



Rasmussen
THE GAS LOG COMPANY

Flaming Ember Burner

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Assembly, Installation, and Operation Instructions for Rasmussen Vented Hearth Kit Or Vented Burner Models:

F; FH; FH-S3; FX; FX-H; FXH-S3 for use with Natural Gas
FA; FAH; FAH-S3; FAX; FAXH; FAXH-S3 for use with Propane (LP) Gas

IMPORTANT READ THESE INSTRUCTIONS CAREFULLY BEFORE
BEGINNING INSTALLATION OF LOG SET.

This is a vented gas appliance requiring a solid fuel burning fireplace
constructed of noncombustible material with a fully functional chimney flue which
must vent all products of combustion.
WHEN OPERATING, THE CHIMNEY DAMPER MUST BE FULLY OPEN.

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

WARNING: Improper installation,
adjustment, alteration, service or
maintenance can cause property
damage, personal injury or loss of life.
Read these instructions thoroughly
before installation.
For assistance or additional information,
consult your gas log dealer, qualified
installer, service agency or gas supplier.

WHAT TO DO IF YOU SMELL GAS

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

FOR YOUR SAFETY: Do not store or use gasoline or other flammable vapors
and liquids in the vicinity of this or any other appliance.

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

**THIS BURNER FOR USE ONLY IN A FULLY FUNCTIONING SOLID FUEL
BURNING FIREPLACE CONSTRUCTED OF NON COMBUSTIBLE MATERIAL
WITH A WORKING FLUE.**

**WHEN OPERATING, THE DAMPER MUST BE WIDE OPEN. THE FLUE MUST
VENT ALL PRODUCTS OF COMBUSTION.**

**TO PROVIDE AIR FOR SAFE COMBUSTION, COMPONENT COOLING AND
VENTING, GLASS DOORS MUST BE KEPT WIDE OPEN WHEN THE
BURNER IS ON . AFTER USE, ALLOW GAS LOGS TO COOL BEFORE
CLOSING GLASS DOORS.**

IMPORTANT INSTALLATION REQUIREMENTS

Installation Requirements:

THIS BURNER IS FOR USE ONLY IN A FULLY FUNCTIONING WOOD BURNING FIREPLACE WITH THE DAMPER WIDE OPEN. THE FLUE MUST VENT ALL PRODUCTS OF COMBUSTION.

1. The installation and the provisions for combustion and ventilation air must conform with the *National Fuel Gas Code ANSI Z223.1 - Latest Edition* or the *CSA B149.1 Natural Gas and Propane Installation Guide*.
2. A manufactured home (USA only) or mobile home OEM installation must conform with the (U.S.) *Manufactured Home Construction and Safety Standard, Title 24 CFR, part 3280*, or, when such a standard is not applicable, the *Standard for Fire Safety Criteria for Manufactured Home Installation Sites and Communities, ANSI/NFPA 501A*, the U.S., or the *Mobile Homes Standard, CAN/CSA-Z240 MH series* in Canada.

Gas Supply and Pressure Requirements:

1. **Verify appliance gas type:** Verify that the Burner-Valve assembly is correctly matched to the gas supply.

NATURAL GAS	F; FH; FH-S3; FX; FX-H; FXH-S3
PROPANE GAS	FA; FAH; FAH-S3; FAX; FAXH; FAXH-S3

NOTE: Propane Valve Assemblies can be quickly identified by the Air Mixer hole present on the Black Iron Coupling.

2. If local gas supply valve is not already installed at the installation, install a gas valve on the supply line in or just outside the fireplace in accordance with the provisions of the *National Fuel Gas Code ANSI Z223.1 - Latest Edition* or the *CSA B149.1 Natural Gas and Propane Installation Guide*.
3. **Natural Gas Operating Pressures:** The minimum inlet gas supply pressure for the purpose of input adjustment shall be 6 inches of water column. The maximum inlet gas supply pressure shall be 7 inches of water column.
4. **Propane Gas Operating Pressures:** The minimum inlet gas supply pressure for the purpose of input adjustment shall be 11 inches of water column. The maximum inlet gas supply pressure shall be 14 inches of water column.

The gas supply must be regulated prior to input into the appliance. Never connect this appliance directly to an unregulated Propane tank. Do not conduct line pressure testing in excess of 1/2 psig without first isolating the appliance. see Pressure Testing, page 4.

Firebox Requirements:

1. This gas log set must only be installed in a solid-fuel burning fireplace constructed of non combustible material with a working flue. **The flue must be operable and must exhaust all products of combustion.**

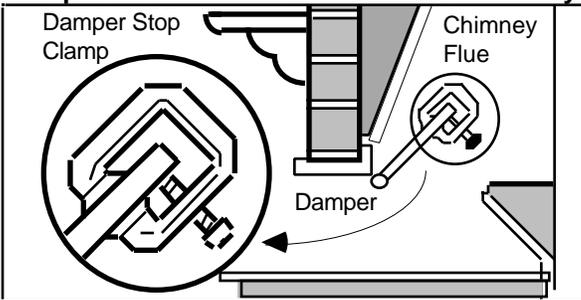
THIS BURNER IS FOR USE ONLY IN A FULLY FUNCTIONING WOOD BURNING FIREPLACE WITH THE DAMPER WIDE OPEN. THE FLUE MUST VENT ALL PRODUCTS OF COMBUSTION.

