

# ISO-FLAMES

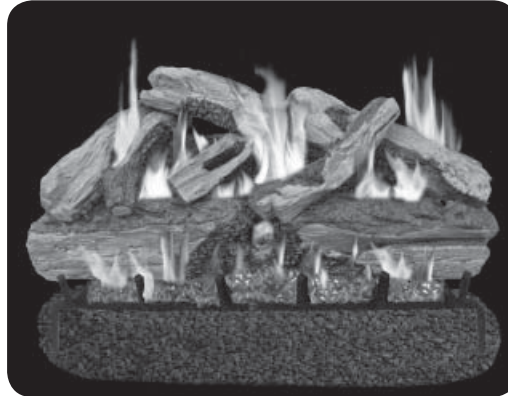
**OWNER'S  
MANUAL**

**A Product of Earthcore Industries, LLC**

## Burner Systems:

PET-24(N, P)

PET-30(N, P)



**FOR INSTALLATION IN  
SOLID-FUEL BURNING  
FIREPLACES\***

**DESIGN CERTIFIED  
to**

**Vented Decorative Appliance  
ANSI Z21.60b-2004  
CSA 2.26b-2004**

## **STADIUM BURNER SET**

### **WARNING**

If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

**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:**

- **Open a window.**
- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in the building.**
- **Immediately call the gas supplier from a neighbor's phone. Follow gas supplier's instructions.**
- **If you cannot reach the gas supplier, call the fire department.**

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

**This appliance is only for use with the type of gas indicated on the rating plate.**

### **IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION OF THE LOG SET**

The ISO-FLAMES gas log set is to be installed only in a solid-fuel burning fireplace with a working flue and constructed of noncombustible material. The installation, including provisions for combustion and ventilation air must conform with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or the *CSA B149.1, Natural Gas and Propane Installation Code*, and applicable local building codes.

A damper clamp is included to maintain the minimum permanent vent opening and to prevent full closure of the damper blade. **The chimney damper MUST be fully opened when burning the log set. The log set is designed to burn with yellow flames; thus adequate ventilation is absolutely necessary.**

To comply with certification, listings, and building code acceptances, and for safe operation and proper performance of this log set, use **ONLY** Earthcore parts and accessories. Use of other controls, parts, and accessories that are not designed for use with ISO-FLAMES gas log sets is prohibited and will void all warranties, certifications, listings, and building code approvals, and may cause property damage, personal injury, or loss of life.

**\*Note:** Solid-fuels shall not be burned in a fireplace where a decorative appliance is installed.



**INSTALLER:**  
**Leave this manual with the appliance.**

**CONSUMER:**  
**Retain this manual for future reference.**



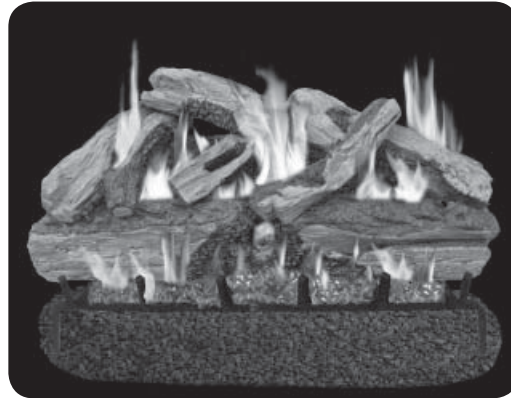
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**EARTHCORE INDUSTRIES, LLC. • 6899 Phillips Industrial Blvd • Jacksonville, FL 32256**

Un produit des industries d'Earthcore, LLC

## Systèmes De Brûleur:

PET-24(N, P)  
PET-30(N, P)



POUR L'INSTALLATION EN  
CHEMINÉES BRÛLANTES DE  
COMBUSTIBLE SOLIDE\*

CONCEPTION CERTIFIÉE

à

Vented Decorative Appliance  
ANSI Z21.60b-2004  
CSA 2.26b-2004

## ENSEMBLE DE BRÛLEUR DE STADE

### AVERTISSEMENT

Si l'information en ce manuel n'est pas suivie exactement, une incendie ou une explosion peut résulter, entraînant des dégâts matériels, des blessures, ou la perte de la vie.

Ne stockez pas ou n'employez pas l'essence ou d'autres vapeurs et liquides inflammables à proximité de ceci ou d'aucun autre appareil.

### CE QUI À FAIRE SI VOUS SENTEZ LE GAZ:

- Ouvrez une fenêtre.
- N'essayez pas de n'allumer aucun appareil.
- Ne touchez aucun commutateur électrique; n'utilisez aucun téléphone dans le bâtiment.
- Appelez immédiatement le fournisseur de gaz du téléphone du voisin. Suivez les instructions du fournisseur de gaz.
- Si vous ne pouvez pas atteindre le fournisseur de gaz, appelez le département de feu.

L'installation et le service doivent être assurés par un installateur qualifié et professionnel, l'agence de service, ou le fournisseur de gaz.

Cet appareil sert seulement avec le type de gaz indiqué de la plaque de contrôle.

### INSTALLATEUR :

Laissez ce manuel avec l'appareil.

### CONSOMMATEUR:

Maintenez ce manuel pour la future référence.



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.

### IMPORTANT: LISEZ CES INSTRUCTIONS SOIGNEUSEMENT AVANT DE COMMENCER L'INSTALLATION DE L'ENSEMBLE DE NOTATION.

L'ensemble de notation de gaz d'ISO-FLAMES doit être installée seulement dans une cheminée brûlante de combustible solide avec une conduite de cheminée fonctionnante et être construit avec du matériel non-combustible. L'installation, y compris des dispositions pour l'air de combustion et de ventilation doit se conformer au code national de gaz de carburant, la norme ANSI Z223.1/NFPA 54, ou le CSA B149.1, code d'installation de gaz naturel et de propane, et codes du bâtiment locaux applicables.

Une bride plus humide est incluse pour maintenir l'ouverture permanente minimum de passage et pour empêcher la pleine fermeture de la lame plus humide. L'amortisseur de cheminée DOIT être entièrement ouvert en brûlant la notation réglée. L'ensemble de notation est conçu pour brûler avec les flammes jaunes; ainsi à ventilation proportionnée est absolument nécessaire.

Pour se conformer à la certification, les listes, et les acceptations de codes du bâtiment, et pour l'exploitation sûre et l'exécution appropriée de cet ensemble de notation, utilisent SEULEMENT des pièces et des accessoires d'Earthcore. L'utilisation d'autres commandes, pièces, et accessoires qui ne sont pas conçus pour l'usage avec des ensembles de notation de gaz d'ISO-FLAMES est interdite et videra toutes les garanties, certifications, listes, et approbations de codes du bâtiment, et peut causer des dégâts matériels, le dommage corporel, ou des pertes humaines.

