



HEARTH PRODUCTS

P/N 875031M Rev. E 01/2011

This manual is part of a set of two supporting this product. Refer to P/N 850033M for Installation Instructions.

Ce manuel est disponible en français, simplement en faire la demande. Numéro de la pièce 875031CF.

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CARE AND OPERATION INSTRUCTIONS

MPB B-Vent Gas Fireplaces

MERIT™ Plus SERIES

MODELS

MILLIVOLT:

MPB3328CNM-B MPB3530CPM-B
MPB3328CPM-B MPB4035CNM-B
MPB3530CNM-B MPB4540CNM-B

ELECTRONIC:

MPB3328CNE-B MPB4035CNE-B
MPB3530CNE-B MPB4540CNE-B



OTL Report No. 116-F-36-5



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.

• 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 **1-800-786-7976** or visit **www.lennox.com** (Lennox Hearth Products / Owner Resources)

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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.

CERTIFIED
 www.nficertified.org

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:

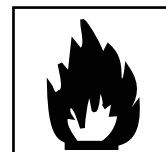
- **The surfaces on your fireplace get EXTREMELY HOT!**

- **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]

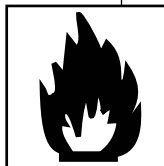
La sécurité et votre foyer

**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. Replacement of the glass should be done by a licensed or qualified service person .
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. Confiez le remplacement du panneau à un technicien agréé
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 et toute commande qui a été plongée dans l'eau.
3. 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.
4. 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.
5. On ne devrait pas placer de vêtements ni d'autres matières inflammables sur l'appareil ni à proximité.
6. 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.
7. Tout écran ou protecteur retiré pour permettre l'entretien de l'appareil doit être remis en place avant de mettre l'appareil en marche.
8. 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. Un técnico de servicio licenciado o capacitado debe reemplazar el vidrio.
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 de control y cualquier control de gas que haya estado bajo agua.
3. Debido a las altas temperaturas, el artefacto debe situarse fuera de las áreas de tráfico y lejos del mobiliario y cortinas.
4. Se debe alertar a los niños y adultos sobre los peligros de las altas temperaturas en la superficie y que se mantengan alejados para evitar quemaduras o ignición de la ropa.
5. No debe colocarse ropa u otros materiales inflamables sobre y cerca del artefacto.

6. Se debe supervisar de cerca a los niños cuando estén en el mismo cuarto que el artefacto. Los niños pequeños, los jóvenes y otras personas pueden ser susceptibles a quemaduras por contacto accidental. Se recomienda instalar una barrera física si hay personas en riesgo en la casa. Para restringir el acceso a una chimenea o estufa, instale una puerta de seguridad ajustable para mantener a los niños pequeños, jóvenes y otras personas en riesgo fuera del cuarto y lejos de las superficies calientes.
7. Cualquier malla o resguardo de seguridad quitado para dar servicio a un artefacto, debe reinstalarse antes de operar el artefacto.
8. 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
1-800-9-LENNOX

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

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
1-800-9-LENNOX

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

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
1-800-9-LENNOX

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

SAFETY LABEL DIAGRAMS



DIAGRAMMES DES ÉTIQUETTES DE SÉCURITÉ



DIAGRAMAS DE ETIQUETAS DE SEGURIDAD



Figure A



Figure B



General Information

The **Millivolt** appliances have a millivolt gas control valve with piezo ignition system.

The **Electronic** appliances have an electronic intermittent pilot ignition system. External electrical power is required to operate these units.

These appliances comply with National Safety Standards and are tested and listed by OMNI-Test Laboratories, Inc. (Report No. 116-F-36-5) to ANSI Z21.50 (in Canada, CSA 2.22), and CAN/CGA-2.17-M91 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/CSA 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, CSA C22.1 - latest editions.

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.

These fireplaces are designed as supplemental heaters. Therefore, it is advisable to have an alternate primary heat source when installed in a dwelling.

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

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

INSTALLATION, SERVICE, AND MAINTENANCE

IMPORTANT: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual.

For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

Only trim kit(s) supplied by the manufacturer shall be used in the installation of this appliance.

Draft relief openings must not be covered or blocked.

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

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

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.

OPERATION

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.

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

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

WARRANTY

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

Do not attempt to alter or modify the construction of the appliance or its components. **Any modification or alteration may void the warranty, certification, and listings of this unit.**

Millivolt Models - BTU Input

Millivolt models come standard with the manually-modulated gas valve; flame appearance and heat output can be controlled at the gas valve. Input of for these models is shown in **Table 1**.

Millivolt Models with Manually-Modulated Gas Valve		
	Natural Gas	Propane Gas
Model	Input Rate (BTU/HR)	Input Rate (BTU/HR)
MPB3328	13,500 to 17,500	13,500 to 17,500
MPB3530	16,000 to 20,000	16,500 to 20,000
MPB4035	24,000 to 30,000	22,300 to 28,000
MPB4540	24,750 to 31,000	23,000 to 29,000

Table 1

Electronic Models -

Electronic models have a fixed rate gas valve. Input of electronic models is shown in **Table 2**.

Electronic Models with Fixed-Rate Gas Valve		
	Natural Gas	Propane Gas
Model	Input Rate (BTU/HR)	Input Rate (BTU/HR)
MPB3328	17,500	17,500
MPB3530	20,000	20,000
MPB4035	30,000	28,000
MPB4540	31,000	29,000

Table 2

Gas Pressure - All Models

Tables 3 and 4 show the appliances' inlet and manifold gas pressure requirements:

Inlet Gas Supply Pressure (all models)		
Fuel #	Minimum	Maximum
Natural Gas	5.0" WC (1.24 kPa)	10.5" WC (2.61 kPa)
Propane	11.0" WC (2.74 kPa)	13.0" WC (3.23 kPa)

Table 3

Manifold Gas Supply Pressure (all models)		
Fuel #	Low (millivolt only)	High
Natural Gas	(Lo) 2.2" WC (0.55 kPa)	(Hi) 3.5" WC (0.87 kPa)
Propane	(Lo) 6.3" WC (1.57 kPa)	(Hi) 10.0" WC (2.49 kPa)

Table 4

Test gauge connections are provided on the front of the millivolt gas control valve (identified OUT for the manifold side and IN for inlet pressure). A 1/8" NPT test gauge connection is provided on the electronic gas control valve adjacent to the outlet to the main burner.

These appliances must be isolated from the gas supply piping system (by closing their individual manual shut-off valve) during any pressure testing of the gas supply piping system at test pressures equal to or **less than** 1/2 psig (3.5 kPa).

These appliances and their individual shut-off valves must be disconnected from the gas supply piping system during any pressure testing of that system at pressures **greater than** 1/2 psig (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 5**). 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/CSA-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/CSA-B149.1 - latest edition.

NOTE: Flame appearance will diminish 4% per thousand feet.

Burner Orifice Sizes Elevation 0-4500 feet (0-1372 meters)		
Models	Natural Gas drill size (inches)	Propane Gas drill size (inches)
MPB-3328	#47 (.0785") * 39L66 •	1.2mm (.048") * 99K78 •
MPB-3530	#44 (.086") * 60J80 •	#55 (.052") * 19L52 •
MPB-4035	#37 (.104") * 24M10 •	1/16" (.0625") * 21L01 •
MPB-4540	#36 (.1065") * 18L40 •	#52 (.0635") * 37G00 •

Table 5 * Standard size installed at factory
• Part /Cat. Number

Burn-in Period

During the first few fires of 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.

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

OPERATION AND CARE OF YOUR APPLIANCE

WARNING

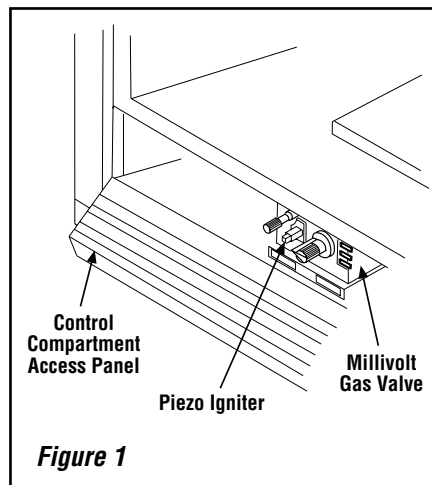
Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, 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

The gas controls can be found behind the control compartment access panel. To open the control compartment access panel, actuate the spring loaded magnetic catches securing the panel. First, gently depress the upper right top corner of the panel until the magnet catch "pops" the door free. Then, gently pulling the panel forward, disengage the left magnet catch and allow the panel to swing down to open.



On millivolt systems, the piezo igniter, HI/LO flame adjustment knob, and pilot and main gas OFF/ON control knob are located below the glass panel enclosure. The gas valve for electronic systems is also located below the glass enclosure panel. See **Figure 1**.

Operation of millivolt and electronic gas control systems are different. Before lighting and operating your appliance determine if you have a millivolt or electronic appliance. Familiarize yourself with the gas control valve that your appliance uses. Refer to **Figure 1** for access to the gas control valve.

Millivolt Appliances - Appliances with Millivolt systems will be fitted with the gas control valve shown in **Figure 2**.

Electronic Appliances - Appliances with electronic systems will be fitted with the electronic valve shown in **Figure 3**.

Millivolt Appliances -

To light millivolt appliances refer to **Figure 1**. Detailed lighting instructions are found on **Pages 24 and 25**. Millivolt appliance lighting instructions may also be found on the pull out lighting instruction labels attached to the gas control valve.

Once the pilot is lit, the main burner may be turned ON and OFF using a wall switch, remote control, unit-mounted rocker switch, or wall thermostat. To operate: Toggle the switch between its ON and OFF positions.

If your millivolt appliance is equipped with an optional remote switch kit (wall switch, remote control, wall thermostat or unit mounted rocker switch) and the pilot is lit, the appliance main burner may be turned on and off using the optional switch.

Note: To prevent excessive resistance in burner circuit (which can cause burner operation problems), only one burner control switch should be wired to valve.

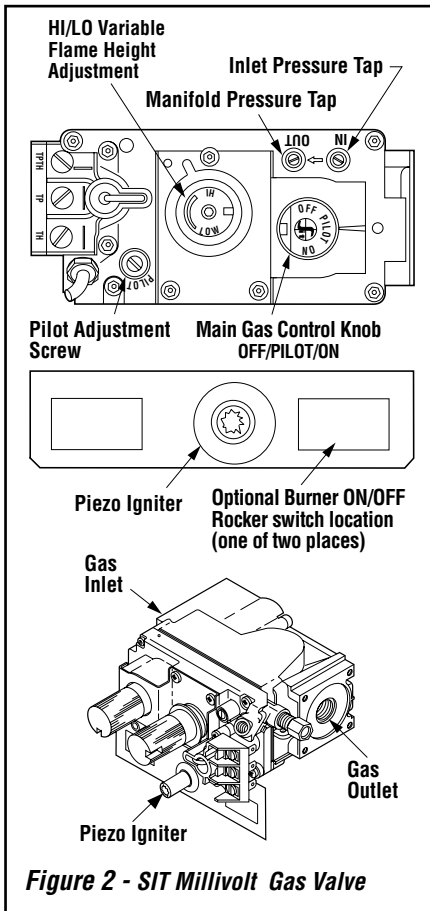


Figure 2 - SIT Millivolt Gas Valve

Electronic Appliances -

To light electronic appliances refer to the detailed lighting instructions found on **Pages 26 and 27** of these instructions. Electronic appliance lighting instructions may also be found on the pull out lighting instruction labels attached to the gas control valve.

If your electronic appliance is equipped with an optional remote wall switch, unit mounted on/off switch or remote control kit, the appliance main burner may be turned on and off with the optional switch.