Firebox Sizing Requirements:

2. The minimum size (in inches) of the fireplace in which the log set is to be installed must be in accordance with the **MINIMUM FIREPLACE SIZE IN INCHES** below:

LOG SET SIZE	HEIGHT	DEPTH	WIDTH	CHIMNEY
18 INCH	16	13	24	7 INCH DIAMETER
20 or 21 INCH	16	13	28	7 INCH DIAMETER
24 INCH	16	13	32	7 INCH DIAMETER
30 INCH	16	13	36	8 INCH DIAMETER

Required Minimum Permanent Chimney Damper Opening:



1. The chimney damper must be fixed in a manner to maintain a permanent free opening of at least **39 square inches** based on a minimum chimney height of at least 8 feet. The area of the flue must not be less than 1/10 the area of the fireplace opening. **The flue must exhaust all products of combustion. MINIMUM PERMANENT CHIMNEY OPENING** is accomplished by either installing the provided damper clamp, permanently fixing the damper open, or by drilling holes in the damper blade.

Attaching Damper Clamp:

1. Install the damper clamp (provided) on the edge of the damper blade to prevent its closing, or drill holes in the damper.

WARNING: Minimum Permanent Chimney Damper Opening is the minimum permanent opening required by Standard or Codes to ensure safe operation of the appliance. It is not the minimum operating damper position. When operating this appliance, THE DAMPER MUST BE WIDE OPEN. The flue must vent all products of combustion.

Required Fireplace Preparation Prior to Installation:

1. Firebox and chimney damper/flue must be thoroughly cleaned (if previously used for either gas or wood burning.)

WARNING: Before installing in a solid fuel burning fireplace, the chimney flue and firebox must be cleaned of soot, creosote, ashes and loose paint by a qualified chimney cleaner.

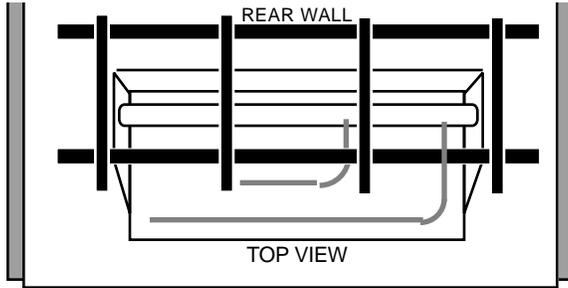
2. The area around the installation must be clear and free from combustible materials, gasoline and any other flammable vapors and liquids. Provide adequate clearances for servicing and proper operation.

ASSEMBLY AND INSTALLATION

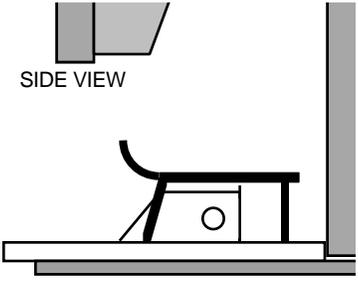
Required Tools And Materials:

Screw Driver, Adjustable Wrench, Pipe Wrench, Pipe Sealing Compound, Matches.

Burner Pan and Grate Positioning (see Firebox Sizing Requirements-page 2):



1. Place **GRATE** inside firebox as far to the rear as possible. Center **GRATE** left to right.
2. With open edge facing out, place **BURNER PAN** beneath grate with leading edge approximately one inch forward of **GRATE** front legs.
3. Mark positions of **GRATE** and **BURNER PAN** on fire place floor with pencil. Remove from firebox.

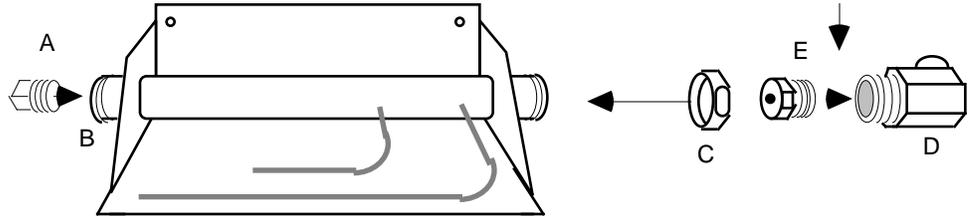


Burner Pan Assembly:

Standard Match Lighted (For use only with Natural Gas Models F, FH, FX, FXH)