**\*Note:** des Plein-carburants ne seront pas brûlés dans une cheminée où un appareil décoratif est installé.

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## L'INFORMATION DE SÛRETÉ IMPORTANTE DE PRÉINSTALLATION ET DE CHEMINÉE

**ATTENTION: L'installation et la réparation doivent être faites par un NFI certifié ou tout autre installateur professionnel qualifié.**

**Installateur:** Lisez soigneusement ces instructions avant d'installer ce système de brûleur à gaz. Soyez sûr que vous comprenez tous les mesures de sécurité et avertissements contenus en ce manuel.

- A.** Cet appareil est conçu comme appareil occupé. Les adultes doivent être présent quand cet appareil à gaz fonctionne. Ne laissez pas ce burning d'unité si sans surveillance ou tandis que n'importe qui dort.
- B.** Cet appareil sert seulement avec le type de gaz indiqué de la plaque de contrôle. Cet appareil n'est pas CONVERTIBLE de CHAMP pour l'usage avec d'autres gaz.
- C. FAITES ATTENTION: Sinon installé, entretenu, et utilisé correctement par ces instructions, ce produit peut causer le dommage corporel, les dégâts matériels, ou les pertes humaines sérieux.**
- D. AVERTISSEMENT:** Avant l'installation dans une cheminée plein-carburant-brûlante, la conduite de cheminée, l'amortisseur, et le foyer de cheminée doivent ÊTRE COMPLÈTEMENT NETTOYÉS de la suie, de la créosote, des cendres, et de la peinture lâche, et doivent être inspectés par un décapant qualifié de cheminée. Quelques cheminées plus anciennes peuvent ont besoin de réparation avant d'installer cet appareil.
- E. VÉRIFIEZ LE TYPE de GAZ (normal ou propane) :** La fourniture de gaz doit être identique qu'indiquée de votre plaque de contrôle de système de brûleur. Si la fourniture de gaz est différente, N'INSTALLEZ PAS. Contactez votre revendeur pour l'aide immédiate.
- F.** Gardez le domaine du clair réglé de notation de gaz et libérez des matériaux combustibles, l'essence, et d'autres vapeurs et liquides inflammables.
- G. LA PRESSION DE GAZ INSUFFISANTE GARDERA LE PILOTE DU FONCTIONNEMENT CORRECTEMENT. N'EMPLOYEZ PAS SI LA PRESSION DE GAZ EST INFÉRIEURE À LA CONDITION MINIMUM.**
- H.** L'admission minimum gaz-fournissent la pression aux fins de l'ajustement d'entrée est 5" ; colonne d'eau (w.c.) sur le gaz naturel et le 11" ; w.c. sur le gaz de propane. La pression de gaz insuffisante affectera l'opération appropriée du pilote. N'installez pas cet appareil à gaz si la pression minimum n'est pas disponible. L'admission maximum gaz-fournissent la pression est 10.5" ; w.c. sur le gaz naturel et le 13" ; w.c. sur le gaz de propane. La source de propane doit être réglée. (Ne reliez pas cet appareil directement à un réservoir de gaz non réglé de propane - ceci peut causer une explosion.)
- I.** Le système sifflant de gaz doit être classé pour fournir la pression d'admission minimum au débit maximum (BTU/hr). La perte de pression anormale se produira si la pipe est trop petite, ou la course est trop longue. La pipe de fourniture de gaz doit être 1/2" ; diamètre intérieur minimum. Si la ligne de gaz est plus longue que 20' ; une ligne de plus grand diamètre peut être nécessaire.
- J.** Les estimations d'entrée montrées en Btu par heure sont pour des altitudes jusqu'à 2.000 pi. Pour des altitudes au-dessus de 2.000 pi, référez-vous au code national de gaz de carburant ou entrez en contact avec le fabricant avant d'installer ce produit.
- K.** Cet appareil à gaz et son clapet à gaz principal doivent être disconnected du gaz-fournissent le système sifflant pendant tout vérificateur de pression de ce système aux pressions d'essai au-dessus de 1/2 psig.
- L.** Cet appareil à gaz doit être isolé dans gaz-fournissent le système sifflant en fermant le robinet d'isolement d'équipement relié au gaz-fournissent la ligne pendant tout vérificateur de pression du gaz-fournissent le système sifflant aux pressions d'essai égales à ou moins d'à 1/2 psig.
- M.** N'employez pas cet appareil si n'importe quelle partie a été sous-marine. Appelez immédiatement un technicien qualifié de service pour inspecter l'appareil et pour remplacer n'importe quelle partie du système de contrôle et de n'importe quelle commande de gaz qui a été sous-marine.
- N.** Un écran de cheminée doit être en place quand la notation réglée brûle. Des dispositions pour à air de combustion proportionné doivent être maintenues. À moins que d'autres dispositions pour l'air de combustion soient fournies, l'écran aura une ouverture pour l'introduction d'air de combustion. L'air de combustion est proportionné quand toutes les flammes se courbent dans la cheminée et à partir de l'écran. Quand des portes en verre de cheminée sont employées, actionnez l'ensemble de notation de gaz avec les portes entièrement ouvertes.
- O.** Cet appareil peut être installé dans un marché des accessoires, maison (mobile) de manière permanente située et manufacturée, où non interdit par des codes locaux. L'installation des appareils a conçu pour la maison manufacturée (États-Unis seulement) ou installation de caravane résidentielle doit se conformer au CAN/CSA standard Z240 MH, logement mobile, au Canada, ou à la construction et au standard de sécurité à la maison manufacturés, intitulent 24 CFR, la partie 3280, aux Etats-Unis, ou quand une telle norme ne s'applique pas, à ANSI/NCSBCS A225.1/NFPA 501A, installations à la maison manufacturées standard.

## IMPORTANT PRE-INSTALLATION AND FIREPLACE SAFETY INFORMATION

**CAUTION:** Installation and repair must be done by an NFI Certified or other qualified professional installer.

**Installer:** Carefully read these instructions before installing this gas burner system. Be sure you understand all safety precautions and warnings contained in this manual.

