



*The Symbol of  
Excellence*

# Fireplace Manufacturers Incorporated

## *The Presidential Series*

**GL4000E/EP**

(Smooth Face)

**GL4100E/EP**

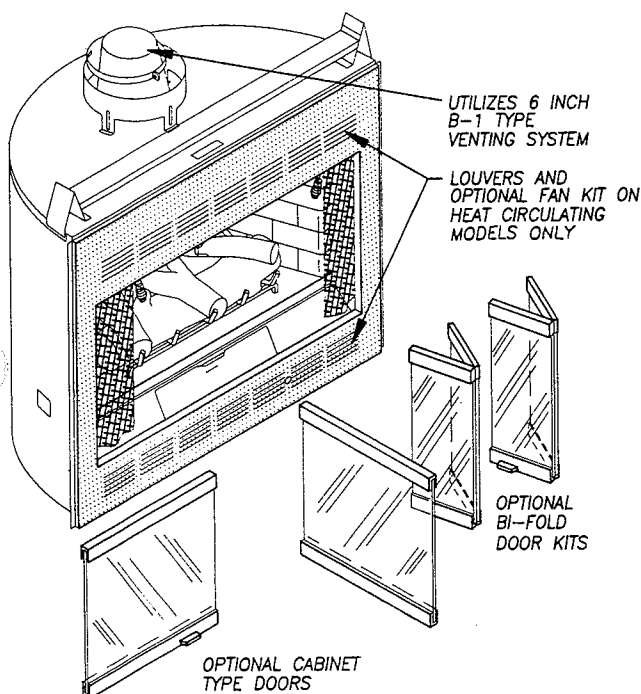
(Louvered)

VENTED TYPE  
DECORATIVE GAS  
APPLIANCE WITH  
ELECTRONIC  
IGNITION SYSTEM

## INSTALLATION INSTRUCTIONS

### SAVE THIS BOOK

This book is valuable. In addition to instructing you on how to install and maintain your appliance, it also contains information that will enable you to obtain replacement parts or optional accessory items when needed. Keep it with your other important papers.



**WARNING :** THE DECORATIVE GAS APPLIANCE SERIES IS INTENDED FOR USE WITH **NATURAL OR PROPANE GAS ONLY** ! (DEPENDING ON THE TYPE OF GAS YOUR PARTICULAR MODEL IS APPROVED FOR.) **DO NOT ATTEMPT TO BURN ANY SOLID FUELS IN THESE APPLIANCES.**

### FOR YOUR SAFETY

- Do not store or use gasoline or any other flammable vapors or liquids in the vicinity of this or any other appliance.
- Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- Do not place clothing or other flammable materials on or near the appliance.
- **NEVER** leave children unattended when a fire is burning in the appliance.

### FOR YOUR SAFETY,

#### 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 cannot reach your gas supplier, call the fire department.

**WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer; service agency or the gas supplier.

**CHECK LOCAL CODES PRIOR TO INSTALLATION**



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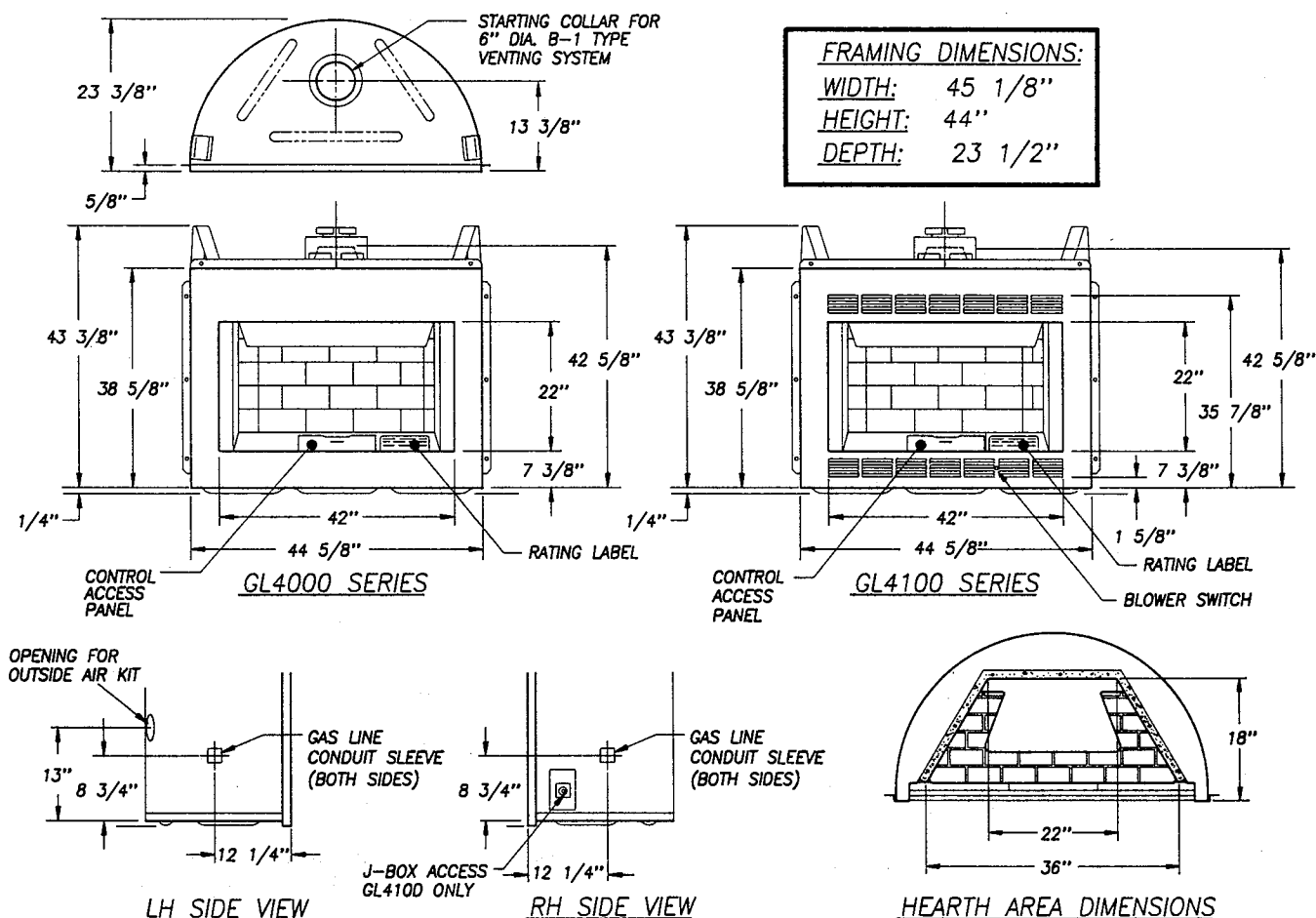


Figure 1

**NOTE: ALL DIMENSIONS IN THIS INSTALLATION MANUAL ARE IN INCHES UNLESS OTHERWISE SPECIFIED.**

## INTRODUCTION

Models GL4000E/4100E series are radiant heat decorative gas appliances that use an **electronic gas control valve**, with an **electronic ignition system** and require the utilization of a 6" B-1 Type Venting System for operation.

**6" B-1 Type Vent NOT supplied by FMI.** Check with your "B" Vent instructions for installation guidelines.

**WARNING:** This gas appliance must not be connected to a chimney flue servicing a solid fuel burning appliance.

Bi-fold Glass Doors or Cabinet Type Doors with matching color Trim Kits are available for this appliance as an option, refer to section on **ACCESSORIES & REPLACEMENT PARTS** near the end of this manual.

- Model GL4000E is Smooth Face / **Natural gas only.**
- Model GL4000EP is Smooth Face / **Propane gas only.**
- Model GL4100E is Heat Circulating / **Natural gas only.**
- Model GL4100EP is Heat Circulating / **Propane gas only.**

If you have any doubts as to which gas your particular unit is approved and tested for, please check the **Warnock Hersey Rating Plate** located at the interior of the appliance's opening (see Figure 1).

### BEFORE YOU BEGIN;

Before beginning the installation of your appliance; read these instructions through completely.

This FMI appliance and its' approved components are safe when installed according to this installation manual and are operated as recommended by FMI. Unless you use FMI approved components tested for this appliance, **YOU MAY CAUSE A FIRE HAZARD !**

The FMI warranty will be voided by, and FMI disclaims any responsibility for the following actions :

- A) Modification of the appliance or any of the components manufactured by FMI unless otherwise permitted by FMI.
- B) Use of any component part not approved by FMI in combination with this FMI appliance.
- C) Installation and/or operation in a manner other than instructed in this manual.
- D) The burning of anything other than the type of gas approved for use in this gas appliance.

This appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the **National Electrical Code, ANSI/NFPA 70-1993** and the **CSA C22.1 Canadian Electrical Code** for Canada.

The installation must conform with local codes or, in the absence of local codes, with the **National Fuel Gas Code ANSI Z223.1-1992** and with the current **CAN1-B149 Installation Code** for Canada.

This appliance complies with **ANSI Z21.50b-1990** and **CAN/CGA-2.22-M89 Standard** as a **Vented Decorative Gas Appliance** and is listed and tested by **Warnock Hersey Testing Agency** to the above test standards.

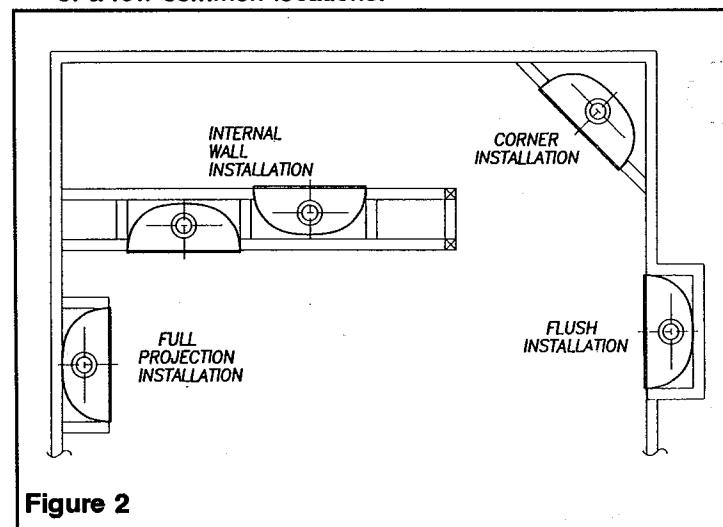
**NOTE:** Installation of this appliance should be done by a qualified service person well trained in the installation of such appliances. You will also need a building permit from your local Building and Safety Commissioner before installing this appliance, otherwise your insurance company may not cover this appliance.

**THIS APPLIANCE IS NOT INTENDED TO BE USED AS A PRIMARY SOURCE OF HEAT.**

## SELECTING LOCATION

To determine the safest and most efficient location for your appliance, you must take into consideration the following guidelines:

1. The location must allow for proper clearances (see section on clearances).
2. Consider a location where heat output would not be affected by drafts, air conditioning ducts, windows or doors.
3. A location that avoids the cutting of joists or roof rafters will make installation easier. **Figure 2** shows a plan view of a few common locations.



A **flush installation** is recommended where living space is limited or at a premium, and since the space required to enclose the appliance would be located beyond an outside wall; this would also reduce the cutting of joists, roof rafters and such. Check local codes for any restrictions.

**Projected installations** can extend any distance into the room. A projection may be ideal for a new addition on an existing, finished wall.

**Corner installations** make use of space that may not normally be used and provides a wider and more efficient range for radiant heat transference.

An **internal wall installation** provides a discreet option for room separation and can also be ideal as an addition to an existing wall.

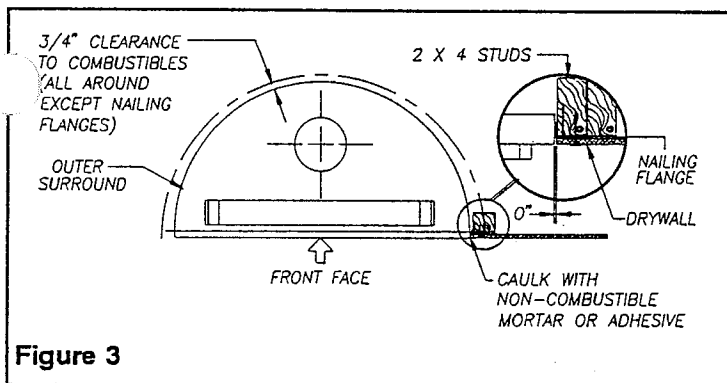
**ALSO, IN SELECTING A LOCATION, THE FOLLOWING PRECAUTIONS MUST BE OBSERVED;**

1. Do not connect this appliance to a chimney system used for a solid fuel burning fireplace.
2. Install in an area providing ventilation and adequate combustion air.
3. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
4. **NEVER** obstruct the front opening of the appliance or the flow of combustion and ventilation air. Keep control compartments accessible.
5. Do not locate in the vicinity where gasoline or other flammable liquids may be stored. The appliance area must be kept clear and free from these combustible materials.

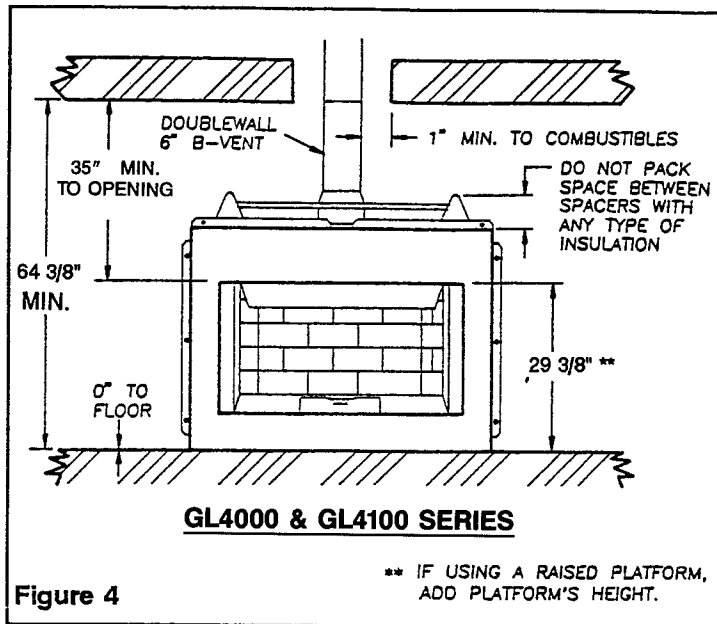
## **CLEARANCES**

### **MINIMUM CLEARANCES TO COMBUSTIBLES ARE:**

- Back and sides of outer surround: ..... 3/4" min.
- Drywall to sides of front face: ..... 0" min.
- "B" Vent surfaces: ..... 1" min.
- Ceiling to opening: ..... 35" min.
- Floor: ..... 0" min.



**Figure 3**



**Figure 4**

**\*\* IF USING A RAISED PLATFORM, ADD PLATFORM'S HEIGHT.**

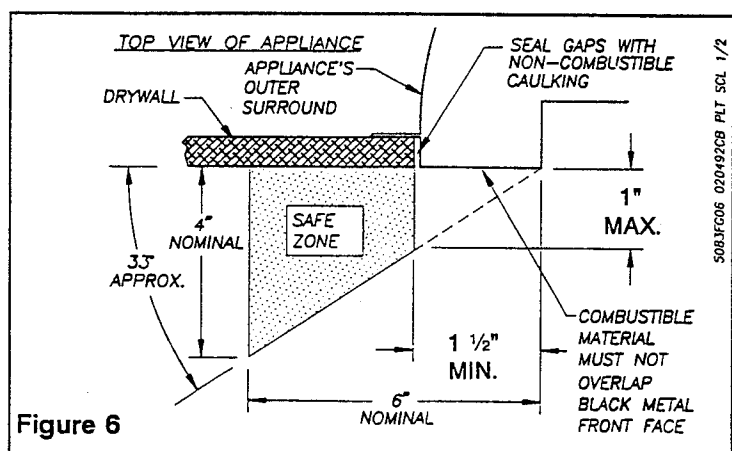
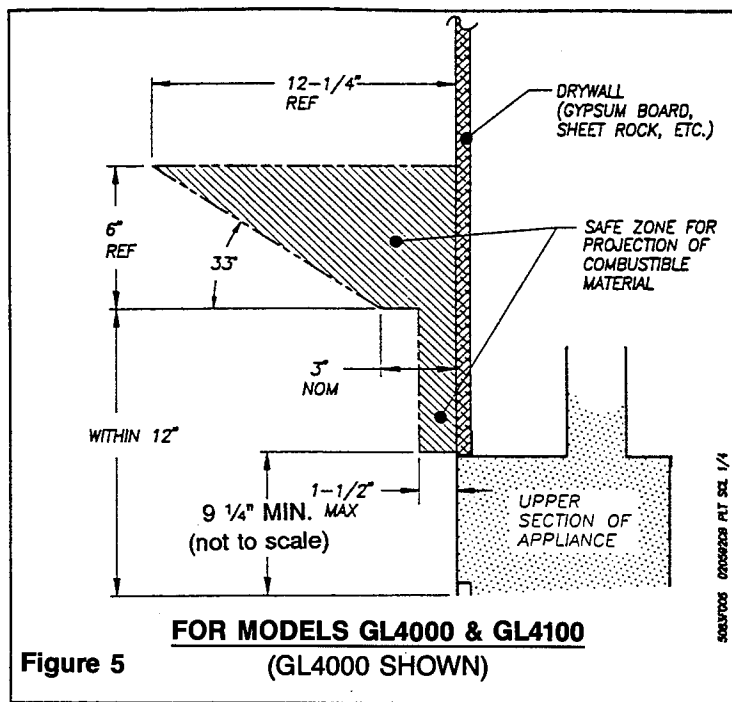
### **MANTLE CLEARANCES:**

Woodwork, such as wood trims, mantles and other combustible material, must not be placed within 6 inches of the appliance's **opening**.