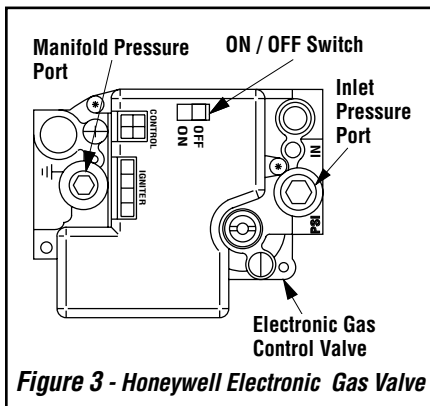


Figure 3 - Honeywell Electronic Gas Valve

Variable Flame Height Adjustment (Millivolt Appliances only)

All Millivolt 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 while the appliance is in operation. Adjust the flame height as desired after lighting the appliance by rotating the variable adjustment control knob (HI/LO) located on the front of the valve (refer to **Figure 2**).

Vent Operation Test and Safety Limit Switch Operation

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, that is, with the glass enclosure panel in place.
- 2 - Close all doors and windows in the room. Turn on all exhaust fans in the house.
- 3 - Light the appliance.
- 4 - Wait 15 minutes.
- 5 - To check for venting action, start by holding a smoke producing device within an inch of one edge (side edge, not top or bottom edge) of the glass enclosure panel. The smoke should be drawn toward the edge of the glass enclosure panel. 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 towards the edges of the glass door turn off the appliance and call a qualified service technician.**

Manual-Reset Safety Limit Switch

This appliance is equipped with a manual reset blocked flue safety limit switch. Refer to **Figure 5 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 the operation of this safety limit switch. **First allow the appliance to cool.** Remove top louver panel. Then reset the safety limit switch by pushing the red reset button, located between the wire terminals, on the back of the switch. See **Detail A of Figure 4** for location.

The appliance should then relight and remain lit. Reinstall top louver panel. If the appliance does not relight, **turn off the appliance and call for a qualified service technician.**

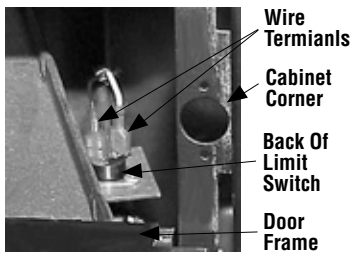
TO REPLACE THE BLOCKED FLUE SAFETY LIMIT SWITCH

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

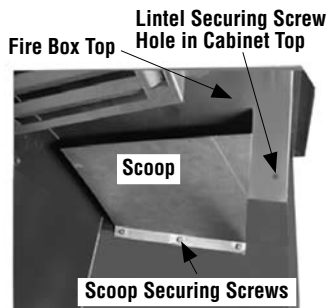
Important - Turn electrical power off before beginning this procedure.

For steps 1-10 below, refer to Figure 4 on Page 10 (Details B and C):

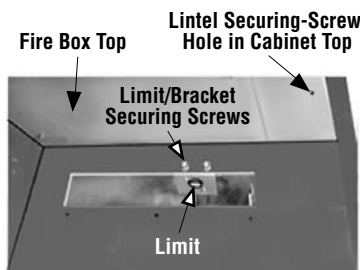
- 1 - Lower the bottom control compartment access panel. Remove the glass enclosure panel: open the latch (located in the center of the unit front opening, under the firebox floor) securing the glass enclosure panel. Remove the panel by tilting it outward at the bottom and lifting it up. Set the door aside protecting it from inadvertent damage. See **Figure 6 on Page 12**.
- 2 - Remove the lintel securing screws (3) and then remove the lintel. One of the lintel cabinet top holes is shown in **Figure 4 (Detail B)**.
- 3 - Remove the scoop securing screws (3) and then remove the scoop. See **Figure 4 (Detail B)**.
- 4 - Remove the safety switch bracket securing screws (2), and pull the switch/bracket assembly, with low voltage wires attached, through the side panel slot into the firebox. See **Figure 4 (Detail C)**.
- 5 - Replace the switch.
- 6 - Reinstall the switch/bracket assembly.
- 7 - Reinstall the scoop and lintel.
- 8 - Reinstall the glass enclosure panel.
- 9 - Raise the bottom control compartment access panel.
- 10 - The appliance should then relight and remain lit. If this does not occur, check unit for a blocked flue condition.



Detail A



Detail B



Detail C

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

Figure 4

Outside Combustion Air Controls

Many appliances are equipped, when installed, with an outside (make-up air) vent system that is designed to provide the appliance with outside make-up air for combustion when 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. Refer to **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 fireplace bottom 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 distributor to have your appliance inspected for the presence of the complete system. **DO NOT** assume that you have this system in place.

To open the outside air shutter, open the bottom control access panel, reach into 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 it when not in use will prevent outside cold air from entering the dwelling.

⚠ WARNING

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



Air Shutter in Closed Position



Air Shutter in Open Position

Combustion Air Control Lever and Securing Screw Location

Figure 5

MAINTENANCE

(See Maintenance Schedule, *Page 28*)

Refer to the maintenance schedule for maintenance tasks, procedures, 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 re-lighting, refer to the lighting instructions in this manual. Instructions are also found on a pull-out panel located in the control compartment.

Inspect Venting System

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

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

Cleaning Glass

(see *Front Glass Enclosure Panel, Removal and Installation* on *Page 12*).

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

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

The viewing glass should be cleaned periodically to remove any build-up caused from the following:

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

It is recommended that the glass be cleaned two or three times during each heating season, depending on the circumstances present. 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 backside of the glass enclosure panels. The gasket surface must be clean, free of irregularities and seated firmly.

Clean Control Compartment

Keep control compartment clean by vacuuming or brushing at least twice a year. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is important 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 the 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 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 31* for ordering information).

Re-Install Embers, Logs and Vermiculite

Carefully follow placement instructions on *Pages 12 to 16*. All logs should fit onto corresponding pins and/or log stoppers. This will ensure a proper flame and safe combustion.

Inspect Wiring

Refer to wiring diagrams 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
- OFF/ON Switch (optional unit mounted switch)
- Remote Control or Remote Wall Switch Kit (optional control switch)

Inspect Burner Flame Appearance

Ensure that the burner flame appearance resembles the flame shown in *Figure 13, 14 or 15* and as described in *Flame Appearance and Sooting* on *Page 17*. The homeowner must contact a qualified service technician at once if any abnormal condition is observed.

Small Area Paint Touch-up

Only use a factory supplied paint kit for touch-ups. Paint is available at your local authorized Lennox Hearth Products dealer. Never attempt to paint a hot fireplace.

If the surface later becomes stained or marred, it may 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(s) of this appliance must only be replaced as a complete unit as provided by the manufacturer. Do not attempt to replace broken, cracked or chipped glass separately.
- Do not attempt to touch the front enclosure glass with your hands while the 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.

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

These appliances are designed to operate only with the front glass enclosure panel properly installed. Generally, the glass enclosure panel should not be removed except to gain access to the components within the firebox, and the appliance may only be operated without the front glass enclosure panel in place for very brief periods of time during initial appliance checkout and adjustment.

Removing Glass Enclosure Panels (see *Figure 6*)

1. Remove the top louver assembly or radiant panel.
2. Open the hinged drop-down control compartment access panel.
3. Locate the latch at the top of the control compartment and disengage it from the door frame bottom Vee-flange, pulling down on its handle to open it.
4. Swing the bottom of the door out and raise it slightly to lift the top flange of the door frame away from the appliance.

Installing Glass Enclosure Panels (see *Figure 6*)

1. Retrieve the glass door frame. Visually inspect the gasket on the backside of the panel. The gasket surface must be clean, free of irregularities and seated firmly.
2. Position the door frame in front of the firebox opening and engage the top flange over the lip at the top of the firebox opening.
3. Swing the door down and back. Ensure the gasket seats evenly as the door draws shut. Engage the Vee-flange at the bottom of the door with the latch and close the latch to secure the door.
4. Reinstall the top louver assembly or radiant panel.

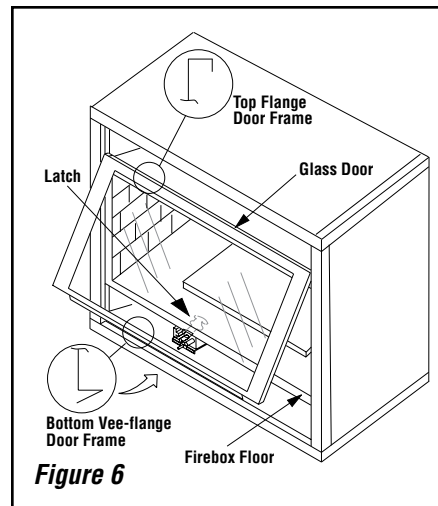


Figure 6

Installing Vermiculite, Volcanic Stone, Glowing Embers And Logs

⚠ WARNINGS

- **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, soot-ing, 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, vermiculite, embers and logs.
- This appliance is not designed to burn wood. Any attempt to do so could cause irreparable damage to 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.

Initial Installation Considerations

The packaged logs are located within the firebox. The decorative volcanic stone and glowing embers are packaged separately in plastic bags located in the control area of the fireplace.

If the logs are being installed for the first time, the following paragraphs apply:

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.

Proper twig placement is critical to prevent sooting. Twigs should be placed in the gaps between the flame peaks and should be positioned so that at no time they impinge the flames.

Step 1. Remove the appliance front door.

Step 2. Remove the log set from the interior of the fireplace.

Step 3. Remove the logs from their packaging. **Handle logs carefully to prevent breakage.**

Step 4. MPB-4035 & MPB-4540 Models - Remove the restraining strap from the grate tines. Ensure the grate is fully inserted into the holes on the firebox rear panel and over the indents on the firebox floor.

Glowing Embers, Vermiculite, Decorative Volcanic Stone And Log Placement Instructions:

Step 1. Separate the Glowing Embers (Rockwool) into pieces about the size of a quarter (*see Figure 7*). Keep the pieces fluffed up, not matted.

MPB-3328 & MPB-3530 Models -

Distribute these pieces over the burner as shown in *Figure 8*. Do not use more than is shown. The glowing embers should not be placed directly over the large burner slots as shown in *Figure 8*.

MPB-4035 & MPB-4540 Models -

Place the center log (Log No. 1) on the burner as shown on *Page 16*. Distribute the glowing ember pieces at the front of the burner as shown in *Figure 9*. Do not use more than is shown. The glowing embers should not be placed directly over the large burner slots as shown in *Figure 9*.

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 (Catalogue Number 88L53).

Step 2. Mound up a portion of the vermiculite (light colored material) in front of the burner and grate. Sprinkle the dark colored decorative volcanic stone on top of the vermiculite in a pleasing pattern. For best results, spread in a non-uniform manner while ensuring complete coverage of the black sheet metal surface.

See *Figure 8 - MPB-3328 or MPB-3530, or Figure 9 - MPB-4035 or MPB-4540 models*.

