RH PETERSON CO.

realfyre PREMIUM GAS LOGS

INSTALLATION & OWNER'S MANUAL

Standard and Stainless Steel Burner Systems:

G45-GL- ** (P)A
G45-GL- ** -02(M)(P)(-SS)
G45-GL- ** -11(M)(P)
G45-GL- ** -15(M)(P)
G45-GL- ** -17(M)(P)

****Sizes:**
(16/19, 18, 24, 30, 36)

Regulated burner system for use w/ propane or natural gas

DESIGN CERTIFIED
to
Vented Decorative Appliance
ANSI Z21.60
CSA 2.26

FOR INSTALLATION IN SOLID-FUEL BURNING FIREPLACES*

G45-GL VENTED GAS BURNER SYSTEMS

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 service technician, 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 UNIT.

The burner system 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, which must be permanently installed, is included to maintain the minimum permanent vent opening and to prevent full closure of the damper.

The chimney damper MUST be fully opened when burning the unit. The unit is designed to burn with yellow flames; thus adequate ventilation is absolutely necessary.

This appliance is designed as an attended appliance. DO NOT leave this appliance burning when unattended.

To comply with certification, listings, and building code acceptances, and for safe operation and proper performance of this burner system, use ONLY Peterson parts and accessories. Use of other controls, parts, and accessories that are not designed for use with Real Fyre burner systems 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.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

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

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

PFS® C US

RH PETERSON CO.

realfyre PREMIUM GAS LOGS

INSTALLATION ET MODE D'EMPLOI

Standard et Inoxydable

Systèmes de brûleur d'acier:

G45-GL- ** (P)A
G45-GL- ** -02(M)(P)(-SS)
G45-GL- ** -11(M)(P)
G45-GL- ** -15(M)(P)
G45-GL- ** -17(M)(P)

****Tailles:**
(16/19, 18, 24, 30, 36)

CONCEPTION CERTIFIÉE
à
Vented Decorative Appliance
ANSI Z21.60
CSA 2.26

POUR L'INSTALLATION DANS LE COMBUSTIBLE SOLIDE DE BRÛLANT FIREPLACES*

Système de brûleur réglementé l'usage du propane ou du gaz naturel

G45-GL SYSTÈMES DE BRÛLEURS À GAZ VENTILÉS

AVERTISSEMENT

Si l'information en ce manuel n'est pas suivie exactement, une incendie ou une explosion peut résulter, entraînant des dégats 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.

Installation et entretien doivent être effectués par un technicien professionnel qualifié de service, un organisme 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.

PFS® C US

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

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

IMPORTANT: LISEZ CES INSTRUCTIONS SOIGNEUSEMENT AVANT DE COMMENCER L'INSTALLATION DE L'UNITÉ.

Le Real Fyre système de brûleur 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 l'unité. L'unité est conçue pour brûler avec les flammes jaunes; ainsi à ventilation proportionnée est absolument nécessaire.**

Cet appareil est conçu comme un appareil surveillé. NE laissez PAS cet appareil brûler sans surveillance.

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 ce système de brûleur, utilisent SEULEMENT des pièces et des accessoires de Peterson. L'utilisation d'autres commandes, pièces, et accessoires qui ne sont pas conçus pour l'usage avec de Real Fyre systèmes de brûleur est interdite et videra toutes les garanties, certifications, listes, et approbations de codes du bâtiment, et peut causer des dégats 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. **FAITES ATTENTION: Sinon installé, entretenu, et utilisé correctement par ces instructions, ce produit peut causer le dommage corporel, les dégats matériels, ou les pertes humaines sérieux.**

B. **AVERTISSEMENT:** Quand 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.

C. Le plancher du foyer doit être plat et lisse.

D. 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.

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.

E. LA PRESSION DE GAZ INSUFFISANTE GARDERA LE PILOTE DU FONCTIONNEMENT CORRECTEMENT (SI ÉQUIPÉ). N'EMPLOYEZ PAS SI LA PRESSION DE GAZ EST INFÉRIEURE À LA CONDITION MINIMUM.

F. La pression d'entrée *minimale* de l'alimentation en gaz aux fins du réglage de l'entrée est de **5"** colonne d'eau (w.c.) sur le **gaz naturel** et de **11"** w.c. sur le **gaz L.P.** Une pression de gaz insuffisante affectera le bon fonctionnement du appareil. N'installez pas cet appareil à gaz si la pression minimale n'est pas disponible. La pression maximale d'alimentation en gaz d'entrée est de **10,5"** w.c. sur le gaz naturel et de **13"** w.c. sur le gaz L.P. La source L.P. doit être régulée, située à l'extérieur et revêtue d'un revêtement dur (un tuyau rigide doit entrer dans le foyer). **NE connectez PAS cet appareil à un réservoir / une bouteille de gaz propane non réglementé. NE PAS placer le réservoir / cylindre à l'intérieur de la maison. NE PAS faire passer un tuyau en caoutchouc ou un connecteur flexible dans le foyer. Le non-respect de ces exigences peut provoquer une explosion, des dommages matériels, des blessures corporelles ou la mort.**

G. **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. Reportez-vous aux directives NFPA 54 pour plus de détails.

H. 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.

I. 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.

J. 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.

K. **Pour installer l'appareil à gaz dans votre foyer, le foyer doit satisfaire aux exigences minimales de taille (voir le tableau des spécifications du produit dans la section SPÉCIFICATIONS).**

L. 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.

M. **NE PAS installer ce système de brûleur dans un foyer avec une lèvre en cendres ou un renfoncement supérieur à $^3/_4$".**

N. Si ce système de brûleur est installé dans un foyer avec **des portes en verre** et que les portes ont un cadre qui obstrue le flux d'air vers le sol du foyer, celui-ci DOIT comporter des fentes (au-dessus du sol du foyer) permettant une ventilation adéquate. L'ouverture (avec les portes complètement ouvertes) DOIT respecter les exigences minimales de largeur et de hauteur de la cheminée. Les portes en verre DOIVENT être complètement ouvertes lorsque le brûleur est en marche.Voir la section SPÉCIFICATIONS pour plus de détails.

O. SEULS LES SUPPORTS DÉCORATIFS REAL FYRE SONT APPROUVÉS POUR UNE UTILISATION AVEC CE PRODUIT. Voir les sections medi dans les spécifications pour plus de détails. Une installation correcte du média (et du brûleur) est impérative pour un fonctionnement sûr de votre appareil. Des problèmes se **PRODUIRONT** si tous les éléments ne sont pas correctement installés.

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. 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.

B. WARNING: When 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.

C. The fireplace floor must be level and smooth.

D. 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.

CHECK GAS TYPE (natural or L.P.): 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.

E. INSUFFICIENT GAS PRESSURE WILL KEEP THE PILOT (IF EQUIPPED) FROM OPERATING PROPERLY. DO NOT USE IF GAS PRESSURE IS LOWER THAN THE MINIMUM REQUIREMENT.

F. 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 **L.P. gas**. Insufficient gas pressure will affect proper operation of the unit. 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 L.P. gas. **The L.P. source must be regulated, located outside, and hard-lined in (rigid pipe must come into the fireplace). DO NOT connect this appliance to an unregulated L.P. gas tank/cylinder. DO NOT locate the tank/cylinder inside of the home. DO NOT run a rubber hose or flex connector into the fireplace. Failure to follow these requirements can cause an explosion, property damage, personal injury, or loss of life.**

G. 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 $^1/_2$" minimum interior diameter. If the gas line is longer than 20', a larger diameter line may be necessary. Refer to the NFPA 54 guidelines for further details.

H. 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.

I. 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 $^1/_2$ psig.

J. 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 $^1/_2$ psig.

K. To install the gas appliance in your fireplace, the fireplace MUST meet the minimum size requirements (see product specifications table in SPECIFICATIONS section).

L. 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.

M. DO NOT install this burner system in a fireplace with an ash lip or recess greater than $^3/_4$".

N. If this burner system is installed in a fireplace with **glass doors**, and the doors have a frame that obstructs airflow to the fireplace floor, the frame MUST have slots (above the fireplace floor) that allow adequate ventilation. The opening (with doors fully open) MUST meet the minimum fireplace size front width and height requirements. The glass doors MUST be fully open when the burner is in operation. See the SPECIFICATIONS section for details.

O. ONLY REAL FYRE DECORATIVE MEDIA IS APPROVED FOR USE WITH THIS PRODUCT. See the MEDIA sections found under SPECIFICATIONS for details. Correct installation of the media (and burner assembly) is imperative to safe operation of your appliance. Problems **WILL** occur if all items are not properly installed.

INFORMATIONS SUR LA SÉCURITÉ D'EXPLOITATION DE CHEMINÉE

A. Des adultes DOIVENT être présents lorsque cet appareil à gaz fonctionne. Cet appareil NE DOIT PAS être laissé allumé sans surveillance ou pendant que quelqu'un dort.

B. Gardez le domaine du clair réglé de notation de gaz et libérez des matériaux combustibles, l'essence, et d'autres vapeurs et liquides inflammables.

C. Ne pas utiliser cet appareil si une partie quelconque a été submergée. Appelez immédiatement un technicien de service qualifié pour inspecter l'appareil et pour remplacer toute pièce du système de contrôle et toute commande de gaz qui a été sous l'eau. Tentative d'opération peut entraîner un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

D. **Una pantalla de la chimenea debe ser en el lugar cuando el sistema está quemando.** Las provisiones para el aire de combustión adecuado deben ser mantenidas. A menos que otras provisiones para el aire de combustión se proporcionen, la pantalla tendrá una abertura para la introducción de aire de combustión. El aire de combustión es adecuado cuando todas las llamas se encrespan en la chimenea y lejos de la pantalla. **Lorsque vous utilisez un foyer (porte) en verre, les portes en verre DOIVENT être complètement ouvertes lorsque le brûleur est en marche.**

E. Ne retirez pas les plaques signalétiques ou les étiquettes d'avertissement. Ceux-ci sont une composante de sécurité et d'identification intégrante de cet appareil.

F. Assurez-vous de lire la section de nettoyage et l'entretien et la section de description de la flamme.

FIREPLACE OPERATING SAFETY INFORMATION

A. Adults MUST be present when this gas appliance is operating. This appliance MUST NOT be left burning when unattended or while anyone is sleeping.

B. Keep the area of the gas burner system clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

C. 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. Attempted operation may result in fire or explosion resulting in property damage, personal injury or loss of life.

D. **A fireplace screen must be in place when the system 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 a glass fireplace enclosure (door) is used, the glass doors MUST be fully open when the burner is in operation.**

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

F. Be sure to read the CLEANING AND SERVICING and FLAME DESCRIPTION sections.

SPECIFICATIONS

Real Fyre gas burner systems must be installed only in a wood burning fireplace with the minimum firebox dimensions and venting requirements met (see following tables). This appliance is designed to burn with yellow flames; adequate ventilation is absolutely necessary.

Product Specifications

Burner Model	BTU Rating	
	Nat. Gas	L.P. Gas
G45-GL-16/19	35k	28k
G45-GL-18/20	55k	38k
G45-GL-24	60k	50k
G45-GL-30	75k	60k
[G45-GL-36]	100k	70k
[G45-GL-42]	105k	85k
[G45-GL-48]	110k	90k
[G45-GL-60]	120k	105k

Table 1 - Product BTUs

Burner Model (MATCH-LIT) (NAT. GAS ONLY)	Minimum Fireplace Size			
	Width *		Depth ‡	Height
	Front	Rear †		
G45-GL-16/19	18"	15"	12"	16"
G45-GL-18/20	23"	17"	12"	16"
G45-GL-24	27"	22"	12"	16"
G45-GL-30	33"	26"	12"	16"
[G45-GL-36]	39"	33"	12"	16"
[G45-GL-42]	45"	39"	12"	16"
[G45-GL-48]	52"	44"	12"	16"
[G45-GL-60]	63"	55"	12"	16"

Table 2 - Minimum Fireplace Size: Match-lit (burner only)

Burner Model (WITH SAFETY PILOT KIT) (NAT. OR L.P. GAS) ▲	Minimum Fireplace Size			
	Width *		Depth ‡	Height
	Front	Rear †		
G45-GL-16/19	26"	22"	12"	16"
G45-GL-18/20	29"	25"	12"	16"
G45-GL-24	34"	29"	12"	16"
G45-GL-30	39"	34"	12"	16"
[G45-GL-36]	46"	39"	12"	16"
[G45-GL-42]	51"	45"	12"	16"
[G45-GL-48]	58"	52"	12"	16"
[G45-GL-60]	69"	63"	12"	16"

Table 3 - Minimum Fireplace Size: Burner with safety pilot kit

Important Information Regarding Dimensions

* These required widths allow for centering of the unit.

† Rear width is at corresponding depth.

‡ If an ash lip exists, the depth requirement begins inside of the lip (see FIREPLACE REQUIREMENTS section on following page).

[ ] Bracketed models indicate non-listed models.

▲ **For Nat. gas models, a safety pilot kit is optional. For L.P. models, a kit is <u>required</u> (use the included SPK-26P, or an optional kit). See SAFETY PILOT KITS section on following page for more details.**

Note: Table 3 dimensions apply for all safety pilot kits.

Safety Control Valve Systems

THIS UNIT COMES WITHOUT A VALVE INSTALLED. NATURAL GAS MODELS CAN BE INSTALLED DIRECTLY TO AND OPERATED BY YOUR FIREPLACE VALVE. FOR PROPANE MODELS, AN SPK SAFETY PILOT KIT IS INCLUDED AND MUST BE INSTALLED WITH THE BURNER.

Alternatively, your burner system can be installed with one of the optional R.H. Peterson safety control valve systems (see below). Contact your local Real Fyre dealer when ordering.

To comply with certification, listings, and building code acceptances, and for safe operation and proper performance of this burner system, you must use ONLY R.H. Peterson parts and accessories.

Description	Model
Low Profile, Safety Pilot Kit	SPK-26(P)
High Capacity, Automatic Pilot Kit with basic transmitter & receiver	APK-10(P)
Automatic Pilot Kit with basic transmitter & receiver	APK-11(P)
Variable, Automatic Pilot Kit with basic transmitter & receiver	APK-15(P)
Low Profile, Variable, Automatic Pilot Kit with basic transmitter & receiver	APK-17(P)
Electronic Pilot Kit with on/off basic transmitter & receiver	EPK-2(P)
110 Volt Powered Electronic, non-standing pilot system	EPK-2M-AD(/LP)
110 Volt Powered Electronic, non-standing pilot system with variable flame height control	EPK-2V(P)-TR
High Capacity, 110 Volt Powered Electronic, non-standing pilot system w/variable flame height control	EPK-3V(P)-TR
Electronic Pilot System with hot surface ignition and smart valve	EPK-05(P)
Manual On/Off Valve with extension and knob handle or rod handle	AV-17 / AV-18

Table 4 - Optional Safety Control Valve Systems

Fireplace Requirements

These requirements MUST be met:

Ash Lip/Recess

DO NOT install this burner system in a fireplace with an ash lip or recess greater than $^3/_4$". See Fig. 6-1.

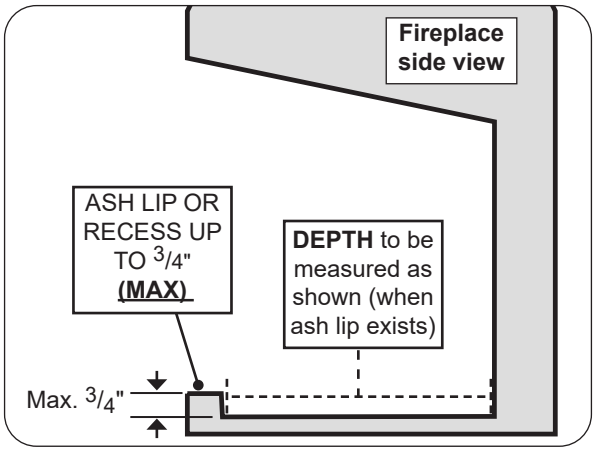


Fig. 6-1 Ash lip/recess detail

Fireplace Requirements (cont.)

Glass Doors

If this burner system is installed in a fireplace with glass doors, and the doors have a frame that OBSTRUCTS AIRFLOW to the fireplace floor, the frame MUST have slots (above the fireplace floor) that allow adequate ventilation. See Fig. 7-1.

Important: The opening (with doors fully open) MUST meet the minimum fireplace size front width and height requirements. See Table 1 (previous page) and Fig. 7-1.

Important: The glass doors MUST be fully open when the burner is in operation.

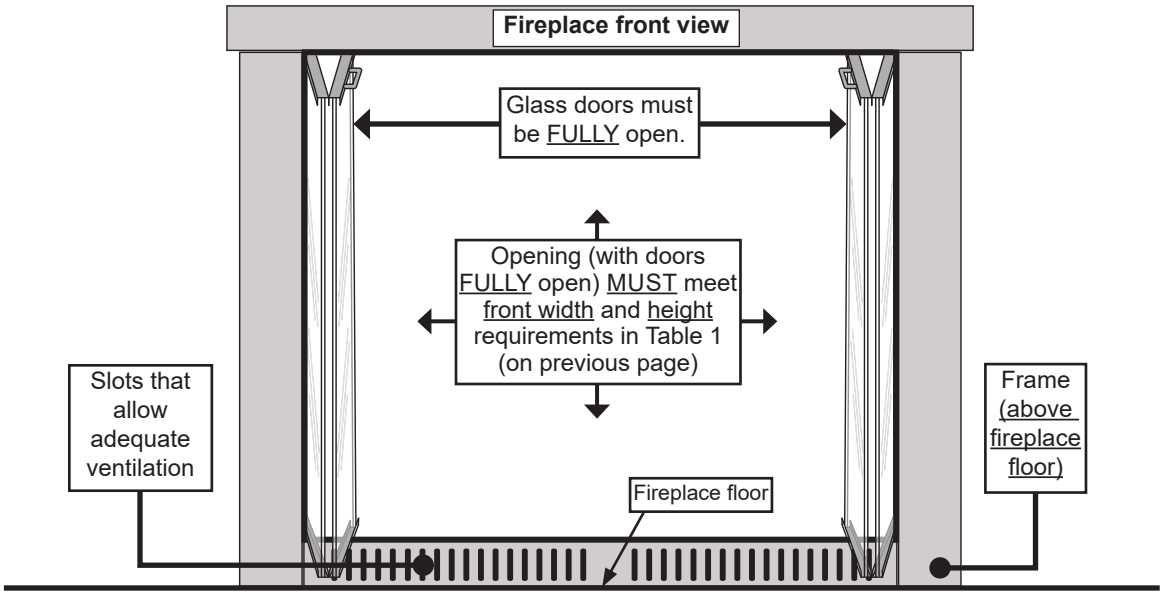


Fig. 7-1 Correct glass-doors frame setup, ventilation, and use (if applicable)

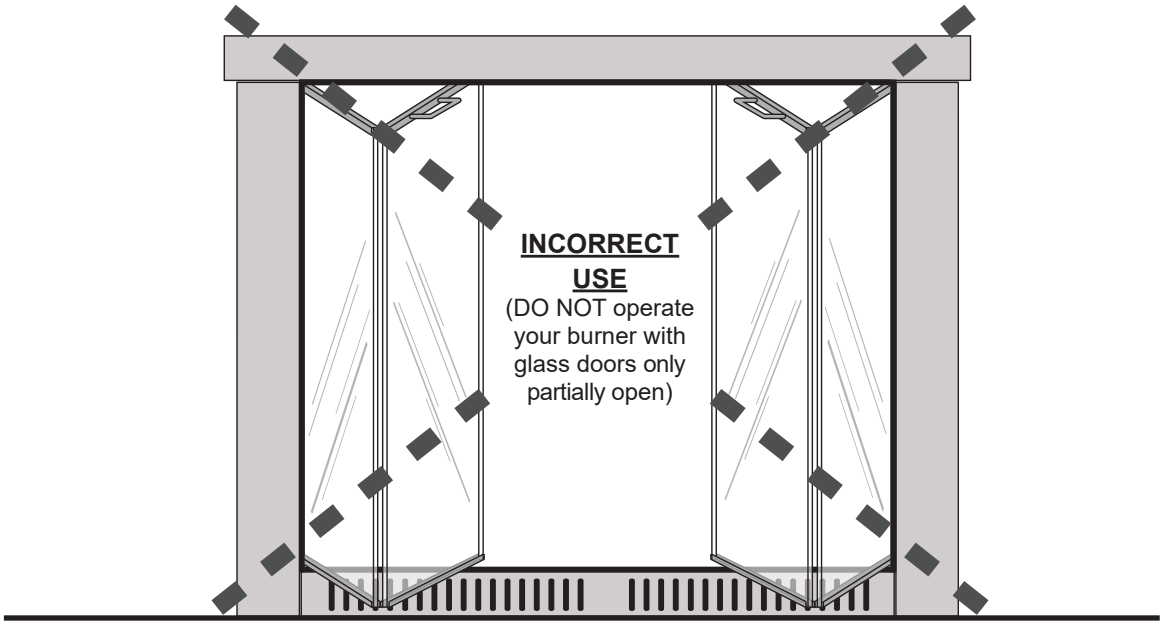


Fig. 7-2 Incorrect glass-doors frame setup, ventilation, and use (if applicable)

Only the Real Fyre decorative media options listed below are approved for use with this product. Follow the guidelines to determine the recommended amount of decorative media needed to cover your burner / fill your fireplace floor. All decorative media options are purchased separately; contact your local Real Fyre dealer when ordering.