Combustible material projecting more than 1½ inches from the appliance's front face must not be placed less than 12 inches from the **opening** of the appliance.

Figures 5 and 6 show limits on mantle locations.

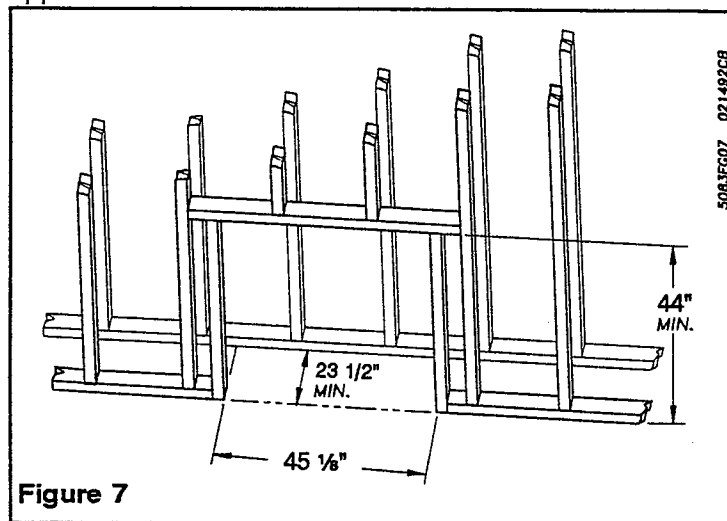
**CAUTION : DO NOT BLOCK REQUIRED AIR SPACES WITH INSULATION OR ANY OTHER MATERIAL. DO NOT OBSTRUCT EFFECTIVE OPENING OF APPLIANCE WITH ANY TYPE OF FACING MATERIAL.**



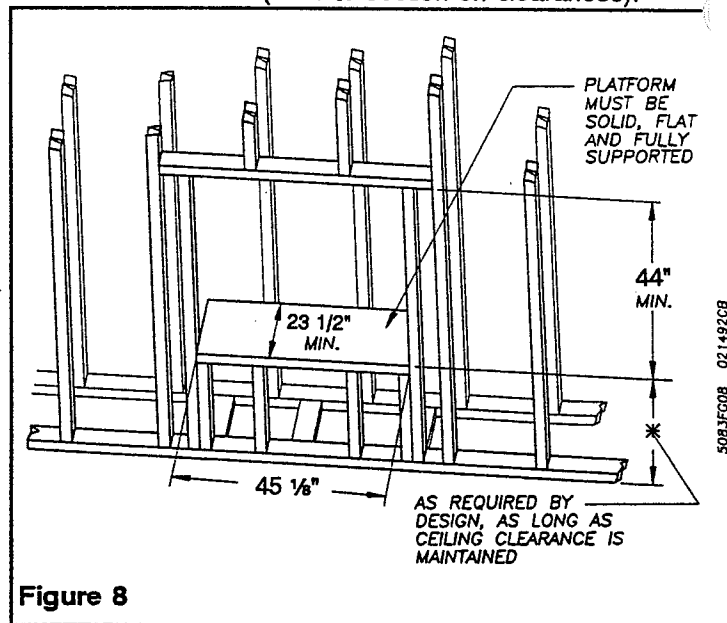
## FRAMING

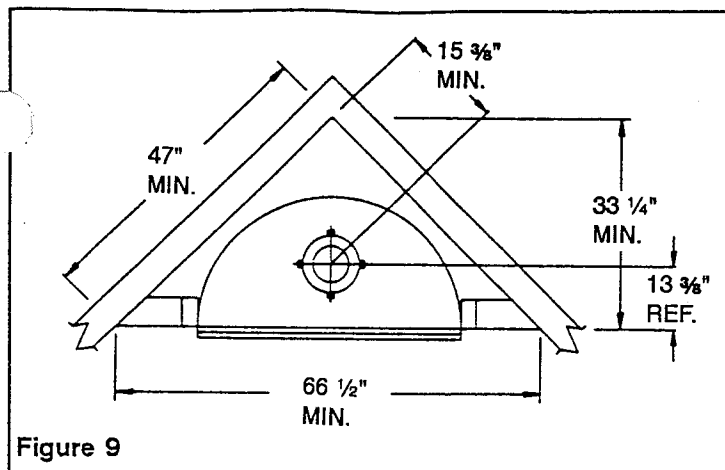
Construct framing using dimensions shown in either figures 7 through 9, depending on your particular installation.

If the appliance is to be installed directly on carpeting, tile (other than ceramic), or any combustible material other than wood flooring; the appliance must be installed upon a metal or wood panel extending the full width and depth of the appliance.

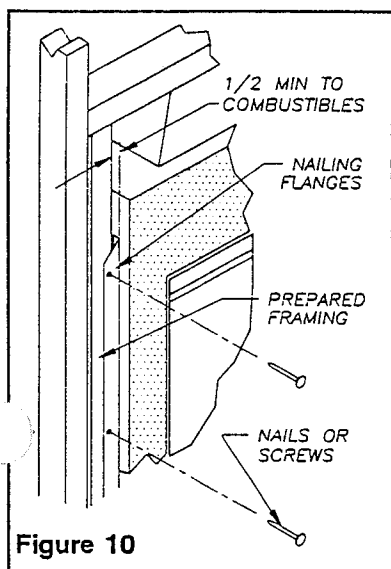


If a raised platform is to be constructed, ceiling clearance must be maintained (refer to section on clearances).





- The B-1 vent pipe must be properly terminated per manufacturer's instructions.
- Vent pipe **MUST NOT** terminate in an attic space.
- Minimum height for complete system is 12 ft. (vent termination to appliance bottom).
- Maximum horizontal run of 6" B-1 Type vent pipe can be no greater than 75 percent of the vertical height of the vent.

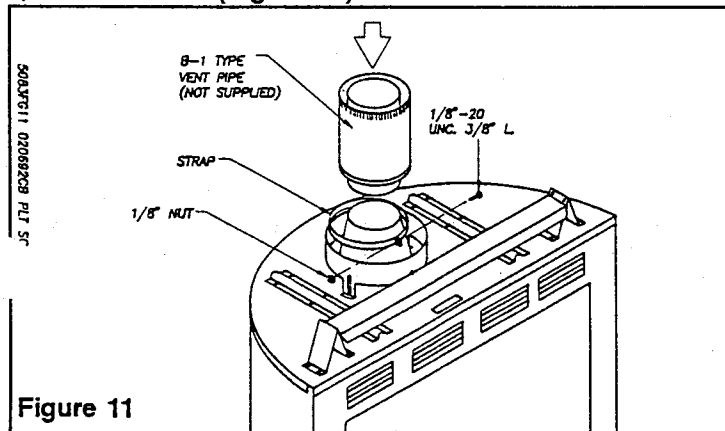


Proceed to secure appliance to prepared framing at nailing flanges located at the sides of the appliance as shown in figure 10.