WARNING: A SAFETY PILOT MUST BE INSTALLED ON ALL UNITS DESIGNED OR CONVERTED TO BURN PROPANE/LP GAS

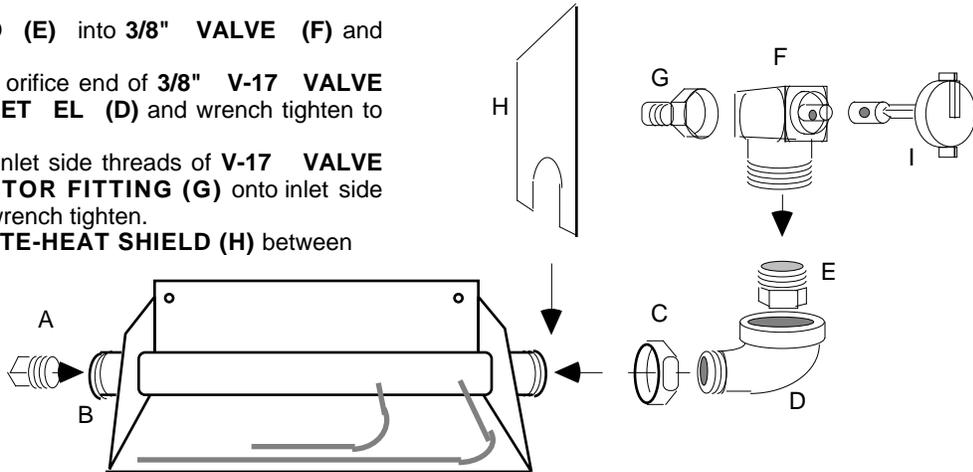
1. Apply pipe compound to threaded end of **3/8" BURNER PLUG (A)**. Opposite from gas supply, thread **BURNER PLUG (A)** into **BURNER PIPE (B)** and wrench tighten.
2. Wrench tighten **LOCKING PAL NUT (C)** onto non-tapered end **3/8" BRASS ORIFICE HOLDER (D)**.
3. Thread **ORIFICE SPUD (E)** into **3/8" ORIFICE HOLDER (D)**. Wrench tighten.
4. Apply pipe compound to the outside threads of the **3/8" ORIFICE HOLDER (D)**. Thread into **BURNER TUBE (B)** and wrench tighten with the flared connection facing towards rear.
5. Insert the **RATING PLATE /HEAT SHIELD (F)** between the **LOCKING PAL NUT (C)** and the **BURNER TUBE (B)**. Wrench tighten the **LOCKING PAL NUT**.



Optional Accessory Match Lighted Manual V-17 Valve (For use only with Natural Gas Models F, FH, FX, FXH)

WARNING: A SAFETY PILOT MUST BE INSTALLED ON ALL UNITS DESIGNED OR CONVERTED TO BURN PROPANE/LP GAS

1. Apply pipe compound to threaded end of **3/8" BURNER PLUG (A)**. At opposite end from gas supply, thread **BURNER PLUG (A)** into **BURNER PIPE (B)** and wrench tighten.
2. Wrench tighten **LOCKING PAL NUT (C)** onto **3/8" STREET EL (D)**.
3. Apply pipe compound to threaded end of **3/8" STREET EL (D)**. Thread into **BURNER TUBE (B)** and wrench tighten to position shown.
4. Thread **ORIFICE SPUD (E)** into **3/8" VALVE (F)** and wrench tighten.
5. Apply pipe compound to orifice end of **3/8" V-17 VALVE (F)**. Thread into **3/8" STREET EL (D)** and wrench tighten to position shown.
6. Apply pipe compound to inlet side threads of **V-17 VALVE (F)**. Thread **3/8" CONNECTOR FITTING (G)** onto inlet side of **V-17 VALVE (F)** and wrench tighten.
7. Insert the **RATING PLATE-HEAT SHIELD (H)** between **LOCKING PAL NUT (C)** and **BURNER TUBE (B)**. Wrench tighten the **LOCKING PAL NUT**.
8. Insert **KEY (I)** sleeve over **V-17 VALVE (F)** stem. Insert screw and tighten.



ASSEMBLY AND INSTALLATION (continued)

Optional Accessory Safety Pilot Lighting Kit SPK3: SPK3-F (For use with Natural Gas Models F, FH, FX, FXH); SPK-3-FA (For use with Propane Gas Models FA, FAH, FAX, FAXH).

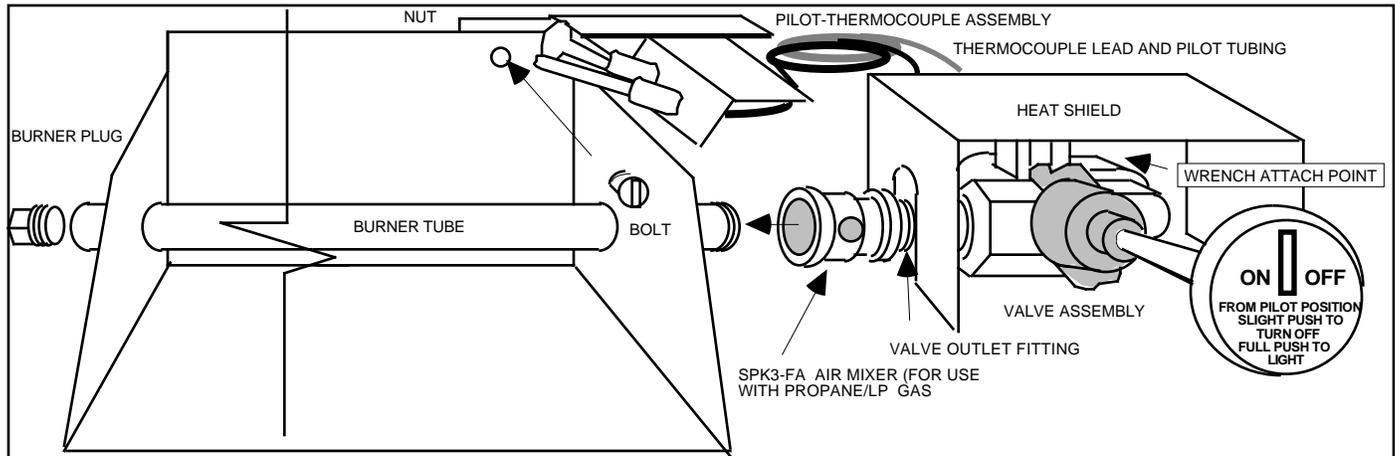
WARNING: A SAFETY PILOT MUST BE INSTALLED ON ALL UNITS DESIGNED OR CONVERTED TO BURN PROPANE/LP GAS