- A. This appliance is designed as an **attended appliance**. Adults must be present when this gas appliance is operating. Do not leave this unit burning when unattended or while anyone is sleeping.
- B. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is **NOT FIELD CONVERTIBLE** for use with other gasses.
- C. **BE CAREFUL: If not installed, serviced, and used correctly per these instructions, this product can cause serious personal injury, property damage, or loss of life.**
- D. **WARNING:** Before installing in a solid-fuel-burning fireplace, **the chimney flue, damper, and firebox must be thoroughly CLEANED** of soot, creosote, ashes, and loose paint, and must be inspected by a qualified chimney cleaner. Some older fireplaces may need repair prior to installing this appliance.
- E. CHECK GAS TYPE (natural or propane): The gas supply must be the same as stated on your burner system rating plate. If gas supply is different, **DO NOT INSTALL**. Contact your dealer for immediate assistance.
- F. Keep the area of the gas log set clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- G. INSUFFICIENT GAS PRESSURE WILL KEEP THE PILOT FROM OPERATING PROPERLY. DO NOT USE IF GAS PRESSURE IS LOWER THAN THE MINIMUM REQUIREMENT.
- H. The *minimum* inlet gas-supply pressure for purposes of input adjustment is **5"** water column (w.c.) on **natural gas** and **11"** w.c. on **propane gas**. Insufficient gas pressure will affect proper operation of the pilot. Do not install this gas appliance if minimum pressure is not available. The *maximum* inlet gas-supply pressure is **10.5"** w.c. on natural gas and **13"** w.c. on propane gas. The propane source must be regulated. (Do not connect this appliance directly to an unregulated propane gas tank - this can cause an explosion.)
- I. The gas piping system must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small, or the run is too long. Gas supply pipe must be  $\frac{1}{2}$ " minimum interior diameter. If the gas line is longer than 20', a larger diameter line may be necessary.
- J. Input ratings shown in BTU per hour are for elevations up to 2,000 ft. For elevations above 2,000 ft., refer to the National Fuel Gas Code or contact manufacturer before installing this product.
- K. This gas appliance and its main gas valve must be disconnected from the gas-supply piping system during any pressure testing of that system at test pressures in excess of  $\frac{1}{2}$  psig.
- L. This gas appliance must be isolated from the gas-supply piping system by closing the equipment shutoff valve connected to the gas-supply line during any pressure testing of the gas-supply piping system at test pressures equal to or less than  $\frac{1}{2}$  psig.
- M. Do not use this appliance if any part has been underwater. 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 underwater.
- N. **A fireplace screen must be in place when the log set is burning.** Provisions for adequate combustion air must be maintained. Unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air. Combustion air is adequate when all flames curl into the fireplace and away from the screen. **When glass fireplace doors are used, operate the gas log set with the doors fully open.**
- O. This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes. Installation of appliances designed for manufactured home (U.S. only) or mobile home installation must conform with the Standard *CAN/CSA Z240 MH, Mobile Housing*, in Canada, or with the *Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280*, in the United States, or when such a standard is not applicable, *ANSI/NCSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard*.



# SPECIFICATIONS

ISO-FLAMES gas log sets must be installed only in a wood burning fireplace with the minimum firebox dimensions and venting requirements met (see table on this page). This appliance is designed to burn with yellow flames; adequate ventilation is absolutely necessary.

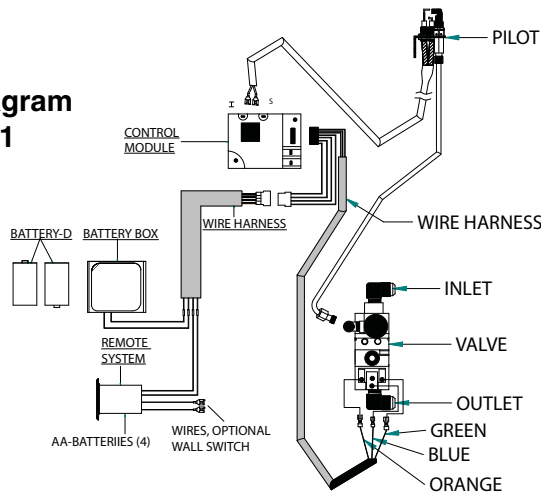
Burner Model	Minimum Fireplace Size				BTU Rating	
	Width		Depth	Height	Natural Gas	Propane Gas
	Front	Rear				
PET-24(N, P)	30"	24"	16"	18"	50k	50k
PET-30(N, P)	36"	30"	16"	18"	65k	65k

**Note:** Rear width is at corresponding depth.

Minimum permanent free opening area of chimney damper for venting				
For factory-built fireplaces			For masonry-built fireplaces	
Chimney height	24"	30"	24"	30"
15'	32 sq. in.	41 sq. in.	36 sq. in.	45 sq. in.
20'	29 sq. in.	37 sq. in.	33 sq. in.	41 sq. in.
25'	28 sq. in.	35 sq. in.	32 sq. in.	39 sq. in.
30'	26 sq. in.	33 sq. in.	30 sq. in.	37 sq. in.

**Note:** The minimum chimney height from hearth to top of chimney is 15'.

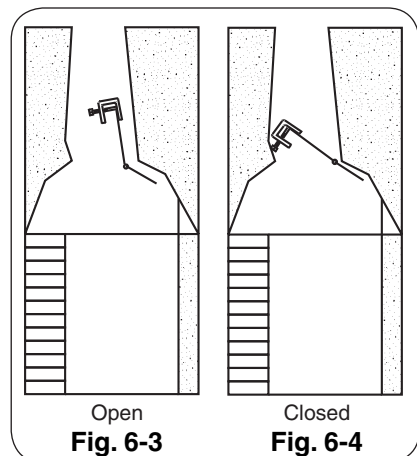
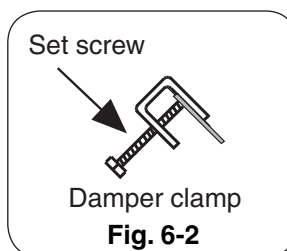
**Wiring Diagram**  
**Fig. 6-1**



