allumer d'appareil.
- Ne touchez à aucun interrupteur ; ne pas vous servir des téléphones se trouvant dans le bâtiment.

- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur, appelez le service des incendies.

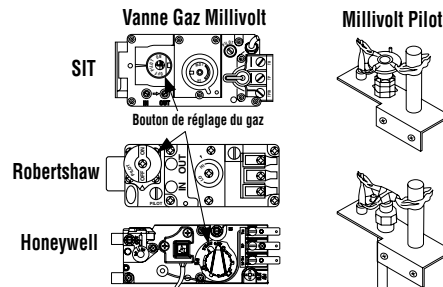
C. Ne pousser ou tourner la manette d'admission du gaz qu'à la main. Ne jamais employer d'outil à cette fin. Si la manette reste coincée, ne tentez pas de la réparer; appelez un technicien qualifié. Quiconque tente de forcer la manette ou de la réparer peut provoquer une explosion ou un incendie.

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.

INSTRUCTIONS D'ALLUMAGE

1. **ARRÊTEZ !** Lisez les instructions de sécurité sur la portion supérieure de cette étiquette.
2. (Si applicable) Réglez le thermostat à la température la plus basse. Tournez l'interrupteur murale, l'interrupteur sur l'unité ou le contrôle à distance à "OFF."
3. Coupez l'alimentation électrique de l'appareil.
4. Accédez au compartiment de contrôle.
5. Enfoncez légèrement le bouton de réglage du gaz et tournez-le dans le sens des aiguilles d'une montre jusqu'à la position d'arrêt "OFF".
Remarque: Il est impossible de tourner le bouton de "PILOT" à "OFF" à moins qu'il ne soit légèrement enfoncé. Ne le forcez pas.
6. Attendre cinq (5) minutes pour laisser échapper tout le gaz. Reniflez tout autour de l'appareil, y compris près du plancher, pour déceler 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 de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante.
7. Trouver le pilote - Situé dans l'âtre sur la même surface que le dessus du brûleur.
8. Tournez le bouton de contrôle sur la valve à gaz dans le sens antihoraire vers "Pilote".
9. Enfoncez le bouton de réglage jusqu'au fond et gardez-le enfoncé. Allumez immédiatement la veilleuse en déclenchant l'allume-gaz à étincelle (en poussant le bouton) jusqu'à ce que la veilleuse s'enflamme. Continuez de tenir le bouton de réglage enfoncé pendant environ 90 secondes après l'allumage de la veilleuse. Relâchez le bouton et il sortira subitement. La veilleuse devrait rester allumée. Si elle s'éteint, répétez les étapes 5 à 8 inclusivement.

- Si la manette ne se soulève pas d'elle-même lorsqu'on la relâche, arrêter et appeler immédiatement un technicien qualifié ou le fournisseur de gaz.
 - Si la veilleuse ne reste pas allumée après plusieurs tentatives, réglez la manette d'admission du gaz à la position OFF et appelez un technicien qualifié ou le fournisseur de gaz.
10. Tournez le bouton de réglage du gaz en sens inverse des aiguilles d'une montre jusqu'à sa position de marche "ON".
 11. Fermer le compartiment de contrôle.
 12. (Si applicable) Mettez l'appareil sous tension.
 13. (Si applicable) Réglez le thermostat à la température désirée. Tournez l'interrupteur murale, l'interrupteur sur l'unité ou le contrôle à distance à "ON."



COMMENT COUPER L'ADMISSION DE GAZ DE L'APPAREIL

1. (Si applicable) Réglez le thermostat à la température la plus basse. Tournez l'interrupteur murale, l'interrupteur sur l'unité ou le contrôle à distance à "OFF."
2. Coupez l'alimentation électrique de l'appareil s'il faut procéder à l'entretien.
3. Accédez au compartiment de contrôle.
4. Enfoncez légèrement le bouton de réglage du gaz et tournez-le dans le sens des aiguilles d'une montre jusqu'à la position d'arrêt "OFF". Ne forcez pas le bouton.
5. Fermer la valve de gaz principale.
6. Fermer le compartiment de contrôle.