1. Verify assembly of Safety Pilot in accordance with the **SPK3-F/FA SAFETY PILOT INSTRUCTION SHEET**.
2. Apply pipe compound to **BURNER PLUG**. Insert and wrench tighten into **BURNER TUBE** opposite gas supply side. Apply pipe compound to outside threads of the valve side of the **BURNER TUBE** and insert assembled **SPK3 VALVE** onto threads. Using wrench placed on **SPK3 VALVE** at the **WRENCH ATTACH POINT**, tighten to position shown below.
3. Align the **PILOT-THERMOCOUPLE ASSEMBLY** over **BURNER PAN**. Using **NUT** and **BOLT** through pre-punched hole in back of burner pan, attach and ensure that the **PILOT BURNER** is over the **BURNER TUBE CENTER LINE**.

ATTENTION: THERMOCOUPLE LEAD and PILOT TUBING should be coiled behind SPK3 VALVE.

4. With the notched end over the **SPK3 VALVE OUTLET FITTING**, place the **HEAT SHIELD** over the **SPK3 VALVE**.

WARNING: HEAT SHIELD MUST BE INSTALLED TO PREVENT PREMATURE VALVE FAILURE AND/OR VOIDING OF VALVE MANUFACTURER'S WARRANTY



Accessory Millivolt Safety Pilot Lighting Kits:

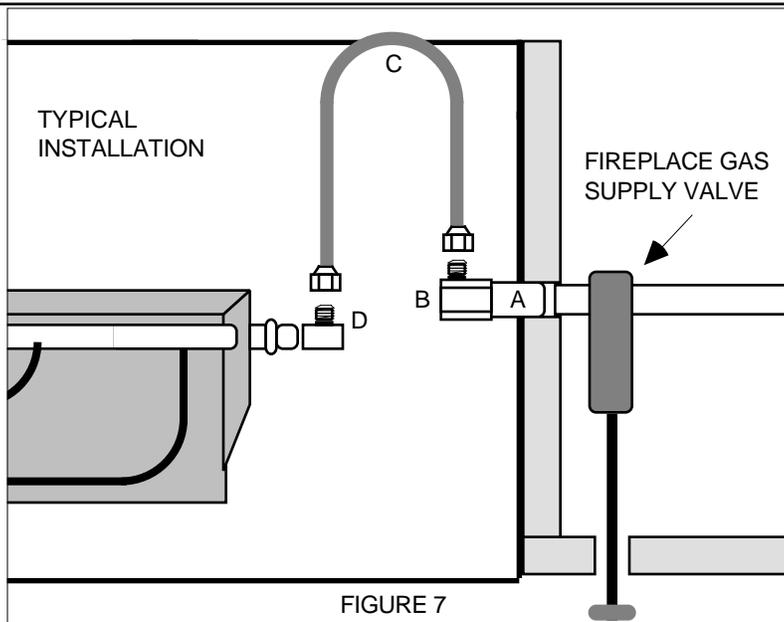
Optional Accessory Safety Pilot Lighting Kits:

RPK1-F, RPK1-F10-F or RMC1-F (For use with Natural Gas Models F, FH, FX, FXH)

RPK1-FA, RPK1-F10-FA or RMC1-FA (For use with Propane/LP Gas Models FA, FAH, FAX, FAXH).

1. Assemble in accordance with specific instruction sheets provided with **SAFETY PILOT LIGHTING KIT**.

STEP THREE: Gas Supply Connection.



ENSURE THAT GAS SUPPLY TO FIREPLACE IS TURNED OFF

1. Apply pipe compound to threaded end of **GAS SUPPLY PIPE (A)**. Thread **1/2" FIP x 3/8" FLARE ELBOW (B)** onto **GAS SUPPLY PIPE (A)** and wrench tighten.
2. With **BURNER PAN** inside firebox at previously marked position, thread (without pipe compound) one end of the **ALUMINUM CONNECTOR TUBE (C)** to the **1/2" FIP x 3/8" FLARE ELBOW (B)** and wrench tighten.
3. Carefully bending **ALUMINUM CONNECTOR TUBE (C)**, align and connect, without pipe compound, to the **FLARED BURNER INPUT FITTING (D)**. Wrench tighten.
NOTE: ALUMINUM CONNECTOR TUBE (C) may kink or break, causing air flow noise and/or leaks if bent into too small a radius.
4. Turn gas supply to fireplace on.
5. Test all connections for leaks with soapy water solution. If solution bubbles, turn off gas supply, re-tighten fitting and recheck.