REQUIRED BASE MEDIA

Sand / vermiculite (included with burner) **MUST** first be placed to fill the burner pan.

PRIMARY MEDIA OPTIONS

A. Cover Burner Only (minimum requirement)

Glass/gems (purchased separately) **MUST** be placed to cover the burner (at minimum).

	Burner size							
	16/19	**18**	**24**	**30**	**36**	**42**	**48**	**60**
Recommended Amount of Glass/Gems	10 lbs	10 lbs	10 lbs	10 lbs	20 lbs	20 lbs	20 lbs	30 lbs

- OR -

B. Fill Entire Fireplace (optional)

Glass/gems (purchased separately) can be placed to fill the entire fireplace floor. Determine the correct amount needed (via online calculator or manual formula).

A calculator is available online to determine the correct media amount needed.
Visit realfyre.com/recommended-media/ or simply scan the QR code on the right.

Alternatively use the charts and steps 1-5 below.

Important: Relative to the slope of the burner, the height of glass media directly above the burner **MUST NOT** exceed 1". The website calculation (or formula below) allows for this requirement.

Determine the volume of area to be filled, then subtract a portion of the burner's volume. Finish by dividing by the glass/gems coverage amount.

Burner Volume to be Subtracted (cu. in.)							
Burner Size							
16/19	**18**	**24**	**30**	**36**	**42**	**48**	**60**
88	106	130	166	202	239	275	347

Glass/Gems Coverage Amount
16 cubic inches per lb

1. Determine the square area of the fireplace floor.
2. Multiply amount by 2 (for required 2" cubic height).
3. Subtract portion of burner's volume (see chart).
4. Divide by coverage amount: 16.
5. This is the number of pounds needed.

*Example using **G45-GL-24** in single-sided trapezoid fireplace:*

Volume Formula: $\frac{(FW + RW)}{2} \times D \times H$

Front Width: 34" Rear Width: 28" Depth: 12" Height: 2" (set height)

1. $\frac{(34 + 28)}{2} \times 12 = 372$ *sq. in.*
2. *372 x 2 = 744 cu. in.*
3. *744 - 130 (per chart above) = 614 cu. in.*
4. *614 / 16 (per chart above)* = **38 lbs** (rounded)

SECONDARY MEDIA OPTIONS (optional)

Secondary options such as river stones / geo shapes / glass nuggets / (purchased separately) may also be placed on top of the glass media.

DAMPER CLAMP INSTRUCTIONS

The damper clamp with hex bolt (Fig. 9-1) 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. 9-2). Should the clamp not fit, or fail to provide the permanent vent opening listed in Table 3 below, have a permanent stop installed, remove the damper blade, or have the damper cut to provide the minimum permanent opening required.

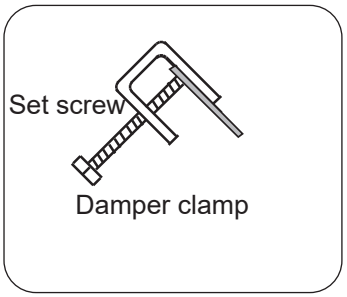


Fig. 9-1 Damper clamp detail

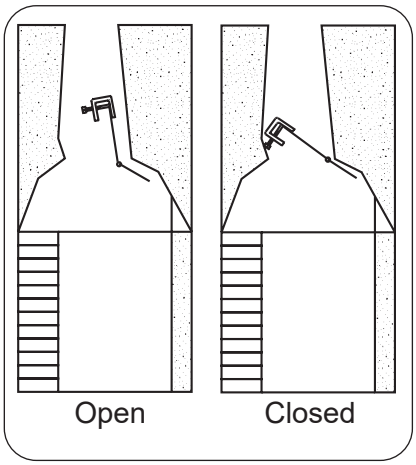


Fig. 9-2 Damper open / closed

Venting Requirements

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

Minimum permanent free opening area of chimney damper for venting (sq. in.)								
	For factory-built fireplaces							
Chimney height	**16/19"**	**18"**	**24"**	**30"**	**36"**	**42"**	**48"**	**60"**
15'	15	24	27	36	47	50	52	62
20'	13	21	23	29	43	45	46	56
30'	11	16	18	23	34	36	38	45
	For masonry-built fireplaces							
15'	23	30	38	46	60	62	65	70
20'	22	27	35	42	54	57	59	63
30'	20	25	32	38	49	51	53	57

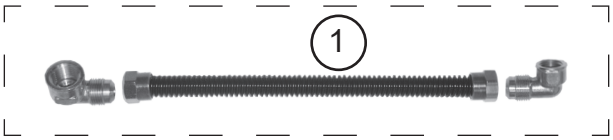
Table 5 - Minimum Chimney Damper Vent Opening Requirements

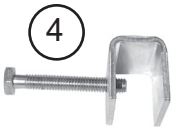
THESE ARE MINIMUM DAMPER OPENING SPECIFICATIONS.

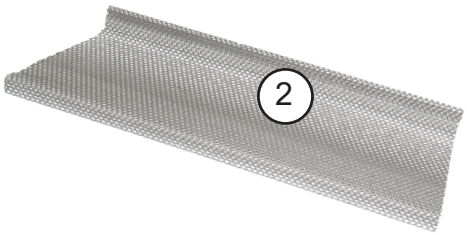
THE DAMPER MUST BE COMPLETELY OPENED WHEN OPERATING THIS GAS APPLIANCE TO ACHIEVE THE BEST VENTILATION POSSIBLE.

G45-GL BURNER REPLACEMENT PARTS LIST

24" burner model shown







Note: Photos not to scale

Replacement parts can be ordered from your local Real Fyre dealer.

Glass/gems are purchased and packaged separately; contact your local Real Fyre dealer when ordering.

For propane models, refer to separate PARTS LIST supplied with the pilot kit.

		16/19" model		18" model		24" model		30" model		36" model	
Item	**Description**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**
1.	Flex connector (w/ adapters), 1/2" O.D. x 12"	CK-5	1	CK-5	1	CK-5	1	CK-5	1	CK-5	1
2.	Separator screen	SC-5	1	SC-6	1	SC-7	1	SC-8	1	SC-9	1
3.	Sand (natural gas)	CS-8	1	CS-8	1	CS-10	1	CS-12	1	CS-15	1
or	Vermiculite (propane gas)	LF-15-3.5	1	LF-15-3.5	1	LF-15-7	1	LF-15	1	LF-15-7	2
4.	Damper clamp	DC-1	1	DC-1	1	DC-1	1	DC-1	1	DC-1	1

		42" model		48" model		60" model	
Item	**Description**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**
1.	Flex connector (w/ adapters), 1/2" O.D. x 12"	CK-5	1	CK-5	1	CK-5	1
2.	Separator screen	SC-13	1	SC-11	1	SC-12	1
3.	Sand (natural gas)	CS-10	2	CS-15 CS-10	1 1	CS-15	2
or	Vermiculite (propane gas)	LF-15 LF-15-7	1 1	LF-15	2	LF-15 LF-15-7	2 1
4.	Damper clamp	DC-1	1	DC-1	1	DC-1	1

The Real Fyre burner system must be installed by a qualified professional service technician. Instructions must be followed carefully to ensure proper performance and full benefit from the burner system. **Check to be sure the burner system is designed and labeled for the type of gas (natural or propane gas) supplied to fireplace. Fireplace floor must be level, clean, and smooth (see FIREPLACE SAFETY INFORMATION section).**

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.

REFER TO THE PARTS LIST WHEN FOLLOWING INSTALLATION INSTRUCTIONS.

If your burner is to be installed with a pilot kit (required for L.P. models), carefully follow the instructions supplied with the pilot kit for specific setup. Then return to the following SAND/VERMICULITE AND SCREEN section to continue with installation.

The burner pan is supplied with an air mixer for propane gas or a fuel injector for natural gas. **The air mixer / fuel injector must be used in ALL installations.** The air mixer / fuel injector has a precisely sized orifice to ensure only the proper amount of gas enters the burner. This allows maximum performance and gas conservation.

16" burner model shown here.

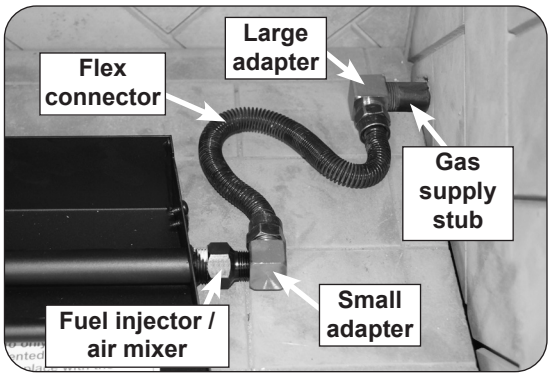


Fig. 11-1 Connect gas supply

BURNER INSTALLATION

1. MAKE SURE FIREPLACE GAS SUPPLY IS TURNED OFF.
2. Locate the gas-supply stub inside the fireplace and remove the cap, if attached (reference Fig. 11-1).

CAUTION: When removing the cap, make sure the stub does not turn, loosening the connection inside the wall.

3. Remove the small adapter connected to the flex connector (included). Attach the adapter to the fuel injector / air mixer found on the side of the burner pan using a pipe compound resistant to all gasses. Tighten securely. Then attach the flex connector to the adapter. Tighten securely (See Fig. 11-1).

Important: DO NOT remove the fuel injector / air mixer.

4. Place the burner system in the fireplace. Center the burner from left to right in the fireplace. See Fig. 11-2.
5. **Be sure gas to the fireplace is off.** Remove the large adapter connected to the flex connector. Attach the adapter to the gas-supply stub using a pipe compound resistant to all gasses. Tighten securely. Then attach the flex connector to the adapter. Tighten securely. See Fig. 11-1. Ensure the pan rests level on the fireplace floor after connection. Adjust the pan if necessary.
6. LEAK TEST: Use a long-necked butane lighter, or lay a lighted match next to the burner pipe, and carefully turn on the gas supply until the burner ignites. Test at all connections for leaks using the appropriate soapy water solution. See Fig. 11-3. 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.

   Turn off the gas supply and allow unit to completely cool prior to proceeding.

Fig. 11-2 Center burner in fireplace

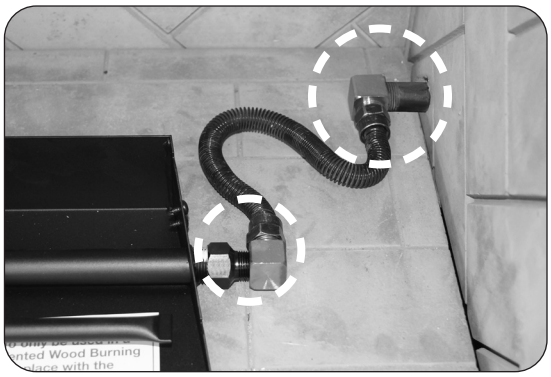


Fig. 11-3 Perform leak test

SAND/VERMICULITE AND SCREEN PLACEMENT

The sand/vermiculite supplied with the unit is specially selected for use with either natural or propane gas. It maximizes flame distribution and provides a cleaner burning flame.

CAUTION: Use only sand for natural gas burners and vermiculite for propane gas burners.

1. Partially fill the burner pan with the sand/vermiculite until it rests at a level toward the top of the burner tubes as shown in Fig. 12-1.
   - Pack the sand/vermiculite down around the tubes.
   - Slope the sand/vermiculite in the front portion of the pan (see Fig. 12-3).
   - Leave space within the pan to allow for screen and glass placement.
   - **If a pilot kit has been installed, avoid spilling the sand/vermiculite on the pilot assembly. DO NOT place sand/vermiculite on any other parts of the burner, valve, or heat shield.**
   - Store excess sand/vermiculite in a safe location.
2. Place the separator screen over the sand/vermiculite and pan. The rear of the screen must hook over the rear of the burner pan as shown in Fig. 12-2 and Fig. 12-3.

- The screen must correctly rest onto the burner pan.
- If the front of the screen rises up from the floor of the pan, bend it downward as needed.
- If the screen sits too high, remove some of the sand/vermiculite to ensure a proper fit.
- **DO NOT** allow for any sand/vermiculite to be above the screen.

Installation continued on next page

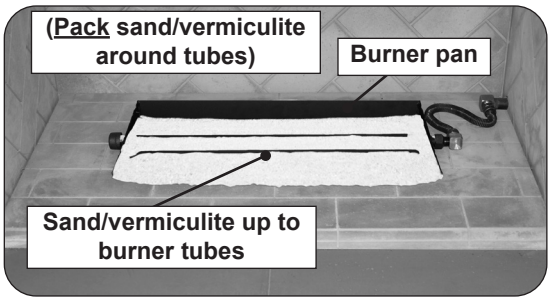


Fig. 12-1 Place sand/vermiculite

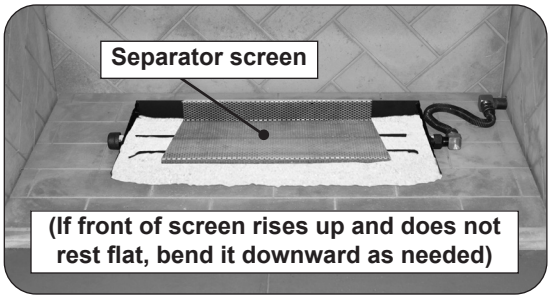


Fig. 12-2 Place screen

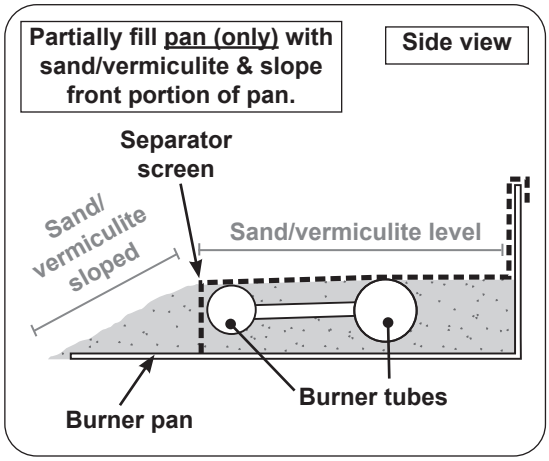


Fig. 12-3 Sand/vermiculite & screen detail

GLASS/GEMS PLACEMENT

CAUTION: Glass pieces may have sharp edges. Be careful handling the glass. Use hand protection, such as gloves, if necessary.

Glass/gems **MUST** be placed to cover the burner (at minimum) for the system to operate properly. Alternatively, glass/gems can be placed to fill the entire fireplace floor. The glass media is purchased and packaged separately. Contact your local Real Fyre dealer for ordering information.

Reference the SPECIFICATIONS section for details on the recommended amounts of media.

1. **After the required sand/vermiculite and screen have been placed,** pour the glass media (glass, gems) so that the burner pan is covered completely and evenly (see Fig. 13-1).
   - **Relative to the slope of the burner, DO NOT exceed a 1" depth of glass (directly above the burner pan) as shown in Fig. 13-2. Any additional glass/gems above the burner may cause unsafe operation.**
   - **If a pilot kit has been installed DO NOT place any glass media directly on the pilot assembly, on or within the heatshield, or under a knob if one exists at the front of the valve.**
   - Store excess glass media in a safe location.

At this stage the burner will function as designed. However, more glass media may be added around the burner for decorative purposes:

2. Complete placement by pouring the remaining glass media on the floor of the fireplace, around the front, rear, and sides of the burner system (see Fig. 13-1).

IF A PILOT KIT HAS BEEN INSTALLED:
KEEP SAND/VERMICULITE, GLASS/GEMS, AND ALL FOREIGN OBJECTS AWAY FROM THE PILOT ASSEMBLY, VALVE ASSEMBLY, AND HEAT SHIELD DURING MEDIA PLACEMENT AND AT ALL TIMES.

