

Burner Systems:

- G52-18/20PA-SS
- G52-18/20NA-SS
- G52-24/30PA-SS
- G52-24/30NA-SS



Regulated burner system for use w/ propane or natural gas

DESIGN CERTIFIED to:
Vented Decorative Appliance
ANSI Z21.60
CSA 2.26
Outdoor Decorative Appliance
ANSI Z21.97
CSA 2.41

FOR INSTALLATION IN SOLID-FUEL BURNING (OR CERTIFIED RHP/AFD) FIREPLACES
 (Solid-fuels shall not be burned in a fireplace where a decorative appliance is installed.)

G52 STAINLESS VENTED BURNER FOR INDOOR OR OUTDOOR USE

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.

A propane cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- Shut off gas to the appliance.
- Extinguish any open flame.
- If odor continues, keep away from the appliance and immediately call your gas supplier or 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.

⚠ DANGER

CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odor.

Using it in an enclosed space can kill you.

Never use this appliance in an enclosed space such as a camper, tent, or car.



IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION OF THE UNIT.

⚠ WARNING

Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

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

A damper clamp is included to maintain the minimum permanent vent opening and to prevent full closure of the damper blade. **The chimney damper MUST be fully opened when burning the unit. Adequate ventilation is absolutely necessary.**

To comply with certification, listings, and building code acceptances, and for safe operation and proper performance of this gas log set, you must use **ONLY** Peterson parts and accessories. Use of any other controls, parts, or accessories not designed for use with Real Fyre gas log set is prohibited. This will void all warranties, certifications, listings, and building code approvals, and may cause property damage, personal injury, or loss of life. Peterson will not be liable for any damages caused by this misuse.

INSTALLER:

Leave this manual with the appliance.

CONSUMER:

Retain this manual for future reference.

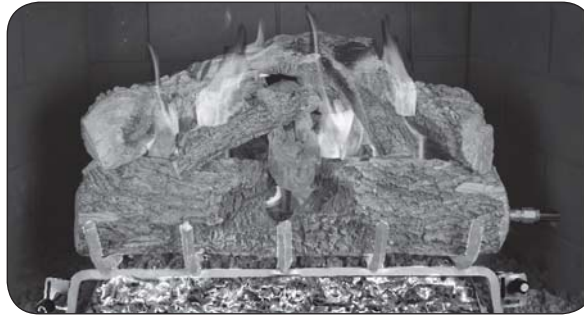


Systèmes De Brûleur:

- G52-18/20PA-SS
- G52-18/20NA-SS
- G52-24/30PA-SS
- G52-24/30NA-SS



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.



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

CONCEPTION CERTIFIÉE à:
Vented Decorative Appliance
ANSI Z21.60
CSA 2.26
Outdoor Decorative Appliance
ANSI Z21.97
CSA 2.41

**POUR INSTALLATION DANS LES
CHEMINÉES DE FUMÉE À COMBUSTI-
BLE SOLIDE (OU RHP/AFD CERTIFIÉ)**
(Les combustibles solides ne doivent
pas être brûlés dans une cheminée
où est installé un appareil décoratif.)

BRÛLEUR G52 À GAINES EN ACIER INOXYDABLE POUR USAGE INTÉRIEUR OU EXTÉRIEUR

AVERTISSEMENT

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

Ne stockez pas ou n'employez pas l'essence ou d'autres vapeurs et liquides inflammables à proximité de ceci ou d'aucun autre appareil. Une bouteille de propane non branchée ne doit pas être entreposée à proximité de cet ou tout autre appareil.

CE QUI À FAIRE SI VOUS SENTEZ LE GAZ:

- Coupez le gaz à l'appareil.
- Éteindre toute flamme nue.
- Si l'odeur persiste, éloignez-vous de l'appareil et appelez immédiatement votre fournisseur de gaz ou les pompiers.

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.

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

AVERTISSEMENT

Une installation, un réglage, une modification, un entretien ou une maintenance incorrects peuvent causer des dommages matériels, des blessures ou la mort. Lisez attentivement les instructions d'installation, d'utilisation et de maintenance avant d'installer ou de réparer cet équipement.

L'ensemble de bûches au gaz Real Fyre ne doit être installé que dans un foyer à combustible solide (ou certifié RHP/AFD) avec une cheminée de travail et construit en matériau incombustible. 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. Ventilation proportionnée est absolument nécessaire.**

Pour se conformer à la certification, listings, et de renforcement des acceptations de code, et pour un fonctionnement sûr et une bonne performance de ce système de brûleur, vous devez utiliser uniquement des pièces et accessoires Peterson. L'utilisation d'autres contrôles, de pièces ou accessoires non conçu pour une utilisation avec les systèmes de brûleurs Real Fyre est interdite. Ceci annulera toutes les garanties, les certifications, les annonces et les approbations du code du bâtiment, et peut causer des dommages matériels, des blessures ou des pertes de vie. Peterson ne sera pas responsable des dommages causés par ce détournement.

DANGER

DANGER MONOXYDE DE CARBONE

Cet appareil peut produire du monoxyde de carbone n'a pas d'odeur qui.

Son utilisation dans un espace clos peut vous tuer.

Ne jamais utiliser cet appareil dans un espace clos comme une caravane, tente, ou véhicule.



INSTALLATEUR:

Laissez ce manuel avec l'appareil.

CONSOMMATEUR:

Maintenez ce manuel pour la future référence.



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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 dégâts 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.** 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.
- D.** 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.
- E.** L'admission minimum gaz-fournissent la pression aux fins de l'ajustement d'entrée est 5" ; colonne d'eau (w.c.) sur le gaz naturel et le 11" ; w.c. sur le gaz de propane. La pression de gaz insuffisante affectera l'opération appropriée du pilote (si équipé). N'installez pas cet appareil à gaz si la pression minimum n'est pas disponible. L'admission maximum gaz-fournissent la pression est 10.5" ; w.c. sur le gaz naturel et le 13" ; w.c. sur le gaz de propane. La source de propane doit être réglée. **(Ne branchez pas cet appareil directement à un réservoir de gaz propane non réglementée - cela peut provoquer une explosion.)** Pour les installations intérieures, ne connectez pas cet appareil à une bouteille de gaz portable L.P.
- F.** 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.
- G.** 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.
- H.** 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.
- I.** 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.
- J.** 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).
- K.** 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.
- L.** **NE PAS installer ce système de brûleur si le foyer de la cheminée est en retrait.** Le plancher du foyer doit être au même niveau ou plus élevé que l'ouverture de cheminée avant. Si les portes en verre sont utilisées: le plancher du foyer ne doit pas être bloqué par le cadre de la porte; le cadre doit avoir des ouvertures pour permettre la circulation de l'air frais. Voir la section SPÉCIFICATIONS pour plus de détails.

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.** 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.
- D. INSUFFICIENT GAS PRESSURE WILL KEEP THE UNIT FROM OPERATING PROPERLY. DO NOT USE IF GAS PRESSURE IS LOWER THAN THE MINIMUM REQUIREMENT.**
- E.** 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 pilot (if equipped). 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. **(Do not connect this appliance directly to an unregulated L.P. gas tank - this can cause an explosion.) For indoor installations, do not connect this appliance to a portable L.P. gas cylinder.**
- F. 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.
- G.** 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.
- H.** 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.
- I.** 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.
- J. To install the gas appliance in your fireplace, the fireplace MUST meet the minimum size requirements (see product specifications table in SPECIFICATIONS section).**
- K.** 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*.
- L. DO NOT install this burner system if the fireplace hearth is recessed.** The fireplace floor must be at the same level as or higher than the fireplace front opening. If glass doors are used: the fireplace floor must not be blocked by the door frame; the frame must have openings to allow for fresh air circulation. See the SPECIFICATIONS section for details.

