

INSTALLATION AND OPERATION INSTRUCTIONS



Big flames. Little cost.

FIREGEAR FIRE ISLAND DECORATIVE HEARTH SYSTEM – MATCH THROW, MANUAL & ON / OFF REMOTE

If for any reason, you cannot follow these instructions, **FOR ANY REASON WHATSOEVER**, just return the product to your dealer, and the dealer will refund your money. **“PLEASE”** do not use this product if you cannot follow these instructions.

CONGRATULATIONS, on the purchase of your new FIREGEAR DECORATIVE HEARTH SYSTEM. Your Decorative Hearth System, is designed, and intended, for installation in an existing approved, fully vented, wood-burning fireplace, which includes gas hook-up. Gas Control Valve units may be fueled by, either Natural Gas or Liquid Propane.

Liquid Propane units must be special ordered.

GENERAL INFORMATION

These instructions are intended as a general guide and do not supersede national or local codes in any way. Authorities having jurisdiction should be consulted before installation.

Installation and provision for combustion and ventilation air must conform to the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or *CAN/CGA-B149.1, Natural Gas Installation Code*, or *CAN/CGA-B149.2, Propane Installation Code*.

!!! IMPORTANT !!!

Read these instructions carefully before installing or operating this gas appliance. These instructions should be left with the homeowner for future reference.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

!!! 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 !!!

This appliance must be installed only in a solid-fuel burning fireplace with a working flue and constructed of non-combustible materials. This unit is NOT for use with solid fuel. Solid fuels shall NOT be burned in a fireplace where a decorative appliance is installed.

TABLE OF CONTENTS

GENERAL INFORMATION	1
MODELS	2
SHIPPING AND PACKING LIST	2
SAFETY INFORMATION	2
SPECIFICATIONS	3
INSTALLATION	4
SET-UP & ASSEMBLY	5
REMOTE CONTROLS	7
FINAL SET UP	9
OPERATION	10
LIGHTING INSTRUCTIONS	11
MAINTENANCE	12
PARTS LISTING	13
ACCESSORIES	14
TROUBLE SHOOTING	15
WARRANTY	16

WHAT TO DO IF YOU SMELL GAS:

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

Do not store combustible materials 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 technician, service agency, or the gas supplier.

FIREGEAR FIRE ISLAND DECORATIVE HEARTH SYSTEM MODELS – MATCH THROW, MANUAL & ON / OFF REMOTES

MODEL	DESCRIPTION
BF112-SSMT/N	12" Match Throw - Natural Gas Only
BF118-SSMT/N	18" Match Throw - Natural Gas Only
BF124-SSMT/N	24" Match Throw - Natural Gas Only
BF130-SSMT/N	30" Match Throw - Natural Gas Only
BF112-SS/P	12" Match Throw – Liquid Propane
BF118-SS/P	18" Match Throw – Liquid Propane
BF124-SS/P	24" Match Throw – Liquid Propane
BF130-SS/P	30" Match Throw – Liquid Propane

FOR LIQUID PROPANE INSTALLATIONS, YOU MUST SPECIAL ORDER THE APPLIANCE.

In areas that require the use of valve and safety pilot, use the FIREGEAR SAFETY PILOT ACCESSORY KIT – FG-AF-LMF.

!!! WARNING !!!

ALL MATCH THROW UNITS ARE TO BE USED WITH NATURAL GAS ONLY. DO NOT USE LIQUID PROPANE, OR ANY OTHER PROPELLANT, IN ANY MATCH THROW UNIT.

SHIPPING AND PACKING LIST

Your FIREGEAR FIRE ISLAND DECORATIVE HEARTH SYSTEM comes assembled, ready for the gas connection, with the exception of glass medium.

SHIPPING CARTONS CONTAIN:

Box One: BFI Series Hearth Kit

- 1- Burner Assembly – Match Throw only
- 1- Damper Clamp Assembly
- 1- Gas Line
- 1- Fireplace Stub Fitting
- 1- Manual Pack with Warranty Card

OPTIONAL ACCESSORIES:

(included on some models)

- 1- Bag(s) of Various Colored Glass Medium
- 1- Bag(s) of Colored Sand Surround Medium
- 1- FG-AF-LMF – Valve & Safety Pilot Kit
- 1- Remote Control or Thermo Remote Control

SEE ACCESSORIES AVAILABLE STARTING ON PAGE 14.

SAFETY INFORMATION

- < **WARNING:** Follow all gas leak check procedures in this manual, prior to operation.
- < **WARNING:** Fuels used in gas or oil – fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm. This warning is issued pursuant to California Health & Safety Code Sec. 25249.6.
- < While this appliance is not in use, the gas must be turned off at the gas supply.
- < **DO NOT ATTEMPT TO DISCONNECT THE GAS OR ANY GAS FITTING WHILE THIS APPLIANCE IS IN OPERATION.**
- < **NEVER** leave this decorative gas appliance unattended while in operation.
- < **NEVER** allow children to operate this decorative gas appliance.
- < **NEVER** place hands or fingers on the front edge of this decorative gas appliance.
- < **NEVER** use liquid propane gas in a natural gas unit.
- < **DO NOT** use solid-fuel or lighter fluid in any decorative gas appliance.

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

During manufacturing, fabrication, and shipping, various components of this appliance are treated with certain oils, films, or bonding agents. These chemicals ARE NOT harmful, but may produce annoying smoke and smells, as they are burned off, during the initial operation of the appliance. This may possibly cause headaches, and eye or lung irritation. This is a normal and temporary occurrence. The initial break-in period should last three (3) to four (4) hours. During this period, provide maximum ventilation by opening a window or door, to allow odors to dissipate. Any odor remaining after this initial break-in period, will be slight and will disappear with continued use.

!!! WARNING !!!

DO NOT USE SAND OR ANY OTHER GRANULAR MATERIAL AS A BURNER MEDIUM! USE ONLY THE PROPER GLASS MEDIUM, EITHER PROVIDED, OR AS AN APPROVED ACCESSORY. SAND IS TO BE USED AS A DECORATIVE BURNER SURROUND ONLY!

PROPER CLEARANCES FROM COMBUSTIBLE CONSTRUCTION AND MATERIALS MUST BE MAINTAINED FROM ALL SIDES, TOP, AND BOTTOM OF THIS APPLIANCE.

THIS APPLIANCE SHOULD NEVER BE PLACED NEAR ANY COMBUSTIBLE SURFACE.

THIS APPLIANCE SHOULD NEVER BE PLACED UNDER ANY COMBUSTIBLE CONSTRUCTION OR MATERIALS.

NEVER PLACE ANY COMBUSTIBLE MATERIAL WITHIN TWENTY-FOUR (24") FROM THE FRONT OF THE FIREPLACE ENCLOSURE.

SAFETY INFORMATION continued

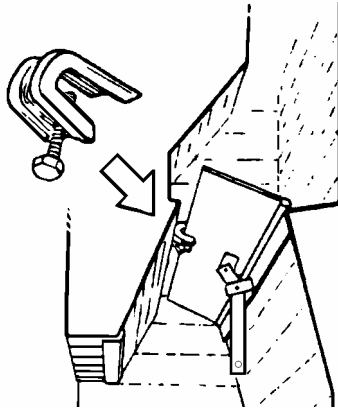


FIGURE 1

!!! WARNING !!!

The damper clamp, must be installed, in a manner, which will maintain the minimum permanent damper vent opening at all times. SEE FIGURE 1. See the Decorative Hearth System Specifications on page 3.