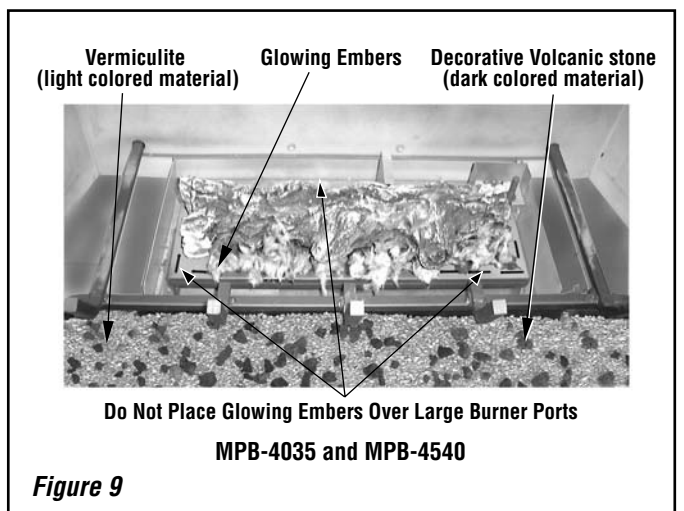
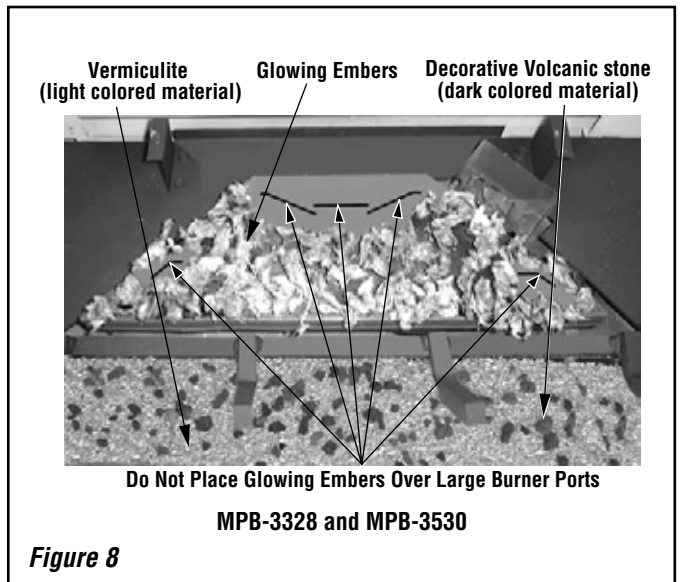
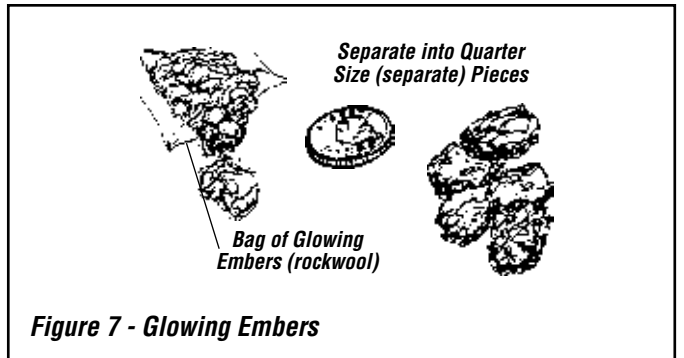
Note: Do Not place vermiculite or decorative volcanic stone on top of the gas burner where it will block the burner ports.

Step 3. Position the individual logs as described on *Pages 14 (MPB-3328), 13 (MPB-3530) or 14 (MPB-4035 and MPB-4540)*.

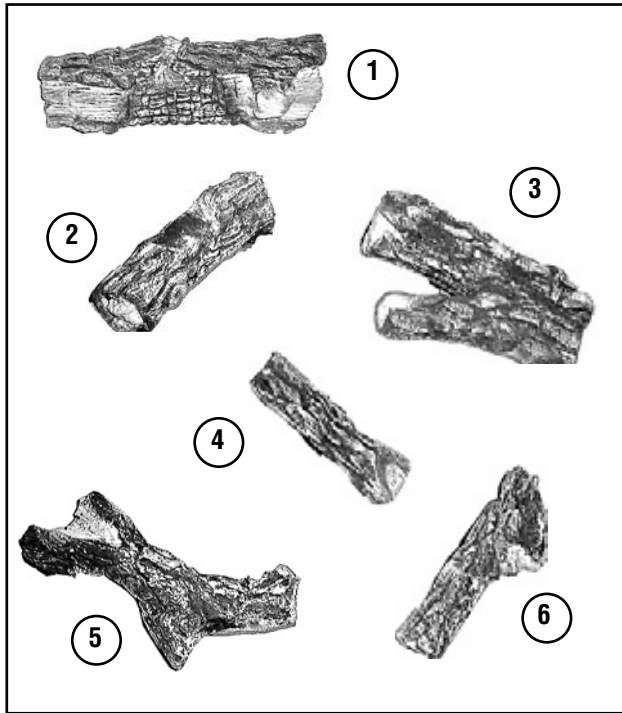
Note: Your application may not require the use of all of the provided vermiculite, or decorative volcanic stone. Replacement vermiculite, volcanic stone and glowing embers is available (see below for ordering information).

REFERENCE Firebox Accessories / Parts		
Cat. No.	Model No.	Description
88L53	FGE	Bag of Glowing Embers
H6319		Vermiculite, Bag
80L42	FDVS	Bag of Decorative Volcanic Stone

Table 6



MPB-3328 LOG PLACEMENT



LOG SET Catalog Number 24M15	
* Item	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)
<i>* Item numbers above correspond to photos</i>	

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.

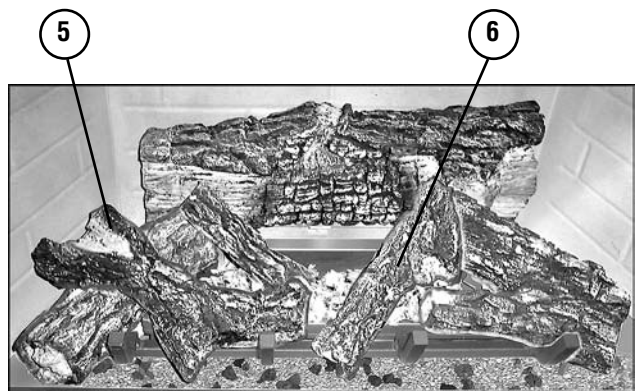
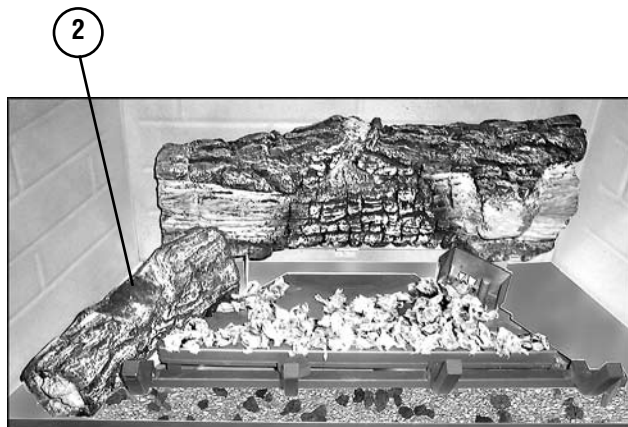
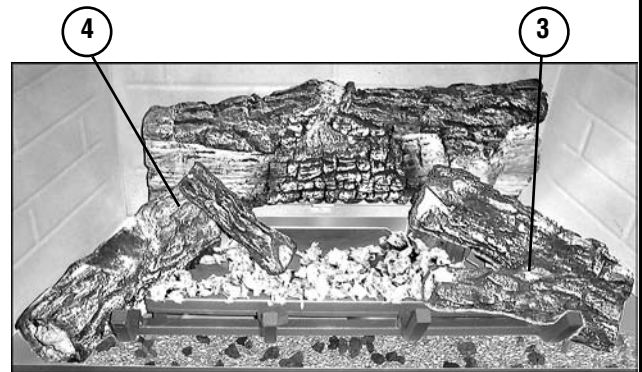
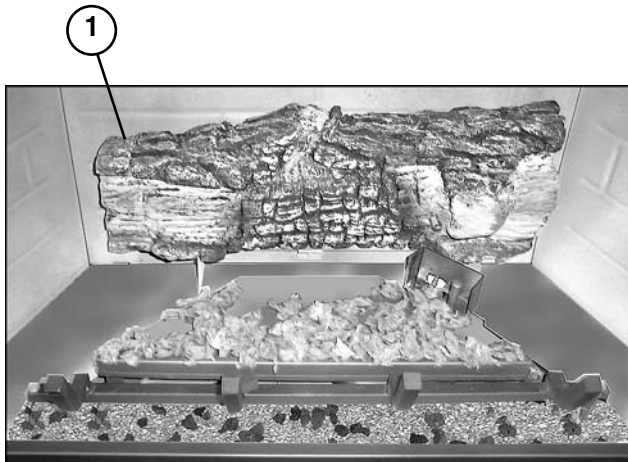
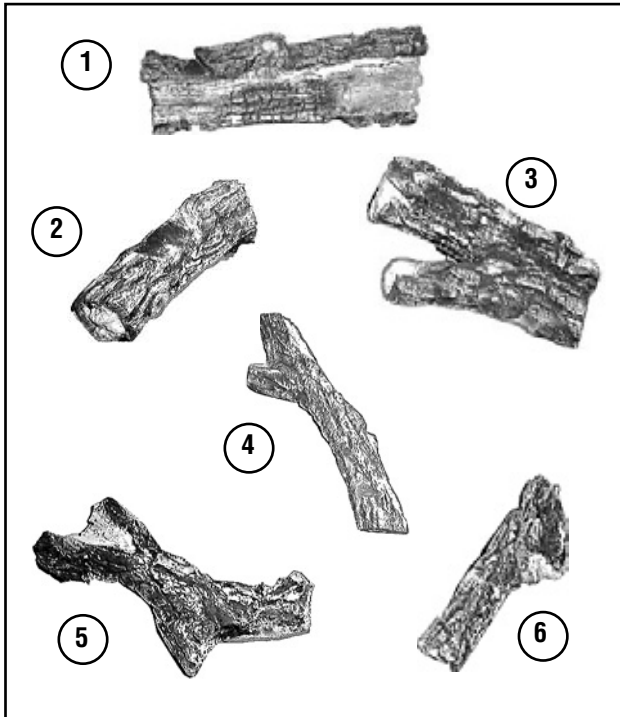


Figure 10

MPB-3530 LOG PLACEMENT



LOG SET Catalog Number 24M22	
* Item	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)

** Item numbers above correspond to photos*

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.

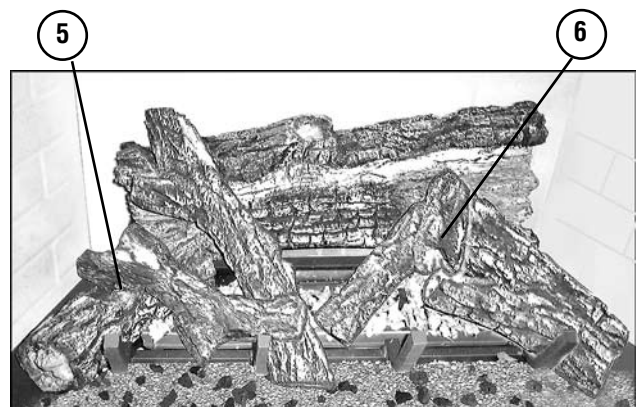
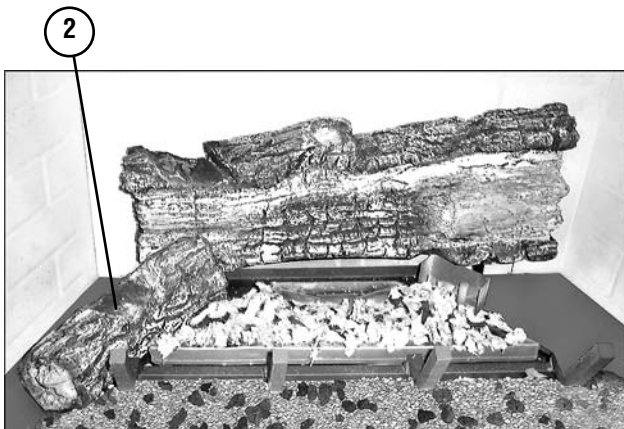
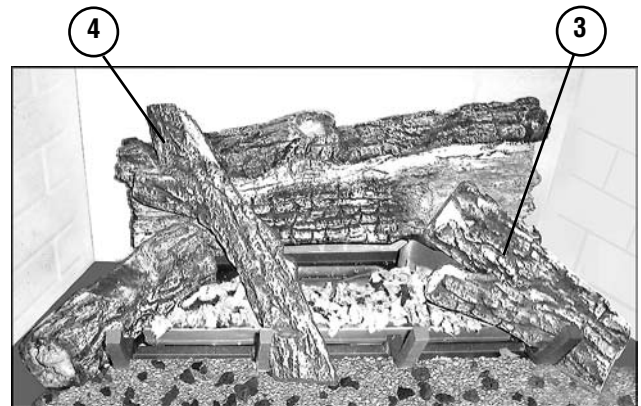
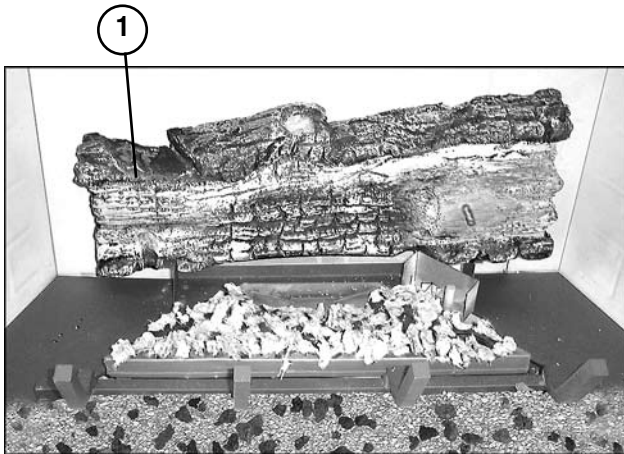
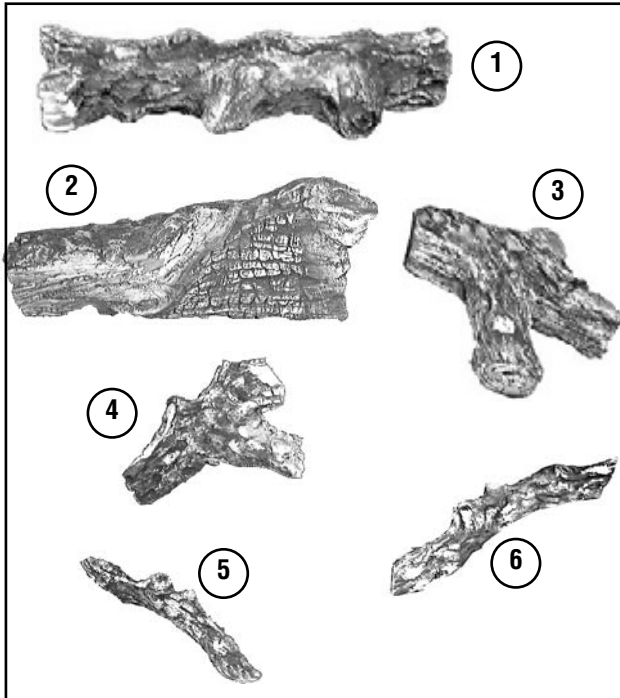