INFORMATIONS SUR LA SÉCURITÉ D'EXPLOITATION DE CHEMINÉE

- A. Adultes doivent être présents lors de cet appareil au gaz est en marche. Cette unité ne doit pas être laissé sans surveillance ou brûlure lorsque tout 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. Les enfants DOIVENT être surveillés lorsqu'ils se trouvent à proximité de cet appareil.
- D. Ne placez pas de parties du corps, vêtements ou autres matériaux inflammables sur ou à proximité de l'appareil. Les enfants et les adultes doivent être avertis du danger des températures élevées à la surface et doivent rester à l'écart pour éviter les brûlures et l'inflammation des vêtements. Ne vous penchez pas au-dessus de l'appareil lors de l'éclairage ou de son utilisation.
- E. 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.
- F. **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. **Cuando se utiliza un recinto de cristal de la chimenea (puerta), deje las puertas completamente abiertas cuando el sistema es en funcionamiento.**
- G. 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.
- H. 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 shall be present when this gas appliance is operating. This unit shall 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. Children **MUST** be supervised when they are in the area of this appliance.
- D. **DO NOT** place any part of the body, clothing, or other flammable materials on or near the appliance. Children and adults should be alerted to the hazard of high surface temperatures and should stay away to avoid burns or clothing ignition. **DO NOT** lean over the unit when lighting or when in use.
- E. **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.
- F. **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, leave the doors fully open when the system is in operation.**
- G. Do not remove the rating plates or the warning tags. These are an integral safety and identification component of this appliance.
- H. Be sure to read the CLEANING AND SERVICING and FLAME DESCRIPTION sections.

UTILISATION SÛRE ET ENTRETIEN DES CYLINDRES DE GAZ DE PROPANE

IMPORTANT POUR VOTRE SÛRETÉ

LISEZ ET SUIVEZ TOUS LES AVERTISSEMENTS ÉQUIPÉS DE VOTRE CYLINDRE DE GAZ DE PROPANE.

En actionnant cet appareil avec un cylindre de gaz de propane ON DOIT observer ces instructions et avertissements.

LE MANQUE DE FAIRE AINSI PEUT AVOIR COMME CONSÉQUENCE UNE INCENDIE OU UNE EXPLOSION SÉRIEUSE.

CYLINDRE ET CONDITIONS ET

CARACTÉRISTIQUES DE CONNECTEUR

- Des cylindres et les valves de gaz de propane doivent être maintenus en bon état et doivent être remplacés s'il y a des dommages évidents au cylindre ou à la valve.
- Ce unité, une fois utilisé avec un cylindre, devrait être relié à un gallon de la norme 5 (20lb.) cylindre de gaz de propane équipé d'un OPD (remplissez au-dessus du niveau le dispositif d'empêchement). L'OPD a été exigé sur tous les cylindres vendus depuis octobre 1.1998 pour empêcher le remplissage excessif.
- Les dimensions de cylindre devraient être approximativement 12" (30.5cm) de diamètre et 18" (45.7cm) hauts. Des cylindres doivent être construits et marqués selon les caractéristiques pour des cylindres de gaz de propane du département des ETATS-UNIS du transport (D.O.T.) ou le niveau national du Canada, du CAN/CSA-B339, des cylindres, des sphères et des tubes pour le transport des marchandises dangereuses.
- Le cylindre doit inclure un collier pour protéger la valve de cylindre et le circuit d'alimentation de cylindre doit être assuré le retrait de vapeur.
- Le régulateur de pression et l'ensemble de tuyau utilisé doivent assortir les spécifications pour le type I par ANSI Z 21.58/CGA 1.6 (voir la figue. 8-1).
- La valve de cylindre de gaz de propane doit être équipée d'un dispositif d'accouplement de raccordement de cylindre, décrit comme type I dans la norme définie dans le e. de paragraphe ci-dessus. Ce dispositif est généralement décrit comme coupleur rapide de fil de point culminant.
- Si votre cylindre de gaz de propane vient avec une prise de la poussière, placez le bouchon anti-poussière sur la sortie de valve de cylindre toutes les fois que le cylindre n'est pas en service.

OPÉRATION DE COUPLEUR RAPIDE

Pour relier le regulator/hose à l'ajustage de précision de valve de cylindre de gaz de propane: Serrez l'écrou de main sur le régulateur au-dessus de l'ajustage de précision de fil de point culminant sur la valve de cylindre. Tournez l'écrou de

main dans le sens des aiguilles d'une montre pour engager les fils et pour serrer jusqu'à ce que douillettement. L'utilisation des pinces ou de la clé ne devrait pas être nécessaire. Seulement le propane marqué par cylindres doit être employé.

Pour débrancher: Tournez l'écrou de main dans le sens contraire des aiguilles d'une montre jusqu'à isolé (fig. 8-1).

Important: Avant d'employer le unité, et ensuite chaque fois que le cylindre est enlevé et rattaché, examinez tous les raccordements pour déceler les fuites. Arrêtez les valves de unité et ouvrez la valve principale de cylindre, puis vérifiez les raccordements avec de l'eau savonneux. Réparez toutes les fuites avant d'allumer le unité.

ATTENTION: Tournez toujours la valve principale de cylindre de propane au loin après chaque utilisation, et avant de déplacer le unité et le cylindre, ou débrancher l'accouplement. Cette valve doit rester fermée et le cylindre a débranché alors que l'appareil n'est pas en service, quoique l'écoulement de gaz soit arrêté par un dispositif de sûreté quand le coupleur est débranché.

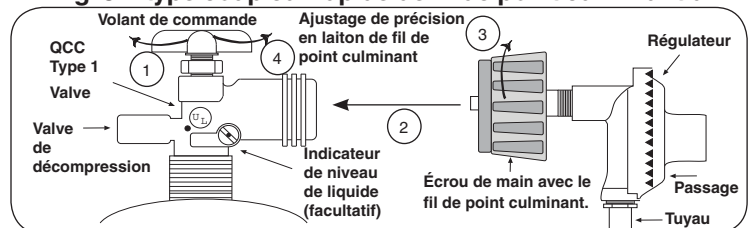
Inspectez soigneusement l'ensemble de tuyau chaque fois avant que le gaz soit allumé. Un tuyau fissuré ou effiloché doit être immédiatement remplacé.

Si l'appareil est stocké à l'intérieur, le cylindre doit être disconnected et a enlevé. Des cylindres Disconnected doivent être stockés dehors, hors de la portée des enfants, avec les prises de valve fileté étroitement installées, et ne doivent pas être stockés dans un bâtiment, le garage, ou n'importe quel autre secteur inclus.

POUR VOTRE SÛRETÉ

- Ne stockez pas un cylindre de gaz disponible de propane dessous ou ne vous approchez pas de cet appareil.
- Ne remplissez jamais cylindre au delà de 80 pour cent de plein.
- SI L'INFORMATION DANS "A" ET "B" N'EST PAS SUIVIE EXACTEMENT, UN FEU CAUSANT LA MORT OU DES DOMMAGES SÉRIEUX PEUT SE PRODUIRE.

Fig. 8-1 type coupleur rapide de fil de point culminant d'I



SAFE USE & MAINTENANCE OF PROPANE GAS CYLINDERS

IMPORTANT FOR YOUR SAFETY

READ AND FOLLOW ALL WARNINGS PROVIDED WITH THE PROPANE-GAS CYLINDER.

When operating this appliance with a propane-gas cylinder, these instructions and warnings **MUST** be observed.

FAILURE TO DO SO MAY RESULT IN A SERIOUS FIRE OR EXPLOSION.

CYLINDER/CONNECTOR REQUIREMENTS

- a. Propane-gas cylinders, valves, and hoses must be maintained in good condition and must be replaced if there is visible damage to either the cylinder or valve. If the hose is cut or shows excessive abrasion or wear, it must be replaced before using the gas appliance (see e.).
- b. This unit, when used with a cylinder, should be connected to a standard 5-gallon (20 lb.) propane-gas cylinder equipped with an OPD (Overfill Prevention Device). The OPD has been required on all cylinders sold since October 1, 1998, to prevent overfilling.
- c. Cylinder dimensions should be approximately 12" (30.5 cm) in diameter and 18" (45.7 cm) high. Cylinders must be constructed and marked in accordance with the *Specifications for Propane Gas Cylinders of the U.S. Department of Transportation (D.O.T.)* or the National Standard of Canada, *CAN/CSA-B339, Cylinders, Spheres, and Tubes for Transportation of Dangerous Goods*.
- d. The cylinder used must include a collar to protect the cylinder valve, and the cylinder supply system must be arranged for vapor withdrawal.
- e. The pressure regulator and hose assembly used must match the specification for Type I by *ANSI Z 21.58/CGA 1.6* (see Fig. 9-1).
- f. The propane-gas cylinder valve must be equipped with a cylinder connection coupling device, described as Type I in the standard defined in paragraph e. above. This device is commonly described as an Acme thread quick coupler.
- g. If the propane-gas cylinder comes with a dust plug, place the dust cap on the cylinder valve outlet whenever the cylinder is not in use.

