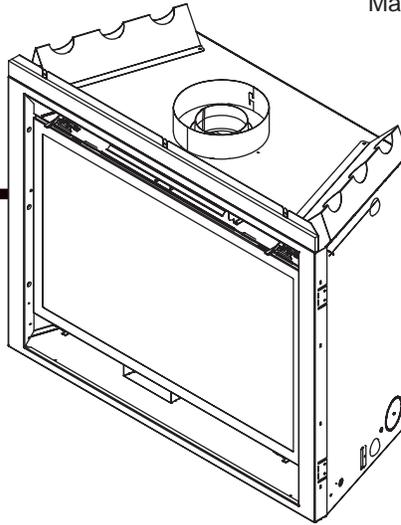


# HEAT & GLO™

No one builds a better fire



## Owner's Manual Installation and Operation

### Models:

8000TV-OAK

8000TV-OAK-IPI

8000TVLP-OAKIPI

GAS-FIRED



### CAUTION



#### DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

DO NOT  
DISCARD

**⚠ WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or death.**

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas**
  - 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.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

This appliance may be installed as an OEM installation in manufactured home (USA only) or mobile home and must be installed in accordance with the manufacturer's instructions and the manufactured home construction and safety standard, *Title 24 CFR, Part 3280 or Standard for Installation in Mobile Homes, CAN/CSA Z240MH*.

*This appliance is only for use with the type(s) of gas indicated on the rating plate.*

### ⚠ WARNING



#### HOT SURFACES!

Glass and other surfaces are hot during operation AND cool down.

#### Hot glass will cause burns.

- Do not touch glass until it is cooled
  - NEVER allow children to touch glass
  - Keep children away
  - CAREFULLY SUPERVISE children in same room as fireplace.
  - Alert children and adults to hazards of high temperatures.
- High temperatures may ignite clothing or other flammable materials.**
- Keep clothing, furniture, draperies and other flammable materials away.

***This appliance has been supplied with an integral barrier to prevent direct contact with the fixed glass panel. DO NOT operate the appliance with the barrier removed.***

Contact your dealer or Hearth & Home Technologies if the barrier is not present or help is needed to properly install one.

In the Commonwealth of Massachusetts:

- installation must be performed by a licensed plumber or gas fitter;
- a CO detector shall be installed in the room where the appliance is installed.



Installation and service of this appliance should be performed by qualified personnel. Hearth & Home Technologies suggests NFI certified or factory trained professionals, or technicians supervised by an NFI certified professional.

Read this manual before installing or operating this appliance.  
Please retain this owner's manual for future reference.

## Congratulations

Congratulations on selecting a Heat & Glo gas appliance—an elegant and clean alternative to wood burning appliances. The Heat & Glo gas appliance you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a new appliance, you'll want to read and carefully follow all of the instructions contained in this *Owner's Manual*. Pay special attention to all Cautions and Warnings.

This *Owner's Manual* should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

The information contained in this *Owner's Manual*, unless noted otherwise, applies to all models and gas control systems.

Your new Heat & Glo gas appliance will give you years of durable use and trouble-free enjoyment. Welcome to the Heat & Glo family of appliance products!

<b>Homeowner Reference Information</b>	<i>We recommend that you record the following pertinent information about your appliance.</i>
Model Name: _____	Date purchased/installed: _____
Serial Number: _____	Location on appliance: _____
Dealership purchased from: _____	Dealer Phone: _____
Notes: _____	
_____	

### Listing Label Information/Location

The model information regarding your specific appliance can be found on the rating plate usually located in the control area of the appliance.

Type of Gas →

Gas and Electric Information →

This product may be covered by one or more of the following patents: (Nos produits sont couverts par un ou plusieurs des brevets suivants): (United States) 4593510, 4698807, 4766876, 4793322, 4811534, 5000162, 5016609, 5076254, 5113843, 5191877, 5218953, 5263471, 5328356, 5341794, 5347983, 5429495, 5452708, 5542407, 5601073, 5613487, 5647340, 5689568, 5762062, 5775408, 5890485, 5931661, 5941237, 5947112, 5996575, 6006743, 6019099, 6048195, 6053165, 6145502, 6170481, 6237598, 6296474, 6374822, 6411307, 6439226, 6484712, 6543698, 6559687, 6601573, 6672860, 6688302B2, 6715724B2, 6729551, 6736133, 6748940, 6748942, 6748942, D320652, D445174, D462436; (Canada) 1297749, 2195264, 2225408; or other U.S. and foreign patents pending (ou autres brevets américains et étrangers en attente).

**HEAT & GLO** Heat & Glo, a brand of Hearth & Home Technologies, Inc.  
20802 Kensington Boulevard, Lakeville, MN 55044

**GAS-FIRED**  
  
**LISTED**

**Not for use with solid fuel.**  
*(Ne doit pas être utilisé avec un combustible solide).*

Type of Gas (Sorte De Gaz): **NATURAL GAS** This appliance must be installed in accordance with local codes, if any; if not, follow ANSI Z223.1 in the USA or CAN/CGA B149 Installation codes. (Installer l'appareil selon les codes ou règlements locaux ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149.)

**ANSI Z21XX-XXXX · CSA 2.XX-MXX · UL307B**

**Minimum Permissible Gas Supply for Purposes of Input Adjustment.**

Approved Minimum (De Gaz) Acceptable 0.0 in w.c. (Po. Col. d'eau)

Maximum Pressure (Pression) 0.0 in w.c. (Po. Col. d'eau)

Maximum Manifold Pressure (Pression) 0.0 in w.c. (Po. Col. d'eau)

Minimum Manifold Pressure (Pression) 0.0 in w.c. (Po. Col. d'eau)

Total Electrical Requirements: 000Vac, 00Hz., less than 00 Amperes

**MADE IN USA**

ALTITUDE: 0-0000 FT. 0000-0000FT. **Model: XXXXXXXX**

MAX. INPUT BTUH: 00,000 00,000 **(Modele):**

MIN. INPUT BTUH: 00,000 00,000

ORIFICE SIZE: #XXXXX #XXXXX **Serial: XXXXXXXX**

IN CANADA

Model Number →

Serial Number →

# Table of Contents

## 1 Listing and Code Approvals

A. Appliance Certification . . . . .	4
B. Glass Specifications . . . . .	4
C. BTU Specifications . . . . .	4
D. High Altitude Installations . . . . .	4
E. Non-Combustible Materials Specification . . . . .	5
F. Combustible Materials Specification . . . . .	5
G. Electrical Codes . . . . .	5

## 2 Getting Started

A. Design and Installation Considerations . . . . .	6
B. Negative Pressure . . . . .	7
C. Tools and Supplies Needed . . . . .	8
D. Inspect Appliance and Components . . . . .	8

## 3 Framing and Clearances

A. Selecting Appliance Location . . . . .	9
B. Constructing the Appliance Chase . . . . .	10
C. Clearances . . . . .	10
D. Mantel Projections . . . . .	11

## 4 Termination Locations

A. Vent Termination Minimum Clearances . . . . .	12
--	----

## 5 Vent Information and Diagrams

A. Vent Guidelines . . . . .	13
B. Vent System Configuration . . . . .	13

## 6 Vent Clearances and Framing

A. Pipe Clearances to Combustibles . . . . .	15
B. Vertical Penetration Framing . . . . .	15

## 7 Appliance Preparation

A. Installing Outside Air Kit Damper Assembly . . . . .	16
B. Gas and Electrical Connections . . . . .	16
C. Securing and Leveling Appliance . . . . .	16
D. Completing Grate Set-up . . . . .	17
E. Checking Pilot Plate . . . . .	17

## 8 Installing Vent Pipe

A. Assembly of Vent Sections . . . . .	18
B. Attaching Vent to Firebox . . . . .	18
C. Securing Vent Sections . . . . .	18

## 9 Gas Information

A. Fuel Conversions . . . . .	19
B. Gas Pressures . . . . .	19
C. Gas Connection . . . . .	19

## 10 Electrical Information

A. Recommendation for Wire . . . . .	21
B. Connecting to the Appliance . . . . .	21
C. Intellifire Ignition System Wiring . . . . .	22
D. Standing Pilot Ignition System Wiring . . . . .	23
E. Junction Box Installation . . . . .	24
F. Wall Switch Installation for Fan (Optional) . . . . .	24

## 11 Finishing

A. Mantel Projections . . . . .	25
B. Facing Material . . . . .	25

## 12 Appliance Setup

A. Remove Shipping Materials . . . . .	26
B. Clean the Appliance . . . . .	26
C. Accessories . . . . .	26
D. Install the Refractory . . . . .	26
E. Ember Placement . . . . .	26
F. Positioning the Logs . . . . .	27
G. Glass Assembly . . . . .	29
H. Screen Mesh . . . . .	29
I. Grilles and Trim . . . . .	29
J. Hood . . . . .	29
K. Shutter Settings . . . . .	29

## 13 Operating Instructions

A. Before Lighting Appliance . . . . .	30
B. Check Appliance Draft . . . . .	30
C. Lighting Appliance . . . . .	31
D. After Appliance is Lit . . . . .	33
E. Frequently Asked Questions . . . . .	33

## 14 Troubleshooting

A. Standing Pilot Ignition System . . . . .	34
B. Intellifire Ignition System . . . . .	36

## 15 Maintaining and Servicing Appliance

A. Maintenance Tasks . . . . .	38
--------------------------------	----

## 16 Reference Materials

A. Appliance Dimension Diagram . . . . .	40
B. Service Parts List . . . . .	42
C. Limited Lifetime Warranty . . . . .	45
D. Contact Information . . . . .	46

➔ = Contains updated information.

# 1 Listing and Code Approvals

## A. Appliance Certification

**MODELS:** 8000TV-OAK, 8000TV-OAK-IPI, 8000TVLP-OAKIPI  
**LABORATORY:** Underwriters Laboratories, Inc. (UL)  
**TYPE:** B-Vent Decorative  
**STANDARD:** ANSI Z21.50-2002 • CGA2.2

This product is listed to ANSI standards for “Vented Gas Fireplaces” and “Gas Fired Appliances for Use at High Altitudes”.

This model (natural gas and propane) can be installed in a bedroom (in the United States) which has a total volume of unconfined space appropriate to the particular installation. Refer to the **National Fuel Gas Code ANSI Z223.1/ NFPA54 (current edition), The Uniform Mechanical Code - (current edition)**, and local Building Officials for the options allowed in obtaining an effective bedroom volume of unconfined space.

This model (natural gas and propane) can be installed in a bedroom (in Canada) if a thermostat (**Model WH-STAT**) is installed with the unit. Consult local code authorities. Detailed installation instructions for Model WH-STAT are included with the kit.

**NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE.**  
 This appliance is tested and approved as either supplemental room heat or as a decorative appliance. It should not be factored as primary heat in residential heating calculations.

## B. Glass Specifications

Hearth & Home Technologies appliances manufactured with tempered glass may be installed in hazardous locations such as bathtub enclosures as defined by the Consumer Product Safety Commission (CPSC). The tempered glass has been tested and certified to the requirements of **ANSI Z97.1** and **CPSC 16 CFR 1202** (Safety Glazing Certification Council **SGCC# 1595** and **1597**. Architectural Testing, Inc. Reports **02-31919.01** and **02-31917.01**).

This statement is in compliance with **CPSC 16 CFR Section 1201.5** “Certification and labeling requirements” which refers to **15 U.S. Code (USC) 2063** stating “...Such certificate shall accompany the product or shall otherwise be furnished to any distributor or retailer to whom the product is delivered.”

Some local building codes require the use of tempered glass with permanent marking in such locations. Glass meeting this requirement is available from the factory. Please contact your dealer or distributor to order.

**Note:** This installation must conform with local codes. In the absence of local codes you must comply with the National Fuel Gas Code, ANSI Z223.1-latest edition in the U.S.A. and the CAN/CGA B149 Installation Codes in Canada.

## C. BTU Specifications

Models (U.S. or Canada)	Maximum Input BTU/h	Minimum Input BTU/h	Orifice Size (DMS)	
8000TV-OAK	US 0-2000 FT	37,500	26,000	#31
	CAN 2000-4500 FT	33,750	23,400	#32
8000TVLP-OAK-IPI	US 0-2000 FT	37,500	24,000	1.8 mm
	CAN 2000-4500 FT	33,750	21,600	#51
8000TV-OAKIPI	US 0-2000 FT	37,500	26,000	#31
	CAN 2000-4500 FT	33,750	23,400	#32

## D. High Altitude Installations

U.L. Listed gas appliances are tested and approved without requiring changes for elevations from 0 to 2000 feet in the U.S.A. and Canada.

When installing this appliance at an elevation above 2000 feet, it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input rate should be reduced by 4% for each 1000 feet above a 2000 foot elevation in the U.S.A., or 10% for elevations between 2000 and 4500 feet in Canada. If the heating value of the gas has been reduced, these rules do not apply. To identify the proper orifice size, check with the local gas utility.

If installing this appliance at an elevation above 4500 feet (in Canada), check with local authorities.

### WARNING

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.

## E. Non-Combustible Materials Specification

Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, shall be considered non-combustible materials.

## F. Combustible Materials Specification

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or whether plastered or unplastered shall be considered combustible materials.

## → G. Electrical Codes

**NOTICE:** *This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code CSA C22.1**.*

- A 110-120 VAC circuit for this product must be protected with ground-fault circuit-interrupter protection, in compliance with the applicable electrical codes, when it is installed in locations such as in bathrooms or near sinks.

## 2 Getting Started

### A. Design and Installation Considerations

Heat & Glo B-type vent gas appliances are designed to operate with all exhaust gases expelled to the outside of the building, and combustion air pulled from the room.

#### CAUTION

Check building codes prior to installation.

- Installation **MUST** comply with local, regional, state and national codes and regulations.
- Consult local building, fire officials or authorities having jurisdiction about restrictions, installation inspection, and permits.

When planning an appliance installation, it's necessary to determine the following information before installing:

- Where the appliance is to be installed. **See Sections 3 and 4.**
- The vent system configuration to be used. **See Sections 5 and 6.**
- Gas supply piping. **See Sections 7 and 9.**
- Electrical wiring. **See Sections 7 and 10.**
- Framing and finishing details. **See Sections 3, 6 and 11.**
- Whether optional accessories—devices such as a fan, wall switch, or remote control—are desired. **See Section 10.**

#### ⚠ WARNING



Fire Risk

Explosion Risk

Keep appliance dry.