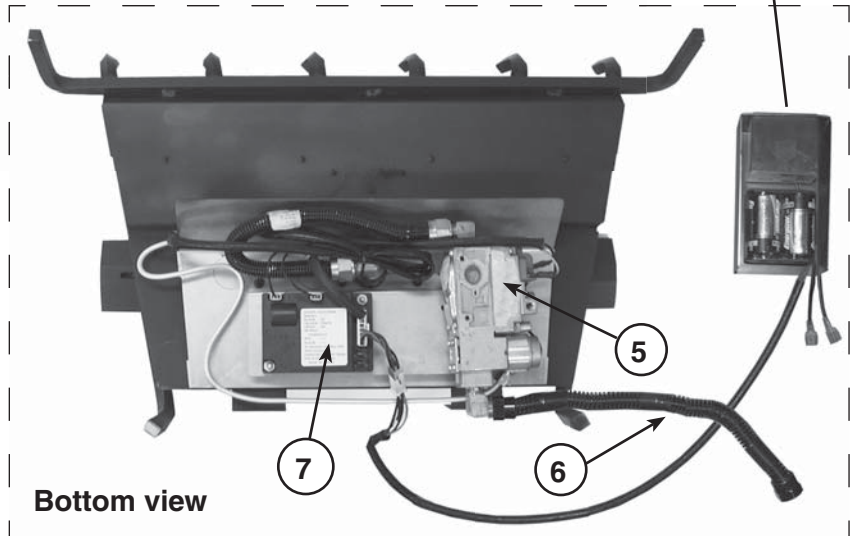
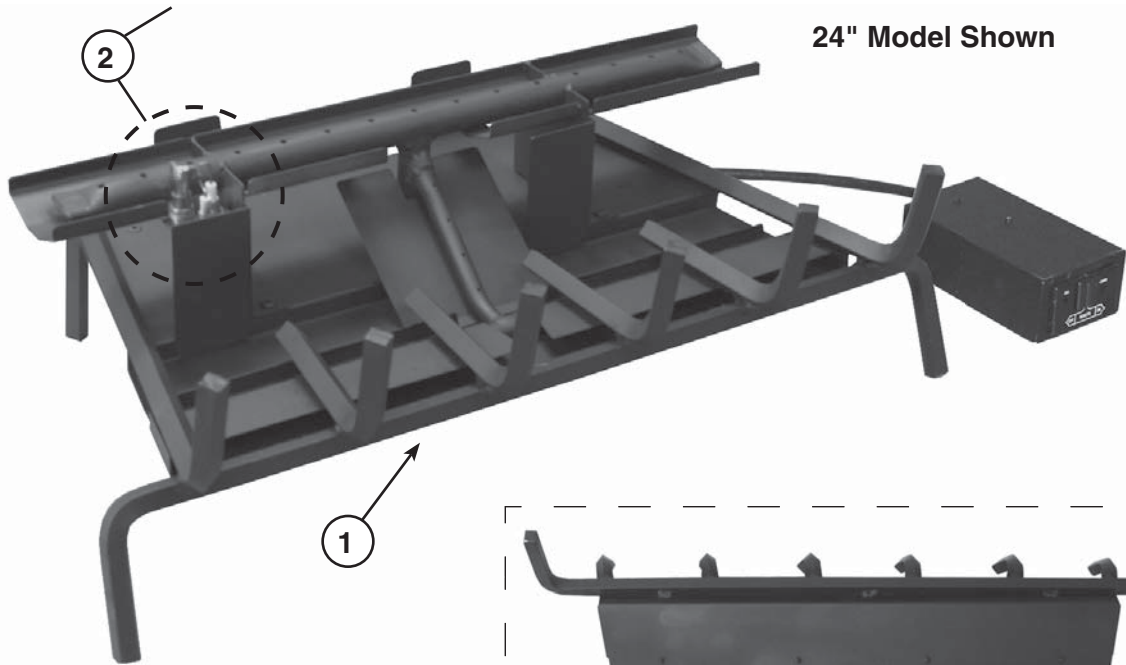
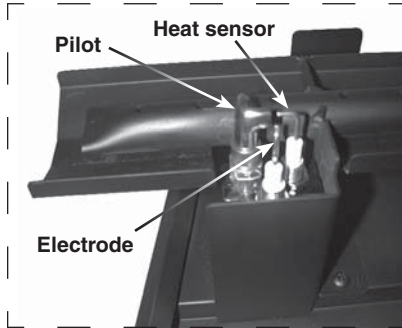
## DAMPER CLAMP INSTRUCTIONS

The damper clamp with hex bolt (Fig. 6-2) is provided as a means to prevent full closure of the damper blade. The clamp is easily attached to most damper blades with pliers or a wrench, and must be permanently installed. The clamp is designed to prevent accidental closure of the damper when installed as illustrated (Fig. 6-3 and Fig. 6-4). Should the clamp not fit, or fail to provide the permanent vent opening listed in the table found above, have a permanent stop installed, remove the damper blade, or have the damper cut to provide the minimum permanent opening required.

**Note:** These are minimum damper opening specifications. The damper must be completely opened when operating this gas appliance to achieve the best ventilation possible.



# BURNER PARTS LIST



Note: Photos not to scale

Replacement parts can be ordered from your local Earthcore dealer.

ITEM NO.	DESCRIPTION
1.	Base assembly with burner and grate
2.	Pilot assembly
3.	Remote receiver box
4.	Remote transmitter
5.	Control valve

ITEM NO.	DESCRIPTION
6.	Flex connector
7.	Control module
8.	Lava coals
9.	Damper clamp
10.	Elbow (1/2" male flare x 1/2" NPT)

## BURNER INSTALLATION

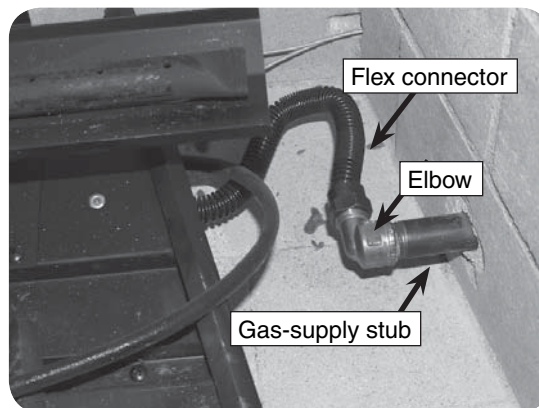
The ISO-FLAMES gas log set must be installed by a qualified professional service technician. Instructions must be followed carefully to ensure proper performance and full benefit from the gas log set. **Check to be sure the log set is designed and labeled for the type of gas (natural or propane gas) supplied to the fireplace. Fireplace floor must be level, clean, and smooth.**

**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.

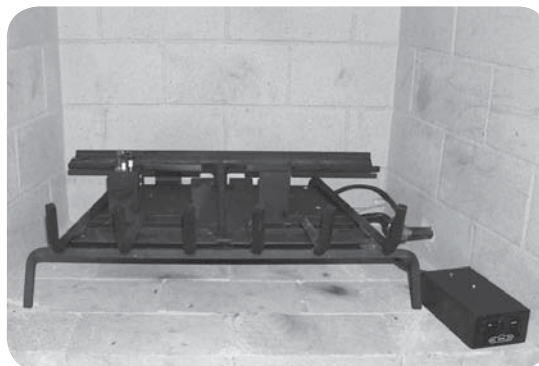
1. MAKE SURE THE FIREPLACE GAS SUPPLY IS TURNED OFF.
2. Place the burner system in the fireplace. Center the burner toward the rear of the fireplace. (Reference Fig. 8-2 for orientation.)
3. Locate the gas-supply stub inside the fireplace and remove the cap, if attached (see Fig. 8-1).
4. Use pipe compound resistant to all gases or Teflon tape to attach the supplied elbow to the gas-supply stub. Then attach the flex connector (coming off of the burner system) to the elbow (see Fig. 8-1).
5. LEAK TEST: Turn on the fireplace gas supply, and test at all connections for leaks using the appropriate soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. NEVER USE A FLAME TO CHECK FOR LEAKS.
6. Place the remote receiver box at the right front corner of the fireplace. Be sure to run its wire in between the two grate legs on the right side of the burner system, and that the wire remains away from the burner system and its flame during operation. (See Fig. 8-2.)

**Note:** Alternately; the box can be placed at the rear right corner of the burner system. Be sure to place its wire towards the back so that it remains away from the burner system and its flame during operation. (See Fig. 8-3.)

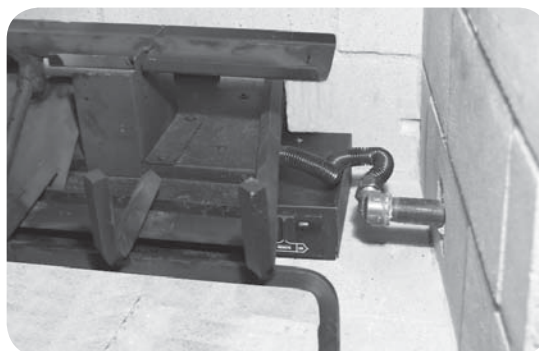
**If optional wall switch was purchased separately; refer to the instructions supplied with the wall switch for installation.**



**Fig. 8-1** Connect gas supply



**Fig. 8-2** Remote receiver box location



**Fig. 8-3** Alternate receiver box location

### **IMPORTANT**

For all valves, the air **MUST** be purged from the gas line before the pilot will light and burn properly. The time needed to purge will depend on the length of the gas line to the unit and the amount of time since the unit or gas line was last used. It may take several minutes before all the air is purged and the pilot will light and burn properly. Reference the LIGHTING INSTRUCTIONS section in this manual.