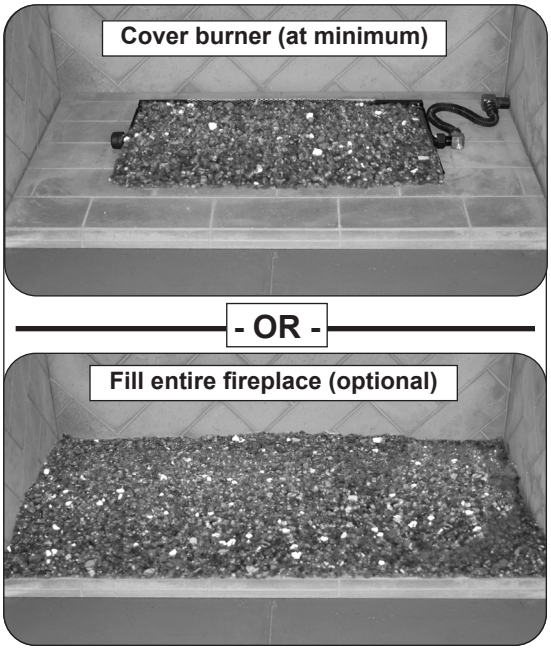


Fig. 13-1 Glass media placement

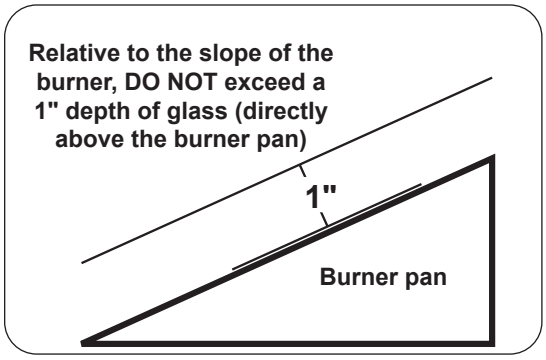


Fig. 13-2 Proper media placement

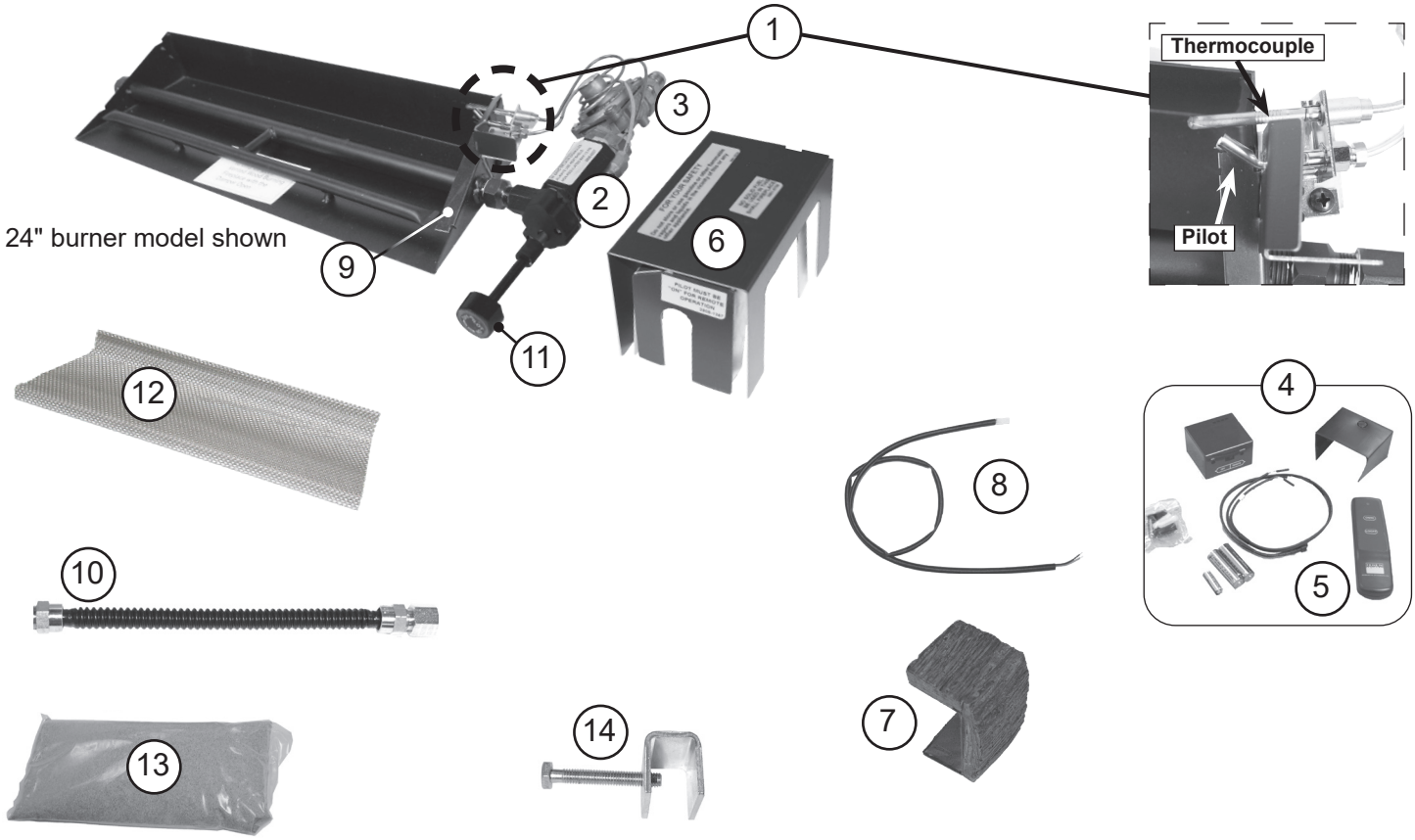
SECONDARY OPTIONS

After the required sand/vermiculite, screen, and glass/gems have been placed, various river stone, geo shape, and glass nugget options are available. If one of these secondary options are purchased, place them as desired in a decorative pattern on top of the primary media.

Note: These options are not designed to be placed directly on the burner.

CAUTION: BURN HAZARD. GLASS AND/OR GEMS ON BURNER SYSTEM WILL REMAIN HOT FOR SOME TIME AFTER USE. You must maintain the placement as shown to ensure proper operation of the burner system. If you need to reposition any media to maintain the proper layout, use heat-resistant gloves or allow media adequate time to cool before handling.

G45-GL BURNER REPLACEMENT PARTS LIST - 17 SERIES



Note: Photos not to scale

Replacement parts can be ordered from your local Real Fyre dealer.

Glass/gems are purchased and packaged separately; contact your local Real Fyre dealer when ordering.

		16/19" model		18" model		24" model		30" model		36" model	
Item	**Description**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**	**Part No.**	**Qty.**
1.	Pilot assembly (natural)	PAC-1NAT	1	PAC-1NAT	1	PAC-1NAT	1	PAC-1NAT	1	PAC-1NAT	1
or	Pilot assembly (propane)	PAC-1LP	1	PAC-1LP	1	PAC-1LP	1	PAC-1LP	1	PAC-1LP	1
2.	Control valve (natural or propane)	SV-37	1	SV-37	1	SV-37	1	SV-37	1	SV-37	1
3.	Pressure regulator (natural)	PR-1NAT	1	PR-1NAT	1	PR-3NAT	1	PR-3NAT	1	PR-3NAT	1
	Pressure regulator (propane)	PR-2LP	1	PR-2LP	1	PR-2LP	1	PR-2LP	1	PR-2LP	1
4.	Remote kit * † (includes receiver, transmitter, batteries, plastic cover)	VR-1A	1	VR-1A	1	VR-1A	1	VR-1A	1	VR-1A	1
5.	Remote transmitter (only) *	AT-V1-1	1	AT-V1-1	1	AT-V1-1	1	AT-V1-1	1	AT-V1-1	1
6.	Valve heat shield	HS-35	1	HS-35	1	HS-35	1	HS-35	1	HS-35	1
7.	Decorative heat shield * †	HS-36	1	HS-36	1	HS-36	1	HS-36	1	HS-36	1
8.	Remote receiver wire harness * †	WH-01	1	WH-01	1	WH-01	1	WH-01	1	WH-01	1
9.	Flame diverter bracket	SH-1	1	SH-1	1	SH-1	1	SH-1	1	SH-1	1
10.	Flex connector (w/ adapter), 1/2" O.D. x 12"	CK-5-SP	1	CK-5-SP	1	CK-5-SP	1	CK-5-SP	1	CK-5-SP	1
11.	Control knob w/ extension	EH-11H	1	EH-11H	1	EH-11H	1	EH-11H	1	EH-11H	1
12.	Separator screen	SC-5	1	SC-6	1	SC-7	1	SC-8	1	SC-9	1
13.	Sand (natural gas)	CS-8	1	CS-8	1	CS-10	1	CS-12	1	CS-15	1
or	Vermiculite (propane gas)	LF-15-3.5	1	LF-15-3.5	1	LF-15-7	1	LF-15	1	LF-15-7	2
14.	Damper clamp	DC-1	1	DC-1	1	DC-1	1	DC-1	1	DC-1	1

* if equipped
† to add a remote system to a 17M model, use VR-1A, HS-36, and WH-01

The Real Fyre burner system must be installed by a qualified professional service technician. Instructions must be followed carefully to ensure proper performance and full benefit from the burner system. **Check to be sure the burner system is designed and labeled for the type of gas (natural or propane gas) supplied to fireplace. Fireplace floor must be level, clean, and smooth (see FIREPLACE SAFETY INFORMATION section).**

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.

When a stainless steel burner system is installed outdoors, ensure it is not directly exposed to the elements (precipitation, rain, wind, etc.).

REFER TO THE PARTS LIST WHEN FOLLOWING INSTALLATION INSTRUCTIONS. 24" standard burner model shown here. Stainless steel models install the same.

BURNER INSTALLATION

1. MAKE SURE FIREPLACE GAS SUPPLY IS TURNED OFF.
2. Locate the gas-supply stub inside the fireplace and remove the cap, if attached (reference Fig. 18-1).

CAUTION: When removing the cap, make sure the stub does not turn, loosening the connection inside the wall.

3. Attach the nut end of the flex connector to the adapter found on the valve or, if attached, on the regulator behind the valve. Tighten securely.
4. Place the burner system in the fireplace. Center the burner from left to right in the fireplace. See Fig. 18-2.
5. **Be sure gas to the fireplace is off.** Remove the adapter connected to the flex connector. Attach the adapter to the gas-supply stub using a pipe compound resistant to all gasses. Tighten securely. Then attach the open end of the flex connector to the adapter. Tighten securely (see Fig. 18-1). Ensure the pan rests level on the fireplace floor after connection. Adjust the pan if necessary.
6. LEAK TEST: Make sure the burner valve is in the OFF position. Turn on the fireplace gas supply, and test at all connections for leaks using the appropriate soapy water solution. See Fig. 18-3. 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.

   For manual models, continue to HEAT SHIELD section.
7. At this stage the burner system and remote batteries are to be installed (if applicable). Reference the INSTALLING/ REPLACING BATTERIES section for details.

Installation continued on next page

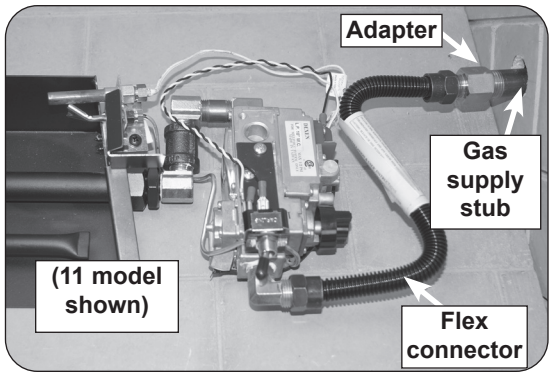


Fig. 18-1 Connect gas supply

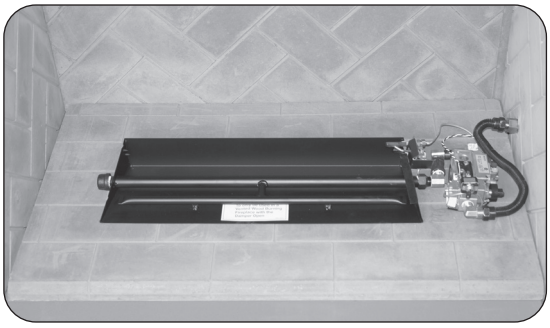


Fig. 18-2 Center burner in fireplace

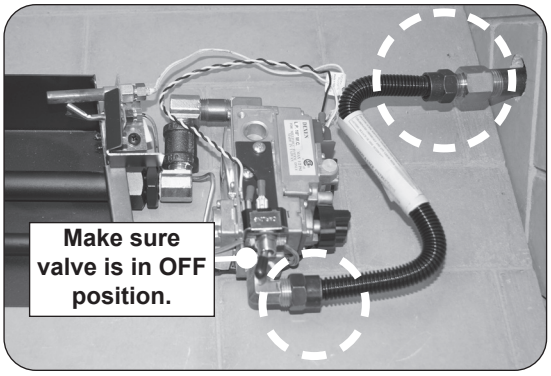


Fig. 18-3 Perform leak test

8. Remote Receiver/Switch Box (02 models only)

It is recommended the receiver/switch box be placed outside of the firebox and a minimum of 6" from the burner/flame. See Fig. 19-1, A.

Alternatively, the box can be placed inside of the firebox, but must be oriented as shown in Fig. 19-1, B. Set the box on its side and place the bottom of the box toward the right firebox wall (box must be a minimum of 6" from the burner/flame). DO NOT place at the rear of the firebox.

Ensure that the box wires remain away from the burner, valve, heat shield, and flame at all times. Coil any excess wire within the box.

CAUTION: THE BOX WILL BE HOT DURING AND AFTER OPERATION.

9. Remote Receiver Install (11, 15, & 17 models only)

If this unit was shipped with a remote, read and follow the separate remote instructions (packed with remote) for complete remote installation. Reference Fig. 19-2.

10. Decorative Heat Shield (if applicable)

11, 15, & 17 Models: Ensure the remote receiver is properly installed (with the plastic cover over it). Then place the decorative heat shield over the remote receiver. See Fig. 19-2.

02 Models: Place the decorative heat shield over the remote receiver / switch box (see Fig. 19-2).

CAUTION: THE REMOTE RECEIVER / SWITCH BOX AND DECORATIVE HEAT SHIELD WILL BE HOT DURING AND AFTER OPERATION.

Installation continued on next page

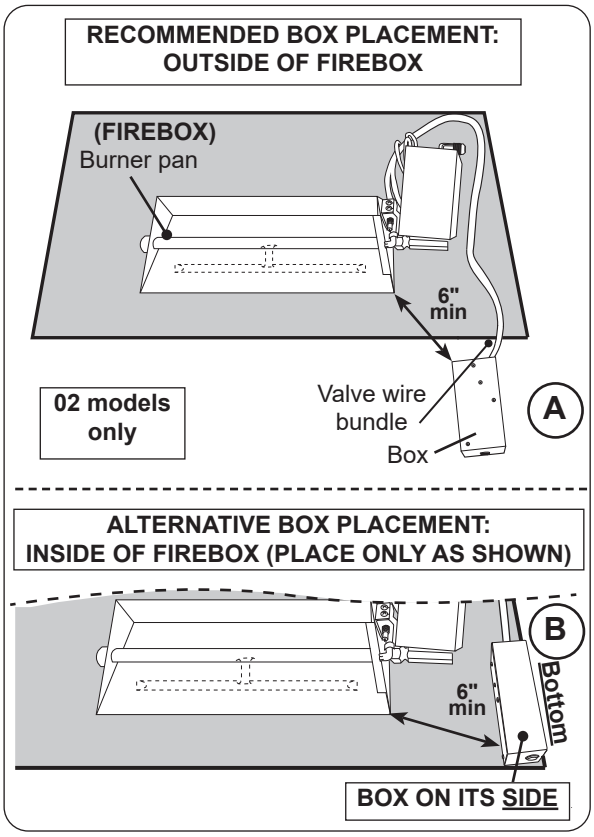


Fig. 19-1 Box placement (if applicable)

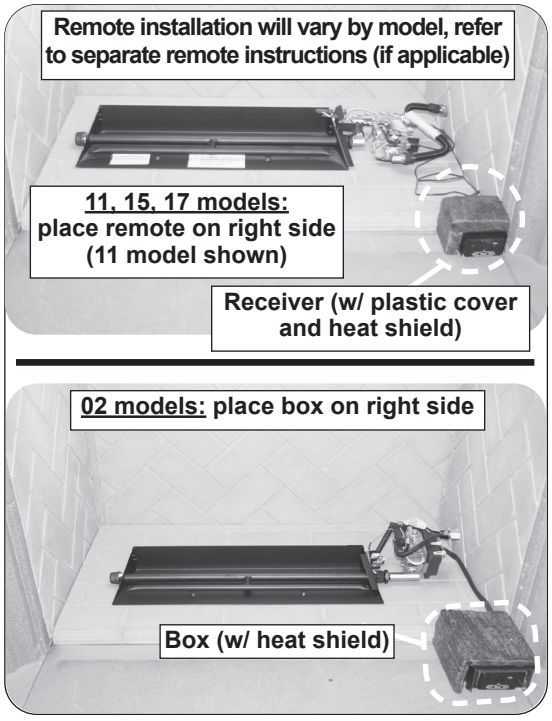


Fig. 19-2 Install remote receiver and heat shield (as applicable)

HEAT SHIELD PLACEMENT

TO PREVENT DAMAGE AND FAILURE:

IT IS CRITICAL THAT THE HEAT SHIELD BE PLACED CORRECTLY OVER THE VALVE PRIOR TO OPERATION.

TO PREVENT OVERHEATING:
Place the heat shield over the valve as shown in the applicable image of Fig. 20-1. It should rest flat above the valve.

Keep the area directly above and below the heat shield clear of decorative media or any other objects at all times.

Important: Ensure any lines/tubes/wires from the valve do not interfere with heat shield placement.

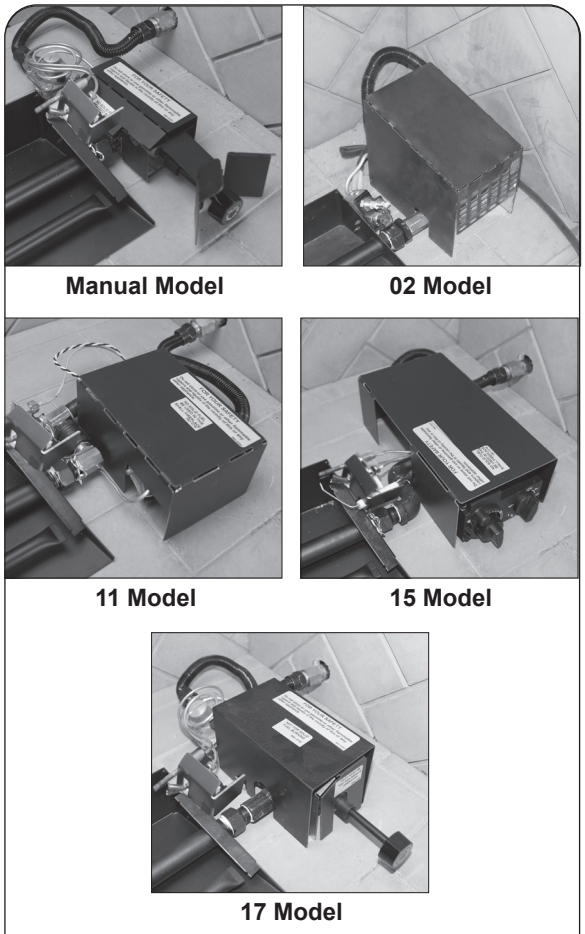
LIGHTING TEST

Prior to proceeding with installation, perform a lighting test (see lighting instructions for lighting your burner). **Allow the unit to completely cool after testing.**

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.

Installation continued on next page



Heat shield MUST:
- be placed over valve
- rest flat
- be kept clear of all media and objects

Fig. 20-1 Place heat shield

SAND/VERMICULITE AND SCREEN PLACEMENT

The sand/vermiculite supplied with the unit is specially selected for use with either natural or propane gas. It maximizes flame distribution and provides a cleaner burning flame.

CAUTION: Use only sand for natural gas burners and vermiculite for propane gas burners.

1. Partially fill the burner pan with the sand/vermiculite until it rests at a level toward the top of the burner tubes as shown in Fig. 21-1.
   - Pack the sand/vermiculite down around the tubes.
   - Slope the sand/vermiculite in the front portion of the pan (see Fig. 21-3).
   - Leave space within the pan to allow for screen and glass placement.
   - **Avoid spilling the sand/vermiculite on the pilot assembly. DO NOT place sand/vermiculite on any other parts of the burner, valve, or heat shield.**
   - Store excess sand/vermiculite in a safe location.
2. Place the separator screen over the sand/vermiculite and pan. The rear of the screen must hook over the rear of the burner pan as shown in Fig. 21-2 and Fig. 21-3. If the front of the screen rises up from the floor of the pan, bend it downward as needed.

Note: The screen must correctly rest onto the burner pan. If it sits too high, remove some of the sand/vermiculite to ensure a proper fit. **DO NOT** allow for any sand/vermiculite to be above the screen.

Installation continued on next page

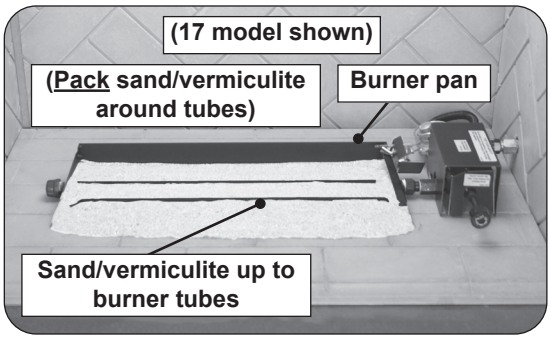


Fig. 21-1 Place sand/vermiculite

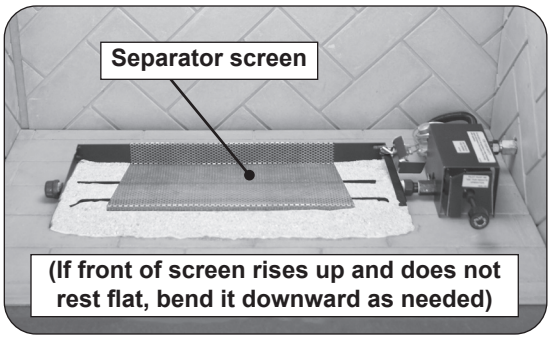


Fig. 21-2 Place screen

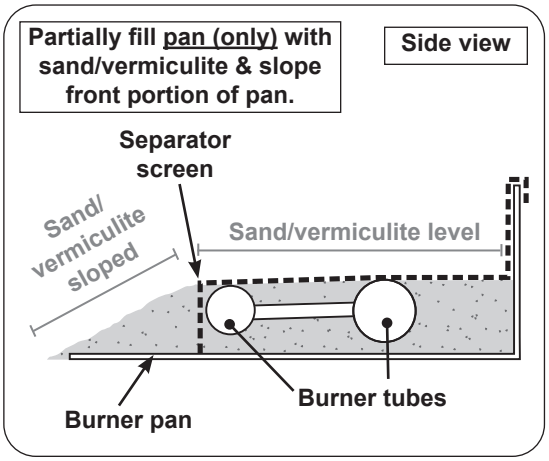


Fig. 21-3 Sand/vermiculite & screen detail

GLASS/GEMS PLACEMENT

CAUTION: Glass pieces may have sharp edges. Be careful handling the glass. Use hand protection, such as gloves, if necessary.