## VENT PIPE INSTALLATION

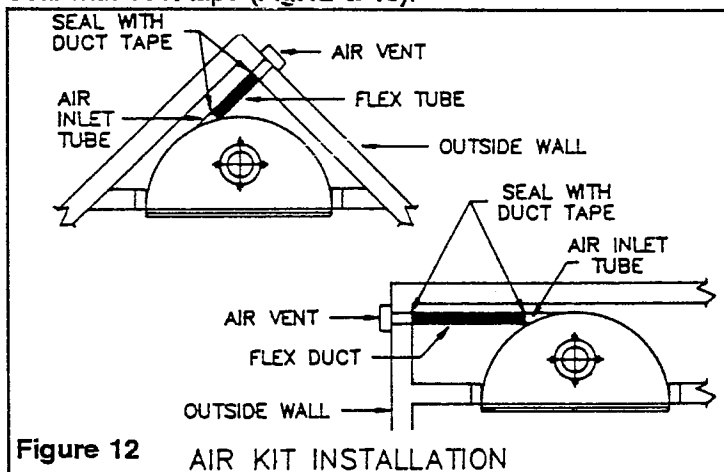
A 6" B-1 Type Gas Vent Pipe is a double wall, unitized venting system (not supplied) which must be installed during the rough framing of the appliance. Any B-1 Type gas vent system may be used for proper venting as long as it is installed per the manufacturer's recommendations.

This appliance has been supplied with a tapered starting pipe for a snug fit. Slide B-1 vent pipe over starter pipe until fully seated. Secure this first section of "B" vent pipe by strapping connector around vent pipe and tightening with any 1/8" nut and bolt (Figure 11).

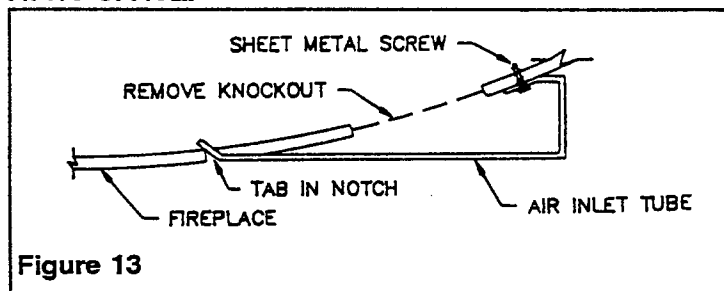


## OUTSIDE COMBUSTION AIR KIT:

The installation of optional outside air kit model AK-4E must be installed during the rough framing of the appliance. Outside combustion air can be accessed through an exterior wall or a vented crawl space. Attach flex tube to air inlet tube. Seal with duct tape (Fig.12 & 13).



**CAUTION : AIR INLET DUCTS MUST NOT TERMINATE IN ATTIC SPACE.**



Avoid installing outside air eyebrow in areas where inlet opening may be blocked by snow, bushes or other obstacles. It should also be located beyond the reach of small children. The maximum height for the air inlet termination cannot exceed 3 feet below the B-Vent termination exhaust height.

For further details on the installation of the outside air kit, please refer to the instructions included with the kit. For operating instructions, please refer to your owner's manual.

## ELECTRICAL HOOK-UP & WALL SWITCH INSTALLATION

The installation of a wall switch in this appliance allows you to activate the gas control valve and the pilot igniter through an electronic control box when the appliance is properly hooked-up to standard 120v household current.

1. Remove the **J-box cover plate** from the appliance's **right side** of outer surround and find the 20ga. electrical wires.
2. Using the 20ga. wires, coming out through strain relief grommet on the right side of the appliance's outer wall, connect to 120vac regular household current through a wall switch (provided) per **Figure 14**.

**NOTE:** This appliance must be properly grounded. A green screw should be located near the appliance's J-Box on the outer surround. For a more detailed wiring diagram please refer to the end of this instruction booklet.

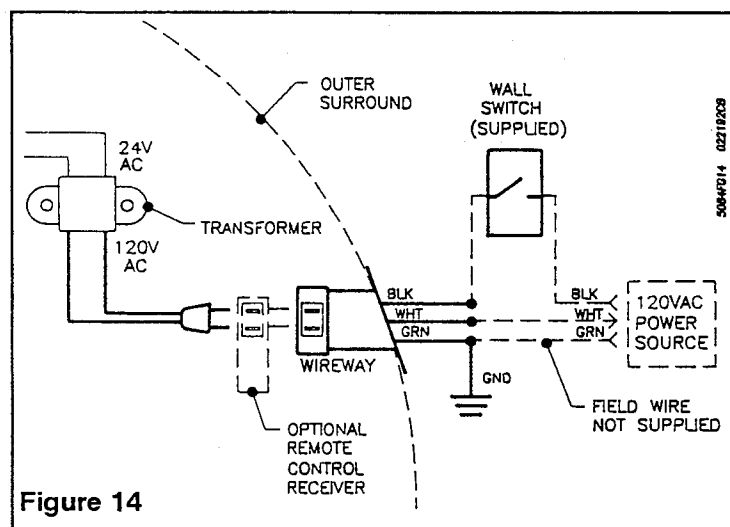


Figure 14

**NOTE :** If any of the original wire as supplied must be replaced, use **20 AWG** electrical wire or equivalent.

3. A wireway with two receptacles is located inside the appliance's control compartment towards the right hand side. Make sure plug from transformer is connected to receptacle in wireway.

An **optional remote controller** may be installed either before or after the installation is complete. Please refer to section on accessory items near the end of this booklet. Further instructions come with the remote control kit itself.

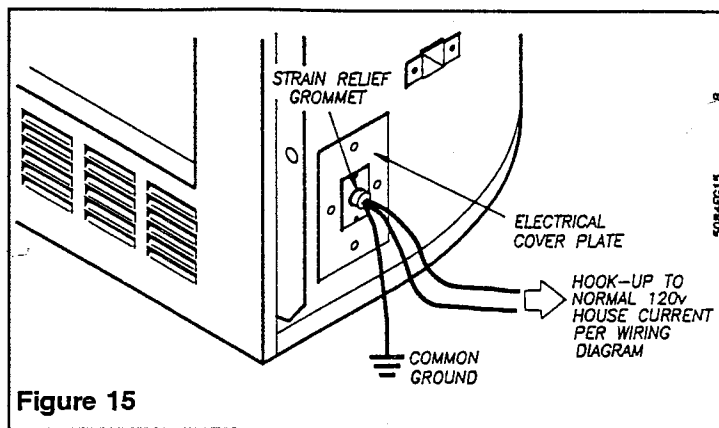


Figure 15

## GAS LINE HOOK-UP

**GAS LINE HOOK-UP SHOULD BE DONE BY YOUR GAS SUPPLIER OR A QUALIFIED SERVICE PERSON.**

**NOTE : BEFORE YOU PROCEED, MAKE SURE YOUR GAS SUPPLY IS OFF!!**

A **manual shut-off valve** must be included **within (6') six feet** of the appliance's gas supply system. It may be convenient to install the gas shut-off valve outside the appliance's enclosure where it can be accessed with a key through a wall as shown in **Figure 16**.

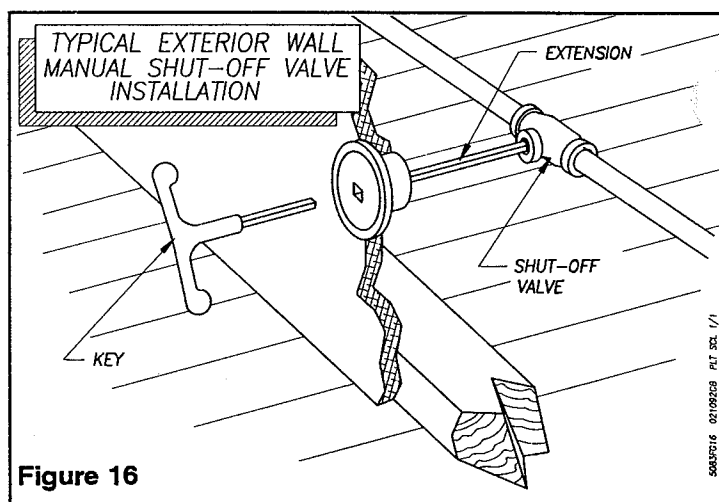


Figure 16

A 36" long 1/2" NPT SCHD 40 flexible gas line (not supplied) may be run from the regulator to the exterior of the appliance from the right or left side gas line conduit sleeve allowing your incoming gas line to come in from either side.

If a flexible gas line is not installed, your incoming 1/2" NPT black iron gas line needs to be routed directly to the regulator from the right hand side of the appliance only (**Figure 17**).

Remove the gas line conduit cover plate from the appliance's outer surround at the location to be used. Remove insulation from inside the gas line conduit sleeve. Run gas line through until regulator can be reached. Replace insulation into gas line conduit sleeve.