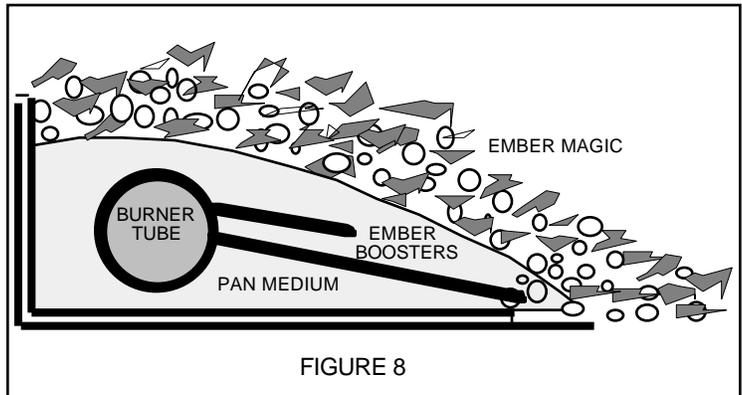
WARNING: DO NOT FLAME TEST FOR LEAKS.

STEP FOUR: Filling Pan with Medium (White Sand-used with Natural Gas or Black Volcanic Ash-used with Propane/LP Gas) and Placing EMBER MAGIC.

1. Completely cover **BURNER TUBE** and **EMBER BOOSTERS** with the appropriate **PAN MEDIUM**. The **WHITE SAND** is for use with Natural Gas, the **BLACK VOLCANIC ASH** is for use with Propane/LP Gas. Use the **ENTIRE CONTENTS** of the bag provided with the burner. Allow medium to spill over leading edge of **PAN**.

2. Sprinkle a light covering of "**EMBER MAGIC**" over the **PAN MEDIUM**. Pull apart "**EMBER MAGIC**" fiber material to enhance the glowing ember effect. Spread the remaining "**EMBER MAGIC**" around ends of pan to enhance ember bed appearance.

3. **VOLCANIC ASH** may be sprinkled around the **OUTSIDE** of the **BURNER PAN** as a decorative effect.

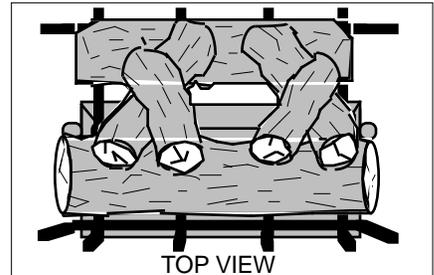
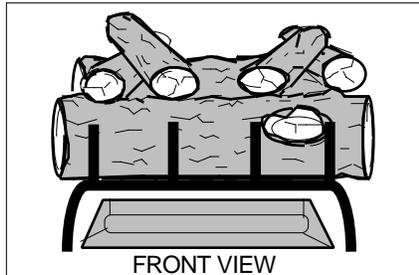
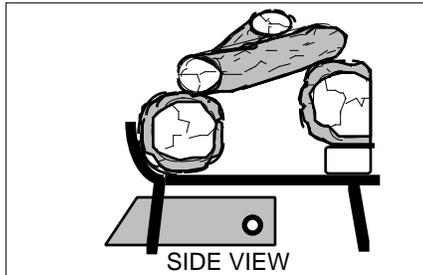


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STEP FIVE: Log Placement.

1. Place **GRATE** over **BURNER PAN** to previously marked position on firebox floor.

2. Place the longest **LOG** as far forward on the **GRATE** as possible. The second longest **LOG** is placed on the **GRATE** as far to the rear as possible on top of the optional **LOG LIFTER** (if provided.) The remaining **LOGS** are **TOP LOGS**. They are placed diagonally across the two large **BOTTOM LOGS** allowing flame to pass freely between them. **CAUTION:** Crowded logs will cause poor combustion and result in excessive soot formation.



STEP SIX: Lighting Instructions and Operation.

IMPORTANT: CHIMNEY DAMPER MUST BE WIDE OPEN

MANUAL MATCH LIGHTING.

- **Standard Match Lit Set (Applies only to Natural Gas Models F, FH, FX, FXH)**

1. Place lighted match on embers near inlet end of burner. **DO NOT HOLD MATCH IN HAND!** Move away from front of fireplace.
2. Slowly open **FIREPLACE GAS SUPPLY VALVE** and wait for burner to light. (See FIGURE 7)
3. Adjust **FIREPLACE GAS SUPPLY VALVE** for desired flame height.
4. **SHUTDOWN:** Close **FIREPLACE GAS SUPPLY VALVE** completely.

MANUAL MATCH LIGHTING WITH ACCESSORY V-17 VALVE.

- **Match Lighted V-17 Valve (Applies only to Natural Gas Models F, FH, FX, FXH)**

1. Ensure that **MANUAL V-17 VALVE** is completely closed. (See FIGURE 5)
2. Open **FIREPLACE GAS SUPPLY VALVE**. (See FIGURE 7)
3. Place lighted match on embers near inlet end of burner. **DO NOT HOLD MATCH IN HAND!** Move away from front of fireplace.
4. Slowly open **MANUAL V-17 VALVE** and wait for burner to light.
5. Adjust **MANUAL V-17 VALVE** for desired flame height.
6. **SHUTDOWN:** Close **MANUAL V-17 VALVE** and **FIREPLACE GAS SUPPLY VALVE** completely.