Figure 11

MPB-4035 & MPB-4540 LOG PLACEMENT



LOG SET Catalog Number 24M2501	
* Item	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)

* Item numbers above correspond to photos

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 9**. Place the rear log, both the right and left, and then the smaller left and right top logs. All logs that have notches should be positioned with these notches 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.

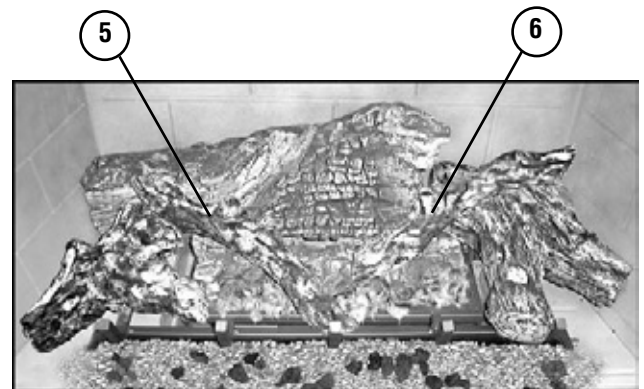
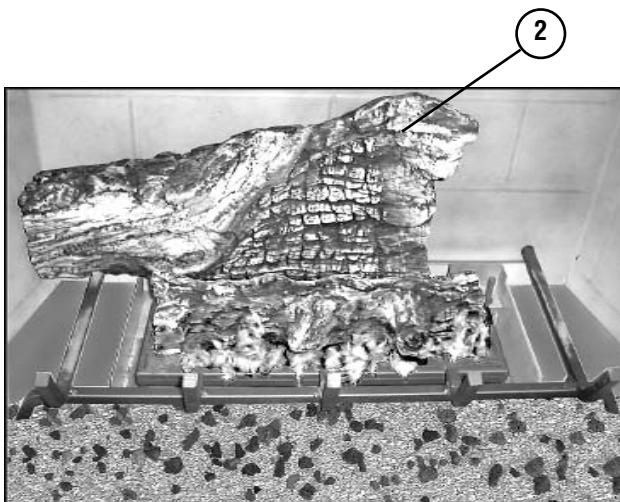
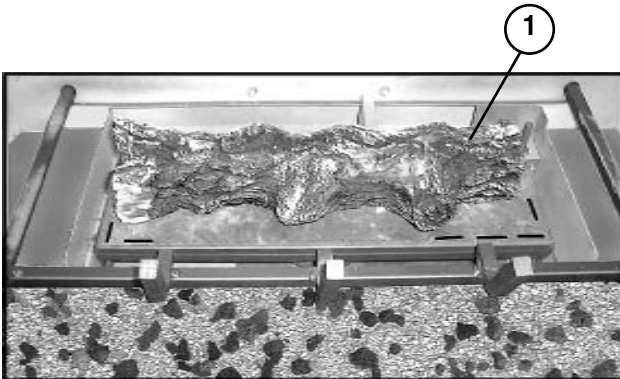


Figure 12

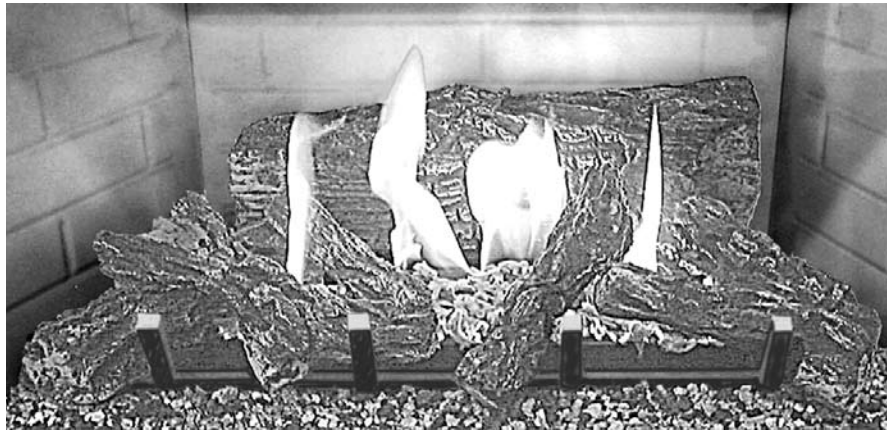


Figure 13 Burner Flame Appearance - Model MPB-3328

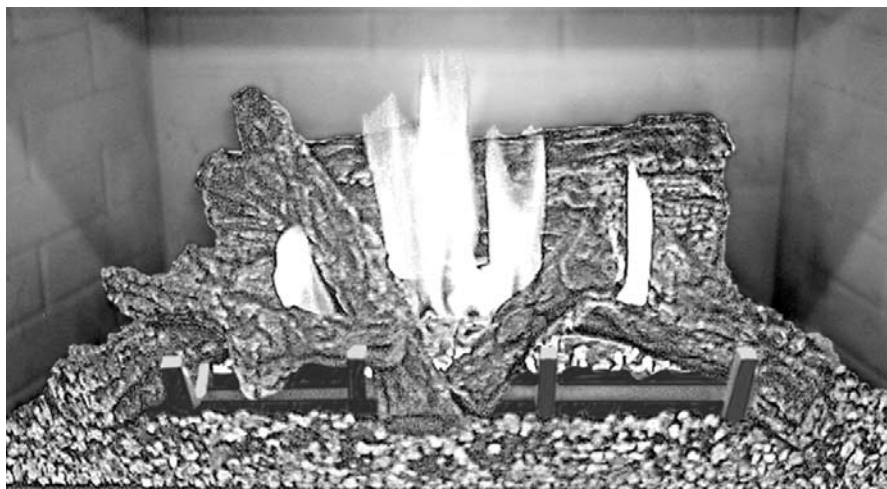


Figure 14 Burner Flame Appearance - Model MPB-3530

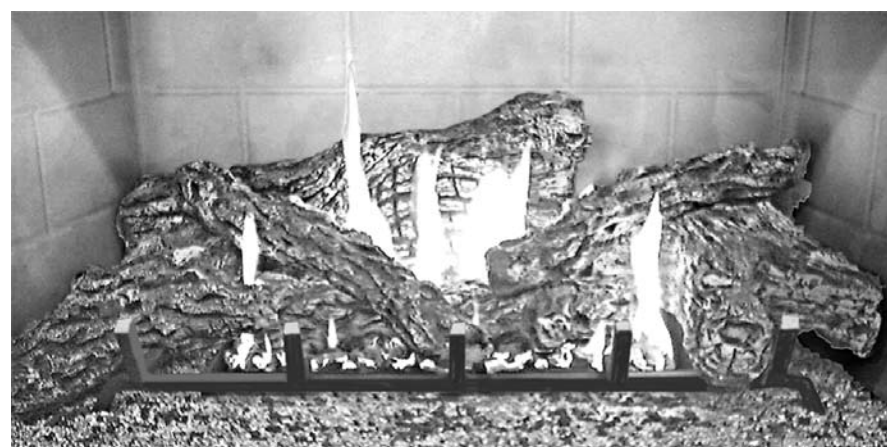


Figure 15 Burner Flame Appearance - Model MPB-4035 & MPB-4540

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. After 15 minutes of operation, if the flame is 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.
- If there are offsets in the vent system, the air shutter opening may need to be increased.
- 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 open 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

Burner Air Shutter Adjustment Procedure

⚠️ WARNINGS

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

⚠️ CAUTIONS

- will be produced if the air shutter is closed too much. Any damage due to carboning 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 Adjustments

Note - The air shutter for the burner primary air opening is factory-set. Do not adjust the factory-set position. The factory-set position is shown in **Figure 16**.

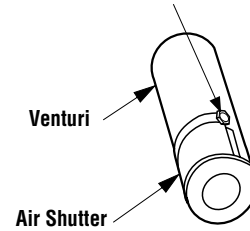
Main Burner Factory Air Shutter Opening Setting - Inches (millimeter)

Model	Natural Gas	Propane Gas
MPB-3328	Fully Closed	3/16" (4.76 mm)
MPB-3530	Fully Closed	3/16" (4.76 mm)
MPB-4035	Fully Closed	3/16" (4.76 mm)
MPB-4540	Fully Closed	3/16" (4.76 mm)

Figure 16

Burner Air Shutter Adjustment

Setscrew - Factory located in the natural gas position; relocate set screw for LP/propane gas in the alternate position. See table for air shutter openings for these setscrew locations.



Ref. Air shutter Patent:
U.S. Pat. 5,553,603

SIT Millivolt Appliance Checkout

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" min (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 (**Figure 17**).

To light the burner, refer to the lighting instructions on **Pages 24 and 25**.

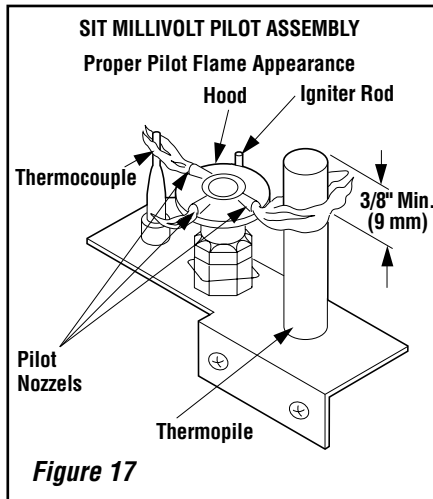


Figure 17

Electronic Appliance Checkout

To light the burner, refer to the lighting instructions on **Pages 26 and 27**. Ensure the igniter lights the pilot. The pilot flame should engulf the flame sensor as shown in **Figure 18**.