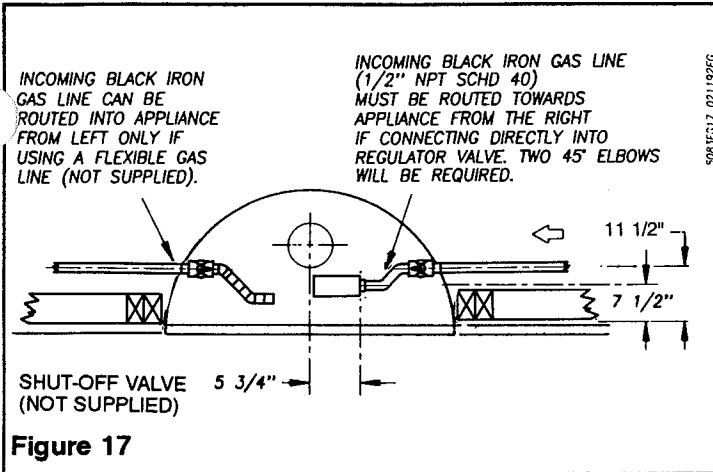
## GAS SUPPLY TESTING

**NOTE :** This section is intended as a guide for qualified technicians installing gas to this appliance.

**DO NOT CONNECT APPLIANCE BEFORE PRESSURE TESTING GAS PIPING. DAMAGE TO GAS VALVE MAY RESULT AND AN UNSAFE CONDITION MAY BE CAUSED.**

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of  $\frac{1}{2}$  psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than  $\frac{1}{2}$  psig (3.5 kPa).



If a sediment trap is not incorporated as a part of the gas utilization equipment, a sediment trap shall be installed as close to the inlet of equipment as practical at the time of equipment installation, as per ANSI Z223.1-1992.

Prepare incoming black iron gas line with **Teflon tape** or **pipe joint compound** (check with local codes as to the use of Teflon tape).

Compounds used on threaded joints of gas piping shall be resistant to the action of Liquefied Petroleum (LP or Propane), and should be applied lightly to ensure excess sealant does not enter the gas line.

Complete your gas installation by connecting incoming gas line to regulator. Secure all joints tightly with wrench but **do not over-tighten**. If a flexible gas line is used, take care not to kink connector.

### GAS RATINGS

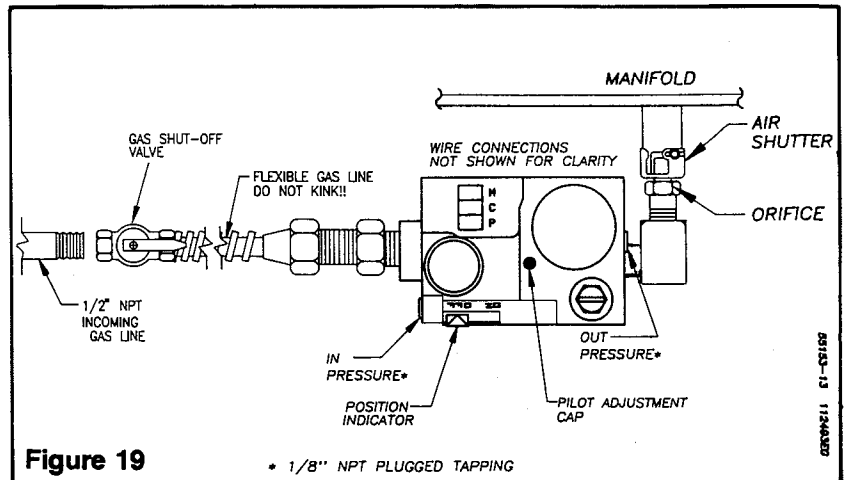
TYPE OF GAS:	<u>NATURAL</u>	<u>L.P. (PROPANE)</u>
MAX. INPUT RATING:	42,000 Btu/hr.	42,000 Btu/hr.
MANIFOLD PRESSURE:	3.5 in.WC (0.87 kPa)	11.0 in.WC (2.74 kPa)
† MIN. SUPPLY PRESSURE:	4.5 in.WC (1.12 kPa)	12.0 in.WC (2.98 kPa)
MAX. SUPPLY PRESSURE:	11.0 in.WC (2.74 kPa)	13.0 in.WC (3.23 kPa)
ORIFICE SIZE:	#30	#49

† For the purpose of input adjustment.

**CAUTION :** All gas piping and connections must be tested for leaks after the installation is completed. After ensuring that the gas valve is on, apply a soap and water solution to all connections and joints. If bubbles appear, leaks can be detected and corrected. **DO NOT USE AN OPEN FLAME FOR LEAK TESTING AND DO NOT OPERATE ANY APPLIANCE IF A LEAK IS DETECTED.**

The **GAS CONTROL VALVE** is secured to the burner pan assembly underneath the burner assembly.

Two  $\frac{1}{8}$ " NPT **plugged tappings** (for IN and OUT pressures) are provided on the **Gas Control Valve** for test gauge connections immediately upstream of the gas supply connection to the appliance (**Figure 19**).





# **ELECTRONIC CONTROL** **OPERATING INSTRUCTIONS**

## **FOR YOUR SAFETY READ BEFORE OPERATING**

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

- A. This appliance is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.
- B. **BEFORE OPERATING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

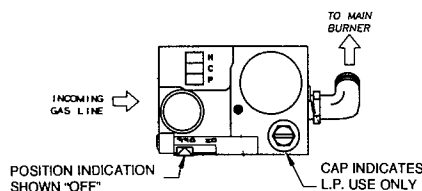
### **WHAT TO DO IF YOU SMELL GAS**

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

- C. Use only your hand to turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

## **OPERATING INSTRUCTIONS**

1. **STOP!** Read the safety information above before proceeding.
2. Turn off all electrical power to appliance.
3. This appliance is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.
4. Remove control access panel.
5. Turn gas control knob clockwise to "OFF".



6. Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!** Follow "B" in the safety information above. If you don't smell gas, go to next step.

7. Turn gas control knob counterclockwise to "ON".
8. Replace cover.
9. Turn on all electric power to the appliance, activate wall switch.
10. After about 10 seconds, a spark will ignite the pilot. Once the pilot is lit, the main burner will ignite. This whole procedure should take about 30 seconds. Should the spark fail to light the pilot after about 1 minute, the system will shut down completely. Should this occur, repeat steps 2 through 9.

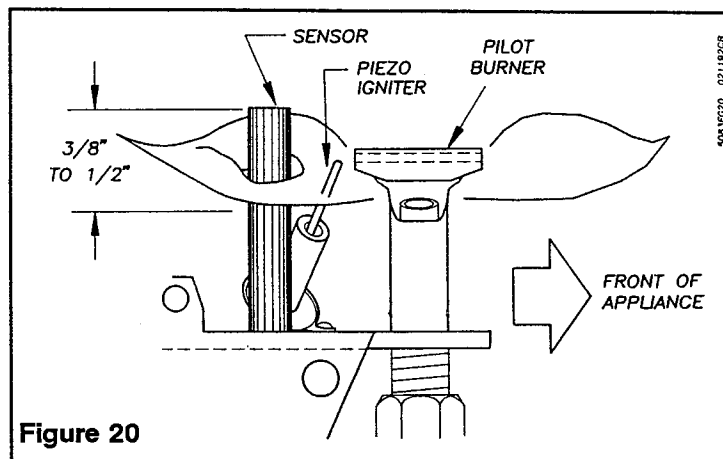
## **TO TURN OFF GAS TO APPLIANCE**

1. Turn off all electric power to the appliance if service is to be performed.
2. Remove control access panel.
3. Turn gas control knob clockwise to "OFF".
4. Replace control access panel.

## **PILOT ASSEMBLY ADJUSTMENT**

The pilot assembly is **factory preset** for the proper flame height. Alterations to these settings may have occurred during shipping and handling, if this is the case, some minor adjustments may be necessary.