QUICK COUPLER OPERATION

To connect the regulator/hose assembly to the propane-gas cylinder valve fitting: Press the hand nut on the regulator over the Acme thread fitting on the cylinder valve. Turn the hand nut clockwise to engage the threads and tighten until snug.

The use of pliers or a wrench should not be necessary. Only cylinders marked "propane" may be used.

To disconnect: Turn the hand nut counterclockwise until detached (Fig. 9-1).

Important: Before using the unit, and after each time the cylinder is removed and reattached, check the hose for wear (see a.) and check all connections for leaks. Turn off the unit valves and open the main cylinder valve, then check connections with soapy water. Repair any leaks before lighting the unit.

CAUTION: Always turn the propane cylinder main valve off after each use, and before moving the unit and cylinder or disconnecting the coupling. This valve must remain closed and the cylinder disconnected while the appliance is not in use, even though the gas flow is stopped by a safety feature when the coupler is disconnected.

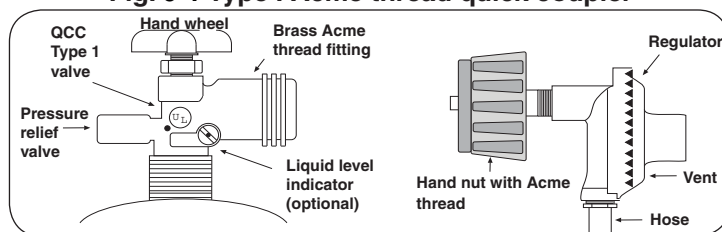
Carefully inspect the hose assembly each time before the gas is turned on. A cracked or frayed hose must be replaced immediately.

If the appliance is stored indoors, the cylinder must be disconnected and removed. Disconnected cylinders must be stored outdoors, out of the reach of children, with threaded valve plugs tightly installed, and must not be stored in a building, garage, or any other enclosed area.

FOR YOUR SAFETY

- a. DO NOT store a spare propane-gas cylinder under or near this appliance.
- b. NEVER fill the cylinder beyond 80-percent full.
- c. IF THE INFORMATION IN a. AND b. IS NOT FOLLOWED EXACTLY, A FIRE CAUSING DEATH OR SERIOUS INJURY MAY OCCUR.

Fig. 9-1 Type I Acme thread quick coupler



SPECIFICATIONS

Real Fyre gas burner systems must be installed only in an approved fireplace with the minimum firebox dimensions and venting requirements met (see following tables). Adequate ventilation is absolutely necessary.

Product Specifications

Model	Minimum Fireplace Size				BTU Rating	
	Width*		Depth ‡	Height	Nat. Gas	L.P. Gas
	Front	Rear †				
G52-18/20 (18" log set)	28"	20"	15"	17"	46k	36k
G52-24/30 (24" log set)	32"	24"	15"	17"	55k	46k
G52-24/30 (30" log set)	34"	28"	15"	17"	55k	46k

* 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 Fig. 10-1 below).

Table 1 - Product Specifications

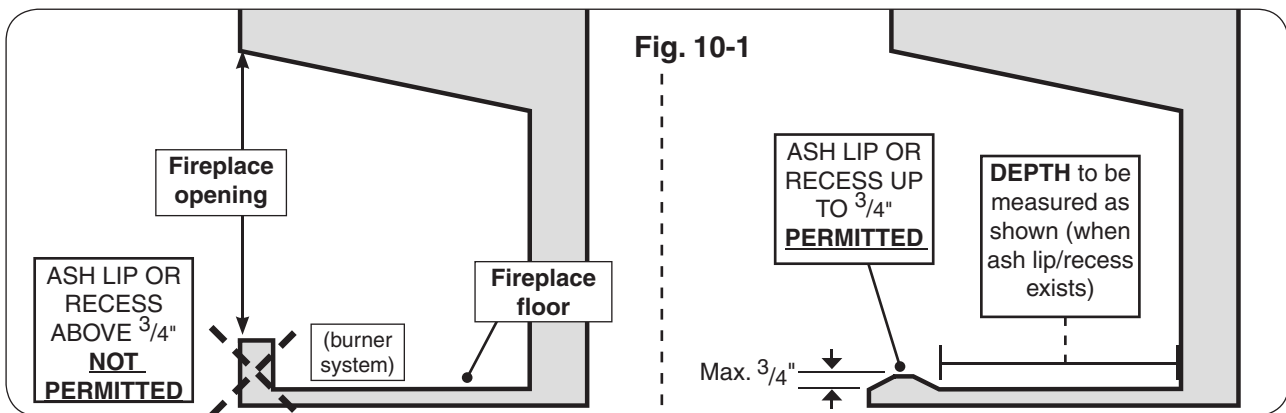
Specification	Value	Qty.
Igniter battery type	AA battery	1

Table 2 - Technical Data

Fireplace Floor Requirement

DO NOT install this burner system if the fireplace hearth is recessed. The fireplace floor must be at the same level as or higher than the fireplace front opening. An ash lip or recess may not exceed $\frac{3}{4}$ ". See Fig. 10-1 below.

Note: If glass doors are used: the fireplace floor must not be blocked by the door frame; the frame must have openings to allow for fresh air circulation.



WIRING DIAGRAM

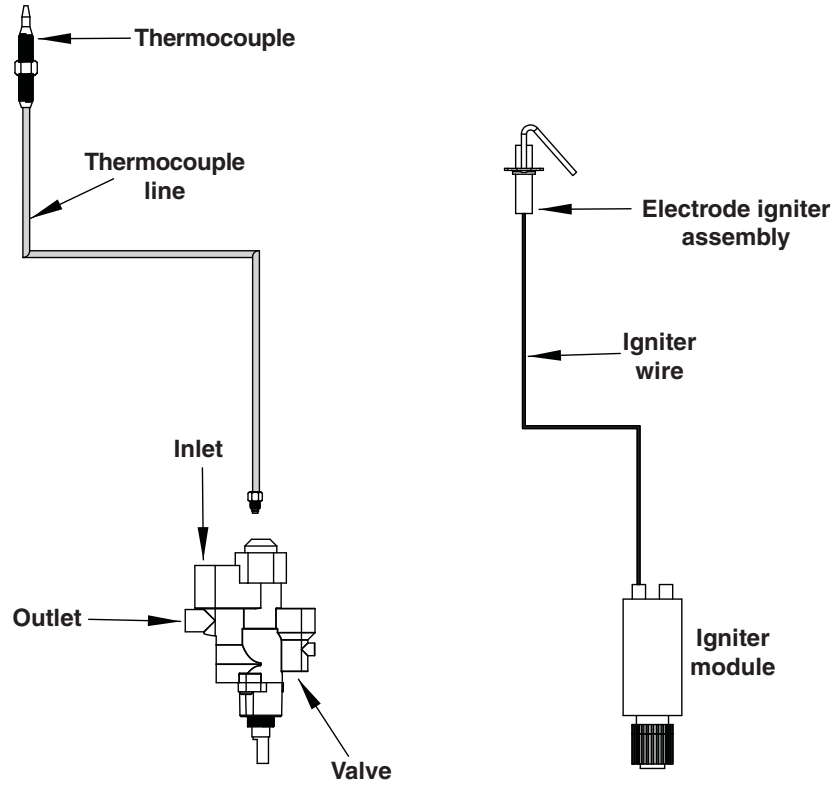


Fig. 11-1

DAMPER CLAMP INSTRUCTIONS

The damper clamp with hex bolt (Fig. 12-1) 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. 12-2). 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.