- Mold or rust may cause odors.
- Water may damage controls.



## B. Negative Pressure

<b>⚠ WARNING</b>	
	<p>Asphyxiation Risk.</p> <ul style="list-style-type: none"> <li>Negative pressure can cause spillage of combustion fumes and soot.</li> <li>Fireplace needs to draft properly for safety.</li> </ul>

Draft is the pressure difference needed to vent fireplaces successfully. Considerations for successful draft include:

- Preventing negative pressure
- Location of fireplace and chimney

**Negative pressure** results from the imbalance of air available for the fireplace to operate properly. Causes for this imbalance include:

- Exhaust fans (kitchen, bath, etc.)
- Range hoods
- Combustion air requirements for furnaces, water heaters and other combustion appliances
- Clothes dryers
- Location of return-air to furnace or air conditioning
- Imbalances of the HVAC air handling system
- Upper level air leaks (recessed lighting, attic hatch opening, duct leaks)

To minimize the effects of negative air pressure, the following must be considered:

- Install the fresh air kit. Install the intake on the side of the house towards prevailing winds during the heating season.
- Ensure adequate outdoor air is supplied for combustion appliances and exhaust equipment.
- Ensure furnace and air conditioning return vents are not located in the immediate vicinity of the fireplace.
- Avoid installing the fireplace near doors, walkways or small isolated spaces.
- Recessed lighting should be of “sealed can” design; attic hatches weather stripped or sealed; and attic mounted ductwork and air handler joints and seams taped or sealed.
- Basement installations should be avoided due to stack effect. Stack effect creates negative pressure in lower levels. Hearth & Home Technologies recommends the use of direct vent fireplaces in basements.

Location of the fireplace and chimney will affect performance. As shown in Figure 2.1, the chimney should:

- Be installed through the warm space enclosed by the building envelope. This helps to produce more draft, especially during lighting and die-down of the fire.
- Penetrate the highest part of the roof. This minimizes the effects of wind turbulence.
- Be located away from trees, adjacent structures, uneven roof lines and other obstructions.

Offsets can restrict draft so their use should be minimized. Consider the fireplace location relative to floor and ceiling and attic joists.

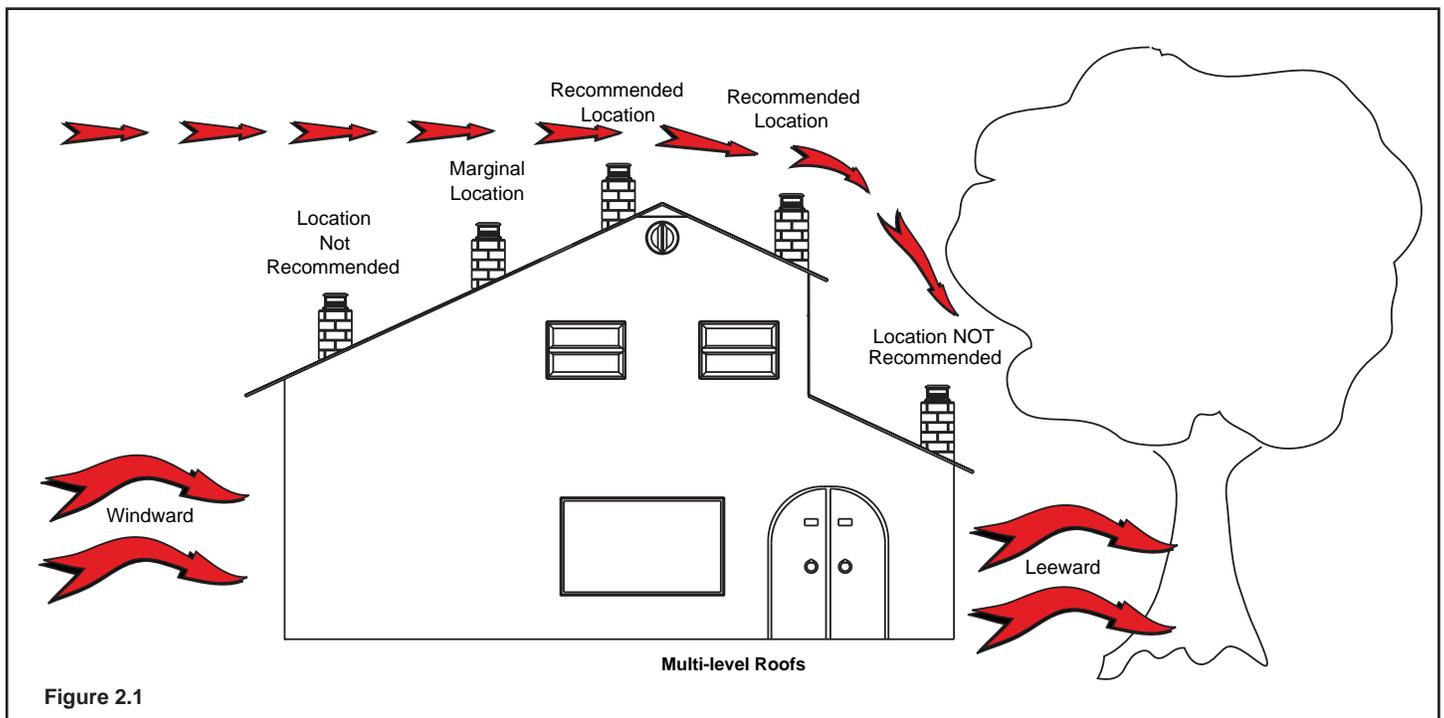


Figure 2.1

### C. Tools and Supplies Needed

Before beginning the installation be sure that the following tools and building supplies are available.

- |  |                                   |
|--|-----------------------------------|
| Reciprocating saw                                    | Framing material                  |
| Pliers   | Hi temp caulking material         |
| Hammer   | Gloves                            |
| Phillips screwdriver                                 | Framing square                    |
| Flat blade screwdriver                               | Electric drill and bits (1/4 in.) |
| Plumb line   | Safety glasses                    |
| Level  | Tape measure                      |
| Manometer  | Voltmeter                         |
| Non-corrosive leak check solution                    |                                   |
| 1/2 - 3/4 inch length, #6 or #8 Self-drilling screws |                                   |
| One 1/4 inch female connection (for optional fan).   |                                   |

### D. Inspect Appliance and Components

	<b>⚠ WARNING</b>
	<p>Inspect appliance and components for damage. Damaged parts may impair safe operation.</p> <ul style="list-style-type: none"> <li>• Do NOT install damaged components.</li> <li>• Do NOT install incomplete components.</li> <li>• Do NOT install substitute components.</li> </ul> <p>Report damaged parts to dealer.</p>

The following B-vent components are needed for installation (see Figure 2.2).

- Fireplace Box
- Pipe Components
- Firestops
- Attic Insulation Shield
- Elbows
- Strapping
- Roof Flashing or Chase Top
- Termination Cap
- Storm Collar
- Carefully remove the appliance and components from the packaging.
- The vent system components and trim doors are shipped in separate packages.
- The gas logs may be packaged separately and must be field installed.
- Report to your dealer any parts damaged in shipment, particularly the condition of the glass.
- **Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.**

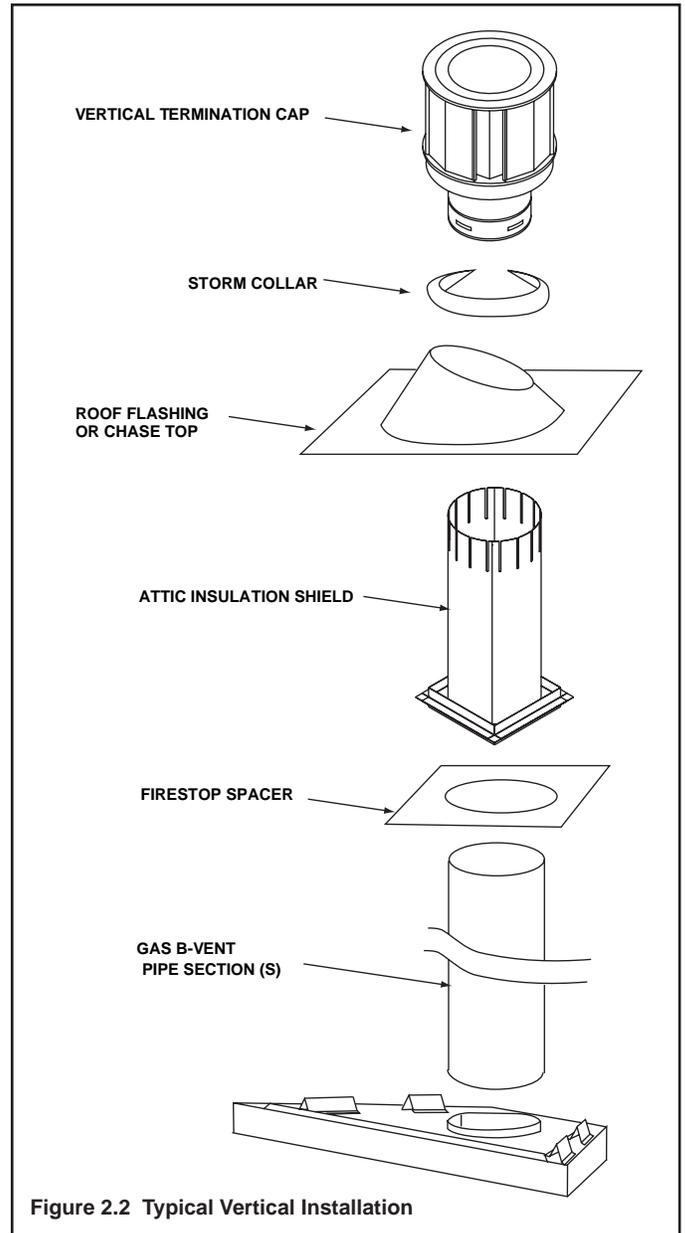
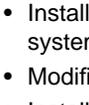


Figure 2.2 Typical Vertical Installation

	<b>⚠ WARNING</b>
	<p>Hearth &amp; Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:</p> <ul style="list-style-type: none"> <li>• Installation and use of any damaged appliance or vent system component.</li> <li>• Modification of the appliance or vent system.</li> <li>• Installation other than as instructed by Hearth &amp; Home Technologies.</li> <li>• Improper positioning of the gas logs or the glass door.</li> <li>• Installation and/or use of any component part not approved by Hearth &amp; Home Technologies.</li> </ul> <p><b>Any such action may cause a fire hazard.</b></p>

# 3 Framing and Clearances

**Note:**

- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

## A. Selecting Appliance Location

When selecting a location for your appliance it is important to consider the required clearances to walls (see figure 3.1).

### ⚠ WARNING



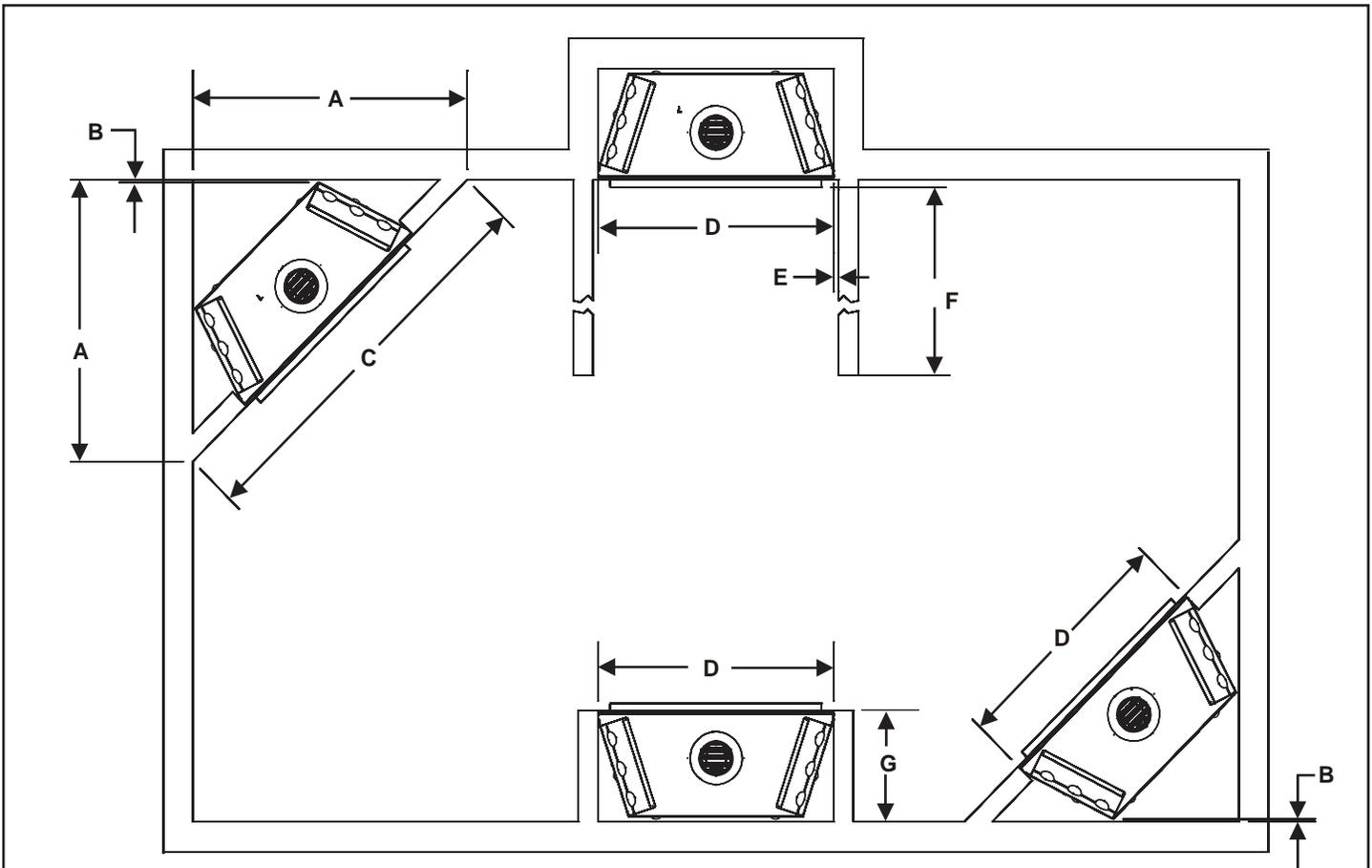
**Fire Risk**

Provide adequate clearance:

- Around air openings
- To combustibles
- For service access

Locate appliance away from traffic areas.