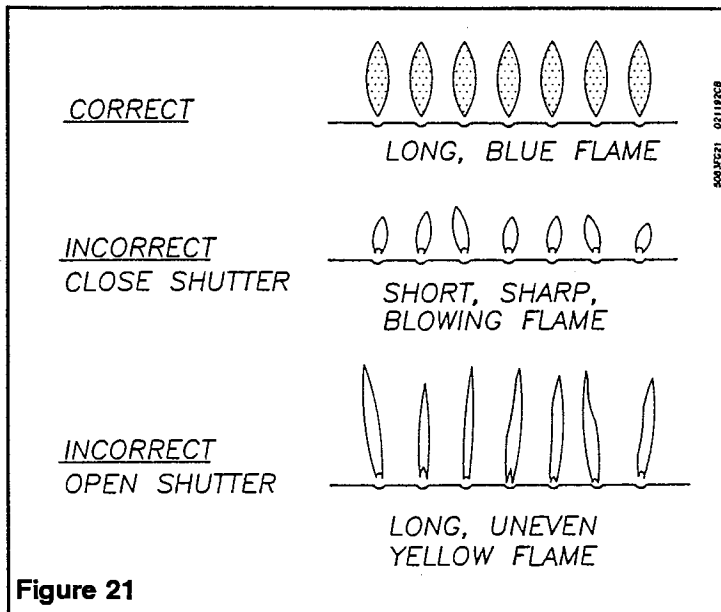
The **pilot assembly** is located **behind** the the refractory hearth at the right hand side. The sensor, or powerpile generator, should be engulfed with the pilot flame approximately  $3/8"$  to  $1/2"$  in order for the regulator to receive proper signal (**Figure 20**).



**Figure 20**

## BURNER FLAME ADJUSTMENT

The air shutter, located at the base of the main burner (Figure 19) has been factory preset to the proper air to gas ratio which results in a long, blue, cleaner burning flame (Figure 21).



## COLORIZATION ROD INSTALLATION

Colorization rods enhance flame color to provide a more eye pleasing orange color rather than the normal blue, which also allows for daytime viewing of flames. Depending on operating conditions, the rod should provide approximately 250 to 500 hours of use.

Place colorization rod as shown in figure 22 and secure to burner with the two screws provided.

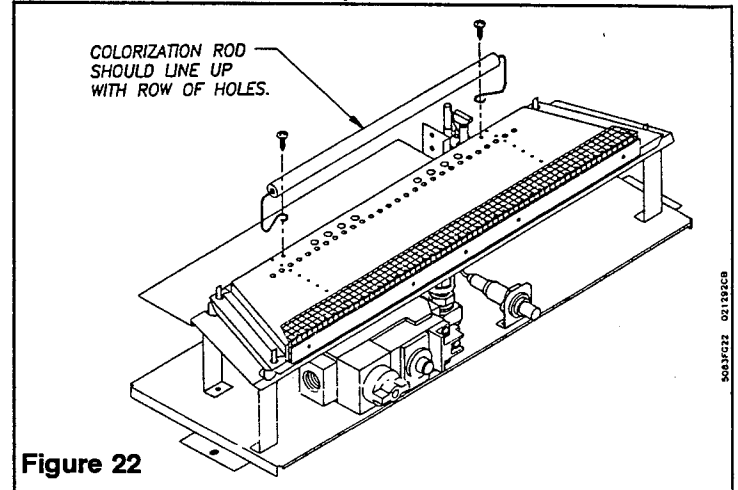


Figure 22

If readjustment is necessary, you can restore proper flame setting by loosening the air shutter screw and rotating the air shutter until proper flame setting is achieved. Tighten screw back (see Figure 19 for air shutter location).

Closing the air shutter reduces the air to gas mix resulting in a longer, yellow flame which produces excessive carbon monoxide (Co) and could also cause sooting.

## LOG SET PLACEMENT

Carefully remove log set from packaging. Place the shorter base log at the rear and the longer base log in front allowing maximum space between rear and front base logs to avoid flame interference. The three remaining top logs have holes underneath, place these logs over the rods sticking out from the burner grate assembly with the shortest log in the middle as shown in Figure 23.

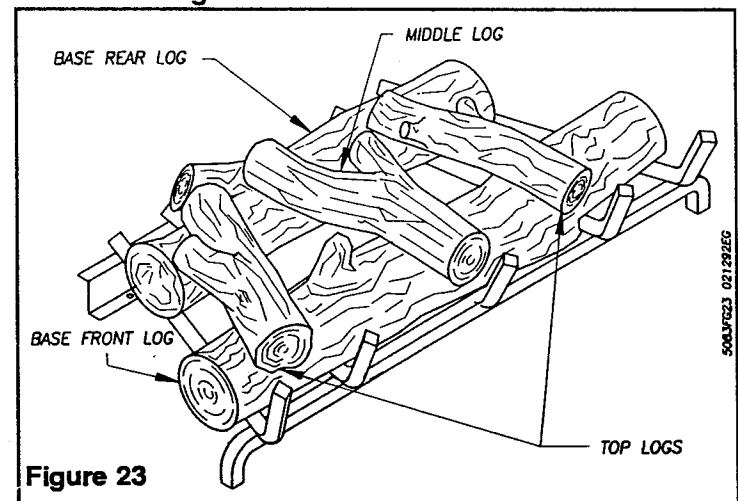


Figure 23

## **OPERATING GUIDELINES & MAINTENANCE INSTRUCTIONS**

When lit for the first time, the appliance will emit a slight odor for about an hour or two. This is a normal occurrence which is due to the "curing" of logs and "burn-in" of internal paints and lubricants used in the manufacturing process.

Keep control compartment, logs, burners, and area surrounding the logs clean by vacuuming or brushing at least twice a year. Temporary removal of the log set may ease the cleaning of the burner and pilot assembly. In cleaning, take care not to alter the settings on the pilot assembly.

**THE LOGS CAN GET  
VERY HOT !!  
HANDLE ONLY WHEN  
COOL.**

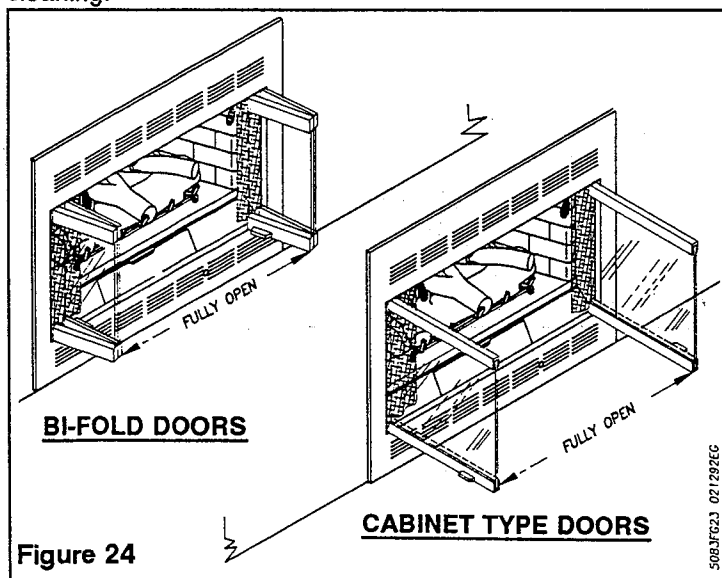
**IMPORTANT:** Turn off gas and remote wall switch before servicing appliance. Any safety screen or guard removed for servicing must be replaced prior to operating the appliance.

Have a qualified agency periodically inspect the vent system at the start of each heating season so as to be free of any obstructions which may hinder its' normal operation. Never obstruct the flow of combustion and ventilation air; keep the front of the appliance clear of all obstacles and combustible materials such as gasoline or other flammable vapors or liquids. It is also imperative that the control compartments, burners and circulating air passageways of the appliance be kept clean.

**WARNING:** Children and adults should be alerted to the hazards of high surface temperatures and to stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the appliance.

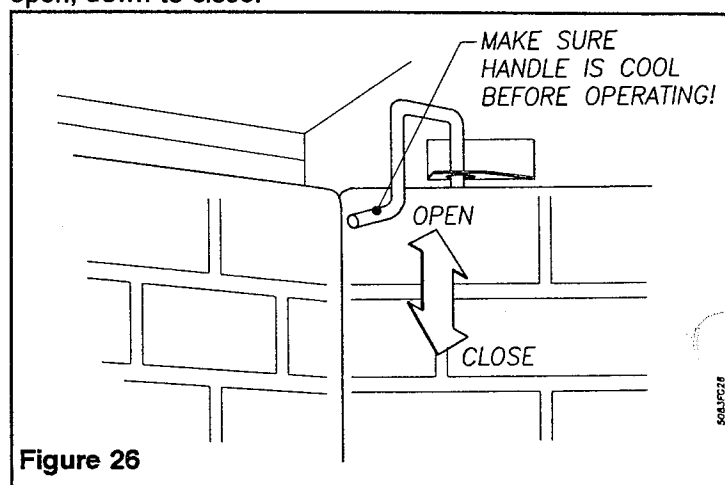
### **GLASS DOORS :**

Glass doors should be operated in the fully open or fully closed position only (**Figure 24**). Only doors certified with this appliance may be used. When operating doors, do not slam shut or abuse them. Always keep area below bottom edge of doors clear from obstacles or debris. Do not operate this appliance if glass doors are broken or damaged. Do not use abrasive liquids or cleaners for cleaning of glass and door trims. Any household glass cleaner should suffice. Do not clean doors when hot, allow the appliance to cool before cleaning.