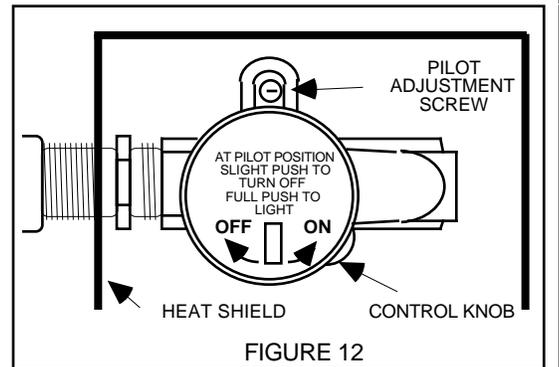
PILOT LIGHTING USING FACTORY INSTALLED or ACCESSORY SPK3.

- **SPK3-F (Applies to Natural Gas Models FH-S3, FXH-S3)**

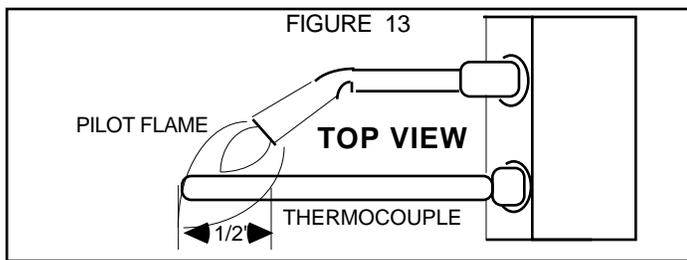
- **SPK3-FA (Applies to Propane/LP Gas Models FAH-S3, FAXH-S3).**

SPK-3F/FA LIGHTING INSTRUCTIONS.

1. Bleed all air from piping leading to control. Carefully re-tighten connection.
2. Turn **CONTROL KNOB** pointer to "OFF" position. Wait 5 minutes before lighting.
3. Turn **CONTROL KNOB** pointer to "PILOT" position. Depress **CONTROL KNOB** and hold down 60 seconds after lighting pilot burner. Release **CONTROL KNOB**. Pilot will remain lighted.
4. Turn **CONTROL KNOB** partially towards the "ON" position. After gas fills burner pan medium, burner will light. Dial may then be turned to full "ON" or to desired flame height.
5. If main or pilot burner extinguishes, turn **CONTROL KNOB** to "OFF" position. Wait five minutes and repeat above lighting procedure from step 1.



STEP SIX: Lighting Instructions and Operation. (continued)



SPK3-F/FA PILOT FLAME ADJUSTING INSTRUCTIONS.

1. Adjust Pilot if necessary. With narrow long stem screw driver, turn **PILOT ADJUSTMENT SCREW** clockwise to reduce size of pilot flame or counterclockwise to increase flame.

Correctly adjusted pilot flame should be steady and soft blue surrounding approximately 1/2 inch of thermocouple tip. Never permit tip to exceed a dull red temperature. (See Figure Six)

SPK3-F/FA VALVE SPECIFICATIONS.

Maximum valve operating pressure is 1/2 PSI (14" WC)
Maximum valve capacity is 129,000 BTU

Maximum ambient temperature is 300° F
AGA certified to ANSI Z 21.20 and ANSI Z 21.15

SPK3-F/FA SERVICE AND TROUBLESHOOTING.

Analysis and correction of control service problems must be made by qualified gas service men only. Attempts to service or repair the Safety Pilot by other than authorized service personnel will void the manufacturer's responsibility and guarantee. In general, failure of control to operate may be due to the reasons noted below:

1. Pilot will not light initially:
 - Check for loose thermocouple Terminal Nut connection.
 - Check for improper pilot flame adjustment.
 - Check that Dial is fully depressed during pilot lighting operation and held depressed for 60 seconds after lighting.
 - Check for defective thermocouple.
 - Check for defective thermo magnet unit.
2. Pilot / main burner clicks off after 5 to 30 minutes of burning:
 - Valve and thermocouple are not defective, otherwise pilot would not initially light.
 - Thermocouple is losing temperature difference between hot tip and cold junction (base).
 - Check that thermocouple assembly is installed on side of burner on bracket per instructions.
 - Check that only tip of thermocouple is in main burner flame.
 - Remove then replace logs to alter heat radiation pattern. Ensure that glass doors are completely open.
 - Ensure that proper size gas log set is installed. Too large of a set decreases cooling air flow.

ACCESSORY RPK1, RPK3, RPK1-F10 or RMC1

- **RPK1-F, RP3-F, RPK1-F10-F, RPK3-F10-F or RMC1-F**
(Applies to Natural Gas Models F, FH, FX, FXH).
- **RPK1-FA, RP3-FA, RPK1-F10-FA, RPK3-F10-FA or RMC1-FA**
(Applies to Propane/LP Gas Models FA, FAH, FAX, FAXH).