Glass/gems **MUST** be placed to cover the burner (at minimum) for the system to operate properly. Alternatively, glass/gems can be placed to fill the entire fireplace floor. The glass media is purchased and packaged separately. Contact your local Real Fyre dealer for ordering information.

Reference the SPECIFICATIONS section for details on the recommended amounts of media.

1. **After the required sand/vermiculite and screen have been placed,** pour the glass media (glass, gems) so that the burner pan is covered completely and evenly (see Fig. 22-1).
   - **Relative to the slope of the burner, DO NOT exceed a 1" depth of glass (directly above the burner pan) as shown in Fig. 22-2. Any additional glass/gems above the burner may cause unsafe operation.**
   - **DO NOT place any glass media directly on the pilot assembly, on or within the heatshield, or under a knob if one exists at the front of the valve (see Fig. 22-1 and Fig. 22-3).**
   - Store excess glass media in a safe location.

At this stage the burner will function as designed. However, more glass media may be added around the burner for decorative purposes:

2. Complete placement by pouring the remaining glass media on the floor of the fireplace, around the front, rear, and sides of the burner system (see Fig. 22-1).

   If applicable, the glass media may be placed around the receiver/switch box. Leave the front of the receiver/switch box clear for control access.

KEEP SAND/VERMICULITE, GLASS/GEMS, AND ALL FOREIGN OBJECTS AWAY FROM THE PILOT ASSEMBLY, VALVE ASSEMBLY, AND HEAT SHIELD DURING MEDIA PLACEMENT AND AT ALL TIMES. SEE FIG. 22-3.

SECONDARY OPTIONS

After the required sand/vermiculite, screen, and glass/gems have been placed, various river stone, geo shape, and glass nugget options are available. If one of these secondary options are purchased, place them as desired in a decorative pattern on top of the primary media.

Note: These options are not designed to be placed directly on the burner.

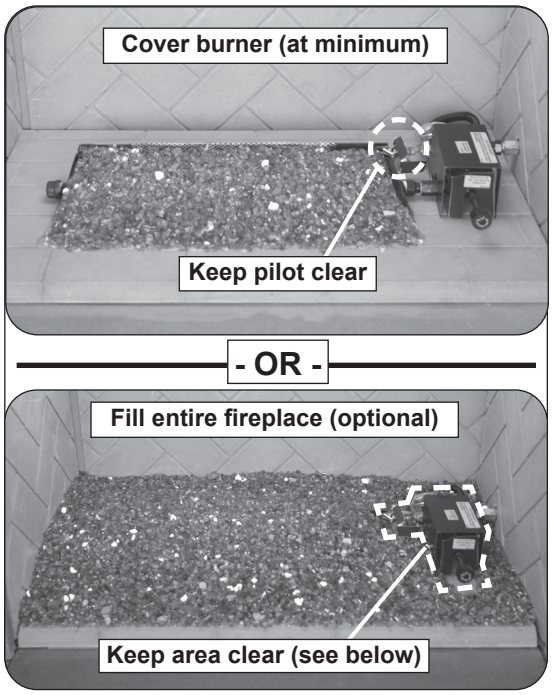


Fig. 22-1 Glass media placement

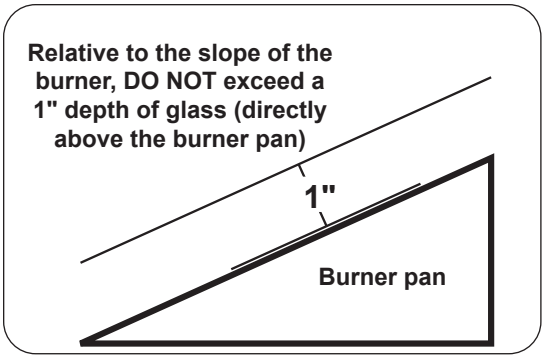


Fig. 22-2 Proper media placement

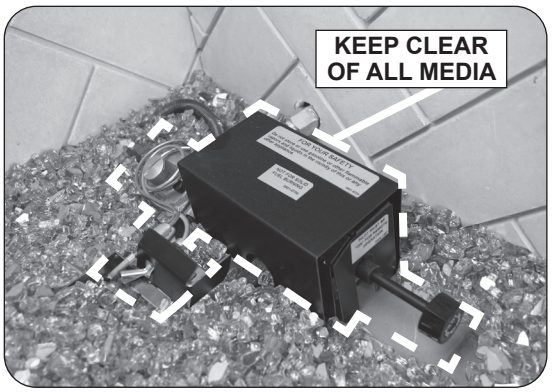


Fig. 22-3 Keep pilot, valve, & shield clear

CAUTION: BURN HAZARD. GLASS AND/OR GEMS ON BURNER SYSTEM WILL REMAIN HOT FOR SOME TIME AFTER USE. You must maintain the placement as shown to ensure proper operation of the burner system. If you need to reposition any media to maintain the proper layout, use heat-resistant gloves or allow media adequate time to cool before handling.

INSTALLING/REPLACING BATTERIES (IF APPLICABLE)

CAUTION: Ensure the unit is connected to the gas line and has been tested for leaks before you insert batteries.

CAUTION: Turn off the remote and/or burner and allow the unit to completely cool prior to <u>any</u> battery replacements.

Important: Prior to inserting batteries, always apply a small amount of dielectric grease to both ends of each battery. This will ensure conductivity and prevent moisture from affecting the contact.

Important: Low/dead batteries will affect burner system operation. Replace batteries any time the burner will not turn on.

REMOTE TRANSMITTER BATTERY

The remote transmitter requires one 12V battery to operate (included). Locate the transmitter, remove the lid (found on rear), and properly insert the new battery as marked. Re-secure the lid. See Fig. 23-1.

Fig. 23-1 Transmitter battery

RECEIVER/BURNER SYSTEM BATTERIES

Important: Be sure to replace the decorative heat shield over the receiver or switch box assembly after battery replacement.

Remote receiver

02 models

The remote receiver requires 4 AA batteries to operate (included). Locate the remote receiver box and turn it over. Use a Phillips screwdriver to remove the screw found on the side of the box, then remove the bracket. Remove the receiver from the box and turn it over. Slide open the lid, and properly insert the new batteries as marked. See Fig. 23-2 (also reference Fig. 23-3).

Replace the lid and replace the remote receiver onto the Velcro in the remote receiver box. Then replace the bracket using the screw and re-position the box in the fireplace.

11, 15, 17 models

The remote receiver requires 4 AA batteries to operate (included). Locate the remote receiver and turn it over. Slide open the lid, and properly insert the new batteries as marked. See Fig. 23-2.

Replace the lid, then re-position the remote receiver in the fireplace. (Ensure the plastic cover is properly in place over the receiver.)

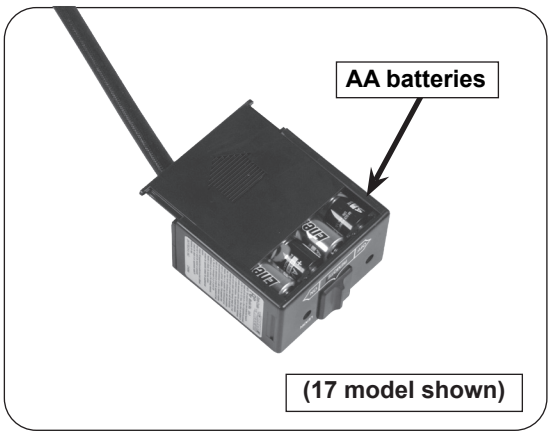


Fig. 23-2 Remote receiver batteries

Burner system (02 models)

The burner system requires 2 D batteries to operate (included). Locate the receiver/switch box and turn it over. Use a Phillips screwdriver to remove the screw found on the side of the box, then remove the bracket. Properly insert the new batteries as marked. See Fig. 23-3.

Replace the bracket using the screw and re-position the receiver/switch box in the fireplace.

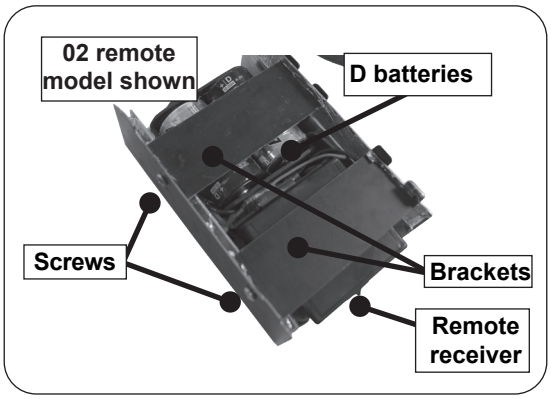


Fig. 23-3 Receiver/switch box batteries

NOTES PAGE

Please use this page to record any information that you may want to have at hand.

LIGHTING INSTRUCTIONS - MANUAL (A) SERIES

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

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 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. The burner system has a pilot that can be lit by hand using a long fireplace match or lighter. When lighting the pilot, follow these instructions exactly.

D. 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 which has been underwater. Attempted operation may result in fire or explosion resulting in property damage, personal injury or loss of life.

LIGHTING THE PILOT

1. Locate the valve on the side of the unit. Push in the gas control knob slightly and turn clockwise to **OFF** (Fig. 25-1).

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

Allow five (5) minutes for any gas in the unit to dissipate. IF YOU SMELL GAS, SEE STEP B ABOVE. If you don't smell gas, go on to step 2.

2. Turn the control knob counterclockwise to **PILOT** (Fig. 25-1). Push the control knob **firmly and fully** in and hold. Hold a long fireplace match or lighter near the thermocouple to light the pilot. Continue to hold the control knob in for approximately 60 seconds after the pilot is lit, then release the knob. The pilot will remain lit.

WARNING: If the pilot fails to light repeat steps 1 and 2.

If the pilot fails to light after several tries, turn the control knob to **OFF** and contact a qualified professional service technician.

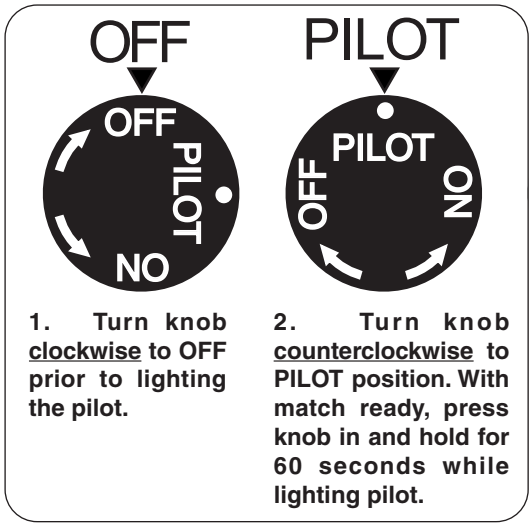


Fig. 25-1 Control knob detail (OFF, PILOT)

INSTRUCTIONS D'ALLUMAGE - SÉRIE MANUEL (A)

POUR VOTRE SÉCURITÉ, LISEZ AVANT D'ALLUMER

AVERTISSEMENT: Si vous ne suivez pas ces instructions à la lettre, un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

A. N'utilisez que votre main pour enfoncer ou tourner le bouton de contrôle du gaz. Ne jamais utiliser d'outils. Si le bouton ne sera pas enfoncer ou à tourner à la main, n'essayez pas de le réparer. Appelez un technicien de service qualifié. Une force excessive ou une tentative de réparation pourrait provoquer un incendie ou une explosion.

B. AVANT DE FAIRE FONCTIONNER, sentez autour de l'appareil pour le gaz. Assurez-vous de sentir près du plancher, car certains gaz sont plus lourds que l'air et se déposent sur le sol.

QUE FAIRE SI UNE ODEUR DE GAZ

- Ne pas allumer l'appareil.
- Ne touchez à aucun interrupteur électrique; n'utilisez aucun téléphone dans votre bâtiment.
- Appelez immédiatement votre fournisseur de gaz à partir du téléphone d'un voisin. Suivez les instructions du fournisseur de gaz. Si vous ne pouvez joindre votre fournisseur de gaz, appeler les pompiers.

C. Le système de brûleur a un pilote qui peut être allumée à la main à l'aide d'une allumette ou long cou léger. Pour allumer la veilleuse, suivez ces instructions à la lettre.

D. Ne pas utiliser cet appareil si une partie quelconque a été submergée. Appelez immédiatement un technicien de service qualifié pour inspecter l'appareil et pour remplacer toute pièce du système de contrôle et toute commande de gaz qui a été sous l'eau. Tentative d'opération peut entraîner un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

ALLUMAGE DU PILOTE

1. Localiser la vanne sur le côté de l'appareil. Appuyer sur le bouton légèrement de contrôle du gaz et tourner dans le sens horaire à **OFF** (Fig. 26-1).

Note: Le bouton de commande ne peut être activée à partir **PILOTE** sur **OFF** si le bouton est enfoncé légèrement. Ne pas forcer.

Attendez cinq (5) minutes pour n'importe quel gaz dans l'unité de se dissiper. S'IL YA UNE ODEUR DE GAZ, voir l'étape B CI-DESSUS. Si vous ne sentez pas de gaz, passez à l'étape 2.

2. Tournez le bouton de réglage dans le sens antihoraire pour **PILOTE** (Fig. 26-1). Appuyez sur le bouton de commande **fermement et pleinement** enfoncée. Mantenga partido largo chimenea o un encendedor cerca del termopar a encender el piloto. Continuez à tenir le bouton de commande pendant environ 60 secondes après que le pilote est allumé, puis relâchez le bouton. Le pilote reste allumé.

AVERTISSEMENT: Si le pilote ne s'allume pas, répétez les étapes 1 et 2.

Si la télécommande ne fonctionne pas, et des batteries avec un niveau de puissance adéquate sont installés, reportez-vous à la synchronisation des section REMOTE.

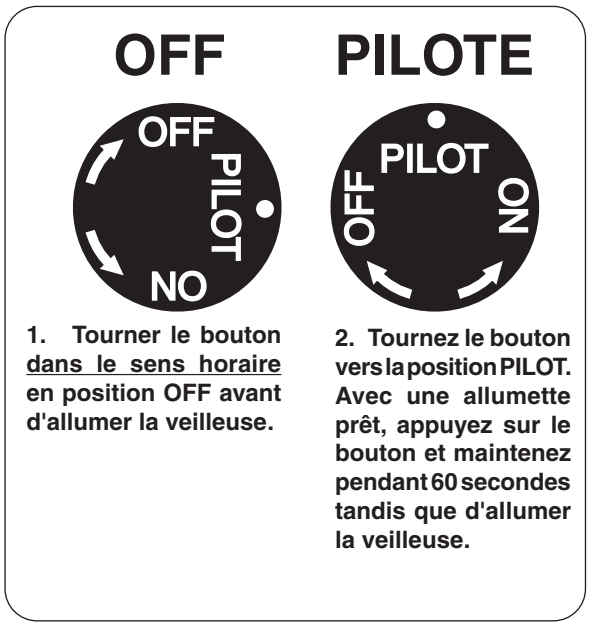


Fig. 26-1 Détail bouton de commande (OFF, PILOTE)

LIGHTING THE BURNER

1. Ensure the pilot is burning. Turn the gas control knob counterclockwise to **ON** (Fig. 27-1) to ignite the burner. The valve will open and the burner will light.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: If the burner fails to light within 5 seconds, turn the control knob clockwise to PILOT. Allow five (5) minutes for any gas in the unit to dissipate, then repeat step 1 above. IF YOU SMELL GAS, SEE STEP B AT BEGINNING OF LIGHTING INSTRUCTIONS.

If the burner fails to light after several tries, push in the control knob slightly and turn clockwise to OFF, and contact a qualified professional service technician.

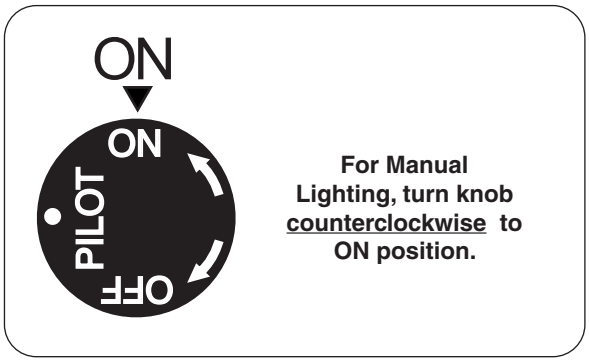


Fig. 27-1 Control knob detail (ON)

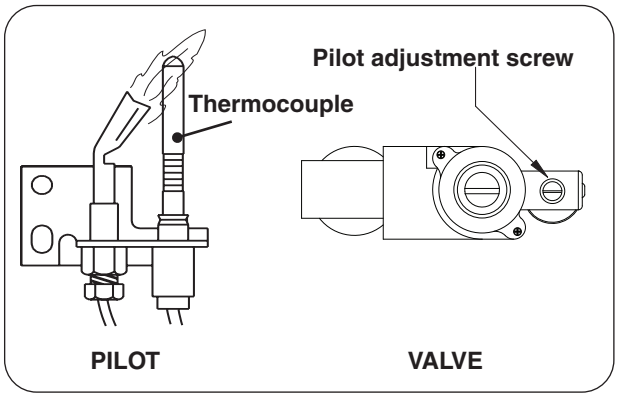


Fig. 27-2 Pilot adjustment detail

SHUTTING DOWN

MAIN BURNER ONLY (pilot will remain lit):

Turn the control knob clockwise to **PILOT**.

BURNER AND PILOT (total shutdown):

If you do not plan on using your burner system for an extended period (4 days or more), **you may extinguish the pilot.** This will conserve energy and save you money.

Push in the control knob slightly and turn clockwise to **OFF**.

PILOT BURNER CHECK/ADJUSTMENT

With the pilot burner lit and the control knob in the pilot position, check the pilot system for proper flame size and appearance (see Fig. 27-2). The pilot adjustment screw is located on the front of the gas valve (see Fig. 27-2). Using a small flat head screwdriver, adjust the pilot screw to properly size the flames. Turning the screw clockwise will lower the flames, and turning it counterclockwise will raise them. Be careful not to back the screw out of its threads.

The pilot flame should be a quiet, soft blue flame with yellow tipping that encircles the thermocouple tip.

ALLUMER LE BRÛLEUR

1. Assurer la veilleuse est allumée. Tournez le bouton de contrôle du gaz dans le sens antihoraire sur **ON** (Fig. 28-3) pour allumer le brûleur. La vanne s'ouvre et le brûleur s'allume.

Note: La séquence d'allumage dure environ 5 secondes.

WARNING: Si le brûleur ne s'allume pas dans les 5 secondes, tournez le bouton de commande vers la droite pour PILOT. Permettre aux cinq (5) minutes pour tout gaz de l'unité de dissiper, puis répétez l'étape 1 ci-dessus. SI VOUS UNE ODEUR DE GAZ, voir l'étape B AU DÉBUT DE instructions d'allumage.

Si le brûleur ne s'allume pas après plusieurs tentatives, appuyez sur le bouton de commande et tournez légèrement à OFF et contactez un technicien qualifié.

ARRÊT

BRULEUR SEULEMENT (pilote reste allumé):

Tournez le bouton de commande vers la droite pour **PILOT**.