ELECTRONIC PILOT ASSEMBLY Proper Pilot Flame Appearance

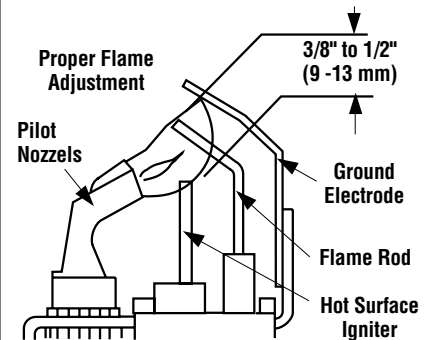


Figure 18

WARRANTY

Your gas appliance is covered by a limited twenty 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.

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 Lennox Hearth Products distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

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

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

LENNOX HEARTH PRODUCTS
1508 Elm Hill Pike, Suite 108
Nashville, TN 37210
visit us at www.Lennox.com
1-800-9-LENNOX

PRODUCT REFERENCE INFORMATION

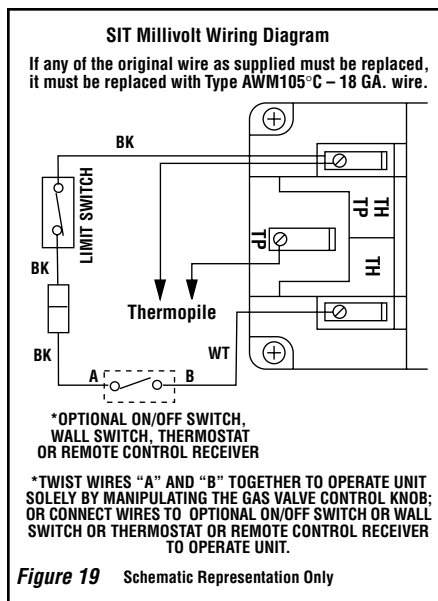
We recommend that you record the following important information about your fireplace. Please call Lennox Hearth Products for the phone number of your nearest Lennox Hearth Products dealer who will answer your questions or address your concerns.

Your Fireplace's Model Number _____
Your Fireplace's Serial Number _____
The Date On Which Your Fireplace Was Installed _____
The Type of Gas Your Fireplace Uses _____
Your Dealer's Name _____

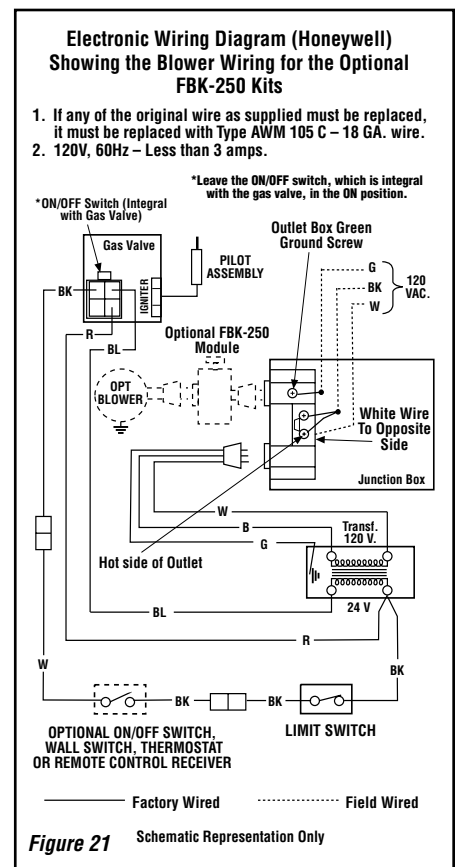
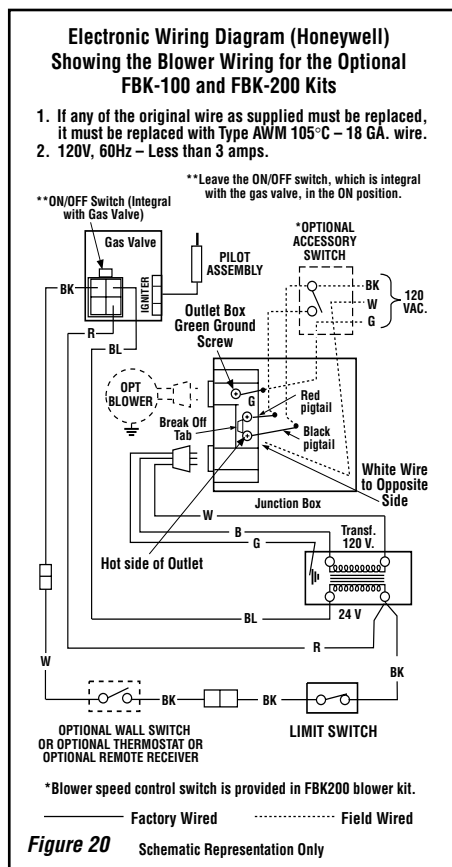
WIRING DIAGRAMS

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 PEU-VENT ENTRAÎNER UN FONCTIONNEMENT INADÉQUAT ET DANGEREUX.



NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

ACCESSORY COMPONENTS

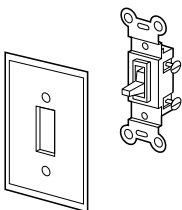
PRODUCT REFERENCE INFORMATION			
Cat. No.	Model	Ship Weight - pounds	Shipping Volume -cubic feet
H7798	MPB-3328CNM-B	77.5	13.08
H7798	MPB-3328CPM-B	77.5	13.08
H7800	MPB-3328CNE-B	77.5	13.08
H7801	MPB-3530CNM-B	113	15.75
H7802	MPB-3530CPM-B	113	15.75
H7803	MPB-3530CNE-B	113	15.75
H7804	MPB-4035CNM-B	147	20.18
H7805	MPB-4035CNE-B	147	20.18
H7806	MPB-4540CNM-B	160	22.64
H7807	MPB-4540CNE-B	160	22.64



Remote Control Kit, Standard		
Cat. No.	Model No.	Description
H0249	RCL	Remote Control System (Standard)

Standard Remote Control System

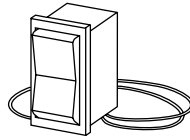
The Model RCL (Standard) Remote Control System, features a simple On/Off control function for the fireplace. This model includes a hand-held transmitter, a remote receiver with wall-mount cover plate and all hardware required to install the unit. The remote receiver can be wall or hearth mounted.



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

OFF/ON Wall Switch Kit

The OFF/ON wall switch kit may be used to control the operation of the fireplace burner. Install the OFF/ON wall switch in a convenient location near the fireplace.



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

Unit-Mountable Rocker Switch

This rocker switch kit can be installed directly in the gas valve mounting bracket (millivolt gas valve equipped fireplaces) to provide On/Off operation in lieu of a wall switch.

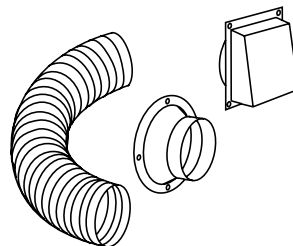


Decorative Firebox Accessories (all models)		
Cat. No.	Model No.	Description
88L53	FGE	Bag of Glowing Embers (1 oz. rockwool)
80L42	FDVS	Bag of Decorative Volcanic Stone

Bag of Glowing Embers

Bag of Volcanic Stone

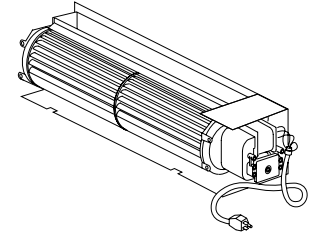
Replacement ember materials or volcanic stone are available for use with these appliances. Order kits as part of the periodic maintenance of the appliance.



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 Combustion Air Kits

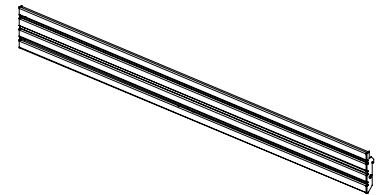
This kit includes 4" diameter duct, collar and hood for delivering outside combustion air to the fireplace.



Forced Air Blower Kits		
Cat. No.	Model No.	Description
80L84	FBK-100	Blower, Standard (single speed)
80L85	FBK-200	Blower, Variable Speed (w/wall-mounted switch)
80L86	FBK-250	Blower, Variable Speed (w/unit-mounted switch)

Forced Air Kit

The FBK-100 blower provides constant velocity forced air circulation. The FBK-200 assembly with variable speed, wall-mountable switch provides variable speed forced air circulation. The FBK-250 assembly with variable speed wall- or unit-mountable switch, also provides variable speed forced air circulation.



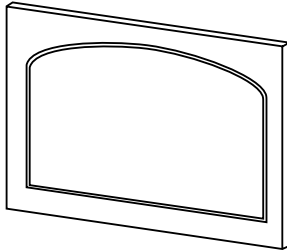
* Lennox Nameplate Logo, 12L15, is sold separately.

* Assembled 8-Piece Louver Kits				
Polished Brass		Brushed Stainless		Models Where Used
Cat. #	Model	Cat. #	Model	
H1522	LK-400B	H1523	LK-400BS	MPB-3328
H1524	LK-500B	H1525	LK-500BS	MPB-3530
H1526	LK-600B	H1527	LK-600BS	MPB-4035
H1528	LK-800B	H1529	LK-800BS	MPB-4540

Polished Brass & Brushed Stainless Louvers Kits

These kits include a top 4-louver assembly and a bottom 4-louver assembly. They provide a touch of elegance. These kits can be retrofitted to previously installed appliances.

ACCESSORY COMPONENTS

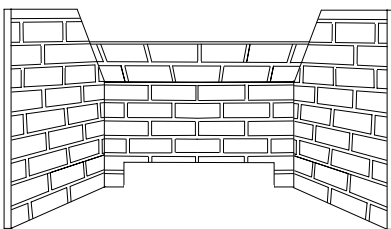


Arch Door Kit - Polished Brass		
Cat. No.	Model	Models-Where Used
98L05	ADK33CPB	MPB-3328
26M43	ADK35CMPB	MPB-3530
81L35	ADK40CPB	MPB-4035
81L36	ADK45CPB	MPB-4540

Arch Door Kit - Brushed Stainless Steel		
Cat. No.	Model	Models-Where Used
98L62	ADK33CBS	MPB-3328
26M44	ADK35CMBS	MPB-3530
98L69	ADK40CBS	MPB-4035
98L70	ADK45CBS	MPB-4540

Arch Door Kits

The arch door kits are easy to install and do not require hardware to attach them to the standard door frame. The decorative arch kits can not be used in conjunction with the screen panel kit.



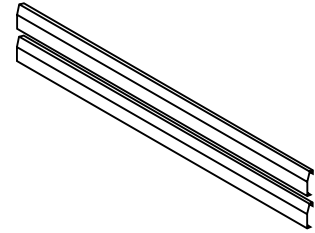
Brickaded Wall Liner Kits		
Cat. No.	Model No.	Description
H4683	MBLK-33B	Brick Liner Kit, MPB-3328
H4684	MBLK-35B	Brick Liner Kit, MPB-3530
H4685	MBLK-40B	Brick Liner Kit, MPB-4035
H4686	MBLK-45B	Brick Liner Kit, MPB-4540

Brickaded Panel Liner Kit

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

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

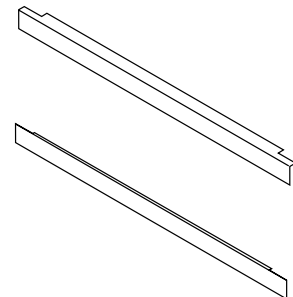
2-PIECE LOUVER SET KITS				
Polished Brass		Brushed Stainless		Models Where Used
Cat. #	Model	Cat. #	Model	
98L09	2LVR33PB	98L08	2LVR33BS	MPB-3328
96L05	2LVR35PB	96L09	2LVR35BS	MPB-3530
96L06	2LVR40PB	96L10	2LVR40BS	MPB-4035
96L07	2LVR45PB	96L11	2LVR45BS	MPB-4540



2-Piece Polished Brass and Brushed Stainless Louvers Kits

These louvers are designed to replace either the middle black louver of each set or the black louver in each set closest to the glass door. These kits include two narrow louvers. They provide a touch of elegance to these appliances. These kits can be retrofitted to previously installed appliances.