**NOTE:** For actual appliance dimensions refer to Section 16.



	A	B	C	D	E	F	G
Inches	55-7/8	1/2	79	49	Min. 1	37-3/8	22
Millimeters	1419	13	2007	1245	25	949	559

In addition to these framing dimensions, also reference the following sections:

- Clearances and Mantel Projections (**Sections 3.C and 3.D**)
- Vent Clearances and Framing (**Section 6**).

Figure 3.1 Appliance Locations

## B. Constructing the Appliance Chase

A chase is a vertical boxlike structure built to enclose the gas appliance and/or its vent system. Vertical vents that run on the outside of a building may be, but are not required to be, installed inside a chase.

Construction of the chase may vary with the type of building. These instructions are not substitutes for the requirements of local building codes. Local building codes MUST be checked.

Chases should be constructed in the manner of all outside walls of the home to prevent cold air drafting problems. The chase should not break the outside building envelope in any manner.

Walls, ceiling, base plate and cantilever floor of the chase should be insulated. Vapor and air infiltration barriers should be installed in the chase as per regional codes for the rest of the home. Additionally, in regions where cold air infiltration may be an issue, the inside surfaces may be sheetrocked and taped for maximum air tightness.

To further prevent drafts, the wall shield and ceiling fire-stops should be caulked with high temperature caulk to seal gaps. Gas line holes and other openings should be caulked with high temp caulk or stuffed with unfaced insulation. If the appliance is being installed on a cement slab, a layer of plywood may be placed underneath to prevent conducting cold up into the room.

## C. Clearances

### ⚠ WARNING



Fire Risk.

Odor Risk.

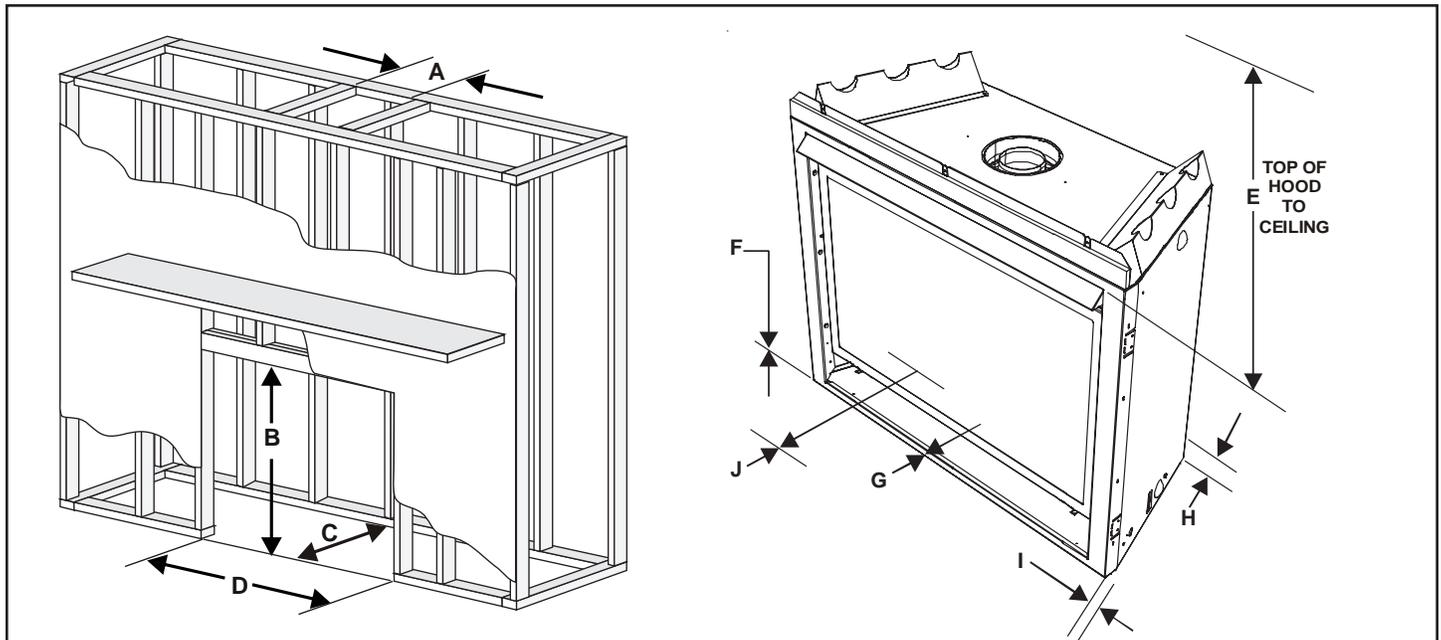
- Install appliance on hard metal or wood surfaces extending full width and depth of appliance.
- Do NOT install appliance directly on carpeting, vinyl, tile or any combustible material other than wood.
- Do NOT place furniture or any other combustible household objects within 36 inches of the appliance front.

### ⚠ WARNING



Fire Risk.

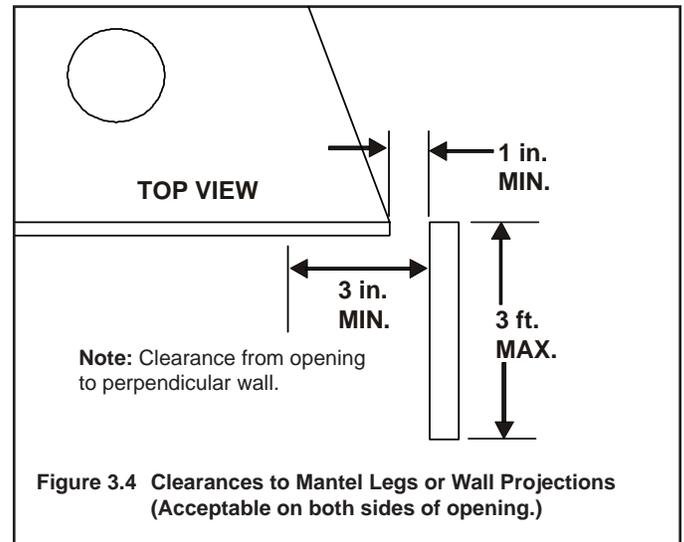
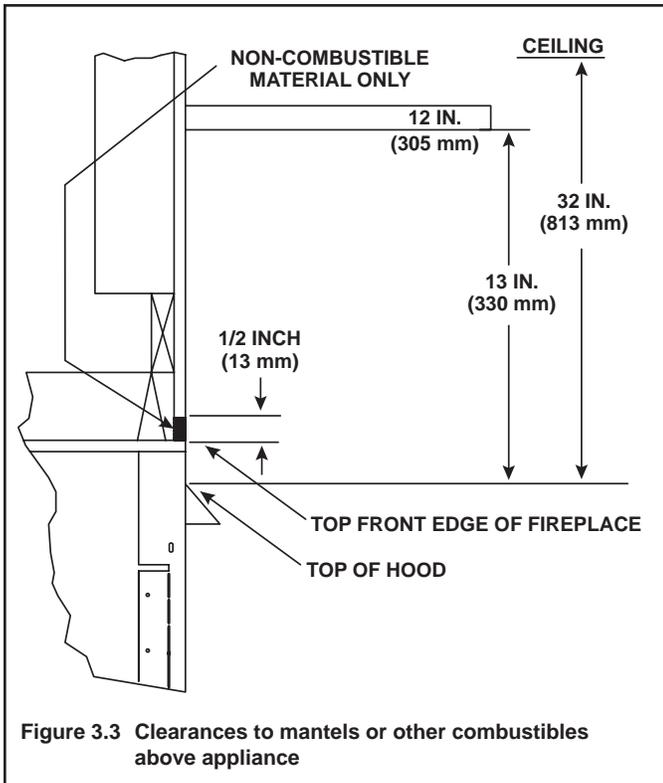
- Construct chase to all clearance specifications in manual.
- Locate and install appliance to all clearance specifications in manual.



CLEARANCES TO COMBUSTIBLES										
	A	B	C	D	E	F	G	H	I	J
	Rough Opening (Vent Pipe)	Rough Opening (Height)	Rough Opening (Depth)	Rough Opening (Width)	Clearance to Ceiling	Combustible Floor	Combustible Flooring	Behind Appliance	Sides of Appliance	Front of Appliance
Inches	10	40-1/2	22	49	32	0	0	1/2	1/2	36
mm	254	1029	559	1245	813	0	0	13	13	914

Figure 3.2 Clearances to Combustibles

## D. Mantel Projections



# 4 Termination Locations

## A. Vent Termination Minimum Clearances

⚠ WARNING

Fire Risk.  
Explosion Risk.  
Maintain vent clearance to combustibles as specified.

- Do not pack air space with insulation or other materials.

Failure to keep insulation or other materials away from vent pipe may cause fire.

**Roof Pitch** **H (Min.) Ft.**

Flat to 6/12.....	1.0*
Over 6/12 to 7/12.....	1.25*
Over 7/12 to 8/12.....	1.5*
Over 8/12 to 9/12.....	2.0*
Over 9/12 to 10/12.....	2.5*
Over 10/12 to 11/12.....	3.25
Over 11/12 to 12/12.....	4.0
Over 12/12 to 14/12.....	5.0
Over 14/12 to 16/12.....	6.0
Over 16/12 to 18/12.....	7.0
Over 18/12 to 20/12.....	7.5
Over 20/12 to 21/12.....	8.0

\* 3 foot minimum in snow regions

**Figure 4.1 Minimum height from roof to lowest discharge opening**

Termination Clearances		
	Gas	Wood
A	6 inches	20 inches

**Figure 4.2 Multiple Vertical Termination**

Figure 4.1 specifies minimum vent heights for various pitched roofs.

# 5 Vent Information and Diagrams

## A. Vent Guidelines

**⚠ WARNING**



Fire Risk.  
Asphyxiation Risk.  
This appliance requires the specified pipe for operation.

- Incorrect pipe may cause spillage, condensation and overheating.

This model requires the following size B-vent double wall, or single wall rigid or flex vent pipe.

Models	Pipe Size
8000TV-OAK	6 inch

- Follow pipe manufacturer's installation guidelines when installing the appliance.

**⚠ WARNING**



Fire Hazard.  
Explosion Risk.  
Asphyxiation Risk.  
Do NOT connect this gas appliance to a chimney flue serving a separate solid-fuel or gas burning appliance.



- Vent this appliance directly outside.
- Use separate vent system for this appliance.

May impair safe operation of this appliance or other appliances connected to the flue.

## B. Vent System Configuration

**CAUTION**

ALL vent configuration specifications MUST be followed.

- This product is tested and listed to these specifications.
- Appliance performance will suffer if specifications are not followed.

Rise to Run Ratio = 2:1

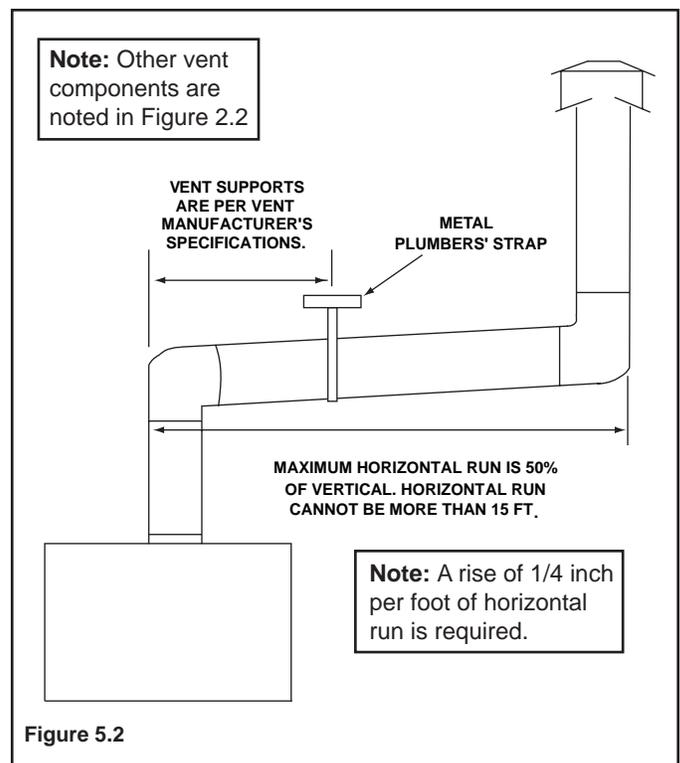
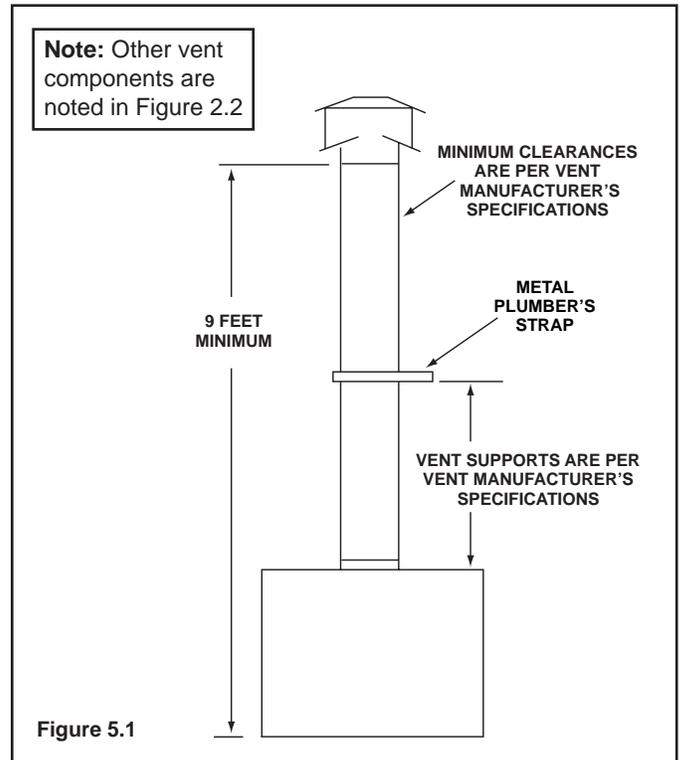
Maximum Total Horizontal Run = 15 Feet