BRÛLEUR ET LA VEILLEUSE (arrêt total):

Si vous ne prévoyez pas d'utiliser votre système de brûleur pour une longue période (4 jours ou plus), **vous pouvez éteindre le pilote**. Ce sera de conserver l'énergie et économiser de l'argent.

Enfoncez légèrement le bouton de commande et tournez dans le sens horaire sur **OFF**.

VEILLEUSE CONTROLE/REGLAGE

Avec le brûleur de la veilleuse allumée et le bouton de commande dans le poste de pilotage, vérifier le système de pilotage de la taille de la flamme correspondant et l'apparence (voir Fig. 28-1). La vis de réglage de la veilleuse se trouve sur la face de la soupape à gaz (voir Fig. 28-1). L'aide d'un petit tournevis à tête plate, ajustez la vis de la veilleuse pour dimensionner correctement les flammes. Tourner la vis dans le sens horaire réduira les flammes, et en tournant dans le sens antihoraire leur susciterai. Veillez à ne pas desserrer la vis de ses fils.

La flamme de la veilleuse devrait être tranquille, flamme bleu pâle avec des pointes jaunes qui entoure la pointe du thermocouple.

Fig. 28-1 Détail bouton de commande (SUR)

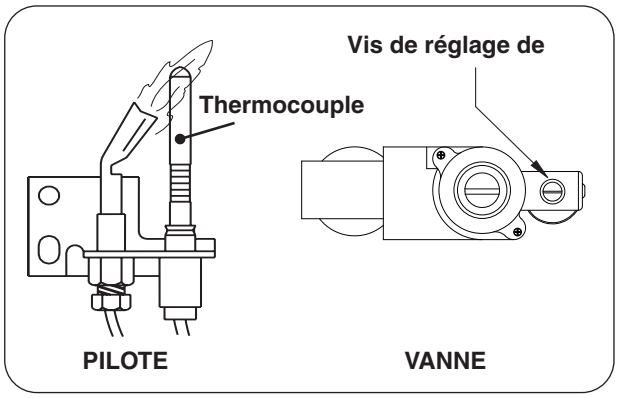


Fig. 28-2 Détail réglage de la veilleuse

LIGHTING INSTRUCTIONS - 02 SERIES

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 is equipped with an ignition device that automatically lights the pilot. DO NOT attempt 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 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 the control system (or remote if equipped) to light the pilot. This valve will not operate if the pilot is not lit and stable.

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. Attempted operation may result in fire or explosion resulting in property damage, personal injury or loss of life.

REMOTE LIGHTING (if equipped)

CAUTION: DO NOT attempt to light the pilot by hand.

Note: If the remote does not function, and batteries with an adequate power level are installed, refer to the SYNCING THE REMOTE section.

Note: Step 1 may not be required if previously done during an earlier lighting.

1. Locate the 3-position switch on the remote receiver (see Fig. 29-1), and slide the switch to the **REMOTE** position.

Note: **For Switch Box Models,** ensure that the ON/OFF switch at the front of the switch box is in the **OFF (O)** position.

2. Locate the remote transmitter and press the **ON** button (see Fig. 29-2). The ignition sequence will begin.

The remote receiver will emit an audible "beep"; then the igniter will begin to spark. After the pilot lights and is established, the valve will automatically open and the burner will light.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: **If the pilot fails to light within 5 seconds, or if the burner fails to light within 5 seconds of pilot lighting, press the OFF button on the remote transmitter and/or slide the switch to the OFF position. Allow five (5) minutes for any gas in the unit to dissipate, then repeat steps 1 and 2 above. IF YOU SMELL GAS, SEE STEP B ABOVE.**

If the pilot fails to light after several tries, turn all control/remote system components to **OFF** and contact a qualified professional service technician.

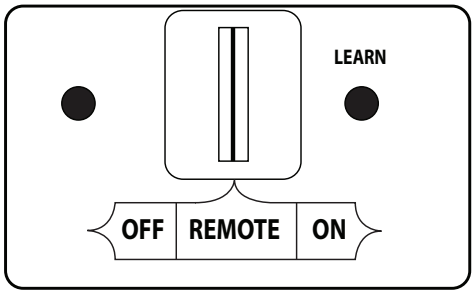


Fig. 29-1 Remote receiver detail (REMOTE)

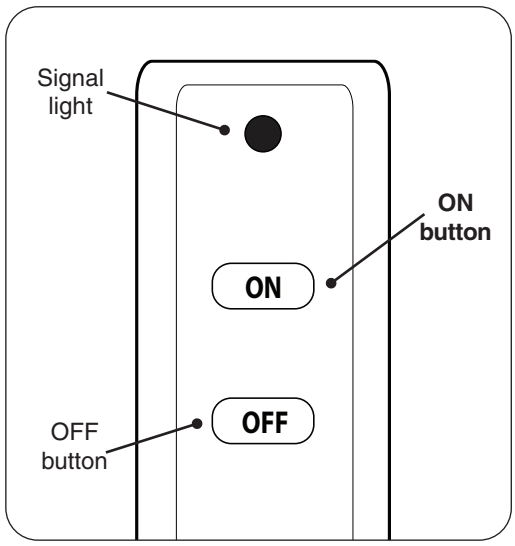


Fig. 29-2 Remote transmitter detail

INSTRUCTIONS D'ALLUMAGE - 02 SÉRIE

POUR VOTRE SÉCURITÉ LISEZ AVANT D'ALLUMER

AVERTISSEMENT: Si vous ne suivez pas ces instructions à la lettre, un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

A. Cet appareil est équipé d'un dispositif d'allumage qui allume automatiquement la veilleuse. NE PAS essayer d'allumer la veilleuse manuellement.

B. **AVANT D'UTILISER,** Sentez tout autour de l'appareil pour le gaz. Assurez-vous de sentir près du plancher, car certains gaz sont plus lourds que l'air et se déposent sur le sol.

QUE FAIRE SI UNE ODEUR DE GAZ

- Ne pas allumer l'appareil.
- Ne touchez à aucun interrupteur électrique; n'utilisez aucun téléphone dans votre bâtiment.
- Appelez immédiatement votre fournisseur de gaz à partir du téléphone d'un voisin. Suivez les instructions du fournisseur de gaz. Si vous ne pouvez joindre votre fournisseur de gaz, appeler les pompiers.

C. Utilisez uniquement le système de commande (ou à distance le cas échéant) pour allumer la veilleuse. Cette valve ne fonctionne pas si le pilote n'est pas éclairé et stable.

D. Ne pas utiliser cet appareil si une partie quelconque a été submergée. Appelez immédiatement un technicien de service qualifié pour inspecter l'appareil et pour remplacer toute pièce du système de contrôle et toute commande de gaz qui a été sous l'eau. Tentative d'opération peut entraîner un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

DISTANCE DE L'ÉCLAIRAGE (si équipée)

CAUTION: NE PAS essayer d'allumer la veilleuse à la main.

Note: Si la télécommande ne fonctionne pas, et des batteries avec un niveau de puissance adéquate sont installés, se référer à la section synchronisation des REMOTE (éloigné).

Note: Étape 1 ne peut être nécessaire se il a déjà fait lors d'un éclairage plus tôt.

1. Repérez l'interrupteur à 3 positions sur le récepteur de télécommande (voir Fig. 30-1), Et faites glisser le commutateur sur la position **REMOTE** (éloigné).

Note: **Pour Boîte de commutateur modèles,** veiller à ce que l'interrupteur ON/OFF (sur/éteindre) à l'avant de la boîte de commutation est en position **OFF (O)** (éteindre).

2. Localiser la télécommande et appuyez sur la touche **ON** (sur). Voir Fig. 30-2. La séquence d'allumage commence.

Le récepteur de télécommande émet un "bip" sonore; puis l'allumeur commence à susciter. Après les feux de pilotes et est établie, la vanne se ouvre automatiquement et le brûleur se allume.

Note: La séquence d'allumage prendra environ 5 secondes.

WARNING: **Si la veilleuse ne s'allume pas dans les 5 secondes ou si le brûleur ne s'allume pas dans les 5 secondes suivant l'allumage de la veilleuse, appuyez sur le bouton OFF de la télécommande et / ou faites glisser le commutateur en position OFF. Autoriser cinq (5) minutes pour tout gaz dans l'unité à se dissiper, puis répétez les étapes 1 et 2 ci-dessus. SI VOUS UNE ODEUR DE GAZ, voir l'étape B ci-dessus.**

Si le pilote ne se allume pas après plusieurs essais, tournez tous les composants système de contrôle / télécommande à **OFF** (éteindre) et contacter un technicien de service professionnel qualifié.

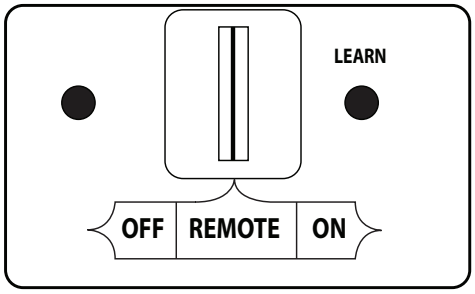


Fig. 30-1 Détail récepteur de télécommande (REMOTE)

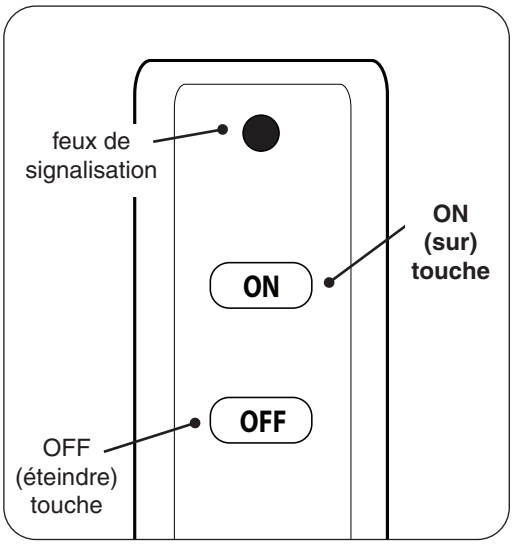


Fig. 30-2 Détail télécommande

MANUAL LIGHTING

CAUTION: DO NOT attempt to light the pilot by hand.

1. **Switch Box Models:** Locate the ON/OFF switch at the front of the switch box. Press the switch to the **ON (I)** position. See Fig. 31-1.

   Remote Box Models: Locate the 3-position switch on the remote receiver (see Fig. 31-1), and slide the switch to the **ON** position.

   The igniter will begin to spark. After the pilot lights and is established, the valve will automatically open and the burner will light.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: If the pilot fails to light within 5 seconds, or the burner fails to light within 5 seconds of pilot lighting, slide the switch to the OFF position. Allow five (5) minutes for any gas in the unit to dissipate, then repeat step above. IF YOU SMELL GAS, SEE STEP B AT BEGINNING OF LIGHTING INSTRUCTIONS.

If the pilot fails to light after several tries, turn the system **OFF** and contact a qualified professional service technician.

Note: In manual mode, the remote transmitter will not operate the burner system.

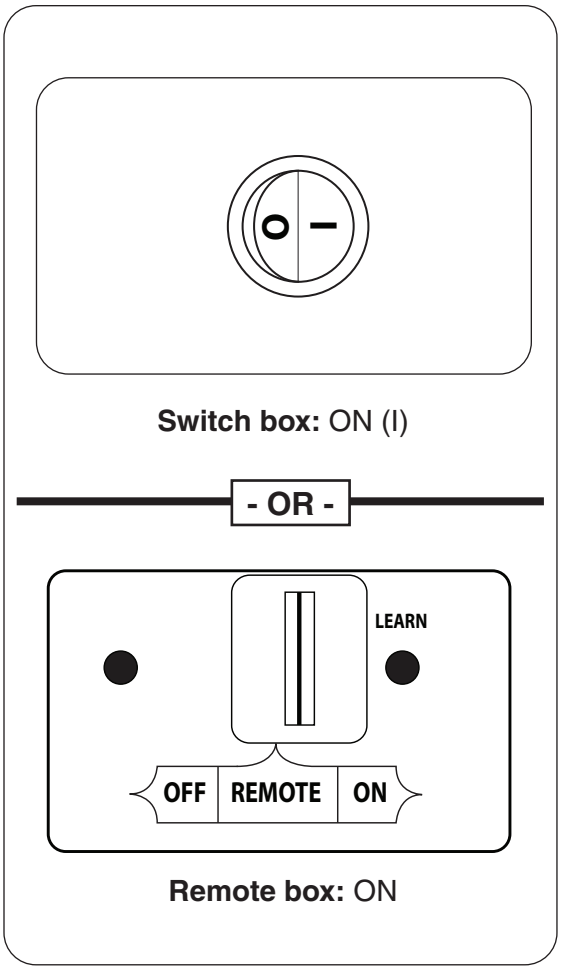


Fig. 31-1 Manual lighting

SHUTTING DOWN

Switch Box Models

For remote shut down, press the **OFF** button on the remote transmitter.

For manual shutdown, press the ON/OFF switch at the front of the switch box to the **OFF (O)** position.

Important: Both the switch box ON/OFF switch and the remote control (if equipped) must be in the OFF position to shut the burner off. If one control is commanded off while the other is still on, the burner will remain on.

Remote Box Models

For remote shut down, press the **OFF** button on the remote transmitter.

<u>If remote is unavailable,</u> slide the switch on the remote receiver to the **OFF** position.

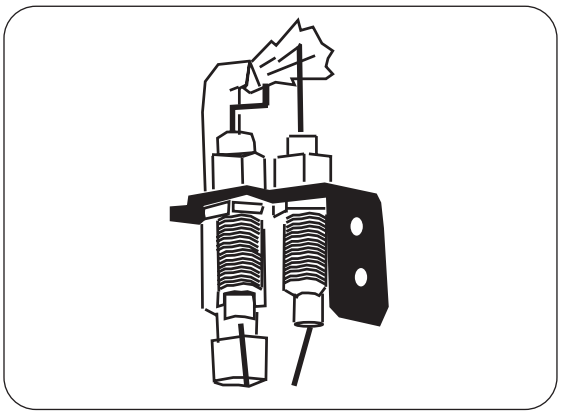


Fig. 31-2 Proper pilot flame

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. 31-2).

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

ÉCLAIRAGE MANUEL

CAUTION: NE PAS essayer d'allumer la veilleuse à la main.

1. **Boîte De Commutateur Modèles:** Repérez l'interrupteur ON/OFF (sur/éteindre) à l'avant de la boîte de commutation. Appuyez sur l'interrupteur sur la position **ON (I)** (sur). Voir Fig. 32-1.

   Boîte À Distance Modèles: Situez l'interrupteur à 3 positions sur le récepteur à distance (voir la Fig.32-1.), Et faites glisser le commutateur à la position **ON** (sur).

   L'allumeur commencera à s'allumer. Une fois que la veilleuse s'est allumée et est établie, la vanne s'ouvre automatiquement et le brûleur s'allume.

Note: La séquence d'allumage prendra environ 5 secondes.

WARNING: Si la veilleuse ne s'allume pas dans les 5 secondes ou si le brûleur ne s'allume pas dans les 5 secondes suivant l'allumage de la veilleuse, faites glisser le commutateur en position OFF. Autoriser cinq (5) minutes pour tout gaz dans l'unité à se dissiper, puis répétez l'étape ci-dessus. SI VOUS UNE ODEUR DE GAZ, voir l'étape B AU DÉBUT DE INSTRUCTIONS D'ALLUMAGE.

Si le pilote ne se allume pas après plusieurs essais, tournez le système **OFF** (éteindre) et contacter un technicien de service professionnel qualifié.

Note: En mode manuel, la télécommande ne fonctionnera pas le système du brûleur.

ARRÊT

Boîte De Commutateur Modèles

Pour arrêt à distance, appuyez sur le bouton **OFF** (éteindre) de la télécommande.

Pour un arrêt manuel, appuyez sur l'interrupteur ON/OFF (sur/éteindre) à l'avant de la boîte de commutation à la position **OFF (O)** (éteindre).

Tant la boîte de commutateur ON / OFF de l'interrupteur et la commande à distance (le cas échéant) doivent être en position OFF pour éteindre le brûleur. Si un contrôle est commandé hors tandis que l'autre est toujours allumé, le brûleur reste allumé.

Boîte À Distance Modèles

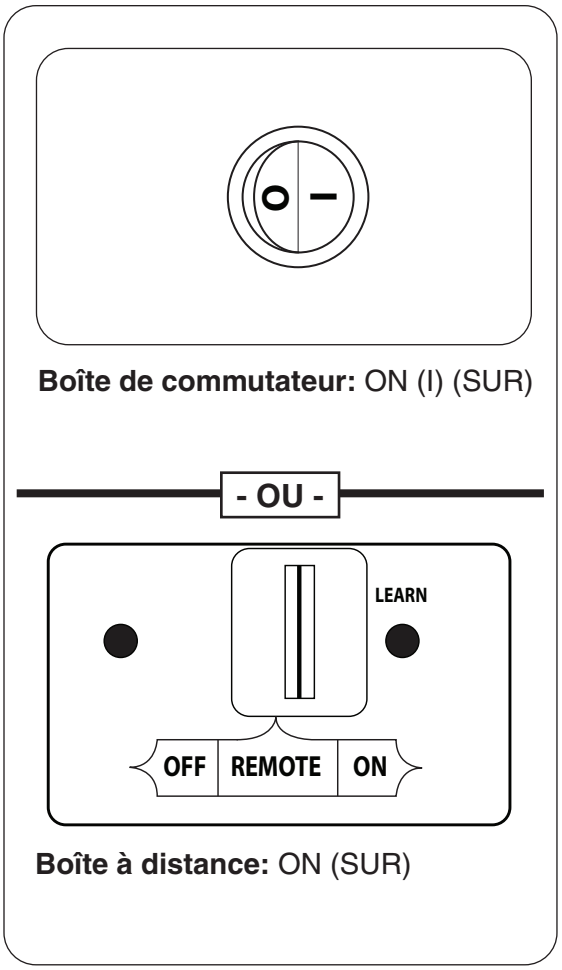
Pour arrêt à distance, appuyez sur le bouton **OFF** (éteindre) de la télécommande.

Si la télécommande ne est pas disponible, faites glisser le commutateur sur le récepteur de la télécommande à la position **OFF** (éteindre).

PILOT APPARENCE

Contrôler régulièrement le pilote pour motif de flamme correcte. La flamme de la veilleuse doit encercler la pointe du générateur, et est préréglé en usine (voir Fig. 32-2).

Si la flamme de la veilleuse brûle mal; se arrêter complètement et contacter un technicien de service professionnel qualifié.



Boîte de commutateur: ON (I) (SUR)

Boîte à distance: ON (SUR)

Fig. 32-1 Allumage manuel

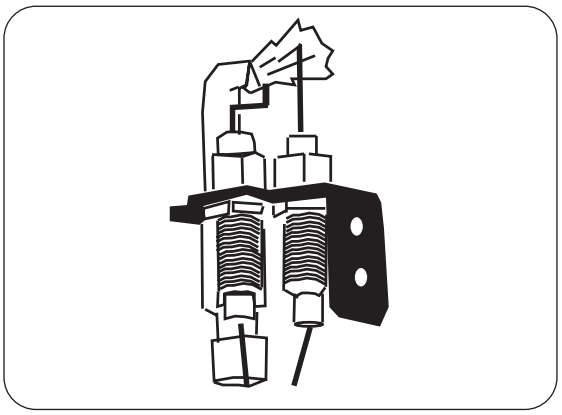


Fig. 32-2 Bonne flamme pilote

LIGHTING INSTRUCTIONS - SERIES 11 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.

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.

The Real Fyre burner system has a pilot that can be lit by hand using a match or lighter. When lighting the pilot, follow these instructions exactly.

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 P. 1.

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

LIGHTING THE PILOT

To read the safety valve control knob (Fig. 33-1), read the marking nearest the teardrop-shaped metal pointer.