!!! WARNING !!!

The State of Massachusetts requires that the chimney flue damper, when used with decorative gas appliances, be welded open or completely removed. In the Commonwealth of Massachusetts, this appliance must be installed by a licensed plumber or gasfitter.

!!! WARNING !!!

Improper installation, adjustment, alteration, service or maintenance, can cause property damage, personal injury or loss of life. Refer to the owner's information manual, provided with this appliance. Installation and service, must be performed, by a qualified installer, service agency or the gas supplier.

FIREGEAR FIRE ISLAND HEARTH SYSTEM SPECIFICATIONS – MATCH THROW

12" & 18" HEARTH SYSTEMS – MATCH THROW

NATURAL GAS - RATED PRESSURE - 7.0" W.C.

MINIMUM GAS PRESSURE	MAXIMUM GAS PRESSURE	ORIFICE SIZE	BTU/HR INLET
7.0" W.C.	10.5" W.C.	#23	75000

24" & 30" HEARTH SYSTEMS – MATCH THROW

NATURAL GAS - RATED PRESSURE - 7.0" W.C.

MINIMUM GAS PRESSURE	MAXIMUM GAS PRESSURE	ORIFICE SIZE	BTU/HR INLET
7.0" W.C.	10.5" W.C.	#13	90000

FIREGEAR FIRE ISLAND HEARTH SYSTEM SPECIFICATIONS with VALVE & SAFETY PILOT

12" & 18" HEARTH SYSTEMS – VALVE & SAFETY PILOT

NATURAL GAS – RATED PRESSURE – 7.0" W.C.

MINIMUM GAS PRESSURE	MAXIMUM GAS PRESSURE	ORIFICE SIZE	BTU/HR INLET
7.0" W.C.	10.5" W.C.	#23	65000

LIQUID PROPANE – RATED PRESSURE – 11.0" W.C.

MINIMUM GAS PRESSURE	MAXIMUM GAS PRESSURE	ORIFICE SIZE	BTU/HR INLET
11.0" W.C.	13.0" W.C.	#42	60000

24" & 30" HEARTH SYSTEMS – VALVE & SAFETY PILOT

NATURAL GAS – RATED PRESSURE – 7.0" W.C.

MINIMUM GAS PRESSURE	MAXIMUM GAS PRESSURE	ORIFICE SIZE	BTU/HR INLET
7.0" W.C.	10.5" W.C.	#13	75000

LIQUID PROPANE – RATED PRESSURE – 11.0" W.C.

MINIMUM GAS PRESSURE	MAXIMUM GAS PRESSURE	ORIFICE SIZE	BTU/HR INLET
11.0" W.C.	13.0" W.C.	#42	60000

HIGH ALTITUDE DERATE

In the U.S.A., input BTU shall be de-rated 4% (1 orifice size) per 1000 ft. for altitudes above 2000 ft.. In Canada, input BTU shall be de-rated 10% (2 orifice sizes) at altitudes from 2000 ft. to 4500 ft..

MINIMUM FIREPLACE DIMENSIONS MASONRY BUILT FIREPLACES Chimney Height minimum of 6 feet

BURNER SET SIZE	FRONT WIDTH IN INCHES	DEPTH IN INCHES	HEIGHT IN INCHES	MINIMUM VENT IN SQ INCHES
12"	22"	14"	18"	56.6 sq. in.
18"	28"	14"	18"	56.6 sq. in.
24"	34"	14"	18"	71.4 sq. in.
30"	40"	14"	18"	71.4 sq. in.

MINIMUM FIREPLACE DIMENSIONS FACTORY BUILT FIREPLACES Chimney Height minimum of 15 feet

BURNER SET SIZE	FRONT WIDTH IN INCHES	DEPTH IN INCHES	HEIGHT IN INCHES	MINIMUM VENT IN SQ INCHES
12"	30"	14"	18"	32.2 sq. in.
18"	36"	14"	18"	32.2 sq. in.
24"	42"	14"	18"	45.4 sq. in.
30"	48"	14"	18"	45.4 sq. in.

INSTALLATION

Installation will be much easier if two (2) or more people cooperate in locating and installing the unit.

LOCATION

This appliance, must be installed only in a solid-fuel burning fireplace, with a working flue, and constructed of noncombustible materials.

!!! IMPORTANT !!!

Before installing this appliance, have the fireplace and chimney, professionally cleaned, to remove any ashes, soot, creosote, or other obstructions. Perform this cleaning annually, after installation.

!!! IMPORTANT !!!

Seal any fresh air vents or ash clean-out doors located on the floor or wall of the fireplace. If this is not performed, drafting may cause pilot outage or sooting. Use a heat-resistant sealant; **DO NOT** seal the chimney flue damper.

!!! WARNING !!!

Gas supply system must be installed in accordance with the U.S. National Fuel Gas Code.

This appliance and its individual shut off valve must be disconnected from the gas supply piping system during any system pressure test in excess of ½ PSI (3.5 KPA).

Use a system manual shut off valve to shut off the gas supply to this gas appliance before continuing with installation procedures.



FIGURE 2 – FIRE ISLAND BURNER PAN – MATCH THROW – FRONT ANGLE VIEW



FIGURE 3 – FIRE ISLAND BURNER PAN – WITH GAS CONTROL VALVE

WHEN INSTALLING THE APPLIANCE, **DO NOT** OBSTRUCT THE FLOW OF COMBUSTION AND VENTILATION AIR.

FOR LIQUID PROPANE INSTALLATIONS, YOU MUST SPECIAL ORDER THE APPLIANCE!

SET UP AND ASSEMBLY

Your FIREGEAR FIRE ISLAND DECORATIVE HEARTH SYSTEM comes assembled, ready for the gas connection, with the exception of glass medium.

!!! IMPORTANT !!!

BEFORE YOU BEGIN – Audit the gas pressure, at the fireplace stub, to insure proper, minimum gas pressure; see the specifications, beginning on page 3 of this manual.

!!! IMPORTANT !!!

BEFORE YOU BEGIN – Insure that the fire box meets the minimum specifications of the appliance; see the specifications beginning on page 3 of this manual.

!!! IMPORTANT !!!

This appliance, when first installed, may produce unpleasant odors; these will gradually diminish.

!!! IMPORTANT !!!

Decorative Gas Hearth Systems are shipped with the appropriate gas connections. If you have purchased an inappropriate unit for your application, contact your retailer, installer, or the firegear Customer Service Center.

- 1- Remove all contents from the Hearth Kit shipping container. (Box One)
- 2- Check the contents of the shipping container against the shipping and packing list, or the parts list in this manual. Report any missing or damaged parts to your retailer.
- 3- Remove any and all protective wrapping from the appliance.

TOOLS THAT YOU WILL NEED

- 2- Adjustable wrenches; at least one of which has a range of 3/4" (for gas fittings)
- 2- Adjustable Pipe Wrenches
- 1- 3/8" Nut Driver or socket (for damper clamp)
- 1- #2 Phillips Screw Driver (for pilot mounting)

1- TURN OFF THE GAS SUPPLY SYSTEM!