Minimum Total Vertical Rise = 9 Feet

Maximum Total Vertical Rise = 30 Feet

Maximum Number of Elbows: Two 90° or Four 45°

**Note:** A rise of 1/4 inch per foot of horizontal run is required.



**Note:** A rise of 1/4 inch per foot of horizontal run is required.

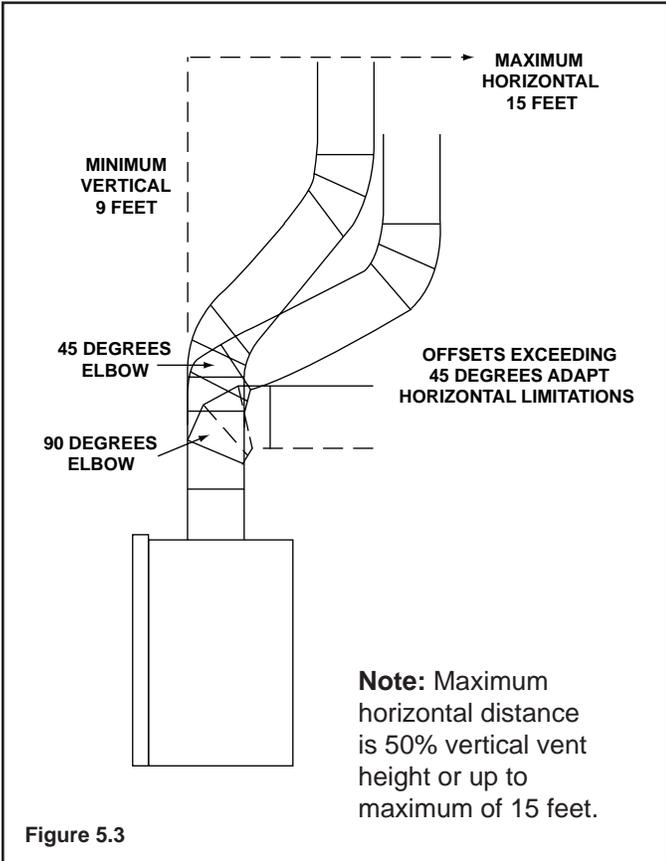
**⚠ WARNING**



Fire Risk.  
Explosion Risk.  
Insulation and other combustibles must not infringe on clearances.



- ALWAYS maintain specified clearances around venting and firestop systems.
  - Install firestops as specified.
- Failure to keep insulation or other material away from vent pipe may cause fire.



**Note:** Maximum horizontal distance is 50% vertical vent height or up to maximum of 15 feet.

Figure 5.3

# 6 Vent Clearances and Framing

## A. Pipe Clearances to Combustibles

 <b>WARNING</b>	
	Fire Risk. Explosion Risk. Maintain vent clearance to combustibles as specified.
	<ul style="list-style-type: none"><li>• Do not pack air space with insulation or other materials.</li><li>• National building codes recommend using attic shield to keep loose materials/insulation from contacting vent.</li></ul>
Failure to keep insulation or other materials away from vent pipe may cause fire.	

Follow vent pipe manufacturer's instructions for all clearances around pipe.

## B. Vertical Penetration Framing

Use B-vent manufacturer's firestops to provide adequate clearances.

**Note:** This product MUST terminate vertically.

 <b>WARNING</b>	
	Fire Hazard Keep loose materials or blown insulation from touching the vent pipe.
<ul style="list-style-type: none"><li>• National building codes recommend using attic shield to keep loose materials/ blown insulation from contacting vent.</li><li>• Hearth &amp; Home Technologies requires the use of an attic shield.</li></ul>	

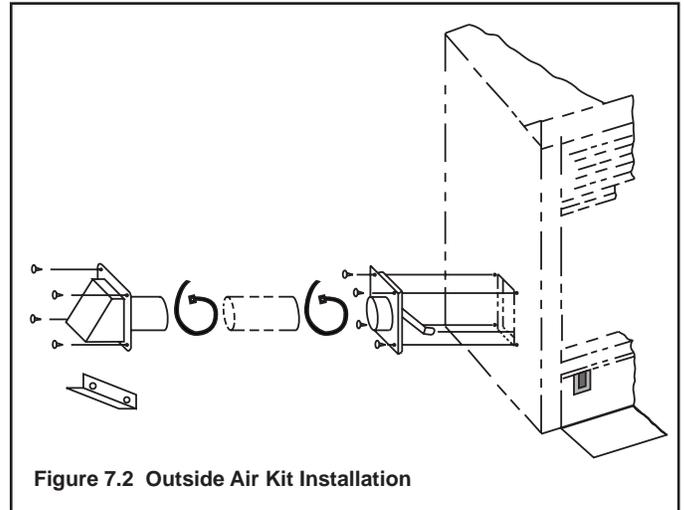
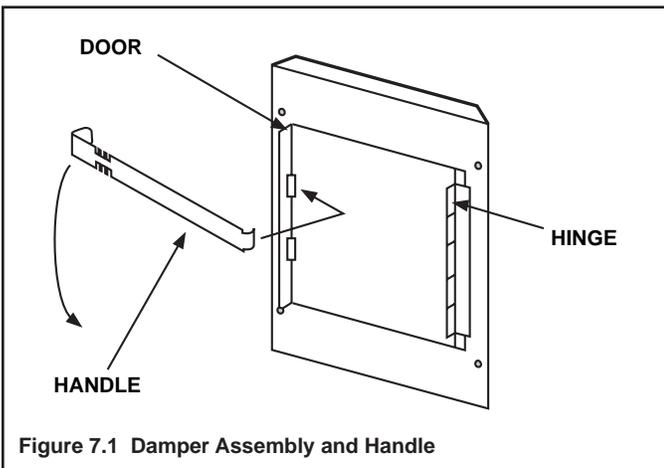
# 7 Appliance Preparation

	<b>CAUTION</b>
	Sharp Edges • Wear protective gloves and safety glasses during installation. 

## A. Installing Outside Air Kit Damper Assembly

	<b>WARNING</b>
	Asphyxiation Risk. Fire Risk. Do NOT draw outside combustion air from: • Wall, floor or ceiling cavity. • Enclosed space such as an attic or garage. • Close proximity to exhaust vents or chimneys. Fumes or odor may result.

- Remove and discard cover plate or knockout from side of appliance.
- Open air kit damper slightly.
- Locate door hinge toward back of appliance (see Figure 7.1).



- Attach damper assembly to appliance using screws provided (see Figure 7.2).
- Insert narrow end of handle through tab and into upper slot of door.
- Check handle operation. Pull handle out to open, and in to close.

## B. Gas and Electrical Connections

If applicable, ensure that gas and electrical connections are installed at this time. Refer to Sections 9 (Gas Information) and 10 (Electrical Information).

## C. Securing and Leveling Appliance

	<b>WARNING</b>
	Fire Risk. • Prevent contact with sagging, loose insulation. • Do NOT install against combustible materials such as exposed insulation, plastic and insulation backer.

The diagram shows how to properly position, level, and secure the appliance (see Figure 7.3). Nailing tabs are provided to secure the appliance to the framing members.

- Place the appliance into position.
- Level the appliance from side to side and front to back.
- Shim the appliance, as necessary. It is acceptable to use wood shims.
- Bend out nailing tabs on each side.
- Keep nailing tabs flush with the framing.
- Secure the appliance to the framing by using nails or screws through the nailing tabs.

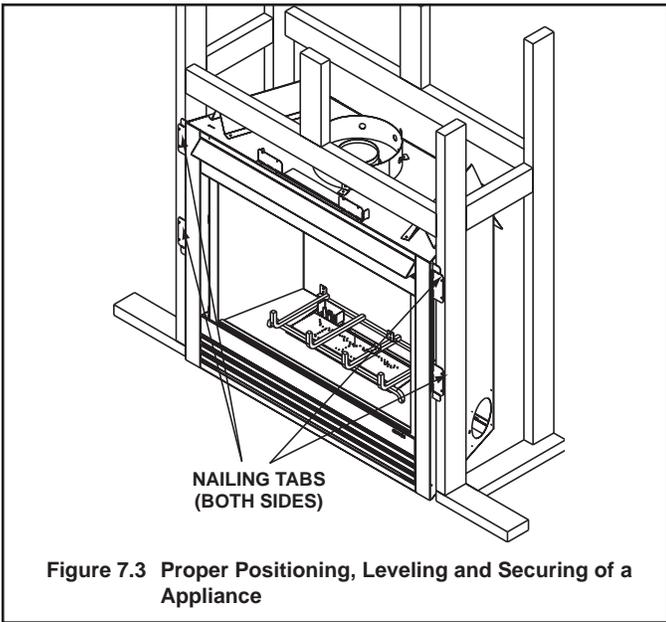


Figure 7.3 Proper Positioning, Leveling and Securing of a Appliance

**⚠ WARNING**

Fire Risk.

- ALWAYS maintain specified clearances around the appliance.
- Do NOT notch into the framing around the appliance spacers.

Failure to keep insulation, framing or other material away from the appliance may cause fire.

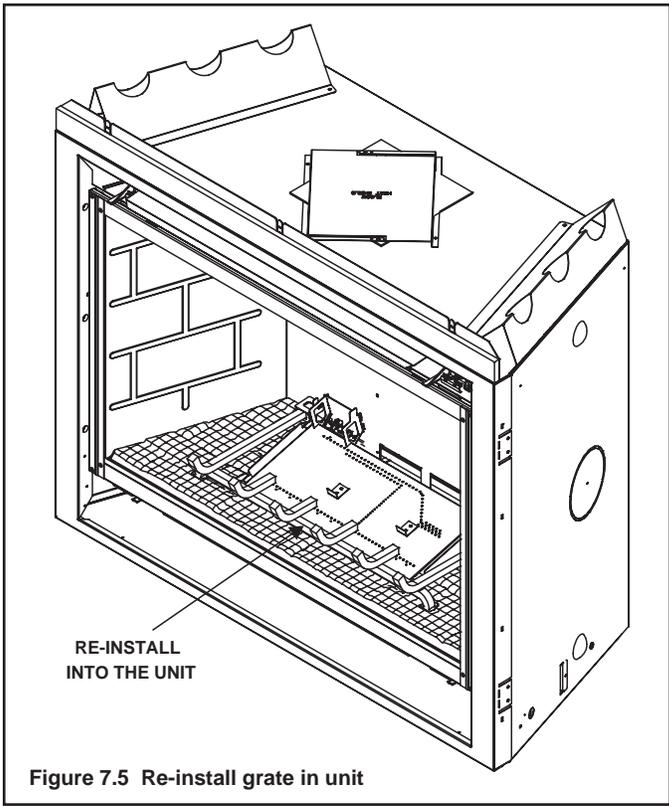


Figure 7.5 Re-install grate in unit

4. Reinstall grate into unit (see Figure 7.5).

**D. Completing Grate Set-up**

1. Straighten the tabs on the grate bracket (see Figure 7.4) and remove grate from unit.
2. Remove grate bracket (see Figure 7.4) by bending it back and forth until it breaks. Discard grate bracket.
3. Remove 4 tabs holding base refractory (see Figure 7.4) by bending tabs back and forth until they break.

**E. Checking Pilot Plate**

**Note:** Ensure pilot plate is in place. This will ensure pilot stability (see Figure 7.6)

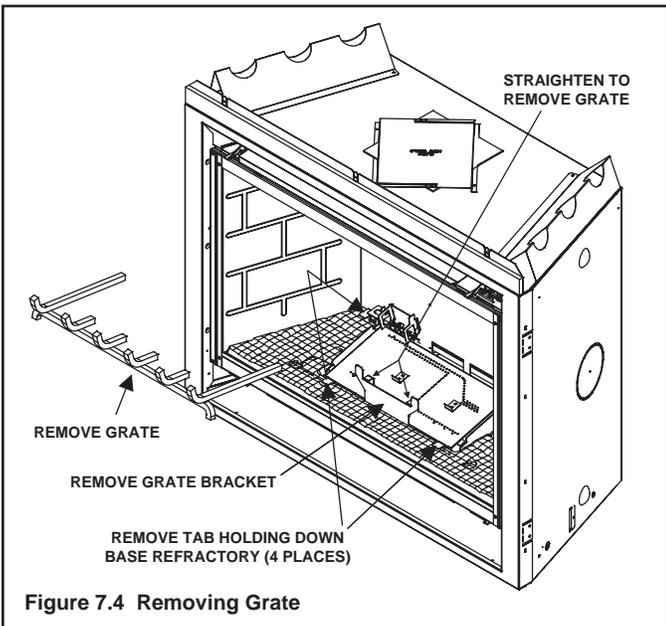


Figure 7.4 Removing Grate

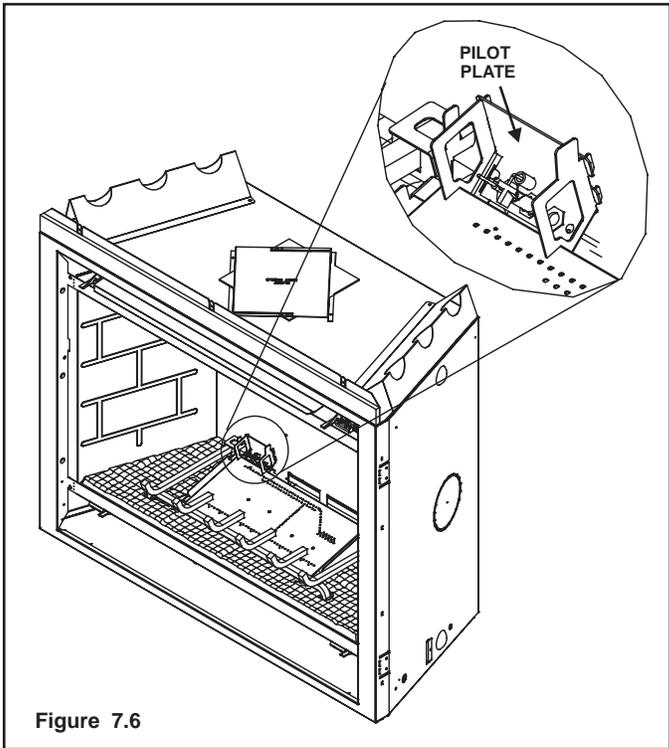


Figure 7.6

# 8 Installing Vent Pipe

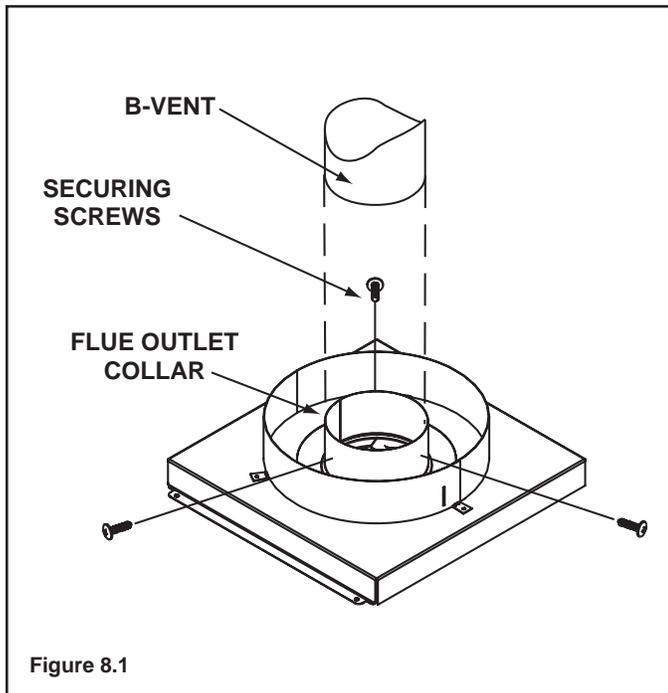
## A. Assembly of Vent Sections

This appliance requires a 6-inch B-vent double-wall pipe. Follow the pipe manufacturer's installation guidelines when installing the unit. This will ensure proper operation and prevent safety hazards.