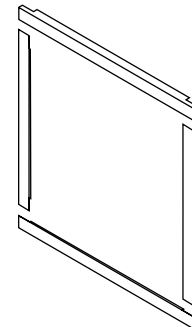
2- Piece Door Frame Kits				
Polished Brass		Brushed Stainless		Models Where Used
Cat. #	Model	Cat. #	Model	
98L18	2DFK33PB	98L19	2DFK33BS	MPB-3328
26M88	2DFK35PB	26M91	2DFK35BS	MPB-4035
26M89	2DFK40PB	26M92	2DFK40BS	MPB-4035
26M90	2DFK45PB	26M93	2DFK45BS	MPB-4540



Polished Brass & Brushed Stainless 2-Piece Door Frame Kits

These kits are designed to attach directly to the front face of the appliance at the glass enclosure panel's top and bottom edges.

4 Piece Door Trim Kits				
Polished Brass		Brushed Stainless		Models Where Used
Cat. #	Model	Cat. #	Model	
98L22	4DFK33PB	98L23	4DFK33BS	MPB-3328
26M82	4DFK35PB	26M85	4DFK35BS	MPB-3530
26M83	4DFK40PB	26M86	4DFK40BS	MPB-4035
26M84	4DFK45PB	26M87	4DFK45BS	MPB-4540

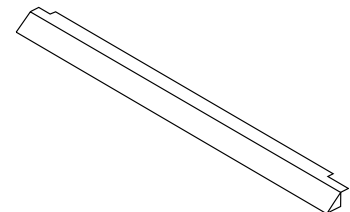


Door Frame Kits

A decorative door frame kit is available for use with these appliances. It is designed to attach directly to the front face of the appliance at the four edges of the glass enclosure panel resulting in the appearance of a picture frame.

Eyebrow Hood Kits				
Polished Brass		Brushed Stainless		Models Where Used
Cat. #	Model	Cat. #	Model	
98L10	EB33PB	98L11	EB33BS	MPB-3328 MPB-3328
96K67	EB35PB	88L49	EB35BS	MPB-4035
96K68	EB40PB	88L50	EB40BS	MPB-4035
96K69	EB45PB	88L51	EB45BS	MPB-4540

* These hood kits replace the standard hood that comes with these fireplaces.



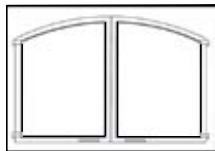
Polished Brass & Brushed Stainless Hood Kits

Attractive hoods are available in two styles. These hoods are designed to be fitted to the glass viewing sides of the appliance. In addition to providing an aesthetically pleasing appearance to your appliance installation, the hood reduces heat effects to decorative mantles and finish materials located above the fireplace opening. The hood kit replaces the standard hood that comes with these appliances and snaps into place. These kits can be retrofitted to previously installed appliances.

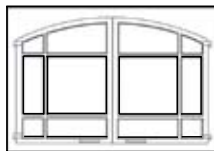
ACCESSORY COMPONENTS

ARCH DESIGN SCREEN DOOR KITS			
Cat. No.	Model	Description	Where Used
H0858	AD35C	35" Arch Doors, Black	MPB3530
H0859	AD35TI	35" Arch Doors, Textured Iron	
H0860	AD35SP	35" Arch Doors, Satin Pewter	
H0861	AD35AB	35" Arch Doors, Antique Brass	
H0862	AD40C	40" Arch Doors, Black	MPB4035
H0863	AD40TI	40" Arch Doors, Textured Iron	
H0864	AD40SP	40" Arch Doors, Satin Pewter	
H0865	AD40AB	40" Arch Doors, Antique Brass	
H0866	AD45C	45" Arch Doors, Black	MPB4540
H0867	AD45TI	45" Arch Doors, Textured Iron	
H0868	AD45SP	45" Arch Doors, Satin Pewter	
H0869	AD45AB	45" Arch Doors, Antique Brass	
ARCH PANE DESIGN KITS			
H0930	APD35C	35" Arch Pane Doors, Black	MPB3530
H0931	APD35TI	35" Arch Pane Doors, Textured Iron	
H0932	APD35SP	35" Arch Pane Doors, Satin Pewter	
H0933	APD35AB	35" Arch Pane Doors, Antique Brass	
H0934	APD40C	40" Arch Pane Doors, Black	MPB4035
H0935	APD40TI	40" Arch Pane Doors, Textured Iron	
H0936	APD40SP	40" Arch Pane Doors, Satin Pewter	
H0937	APD40AB	40" Arch Pane Doors, Antique Brass	
H0938	APD45C	45" Arch Pane Doors, Black	MPB4540
H0939	APD45TI	45" Arch Pane Doors, Textured Iron	
H0940	APD45SP	45" Arch Pane Doors, Satin Pewter	
H0941	APD45AB	45" Arch Pane Doors, Antique Brass	

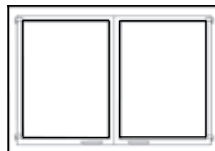
SQUARE DESIGN SCREEN DOOR KITS			
Cat. No.	Model	Description	Where Used
H0946	SD35C	35" Sq. Doors, Black	MPB3530
H0947	SD35TI	35" Sq. Doors, Textured Iron	
H0948	SD35SP	35" Sq. Doors, Satin Pewter	
H0949	SD35AB	35" Sq. Doors, Antique Brass	
H0950	SD40C	40" Sq. Doors, Black	MPB-4035
H0951	SD40TI	40" Sq. Doors, Textured Iron	
H0952	SD40SP	40" Sq. Doors, Satin Pewter	
H0953	SD40AB	40" Sq. Doors, Antique Brass	
H0954	SD45C	45" Sq. Doors, Black	MPB4540
H0955	SD45TI	45" Sq. Doors, Textured Iron	
H0956	SD45SP	45" Sq. Doors, Satin Pewter	
H0957	SD45AB	45" Sq. Doors, Antique Brass	
SQUARE PANE DESIGN KITS			
H0962	SPD35C	35" Sq. Pane Doors, Black	MPB3530
H0963	SPD35TI	35" Sq. Pane Doors, Textured Iron	
H0964	SPD35SP	35" Sq. Pane Doors, Satin Pewter	
H0965	SPD35AB	35" Sq. Pane Doors, Antique Brass	
H0966	SPD40C	40" Sq. Pane Doors, Black	MPB-4035
H0967	SPD40TI	40" Sq. Pane Doors, Textured Iron	
H0968	SPD40SP	40" Sq. Pane Doors, Satin Pewter	
H0969	SPD40AB	40" Sq. Pane Doors, Antique Brass	
H0970	SPD45C	45" Sq. Pane Doors, Black	MPB4540
H0971	SPD45TI	45" Sq. Pane Doors, Textured Iron	
H0972	SPD45SP	45" Sq. Pane Doors, Satin Pewter	
H0973	SPD45AB	45" Sq. Pane Doors, Antique Brass	



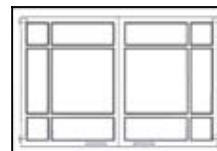
Arch Design



Arch Pane Design



Square Design



Square Pane Design

Style View Screen Door Kits

These decorative screen doors install over the standard glass enclosure to prevent direct contact with the hot glass surface. These Screen Doors cannot be used in conjunction with the arch door kits or door frame kits. The doors are functional.



4-Piece Trim Kit



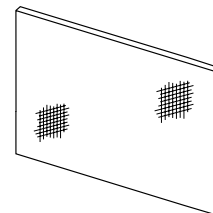
3-Piece Trim Kit

3 and 4-Piece Trim Kits

This kit contains brass trim pieces used to finish the gaps between the wall board and the fireplace, providing the appliance a brass perimeter highlight. This kit contains the trim pieces and instructions.

4 Piece Trim Kit		
Cat. No.	Model No.	Description
96K17	TK35PB4	35" 4 Piece Finish Trim Kit, Polished Brass, MPB-3530
96K18	TK40PB4	40" 4 Piece Finish Trim Kit, Polished Brass, MPB-4035
96K19	TK45PB4	45" 4 Piece Finish Trim Kit, Polished Brass, MPB-4540

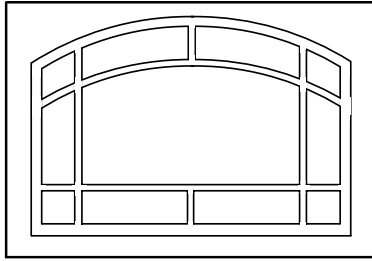
3 Piece Trim Kit		
Cat. No.	Model No.	Description
H0453	TK33PB3	33" Polished Brass, MPB-3328
96K21	TK35PB3	35" Polished Brass, MPB-3530
96K22	TK40PB3	40", Polished Brass, MPB-4035
96K23	TK45PB3	45", Polished Brass, MPB-4035
H1813	TK33BS3	33" Br. Stainless, MPB-3328
H1815	TK35BS3	35" Br. Stainless, MPB-3530
H1816	TK40BS3	40", Br. Stainless, MPB-4035
H1817	TK45BS3	45", Br. Stainless, MPB-4540
H4820	TK33C3	33" Black, MPB-3328
H4821	TK35C3	35" Black, MPB-3530
H4823	TK40C3	40", Black, MPB-4035
H4824	TK45C3	45", Black, MPB-4540



Screen Panel Kit

This easy to install optional Screen Panel installs over the standard glass enclosure to prevent direct contact with the hot glass surface. These Screen Panels cannot be used in conjunction with the arch door kits or door frame kits.

Screen Panel Kits		
Cat. No.	Model No.	Models Where Used
98L04	HG33	MPB-3328
26M48	HG35M	MPB-3530
26M49	HG40M	MPB-4035
26M50	HG45M	MPB-4540

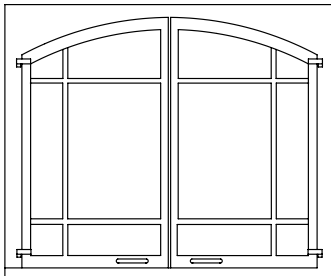


Decorative Arch Screen Panel Kit

This easy to install optional screen installs over the standard glass enclosure panel to prevent direct contact with the hot glass surface. These screen panels cannot be used in conjunction with the arch door kits or door frame kits.

Decorative Arch Screen Panel Kit		
Cat. No.	Model	Model
H3592	DASPK33TI	33" Dec. Arch Screen Panel
H3593	DASPK35TI	35" Dec. Arch Screen Panel
H3594	DASPK40TI	40" Dec. Arch Screen Panel

(ref. Form # 750,199M)



Tall Style View Doors

These decorative screen doors are offered in four attractive finishes and fit on the face of the appliance over the glass door frame to prevent direct contact with the hot glass surface. These doors replace the bottom louver assembly and cover the control compartment which elongates the appearance of the height of the fireplace face. The doors are functional.

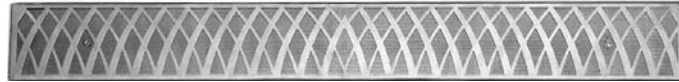
Style View Tall Arch Pane Screen Door Kits		
Cat. No.	Model	Description
H3525	TAPD35C	Arch Pane, Black, 35"
H3529	TAPD40C	Arch Pane, Black, 40"
H3533	TAPD45C	Arch Pane, Black, 45"
H3527	TAPD35SP	Arch Pane, Satin Pewter, 35"
H3531	TAPD40SP	Arch Pane, Satin Pewter, 40"
H3535	TAPD45SP	Arch Pane, Satin Pewter, 45"

(ref. Form # 750,200M)

Sunrise Style (upper grille shown)



Crescent Style (lower grille shown)



Decorative Grille Kits

These decorative grilles are offered in two attractive finishes and fit on the face of the appliance in place of the standard louvers.