# GLOWING EMBER & LAVA COAL PLACEMENT

## GLOWING EMBER PLACEMENT

Sprinkle the glowing embers (see LOG PARTS LIST) lightly and evenly over the entire surface of the main burner tray and ember burner bed. **Break up any clumps that may have developed during shipment.**

**Important:** Do not add any additional embers to this log set. Any additional embers may cause unsafe operation.

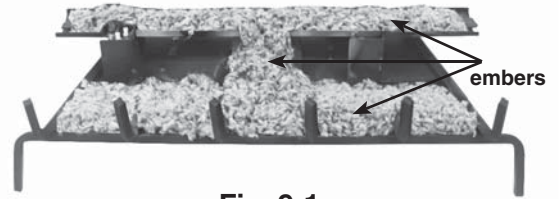


Fig. 9-1

## LAVA COALS (DECORATIVE)

Spread the supplied lava coals (see BURNER PARTS LIST) on the floor of the fireplace, around the front and sides of the burner system. The lava coals may be placed around and on top of the remote receiver box. Leave the front of the box clear for control access.

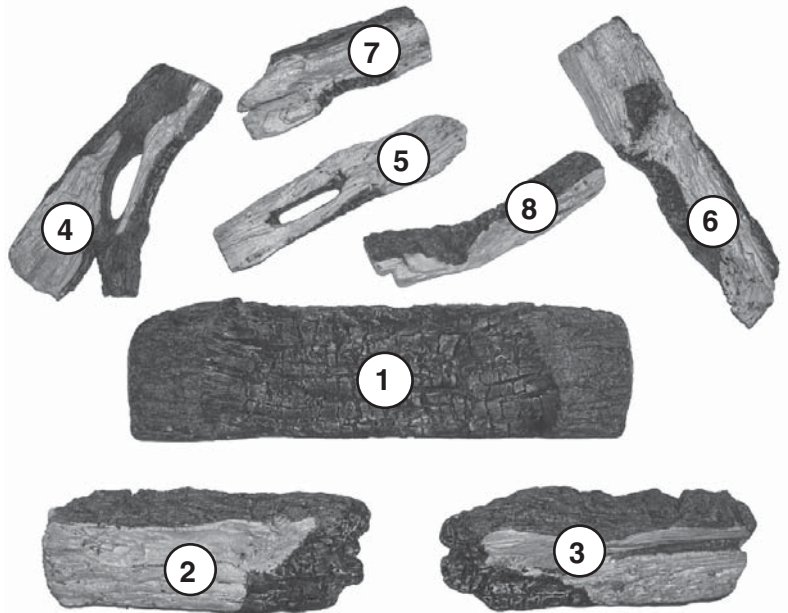
**Note:** DO NOT place any lava coals on the burner system, or behind it.

## LOG PARTS LIST

### 24" & 30" Log Sets

ITEM NO.	DESCRIPTION
----------	-------------

- |    |                   |
|----|-------------------|
| 1. | Bottom rear log   |
| 2. | Bottom left log   |
| 3. | Bottom right log  |
| 4. | Middle left log   |
| 5. | Middle center log |
| 6. | Middle right log  |
| 7. | Top left log      |
| 8. | Top right log     |
| 9. | Glowing embers    |



**Note:** The log set is packed separately.

**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.

## LOG PLACEMENT

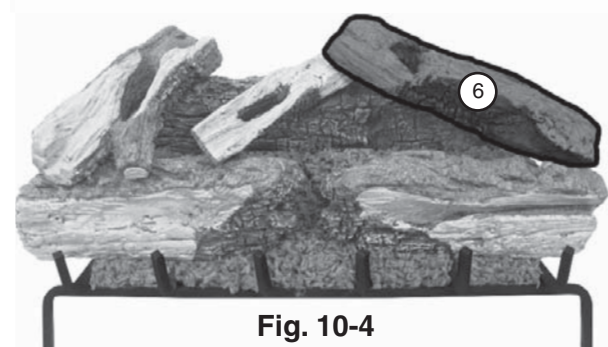
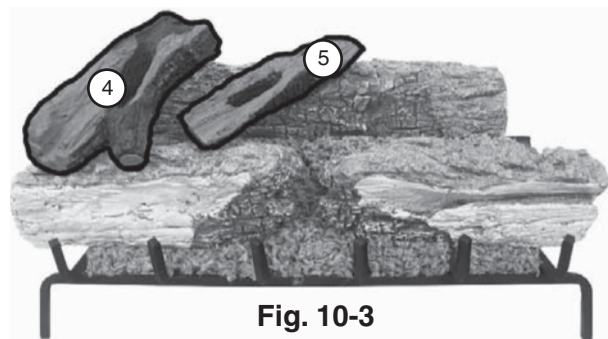
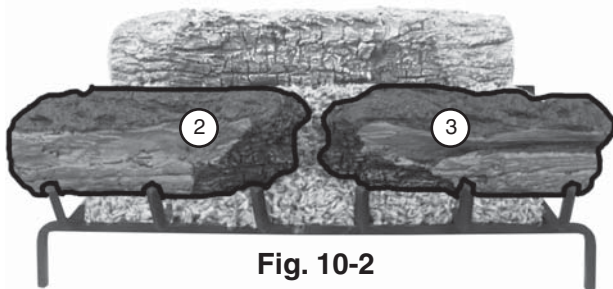
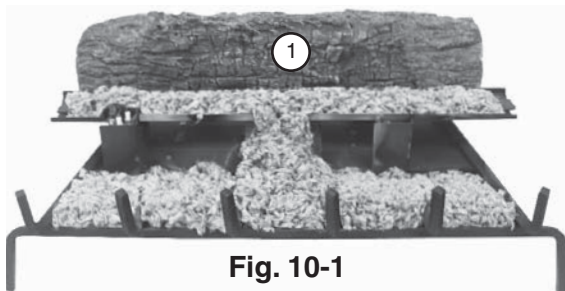
This instruction contains suggested log placement for the Iso-Flames log set. Some flexibility is possible in log placement to suit your individual preference provided excessive sooting does not result from flames striking the logs too directly (see Important below). The suggested log placement will allow for superior flame pattern, appearance, and adequate ventilation. Please read these instructions completely and carefully before beginning.

**Important:** Although there is some flexibility with the log placement, **adequate spacing between the logs is NECESSARY and MUST be maintained**. Some carbon build up (sooting) may occur where the flames strike the logs, and should not be a concern, unless excessive. If sooting is excessive, rearrange the top logs to allow more opening(s) for the flame(s).