1. If the safety valve control knob is in the **PILOT** position, push in slightly on the knob and rotate it clockwise ↷ to the **OFF** position.
2. Release knob and wait five (5) minutes.
3. Turn safety valve knob counterclockwise ↶ to the **PILOT** position. (Only the pilot gas will flow when the knob is pushed in.)
4. Place a long match or a butane lighter at the pilot burner, and at the same time, push the safety valve knob fully in. The pilot will light.
5. Hold the safety valve knob in for approximately 60 seconds before releasing.
6. **If the pilot does not stay lit**, turn the safety valve knob clockwise ↷ to the full **OFF** position. Wait five (5) minutes, then repeat steps 3 through 5.

IGNITING THE MAIN BURNER

With the pilot lit, turn the safety valve knob counterclockwise ↶ to the **ON** position. Switch the toggle switch control to the **ON** position, and the burner will light. Refer to the PARTS LIST for the toggle switch location.

SHUTTING OFF THE MAIN BURNER

Switch the toggle switch control to the **OFF** position. The pilot will remain lit.

SHUTTING OFF THE PILOT

Be sure the toggle switch control is **OFF** and depress and turn the safety valve knob clockwise ↷ to the **OFF** position.

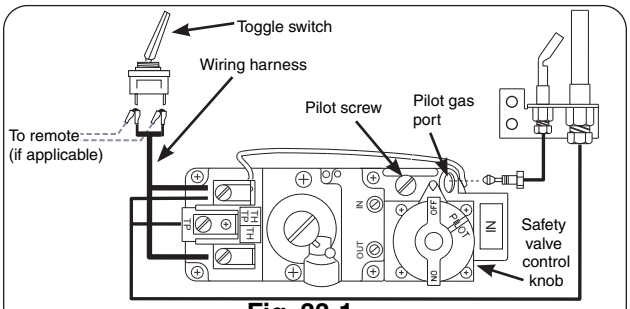


Fig. 33-1

ADJUSTING THE PILOT

a. The pilot flame should encircle the generator tip, and is preset at the factory (Fig. 33-2).

b. If adjustment is necessary (Fig.33-1), turn the gas adjustment screw counterclockwise ↶ to increase the pilot flame, or clockwise ↷ to decrease the pilot flame.

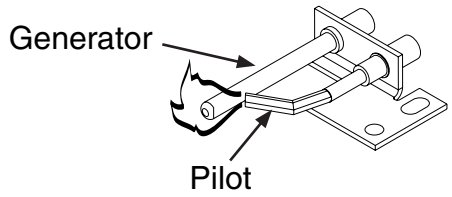
MAINTENANCE

Your pan burner is equipped with a safety pilot that will shut off the gas supply in the event that the pilot is not functioning properly. Make sure the pilot is adjusted properly and that the generator spade clips are tightly connected to the terminal screws on the valve. If the pilot will not stay lit, call your local gas utility or gas supplier.

A periodic check of the following should be performed at least annually by a qualified professional service representative:

1. Valves and toggle switch control for proper operation.
2. Flue system for rust, damage, or leaks.
3. Damper operation.
4. Orifices for dirt or other foreign matter.
5. Visual check on the burner.

If this unit was shipped with a remote, or if a remote system was installed later, read and follow the separate remote instructions to operate the burner remotely.



Note: Pilot flame should encircle top of the generator.

Fig. 33-2 Lighting the pilot

INSTRUCTIONS D'ÉCLAIRAGE - VALVE DE LA SÉRIE 11

POUR VOTRE SÛRETÉ, LISEZ AVANT DE S'ALLUMER

AVERTISSEMENT : Si vous ne suivez pas ces instructions exactement, une incendie ou une explosion peut résulter entraînant des dégats matériels, des blessures ou la perte de la vie.

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

Le Real Fyre système de brûleur a un pilote qui peut être allumé à la main en utilisant une allumette ou un allumeur. En allumant le pilote, suivez ces instructions exactement.

AVANT DE S'ALLUMER, 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 arrangerez sur le plancher. SI VOUS SENTEZ LE GAZ, SUIVEZ LES INSTRUCTIONS À LA P. 1.

Utilisez seulement votre main pour enfoncer ou pour tourner le bouton de commande de gaz. N'utilisez jamais les outils. Si le bouton n'enfoncera pas ou ne tournera pas à la main, n'essayez pas de le réparer. Appelez un technicien de service professionnel qualifié et. La force ou la réparation essayée peut avoir comme conséquence l'incendie ou l'explosion.

ALLUMANT LE PILOTE

Pour lire le bouton de commande de soupape de sûreté (Fig. 34-1) lisez l'indicateur formé par larme la plus proche en métal d'inscription.

1. Si le bouton de commande de soupape de sûreté est en position **PILOT**, enfoncez légèrement sur le bouton et tournez-le dans le sens des aiguilles d'une montre jusqu à la position de **OFF**.
2. Libérez le bouton et attendez cinq minutes.
3. Tournez le bouton de soupape de sûreté dans le sens contraire des aiguilles d'une montre à la position **PILOT** (seulement le gaz pilote coulera quand le bouton est enfoncé).
4. Placez une longue allumette ou un allumeur de butane au brûleur pilote et en même temps, poussent le bouton de soupape de sûreté entièrement dedans. Le pilote s'allumera.
5. Tenez le bouton de soupape de sûreté dedans pendant approximativement 60 secondes avant de libérer.
6. **Si le pilote ne reste pas s'allumait,** la position de **OFF** de bouton de soupape de sûreté dans le sens des aiguilles d'une montre entièrement. Attendez cinq minutes, puis répétez les étapes 3. à 5.

METTANT À FEU LE BRÛLEUR PRINCIPAL

Avec lampe témoin, tournent le bouton de soupape de sûreté dans le sens contraire des aiguilles d'une montre à la position de **ON**. Commutez la commande d'interrupteur à levier à la position de **ON** et le brûleur s'allumera.

COUPANT LE BRÛLEUR PRINCIPAL

Commutez la commande d'interrupteur à levier à la position de **OFF**. Le pilote restera s'est allumé.

COUPANT LE PILOTE

Soyez sûr que commande d'interrupteur à levier est éteint et enfonce et tourne le bouton de soupape de sûreté dans le sens des aiguilles d'une montre à la position de **OFF**.

AJUSTANT LE PILOTE

1. La flamme pilote devrait encercler le bout de générateur, et est préréglée à l'usine (Fig. 34-2).
2. Si l'ajustement est nécessaire, (Fig. 34-1) tournez la vis d'approche de gaz dans le sens contraire des aiguilles d'une montre pour augmenter la flamme pilote, ou pour diminuer dans le sens des aiguilles d'une montre la flamme pilote.

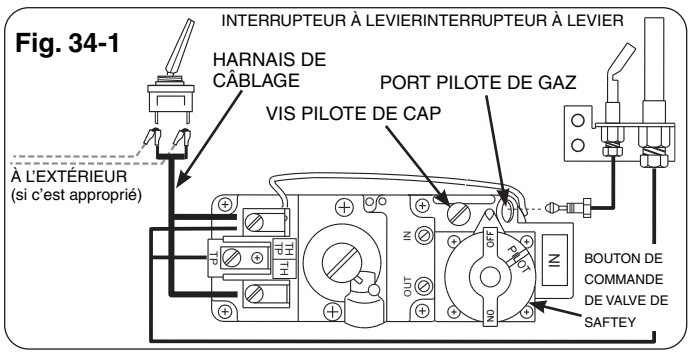
ENTRETIEN

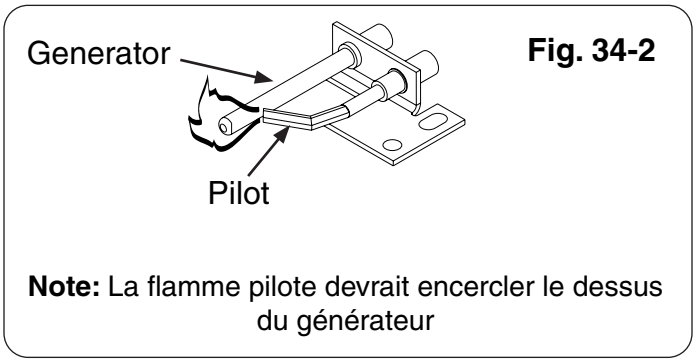
Votre brûleur à casserole est équipé d'un pilote de sûreté qui coupera l'offre de gaz au cas où le pilote serait ne brûlant pas ou ne fonctionnant pas correctement. Assurez-vous que le pilote est ajusté correctement et que les agrafes de cosse de générateur sont étroitement reliées aux vis terminales sur la valve. Si le pilote ne restera pas allumait, appelle votre utilité de gaz ou fournisseur locale de gaz.

Un contrôle périodique du suivant devrait être exécuté au moins annuellement par un représentant qualifié de service professionnel.

1. Valves et commande d'interrupteur à levier pour l'opération appropriée.
2. Système de conduite de cheminée pour la rouille, les dommages ou les fuites.
3. Une opération plus humide.
4. Orifices pour la saleté ou d'autres corps étrangers.
5. Contrôle visuel sur le brûleur.

Si cette unité était embarquée avec un extérieur, ou si un système à distance était installé plus tard, lisez et suivez les instructions à distance séparées d'actionner le brûleur à distance.





Note: La flamme pilote devrait encercler le dessus du générateur

LIGHTING INSTRUCTIONS - SERIES 15 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.

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.

The Real Fyre burner system has a pilot. When starting the pilot, follow these instructions exactly.

BEFORE LIGHTING, smell all around the gas burner system 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 P. 1.

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

LIGHTING THE PILOT

1. Turn the ignition control knob (Fig. 35-1) on the burner control valve assembly (the side of burner pan) counterclockwise so that the narrowing part of the knob moves from the **OFF** position, slightly toward **IGN,** until reaching the stop.
2. Press the ignition control knob in and hold in for five (5) seconds (only pilot gas will flow).
3. Continue pressing in while turning the ignition control knob further counterclockwise toward the **PILOT** position until you hear a click. The click is an indication that the piezo igniter has been activated.

Note: If the spark from the piezo igniter does not light the pilot, repeat steps 2 & 3 until the pilot lights.

4. Continue to hold the ignition control knob in the **PILOT** position for 60 seconds after the pilot has been lit to allow the thermocouple to detect the pilot flame. The pilot will remain lit. **If the pilot fails to light after several tries, turn the ignition control knob to OFF and contact a qualified professional service technician.**

IGNITING THE MAIN BURNER

1. When the pilot flame is stable, release the ignition control knob and turn counterclockwise to the **ON** position to enable the main burner.
2. Turn the flame-height control knob (Fig. 35-3) counterclockwise to the fully **ON** position (Fig. 35-4) to ignite the burner at maximum BTUs. After the main burner ignites, adjust the flame height as indicated in the following section.

ADJUSTING THE FLAME HEIGHT

To adjust the flame, turn the flame-height control knob (Fig. 35-3) counterclockwise (toward **ON**) to increase the flame height, or clockwise (toward **OFF**) to decrease the flame height, until the flames have the desired characteristics.

Note: Turning the flame-height control knob to **OFF** will turn off the burner. The pilot will remain lit. The burner system can be relit by turning the flame-height control knob toward **ON**.

SHUTTING DOWN

MAIN BURNER ONLY (pilot will remain lit):

Turn the flame-height control knob clockwise to **OFF**.
(The ignition control knob will remain in the **ON** position.)

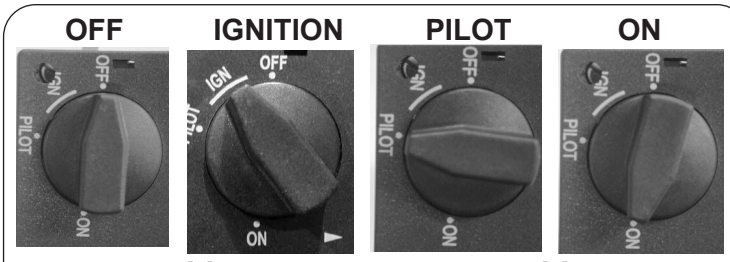
BURNER AND PILOT (total shutdown):

If you do not plan on using your burner system for an extended period (one week or more), **you may extinguish the pilot.** This will conserve energy and save you money.

Turn the flame-height control knob clockwise to **OFF** and then turn the igniter control knob clockwise to **OFF**.

Important: If you desire to turn the unit back on, wait a minimum of one (1) minute before starting the relight procedure. This allows the safety valve to reset in preparation for relighting.

If this unit was shipped with a remote, or if a remote was installed later, read and follow the separate remote instructions to operate the burner remotely.



Ignition control knob - positions
Fig. 35-1

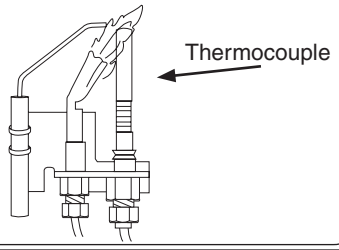


Fig. 35-2

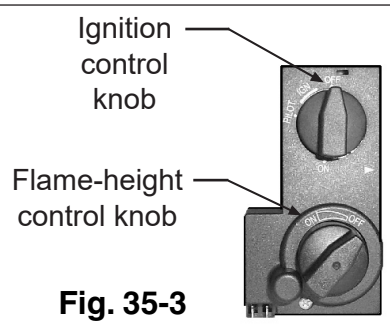
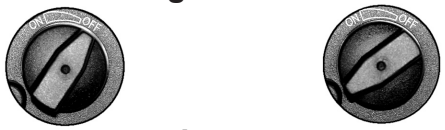


Fig. 35-3

Flame-height control knob



OFF **Fig. 35-4** **ON**

INSTRUCTIONS D'ÉCLAIRAGE - VALVE DE LA SÉRIE 15

POUR VOTRE SÛRETÉ, LISEZ AVANT DE S'ALLUMER

AVERTISSEMENT : Si vous ne suivez pas ces instructions exactement, une incendie ou une explosion peut résulter entraînant des dégats matériels, des blessures ou la perte de la vie.

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

Le Real Fyre système de brûleur a un pilote qui peut être allumé à la main en utilisant une allumette ou un allumeur. En allumant le pilote, suivez ces instructions exactement.

AVANT DE S'ALLUMER, 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 arrangerez sur le plancher. SI VOUS SENTEZ LE GAZ, SUIVEZ LES INSTRUCTIONS À LA P. 1.

Utilisez seulement votre main pour enfoncer ou pour tourner le bouton de commande de gaz. N'utilisez jamais les outils. Si le bouton n'enfoncera pas ou ne tournera pas à la main, n'essayez pas de le réparer. Appelez un technicien de service professionnel qualifié et. La force ou la réparation essayée peut avoir comme conséquence l'incendie ou l'explosion.

ALLUMAGE DU PILOTE

1. Tourner le bouton de commande de l'allumage (Fig. 36-1) sur l'ensemble de soupape de commande de brûleur (le côté de la cuvette du brûleur) vers la gauche de sorte que la partie se rétrécissant de la poignée se déplace de la position **OFF**, légèrement vers l' **IGN**, jusqu'à atteindre la butée.
2. Appuyez sur le bouton de commande d'allumage et maintenez pendant cinq (5) secondes (uniquement du gaz pilote coulera).
3. Continuez à appuyer tout en tournant le bouton de commande d'allumage sens anti-horaire vers la position **PILOT** jusqu'à ce que vous entendiez un clic. Le clic est une indication que l'allumeur piézo a été activé.

Remarque: Si l'étincelle de l'allumeur piézo n'allume pas le pilote, répétez les étapes 2 et 3 jusqu'à ce que les voyants.

4. Maintenez le bouton de commande d'allumage en position **PILOT** pendant 60 secondes après que le pilote a été allumé pour permettre au thermocouple pour détecter la flamme de la veilleuse. Le pilote reste allumé. **Si le pilote ne s'allume pas après plusieurs essais, tournez le bouton de commande d'allumage sur OFF et contacter un technicien de service professionnel qualifié.**

ALLUMAGE LE BRÛLEUR PRINCIPAL

1. Lorsque la flamme pilote est stable, relâchez le bouton de commande d'allumage et tournez dans le sens antihoraire à la position **ON** pour activer le brûleur principal.
2. Tournez le bouton de contrôle de flamme de hauteur (Fig. 36-3) dans le sens de la pleine position **ON** (Fig. 36-4) pour allumer le brûleur à BTU maximale. Après le brûleur principal s'allume, ajuster la hauteur de la flamme, comme indiqué dans la section suivante.

RÉGLAGE DE LA HAUTEUR DE LA FLAMME

Pour régler la flamme, tourner le bouton de contrôle de flamme de hauteur (Fig. 36-3) dans le sens antihoraire (vers **ON**) pour augmenter la hauteur de la flamme, ou vers la droite (vers **OFF**) pour diminuer la hauteur de la flamme, jusqu'à ce que les flammes ont les caractéristiques souhaitées.

Remarque: En tournant le bouton de contrôle de flamme de la hauteur sur **OFF** permet d'éteindre le brûleur. Le pilote reste allumé. Le système de brûleur peut être rallumé en tournant le bouton de commande à la flamme de la hauteur vers **ON**.

FERMER

BRÛLEUR (pilote reste allumé):

Tournez le bouton de contrôle de flamme de la hauteur dans le sens horaire sur **OFF**.

(Le bouton de commande d'allumage restera dans la position **ON**.)

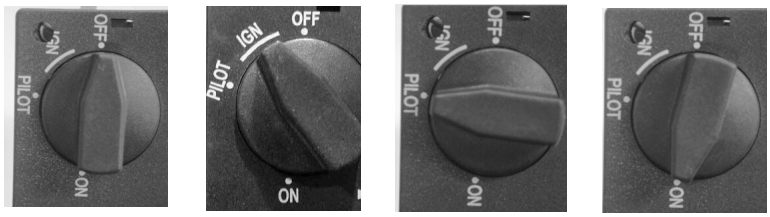
BRÛLEUR ET LA VEILLEUSE (arrêt total):

Si vous ne prévoyez pas d'utiliser votre système de brûleur pour une longue période (une semaine ou plus), **vous pouvez éteindre le pilote.** Ce sera de conserver l'énergie et économiser de l'argent.

Tournez le bouton de contrôle de flamme de la hauteur dans le sens horaire sur **OFF**, puis tournez le bouton de commande d'allumage dans le sens horaire sur **OFF**.

Important: Si vous désirez rallumer l'appareil, attendez au moins une (1) minute avant de commencer la procédure de rallumage. Ceci permet à la soupape de sécurité à remise à zéro en préparation pour rallumer.

Si cet appareil a été livré avec une télécommande, ou si une distance a été installé plus tard, lisez et suivez les instructions à distance distincts pour faire fonctionner le brûleur à distance.



Bouton de commande d'allumage - positions
Fig. 36-1

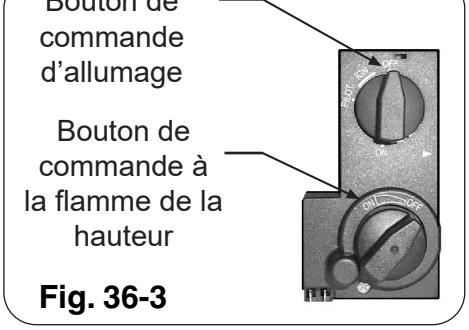


Fig. 36-3

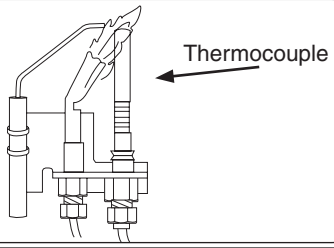


Fig. 36-2

Bouton de commande à la flamme de la hauteur

OFF **Fig. 36-4** **ON**

LIGHTING INSTRUCTIONS - 17 SERIES

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

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 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. The burner system has a pilot that can be lit by hand using a long fireplace match or lighter. When lighting the pilot, follow these instructions exactly.

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. Attempted operation may result in fire or explosion resulting in property damage, personal injury or loss of life.

LIGHTING THE PILOT

1. Locate the valve on the side of the unit. Push in the gas control knob slightly and turn clockwise to **OFF** (Fig. 37-1).