Cat. No.#	Model	Description	Model Series
H3565	SUGK35C	35" Black	UPPER GRILLE KITS SUNRISE
H3573	SUGK40C	40" Black	
H3581	SUGK45C	45" Black	
H3567	SUGK35SP	35" Satin Pewter	
H3575	SUGK40SP	40" Satin Pewter	
H3583	SUGK45SP	45" Satin Pewter	

H3569	SLGK35C	35" Black	LOWER GRILLE KITS SUNRISE
H3577	SLGK40C	40" Black	
H3585	SLGK45C	45" Black	
H3571	SLGK35SP	35" Satin Pewter	
H3579	SLGK40SP	40" Satin Pewter	
H3587	SLGK45SP	45" Satin Pewter	

H3541	CUGK35C	35" Black	UPPER GRILLE KITS CRESCENTS
H3549	CUGK40C	40" Black	
H3557	CUGK45C	45" Black	
H3543	CUGK35SP	35" Satin Pewter	
H3551	CUGK40SP	40" Satin Pewter	
H3559	CUGK45SP	45" Satin Pewter	

H3545	CLGK35C	35" Black	LOWER GRILLE KITS CRESCENTS
H3553	CLGK40C	40" Black	
H3561	CLGK45C	45" Black	
H3547	CLGK35SP	35" Satin Pewter	
H3555	CLGK40SP	40" Satin Pewter	
H3563	CLGK45SP	45" Satin Pewter	

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 (all models)		
Cat. No.	Model No.	Description
90L73	FTPK-B	Touch-Up Paint (Black)
98K67		Touch-Up Paint (Tan)




LIGHTING INSTRUCTIONS – SIT MILLIVOLT GAS VALVE

FOR YOUR SAFETY READ BEFORE LIGHTING

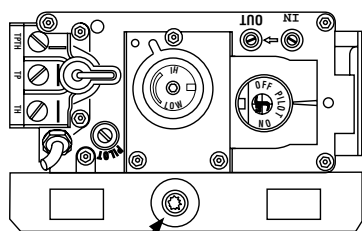
WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

- A.** This appliance has a pilot which must be lighted with 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, do not try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or an explosion.
- D.** Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

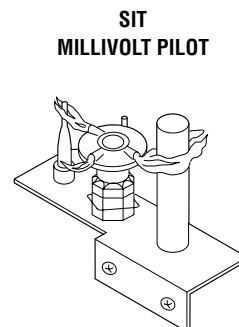
1. **STOP!** Read the safety information above on this Page.
2. Access the lower control compartment.
3. Turn remote wall switch to "OFF."
4. Verify main line shut-off valve is open.
5. Push in gas control knob slightly and turn clockwise to "OFF." 
6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above (to the left) on this label. If you don't smell gas, go to the next step.
7. Push in gas control knob slightly and turn counterclockwise  to "PILOT."
8. Push in control knob all the way and hold in. Immediately light the pilot by triggering the spark 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 8.
 - If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
 - If pilot will not stay lit after several tries, turn the control knob to "OFF" and call your service technician or gas supplier.
9. Turn gas control knob counterclockwise  to "ON."
10. Close lower control compartment.
11. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

SIT
MILLIVOLT
GAS VALVE




IGNITER

Note: Knob cannot be turned from "PILOT" to "OFF" unless the knob is pushed in slightly. Do not force.



TO TURN OFF GAS TO APPLIANCE

1. Turn remote wall switch "OFF." The pilot will remain lit for normal service.
2. For complete shutdown, turn remote wall switch to "OFF."
3. Access the lower control compartment.
4. Depress gas control knob slightly and turn clockwise  to "OFF." Do not force.
5. Close lower control compartment.

INSTRUCTIONS D'ALLUMAGE – VANNE 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 DÉCLANCHER UN INCENDIE OU UNE EXPLOSION ENTRAÎNANT DES DOMMAGES, DES BLESSURES OU LA MORT.

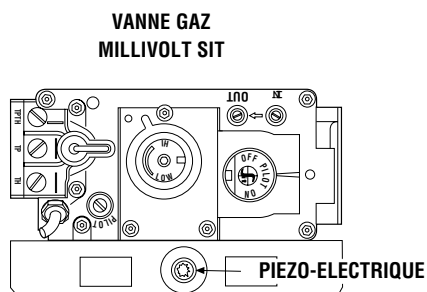
- A.** Cet appareil est muni d'une veilleuse qui doit être allumée avec un allumeur piézo-électrique. Lorsque vous allumez la veilleuse, suivre exactement ces instructions.
- B. AVANT L'ALLUMAGE:** Avant d'allumer la veilleuse, reniflez tout autour de l'appareil pour déceler une odeur de gaz. Reniflez 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.
- 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. Ouvrez le compartiment de contrôle du bas.
3. Tournez l'interrupteur mural à la position d'arrêt "OFF".
4. Assurez-vous que la soupape d'arrêt de la canalisation principale est ouverte.
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".



VANNE GAZ
MILLIVOLT SIT

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 (à gauche) de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante.
7. Enfoncez légèrement le bouton de réglage du gaz et tournez-le en sens inverse des aiguilles d'une montre jusqu'à la position de veilleuse "PILOT".

8. 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 le bouton ne sort pas automatiquement après avoir été relâché, arrêtez immédiatement et téléphonez à votre technicien de service ou à votre fournisseur de gaz.

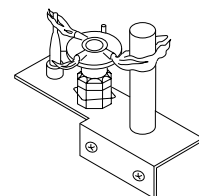
• Si la veilleuse refuse de rester allumée après plusieurs tentatives, tournez le bouton de réglage jusqu'à sa position d'arrêt "OFF" et téléphonez à votre technicien de service ou à votre fournisseur de gaz.

9. Tournez le bouton de réglage du gaz en sens inverse des aiguilles d'une montre jusqu'à sa position de marche "ON".

10. Fermez le compartiment de contrôle du bas.

SIT
MILLIVOLT PILOT

11. Si l'appareil ne fonctionne pas, suivre les instructions intitulées "Pour fermer le gaz qui alimente l'appareil" et appeler un technicien ou le fournisseur de gaz.



POUR FERMER LE GAZ QUI ALIMENTE L'APPAREIL

1. Tournez l'interrupteur mural à la position d'arrêt "OFF". La veilleuse restera allumée jusqu'au retour du service normal.
2. Pour une fermeture complète, tournez l'interrupteur mural à la position d'arrêt "OFF".
3. Ouvrez le compartiment de contrôle du bas.
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. Fermez le compartiment de contrôle du bas.

OPERATING INSTRUCTIONS — ELECTRONIC

FOR YOUR SAFETY READ BEFORE OPERATING

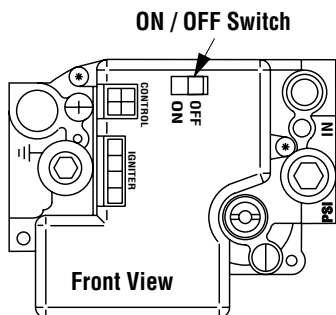
WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

- 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 page.
2. Turn remote wall switch to "OFF."
3. Open lower control compartment door.
4. Verify main line shut-off valve is open.
5. Turn the OFF/ON switch to "OFF". 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 (to the left) on this label. If you don't smell gas, go to the next step.
7. Turn the OFF/ON switch to "ON". Do not force.
8. Turn "ON" all electrical power to appliance (remote wall or appliance switch).
9. Close lower control compartment door.
10. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

Honeywell Electronic Gas Control Valve



TO SHUT OFF

1. Turn off all electrical power to the appliance (remote wall switch).

TO TURN OFF GAS TO APPLIANCE

1. For complete shut-down, turn remote wall switch to "OFF."
2. Open lower control compartment door.
3. Turn the OFF/ON switch to "OFF". Do not force.
4. Close the main line shut-off valve.
5. Close lower control compartment door.

INSTRUCTIONS D'ALLUMAGE — ELECTRONIC

POUR PLUS DE SÉCURITÉ LIRE AVANT DE METTRE EN MARCHÉ

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

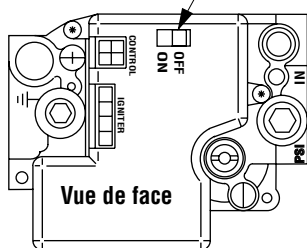
- A.** Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne tentez pas d'allumer la veilleuse manuellement.
- B. AVANT DE FAIRE FONCTIONNER:** reniflez tout autour de l'appareil pour déceler une odeur de gaz. Reniflez près du plancher, car certains gaz sont plus 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 instructions de sécurité sur la portion supérieure (à gauche) de cette étiquette.
2. Tournez l'interrupteur mural à la position d'arrêt "OFF".
3. Ouvrez la porte du compartiment de contrôle du bas.
4. Assurez-vous que la soupape d'arrêt de la canalisation principale est ouverte.
5. Tournez la manette de réglage du gaz à la position d'arrêt "OFF".
6. Attendez 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 (à gauche) de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante.
7. Tournez la manette de réglage du gaz jusqu'à la position de marche "ON". Ne la forcez pas.
8. Ouvrez le courant électrique ("ON") qui alimente l'appareil (interrupteur mural ou l'appareil).
9. Fermez la porte du compartiment de contrôle du bas.
10. Si l'appareil ne se met pas en marche, suivre les instructions intitulées "Pour fermer le gaz qui alimente l'appareil" et appeler un technicien ou le fournisseur de gaz.

Honeywell Vanne Gaz Électronique

Interrupteur ON / OFF



POUR ÉTEINDRE L'APPAREIL

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

POUR FERMER LE GAZ QUI ALIMENTE L'APPAREIL

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

MAINTENANCE SCHEDULE

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	ACCOMPLISHING PERSON	PROCEDURE
Inspect/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 Figure 13 (MPB-3328), Figure 14 (MPB-3530) or Figure 15 (MPB-4035 & MPB-4540) 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.
Inspect/Clean Pilot and Burner	Qualified Service Technician	Refer to Figure 17 or 18 on Page 18 . 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 or deterioration of the vent components.
Appliance Checkout	Qualified Service Technician	Perform the appropriate appliance checkout procedure detailed in this manual.
Replace Glowing Embers	Homeowner/Qualified Service Technician	Remove old ember materials (rockwool) and vacuum the ember placement area. Place new embers as described on Pages 12 through 14 .

Periodically (After the Burning Season)

MAINTENANCE TASK	ACCOMPLISHING PERSON	PROCEDURE
Clean Firebox Interior	Homeowner	Carefully remove logs, embers (rockwool), and volcanic stone. Vacuum out interior of the firebox. Clean firebox walls. Replace logs, embers (rockwool) and volcanic stone as detailed in this manual (see Pages 12 through 16).
Check Flame Patterns and Flame Height	Homeowner	Refer to Figure 13 (MPB-3328), Figure 14 (MPB-3530) or Figure 15 (MPB-4035 & MPB-4540) 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.
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.

TROUBLESHOOTING THE MILLIVOLT CONTROL SYSTEM

Note: Before troubleshooting the gas control system, Ensure external gas shut off valve, located at gas supply inlet, (and wall switch, iff applicable), is in the "ON" position. **Important:** Valve system troubleshooting should only be accomplished by a qualified service technician.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
1. Spark Igniter will not light pilot after repeated triggering of Igniter button.	A. Defective igniter (no spark at electrode).	Check for spark at electrode and pilot; if no spark and electrode wire is properly connected, replace Igniter.
	B. 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 17 on Page 18).
	C. Gas supply pressure errant.	Check inlet gas pressure. It should be within the limits as marked on the rating plate.
	D. Pilot orifice plugged.	Clean or replace pilot orifice.
2. Pilot will not stay lit after carefully following the lighting instructions.	A. Defective pilot generator (thermocouple).	Check pilot flame, it must impinge on thermocouple (see Figure 17 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.
3. Pilot burning, no gas to burner, Valve knob "ON," Wall Switch "ON."	A. 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.
	B. 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.
	C. 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.
	D. Plugged burner orifice.	Check burner orifice for stoppage and remove.
	E. OFF/ON Switch & *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) OFF/ON switch is in the "OFF" position. If both switches are in the ON position, it may result in excessive resistance (& millivolt drainage) and the burner may not come on.
4. Frequent pilot/burner outage problem.	A. 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 17 on Page 18).