<b>⚠ WARNING</b>	
	Fire Risk Exhaust Fumes Risk Impaired Performance of Appliance
	<ul style="list-style-type: none"><li>• Assemble pipe sections per B-vent manufacturer's instructions.</li><li>• Use support tabs for screws.</li><li>• Screws must not exceed one inch long and must not penetrate inner lining.</li><li>• Pipe may separate if not properly joined.</li></ul>

## B. Attaching Vent to Firebox

Attach the first B-Vent component to the flue outlet collar using 3 self-tapping screws. See Figure 8.1.



## C. Securing Vent Sections

Secure vent sections with vent supports following B-vent manufacturer's instructions.

<b>⚠ WARNING</b>	
	Fire Risk. Explosion Risk. Combustion Fume Risk.
	Use vent run supports per vent manufacturer's installation instructions. Connect vent sections per vent manufacturer's installation instructions. <ul style="list-style-type: none"><li>• Maintain all clearances to combustibles.</li><li>• Maintain specified slope (if required).</li></ul> Improper support may allow vent to sag or separate.

# 9 Gas Information

## A. Fuel Conversions

Before making gas connections ensure that appliance being installed is compatible with the available gas type.

Any natural or propane gas conversions necessary to meet the appliance and locality needs must be made by a qualified technician using Hearth & Home Technologies specified and approved parts.

## B. Gas Pressures

Proper input pressures are required for optimum appliance performance. Gas line sizing requirements need to be made following NFPA51.

**⚠ WARNING**



Fire Risk.  
Explosion Hazard.  
High pressure will damage valve.

- Disconnect gas supply piping BEFORE pressure testing gas line at test pressures above 1/2 psig.
- Close the manual shutoff valve BEFORE pressure testing gas line at test pressures equal to or less than 1/2 psig.

**⚠ WARNING**



Verify inlet pressures.

- High pressure may cause overfire condition.
- Low pressure may cause explosion.
- Verify minimum pressures when other household gas appliances are operating.

Install regulator upstream of valve if line pressure is greater than 1/2 psig.

Pressure requirements for appliance are shown in the table below. Minimum pressures must be met when other household gas appliances are operating.

Pressure	Natural Gas	Propane
Minimum inlet pressure	5.0 inches w.c.	11.0 inches w.c.
Maximum inlet gas pressure	14.0 inches w.c.	14.0 inches w.c.
Manifold pressure	3.5 inches w.c.	10.0 inches w.c.

## C. Gas Connection

**Note:** Have the gas supply line installed in accordance with local building codes, if any. If not, follow ANSI 223.1. Installation should be done by a qualified installer approved and/or licensed as required by the locality. (In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter).

**Note:** A listed (and Commonwealth of Massachusetts approved) 1/2 inch (13 mm) T-handle manual shut-off valve and flexible gas connector are connected to the 1/2 inch (13 mm) control valve inlet.

- **If substituting for these components, please consult local codes for compliance.**

Refer to **Reference Section 16** for location of gas line access in appliance.

**Note:** Gas line may be run from either side of the appliance provided the hole in the outer wrap does NOT exceed 2-1/2 inches in diameter and does not penetrate the firebox.

**⚠ WARNING**



Gas Leak Risk

- Support control when attaching pipe to prevent bending gas line.

**Note:** The gap between supply piping and gas access hole may be caulked with high temperature caulk or stuffed with non-combustible, unfaced insulation to prevent cold air infiltration.

- Ensure that gas line does not come in contact with outer wrap of appliance. Follow local codes.
- Incoming gas line should be piped into the valve compartment and connected to the 1/2 inch connection on the manual shutoff valve.

<b>⚠ WARNING</b>	
	<p>Fire or Explosion Hazard</p> <ul style="list-style-type: none"> <li>• Gas buildup during line purge may ignite.</li> <li>• Purge should be performed by qualified technician.</li> <li>• Ensure adequate ventilation.</li> <li>• Ensure there are no ignition sources such as sparks or open flames.</li> </ul>
	

- A small amount of air will be in the gas supply lines. When first lighting appliance it will take a short time for air to purge from lines. When purging is complete the appliance will light and operate normally.

<b>⚠ WARNING</b>	
	<p><b>CHECK FOR GAS LEAKS</b></p> <p>Explosion Risk Fire Risk Asphyxiation Risk</p> <ul style="list-style-type: none"> <li>• Check all fittings and connections.</li> <li>• Do not use open flame.</li> <li>• After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially-available, non-corrosive leak check solution. Be sure to rinse off all leak check solution following testing.</li> </ul>
	<p>Fittings and connections may have loosened during shipping and handling.</p>

<b>⚠ WARNING</b>	
	<p>Fire hazard.</p> <p>Do NOT change the valve settings.</p> <ul style="list-style-type: none"> <li>• This valve has been preset at the factory.</li> <li>• Changing valve settings may result in fire hazard or bodily injury.</li> </ul>

**HIGH ALTITUDE INSTALLATIONS**

U.L. Listed gas appliances are tested and approved without requiring changes for elevations from 0 to 2000 feet in the U.S.A. and Canada.

When installing this appliance at an elevation above 2000 feet, it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input rate should be reduced by 4% for each 1000 feet above a 2000 foot elevation in the U.S.A., or 10% for elevations between 2000 and 4500 feet in Canada. If the heating value of the gas has been reduced, these rules do not apply. To identify the proper orifice size, check with the local gas utility.

If installing this appliance at an elevation above 4500 feet (in Canada), check with local authorities.

# 10 Electrical Information

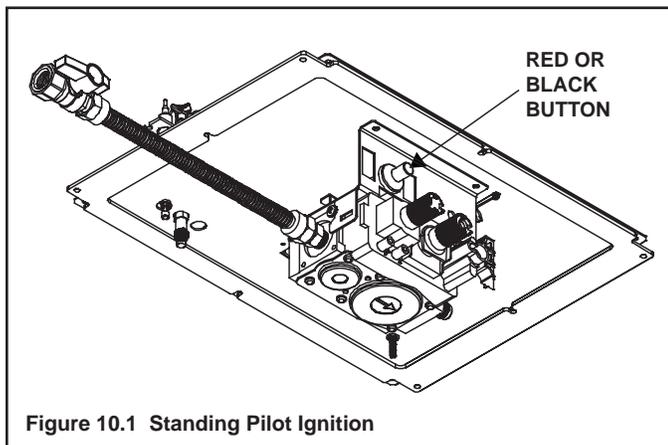
## A. Recommendation for Wire

This appliance requires 110-120 VAC be wired to the junction box either for use of optional accessories (standing pilot ignition) or for proper operation of the appliance (Intellifire ignition). Refer to Figure 10.1 to determine if the appliance uses an Intellifire ignition system or Standing Pilot ignition system.

Open the control access panel to view wiring system and gas valve. If this appliance has a red or black ignitor button (as noted in Figure 10.1) this appliance has a Standing Pilot ignition system. If there is no red or black ignitor button, this appliance has an Intellifire ignition system.

**Note:** This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code, CSA C221.1**.

- • A 110-120 VAC circuit for this product must be protected with ground-fault circuit-interrupter protection, in compliance with the applicable electrical codes, when it is installed in locations such as in bathrooms or near sinks.



## B. Connecting to the Appliance

	<b>⚠ WARNING</b>
	<p>Wire 110V to electrical junction box. Do NOT wire 110V to valve. Do NOT wire 110V to wall switch.</p> <ul style="list-style-type: none"><li>• Incorrect wiring will damage millivolt valves.</li><li>• Uninterrupted to continuous power is required at all times in IPI system EXCEPT when using battery back-up.</li><li>• Incorrect wiring will override IPI safety lockout and may cause explosion.</li></ul>

- This appliance **MUST** be used with a wall switch or a remote control.
- This unit is not for use with thermostats.
- Keep wire lengths short as possible by removing any excess wire length.
- Low voltage and 110 VAC voltage cannot be shared within the same wall box.

### Wall Switch

Position the wall switch in the desired position on the wall. An assembly of 18 ft of 20 AWG is provided with the fireplace to connect the wall switch to the appliance. Instead of the supplied assembly, wire with a length of 25 ft or less and a gauge of 20 AWG through 14 AWG is acceptable. The wire needs a jacket with a temperature rating of 140° F (60° C) or higher. At the appliance connect the wire to the ON/OFF switch pigtails.

### C. Intellifire Ignition System Wiring

This appliance requires a 110 VAC supply to the appliance junction box for operation. A wiring diagram is shown in Figure 10.2.

This appliance is equipped with an Intellifire control valve which operates on a 3 volt system.

This appliance is supplied with a battery pack and a 3 volt AC transformer, which requires the installation of the supplied junction box. It is highly recommended that the junction box be installed at this time to avoid reconstruction.

The battery pack requires two D cell batteries (not included).

**Note:** Batteries cannot be placed in the battery pack while using the 3 volt AC transformer. The transformer must be unplugged if the battery pack is used or battery life will be reduced.

#### CAUTION

Battery polarity must be correct or module damage will occur.

#### Optional Accessories Requirements

Wiring for optional accessories should be done now to avoid reconstruction.

#### CAUTION

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



#### ⚠ WARNING

Shock hazard.

- Replace damaged wire with type 105° C rated wire.
- Wire must have high temperature insulation.

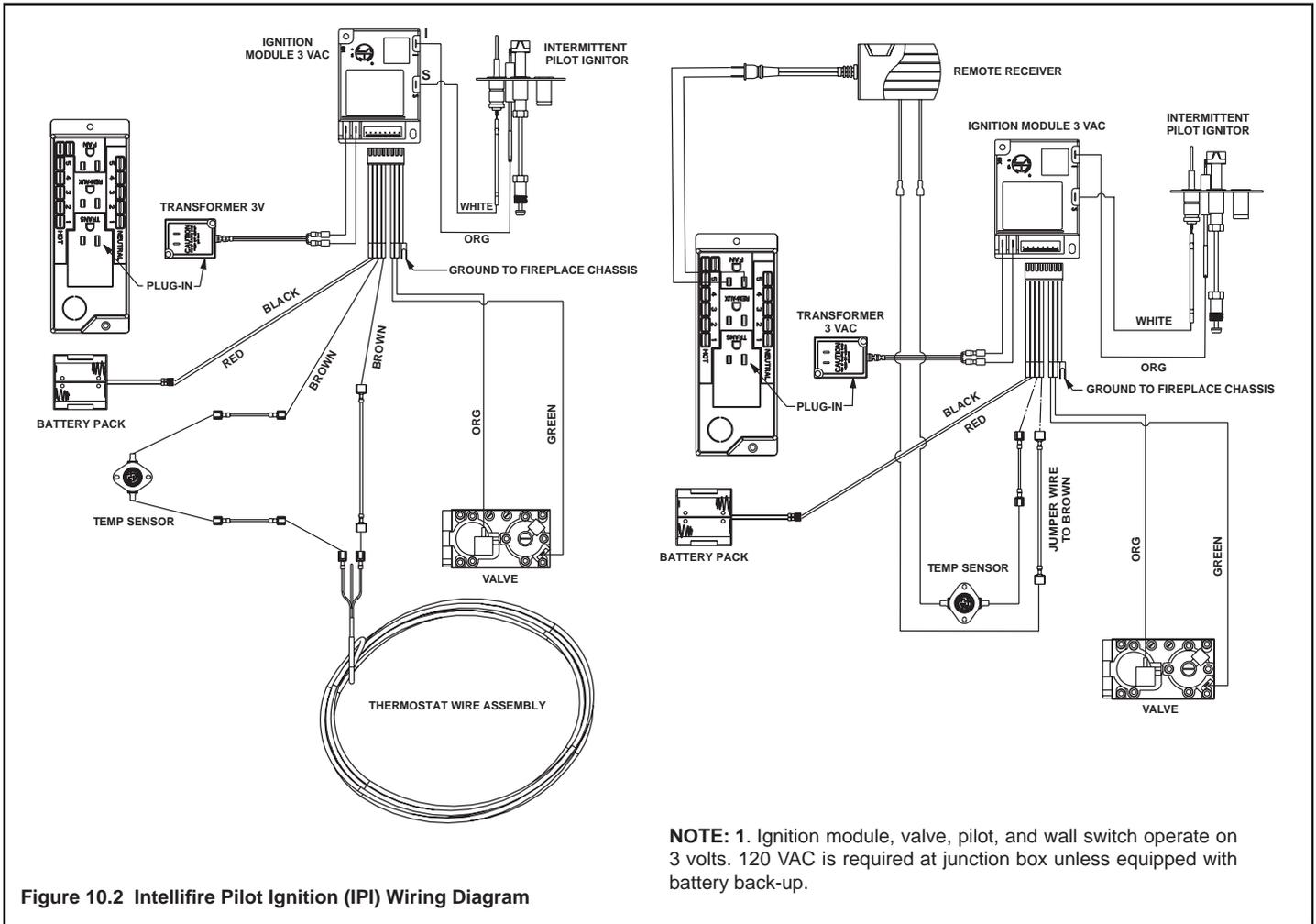


Figure 10.2 Intellifire Pilot Ignition (IPI) Wiring Diagram

### D. Standing Pilot Ignition System Wiring

This standing pilot ignition system wiring does not require a 110 VAC supply to operate.