- 2- Place the fireplace damper in the fully open position, and install the damper clamp over the lip of the damper (**The damper must be in a fully open position, any time that this appliance is in operation**). Using a 3/8" nut driver or socket, and turning in a clockwise direction, tighten the damper clamp bolt until the clamp is secure. The damper clamp must be in place to maintain the minimum permanent vent opening. See the chart " MINIMUM FIREPLACE DIMENSIONS " on page 3, for correct venting. (SEE FIGURE 1, page 3)
- 3- Using two adjustable pipe wrenches (one wrench on the gas stub, and one wrench on the fitting), remove the existing cap or gas jet assembly from the gas stub in your fireplace, by turning the wrench on the gas cap, in a counter-clockwise direction.
- 4- Clean the pipe threads, on the gas stub, using either, a wire brush or steel wool. Apply Teflon tape or pipe dope to the steel fittings before making any connection.

NOTE: All gas connections (except for brass to brass) require Teflon tape or pipe dope.

FOR MATCH THROW INSTALLATIONS

- 1- Place the FIRE ISLAND BURNER into the fireplace (unit is packaged as a match-throw, single burner assembly; valve, pilot, and gas train must be assembled). The unit should be centered from both side to side, and front to back. The unit is shipped, ready for side gas connection only. (SEE FIGURE 2, & 3)

- 2- Bend a 3/8" gas line, with two (2) 3/8" brass, female flare fittings (included on some models), to facilitate the gas connection, between the burner, and the gas stub.

BE CAREFUL! Gas lines are easily kinked if bent too sharply.

- 3- Using an adjustable wrench, and turning in a clockwise direction, attach a 1/2" Female Flare X 3/8" Male Flare Brass Reducer Fitting (included on some models), to the gas stub.
- 4- Using two adjustable wrenches, and turning in a clockwise direction, attach one end of the gas line, to the brass reducer fitting that you have just installed on the gas stub. (One wrench on the brass gas line fitting, and one wrench on the brass reducer fitting)
- 5- Using two adjustable wrenches, and turning in a clockwise direction, attach the other end of the gas line to the brass fitting on the burner. (One wrench on the gas line fitting, and one wrench on the brass fitting on the burner)

BE CAREFUL! Make sure all gas connections are snug, but DO NOT over tighten!

- 6- CHECK FOR LEAKS! Apply soapy water to each connection and watch for bubbles. If bubbles are seen, turn off the gas supply; retighten the connections, and CHECK AGAIN! DO NOT use a lighted match or other source of ignition to check for leaks. Repeat this procedure until you are sure that there are no leaks.
- 7- Proceed to "FINAL SET UP" on page 9.

FOR VALVE / PILOT INSTALLATIONS

IT WILL BE EASIER TO ASSEMBLE THE BURNER / GAS TRAIN, OUTSIDE OF THE FIREPLACE, AND THEN PLACE THE ENTIRE ASSEMBLY INTO THE FIREPLACE, FOR FINAL GAS HOOK-UP. FOLLOW THE INSTRUCTIONS THAT ARE INCLUDED WITH THE VALVE / PILOT KIT, AND/OR THE FOLLOWING:

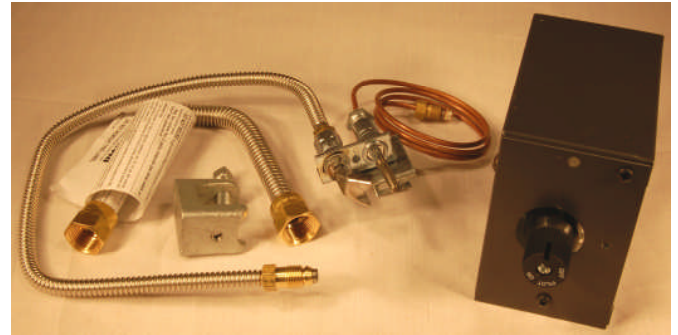


FIGURE 4 – FG-LMF VALVE / PILOT ASSEMBLY PARTS

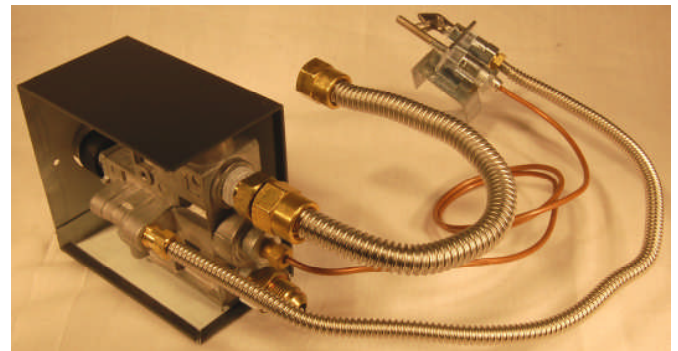


FIGURE 5 – REAR VIEW ASSEMBLY

FOR VALVE – PILOT INSTALLATIONS continued

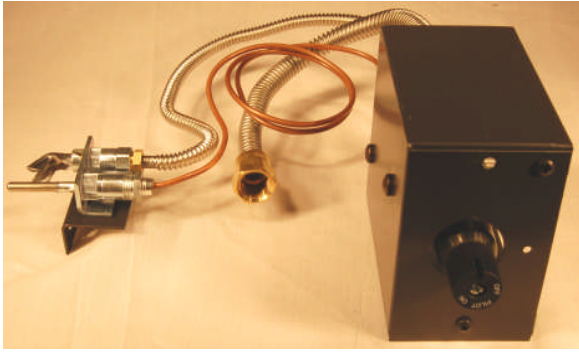


FIGURE 6 – FRONT VIEW ASSEMBLY

- 1- Assemble the Valve / Pilot Kit. (SEE FIGURE 4, 5, & 6)
- 2- Using a #2 Phillips Screw Driver, remove the #2 Phillips 3/8 #10 sheet metal screw from the pilot mounting bracket hole, located on the rim, on the gas feed side of the appliance. (SEE FIGURE 7)
- 3- Using a #2 Phillips Screw Driver, and the screw that you have just removed, mount the pilot to the rim of the burner pan. (SEE FIGURE 8)
- 4- Attach the 3/8" stainless steel flex line from the valve to the burner. (SEE FIGURE 9)
- 5- Go to Step 1, "INSTALLING THE APPLIANCE INTO THE FIREPLACE", on page 6.

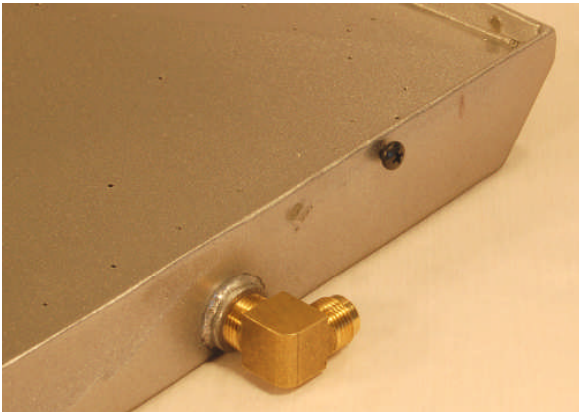


FIGURE 7 – PILOT MOUNTING SCREW LOCATION

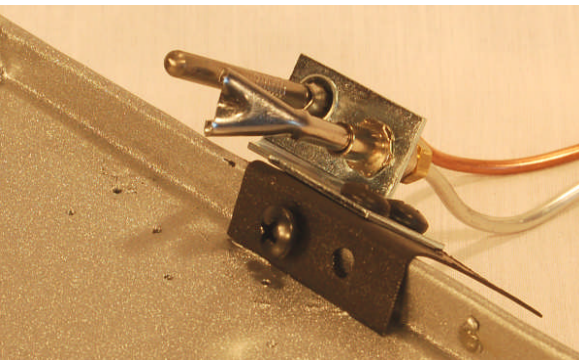


FIGURE 8 – PILOT MOUNTED ON PAN

!!! WARNING !!!