TROUBLESHOOTING GUIDE - ELECTRONIC IGNITION SYSTEM

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
1. Burner will not light.	A. Faulty Valve System.	See Below.
	B. "OFF/ON" or wall switch defective.	Disconnect the two black wires from the wire nuts. Test switch(s) for continuity with a multimeter. If continuity is not indicated, switch(s) is defective and must be replaced. Note: Before replacing "OFF/ON" switch, Ensure to check wiring for loose connections or broken wires and repair as needed.
2. Burners come "ON," then turns "OFF."	A. Burner orifice plugged.	Check main burner orifice(s) for blockage. Clean or replace.
	B. Obstructed vent system.	Check vent system for obstructions.

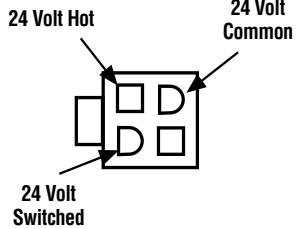
TROUBLESHOOTING PROCEDURE - ELECTRONIC IGNITION SYSTEM

START

- Turn Off Gas Supply.
- Ensure Valve Switch Is In ON Position.
- Disconnect Control Harness.
- Turn On Optional Remote Switch (if applicable)

Insert A

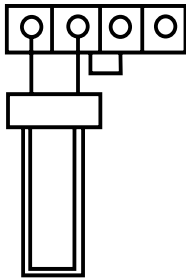
End View of Control Harness Connector



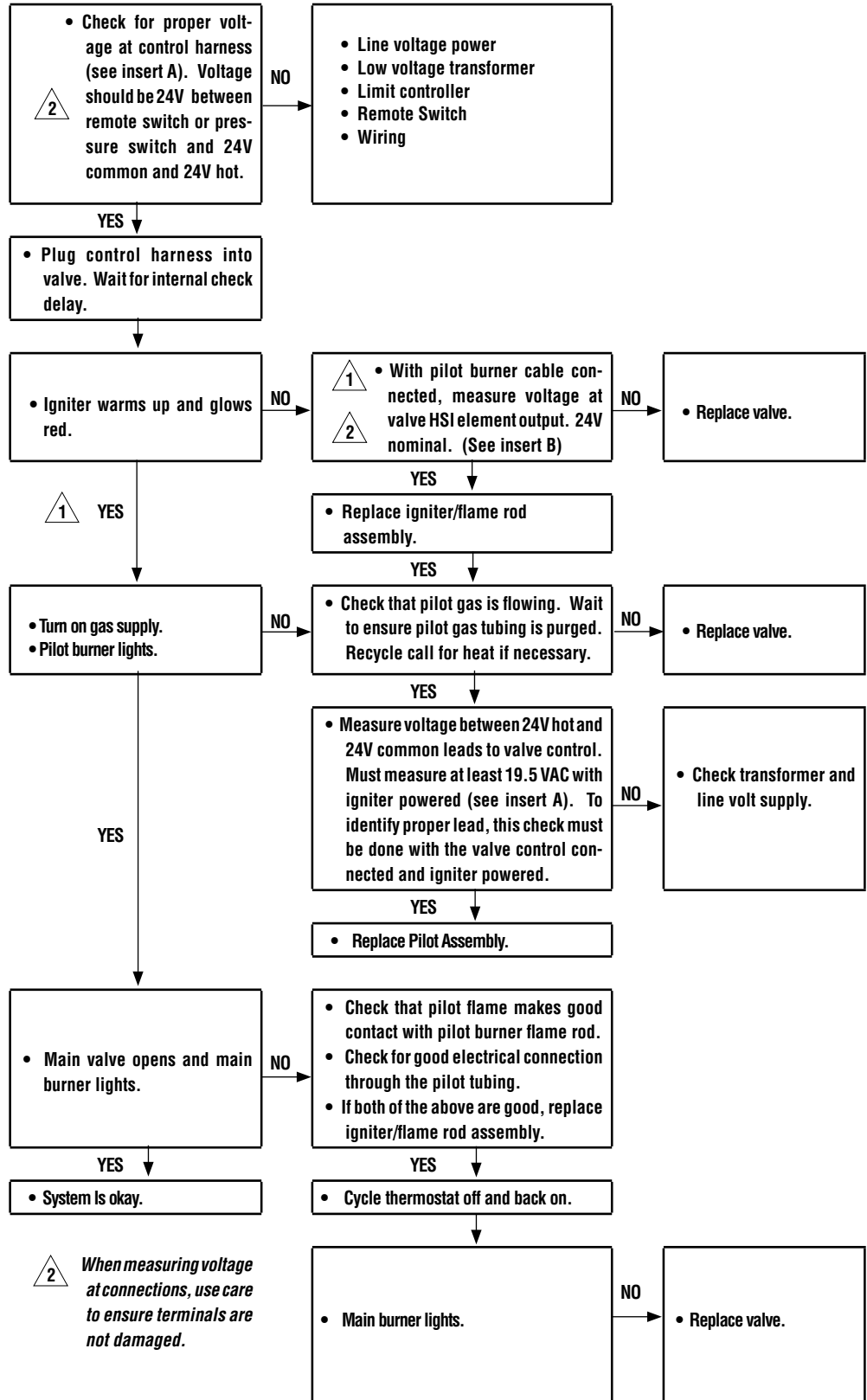
Check For Damaged or Missing Terminals in Connector

Insert B

Igniter Terminals



CHECK



1 Igniter will cycle off and back on once during the 90 second ignition trial. All voltage measurements must be taken while the igniter is powered.

2 When measuring voltage at connections, use care to ensure terminals are not damaged.

REPLACEMENT PARTS LIST

Item #	Description	MPB-3328		MPB-3530		MPB-4035		MPB-4540	
		Part No.	Qty.	Part No.	Qty.	Part No.	Qty.	Part No.	Qty.
1	Hood, Black	H3898	1	H3895	1	H3896	1	H3897	1
2	Louver Assembly, Top Panel	H4332	1	H3926 (set)	1	H3899 (set)	1	H4330	1
3	Louver Assembly, Lower Panel	H4333	1		1		1	H4331	1
4	Enclosure, Glass Front (Complete)	H3889	1	H3881	1	H3941	1	H3892	1
5	Nameplate, Lennox (logo)	12L15	1	12L15	1	12L15	1	12L15	1
6	Latch	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	24M22	1	24M25	1	24M25	1
9	Burner Assembly	24M58	1	24M58	1	24M59	1	24M59	1
10	Grate Assembly	H4329	1	H4329	1	H3639	1	H3639	1
11	Orifice, Main Burner - Natural Gas	39L66	1	60J80	1	24M10	1	18L40	1
11	Orifice, Main Burner - Propane Gas	99K78	1	19L52	1	21L01	1	37G00	1
12	Bag of Glowing 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	Bag of Vermiculite	H6319	1	H6319	1	H6319	1	H6319	1
15	Gas Line Flexible Connector, FFGC	93L32	1	93L32	1	93L32	1	93L32	1
16	Spill Switch (high limit disc)	62L16	1	62L16	1	62L16	1	62L16	1

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

Gas Controls - SIT Millivolt

Item #	Description	Natural Gas		Propane Gas	
		Part No.	Qty.	Part No.	Qty.
20	Gas Valve, SIT	43K07	1	88J53	1
21	Piezo Igniter (w/wire)	91K94	1	91K94	1
22	Pilot Assembly	69L17	1	69L18	1
23	Pilot Generator	60J79	1	60J79	1
24	Thermocouple	74L57	1	74L57	1
25	Pilot Tube	74L56	1	74L56	1
26	Electrode and Cable	74L58	1	74L58	1
27	Pilot Shield	H3737	1	H3737	1

Contact an Authorized 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.

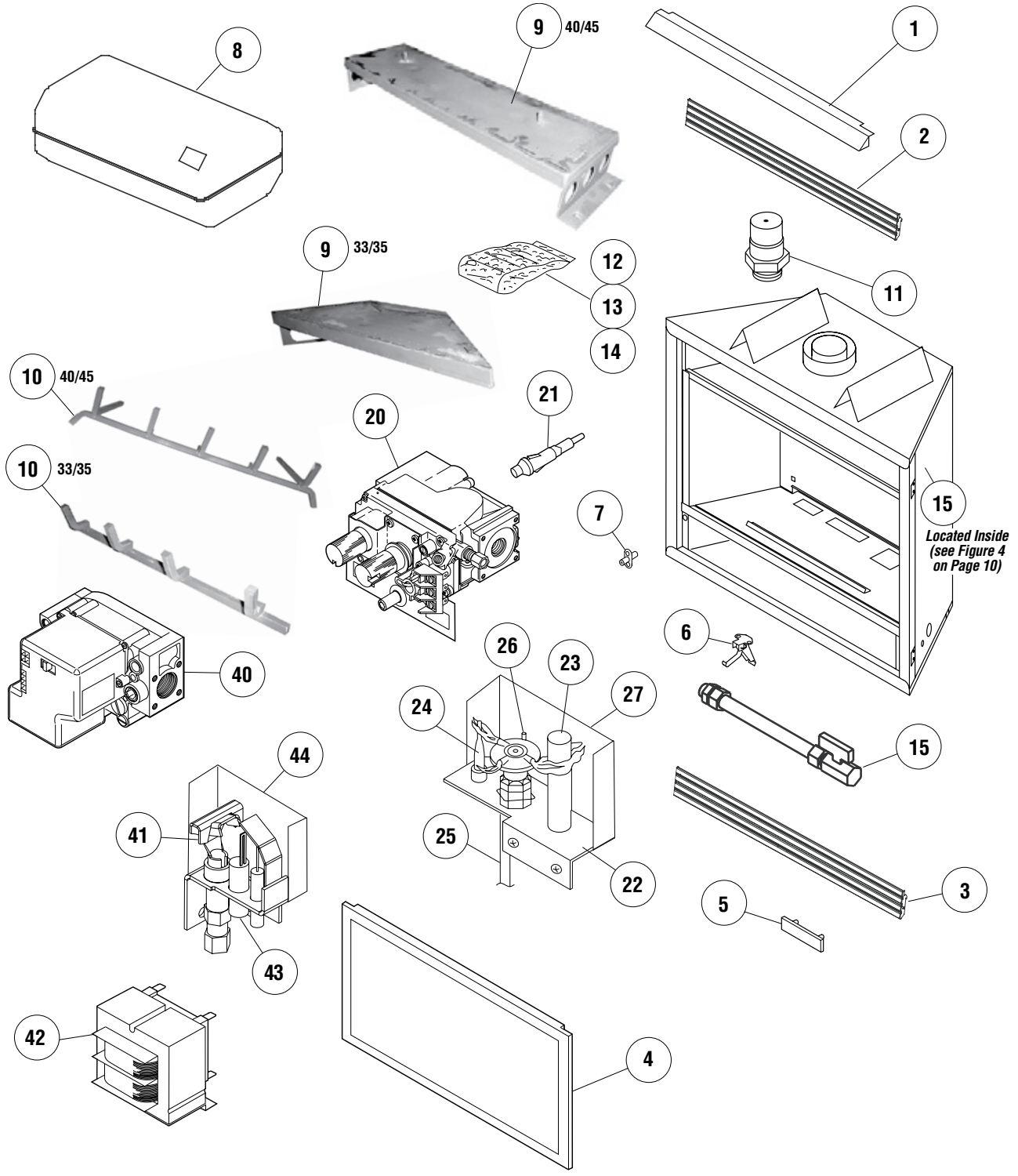
AVERTISSEMENT

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.

Gas Controls - Honeywell Electronic

Item #	Description	Natural Gas		Propane Gas	
		Part No.	Qty.	Part No.	Qty.
40	Gas Valve, Honeywell	62L18	1	62L19	1
41	Pilot Assembly	62L14	1	62L15	1
42	Transformer	42J32	1	42J32	1
43	Igniter Assembly (Kit)	87L54	1	87L54	1
44	Pilot Shield	H1596	1	H1596	1

REPLACEMENT PARTS



NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

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.



HEARTH PRODUCTS

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