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

Allow five (5) minutes for any gas in the unit to dissipate. IF YOU SMELL GAS, SEE STEP B ABOVE. If you don't smell gas, go on to step 2.

2. Turn the control knob counterclockwise to **PILOT** (Fig. 37-1). Push the control knob **firmly and fully** in and hold. Hold a long fireplace match or lighter near the thermocouple to light the pilot. Continue to hold the control knob in for approximately 60 seconds after the pilot is lit, then release the knob. The pilot will remain lit.

WARNING: If the pilot fails to light repeat steps 1 and 2.

If the pilot fails to light after several tries, turn the control knob to **OFF** and contact a qualified professional service technician.

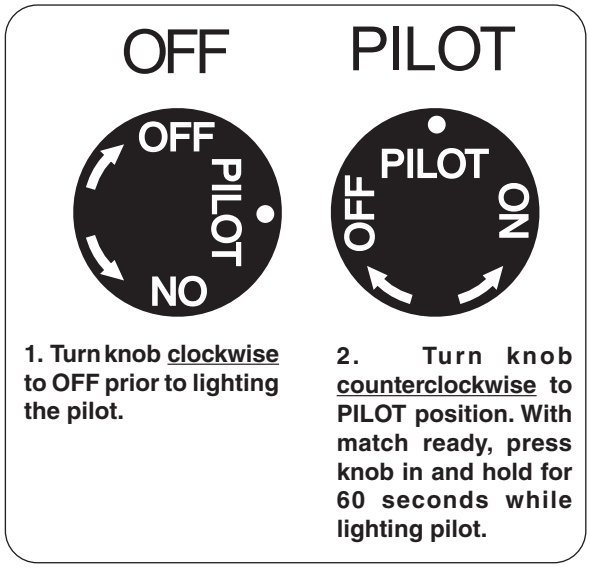


Fig. 37-1 Control knob detail (OFF, PILOT)

REMOTE LIGHTING (if equipped)

Note: If the remote does not function, and batteries with an adequate power level are installed, refer to the SYNCING THE REMOTE section.

Note: Step 1 may not be required if previously done during an earlier lighting.

1. Ensure the pilot is burning. Then locate the 3-position switch on the remote receiver (see Fig. 37-2), and slide the switch to the **REMOTE** position.

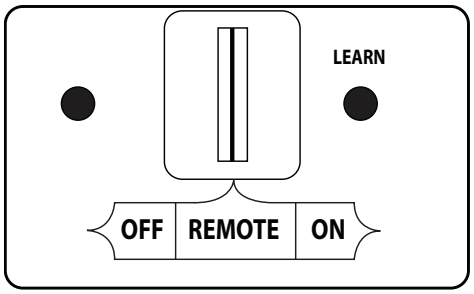


Fig. 37-2 Remote receiver detail (REMOTE)

INSTRUCTIONS D'ALLUMAGE - 17 SÉRIE

POUR VOTRE SÉCURITÉ, LISEZ AVANT D'ALLUMER

AVERTISSEMENT: Si vous ne suivez pas ces instructions à la lettre, un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

A. N'utilisez que votre main pour enfoncer ou tourner le bouton de contrôle du gaz. Ne jamais utiliser d'outils. Si le bouton ne sera pas enfoncer ou à tourner à la main, n'essayez pas de le réparer. Appelez un technicien de service qualifié. Une force excessive ou une tentative de réparation pourrait provoquer un incendie ou une explosion.

B. **AVANT DE FAIRE FONCTIONNER,** sentez autour de l'appareil pour le gaz. Assurez-vous de sentir près du plancher, car certains gaz sont plus lourds que l'air et se déposent sur le sol.

QUE FAIRE SI UNE ODEUR DE GAZ

- Ne pas allumer l'appareil.
- Ne touchez à aucun interrupteur électrique; n'utilisez aucun téléphone dans votre bâtiment.
- Appelez immédiatement votre fournisseur de gaz à partir du téléphone d'un voisin. Suivez les instructions du fournisseur de gaz. Si vous ne pouvez joindre votre fournisseur de gaz, appeler les pompiers.

C. Le système de brûleur a un pilote qui peut être allumée à la main à l'aide d'une allumette ou long cou léger. Pour allumer la veilleuse, suivez ces instructions à la lettre.

D. Ne pas utiliser cet appareil si une partie quelconque a été submergée. Appelez immédiatement un technicien de service qualifié pour inspecter l'appareil et pour remplacer toute pièce du système de contrôle et toute commande de gaz qui a été sous l'eau. Tentative d'opération peut entraîner un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

ALLUMAGE DE LA VEILLEUSE

1. Localiser la vanne sur le côté gauche de l'appareil. Appuyer sur le bouton de contrôle du gaz et tourner dans le sens horaire en position **OFF** (Fig. 38-1).

Note: Le bouton de commande ne peut être activée à partir **PILOTE** sur **OFF** si le bouton est enfoncé légèrement. Ne pas forcer.

Attendez cinq (5) minutes pour n'importe quel gaz dans l'unité de se dissiper. S'IL YA UNE ODEUR DE GAZ, voir l'étape B CI-DESSUS. Si vous ne sentez pas de gaz, passez à l'étape 2.

2. Tournez le bouton de réglage dans le sens antihoraire pour **PILOTE** (Fig. 38-1). Appuyez sur le bouton de commande **fermement et pleinement** enfoncée. Mantenga partido largo chimenea o un encendedor cerca del termopar a encender el piloto. Continuez à tenir le bouton de commande pendant environ 60 secondes après que le pilote est allumé, puis relâchez le bouton. Le pilote reste allumé.

AVERTISSEMENT: Si le pilote ne s'allume pas, répétez les étapes 1 et 2.

Si la télécommande ne fonctionne pas, et des batteries avec un niveau de puissance adéquate sont installés, reportez-vous à la synchronisation des section REMOTE.

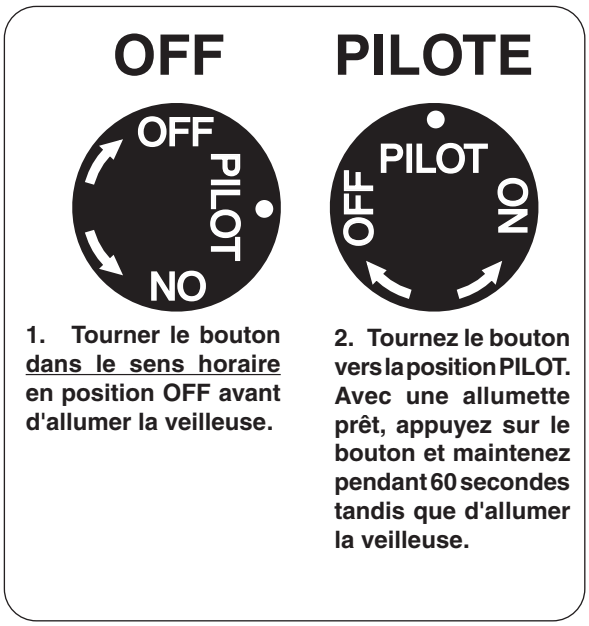


Fig. 38-1 Détail bouton de commande (OFF, PILOTE)

DISTANCE DE L'ÉCLAIRAGE (le cas échéant)

Si la télécommande ne fonctionne pas, et que les batteries sont installées, reportez-vous à la synchronisation des section REMOTE.

Note: Étape 1 ne peut être exigé s'il a déjà été fait au cours d'un éclairage plus tôt.

1. Assurer la veilleuse est allumée. Ensuite, localisez le commutateur à 3 positions sur le récepteur de la télécommande (voir Fig. 38-2), Et faites glisser le commutateur sur la position **REMOTE**.

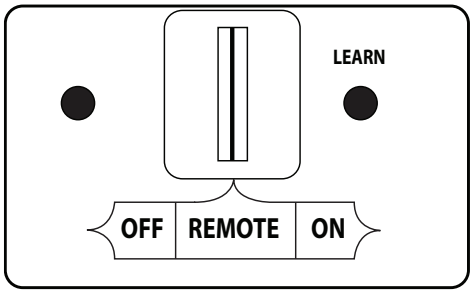


Fig. 38-2 Détail récepteur de télécommande (REMOTE)

2. Locate the remote transmitter and press and hold the **ON/HI** button (see Fig. 39-1). The ignition sequence will begin.

Note: Continue holding the button to increase the flame. A click will be heard when max flame height is reached.

Note: Upon initial use or after an extended period of no use, the **ON/HI** button may have to be pressed for up to 3 seconds prior to functioning.

The remote receiver will emit an audible "beep"; then the valve will automatically open and the burner will light. Adjust to the desired setting(s) with the remote transmitter. See the REMOTE OPERATING INSTRUCTIONS section for details.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: If the burner fails to light within 5 seconds, press and hold the OFF button on the remote transmitter and/or slide the switch to the OFF position. Allow five (5) minutes for any gas in the unit to dissipate, then repeat steps 1 and 2 above. IF YOU SMELL GAS, SEE STEP B AT BEGINNING OF LIGHTING INSTRUCTIONS.

If the burner fails to light after several tries, turn all system components to **OFF** and contact a qualified professional service technician.

MANUAL LIGHTING

1. Ensure the pilot is burning. If equipped, locate the 3-position switch on the remote receiver (see Fig. 39-2), and slide the switch to the **OFF** position.
2. Turn the gas control knob counterclockwise to **ON** (Fig. 39-3) to ignite the burner. The valve will open and the burner will light.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: If the burner fails to light within 5 seconds, turn the control knob clockwise to PILOT. Allow five (5) minutes for any gas in the unit to dissipate, then repeat step 2 above. IF YOU SMELL GAS, SEE STEP B AT BEGINNING OF LIGHTING INSTRUCTIONS.

If the burner fails to light after several tries, push in the control knob slightly and turn clockwise to OFF, and contact a qualified professional service technician.

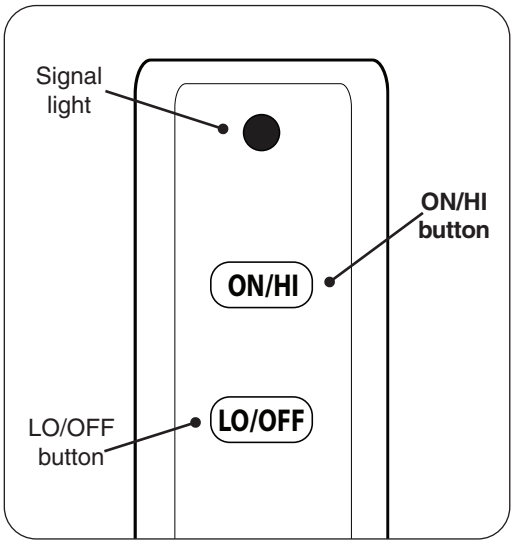


Fig. 39-1 Remote transmitter detail

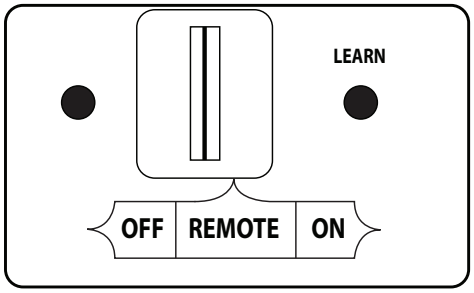


Fig. 39-2 Remote receiver (OFF for Manual Light)

Fig. 39-3 Control knob detail (ON)

2. Localiser la télécommande et appuyez sur le touche **ON/HI** (voir Fig. 40-1). La séquence d'allumage commence.

Note: Continuez à maintenir le touche pour augmenter la flamme. Un clic se fait entendre lorsque la hauteur max de flamme est atteinte.

Note: Dès la première utilisation ou après une longue période de non utilisation, le touche **ON/HI** peut être pressée pour 3 secondes avant de fonctionnement.

Le récepteur de la télécommande émettra un «bip» sonore, puis la vanne s'ouvre automatiquement et le brûleur s'allume. Choisissez le réglage souhaité (s) avec la télécommande. Voir la section INSTRUCTIONS DE FONCTIONNEMENT A DISTANCE pour plus de détails.

Note: La séquence d'allumage dure environ 5 secondes.

WARNING: Si le brûleur ne s'allume pas dans les 5 secondes, appuyez et maintenez le bouton OFF de la télécommande et / ou faites glisser le commutateur à la position OFF. Permettre aux cinq (5) minutes pour tout gaz dans l'unité à se dissiper, puis répétez les étapes 1 et 2 ci-dessus. SI VOUS UNE ODEUR DE GAZ, voir l'étape B AU DÉBUT DE DIRECTIVES D'ALLUMAGE.

Si le brûleur ne s'allume pas après plusieurs essais, tournez tous les composants du système à **OFF** et contactez un technicien qualifié.

ALLUMAGE MANUEL

1. Assurer la veilleuse est allumée. Si vous êtes équipé, localisez le commutateur à 3 positions sur le récepteur de la télécommande (voir Fig. 40-2), Et faites glisser le commutateur sur la position **OFF**.
2. Tournez le bouton de contrôle du gaz dans le sens antihoraire sur **ON** (Fig. 40-3) pour allumer le brûleur. La vanne s'ouvre et le brûleur s'allume.

Note: La séquence d'allumage dure environ 5 secondes.

WARNING: Si le brûleur ne s'allume pas dans les 5 secondes, tournez le bouton de commande vers la droite pour PILOT. Permettre aux cinq (5) minutes pour tout gaz de l'unité de dissiper, puis répétez l'étape 2 ci-dessus. SI VOUS UNE ODEUR DE GAZ, voir l'étape B AU DÉBUT DE instructions d'allumage.

Si le brûleur ne s'allume pas après plusieurs tentatives, appuyez sur le bouton de commande et tournez légèrement à OFF et contactez un technicien qualifié.

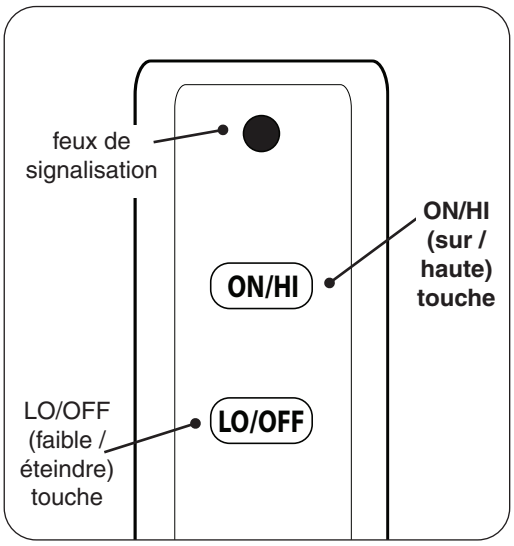


Fig. 40-1 Détail télécommande

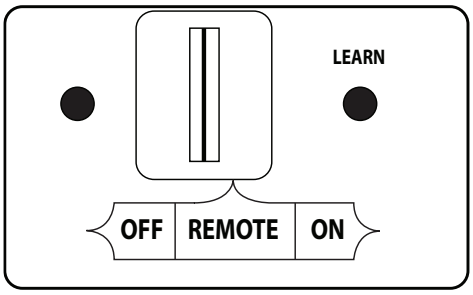


Fig. 40-2 Récepteur de la télécommander
(OFF pour Light Manuel)

Fig. 40-3 Détail bouton de commande (SUR)

LIGHTING INSTRUCTIONS - 17 SERIES (cont.)

SHUTTING DOWN

MAIN BURNER ONLY (pilot will remain lit):

For remote shut down, press and hold the **LO/OFF** button on the remote transmitter until the burner shuts off. **If remote is unavailable,** slide the switch on the receiver to the **OFF** position. **For manual shutdown,** turn the control knob clockwise to **PILOT**.

BURNER AND PILOT (total shutdown):

If you do not plan on using your burner system for an extended period (4 days or more), **you may extinguish the pilot.** This will conserve energy and save you money.

Push in the control knob slightly and turn clockwise to **OFF**.

PILOT BURNER CHECK/ADJUSTMENT

With the pilot burner lit and the control knob in the pilot position, check the pilot system for proper flame size and appearance (see Fig. 41-1). The pilot adjustment screw is located on the front of the gas valve (see Fig. 41-1). Using a small flat head screwdriver, adjust the pilot screw to properly size the flames. Turning the screw clockwise will lower the flames, and turning it counterclockwise will raise them. Be careful not to back the screw out of its threads.

The pilot flame should be a quiet, soft blue flame with yellow tipping that encircles the thermocouple tip.

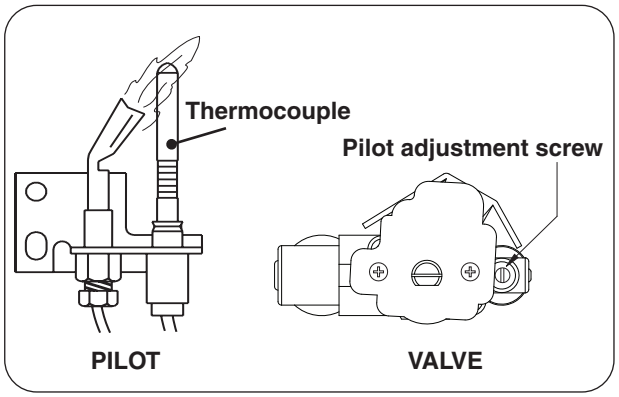


Fig. 41-1 Pilot adjustment detail

REMOTE OPERATING INSTRUCTIONS - 17 SERIES

ORIENTATION

Note: If the remote does not function, and batteries with an adequate power level are installed, refer to the SYNCING THE REMOTE section.

Prior to remote transmitter use, light the appliance per the REMOTE LIGHTING section. Familiarize yourself with the transmitter buttons, as illustrated in Fig. 41-2.

Identify the transmitter buttons:

- **ON/HI BUTTON:** This button turns the burner ON (when the pilot is lit), and increases the flame height.
- **LO/OFF BUTTON:** This button decreases the flame height and turns the burner OFF (pilot will remain lit).

FLAME HEIGHT

The flame height may be adjusted via the remote transmitter. Press and hold the **ON/HI** button to increase the flame height. Press and hold the **LO/OFF** button to decrease the flame height. A click will be heard when the max/minimum setting is reached.

Note: Continuing to hold the **LO/OFF** button will turn off the burner. The pilot will remain lit.

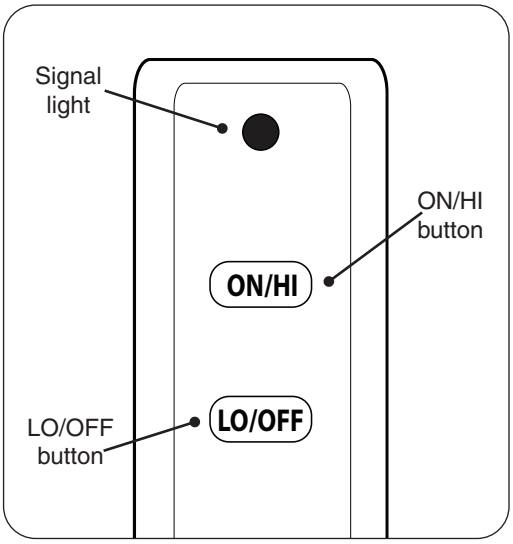


Fig. 41-2 Remote transmitter detail

INSTRUCTIONS D'ALLUMAGE - 17 SÉRIE (cont.)

FERMER

BRULEUR SEULEMENT (pilote reste allumé):

Pour arrêt à distance, appuyez et maintenez le bouton **LO / OFF** sur la télécommande jusqu'à ce que le brûleur est éteint. **Si la télécommande n'est pas disponible**, faites glisser le commutateur sur le récepteur à la position **OFF**. **Pour un arrêt manuel**, tournez le bouton de commande vers la droite pour **PILOT**.

BRÛLEUR ET LA VEILLEUSE (arrêt total):

Si vous ne prévoyez pas d'utiliser votre système de brûleur pour une longue période (4 jours ou plus), **vous pouvez éteindre le pilote**. Ce sera de conserver l'énergie et économiser de l'argent.