DO NOT USE SAND OR ANY OTHER GRANULAR MATERIAL AS A BURNER MEDIUM! USE ONLY THE PROPER GLASS MEDIUM, EITHER PROVIDED, OR AS AN APPROVED ACCESSORY. SAND IS TO BE USED AS A DECORATIVE BURNER SURROUND ONLY!

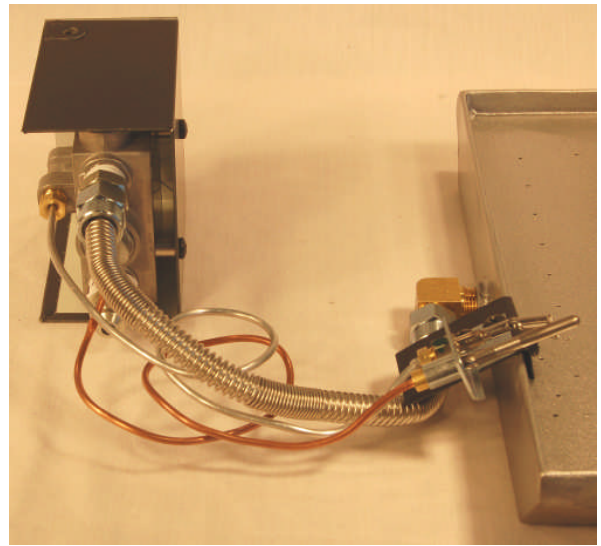


FIGURE 9 – VALVE GAS TRAIN – REAR VIEW

INSTALLING THE APPLIANCE INTO THE FIREPLACE

- 1- Place the FIRE ISLAND BURNER into the fireplace (unit is packaged as a match-throw, single burner assembly; valve, pilot, and gas train must be assembled). The unit should be centered from both side to side, and front to back. (SEE FIGURE 2, 3, 4, & 5)
- 2- Bend a 3/8" gas line, with two (2) 3/8" brass, female flare fittings (included on some models), to facilitate the gas connection, between the valve assembly, and the gas stub.

BE CAREFUL! Gas lines are easily kinked if bent too sharply.

- 3- Using an adjustable wrench, and turning in a clockwise direction, attach a 1/2" Female Flare X 3/8" Male Flare Brass Reducer Fitting (included on some models), to the gas stub.
- 4- Using two adjustable wrenches, and turning in a clockwise direction, attach one end of the gas line, to the brass reducer fitting that you have just installed on the gas stub. (One wrench on the brass gas line fitting, and one wrench on the brass reducer fitting)
- 5- Using two adjustable wrenches, and turning in a clockwise direction, attach the other end of the gas line to the brass fitting on the valve assembly. (One wrench on the gas line fitting, and one wrench on the brass fitting on the valve assembly)

BE CAREFUL! Make sure all gas connections are snug, but DO NOT over tighten!

- 6- **It is our recommendation that, at this point of the installation, lighting the pilot, and test ignition should take place, before attempting any installation of glass medium.**

For Match Throw Units, this is not necessary; once you have completed Step 7 & 8 below, you may proceed to "Final Set Up" on page 9.

FOR UNITS WITH GAS CONTROL VALVES, see "UNITS WITH REMOTE SYSTEMS" section, on page 7 and "LIGHTING INSTRUCTIONS WITH SAFETY PILOT" on page 11.

- 7- **CHECK FOR LEAKS!** Apply soapy water to each connection and watch for bubbles. If bubbles are seen, turn off the gas supply; retighten the connections, and CHECK AGAIN! DO NOT use a lighted match or other source of ignition to check for leaks. Repeat this procedure until you are sure that there are no leaks in the gas connections.
- 8- When you are assured that there are no gas leaks present, you may proceed to the " FINAL SET UP " section, on page 9.

FOR UNITS WITH REMOTE SYSTEMS

All Firegear burner systems are capable of operation with a latching solenoid, remote control system. See the instructions, packaged with the remote system that you have purchased, for detailed installation and operational characteristics. The following instructions are a general guide for installation only.

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

All Firegear Vented Burner Systems use:

- 1- The American Flame, AF-1000 Series Valves (AF-1010 shown here with remote solenoid shown separately in diagram). All systems use a safety pilot, with a thermocouple. (SEE FIGURE 10 & 11)
- 2- One of the following, latching solenoid, battery operated, remote systems:

A- FG-LT2	On/off hand held remote
B- FG-WS-LT	Wall switch – hard wired remote
C- FG-WWS-LT	Wall switch – wireless remote
D- FG-WWT-LT	Wall timer – wireless remote
E- FG-LMF/M	Variable Flame remote

NOTE: The FG-AF1000S Latching Solenoid is necessary for operation with any of the above remote systems.

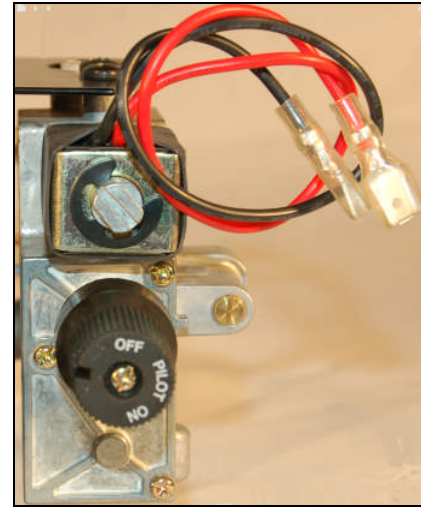


FIGURE 10

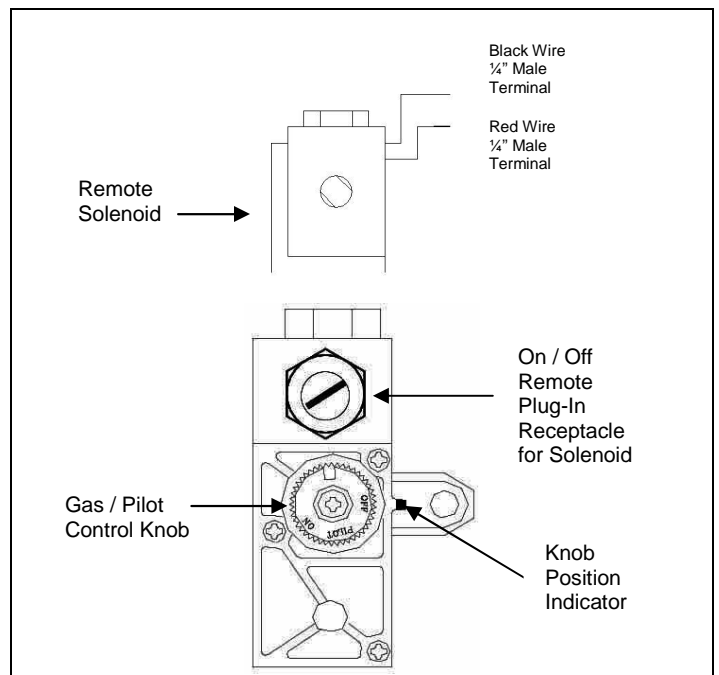


FIGURE 11

CONNECTING THE RECEIVER TO THE VALVE

NOTE: For extended, remote applications, extension wire (not included) will be necessary for your distance run.