See detailed instructions included with **Safety Pilot Lighting Kits RPK-1 F/FA, RPK-3 F/FA, RPK1-F/FA10, RPK-3 F/FA, or RMC-F/FA SAFETY PILOT LIGHTING KITS.**

CUSTOMER MAINTENANCE:

THIS BURNER IS FOR USE FOR USE IN A FULLY FUNCTIONING WOOD BURNING FIREPLACE WITH THE DAMPER WIDE OPEN. THE FLUE MUST VENT ALL PRODUCTS OF COMBUSTION.

Periodically examine and clean the venting system. Once a year, a qualified agency should examine and clean the venting system of your solid fuel burning fireplace.

Periodically check the pilot burner (if equipped) and main burner flames. The pilot burner should be free of lint and dirt for best performance. The main burner should produce a relatively even flame from side to side. If not, the sand-granules may have become packed and can be loosened by working a wire or knife blade under the sand or by refilling the pan as described in section four. **Ensure that the burner medium completely covers burner tube and ember booster (if equipped).**

PARTS LIST:

- | | | |
|------------------|--|---|
| - Grate | - 1/2" FIP x Flared Brass Fitting | - White Sand |
| - Burner Pan | - Locking PAL Nut | - Black Volcanic Ash |
| - Orifice Holder | - Rating/ID Plate- | - Logs: Specify Front, Rear or Top and style/size and shape (Top logs). |
| - Orifice Spud | - Damper Stop Clamp | - Log Lifters |
| - Burner Plug | - Factory Installed SPK3 Safety Pilot (models FH/FXH-S3/FAH/FAXH)- | - Instructions |
| - Connector Tube | - Ember Magic | |

LIMITED LIFETIME CONSUMER PRODUCT WARRANTY

The following warranty has been drafted to comply with the MAGNUSON-MOSS WARRANTY ACT applicable to products manufactured after July 4, 1975. It replaces and supersedes any warranty in this package or in any printed literature.

LIMITED WARRANTY:

RASMUSSEN IRON WORKS INC, 12028 E. Philadelphia Street, Whittier California, U.S.A., warrants this Gas Log Set and accessories against defects in materials and workmanship, and suitable for a particular purpose, for a period of:

- (1) LOG CASTING - All logs are guaranteed against burnout in the original installation for the lifetime of the initial purchaser.
- (2) BURNERS/GRATES - 2 years from date of purchase.
- (3) SAFETY CONTROLS - Pilots and safety controls are covered by warranty of the original manufacturer only.

THIS WARRANTY IS FOR THE BENEFIT OF THE ORIGINAL PURCHASER.

WARRANTY ADJUSTMENT:

- (1) RASMUSSEN agrees to repair or furnish a replacement for, but not remove or install any product or component which proves defective within the above warranty and appropriate time periods stated.
- (2) BUYER shall notify RASMUSSEN of any defect within this warranty no later than thirty (30) days after a defect is discovered.
- (3) No product will be accepted for return or replacement without written authorization of RASMUSSEN. Before returning merchandise, write to RASMUSSEN giving full details of the complaint and a copy of sales receipt or other evidence of purchase date. Merchandise returned without proof of purchase date will be serviced out-of warranty at our prevailing service and parts rates. If merchandise was damaged in transit, file claim immediately with the carrier. Products returned must be addressed as follows:

RASMUSSEN IRON WORKS INC
12028 E. PHILADELPHIA STREET
WHITTIER CALIFORNIA 90601

Shipping charges must be pre-paid by the buyer. **REPAIR OR REPLACEMENT UNDER THIS WARRANTY WILL BE SHIPPED FREIGHT COLLECT.**

EXCLUSIONS FROM WARRANTY:

- (1) The foregoing warranty is limited solely as set forth herein and applies only for the periods designated above.
- (2) RASMUSSEN shall not be liable for any loss, damage, incidental or consequential damages of any kind, whether based upon warranty, contract, or negligence, arising in connection with the sale, use, or repair of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- (3) The maximum liability of RASMUSSEN in connection with this limited warranty shall not in any case exceed the contract price paid for the product claimed to be defective or unsuitable.
- (4) This warranty does not extend to any product manufactured by RASMUSSEN which has been subjected to misuse, neglect, accident, improper installation, or use in violation of instructions furnished by RASMUSSEN.
- (5) This warranty does not extend to or apply to any unit which has been repaired or altered at any place other than RASMUSSEN IRON WORKS INC factory, or by persons not expressly approved by RASMUSSEN.
- (6) Components manufactured by any supplier other than RASMUSSEN shall bear only that warranty made by the manufacturer of that product.
- (7) Freight damage, cracking from thermal shock, and color changes occur from causes beyond manufacturer's control and are not covered by any warranty.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

RASMUSSEN IRON WORKS, INC. shall be held harmless from any and all claims by the buyer as a result of injury or damage to an ultimate user or other person caused by the product sold herein by the seller to the buyer, whether the injury or damage results from the assembly, installation, operation, shipment, storage or manufacture of this product. RASMUSSEN IRON WORKS, INC. makes no warranties, expressed or implied, other than those expressly stated herein.