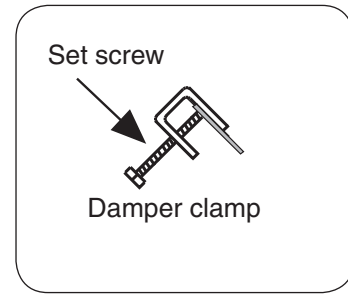


Fig. 12-1 Damper clamp detail

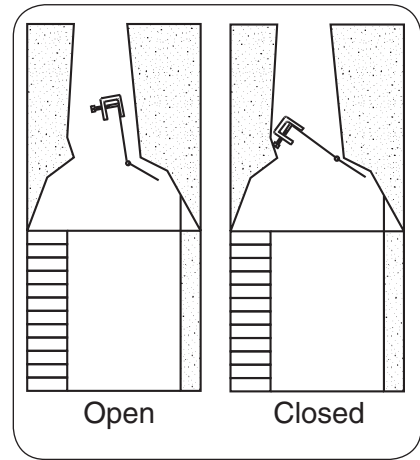


Fig. 12-2 Damper open / closed

Venting Requirements

Minimum permanent free opening area of chimney damper for venting (sq. in.)		
For factory-built fireplaces		
Chimney height	18/20"	24/30"
15'	21	24
20'	18	21
30'	14	16
For masonry-built fireplaces		
15'	30	35
20'	27	32
30'	25	29

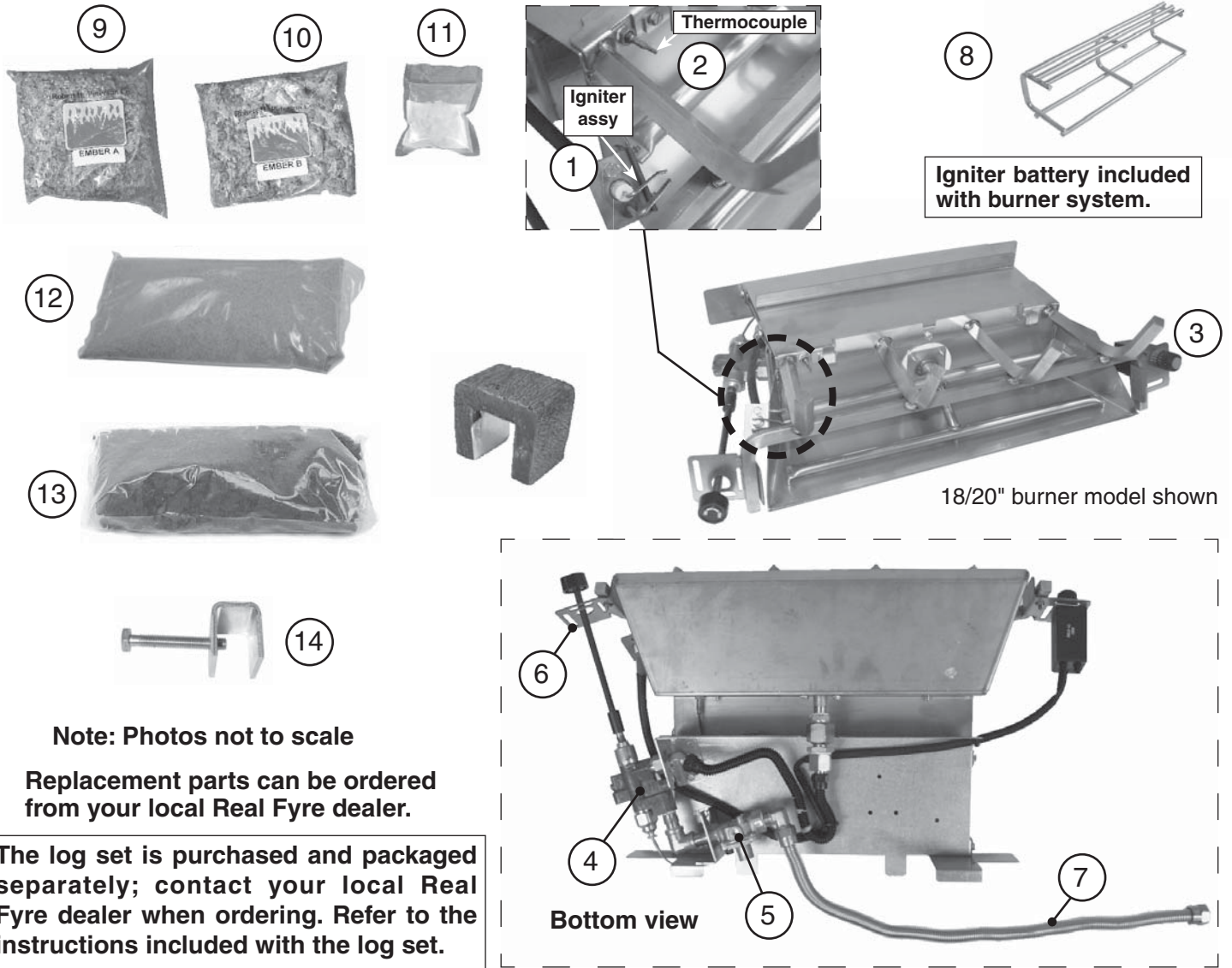
Table 3 - Minimum Chimney Damper Vent Opening Requirements

Note: For indoor installations, the minimum chimney height from hearth to top of chimney is 15'.

THESE ARE MINIMUM DAMPER OPENING SPECIFICATIONS.

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

G52 STAINLESS STEEL BURNER PARTS LIST



Note: Photos not to scale

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

The log set is purchased and packaged separately; contact your local Real Fyre dealer when ordering. Refer to the instructions included with the log set.

Item	Description	18/20" model		24/30" model	
		Part No.	Qty.	Part No.	Qty.
1.	Electrode igniter assembly (w/wire)	EA-05	1	EA-05	1
2.	Thermocouple	SV-30-1	1	SV-30-1	1
3.	Igniter module	OCR-34-21	1	OCR-34-21	1
4.	Control valve (natural or propane)	SV-34	1	SV-34	1
5.	Regulator (natural gas) or Regulator (propane gas)	PR-1NAT PR-1LP	1 1	PR-1NAT PR-1LP	1 1
6.	Valve extension kit (includes extension rod, knob, bracket & nut)	EH-15	1	EH-15	1
7.	Flex connector (w/ adapter), 1/2" O.D. x 24"	3035	1	3035	1
8.	Radiant booster grid	SC-10	1	SC-15	1
9.	Glowing embers A	EM-22A	1	EM-21A	1
10.	Glowing embers B	EM-22B	1	EM-21B	1
11.	Bryte coals	EM-11	1	EM-11	1
12.	Sand, #16 (natural gas burner) or Lava granules (propane gas burner)	400071-8 LF-5	1 1	400071-10 LF-5	1 2
13.	Lava granules (fireplace floor)	LF-4	1	LF-4	1
14.	Damper clamp	DC-1	1	DC-1	1

INSTALLATION

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 the 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.

18/20" burner model shown here.

BURNER INSTALLATION

Important: Ensure that the gas supply line is located out of pathways where people may trip over it or in areas where the line may be subject to accidental damage (if applicable).

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. 14-1).

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

3. Place the burner system in the fireplace. Center the burner from left to right in the fireplace. See Fig. 14-2.

Note: The tabs located on the burner are for spacing and air circulation. See Fig. 14-3.

4. **Be sure gas to the fireplace is off.** Remove the adapter connected to the flex connector (pre-installed on the burner system). 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. 14-1).
5. **LEAK TEST:** Turn on the fireplace gas supply, and test at all connections for leaks using the appropriate soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. **NEVER USE A FLAME TO CHECK FOR LEAKS.**
6. At this stage the igniter battery is to be installed. Reference the INSTALLING/REPLACING IGNITER BATTERY section for details.

7. Decorative Heat Shield

Place the decorative heat shield over the igniter module as shown in Fig. 14-4.

CAUTION: THE DECORATIVE HEAT SHIELD WILL BE HOT DURING AND AFTER OPERATION.