- 1- The wire harness should already be installed, in the terminal block, on the rear of the remote receiver.

FOR HAND HELD TRANSMITTER, REMOTE RECEIVERS, SEE FIGURE 13 & 14.

FOR WALL SWITCH TRANSMITTER, REMOTE RECEIVERS, SEE FIGURE 16 & 17.

WIRING SCHEMES ON THE TERMINAL BLOCKS AND OPERATIONAL CHARACTERISTICS VARY BETWEEN THE TWO SYSTEMS.

- 2- Connect the BLACK 18 gauge wire, with the 1/4" female terminal, from the receiver, to the BLACK wire with the 1/4" male terminal, from the valve solenoid.
- 3- Connect the RED 18 gauge wire, with the 1/4" female terminal, from the receiver, to the RED wire with the 1/4" male terminal, from the valve solenoid.
- 4- After receiver wires are connected to the valve solenoid wires, make sure the receiver shield is located over the receiver, and then locate the receiver in an area that will not exceed the 130° F, preferably outside the firebox, on the fireplace hearth.

IMPORTANT NOTE: Operation of these controls is dependent upon which wire is attached to which terminal. If operation does not correspond to operating buttons on the transmitter, reverse the wire installation at the receiver, or at the transmitter. (SEE FIGURE 13, 14, 16, & 17)

NOTE: Up to 6.3 VDC of power is provided at the receiver terminal.

HAND HELD REMOTE RECEIVER

See the instructions, packaged with the remote system for directions on programming the coding switches on both transmitter and receiver.

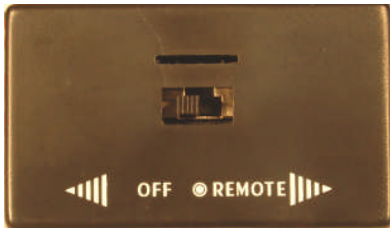


FIGURE 12- HAND HELD REMOTE RECEIVER – FRONT VIEW



FIGURE 13 – HAND HELD REMOTE RECEIVER – REAR VIEW

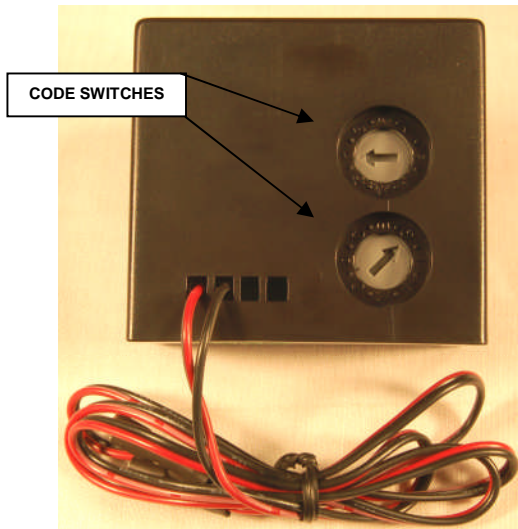


FIGURE 14 – HAND HELD REMOTE RECEIVER – TOP VIEW

IMPORTANT

TERMINAL BLOCK CONNECTIONS, FOR HAND HELD TRANSMITTER, REMOTE RECEIVERS, USE THE OUTSIDE TERMINAL BLOCK RECEPTACLES. (SEE FIGURE 13 & 14)

WALL MOUNT REMOTE RECEIVER

See the instructions, packaged with the remote system for directions on programming, ("Learning") both transmitter and receiver.

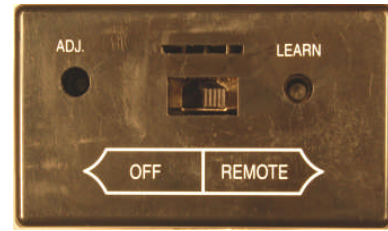


FIGURE 15 – WALL MOUNT & VARIABLE FLAME REMOTE RECEIVER – FRONT VIEW



FIGURE 16 – WALL MOUNT & VARIABLE FLAME REMOTE RECEIVER – REAR VIEW



FIGURE 17 – WALL MOUNT & VARIABLE FLAME REMOTE RECEIVER – TOP VIEW

IMPORTANT

TERMINAL BLOCK CONNECTIONS, FOR WALL MOUNT TRANSMITTER, REMOTE RECEIVERS, USE THE INSIDE TERMINAL BLOCK RECEPTACLES. (SEE FIGURE 16 & 17)

FINAL SET UP

!!! WARNING !!!

Failure to position the parts in accordance with all included pictures, diagrams, and drawings, or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

!!! IMPORTANT !!!

Cover the pilot and valve assembly, at the side of the burner, to protect it, before installing glass medium.

- 1- Pour the proper glass medium over the entire burner, filling the burner pan. The glass medium should follow the slope of the burner pan, covering the burner completely. (SEE FIGURE 18)

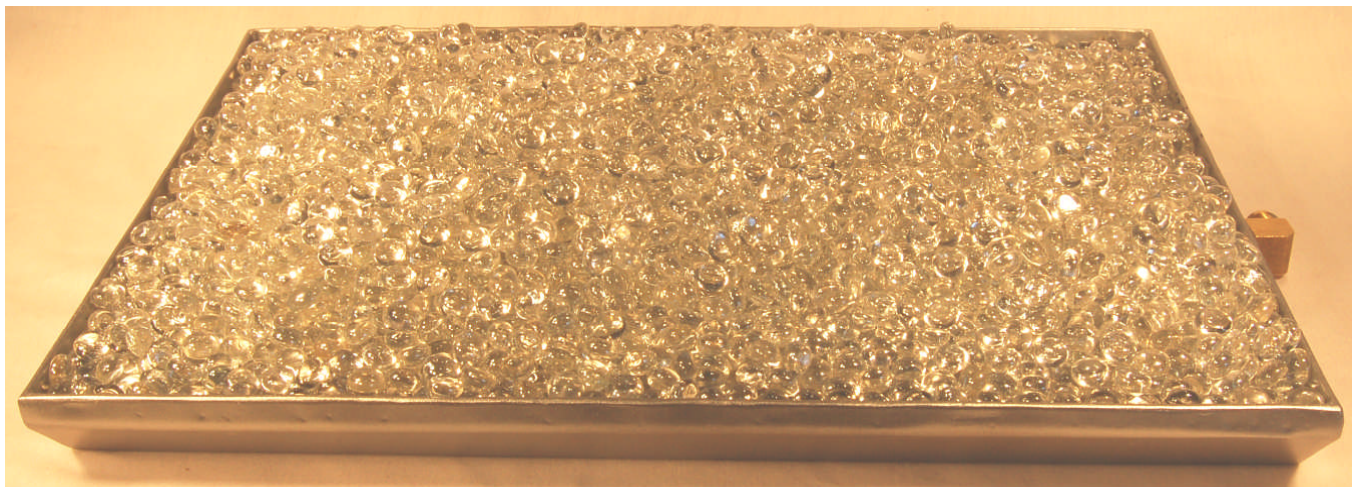


FIGURE 18

- 2- Pour the decorative sand around the burner. DO NOT pour the decorative sand on the burner itself! (SEE FIGURE 19)