It is recommended that a 110 VAC junction box be installed for use with a fan or remote control. (See Figure 10.4 for junction box wiring).

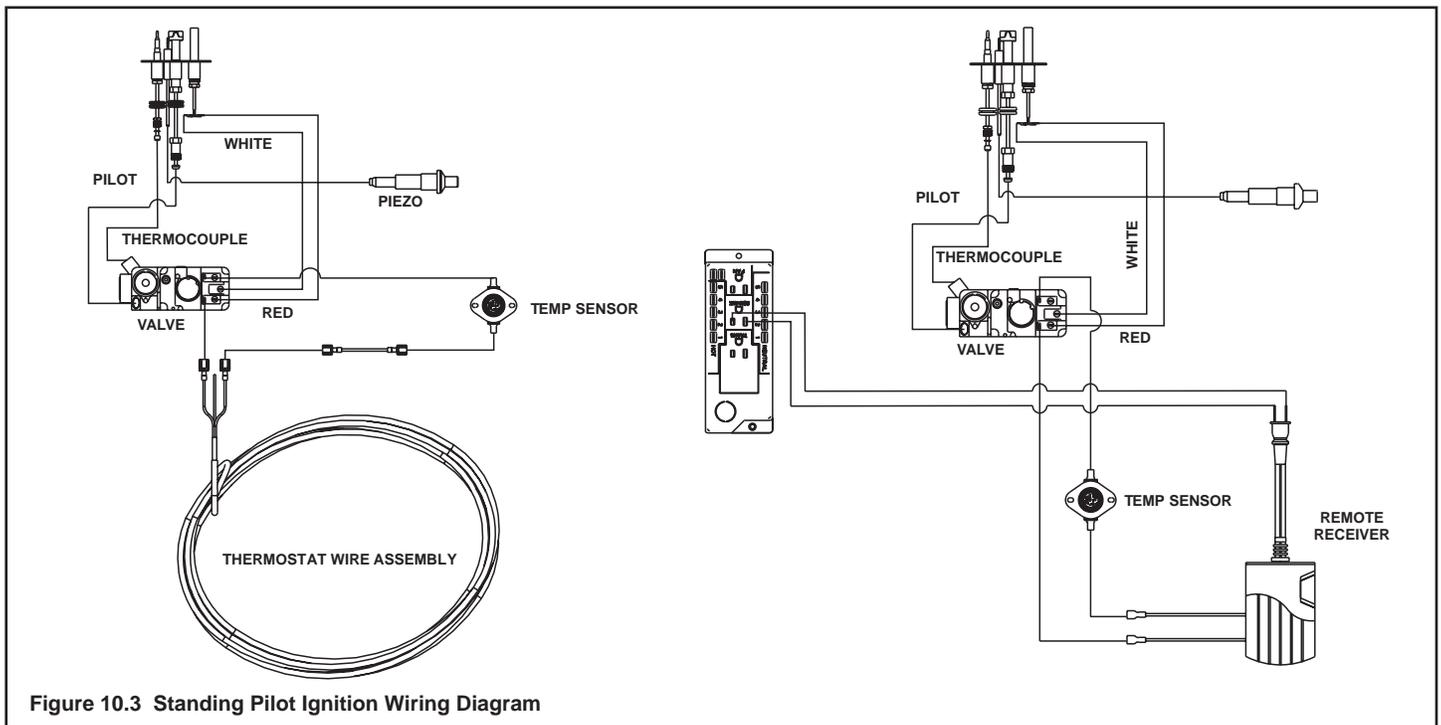
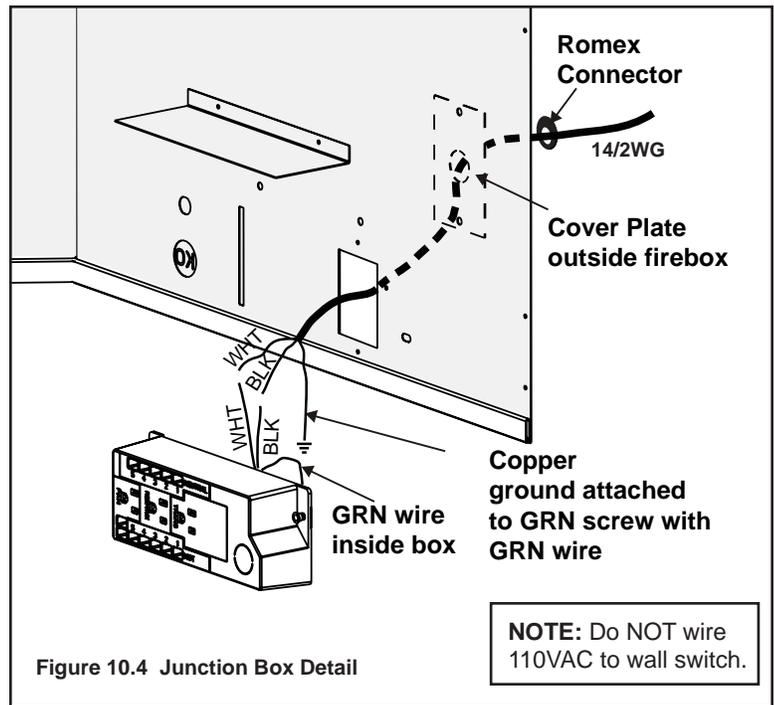


Figure 10.3 Standing Pilot Ignition Wiring Diagram

## E. Junction Box Installation

If the box is being wired from the appliance:

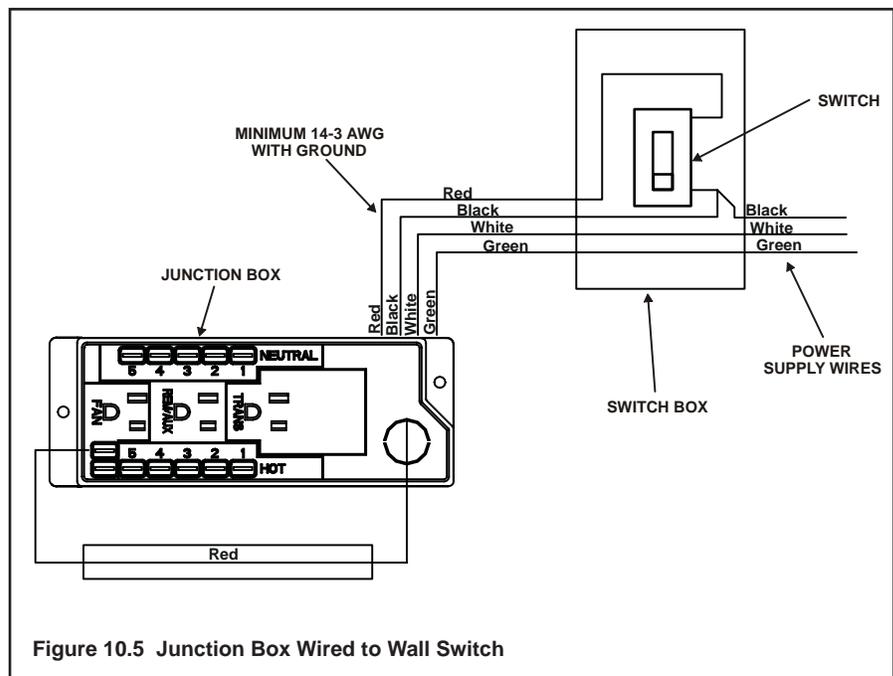
- Remove the screw attaching the junction box to the outer shell, rotate the junction box inward to disengage it from the outer shell (see Figure 10.4).
- Pull the electrical wires from outside the appliance through this opening into the valve compartment.
- Loosen the two screws on the Romex connector (not included with the unit), feed the necessary length of wire through the connector and tighten the screws.
- Make all necessary wire connections to the receptacle and assemble the receptacle and cover to the junction box.



## F. Wall Switch Installation for Fan (Optional)

If the box is being wired to a wall mounted switch for use with a fan (See Figure 10.5):

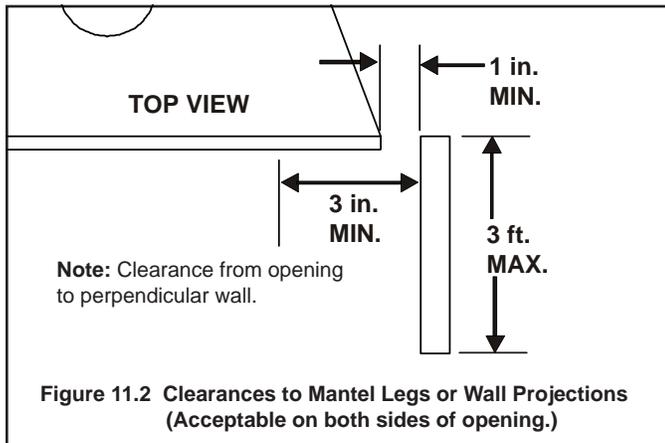
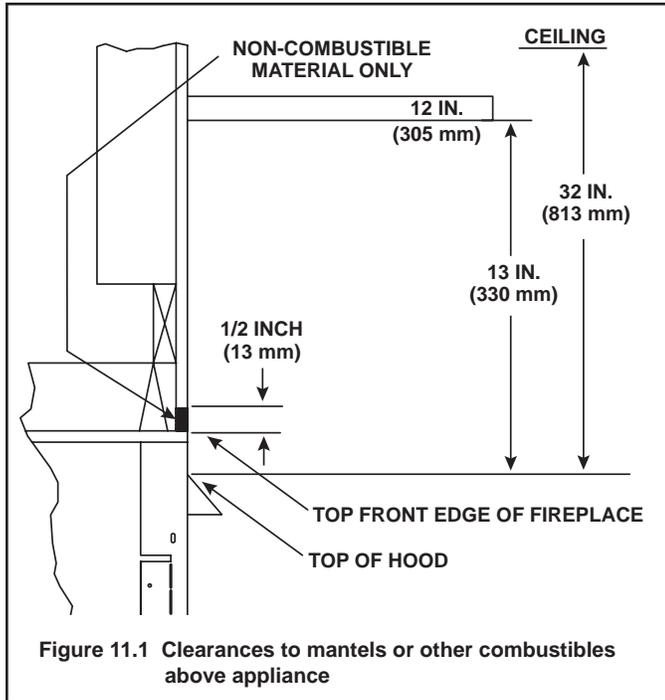
- The power supply for the appliance must be brought into a switch box.
- The power can then be supplied from the switch box to the appliance using a minimum of 14-3 with ground wire.
- At the switch box connect the black (hot) wire and red (switch leg) wire to the wall switch as shown.
- At the appliance connect the black (hot), white (neutral) and green (ground) wires to the junction box as shown.
- Add a 1/4 inch insulated female connector to the red (switch leg) wire, route it through the knockout in the face of the junction box, and connect to the top fan switch connector (1/4 inch male) as shown.



# 11 Finishing

## A. Mantel Projections

Figure 11.1 shows the minimum vertical and corresponding maximum horizontal dimensions of appliance mantels or other combustible projections above the top front edge of the appliance.

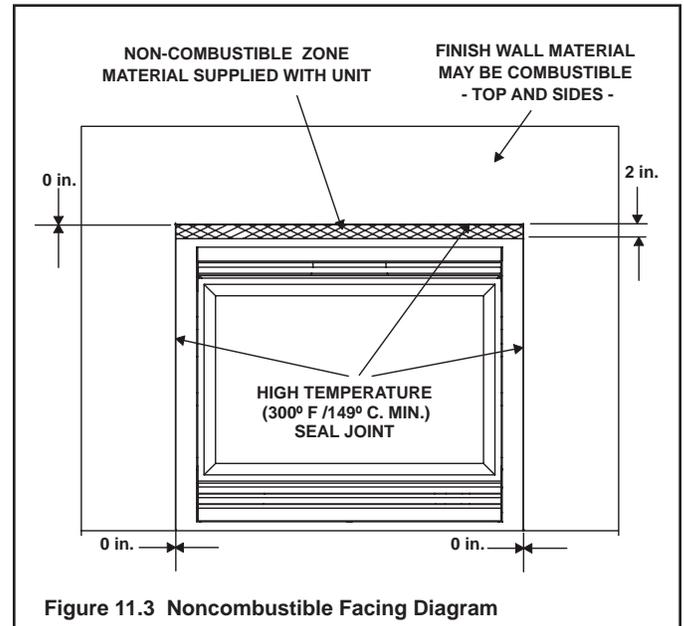


## B. Facing Material

**⚠ WARNING**

**Fire Risk**  
**Explosion Risk**

- Facing and/or finishing materials must never overhang into the glass opening.
- Overhanging materials may ignite.
- May interfere with proper operation of glass assembly.



**⚠ WARNING**

**Risk of Fire**

- Non-combustible clearances **MUST** be maintained.
- Sheetrock, wood or other combustibles must **NOT** be used as sheathing or facing in the non-combustible zone.
- See **Section 11** for proper clearances.
- See **Section 1** for combustible/non-combustible definitions.

**⚠ WARNING**

**Fire Risk.**

Finish all edges and fronts to clearances and specifications listed in manual.

- Black metal appliance front may be covered with non-combustible material only.
- Do **NOT** overlap combustible materials onto appliance front.
- Install combustible materials only up to specified clearances on top, front and side.
- Seal joints between the finished wall and appliance top and sides using only a 300° F minimum sealant.

# 12 Appliance Setup

## A. Remove Shipping Materials

Remove shipping materials from inside or underneath the firebox.

## B. Clean the Appliance

Clean/vacuum any sawdust that may have accumulated inside the firebox or underneath in the control cavity.

## C. Accessories

Install approved accessories per instructions included with accessories. See Service Parts List for appropriate accessories. Refer to **Section 16**.