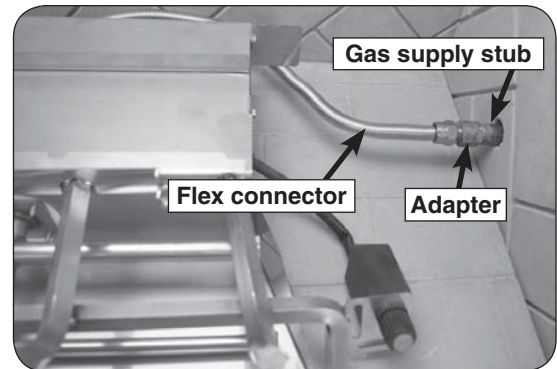


Fig. 14-1 Connect gas supply

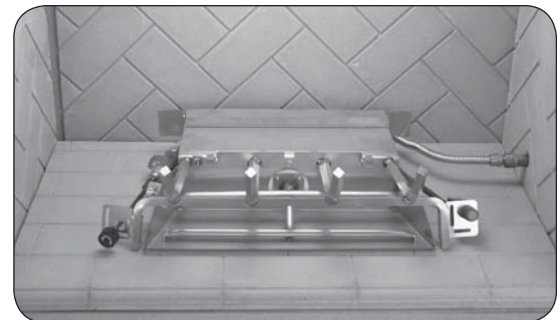


Fig. 14-2 Center burner in fireplace

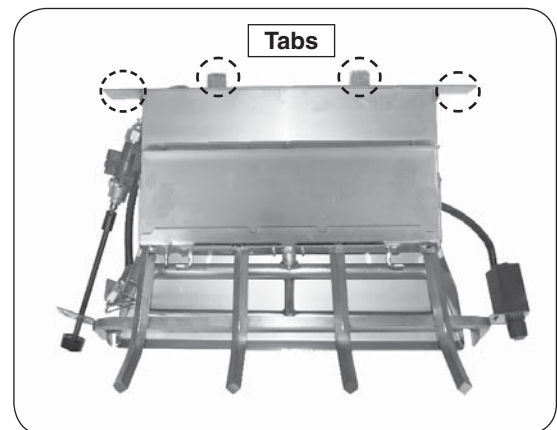


Fig. 14-3 Burner tabs detail

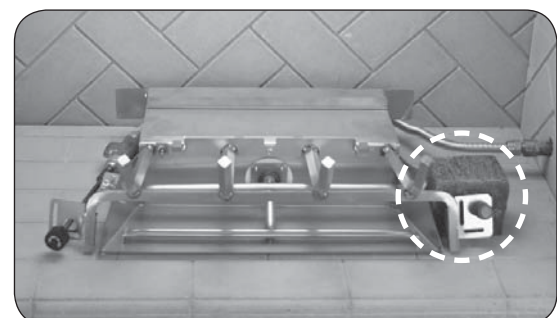


Fig. 14-4 Place heat shield

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.**

LAVA GRANULES (FIREPLACE FLOOR)

Spread the supplied lava granules on the floor of the fireplace, around the front and sides of the burner system (see Fig. 15-1). The lava granules may be placed around the igniter module. Leave the front of the module clear for access.

Note: DO NOT place any lava granules on the burner system, below it, behind it, behind the igniter module, or under the knob at the front of the valve.

SAND/LAVA GRANULES PLACEMENT (BURNER)

The sand/lava granules supplied with the unit are specially selected for use with either natural or propane gas. They maximize flame distribution and provide a cleaner burning flame.

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

1. Fill the burner pan completely with the sand/lava granules (see Fig. 15-3). **DO NOT cover the thermocouple or electrode igniter assembly.**
2. **Slope the sand/lava granules at the same angle as the burner pan.** This is important to ensure quiet lighting and even flame distribution. See Fig. 15-4.

Note: For sand on a natural gas burner only: pack the sand tightly. (Not applicable for lava granules / propane models.)

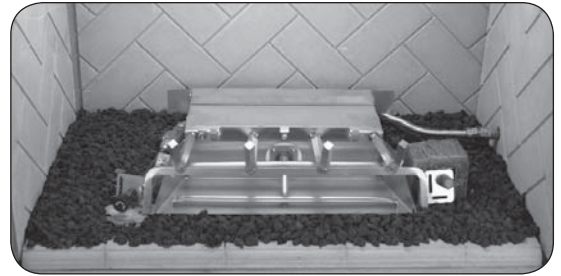


Fig. 15-1 Place lava granules (floor)

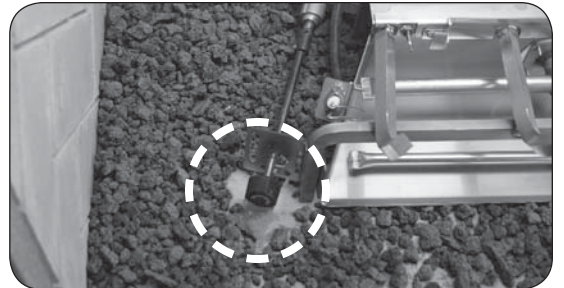


Fig. 15-2 Granules detail - keep knob clear

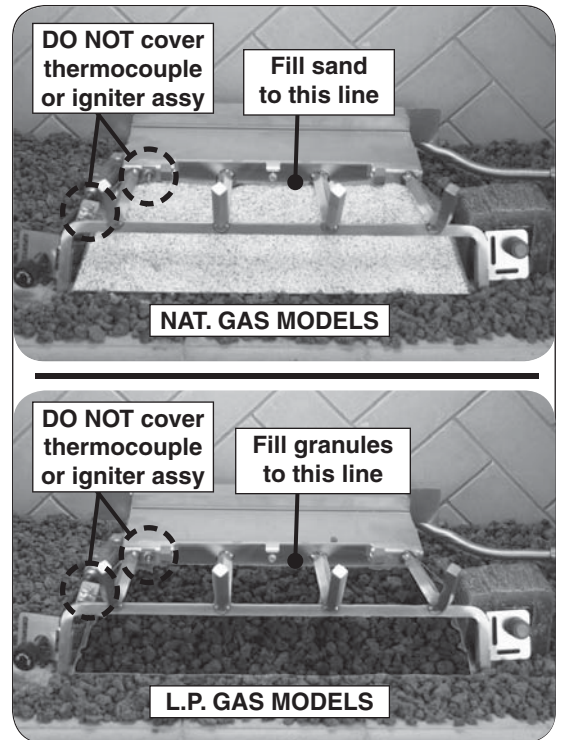


Fig. 15-3 Place sand/lava granules (burner)

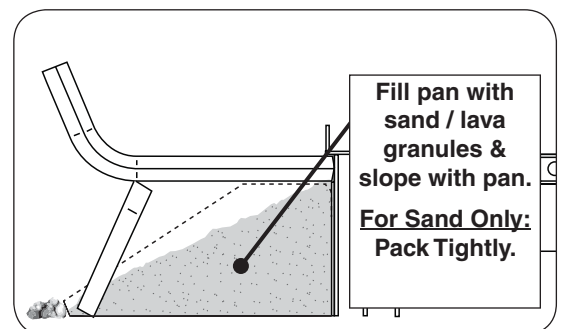


Fig. 15-4 Sand/lava granules detail

INITIAL GLOWING EMBERS (A) PLACEMENT

Important: The supplied embers are to be applied at several stages of installation. You may end up with some unused embers at the end of installation. If so, store them for later use/replacement.

Sprinkle a portion of the **glowing embers A** lightly and evenly over the entire surface of the sand/lava granules as shown in Fig. 16-1. **Break up any clumps that may have developed during shipment. Store unused embers for later use/replacement.**

Important: Place the **glowing embers A** lightly and evenly as shown. **DO NOT** over apply.

KEEP SAND, LAVA GRANULES, EMBERS, AND ALL FOREIGN OBJECTS AWAY FROM THE THERMOCOUPLE AND IGNITER ASSEMBLY DURING MEDIA PLACEMENT AND AT ALLTIMES. SEE FIG. 16-2.

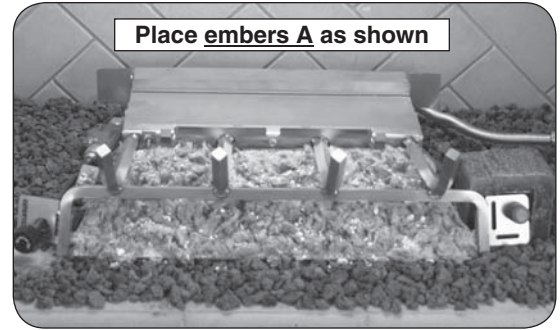


Fig. 16-1 Place glowing embers A

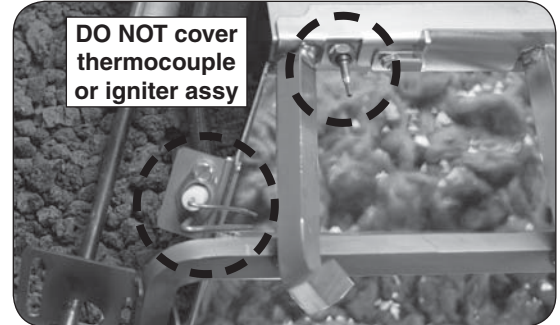


Fig. 16-2 Keep thermocouple and igniter assembly clear

IMPORTANT

EMBER PLACEMENT IS NOT COMPLETE AT THIS STAGE.