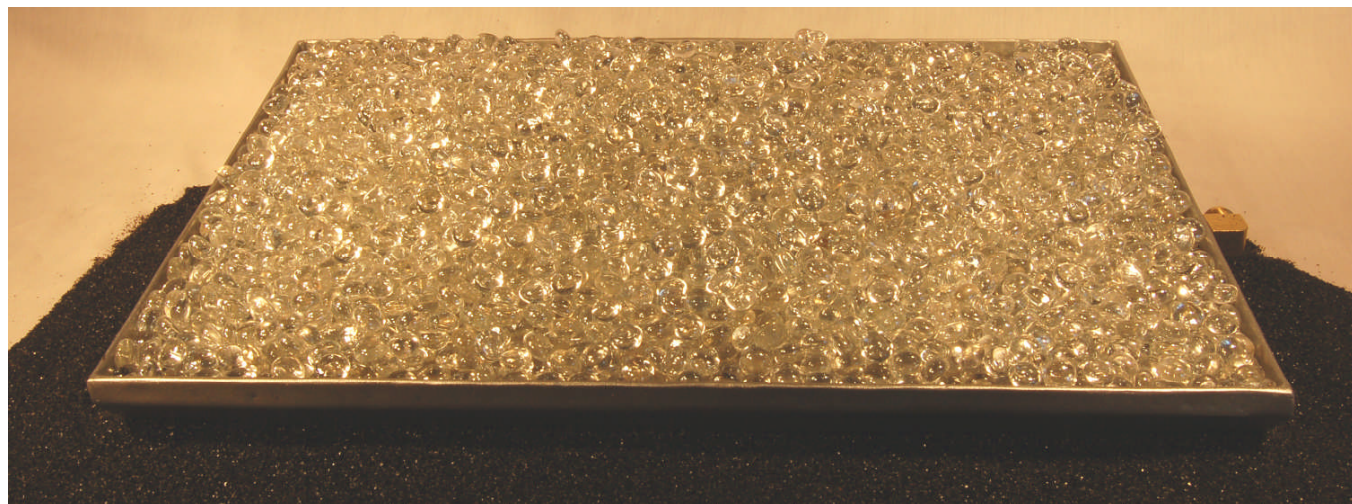


FIGURE 19

WARNING: DO NOT apply extra material not supplied or approved with this appliance.

CAUTION: DO NOT place glass medium, directly in the area of the safety pilot assembly!

WARNING: DO NOT place decorative sand around the valve. The valve will overheat! You must allow air flow around the valve.

OPERATION & LIGHTING INSTRUCTIONS – MATCH THROW UNITS

FOR YOUR SAFETY – READ BEFORE LIGHTING

Natural Gas Match Throw Units, can be lit by long hearth match, hand fire starter, or book match clip extender, inserted near the center of the burner system.

- 1- **STOP!** Read all warnings and safety information in this manual.
- 2- **WARNING:** BE SURE THAT THE CHIMNEY DAMPER IS FULLY OPEN!
- 3- Make sure that the manual shut-off valve, next to the fireplace, is in the OFF position.
- 4- Wait five (5) minutes to clear out any gas. If you smell gas, **STOP!** Follow the safety instructions, “ WHAT TO DO IF YOU SMELL GAS “, on the attached label, or on page one (1) of this manual. If you do not smell gas, continue with step five (5).

- 5- Place a burning, long hearth match, or hand fire starter, on top of the sand, near the center of the burner system.
- 6- Slowly, turn on the gas, at the manual shut-off valve, beside the fireplace, in a counter-clockwise direction. Gas should ignite within approximately five (5) seconds. Adjust burner flame by opening or closing manual gas shut-off valve.

WARNING: If ignition does not take place, **TURN THE GAS OFF**, at the manual shut-off valve, and wait five (5) minutes, before attempting to relight the appliance. If after repeated attempts, the appliance does not ignite, contact your installer, or the **firegear** Service Center.

OPERATION – UNITS WITH GAS CONTROL VALVE

FOR YOUR SAFETY – READ BEFORE LIGHTING



FIGURE 20 – FIRE ISLAND BURNER PAN WITH VALVE – FRONT VIEW

!!! WARNING !!!

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

All units with gas control valves, must be lit by a Safety Pilot. For standard units, pilot is located at the rear, right-hand side of the unit. (SEE FIGURE 20 & 21)

Follow these instructions exactly when lighting the appliance. BEFORE LIGHTING, smell around the appliance area for gas. Be sure to smell next to the floor, as LP gas is heavier than air and will settle to the floor. Use only your hand to rotate the gas control knob. Never use tools. If the knob will not turn by hand, do not try to repair it; call qualified service technician or installer. Force or attempted repair, may result in a fire or explosion.

!!! WARNING !!!

All gas burning appliances produce smoke and carbon monoxide gas during operation. These fumes can be harmful if the appliance is used in any other than a fully vented fireplace.

!!! WARNING !!!

A fireplace screen must be in place when this appliance is in operation. Unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.

!!! WARNING !!!

When this decorative gas appliance is used in a fireplace equipped with a combustion air kit and glass doors, the glass doors should remain open during operation. This will maximize the radiant heat provided to the surrounding area, and minimize overheating of any valve installation. The glass doors may be closed when the appliance is not in use.

**OPERATION – UNITS WITH
GAS CONTROL VALVE continued**

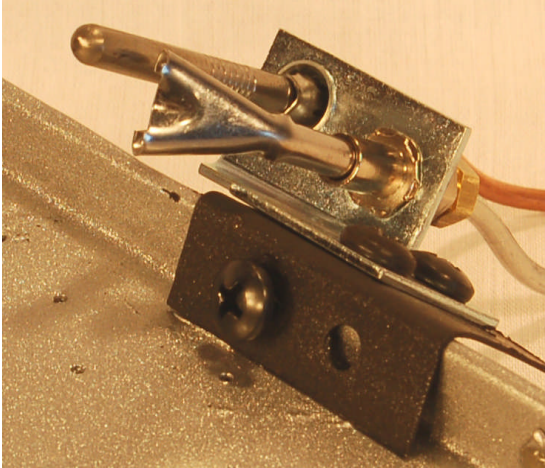


FIGURE 21 – PILOT ASSEMBLY

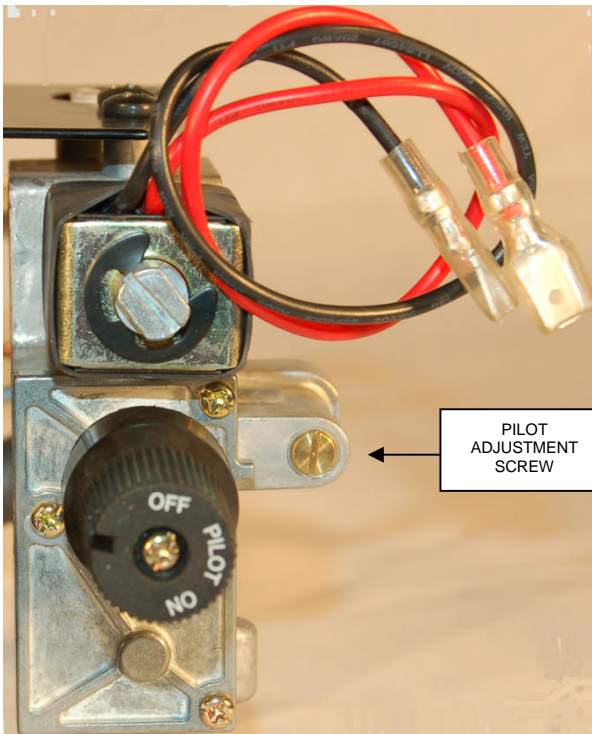


FIGURE 22

**LIGHTING INSTRUCTIONS
UNITS WITH SAFETY PILOT**

- 1- **STOP!** Read all warnings and safety information in this manual.
- 2- **WARNING:** BE SURE THAT THE CHIMNEY DAMPER IS FULLY OPEN!