AVERTISSEMENT



**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.**

LIGHTING INSTRUCTIONS - ELECTRONIC



FOR YOUR SAFETY READ BEFORE OPERATING

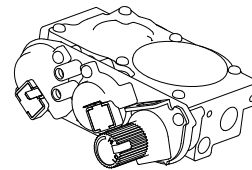
WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- 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.

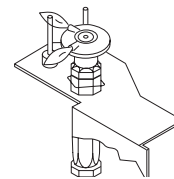
OPERATING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Read the Care and Operation manual including the section on "Remote Control System," (if applicable).
3. Slide the switch on the receiver, wall switch or ON/OFF switch to "OFF."
4. Turn "OFF" all electric power to the appliance. NOTE: The control may have a battery backup (remove batteries, if installed).
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. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
7. Turn on all electric power to the appliance. NOTE: The control may have a battery backup (install batteries, if applicable).
8. Slide the switch on the receiver to REMOTE or ON/OFF switch / wall switch to ON.
9. (if applicable) Press ON/OFF button on remote control transmitter to "ON."
10. (if applicable) Set thermostat on remote control to desired setting.
11. 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



Electronic Pilot Assembly



TO TURN OFF GAS TO APPLIANCE

1. Slide the switch on the receiver, wall switch or ON/OFF switch to "OFF."
2. (if applicable) Press ON/OFF button on remote control transmitter to "OFF."
3. Turn off all electric power to the appliance if service is to be performed. NOTE: The control may have a battery backup (remove batteries, if installed).
4. Close the main line gas shut-off valve.



WARNING



HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.

INSTRUCTIONS D'ALLUMAGE - ELECTRONIC



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 déceler 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.

QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :

- Ne pas tenter d'allumer d'appareil.
- Ne touchez à aucun interrupteur; ne pas vous servir des téléphones se trouvant dans le bâtiment.

- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur, appelez le service des incendies.

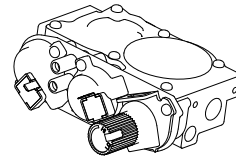
C. Si un élément de cette unité ne fonctionne pas tel que décrit dans les instructions, n'essayez pas de le réparer, appelez un technicien qualifié. N'utilisez-pas d'outils. Le fait de forcer la manette ou de la réparer peut déclencher une explosion ou un incendie.

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.

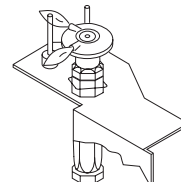
INSTRUCTIONS DE MISE EN MARCHÉ

1. ARRÊTEZ ! Lisez les avertissements de sécurité à l'endos de cette étiquette.
2. Lisez le manuel d'utilisation et d'entretien incluant la section « Système de télécommande » (si applicable).
3. Placez l'interrupteur mural ou "on/off" en position "off."
4. Coupez l'alimentation électrique de l'appareil. NOTE: Le contrôleur peut avoir une batterie de secours (retirer les batteries au besoin).
5. Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne tentez pas d'allumer la veilleuse manuellement.
6. Attendre cinq (5) minutes pour laisser échapper tout le gaz. Reniflez tout autour de l'appareil, y compris près du plancher, pour déceler 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 de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante.
7. Mettez l'appareil sous tension. NOTE: Le contrôleur peut avoir une batterie de secours (installer les batteries au besoin).
8. Placez l'interrupteur du récepteur en position "REMOTE" (ou l'interrupteur mural en position ON).
9. (Si applicable) Appuyez sur le bouton "ON/OFF" pour sélectionner "ON".
10. (Si applicable) Ajustez le thermostat sur la télécommande à l'ajustement désiré.
11. 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



Module de veilleuse
électronique



COMMENT COUPER L'ADMISSION DE GAZ DE L'APPAREIL

1. Placez l'interrupteur mural ou "on/off" en position "off."
2. (Si applicable) Sélectionnez OFF sur le récepteur.
3. Coupez l'alimentation électrique de l'appareil s'il faut procéder à l'entretien. NOTE: Le contrôleur peut avoir une batterie de secours (retirer les batteries au besoin).
4. Fermer la valve de gaz principale.



AVERTISSEMENT



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.

TROUBLESHOOTING GUIDE: MILLIVOLT GAS CONTROL SYSTEM

NOTE: Before troubleshooting the gas control system, Ensure external gas shut off valve, located at gas supply inlet, (and wall switch, if applicable), is in the ON position.