- CUSTOMER RESPONSIBILITY -

Your Gas Log is designed to burn with a natural smoky yellow flame that produces carbon soot. Like a wood fire, burning a Gas Log with the flue blocked or closed will cause fumes and smoke to remain in the room and cause health hazards.

DAMPER MUST BE FULLY OPEN WHEN BURNING A GAS LOG SET. Never burn wood with your gas log set as this will reduce the life of your gas Log Set and will void any warranty.

CONSUMER RECORD CARD



**FOR CUSTOMER RECORDS ONLY
DO NOT SEND THIS CARD TO MANUFACTURER**

LOG MODEL: _____

SAFETY CONTROL: _____

DATE OF PURCHASE: _____

DEALER: _____

INSTALLER: _____

INFORMATION

**THIS GAS LOG SET MUST BE INSTALLED IN A FULLY VENTED
SOLID-FUEL BURNING FIREPLACE WITH A WORKING FLUE
CONSTRUCTED OF NON COMBUSTIBLE MATERIAL.**

The minimum permanent free opening of the fireplace chimney or chimney damper must be at least 39 square inches based on a minimum chimney height of at least 8 feet. The area of the flue must not be less than 1/10 the area of the fireplace opening. **The flue must exhaust all products of combustion.**

The chimney damper must be fixed in a manner to maintain permanent free opening as outlined above at all times. To accomplish this, install the damper clamp (provided) on the edge of the damper blade to prevent its closing, drill a hole or holes in the damper, or remove damper completely.

The minimum size of the fireplace in which the log set is to be installed must be as follows:

**THIS BURNER FOR USE ONLY IN A FULLY FUNCTIONING SOLID FUEL BURNING FIREPLACE
CONSTRUCTED OF NONCOMBUSTIBLE MATERIAL WITH A WORKING FLUE.
WHEN OPERATING, THE DAMPER MUST BE WIDE OPEN. THE FLUE MUST VENT ALL
PRODUCTS OF COMBUSTION. TO PROVIDE AIR FOR SAFE COMBUSTION, COMPONENT
COOLING AND VENTING, GLASS DOORS MUST BE KEPT WIDE OPEN WHEN THE BURNER IS ON
. AFTER USE, ALLOW GAS LOGS TO COOL BEFORE CLOSING GLASS DOORS.**

IMPORTANT INFORMATION (continued)

A fire place screen must be in place when the log set is in operation and, unless other provisions for combustion air are provided, the screen shall have opening(s) for introduction of combustion air.

The minimum inlet gas supply pressure for the purpose of input adjustment shall be 6 inches of water column on natural gas and 11 inches of water column on propane gas.

The maximum inlet gas supply pressure shall be 7 inches of water column on natural gas and 14 inches of water column on propane gas.

The installation and the provision for combustion and ventilation air must conform with the NATIONAL FUEL GAS CODE ANSI Z223.1 latest edition.

The gas log set and its individual shutoff 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 (3.5 kPa). The gas log set must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

The area around the gas log set must be clear and free from combustible materials, gasoline and any other flammable vapors and liquids.

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.

WARNING: A SAFETY PILOT MUST BE INSTALLED ON ALL UNITS DESIGNED OR CONVERTED TO BURN PROPANE/LP GAS

When used with LP Gas, ensure that the Burner Pan is filled with the BLACK VOLCANIC ASH supplied with the Burner.

WARNING: CARBON MONOXIDE POISONING MAY LEAD TO DEATH

When used without fresh air, gas log set may give off carbon monoxide, an odorless, colorless, poisonous gas.

Some people - pregnant women, persons with heart or lung disease, anemia, or under the influence of alcohol and persons at high altitudes are more affected by carbon monoxide than others.

Early signs of carbon monoxide poisoning resemble the flu: Headache, dizziness, and/or nausea. If you have these signs, the gas log may not be installed or working properly, or the chimney flue may be blocked. **GET FRESH AIR AT ONCE!** Have gas log set and chimney flue serviced before using again.

DAMPER MUST BE WIDE OPEN WHILE BURNING

OPEN A WINDOW AN INCH OR TWO FOR FRESH AIR WHEN USING YOUR GAS LOG

SOLID FUELS SHALL NOT BE BURNED IN A FIREPLACE WHERE A DECORATIVE APPLIANCE IS INSTALLED.

WARNING: If not installed, operated and maintained in accordance with these instructions, this product could expose you to substances in fuel or from fuel combustion which are known to the State of California to cause cancer, birth defects or other reproductive harm.

WARNING! CHECK FOR PROPER VENTING

A properly sized, unobstructed chimney will normally vent all fumes and products of combustion. Any odor or smoke detected inside the room is an indication that the flue is not properly removing the combustion products.

SHUT OFF THE BURNER IMMEDIATELY! THE CAUSE OF THE VENTING PROBLEM MUST BE DISCOVERED AND CORRECTED BEFORE CONTINUED USE OF THE GAS LOG SET.

Continued use with improper venting may cause damage to your fireplace, room and furnishings and could cause serious illness. If improper venting is suspected, **IMMEDIATELY HAVE LOG SET AND CHIMNEY FLUE SERVICED.**

Periodically examine and clean the venting system. Once a year, a qualified agency should examine and clean the venting system of your solid fuel burning fireplace.