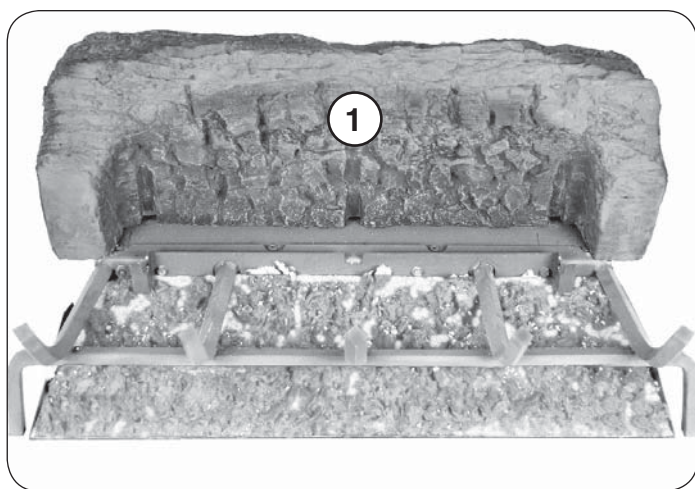
REFER TO THE NEXT PAGE AND THE SEPARATE INSTRUCTIONS PACKED WITH YOUR LOG SET TO CONTINUE INSTALLATION.

INSTALLATION (cont.)

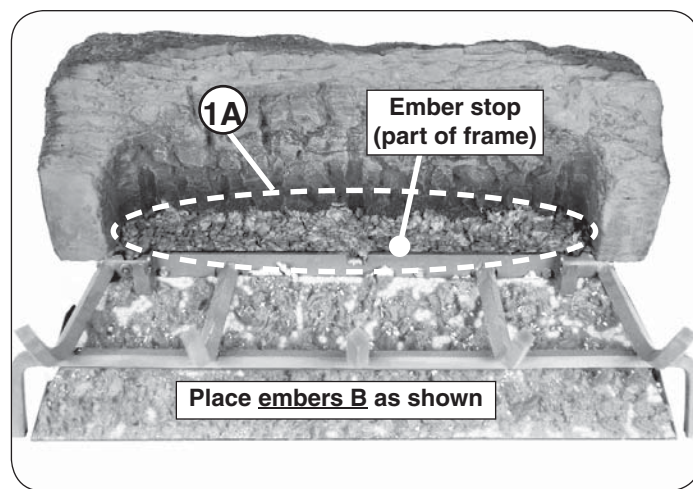
LOG SET, BOOSTER GRID, GLOWING EMBERS (B), AND BRYTE COALS PLACEMENT

- Read all safety warnings and important information in this manual and the instructions supplied with the log set to ensure proper placement.
- **DO NOT** add any additional embers to this setup. Any additional embers will cause unsafe operation.
- Your log set design may slightly vary from the images shown here, but initial placement is the same.

All models begin with the bottom log and ember placement shown below. To complete log placement continue to the instructions supplied with your specific log set.

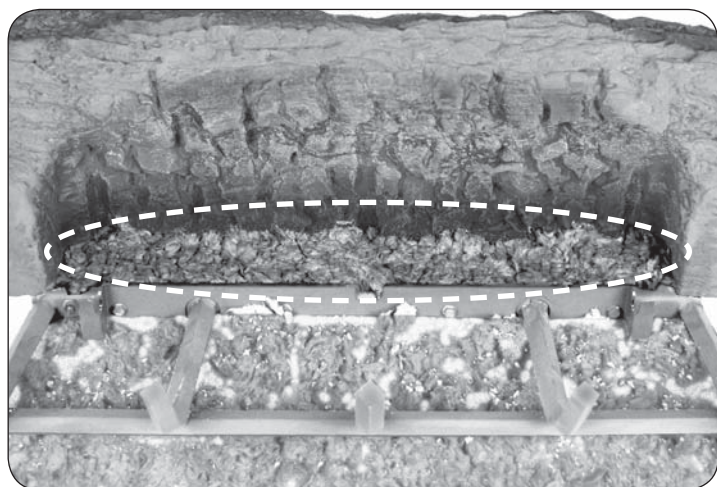


Place the rear log (log #1) as shown. The log should be slid back on the burner until it hits the backstop.

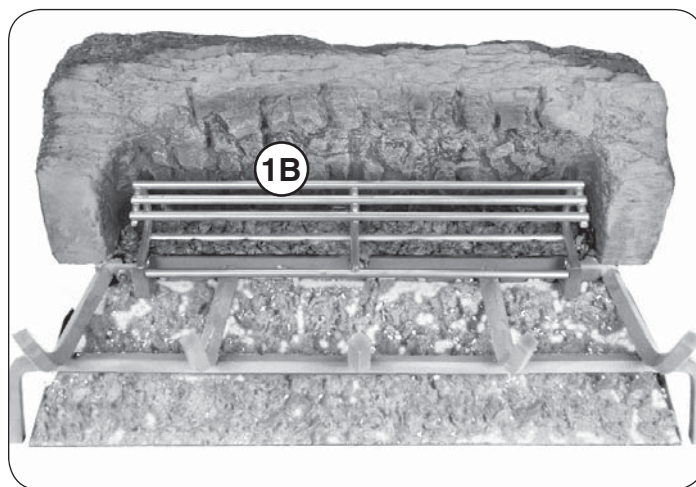


The ember stop at the front of the shelf serves to confine the embers B in place. Place and pack a level amount of **embers B** on the shelf in front of the rear log as shown.

- **PACK THE EMBERS DOWN** (to reduce heat transfer to components below).
- Save a small amount of embers for placement on the radiant booster grid.

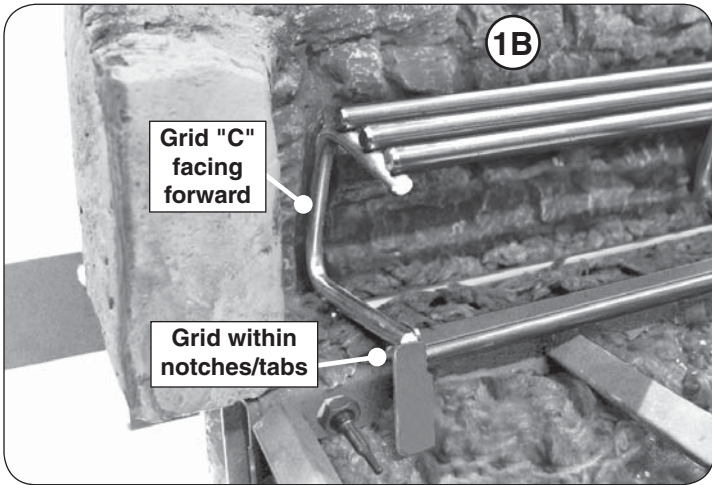


Ensure the embers are level and packed in place.



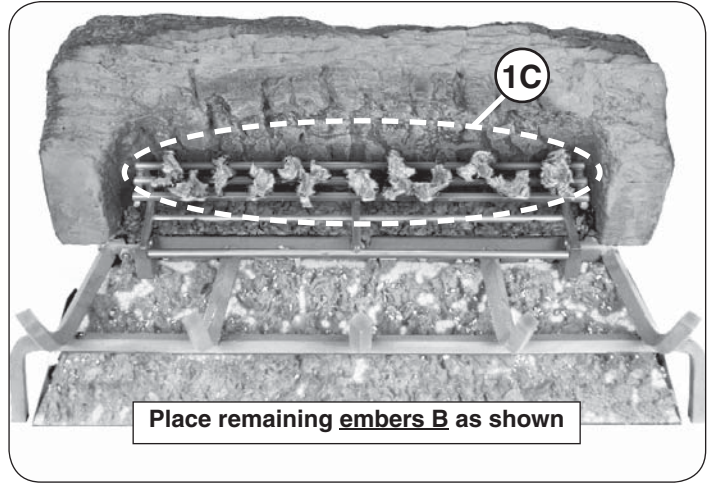
Place the radiant booster grid as shown above and in the next image. The grid should rest against the rear log. The ember stop has notches to properly align the grid in place.