NOTE: Valve system troubleshooting should only be performed by a qualified service technician.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Spark igniter will not light pilot after repeated pressing of igniter button. WARNING: if the pilot will not light after 1 minute of attempting, wait for at least 5 minutes for gas to clear before attempting again.	Defective igniter (no spark at electrode).	Check for spark at electrode and pilot; if no spark and electrode wire is properly connected, replace Igniter.
	Defective or misaligned electrode at pilot (spark at electrode).	Using a match, light pilot. If pilot lights, turn off pilot and trigger the igniter button again. If pilot lights, an improper gas mixture caused the bad lighting and a longer purge period is recommended. If pilot will not light - check gap at electrode (igniter rod) and pilot - should be 1/8" to have a strong spark. If gap measures 1/8", replace pilot (see Figure 16 on Page 18).
	Gas supply pressure errant.	Check inlet gas pressure. It should be within the limits as marked on the rating plate.
	Pilot orifice plugged.	Clean or replace pilot orifice.
Pilot will not stay lit after following the lighting instructions.	Defective pilot generator (thermocouple).	Check pilot flame, it must impinge on thermocouple (see Figure 16 on Page 18). Clean and/or adjust pilot for maximum flame impingement on thermocouple. Ensure that the connection between the valve and thermocouple are tight and secure.
Pilot burning, no gas to burner, valve knob ON, wall switch ON.	Limit Switch defective.	Isolate the "limit" switch. Disconnect the wires from the ON/OFF switch and the valve (label wires for reattachment). Test for continuity with a multimeter. If continuity is not indicated, switch is defective and must be replaced.
	Wall switch or wires defective.	Check wall switch and wires for proper connections. Jumper wire across terminals at wall switch, if burner comes on, replace defective wall switch. If okay, jumper wires across wall switch wires at valve, if burner comes on, wires are faulty or connections are bad.
	Thermopile may not be generating sufficient millivolts.	Check thermopile with millivolt meter. Take reading at thermopile terminals of gas valve. Should read 325 millivolts minimum with optional wall switch OFF. Replace faulty thermopile if reading is below specified minimum.
	Plugged burner orifice.	Check burner orifice for stoppage and remove.
	ON/OFF Switch and *Remote Switch are in the ON position resulting in excessive resistance.	When turning on the burner using a *remote switch, ensure that the unit mounted (optional) ON/OFF switch is in the OFF position. If both switches are in the ON position, it may result in excessive resistance (and millivolt drainage) and the burner may not come on.
Frequent pilot/burner outage problem.	Pilot flame may be too low or blowing (high) causing the pilot/valve safety to drop out.	Clean and/or adjust pilot flame for maximum flame impingement on thermocouple (see Figure 16 on Page 18).