Appuyer sur le bouton de commande légèrement et tournez dans le sens horaire sur **OFF**.

VEILLEUSE CONTROLE/REGLAGE

Avec le brûleur de la veilleuse allumée et le bouton de commande dans le poste de pilotage, vérifier le système de pilotage de la taille de la flamme correspondant et l'apparence (voir Fig. 42-1). La vis de réglage de la veilleuse se trouve sur la face de la soupape à gaz (voir Fig. 42-1). L'aide d'un petit tournevis à tête plate, ajustez la vis de la veilleuse pour dimensionner correctement les flammes. Tourner la vis dans le sens horaire réduira les flammes, et en tournant dans le sens antihoraire leur susciterai. Veillez à ne pas desserrer la vis de ses fils.

La flamme de la veilleuse devrait être tranquille, flamme bleu pâle avec des pointes jaunes qui entoure la pointe du thermocouple.

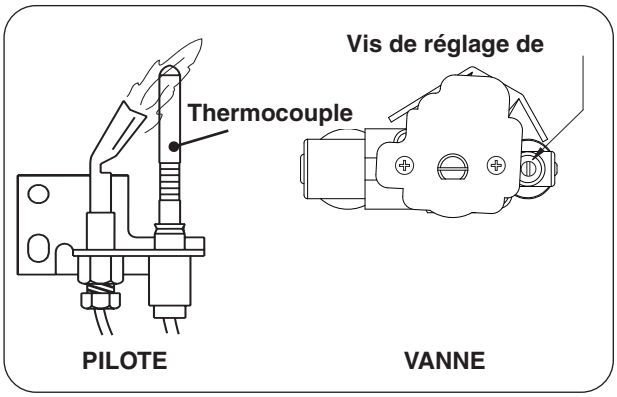


Fig. 42-1 Détail réglage de la veilleuse

MODE D'EMPLOI À DISTANCE - 17 SÉRIE

ORIENTATION

Si la télécommande ne fonctionne pas, et des batteries avec un niveau de puissance adéquate sont installés, reportez-vous à la synchronisation des section REMOTE.

Avant l'utilisation de télécommande, allumer l'appareil par la section de distance de l'éclairage. Familiarisez-vous avec les touches de l'émetteur, comme illustré sur la Fig. 42-2.

Identifier les touches de l'émetteur:

- **TOUCHE ON/HI:** Ce touche active le brûleur ON (lorsque le pilote est allumé), et augmente la hauteur de la flamme.
- **TOUCHE LO/OFF:** Cette touche permet de diminuer la hauteur des flammes et éteindre l'brûleur (pilote reste allumé).

HAUTEUR DE LA FLAMME

La hauteur de flamme peut être ajustée via la télécommande. Appuyez et maintenez enfoncé le touche **ON / HI** pour augmenter la hauteur de la flamme. Appuyez et maintenez le touche **LO/ OFF** pour diminuer la hauteur des flammes. Un clic se fait entendre lorsque le réglage max / minimum est atteint.

Note: En continuant à maintenir le touche **LO/OFF** permet d'éteindre le brûleur. Le pilote restera allumé.

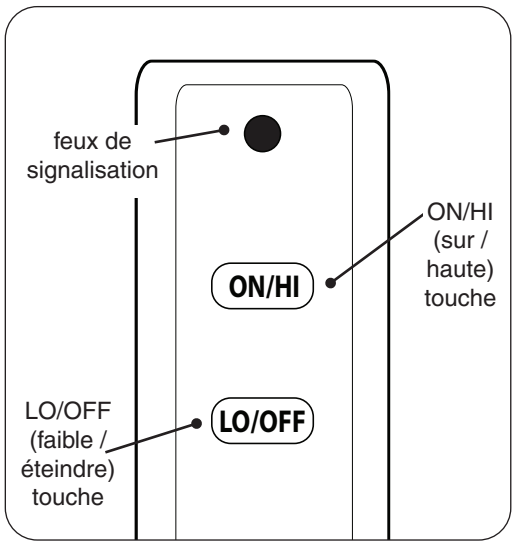


Fig. 42-2 Détail télécommande

CLEANING AND SERVICING

Note: Servicing may 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, service, and repair must be done by an NFI Certified or other qualified professional service technician. The appliance should be examined before use, and must be inspected at least annually to prevent burner shutdown, sooting, odors, etc. It must be checked for clean burning operation and proper pilot appearance, with the correct tools to service this unit. More frequent servicing may be required. It is imperative that all control components and compartments, burner(s), air shutters, and circulating air passageways of the appliance be kept clean and free of all obstructions (as applicable).

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.

Replace batteries as needed. See INSTALLING/REPLACING BATTERIES section for details.

Verify proper operation after servicing.

If, after a period of use, the flames start to exhibit unusual shapes and behavior, or the burners fail to ignite smoothly, the burner may require cleaning or servicing. If this happens, it is recommended 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.

SYNCING THE REMOTE SYSTEM (if applicable)

Ensure the burner system is off and completely cool.

Locate the 3-position switch on the remote receiver and slide it to the **REMOTE** position. Use the tip of a pen or a wire clip to push the **LEARN** button and release. See Fig. 44-1. A beep will be heard. Then press and hold the **ON** button on the remote transmitter; a series of beeps should be heard. The remote system is now synced. Refer to the LIGHTING INSTRUCTIONS to test.

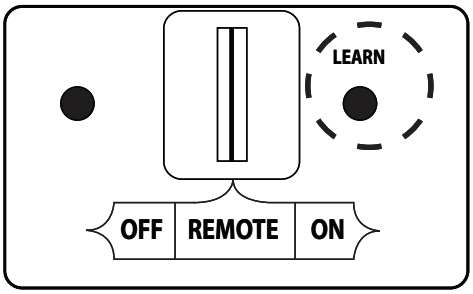


Fig. 44-1 Remote receiver sync detail

FLAME DESCRIPTION

Observe the flames. The flames should be blue at the base and a combination of blue/yellow at the body and at the tips. The flames should be approximately 8-12" above the glass/gems, with the center flame being the tallest. (See 44-2 for example.)

Fig. 44-2 Flame appearance

TROUBLESHOOTING

POSSIBLE CAUSE	SOLUTIONS
1 BURNER SHUTTING DOWN DURING OPERATION	
A. Insufficient or excessive gas pressure	**A1.** Check gas pressure (Read D.- F. of IMPORTANT PRE-INSTALLATION AND FIREPLACE SAFETY INFORMATION section, & check with local gas company). **A2.** Other gas appliances may be on the same gas line, dropping gas pressure to the burner. Check pressures with everything operating to ensure adequate pressure.
B. Flue area, fireplace, or damper dirty from soot	**B.** Clean around, above, and under damper thoroughly. Clean fireplace, removing loose material, including soot and creosote.
C. Fireplace too small for unit	**C.** Ensure minimum requirements are met (see SPECIFICATIONS section).
D. Pilot flame lifting off thermocouple/generator	**D.** Check gas pressure (see section A1).
E. Pilot (remote compatible)	**E.** Contact your dealer for instructions on replacement.
2 PILOT WILL NOT LIGHT	
A. Pilot flame lifting off thermocouple/generator	**A.** Check gas pressure (see Section 1, A1 of this table).
B. Electronic spark not lighting pilot (if applicable)	**B.** Check to ensure sparking when activated. **Note:** You may need to turn or press igniter several times to ignite pilot. See LIGHTING INSTRUCTIONS for your control valve
C. Igniter electrode wire loose	**C.** Check wiring and reconnect any loose wiring.
D. Gas supply off/manual shutoff valve closed	**D.** Turn on gas supply or open manual shutoff valve.
E. Air in gas line	**E.** Bleed gas supply line and repeat LIGHTING INSTRUCTIONS until air is removed.
F. Pilot hood blocked	**F.** Check for debris or dirt / clean pilot
G. Dead batteries (if applicable)	**G.** Replace batteries as needed.
3 LOW FLAME HEIGHT	
A. Gas pressure	**A.** Check gas pressure (see Section 1, A1 of this table).
B. Valve not fully open	**B.** Open valve fully.
C. Blockage or kink in flex connector kit, plumbing, or burner orifice	**C.** Clean out blockage. If flex connector is kinked, replace it.
D. Remote set on low flame (if option available)	**D.** Adjust flame with remote transmitter.
E. Incorrect media (sand or vermiculite) for gas type	**E.** Contact dealer for proper media (sand or vermiculite).
4 BURNER NOT BURNING EVENLY	
A. Burner ports clogged	**A.** Clean burner ports.
B. Media may be packed down too tightly	**B.** Loosen media around burner pipe by running a flathead screwdriver along both sides of the pipe. Even out media in burner pan.
5 ODORS	
A. Gas leak	**A.** Shut off gas, if possible. Follow instructions on front page. Have a qualified professional installer or the gas company correct all leaks.
B. New home, new carpet, or new paint	**B.** When these odors are drawn into the fireplace, this may cause objectionable odors. Thoroughly ventilate the area before restarting your burner system.
C. Damper closed	**C.** Ensure that damper is open.

TROUBLESHOOTING (Cont.)

POSSIBLE CAUSE	SOLUTIONS
6 SMOKING AND/OR SOOTING	
A. Poor draft or downdraft	**A.** Check for chimney blockage. Be sure chimney is at least 3' taller than anything within 10' of it in all directions. If not, consult a chimney sweep. A chimney cap or fan may help.
B. Damper closed	**B.** Ensure that damper is open.
C. Burner is positioned too close to the front of the firebox	**C.** Move burner system to the center of the firebox.
D. Improper media placement	**D.** See INSTALLATION section for proper media placement.
E. Air mixer on propane set closed (if applicable)	**E.** Open air mixer completely.
F. Air shutters blocked (if applicable)	**F.** Air shutters are blocked with debris. Vacuum debris away from air shutter.
G. Using a product other than Real Fyre glass/ gems with burner	**G.** Make sure only Real Fyre glass/gems are used with your burner.
H. Using natural-gas burner on propane gas or propane burner on natural gas	**H**. If the gas listed on the nameplate does not match the gas you are burning, shut down the burner system immediately. Then call your dealer.
I. Adding any accessories to burner system	**I.** Shut down burner system and take off any accessories that do not belong with the system.
7 PILOT WILL NOT STAY LIT	
A. Valve won't hold	**A.** Contact your dealer for instructions on replacement.
B. Pilot hood not aimed at thermocouple	**B.** Pilot hood bent; replace pilot or angle pilot hood properly so pilot flame hits thermocouple.
C. Pilot line bent / kinked at connection to valve	**C.** Replace pilot line.
D. Thermocouple is loose	**D.** Tighten thermocouple nut at gas control valve. (Do not over tighten.)
E. Thermocouple cracked or worn out	**E.** Replace thermocouple.
F. Excessive down draft	**F.** Install chimney cap / Outside chimney too close to other peaks / Check chimney flue for proper height / Poorly designed chimney
8 BURNER WILL NOT TURN ON	
A. Low/dead batteries in remote transmitter AND/OR switch/receiver box (if applicable)	**A.** Replace batteries as needed.
9 FLAME AT AIR MIX / ORIFICE (PROPANE MODELS)	
A. Burner ports clogged	**A.** Clean burner ports.
B. Gas pressure	**B.** Check gas pressure (see Section 1, A1 of this table).
C. Incorrect media for propane gas and/or media may be packed down too tightly	**C.** Ensure proper vermiculite media is used with propane gas. Loosen media around burner pipe by running a flathead screwdriver along both sides of the pipe. Even out media in burner pan.

Detail A

Electrode (A)

When adjusting the spark electrode (if necessary); NEVER adjust the electrode by bending the wire. ALWAYS adjust the electrode by loosening the retainer nut(s), then adjust accordingly.

The minimum gap between the spark electrode/ heat sensor and the pilot flame hood is $^{1}/_{8}$". The maximum is $^{5}/_{32}$".

If the electrode ceramic is loose in the threaded barrel; the pilot assembly must be replaced.

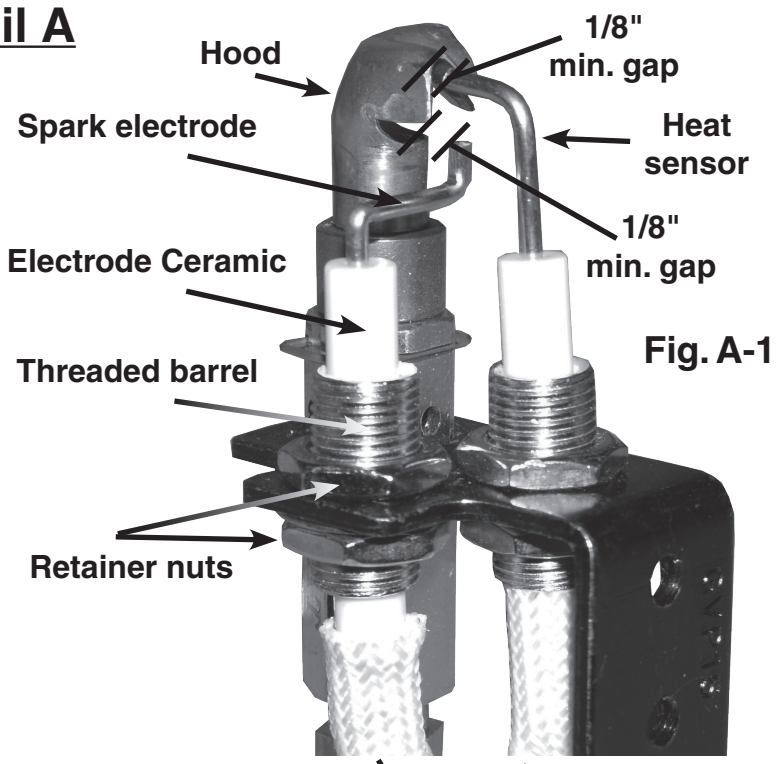


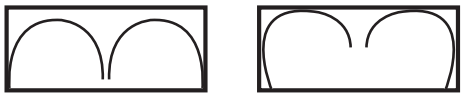
Fig. A-1

Detail B

Terminal Connections (B)

All of the connections on the control module must be properly attached. If the spade terminals are loose; inspect to ensure they correctly appear as detailed below. Use needle nose pliers to clamp down on the center/sides of the terminals if needed (to provide a tight fit.) See Fig B-3 below.

Spade Terminal Detail

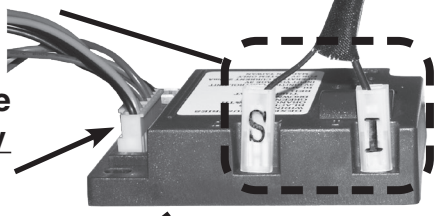


CORRECT INCORRECT

(Fig. B-1)

Ensure that spade terminals (S and I) are attached securely

Ensure that multi-wire connector is properly engaged



Control Module (DESIGN MAY VARY)

(Fig. B-2)

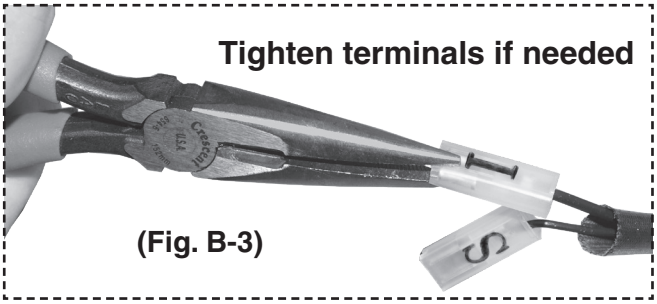
Detail C

(Fig. C-1)

DO NOT bundle tightly together as shown

Assembly Wires (C)

DO NOT bundle the excess pilot assembly wires tightly together as this can reduce the intensity of the spark.



(Fig. B-3)

WARRANTY

PETERSON VENTED DECORATIVE GAS APPLIANCE
LIMITED WARRANTY

Robert H. Peterson Co. ("RHP") warrants your Real Fyre vented decorative gas appliance to be free from defects in material and workmanship.

Peterson vented refractory gas logs are warranted for **as long as the original purchaser owns them (lifetime) when used indoors and for THREE (3) YEARS when used outdoors.**

Peterson vented fiber-ceramic blended gas logs are warranted for **FIVE (5) YEARS when used indoors and for THREE (3) YEARS when used outdoors.**

Peterson **indoor** vented gas log burners and stainless steel burners (excluding controls) are warranted for **TEN (10) YEARS**.

Peterson **outdoor** vented stainless steel burners (excluding controls) are warranted for **FIVE (5) YEARS**.

The **SPK-26** is warranted for **THREE (3) YEARS** and **APK-17** (including -17 valve) is warranted for **TWO (2) YEARS**.

All other valves, pilots, and controls are warranted for **ONE (1) YEAR** (excluding batteries).

Peterson glass, gems, and nuggets are warranted for **TEN (10) YEARS**.

A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE IS REQUIRED

This warranty applies to the original purchaser for products which are installed in the United States or Canada and which are operated and maintained as intended. This warranty is valid only with proof of purchase, commences on the date of purchase, and terminates (both as to original and any replacement products) on the anniversary date of the original purchase of the product per the above schedules.

This warranty covers defects in material and workmanship. This warranty **does not** cover parts which become defective as a result of negligence, misuse, use not in compliance with the Installation and Owner's Manual, accidental damage, improper handling, improper storage, improper installation, **lack of required routine maintenance** (as specified in the Installation and Owner's Manual), electrical damage, local gas impurities or failure to protect against combustible materials. Product must be installed (and gas must be connected) as specified in the Installation and Owner's Manual by a **qualified professional installer**. This warranty **does not** apply to rust, corrosion, oxidation, or discoloration unless the affected part becomes inoperable. Peterson products including valves, pilots and controls, are designed and certified to be used as a system. Modifications to products which are not specifically authorized will void this warranty and could render the product to be unsafe. Burners, valves, parts, accessories, remotes, etc. used with this product must be Peterson products or this warranty is void.

Warrantied items will be repaired or replaced at Peterson's sole discretion. This warranty **does not** cover labor or labor related charges, except as provided by separate specific written programs from the Peterson Co. All repair work must be performed by a qualified professional service person and requires prior approval of Peterson.

Peterson may require the defective product or part to be returned to the factory to determine the cause of failure. Peterson will pay freight charges if the product or part is determined to be defective. This warranty does not cover breakage in shipment from our independent distributor to its customer if the damage is determined to have occurred during that shipment.

This warranty specifically excludes liability for **indirect**, **incidental**, or consequential damages. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that vary from state to state or province.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

When contacting your Peterson dealer or the R.H. Peterson Co., please provide the following information:

- Your name, address, telephone number, e-mail
- Sales receipt showing where purchased and date purchased
- Model number, serial number of product, date code
- Relevant information: installer, additions, repairs, when defect was first noted

TO REGISTER YOUR PRODUCT ONLINE GO TO: WWW.RHPETERSON.COM, AND CLICK ON PRODUCT REGISTRATION. THANK YOU FOR YOUR PURCHASE.

FOR USE IN THE COMMONWEALTH OF MASSACHUSETTS

INSTALLATION OF THIS APPLIANCE MUST BE IN COMPLIANCE WITH 248 CMR: BOARD OF STATE EXAMINERS OF PLUMBERS AND GAS FITTERS AND PERFORMED BY A MASSACHUSETTS LICENSED PLUMBER OR GAS FITTER ONLY.

CONNECTOR KITS USED FOR INSTALLATION AND OPERATION OF THIS APPLIANCE MUST NOT BE MORE THAN 36" IN LENGTH.

FIREPLACE DAMPER MUST BE REMOVED OR PERMANENTLY FIXED/WELDED IN FULL OPEN POSITION PRIOR TO INSTALLING THIS PRODUCT.

Quality Check				**Date:**_____	
Burner Orifices	**Nat.**	**L.P.**	**Leak Test:**	_____	**Model#:** _____
Main:	____	____	**Burn Test:**	_____	**Serial#:** _____
Other:	____	____	**Gas Type:**	Nat. / L.P.	**Air Shutter:** _____
					Inspector: _____