	<b>⚠ WARNING</b>
	Shock or fire risk. Use <b>ONLY</b> optional accessories approved for this appliance.
	<ul style="list-style-type: none"><li>• Using non-listed accessories voids warranty.</li><li>• Using non-listed accessories may result in a safety hazard.</li><li>• Only Hearth &amp; Home Technologies approved accessories may be used safely.</li></ul>

## D. Install the Refractory

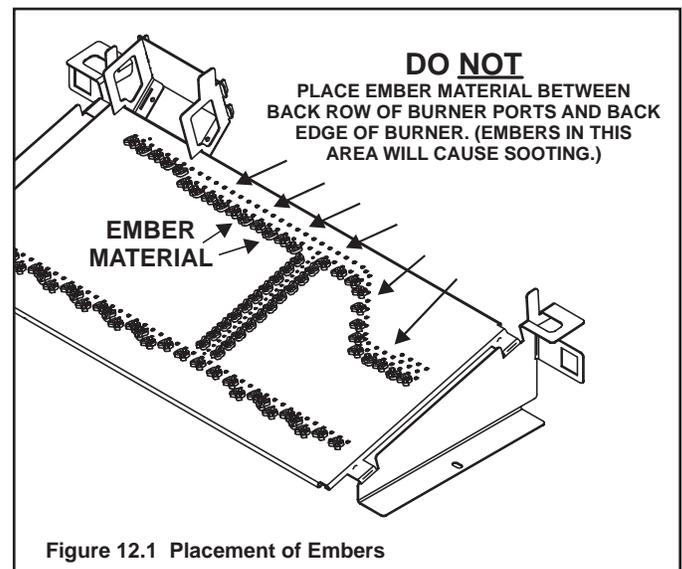
Install optional refractory following instructions in refractory kit.

## E. Ember Placement

<b>⚠ WARNING</b>	
	Explosion Risk.
	<ul style="list-style-type: none"><li>• Follow ember placement instructions in manual.</li><li>• Do <b>NOT</b> place embers directly over burner ports.</li><li>• Replace ember material annually.</li></ul>
	Improperly placed embers interferes with proper burner operation.

Ember material is shipped with this gas appliance. To place the ember material:

- When placing Glowing Embers® onto the burner care should be taken so that the ports are not covered. Place the dime-size ember pieces about 1/2 inch apart near port holes in burner top, but not on or in between the ports. For best performance do **NOT** place embers on ports at rear of burner (see Figure 12.2). Failure to follow this procedure will likely cause lighting and sooting problems.
- Place Mystic Embers on areas of base refractory away from port holes. Use this material to give the appliance a realistic ash bed.
- Save the remaining ember materials for use during appliance servicing. The embers provided should be enough for 3 to 5 applications.



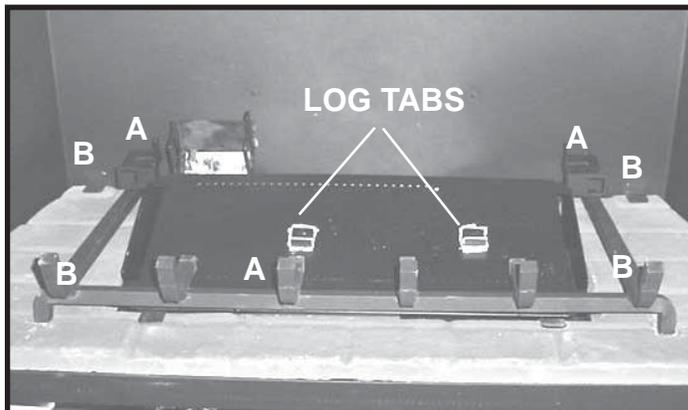
## F. Positioning the Logs

If the gas logs have been factory installed they should not need to be positioned. If the logs have been packaged separately, refer to the following instructions.

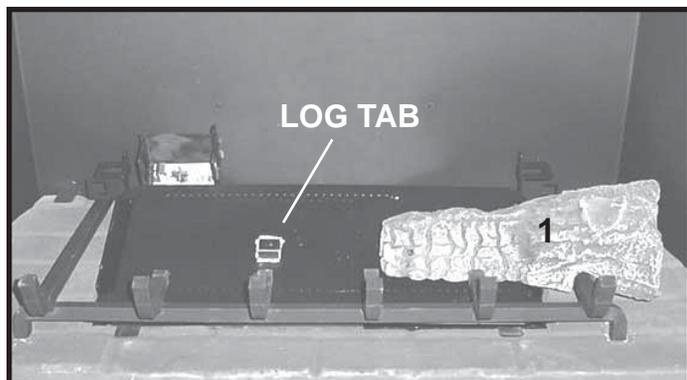


**CAUTION:** Carefully remove the logs from the packaging. Logs are fragile!

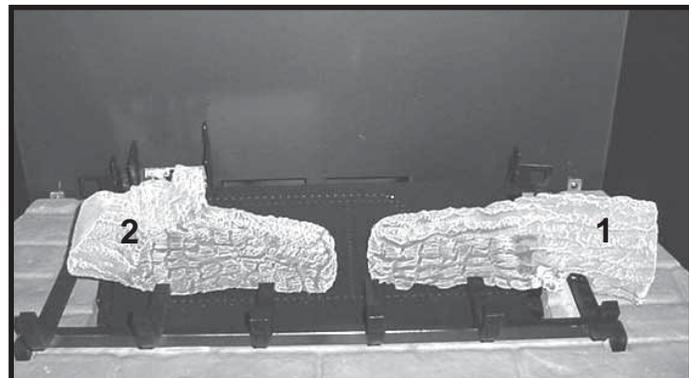
## Log Assembly: LOGS-8OAK



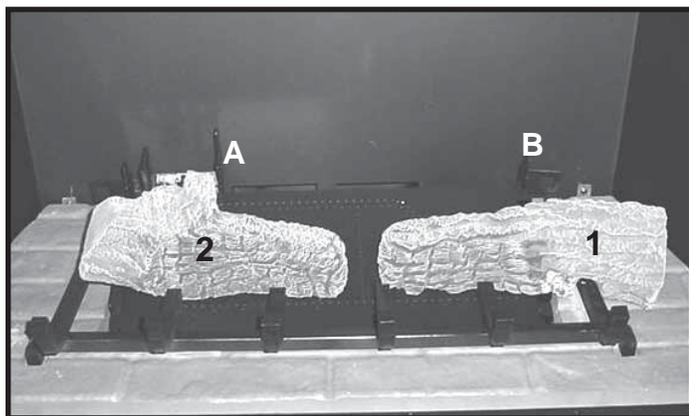
**STEP 1:** Remove metal grate supports (A) and refractory tabs (B) by using a back and forth motion until the tabs break free. Metal tabs and supports are needed for shipping only. After removing the tabs and supports, the grate should fully rest on the base refractory.



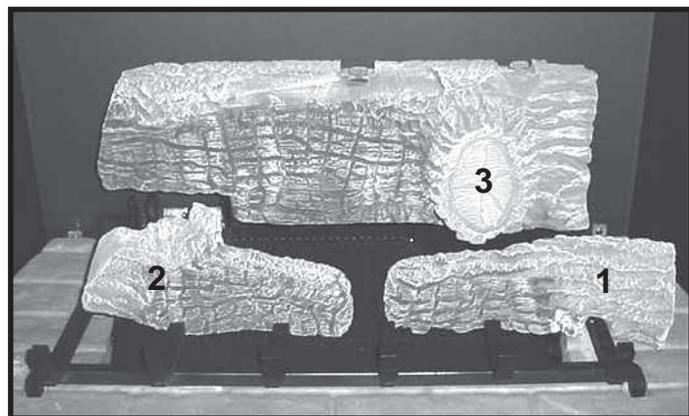
**STEP 2:** Log #1 (SRV2057-720): Place log 1 so that the bottom right notch on log rests on far right grate tine. The bottom left notch on log #1 must mate over the log tab on the burner face.

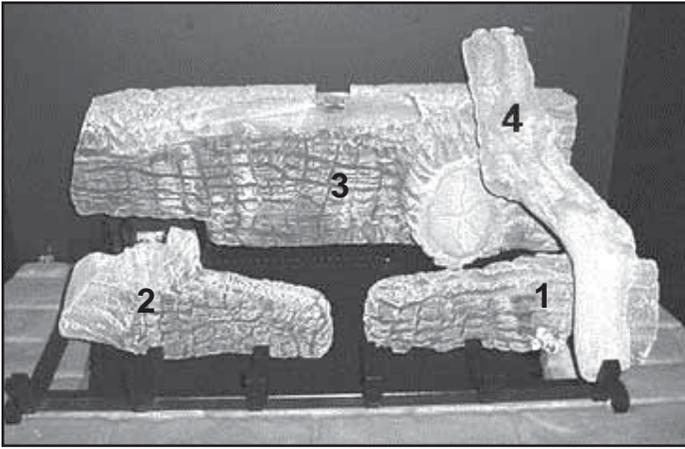


**STEP 3:** (SRV2057-721): Place log 2, nose to nose with log 1. The bottom notch on log #2 must mate over the log tab on the burner face.

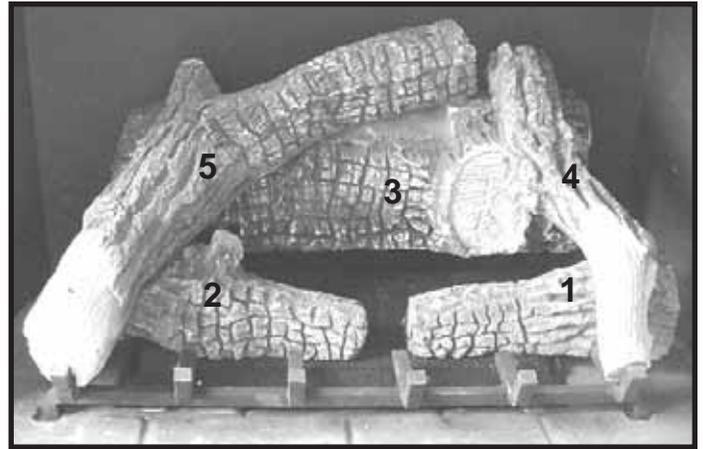


**STEP 4:** (SRV2057-722): Place log 3 so that the bottom notches mate with the 2 back steel tabs. Tab A is located on the right side of pilot bracket, tab B is located at the back/right corner of burner. NOTE: There should be a 1/2 inch gap between the bottom of log 3 and the top edge of the burner. The underside of log #3 must not cover ANY burner ports.

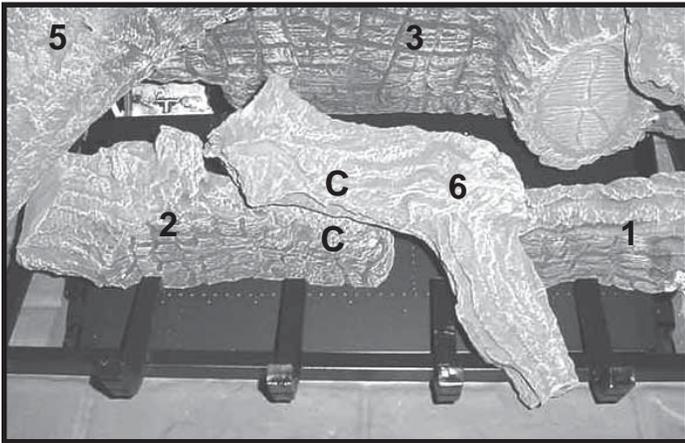




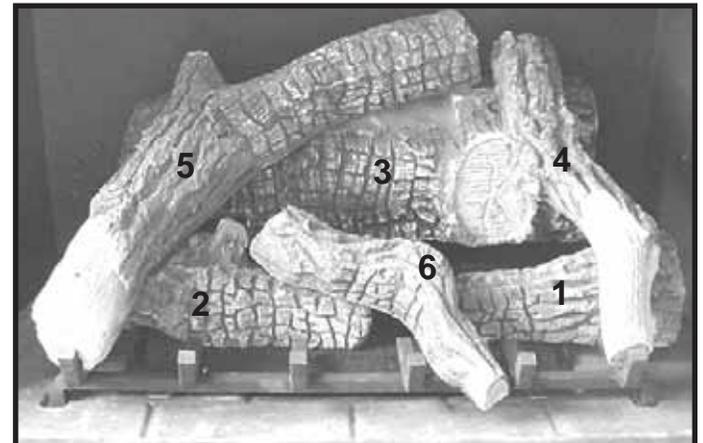
**STEP 5:** (SRV2057-723): Mate the top of log 4 with the right metal tab on log 3. The bottom of log 4 should touch the inside face of the right grate tine.



**STEP 6:** (SRV2057-724): Notch in left end of Log 5 will interlock with front left corner of grate. Rest right end of log so that it engages tab on log 3. Log 2 may need to shift to right slightly.



**STEP 7:** (SRV2057-725): Place log 6 on log 2 as shown. The left end of log 6 should touch the upper knot of log 2. The right end of log 6 should rest on the grate bar, centered between tine 4 and 5. NOTE: The front faces (C) of log 6 and 2 should be on the same plane. This is key in avoiding flame impingement.



**NOTE:** Finished top view.

## G. Glass Assembly

### ⚠ WARNING



Handle glass doors with care.

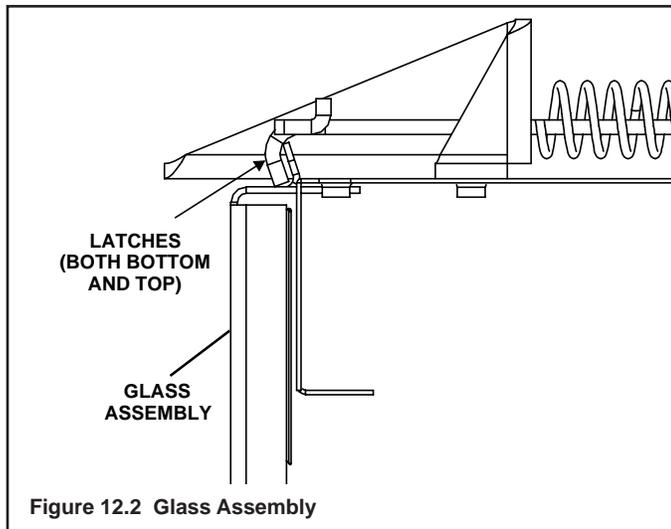
- Inspect the gasket to ensure it is undamaged.
- Inspect the glass for cracks, chips or scratches.
- Do NOT strike, slam or scratch glass.
- Any scratch in glass, requires replacement.
- Do NOT operate appliance with glass door removed, cracked, broken or scratched.
- Replace glass door assembly as a complete appliance.