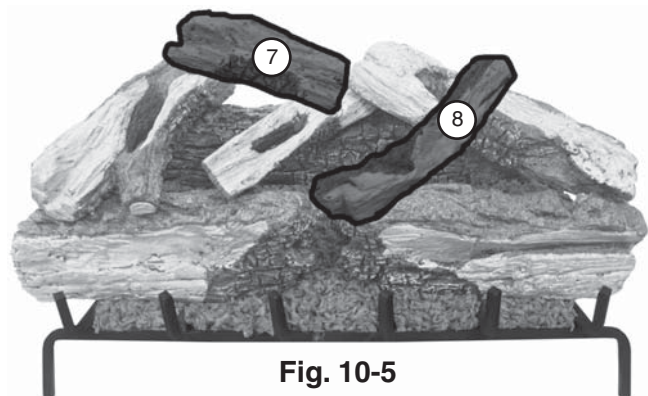
**CAUTION: BURN HAZARD! Logs will remain hot for some time after use. If you need to reposition any log to maintain the proper layout, use heat-resistant gloves or allow logs adequate time to cool before handling.**

**Note:** Highlighting added to improve clarity.

**Each log in this gas log set is numbered here to aid in the log placement procedure.**



1. Prior to log placement, be sure the glowing embers were placed as discussed in the GLOWING EMBER PLACEMENT section.
2. Set the bottom rear **log #1** at the rear of the grate (Fig. 10-1). Center the log, with its back up against the burner tabs.
3. Set the bottom left and right **logs #2-3** at the front of the burner with the charred ends facing inward. Leave a small gap in between the two charred ends. (Fig. 10-2). Center the logs, with their backs up against the burner tabs. (The bottom left log is longer and will slightly stick outward more than the bottom right log.)
4. Position the middle center **log #4** on the left side of the log set, resting on logs #1 and #2 as shown. Position the middle center **log #5** in a similar manner (with more of an angle), toward the center of the log set. (Fig. 10-3.)
5. Position the middle right **log #6** on the right side of the log set, resting on logs #3 and #5 as shown in Fig. 10-4.
6. Position the top left **log #7** at a slight angle on top of logs #4 and #5 as shown. The charred end should rest downward. Complete log placement by positioning the top right **log #8** at an angle on top of log #6, with the bottom end resting in between the charred section of logs #1 and #2 (Fig. 10-5.)



## INSTALLING/REPLACING BATTERIES

**CAUTION: ENSURE THE UNIT IS CONNECTED TO THE GAS LINE AND HAS BEEN TESTED FOR LEAKS BEFORE YOU INSERT BATTERIES.**

### REMOTE TRANSMITTER BATTERY

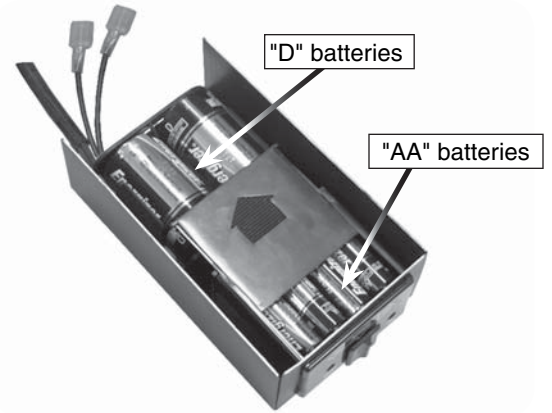
To access the battery, slide open the lid found on the back of the remote transmitter. Replace the old battery with a new "12v" battery. Re-secure the lid.

### REMOTE RECEIVER BATTERIES AND/OR REMOTE RECEIVER BOX BATTERIES

To access the batteries, locate the remote receiver box and turn it over. The exposed "D" battery pack is for electronic ignition. Replace the old batteries with (2) new "D" batteries. (See Fig. 11-1.)

Slide open the lid on the remote receiver to expose the batteries. Replace the old batteries with (4) new "AA" batteries. (See Fig. 11-1.) Replace the lid.

When battery replacement is complete; properly place the remote receiver box in the fireplace as instructed in the BURNER INSTALLATION section of this manual.



**Fig. 11-1** Remote receiver box batteries

# INSTRUCTIONS D'ÉCLAIRAGE

## POUR VOTRE SÛRETÉ, LISEZ AVANT L'ALLUMAGE

**Avertissement :** Si vous ne suivez pas ces instructions exactement, une incendie ou une explosion peut résulter, entraînant des dégâts matériels, le dommage corporel, ou des pertes humaines.

N'employez pas cet appareil si n'importe quelle partie a été sous-marine. Réclamez immédiatement un technicien qualifié de service professionnel pour inspecter l'appareil et pour remplacer n'importe quelle partie du système de contrôle et de n'importe quelle commande de gaz qui a été sous-marine.

AVANT L'ALLUMAGE, sentez tous autour du secteur de brûleur pour le gaz. Soyez sûr de sentir à côté du plancher, car un certain gaz est plus lourd que l'air et arrangerà sur le plancher. **SI VOUS SENTEZ LE GAZ, SUIVEZ LES INSTRUCTIONS À LA PAGE. 1.**

### ÉCLAIRAGE

1. Arrêtez n'importe quel appareil électrique.
2. En fonctionnant à distance ; renversez la commande à distance de récepteur dans la position À DISTANCE, et allumez l'unité en employant l'émetteur à distance.
3. Renversez le commutateur de récepteur à la position de fonctionnement si manuel. Ceci transmet une série rapide d'étincelles à la tête pilote et mettra à feu le gaz.

Les étincelles cessent quand la flamme pilote est allumée et écurie. Après une brève durée, le pilote allumera alors le brûleur principal.

**ATTENTION : SI LE BRÛLEUR NE MET PAS À FEU À MOINS DE 20 SECONDS, ARRÊTEZ L'ATTENTE 5 MINUTES, ALORS RÉPÉTEZ LES ÉTAPES 1. À 3. CI-DESSUS.**

Normalement, le pilote devrait rester Lit. S'il sort, répétez l'étape 2 ou 3.

Si le pilote ne restera pas allumé après que plusieurs essais, tournent le récepteur à AU LOIN et contactez un fournisseur professionnel qualifié de technicien ou de gaz de service.

En plus de ces instructions ; mettez en référence les instructions à distance séparées pour d'autres détails sur le système à distance.

Si facultatif le commutateur de mur a été acheté séparément; référez-vous aux instructions assurées avec le commutateur de mur pour l'éclairage/opération.

### ASPECT PILOTE

Examinez périodiquement le pilote pour assurer le modèle approprié de flamme. La flamme pilote devrait encercler le bout de générateur, et est préréglée à l'usine (voir la Fig. 12-2).

**Si la flamme pilote brûle inexactement ; arrêtez complètement et contactez un technicien qualifié de service professionnel.**

### ARRÊT

1. Renversez simplement le commutateur de récepteur à la position de repos une fois manuellement actionné. L'écoulement de gaz cessera, et toutes les flammes (brûleur et pilote principaux) sortiront.
2. Pour l'opération à distance, appuyez sur AU LOIN le bouton sur l'émetteur.