TROUBLESHOOTING GUIDE: ELECTRONIC GAS CONTROL SYSTEM

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

NOTE: Valve system troubleshooting should only be performed by a qualified service technician.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Nothing happens when the fireplace is turned ON/OFF.	Remote control system is not functioning properly.	To use the remote control system, the wall switch plate must be set to REMOTE.
		Manually operate the fireplace using the wall switch (ON/OFF).
		Replace the batteries in the handheld remote and/or behind the wall switchplate.
	Unit is not receiving power.	Check/replace batteries behind the wall switchplate.
		Replace unit battery backup.
		Check building circuit breakers to ensure power is on to the fireplace.
	Gas is not reaching the fireplace.	Check the gas supply and gas shutoff valves (call a service technician, if required).*
The main burner does not light and the igniter is sparking.	Gas is not reaching the fireplace.	Check the gas supply and gas shutoff valves (call a service technician, if required).*
	Unit is not receiving power.	Replace unit battery backup.
	Loose wires to the valve.	Check control compartment for any obvious loose wiring (call a service technician).
	Loose wires to ignition module.	Check control compartment for any obvious loose wiring (call a service technician).
	Air in the gas line.	Purge gas line of air (call a service technician).
The burner lights, then immediately goes out.	Gas is not reaching the fireplace.	Check the gas supply and gas shutoff valves (call a service technician, if required).*
	Loose wires to the valve or ignition module.	Check the gas supply and gas shutoff valves (call a service technician, if required).*
	Pilot flame is not engulfing the sensor.	Call a service technician.
	Obstructed vent system.	Call a service technician.
Soot is present on the glass and panels.	Initial fireplace operation.	A white film may develop on the glass during the first few fires as part of the burn-in process. The first few times you use the fireplace, clean the glass after each use (AFTER THE GLASS HAS COMPLETELY COOLED); otherwise, the white film will bake onto the glass and become difficult to remove. See glass cleaning instructions in the MAINTENANCE section of this manual.
	Excessive flame impingement on panels and fireplace ceiling.	Properly position the media as detailed in the instructions provided with the Media Kit.
	Improper air shutter opening.	Open the air shutter by adjusting the air shutter adjustment lever according to the instructions in this manual.
	Improper vent restrictor setting.	Open the air shutter by adjusting the air shutter adjustment lever according to the instructions in this manual.
Poor flame and/or blue flame.	Door seal is not properly aligned, causing gaps and air leaks.	Remove and realign the door so the gasket seal is fully engaged around the door frame.
	Air shutter not correctly set.	Adjust air shutter as instructed on Pages 17 and 18 .
*The unit may have multiple gas supply shutoffs (main gas supply valve in house, gas supply valve in fireplace control compartment, and/or additional shutoff valve near fireplace).		

REPLACEMENT PARTS LIST

Item No.	Description	MPB33		MPB35		MPB40		MPB45	
		Part No.	Qty.	Part No.	Qty.	Part No.	Qty.	Part No.	Qty.
1	Hood	H4574	1	97K51	1	97K52	1	97K53	1
2	Louver Assembly, Top Panel	H4577	1	H6337	1	H2727	1	H3146	1
3	Louver Assembly, Lower Panel	H4578*	1	H6344*	1	H6345*	1	H6346*	1
4	Enclosure, Glass Front (Complete)	H3889	1	H3881	1	H3941	1	H3892	1
5	Nameplate (Brand)	12L15	1	12L15	1	12L15	1	12L15	1
6	Door Latch Spring	69L21	1	69L21	1	69L21	1	69L21	1
7	Catch, Door, Magnetic	69L31	2	69L31	2	69L31	2	69L31	2
8	Log Set (Complete)	24M15	1	H6197	1	24M25	1	24M25	1
9	Burner Assembly	H8585	1	H8585	1	H8587	1	H8587	1
10	Grate Assembly	H6526	1	H6526	1	H6314	1	H6314	1
11	Orifice, Main Burner - Natural Gas	99K74	1	60J80	1	99K76	1	24M10	1
11	Orifice, Main Burner - LP Gas	99K78	1	19L52	1	21L01	1	37G00	1
12	Bag Of Embers (Rockwool)	88L53	1	88L53	1	88L53	1	88L53	1
13	Bag Of Decorative Volcanic Stone	80L42	1	80L42	1	80L42	1	80L42	1
14	Gas Line Flexible Connector	93L32	1	93L32	1	93L32	1	93L32	1
15	Safety Limit Switch (High Limit Disc)	62L16	1	62L16	1	62L16	1	62L16	1

Gas Controls - SIT Millivolt					
Item No.	Description	Natural Gas		Propane Gas	
		Part No.	Qty.	Part No.	Qty.
16	Gas Valve, SIT	H6209	1	88J53	1
17	Piezo Igniter	10K86	1	10K86	1
18	Pilot Assembly	69L17	1	69L18	1
19	Pilot Generator	60J79	1	60J79	1
20	Thermocouple	74L57	1	74L57	1
21	Pilot Tube	74L56	1	74L56	1
22	Electrode And Cable	H6212	1	H6212	1
23	Pilot Shield	H8853	1	H8853	1

Gas Controls - SIT Electronic					
Item No.	Description	Natural Gas		Propane Gas	
		Part No.	Qty.	Part No.	Qty.
24	Gas Valve, SIT	H8844	1	H8594	1
25	Pilot Assembly	H7268	1	H7269	1
Not Shown	Pilot Shield	H8853	1	H8853	1
27	Transformer	H8006	1	H8006	1
28	Digital Flame Control Module	H7272	1	H7272	1
29	Battery Holder	H8803	1	H8803	1
30	DFC Wiring Harness	H8601	1	H8601	1
31	CPI On/Off Switch	27K30	1	27K30	1

* Lennox Nameplate Logo, 12L15, is not included.