INSTALLATION (cont.)

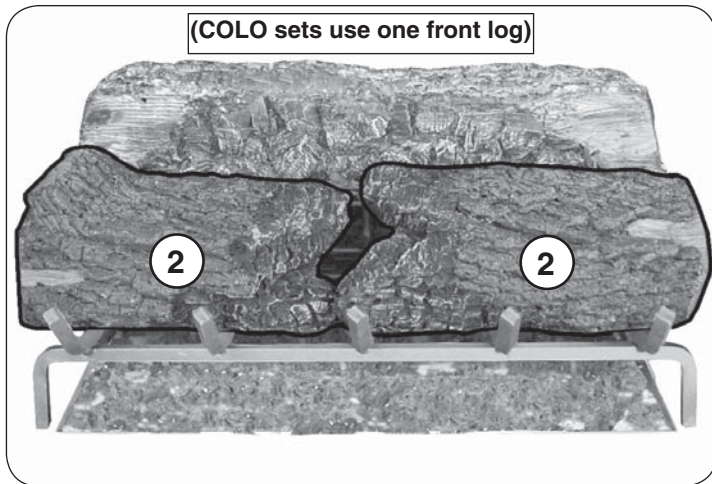


Radiant booster grid detail:

- Rest against rear log, orient with grid "C" facing forward, and within notches/tabs.



Place the remaining amount of **embers B** across the grid as shown.



Place the left and right front log pieces (log #2) as shown. The two logs should be touching and centered on the burner from left to right.



Gently bring together the rear and front logs to create a tight fit around the grid.

FOLLOW THE INSTRUCTIONS INCLUDED WITH YOUR SPECIFIC LOG SET TO COMPLETE LOG AND BRYTE COALS PLACEMENT.

Important: Adequate ventilation is absolutely necessary! Adequate spacing between the logs is **NECESSARY** and **MUST** be maintained. Provided significant, noticeable sooting **does not** occur, some flexibility is possible in top log placement to suit your individual preference. If you experience a continued accumulation of black carbon (soot) on your logs it is an indication of incomplete combustion and you should move the effected log(s) so as to minimize the flame contact on the effected log(s). If significant sooting continues, stop using this gas log set. Read the instructions supplied with the log set completely and carefully.

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

INSTALLING/REPLACING IGNITER BATTERY

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

CAUTION: Turn off the burner and allow the unit to completely cool prior to any battery replacements.

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

Important: **A low/dead battery will affect burner system operation. Replace the battery any time the burner will not turn on.**

IGNITER BATTERY

Important: Be sure to replace the decorative heat shield over the igniter module after battery replacement.

The igniter requires 1 AA battery to operate (included). Locate the igniter on the right side of the unit and unscrew the igniter cap (see Fig. 19-1, A). Remove the existing battery (see Fig. 19-1, B). Insert the new battery (negative end first) into the igniter and replace the cap. Screw the cap down until snug. **DO NOT** overtighten.

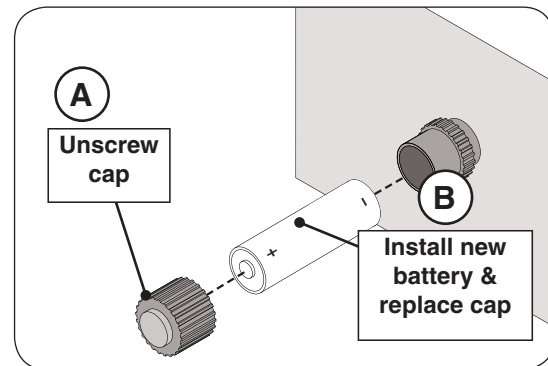


Fig. 19-1 Igniter battery

INSTRUCTIONS D'ALLUMAGE

POUR VOTRE SÉCURITÉ, LIRE AVANT D'ALLUMER

AVERTISSEMENT: SI VOUS NE SUIVEZ PAS CES INSTRUCTIONS À LA LETTRE, UN INCENDIE OU UNE EXPLOSION POURRAIENT S'ENSUIVRE, CAUSANT DES DOMMAGES MATÉRIELS, DES BLESSURES OU DES PERTES DE VIE.

- A.** Utilisez uniquement votre main pour enfoncer ou tourner le bouton de contrôle du gaz. N'utilisez jamais d'outils. Si le bouton ne s'enfonce ou ne tourne pas à la main, n'essayez pas de le réparer. Appeler un technicien qualifié. Une force excessive ou une tentative de réparation peut provoquer un incendie ou une explosion.
- B.** **AVANT D'ALLUMER**, sentez tout autour de l'unité de surface 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

1. Coupez le gaz à l'appareil.
 2. Éteindre toute flamme nue.
 3. Si l'odeur persiste, appelez immédiatement votre fournisseur de gaz ou le service des incendies.
- C.** N'utilisez pas cet appareil si une partie quelconque a été submergée. Appelez immédiatement un technicien qualifié pour inspecter l'appareil et remplacer toute pièce du système de contrôle et tout contrôle de gaz immergé. Toute tentative d'utilisation peut provoquer un incendie ou une explosion, entraînant des dommages matériels, des blessures ou la mort.

AVERTISSEMENT: GARDEZ VOTRE DISTANCE LORS DE L'ÉCLAIRAGE.

1. **ARRÊT!** Lire les consignes de sécurité ci-dessus.
2. S'assurer que le bouton de contrôle du gaz est en position **OFF (éteindre)** avant de séquence d'éclairage à partir la position.
3. Appuyez et maintenez enfoncé le bouton d'allumage électronique (voir Fig. 20-1). L'allumeur commence à susciter un déclic rapide.
4. **Tout en maintenant le bouton d'allumage dans, vérifiez que l'électrode est étincelles.** Ensuite, tournez la commande de gaz dans le sens anti-horaire à la position **ON (allumer)**, appuyer et maintenir pendant 15 secondes (voir Fig. 20-2). Votre brûleur doit allumer.

Maintenir le bouton pendant 15 secondes permet à la soupape de sécurité et pour activer le brûleur reste allumé

AVERTISSEMENT: Si le brûleur ne s'allume pas dans les 5 secondes, appuyez immédiatement sur le bouton de commande et tournez dans le sens horaire à la position OFF (éteindre).

Attendez environ cinq (5) minutes pour laisser échapper tout le gaz, et répétez les étapes 3-4 ci-dessus.

Si votre brûleur ne s'allume pas, appuyer sur le bouton de commande et tournez dans le sens horaire à la position OFF (éteindre) et contactez votre revendeur ou fournisseur de gaz.

Note: La hauteur de flamme est réglable via le bouton de commande.

Note: **Pour allumer manuellement le brûleur**, placez une allumette allumée sur la surface des braises près du brûleur (**ne la tenez pas dans votre main**) ou utilisez un allumeur à tige longue / briquet au butane à long manche allumé. Continuez ensuite avec la procédure ci-dessus.

POUR ARRÊTER LE GAZ À L'APPAREIL

Pour éteindre le brûleur à gaz, appuyer sur le bouton de contrôle du gaz et tourner dans le sens horaire à la position **OFF (éteindre)** (voir Fig. 20-2). Assurez-vous que le bouton de commande est tourné complètement hors tension pour éviter toute fuite de gaz.