### **OUTSIDE COMBUSTION AIR KIT OPERATION :**

The handle for the optional outside air kit is located behind the rear refractory near the left hand side and should only be operated if an air kit has been installed. Make sure handle is cool before operating. To operate; pull handle up to open, down to close.



## **REPLACEMENT & ACCESSORY PARTS**

**"B-1 Type" VENT PIPE :** Any B-1 TYPE, 6" dia., GAS VENT PIPE may be purchased from your local hardware store.

**OUTSIDE AIR KIT :** An optional outside air kit is available for installation. This kit **MUST BE INSTALLED DURING THE INITIAL FRAMING** of the appliance due to the fact that the outer surround of the appliance must be accessible from the outside (refer to air kit installation instructions included within the kit).

**GAS CONTROL VALVE :** If in need of replacing, have a qualified technician replace it.

**IGNITION CONTROL MODULE :** If in need of replacing, have a qualified technician replace it.

**FAN KIT :** An optional fan kit is available for GL3100/4100 Heat Circulating series only and may be installed during or after installation is complete.

**PILOT ASSEMBLY :** If in need of replacing, have a qualified technician replace it. Make sure proper pilot orifice is used.

**REMOTE CONTROL KIT :** An optional remote control kit may be installed to operate the appliance and fan kit if installed. Kit may be installed during or after installation is complete.

**COLORIZATION RODS :** This appliance has been equipped with a colorization rod as an added feature, additional rods are available through your local representative.

**LOG SETS :** Ceramic Log Sets come standard with all units.

**GLASS DOOR KITS :** FMI glass door kits come available for this appliance in either **Cabinet Type** or **Bi-fold** and are available in **Polished Brass, Polished Chrome** or **Deluxe** (Black door trim with changeable insert strip). The doors may be installed during or after installation is complete.

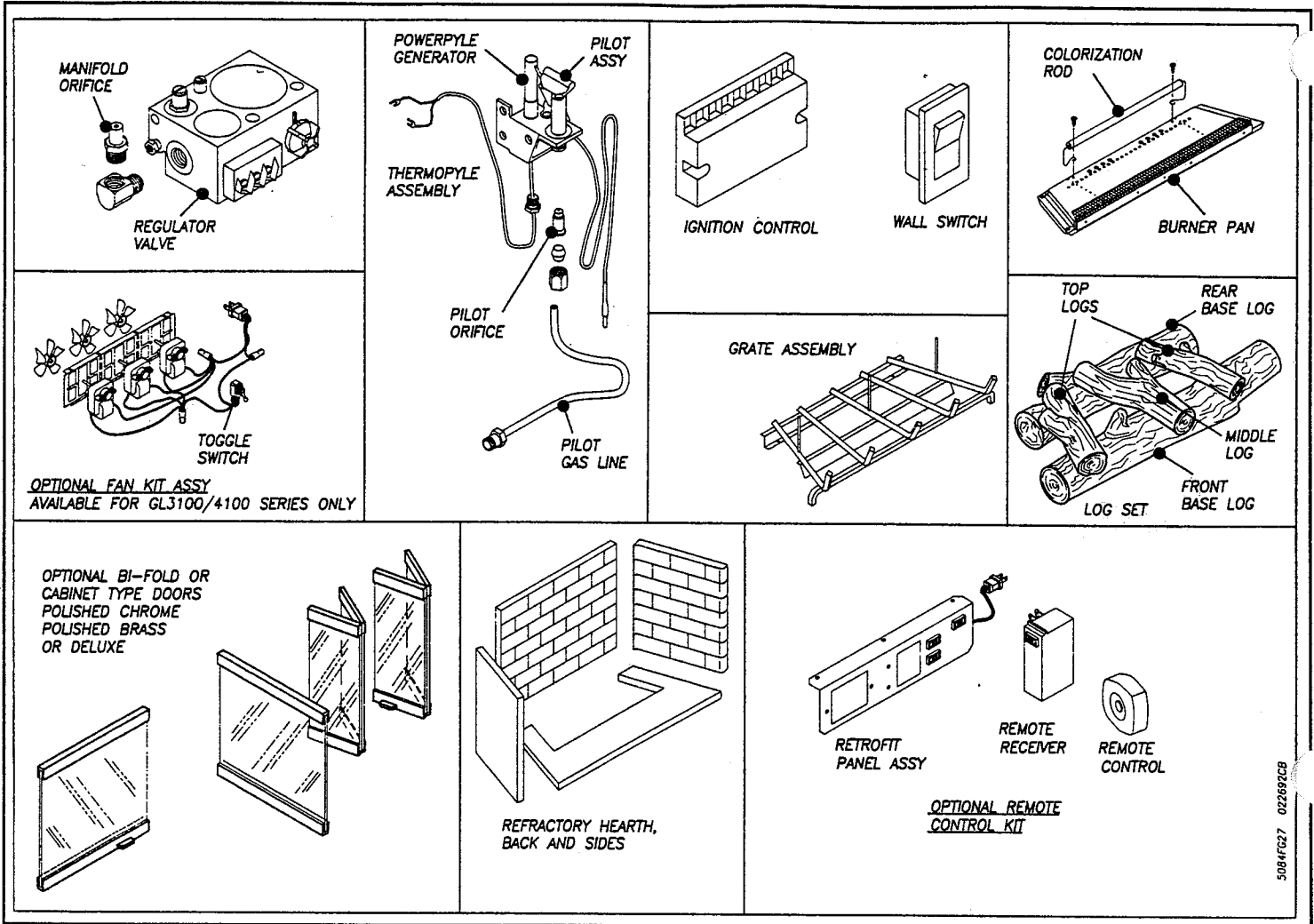
**NOTE:** USE OF ANY OTHER GLASS DOOR ASSEMBLY NOT TESTED WITH THIS APPLIANCE MAY CONSTITUTE A FIRE HAZARD AND WILL VOID THE FMI WARRANTY.

**REFRACTORIES :** Refractory back, sides and hearth come standard with all units.

### **BEFORE ORDERING:**

- \* Please have your appliance's model name or number and the part number of the item(s) you are ordering ready.
- \* The model name or number for your particular appliance may be found on the rating label located inside the appliance (see **Figure 1**).
- \* Refer to the parts list and diagrams when ordering replacement parts for your appliance.
- \* Repair parts or accessory items may be bought from your distributor/dealer or directly from FMI.
- \* All product specifications are subject to change without notice.