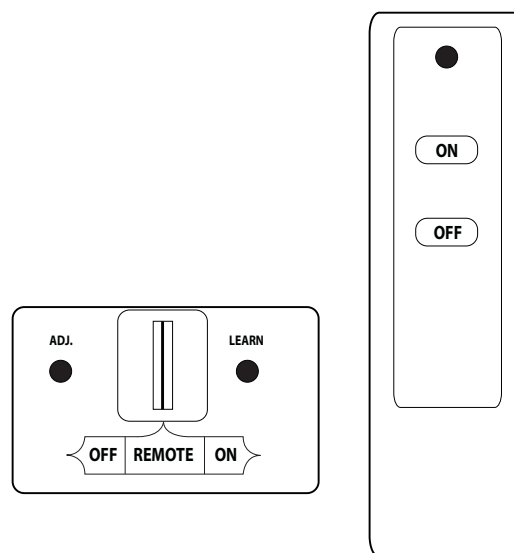


Fig. 12-1 Émetteur & récepteur

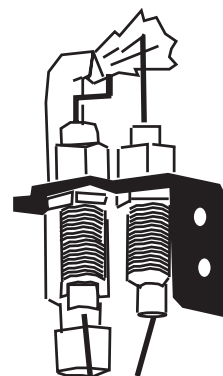


Fig. 12-2 Flamme pilote appropriée



# LIGHTING INSTRUCTIONS

## FOR YOUR SAFETY, READ BEFORE LIGHTING

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

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

BEFORE LIGHTING, smell all around the burner area for gas. Be sure to smell next to the floor, as some gas is heavier than air and will settle on the floor. IF YOU SMELL GAS, FOLLOW THE INSTRUCTIONS ON PG. 1.

### LIGHTING

1. Turn off any electrical appliance.
2. When operating remotely; flip the remote receiver control to the **REMOTE** position, and turn the unit **ON** by using the remote transmitter.
3. Alternately; flip the receiver switch to the **ON** position when manually operated. This transmits a rapid series of sparks at the pilot head and will ignite the gas.

Sparks cease when the pilot flame is lit and stable. after a short time, the pilot will then light the main burner.

**CAUTION: IF THE BURNER DOES NOT IGNITE WITHIN 20 SECONDS, STOP WAIT 5 MINUTES, THEN REPEAT STEPS 1. THRU 3. ABOVE.**

Normally, the pilot should remain lit. If it goes out, repeat step 2 or 3.

If the pilot will not stay lit after several tries, turn the receiver to **OFF** and contact a qualified professional service technician or gas supplier.

In addition to these instructions; reference the separate remote instructions for further details on the remote system.

If optional wall switch was purchased separately; refer to the instructions supplied with the wall switch for lighting/operation.

### PILOT APPEARANCE

Periodically check the pilot for proper flame pattern. The pilot flame should encircle the generator tip, and is preset at the factory (see Fig. 13-2).

**If the pilot flame burns incorrectly; shut down completely and contact a qualified professional service technician.**

### SHUTTING DOWN

1. Simply flip the receiver switch to the **OFF** position when manually operated. The gas flow will cease, and all the flames (main burner and pilot) will go out.
2. For remote operation, press the **OFF** button on the transmitter.

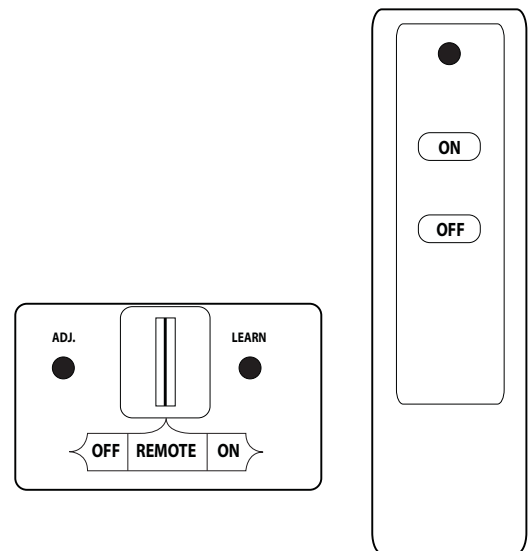


Fig. 13-1 Receiver & Transmitter

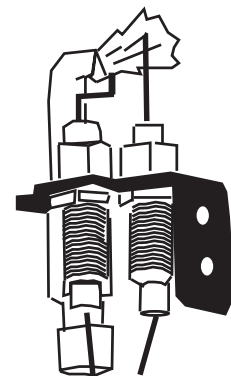


Fig. 13-2 Proper pilot flame

## CLEANING AND SERVICING

**Note:** Regular cleaning and servicing will be necessary to ensure proper pilot operation and proper burn characteristics.

Always shut off the gas to the appliance while performing service work.

Allow the appliance to cool before servicing.

**Installation and repair must be done by an NFI Certified or other qualified professional service technician. The gas log set should be inspected regularly to prevent burner shutdown, sooting, odors, etc. This unit must be inspected and cleaned annually by a qualified professional service technician. It must be checked for clean burning operation and proper pilot appearance, with the correct tools to service this unit. More frequent cleaning may be required.** Excessive lint can build up on this unit from carpeting, bedding material, pet hairs, or other particles in the air. It is critical that all control components, burners, and air shutters be kept clean and free of all obstructions.

In addition, a periodic examination and cleaning of the solid-fuel-burning fireplace venting system should be conducted by a qualified professional service technician.

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

### TO CLEAN THE LOG SET

1. Remove the log set and embers. Use a vacuum cleaner to remove loose particles from all surfaces of the log set. Do not use cleaning fluids.
2. Dust the grate, the assembly, and the burners. Using a compressed air duster (commonly available at computer, electronic, or office supply stores); blow the burner ports and pilot assembly area.
3. Replace batteries as needed.
4. Reinstall the log set and embers as instructed in this manual.

If, after a period of use, the flames start to exhibit unusual shapes and behavior, or the burners fail to ignite smoothly, the burner ports may require some cleaning. If this happens, it is preferable to contact the nearest dealer to get the appliance serviced.

**Do not remove the rating plates or the warning tags. These are an integral safety and identification component of this appliance.**

**We recommend following these instructions at the beginning of each fireplace season and as needed throughout the year, depending on your usage pattern and the environmental conditions in your home. More frequent cleaning and maintenance may be necessary when burning propane gas than with natural gas.**

## FLAME DESCRIPTION

Observe the flames. The main burner flames should be blue at the base and a combination of blue/yellow at the body and at the tips. They should be 5" to 8" above the logs. The ember flames should be 1/4" to 5" above the embers. (See cover photo for example.)