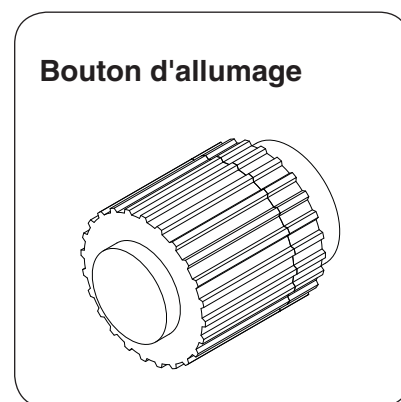


Fig. 20-1

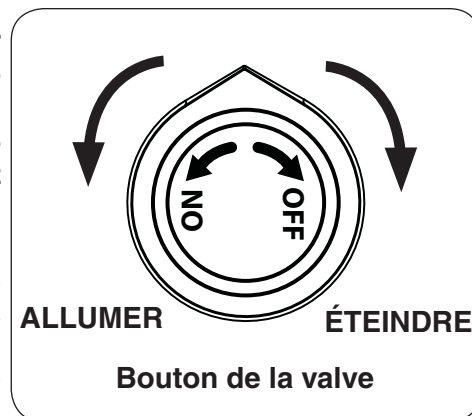


Fig. 20-2

LIGHTING INSTRUCTIONS

FOR YOUR SAFETY, READ BEFORE LIGHTING

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

- A. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, **DO NOT** try to repair it. Call a qualified professional service technician. Excessive force or attempted repair may result in fire or explosion.
- B. **BEFORE LIGHTING**, smell all around the unit 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

- 1. Shut off the gas to the appliance.
 - 2. Extinguish any open flame.
 - 3. If odor continues, immediately call your gas supplier or the fire department.
- 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 which has been underwater. Attempted operation may result in fire or explosion resulting in property damage, personal injury or loss of life.

WARNING: KEEP YOUR DISTANCE WHEN LIGHTING.

- 1. **STOP!** Read the safety information above.
- 2. Ensure the gas control knob is in the **OFF** position before beginning lighting sequence.
- 3. Press and hold the electronic igniter button (see Fig. 21-1). The igniter will begin to spark with a rapid clicking sound.
- 4. **While holding the igniter button in, verify that the electrode is sparking.** Then turn the gas control knob counter-clockwise to the **ON** position, depress, and hold for 15 seconds (see Fig. 21-2). Your burner should light within 5 seconds.

Holding the knob in for 15 seconds allows the safety valve to activate and the burner to remain lit.

WARNING: If the burner fails to light within 5 seconds, immediately depress the control knob and turn clockwise to the OFF position.

Wait approximately five (5) minutes to clear out any gas, and repeat steps 3-4 above.

If your burner fails to light again, depress the control knob and turn clockwise to the OFF position and contact your dealer or gas supplier.

Note: The flame height can be adjusted via the control knob.

Note: **To manually light the burner**, lay a lighted match on the surface of the embers near the burner (**do not hold the match in your hand**) or use a lighted long-stem match/long-necked butane lighter. Then continue with the procedure above.

TO SHUT OFF GAS TO THE APPLIANCE

To extinguish your gas burner, depress the gas control knob and turn it clockwise to the **OFF** position (see Fig. 21-2). Be sure the control knob is turned fully off to avoid any gas leakage.

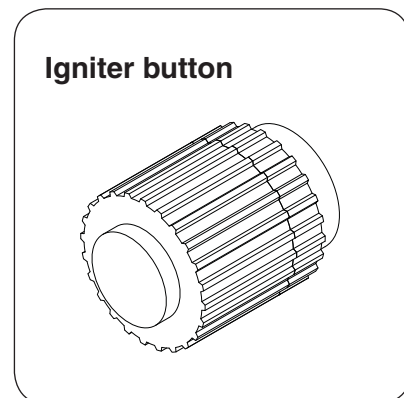


Fig. 21-1

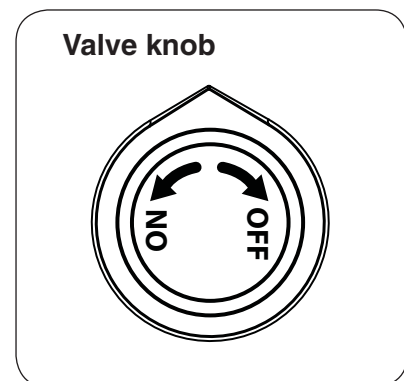


Fig. 21-2

NOTES PAGE

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

CLEANING AND SERVICING

Note: Servicing may be necessary to ensure proper operation and 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 with the correct tools to service this unit. More frequent servicing may be required. It is imperative that all components and compartments, burner(s), and circulating air passageways of the appliance be kept clean and free of all obstructions (as applicable).

The burner assembly must be replaced prior to the unit being put into operation if it is evident that the burner is damaged. Contact your local dealer for replacement parts.

DO NOT use substitute materials when replacing any components of the appliance.

In addition, a periodic examination and cleaning of the 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 battery as needed. See INSTALLING/REPLACING IGNITER BATTERY 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.

FLAME DESCRIPTION

Observe the flames. The main burner flames should be blue at the base and a combination of blue/yellow at the body and at the tips. They should be approximately 5-8" above the logs, with the center flame being the tallest. The ember flames should be 1/4" to 5" above the embers. (See 23-1 for example.)



Fig. 23-1 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, & <u>check with local gas company</u>). 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. Blocked thermocouple	B. Ensure thermocouple is clear of any media or debris.
C. Faulty thermocouple	C. Check/replace thermocouple.
D. Faulty valve or regulator	D. Check/replace valve/regulator.
E. Unit exposed to high-wind conditions	E. Ensure that the unit is installed in an area that is less susceptible to high wind conditions. DO NOT operate in high-wind conditions.
F. Fireplace too small for unit	F. Ensure minimum requirements are met (see SPECIFICATIONS section).
G. Blockages on burner	G. Vacuum any materials that may have fallen onto burner port area.
2 BURNER WILL NOT TURN ON	
A. Gas not reaching appliance	A. Check gas supply and gas shut-off valve.
B. Air in gas line	B. Purge air from gas line.
C. No ignition at igniter	C. See next section (Igniter Will Not Function symptom) for details.
D. Thermocouple is loose	D. Tighten thermocouple nut at gas control valve. (Do not over tighten.)
E. Thermocouple is cracked	E. Check/replace thermocouple.
3 IGNITER WILL NOT FUNCTION	
A. Loose wire	A. Check wire is securely in place.
B. Dead battery	B. Replace battery.
C. Faulty igniter assembly	C. Check/replace igniter assembly.
D. Igniter assembly blocked by media	D. Ensure igniter assembly is clear of any media or debris.
4 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. Incorrect media (sand or lava granules) for gas type	D. Contact dealer for proper media (sand or lava granules).
5 FLAME LIFTS OFF THE BURNER ASSEMBLY	
A. Unit exposed to high-wind conditions	A. Ensure that the unit is installed in an area that is less susceptible to high wind conditions. DO NOT operate in high-wind conditions.

5**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.
C. Top burner lights; bottom burner has delayed ignition.	C1. Check gas pressure. Can be caused by too small of a gas line (see Section 1, A1 of this table). C2. Low propane tank level. Vacuum burner tube for soot blockage and fill propane tank.

6**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 (if applicable)	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.

7**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. Log placement	G. See solution in Section 1, B.
H. Using natural-gas burner on propane gas or propane gas 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.

8**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 lava granule 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.

WARRANTY

PETERSON OUTDOOR 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 ceramic refractory gas logs are warranted for **THREE (3) years when used outdoors and as long as you own them (lifetime) when used indoors.**

Peterson vented stainless steel fireplace burner assemblies excluding valves, pilots, and controls are **WARRANTED for FIVE (5) YEARS.**

Peterson glass, gems, nuggets, and fiber-ceramic blend gas logs are warranted for **FIVE (5) YEARS.**

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

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 for single family residential usage. This warranty is valid only with proof of purchase, shall commence on the date of purchase, and shall terminate (both as to original and any replacement products) on the anniversary date of the original purchase of the product stated on 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 Owner's Manual/Installation Instructions, accidental damage, improper handling, improper storage, improper installation, **lack of required routine maintenance** (as specified in the Owner's Manual/Installation Instructions), electrical damage, local gas impurities or failure to protect against combustibles. Product must be installed (and gas must be connected) as specified in the Owner's Manual/Installation Instructions by a **qualified professional installer**. Modifications to products which are not specifically authorized will void this warranty. Accessories, parts, valves, remotes, etc. when used must be Peterson products or this warranty is void. Warranted items will be repaired or replaced at Peterson's sole discretion. This warranty **does not** apply to rust, corrosion, oxidation, or discoloration unless the affected part becomes inoperable.

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.**

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