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.

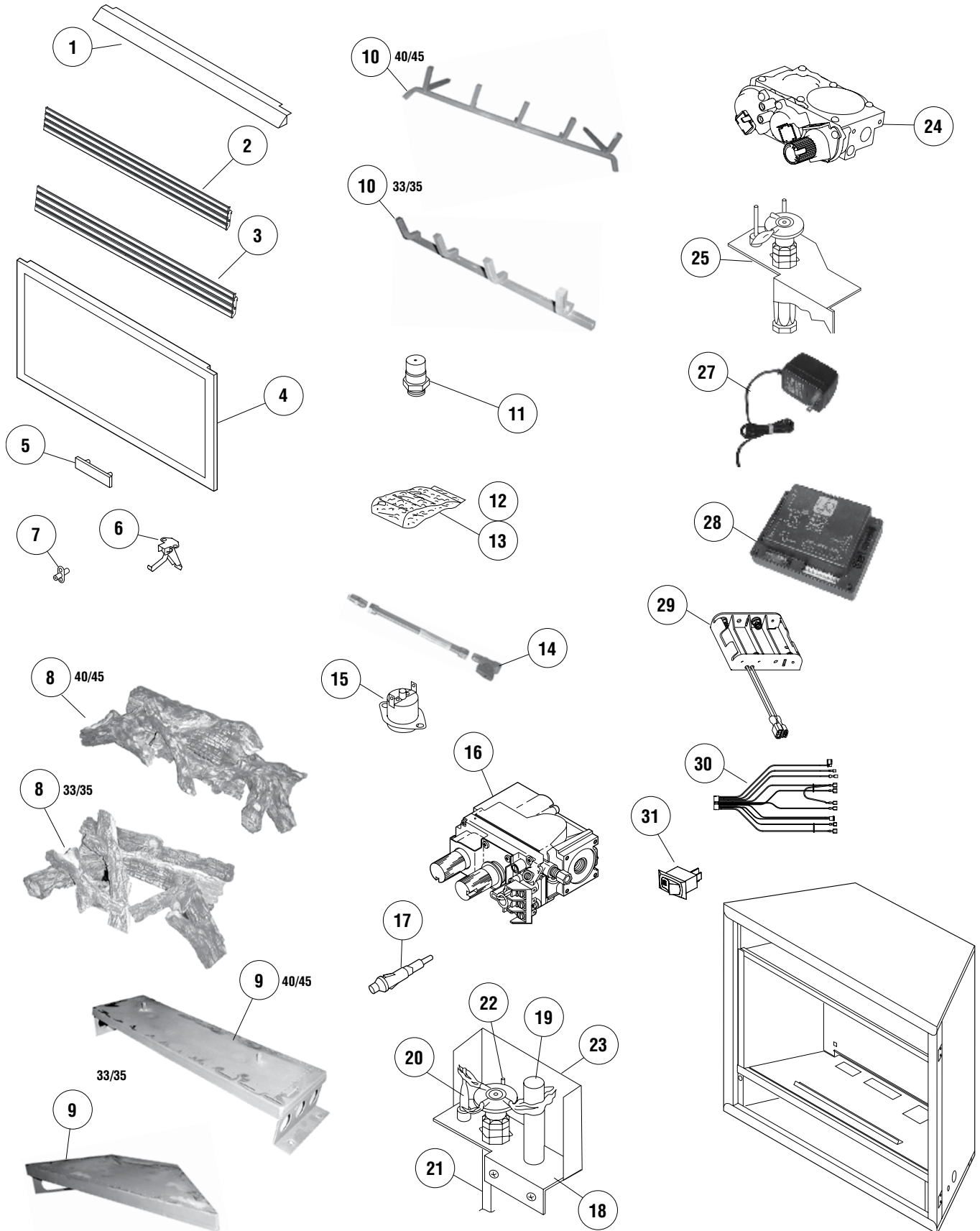
WARNING

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.

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.

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