LIGHTING THE PILOT

- 3- Push in the gas control knob slightly, and turn it in a clockwise direction to the OFF position. **DO NOT FORCE! NEVER USE ANY TOOL, TO ROTATE THE GAS CONTROL KNOB!** If gas control knob will not rotate, contact your installer or the **firegear** Service Center. (SEE FIGURE 22 & 23)

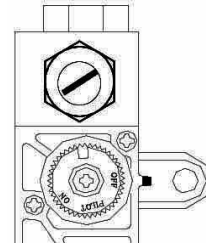


FIGURE 23

- 4- Slowly, turn on the gas, at the manual shut-off valve, beside the fireplace.
- 5- **STOP! WAIT FIVE (5) MINUTES!**
- 6- If you smell gas, **STOP!**
- 7- Turn off the gas at the manual shut-off valve, and recheck all gas connections for leaks. Do not continue until all leaks are corrected. Once you are assured that there are no leaks, proceed with step eight (8).
- 8- Locate the pilot. Pilot is located at the rear, right-hand side of the unit. (SEE FIGURE 20 & 21)

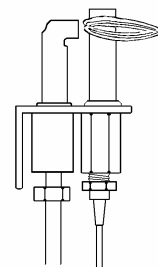


FIGURE 24

- 9- While holding a burning, long hearth match or hand fire starter, near the pilot head, depress the gas control knob all the way down, and turn the knob in a counter-clockwise direction, to the pilot position. Continue to hold the gas control knob down for approximately one (1) minute, after the pilot is lit.
- 10- Pilot should remain lit, and control knob should pop back out when released. If not, repeat the aforementioned steps. If pilot ignition does not take place, contact your installer or the **firegear** Service Center.

LIGHTING INSTRUCTIONS UNITS WITH SAFETY PILOT continued

LIGHTING THE BURNER SYSTEM

- 11- To manually light the burner system, gently press and turn the gas control knob, in a counter-clockwise direction, to the "FULL ON" position. Gas should ignite within approximately five (5) seconds. Adjust burner flame by opening or closing manual gas shut-off valve.

FOR UNITS WITH REMOTE SYSTEMS

See the instructions that are packaged with the remote, and/or instructions on Page 7, of this manual.

WARNING: If ignition does not take place, **TURN THE GAS OFF**, at the manual shut-off valve, and wait five (5) minutes, before attempting to relight the appliance. If after repeated attempts, the appliance does not ignite, contact your installer, or the firegear Service Center.

PILOT FLAME ADJUSTMENT

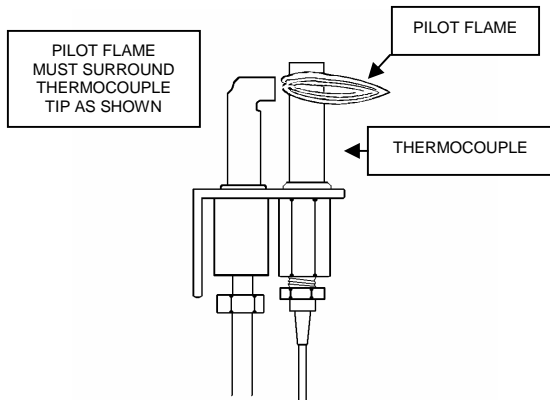


FIGURE 25

The pilot flame should be a soft blue in color, and should surround the last 1/2" of the thermocouple tip. The pilot adjustment screw is located on the valve, just to the right of the control knob. (SEE FIGURE 22)

If the pilot flame must be adjusted, use a standard slotted screwdriver to turn the screw clockwise to reduce the flame, or counter-clockwise to increase the flame. (SEE FIGURE 22 & 25)

MAINTENANCE & SERVICE

Your firegear FIRE ISLAND HEARTH SYSTEM should be thoroughly inspected on a regular basis, at least once a year, by a qualified installer.

At the beginning of each heating season, the system should be checked as follows:

- 1- Check the chimney flue or vent pipe to make sure that the flue is drawing properly, and that any vent pipe connections are tight.
- 2- Check to see that there are no blockages at the chimney or vent termination.
- 3- Check for creosote, or soot build up in chimney or vents, and clean if necessary.
- 4- Pilot and burners should be inspected annually, at the beginning of each heating season.

ADJUSTMENTS

The burner system has been adjusted for proper operation at the factory. No adjustment is necessary, other than altitude de-rate, or pilot flame.

NEVER enlarge valve orifices or burner ports.

FIREGEAR FIRE ISLAND SERIES DECORATIVE HEARTH KIT PARTS LIST

Attention: When ordering Parts, it is important that you have the correct part number and description.

PART NUMBER	DESCRIPTION
FIPN128SS	12" FIRE ISLAND PAN ONLY – STAINLESS STEEL
FIPN1812SS	18" FIRE ISLAND PAN ONLY – STAINLESS STEEL
FIPN2412SS	24" FIRE ISLAND PAN ONLY – STAINLESS STEEL
FIPN3012SS	30" FIRE ISLAND PAN ONLY – STAINLESS STEEL
49-38-38FL/T	ORIFICE MOUNT – BRASS ELBOW – 3/8 MALE X 3/8 MALE FLARE – 1/2 20 INTERNAL TAP
DC-1	DAMPER CLAMP
FG-LT2	OPTIONAL REMOTE CONTROL – ON / OFF
FG-LMF/M	OPTIONAL REMOTE CONTROL – ON / OFF – VARIABLE FLAME
FG-WS-LT	OPTIONAL REMOTE CONTROL – ON / OFF WALL SWITCH
FG-WWS-LT	OPTIONAL REMOTE CONTROL – ON / OFF WIRELESS WALL SWITCH
FG-WWT-LT	OPTIONAL REMOTE CONTROL – ON / OFF – WIRELESS WALL TIMER
10ANW-5858-12	GAS LINE – FIRE ISLAND – 12" STAINLESS STEEL FLEX – 3/8 FLARE - WHISPER
50-12-38FL	STUB FITTING – BRASS ELBOW – 1/2 NPT F X 3/8 M FLARE
IM-FIHS	INSTRUCTION MANUAL – FIRE ISLAND SERIES
FG-SAND/B	OPTIONAL FIRE ISLAND SERIES – BLACK SAND
LG-H210	OPTIONAL FIRE ISLAND SERIES – CLEAR GLASS
OR-F/23	ORIFICE – FLAT FACE TYPE – MANUAL VALVE – NATURAL GAS – 18" SYSTEMS
OR-F/13	ORIFICE – FLAT FACE TYPE – MANUAL VALVE – NATURAL GAS – 24" & 30" SYSTEMS
WC-FG	WARRANTY CARD – FIREGEAR
FG-AF-LMF	AMERICAN FLAME ACCESSORY VALVE KIT – INSTALLER USE – SEE PART LIST
OPTIONAL COLORED GLASS	VARIOUS COLORS AVAILABLE