## TROUBLESHOOTING

POSSIBLE CAUSE	SOLUTIONS
<b>1 BURNER SHUTTING DOWN DURING OPERATION</b>	
<b>A.</b> Insufficient or excessive gas pressure	<b>A1.</b> Check gas pressure (check with local gas company). <b>A2.</b> Other gas appliances may be on the same gas line, dropping gas pressure to log set. Check pressures with everything operating to ensure adequate pressure.
<b>B.</b> Log placement	<b>B.</b> Reference the LOG PLACEMENT section in this manual for recommended log positioning.
<b>C.</b> Flue area, fireplace, or damper dirty from soot	<b>C.</b> Clean around, above, and under damper thoroughly. Clean fireplace, removing loose material, including soot and creosote.
<b>D.</b> Fireplace too small for unit	<b>D.</b> Ensure minimum requirements are met. (See FIREPLACE SIZE REQUIREMENT section in this owner's manual.)
<b>E.</b> Pilot flame lifting off thermocouple/generator	<b>E.</b> Check gas pressure (see section A1).
<b>F.</b> Pilot (remote compatible)	<b>F.</b> Contact your dealer for instructions on replacement.
<b>G.</b> Blockages on burner	<b>G.</b> Vacuum any lava granules or material that may have fallen onto burner pipe area.
<b>2 PILOT WILL NOT LIGHT</b>	
<b>A.</b> Pilot flame lifting off thermocouple/generator	<b>A.</b> Check gas pressure (check with local gas company).
<b>B.</b> Electronic spark not lighting pilot	<b>B.</b> Check to assure sparking when activated. <b>Note:</b> You may need to turn or press ignitor several times to ignite pilot. See LIGHTING INSTRUCTIONS for your control valve.
<b>C.</b> Ignitor electrode wire loose	<b>C.</b> Check wiring and reconnect any loose wiring.
<b>D.</b> Gas supply off/manual shutoff valve closed	<b>D.</b> Turn on gas supply or open manual shutoff valve.
<b>E.</b> Air in gas line	<b>E.</b> Bleed the gas supply line and repeat LIGHTING INSTRUCTIONS until air is removed.
<b>F.</b> Pilot hood blocked	<b>F.</b> Check for debris or dirt / Clean pilot
<b>F.</b> Dead batteries (electronic pilots only)	<b>F.</b> Replace batteries as needed.
<b>3 LOW FLAME HEIGHT</b>	
<b>A.</b> Gas pressure	<b>A.</b> Check gas pressure (check with local gas company).
<b>B.</b> Propane tank running low	<b>B.</b> Fill tank completely.
<b>4 BURNER NOT BURNING EVENLY</b>	
<b>A.</b> Burner orifice clogged	<b>A.</b> Clean burner orifice.
<b>B.</b> Top burner lights; bottom burner has delayed ignition.	<b>B1.</b> Check gas pressure. Can be caused by too small of a gas line (See ANSI 223.1/NFPA 54 Piping Guidelines). <b>B2.</b> Low propane tank level. Vacuum burner tube for soot blockage and fill propane tank.
<b>5 ODORS</b>	
<b>A.</b> Gas leak	<b>A.</b> Shut off gas, if possible. Follow instructions on front page. Have a qualified professional installer or the gas company correct all leaks.
<b>B.</b> New home, new carpet, or new paint	<b>B.</b> When these odors are drawn into the fireplace, this may cause objectionable odors. Thoroughly ventilate the area before restarting your log set.

## TROUBLESHOOTING (Cont.)

POSSIBLE CAUSE	SOLUTIONS
<b>6 SOOTING</b>	
<b>A.</b> On logs, in firebox, or room	<b>A.</b> Check gas pressure (check with local gas company).
<b>B.</b> Drafts in room	<b>B.</b> Eliminate drafts by closing heating and air conditioning vents, returns, and outside air vents. Fans blowing directly into fireplace should be turned off when set is operating.
<b>C.</b> Air shutters blocked (if applicable)	<b>C.</b> Air shutters are blocked with debris. Vacuum debris away from air shutter.
<b>D.</b> Log placement	<b>D.</b> See solution in troubleshooting 1B.
<b>E.</b> Using natural-gas burner on propane gas or propane burner on natural gas	<b>E.</b> If the gas listed on the nameplate does not match the gas you are burning, shut down the burner system immediately and completely (including pilot) following the steps in the LIGHTING INSTRUCTIONS section. Then call your dealer.
<b>F.</b> Adding any accessories to log sets	<b>F.</b> Shut down log set and take off any logs or accessories that do not belong with the set.
<b>7 PILOT WILL NOT STAY LIT</b>	
<b>A.</b> Valve won't hold	<b>A.</b> Contact your dealer for instructions on replacement.
<b>B.</b> Pilot hood not aimed at thermocouple	<b>B.</b> Pilot hood bent; replace pilot or angle pilot hood properly so pilot flame hits thermocouple.
<b>C.</b> Pilot line bent	<b>C.</b> Replace pilot line.
<b>D.</b> Thermocouple is loose	<b>D.</b> Tighten thermocouple nut at gas control valve.
<b>E.</b> Thermocouple cracked or worn out	<b>E.</b> Replace thermocouple.
<b>F.</b> Excessive down draft	<b>F.</b> Install chimney cap / Outside chimney too close to other peaks / Check chimney flue for proper height / Poorly designed chimney



## Customer Service

Earthcore Industries, LLC is committed to customer service and exceeding customer expectations. We are available Monday - Friday 8:30 AM to 4:30 PM EST toll free at 800 642-2920 to provide technical assistance and answer any questions you may have.

## Warranty

THE WARRANTY MENTIONED HERE IS ONLY FOR THE ISO-FLAMES GAS LOG SET.

Earthcore Industries 20+ years of success is the result of exceeding customer expectations and as Earthcore looks ahead, this principle remains at the core of Earthcore culture.

You have a ONE YEAR PARTS WARRANTY with Earthcore products.

If you should accidentally break a log, or if there is another issue you may have with the ISO-FLAMES gas log system, please call your Earthcore Industries, LLC authorized dealer or call us directly at 800 642-2920.

It is important for you to register your ISO-FLAMES gas log system with Earthcore. Please complete the warranty card included in this manual on the following page.

1. The ISO-FLAMES gas log burner has a one year warranty against any performance defects.
2. The ISO-FLAMES gas logs have a one year warranty against breakage; except breakage due to mishandling or negligence.
3. If the ISO-FLAMES gas log burner was purchased with a gas control valve, the gas control valve has a one year warranty against any performance defects.
4. All painted surfaces that get wet due to rain, flooding, household pets, wild animals or birds, or get damaged due to negligence or disaster, have no warranty.
5. Embers and lava coal that get wet due to rain, flooding, household pets, wild animals or birds, or get damaged due to negligence or disaster, have no warranty.

# WARRANTY CARD

Please cut along dashed lines and send to:

Earthcore Industries, LLC  
6899 Phillips Industrial Blvd.  
Jacksonville, FL 322 56

Attn: Technical Department

## Warranty Card

Date of Purchase: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Gas Log Burner Size: 24" 30" (Circle One)

Gas Control Valve Type: remote control safety pilot

Gas Type: Natural Gas or Liquid Propane (LP) (Circle One)

Comments:

Purchased from:

Name: \_\_\_\_\_

City, State: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Installed by:

Name: \_\_\_\_\_

City, State: \_\_\_\_\_

Phone Number: \_\_\_\_\_