## REPLACEMENT & ACCESSORY PARTS



## WIRING DIAGRAM

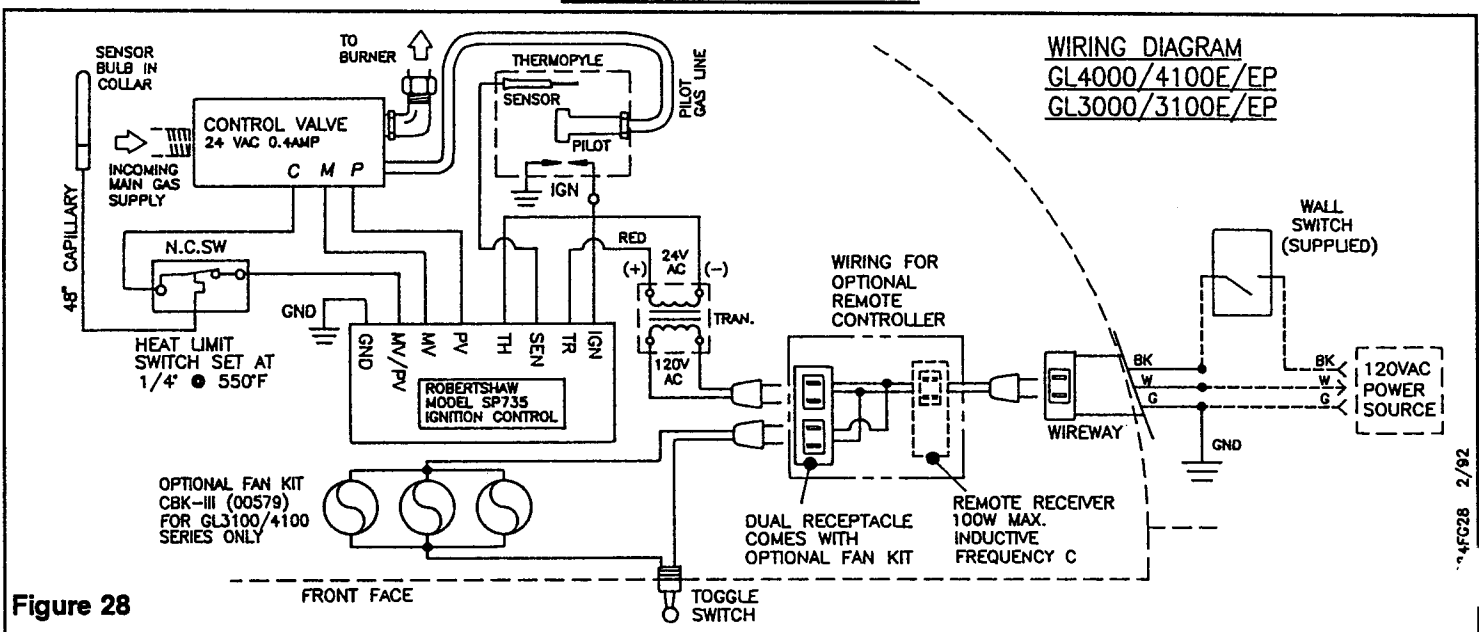


Figure 28

# **TROUBLESHOOTING GUIDE**

## **FOR VENTED DECORATIVE GAS APPLIANCES WITH ELECTRONIC IGNITION**

THE TWO MOST COMMON CAUSES OF A MALFUNCTIONING GAS APPLIANCE ARE:

1. **LOOSE WIRING CONNECTIONS.**
2. **CONSTRUCTION DEBRIS CLOGGING THE PILOT AND/OR GAS CONTROL VALVE FILTER.**

**NOTE :** IN ORDER FOR YOU TO TROUBLESHOOT THE SYSTEM, THE **GAS SHUT-OFF VALVE** NEEDS TO BE **ON**.

PROBLEM		POSSIBLE CAUSE		CORRECTIVE ACTION	
1.	Cannot light pilot.	1a.	No gas supply, or shut-off valve is OFF.	A.	Check to see if you have gas supply.
		1b.	Air in gas line.	B.	Hold regulator control valve in the "PILOT" position for <b>3 to 4 minutes</b> to purge air.
		1c.	Construction debris clogging pilot orifice.	C.	Remove debris and dirt; inspect and clean any other possible obstructions.
		1d.	Low gas pressure.	D.	Contact your gas supplier.
		1e.	Control valve knob is not in the "ON" position.	E.	Refer to section on pilot lighting.
		1f.	Kinked pilot line.	F.	Have a qualified technician replace pilot line.
		1g.	Bad valve.	G.	Replace regulator valve (refer to replacement parts list).
2.	Pilot will not stay lit.	2a.	Loose wiring on thermopyle to regulator valve - no signal or current is being sent back to regulator.	A.	Check wiring connections, refer to wiring diagram shown in this instruction manual.
		2b.	If valve knob is in the "ON" position and wall switch is on - probable defective regulator valve.	B.	Have a qualified technician replace valve.
3.	No gas to burner although wall switch and valve are set to the "ON" position.	3a.	Wall switch wires defective.	A.	Check electrical connections.
		3b.	Powerpyle generator or sensor not generating sufficient voltage.	B.	Re-check problem #2.
4.	Frequent pilot outage.	4a.	Pilot flame may be too low causing safety pilot to "drop out".	A.	Clean and adjust pilot flame for maximum flame impingement on pilot generator (sensor).
5.	Pilot goes out when wall switch is ON.	5a.	Output on thermopyle too high.	A.	Replace thermopyle.

**FIREPLACE MANUFACTURERS, INC.**  
**GAS APPLIANCE**  
**LIMITED 2 YEAR WARRANTY**

**THE WARRANTY**

Fireplace Manufacturers, Inc., (hereafter referred to as FMI), warrants the FMI Gas Appliance to be free from defects in materials and workmanship at the time of manufacture.

**REMEDY AND EXCLUSIONS**

The coverage of this Warranty is limited to all components of the gas appliance manufactured by FMI, with the exception of glass and refractory. The glass is warranted for 90 days. There will be no cost for replacement of glass within 90 days of installation, provided that breakage is due to heat from the appliance. We do not warranty breakage occurring during installation or transportation.

If the decorative gas appliance covered by this Warranty is found to be defective within one year from the date of installation, FMI will, at its option, replace or repair defective components of the decorative gas appliance manufactured by FMI at no charge, or will pay for reasonable costs incurred in replacing or repairing such components. These charges should be pre-approved by FMI before any work is done. During the second year of the Warranty, FMI shall supply replacement parts, if readily available, at the current minimum wholesale price. FMI will not be responsible for any other expense.

**REFRACTORY WARRANTY (IF APPLICABLE)**

**FIRST YEAR** FMI warrants the refractory (except for hairline cracks less than 1/16" in width), one year from the date of manufacture to be free from defect in material and workmanship. If the original owner of an FMI fireplace believes that any of the refractory parts have failed during the above one year period, he/she should notify the nearest (FMI) distributor or dealer. FMI will pay for the refractory replacement and reasonable labor charges. FMI will be responsible for the freight charges.

**SECOND YEAR** FMI will supply refractory replacement parts at the current list price that is in effect at time of replacement. FMI will assume no responsibility for any labor or freight charges incurred.

This Warranty covers only parts and labor as provided above. In no case shall FMI be responsible for materials, components, or construction which are not manufactured or supplied by FMI. FMI will not be responsible for any labor charges to remove such materials, components, or construction. All replacement parts will be shipped F.O.B., Santa Ana, to purchasers' address or the nearest FMI distributor.

**QUALIFICATIONS TO THE WARRANTY**

The decorative gas appliance Warranty outlined above is further subject to the following qualifications:

1. The gas appliance must be installed as per the FMI installation instructions and local building codes. The use of components manufactured by others with this FMI gas appliance, (except for the Type B venting system as outlined in the installation instructions, if applicable), could create serious safety hazards, may result in denial of certification by recognized national safety agencies, and could be in violation of local building codes. This Warranty does not cover any damages occurring from the use of any components not manufactured or supplied by FMI.
2. THE FMI APPLIANCE MUST BE SUBJECTED TO NORMAL USE. THE DECORATIVE GAS APPLIANCES ARE DESIGNED TO BURN EITHER NATURAL OR PROPANE GAS ONLY. BURNING CONVENTIONAL FIREPLACE FUELS SUCH AS WOOD, COAL, OR ANY OTHER SOLID FUEL WILL CAUSE DAMAGE TO THE DECORATIVE GAS APPLIANCE, WILL PRODUCE EXCESSIVE TEMPERATURES, AND WILL RESULT IN A FIRE HAZARD.

**LIMITATION OF LIABILITY**

It is expressly understood that FMI's sole obligation and purchaser's exclusive remedy under this Warranty, expressed or implied, or in contract, tort, or otherwise, shall be limited to replacement or repair as specified above. In no event shall FMI be responsible for any incidental or consequential damages caused by defects in its products, whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by FMI's negligence. 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. The duration of any implied warranty with respect to this FMI decorative gas appliance is limited to the duration of the foregoing Warranty.

**INVESTIGATION OF CLAIMS AGAINST WARRANTY**

FMI reserves the right to investigate any and all claims against this Warranty and to decide upon method of settlement.

**FMI IS NOT RESPONSIBLE FOR WORK DONE WITHOUT WRITTEN CONSENT**

FMI shall in no event be responsible for any warranty work done without first obtaining FMI's written consent.

**HOW TO REGISTER A CLAIM AGAINST WARRANTY**

A (FMI) dealer or distributor should be contacted directly by the owner for any service, including service under these warranties. The repair and replacement of any defective part covered by these warranties is the responsibility of the nearest (FMI) dealer or distributor.

**OTHER RIGHTS**

This Warranty gives you specific rights, and you may also have other rights which vary from State to State.

THESE WARRANTIES ARE GIVEN IN LIEU OF ANY OTHER EXPRESSED WARRANTIES. FIREPLACE MANUFACTURERS, INC. (FMI) DOES NOT AUTHORIZE ANY PERSON OR REPRESENTATIVE TO MAKE REPRESENTATIONS TO THE CONTRARY IN CONNECTION WITH THE SALE OF A DECORATIVE GAS APPLIANCE.

Fireplace Manufacturers Incorporated  
2701 South Harbor Blvd., Santa Ana, Ca. 92704

P/N 55086  
ECN1950