TO ORDER REPAIR PARTS

Appliance/Heater Model Number _____

Type of Gas: NG _____ LP _____

Part Description _____

Part Number _____

DO NOT order bolts, screws, washers or nuts. They are standard hardware items, and can be purchased at any local hardware store. Shipments are contingent upon strikes, fires, and any circumstance, beyond the control of **firegear**.

firegear LLC

Attention: Customer Service Department

38236 Abruzzi Dr.

Westland, MI 48185

Telephone: 734-595-3550

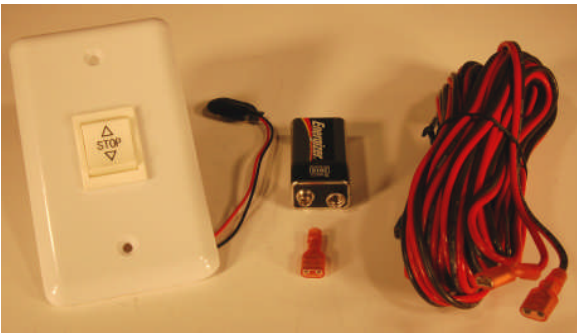
Fax: 734-595-3512

FIREGEAR HEARTH KIT ACCESSORIES



SVE-AF – SAFETY VALVE KNOB EXTENSION

FIREGEAR WALL MOUNT REMOTE SYSTEMS



FG-WS-LT – WIRED WALL SWITCH

FIREGEAR HAND HELD REMOTE SYSTEMS



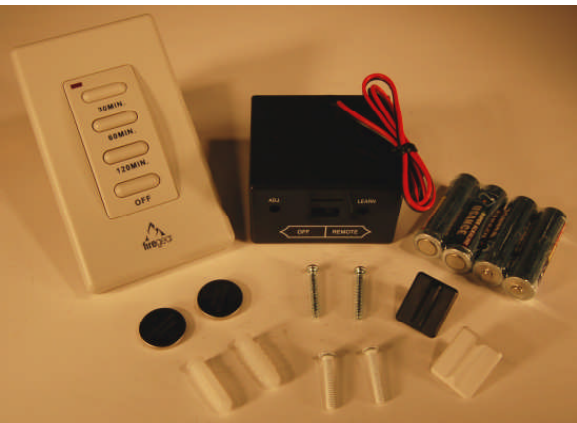
FG-LT2 – HAND HELD ON/OFF REMOTE



FG-WWS-LT – WIRELESS WALL SWITCH



FG-LMF-M – HAND HELD ON/OFF VARIABLE FLAME REMOTE



FG-WWT-LT – WIRELESS WALL TIMER

FIREGEAR FIRE ISLAND SERIES DECORATIVE HEARTH KIT TROUBLE SHOOTING

PROBLEM OBSERVED	POSSIBLE CAUSE	CORRECTIVE MEASURE
Gas odor during set up	Gas leak	See " What to do if you smell gas " page 1 Check all gas connections
Gas odor before first ignition	Gas leak	See " What to do if you smell gas " page 1 Check all gas connections
Pilot will not ignite, or will not stay lit	No gas to pilot Thermocouple not hot Improper pilot flame adjustment Loose connections on thermocouple Faulty pilot or thermocouple Faulty Valve	Make sure gas is on, in pilot position Depress valve knob for at least 1 minute See Pilot Characteristics - adjust flame Check gas connections Replace Safety Pilot Replace Valve
Delayed ignition	Low gas pressure Clogged or dirty burner ports Blocked orifice Faulty Valve	Check gas supply pressure Clean burner ports Check orifice opening Replace Valve
Burner does not light but pilot remains on	Low gas pressure Clogged or dirty burner ports Blocked orifice Faulty pilot or thermocouple Faulty Valve	Check gas supply pressure Clean burner ports Check orifice opening Replace Safety Pilot Replace Valve
Burner lights but does not stay lit while pilot remains on	Low gas pressure Faulty Valve Faulty pilot or thermocouple Clogged or dirty burner ports	Check gas supply pressure Replace Valve Replace Safety Pilot Clean burner ports
Burner & pilot light but will not stay on	Low gas pressure Not enough fresh air for pilot Faulty Valve Faulty pilot or thermocouple Clogged or dirty burner ports Remote control overheating Remote control batteries failing	Check gas supply pressure Open door or window - ventilate Replace Valve Replace Safety Pilot Clean burner ports Move away from flame Replace batteries
Incorrect burner flame	Incorrect gas supply or pressure Blocked orifice Clogged or dirty burner ports Faulty Valve High altitude	Check gas supply pressure Check orifice opening Clean burner ports Replace Valve Adjust orifice size for altitude
Backfire of burner	Blocked orifice Clogged or dirty burner ports Low gas pressure	Check orifice opening Clean burner ports Check gas supply pressure
Appliance produces unwanted odors	Vapors from paint, hair spray, glues, etc Initial burn off of manufacturing chemicals	Ventilate room Ventilate room
Logs appear to smoke	Vapors from manufacturing chemicals Logs curing	Ventilate room See curing of Refractory Logs
Whistle noise from appliance	Air in gas line Control knob not in fully open position Spiral gas flex line	Bleed lines Open control knob to full open Replace gas feed line



LIMITED WARRANTY

firegear hereby warrants to the ORIGINAL PURCHASER of this firegear Decorative Hearth System, that it will be free from defects in material and workmanship from the date of purchase as follows:

Burner Pan Lifetime

All other parts (safety pilots, valves, etc), are warranted by the original manufacturer when assembled and operated in accordance with the accompanying printed instructions.

firegear may require reasonable proof of your date of purchase. YOU SHOULD RETAIN YOUR SALES SLIP OR INVOICE AND RETURN THE WARRANTY REGISTRATION CARD WITHIN 10 DAYS OF PURCHASE.

This Limited Warranty shall be valid and limited to, the original purchaser only, within the confines of the original site installation.

WARNING: Any modification to this appliance or its controls will void the warranty!

This Limited Warranty shall be limited to the repair and/or replacement of parts that prove defective under normal use and service and which on examination shall indicate, to firegear's satisfaction, that they are defective. Before returning any parts, contact firegear Customer Service Center. If firegear confirms the defect and approves the claim, firegear will replace such parts without charge. If you are required to return defective parts, transportation charges must be prepaid. firegear will return parts to the purchaser, freight or postage prepaid.

This Limited Warranty does not cover any failures or operating difficulties due to accident, abuse, misuse, alteration, misapplication, vandalism, improper installation or improper maintenance or service, or failure to perform normal and routine maintenance.

Deterioration, discoloration due to heat, or damage due to severe weather conditions such as hail, hurricanes, earthquakes, tornadoes, discoloration due to exposure to chemicals (including salt), either directly or in the atmosphere, or very high humidity, is not covered by this Limited Warranty.

There are no other express warranties except as set forth herein and any applicable implied warranties of merchantability and fitness are limited in duration to the period of coverage of this express written Limited Warranty. Some states do not allow limitation on how long an implied warranty lasts, so this limitation may not apply to you.

firegear is not liable for any special, indirect or consequential damages. firegear's liability is limited to the purchase price of this firegear Decorative Hearth System. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

firegear does not authorize any person or company to assume for it any other obligation or liability in connection with the sale, installation, use, removal, return, or replacement of its equipment; and no such representations are binding on firegear.

This Warranty applies only to products sold at retail and manufactured by:

firegear, LLC
38236 Abruzzi Dr.
Westland, MI 48185

734-595-3550
734-595-3512 fax

website – www.firegearusa.com