### Removing Glass Assembly

Pull the four glass assembly latches out of the groove on the glass frame. Remove glass door from the appliance (see Figure 12.2).

### Replacing Glass Assembly

Replace the glass door on the appliance. Pull out and latch the four glass assembly latches into the groove on the glass frame.



## H. Screen Mesh

The screen mesh is a protective barrier and must be attached.

## I. Grilles and Trim

Install optional marble and brass trim surround kits as desired. Marble, brass, brick, tile, or other non-combustible materials can be used to cover up the gap between the sheet rock and the appliance.

Do not obstruct or modify the air inlet/outlet grilles or hood. When overlapping on both sides, leave enough space so that the bottom grille can be lowered and the trim door removed.

## J. Hood

Hood is included with the front and is required in all installations.

## K. Shutter Settings

	Shutter Settings
8000TV-OAK (NG)	1/4 inch
8000TV-OAK-IPI (NG)	1/4 inch
8000TVLP-OAKIPI	Fixed

# 13 Operating Instructions

## A. Before Lighting Appliance

Before lighting this appliance determine if it has a Standing Pilot or Intellifire ignition system by opening the control access panel to view wiring system and gas valve. If this appliance has a red or black ignitor button (see Figure 10.1) this appliance has a Standing Pilot ignition system. If there is no red or black ignitor button, this appliance has an Intellifire ignition system.

### CAUTION

If installing Intellifire ignition battery backup:

- Do not install batteries if the backup mode may not be used for extended time.
- Batteries may leak.
- Install batteries only when needed for power outage.

### Before operating this appliance have a qualified technician:

- Remove all shipping materials from inside and/or underneath the firebox.
- Review proper placement of logs, rockwool, lava rock, and vermiculite.
- Check the wiring.
- Check the air shutter adjustment.
- Ensure that there are no gas leaks.
- Ensure that the glass is sealed and in the proper position.
- Ensure that the flow of combustion and ventilation air is not obstructed (front grilles and vent caps).

### WARNING



Glass door must be in place when appliance is operating. Risk of:

- Combustion Fumes
- Fire



Do NOT operate appliance with glass door removed.

- Open viewing glass for servicing only.
- Glass door MUST be in place and sealed before operating appliance.
- Only use glass door certified for use with appliance.
- Glass replacement should be done by qualified technician.

### WARNING

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



#### HOT SURFACES!

Glass and other surfaces are hot during operation AND cool down.

#### Hot glass will cause burns.

- Do not touch glass until it is cooled
  - NEVER allow children to touch glass
  - Keep children away
- CAREFULLY SUPERVISE children in same room as fireplace.
  - Alert children and adults to hazards of high temperatures.

#### High temperatures may ignite clothing or other flammable materials.

- Keep clothing, furniture, draperies and other flammable materials away.

*This appliance has been supplied with an integral barrier to prevent direct contact with the fixed glass panel. Do NOT operate the appliance with the barrier removed.*

Contact your dealer or Hearth & Home Technologies if the barrier is not present or help is needed to properly install one.

### WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

## B. Check Appliance Draft

Check draft of appliance to verify proper venting conditions.

- Close all windows and doors, turn on all exhaust fans in home.
- Appliance is to be completely assembled to normal operating condition.
- Turn on appliance and allow to operate for at least 10 minutes.
- Check draft as shown in Figure 13.1. This can be done using a smoke or flame producing match.
- Hold lit match at bottom edge of draft hood opening and observe flame/smoke per the figure.

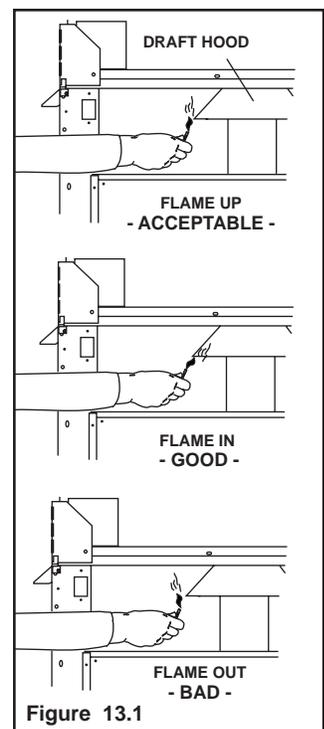


Figure 13.1

## C. Lighting Appliance

### IPI Ignition

#### FOR YOUR SAFETY READ BEFORE LIGHTING

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

- A.** This appliance is equipped with an intermittent pilot ignition (IPI) device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE LIGHTING,** 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 gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- C.** 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:

##### DO NOT CONNECT 110 VAC TO THE CONTROL VALVE.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

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

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

For additional information on operating your  
Hearth & Home Technologies fireplace, please refer to [www.fireplaces.com](http://www.fireplaces.com).

#### CAUTION:

Hot while in operation. Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

Do not operate the appliance with panel(s) removed, cracked or broken. Replacement of the panel(s) should be done by a licensed or qualified service person.

#### NOT FOR USE WITH SOLID FUEL

For use with natural gas and propane. A conversion kit, as supplied by the manufacturer, shall be used to convert this appliance to the alternate fuel.

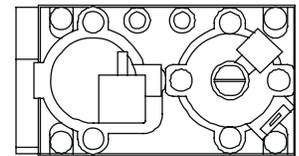
**Also Certified for Installation in a Bedroom or a Bedsitting Room.**

For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

#### LIGHTING INSTRUCTIONS (IPI)

1. Turn off all electric power to the appliance.
2. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

GAS  
VALVE



3. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information located on the left side of this label. If you don't smell gas, go to next step.
4. Turn on all electric power to the appliance.
5. To light the burner, flip the ON/OFF switch to the "ON" position. (The ON/OFF switch may include a wall switch if so equipped).
6. If the appliance will not operate, follow the instructions "To Turn Off Gas to Appliance" and call your service technician or gas supplier.

#### TO TURN OFF GAS TO APPLIANCE

1. Turn off all electric power to the appliance if service is to be performed.
2. Flip ON/OFF switch to the "OFF" position.

593-913D

Final inspection by \_\_\_\_\_

## FOR YOUR SAFETY READ BEFORE LIGHTING

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

- A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.
- B. **BEFORE LIGHTING**, 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 gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified 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.

### WARNING:

#### DO NOT CONNECT 110 VAC TO THE CONTROL VALVE.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

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

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

For additional information on operating your  
Hearth & Home Technologies fireplace, please refer to [www.fireplaces.com](http://www.fireplaces.com).

### CAUTION:

Hot while in operation. Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

Do not operate the appliance with panel(s) removed, cracked or broken. Replacement of the panel(s) should be done by a licensed or qualified service person.

#### NOT FOR USE WITH SOLID FUEL

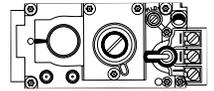
For use with natural gas and propane. A conversion kit, as supplied by the manufacturer, shall be used to convert this appliance to the alternate fuel.

**Also Certified for Installation in a Bedroom or a Bedsitting Room.**

For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

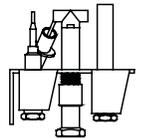
## LIGHTING INSTRUCTIONS

1. Turn off all electric power to the appliance.
2. Push in gas control knob slightly and turn clockwise to "OFF".



**NOTE:** Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

3. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information located on the left side of this label. If you don't smell gas, go to next step.
4. Find the pilot. The pilot is inside combustion chamber next to the main burner.
5. Turn knob on gas control counter clockwise to "PILOT".
6. Push in control knob all the way and hold in. Immediately depress red or black piezo button. It may require several depressions of the red or black piezo button until PILOT lights. If PILOT light does not light after 10 seconds, return to step 3. Continue to hold the control knob in for about one minute after the pilot is lit. Release knob and it will pop back out. Pilot should remain lit. If it goes out, repeat steps 3 through 6.



- If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
  - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
7. Turn gas control knob counterclockwise to "ON".
  8. To light Burner, flip the on/off switch to the "ON" position, and close access grille.
  9. Turn on all electric power to the appliance.

## TO TURN OFF GAS TO APPLIANCE

1. Turn off all electric power to the appliance if service is to be performed.
2. Open control access panel.
3. Move switch to "OFF" position.
4. Push in gas control knob slightly and turn clockwise to "OFF". Do not force.
5. Close control access panel.

464-903G

Final inspection by \_\_\_\_\_

## D. After Appliance is Lit

### Initial Break-in Procedure

When you light the appliance, you may notice that it produces heat which does have an associated odor or smell. If you feel this odor is excessive it may require the initial three to four hour continuous burn on high followed by a second burn up to 12 hours to fully drive off any odor from paint and lubricants used in the manufacturing process. Condensation of the glass is normal.

**NOTE:** The appliance should be run three to four hours on the initial start-up. Turn it off and let it cool completely. Remove and clean the glass. Replace the glass and run the appliance for an additional 12 hours. This will help to cure the products used in the paint and logs.

During this break-in period it is recommended that some windows in the house be opened for air circulation. This will help avoid setting off smoke detectors, and help eliminate any odors associated with the appliance's initial burning.

<b>⚠ WARNING</b>	
	<p>Fire Risk. High Temperatures. Keep combustible household items away from appliance. Do NOT obstruct combustion and ventilation air.</p> <ul style="list-style-type: none"> <li>• Do NOT place combustible items on top of or in front of appliance.</li> <li>• Keep furniture, draperies away from appliance.</li> </ul>

<b>CAUTION</b>	
<ul style="list-style-type: none"> <li>• Prevent accidental appliance operation when not attended.</li> <li>• Unplug or remove batteries from remote control if absent or if appliance will not be used for an extended period of time.</li> <li>• Property damage possible from elevated temperatures.</li> </ul>	

<b>CAUTION</b>	
<p>Smoke and odors released during initial operation.</p> <ul style="list-style-type: none"> <li>• Open windows for air circulation.</li> <li>• Leave room during initial operation.</li> <li>• Smoke may set off smoke detectors.</li> </ul> <p>Smoke and odors may be irritating to sensitive individuals.</p>	

<b>⚠ WARNING</b>	
	<p>Fire Hazard. Keep combustible materials, gasoline and other flammable vapors and liquids clear of appliance.</p> <ul style="list-style-type: none"> <li>• Do NOT store flammable materials in the appliance's vicinity.</li> <li>• Do NOT use gasoline, lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance.</li> <li>• Combustible materials may ignite.</li> </ul>

## E. Frequently Asked Questions

ISSUE	SOLUTIONS
Condensation on the glass	This is a result of gas combustion and temperature variations. As the appliance warms, this condensation will disappear.
Blue flames	This is a result of normal operation and the flames will begin to yellow as the appliance is allowed to burn for 20 to 40 minutes.
Odor from appliance	When first operated, this appliance may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing.
Film on the glass	This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 3 to 4 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner such as gas fireplace glass cleaner may be necessary. See your dealer.
Metallic noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the appliance.
Is it normal to see the pilot flame burn continually?	In an Intellifire ignition system it is normal to see the pilot flame, but it should turn off when ON/OFF is turned off. In a standing pilot system the pilot will always stay on.

# 14 Troubleshooting

With proper installation, operation, and maintenance your gas appliance will provide years of trouble-free service. If you do experience a problem, this troubleshooting guide will assist a qualified service person in the diagnosis of a problem and the corrective action to be taken. This troubleshooting guide can only be used by a qualified service technician.

## A. Standing Pilot Ignition System

Symptom	Possible Causes	Corrective Action
1. After repeated triggering of the red or black piezo ignitor button, the spark ignitor will not light the pilot.	a. Defective ignitor.	Check the spark at the electrode and pilot. If no spark and electrode wire is properly connected, replace the ignitor.
	b. Defective pilot or misaligned electrode (spark at electrode).	Using match, light the pilot. If the pilot lights, turn off the pilot and trigger the red piezo ignitor button again. If the pilot lights, an improper gas/air mixture caused the bad lighting and a longer purge period is recommended. If the pilot will not light, ensure the gap at the electrode and pilot is one-eighth (1/8) inch to have a strong spark. If the gap is OK, replace the pilot.
	c. No gas or low gas pressure.	Check the remote shut-off valves from the fireplace. Usually, there is a valve near the gas main. There can be more than one (1) valve between the fireplace and the main.
	d. No LP in tank.	Check the LP (propane) tank. You may be out of fuel.
2. The pilot will not stay lit after carefully following the lighting instructions.	a. Defective thermocouple.	Check that the pilot flame impinges on the thermocouple. Clean and/or adjust the pilot for maximum flame impingement.  Ensure that the thermocouple connection at the gas valve is fully inserted and tight (hand tighten plus 1/4 turn).  Disconnect the thermocouple from the valve, place one millivolt meter lead wire on the tip of the thermocouple and the other meter lead wire on the thermocouple copper lead. Start the pilot and hold the valve knob in. If the millivolt reading is less than 15mV, replace the thermocouple.
	b. Defective valve.	If the thermocouple is producing more than 15 millivolts, replace faulty valve.
3. The pilot is burning, there is no burner flame, the valve knob is in the ON position, and the ON/OFF switch is in the ON position.	a. ON/OFF switch or wires defective.	Check the ON/OFF switch and wires for proper connections. Place the jumper wires across the terminals at the switch. If the burner comes on, replace the defective switch. If the switch is OK, place the jumper wires across the switch wires at the gas valve. If the burner comes on, the wires are faulty or connections are bad.
	b. Thermopile may not be generating sufficient millivoltage.	If the pilot flame is not close enough physically to the thermopile, adjust the pilot flame.  Be sure the wire connections from the thermopile at the gas valve terminals are tight and that the thermopile is fully inserted into the pilot bracket.  Check the thermopile with a millivolt meter. Take the reading at TH-TP&TP terminals of the gas valve. The meter should read 325 millivolts minimum, while holding the valve knob depressed in the pilot position, with the pilot lit, and the ON/OFF switch in the OFF position. Replace the faulty thermopile if the reading is below the specified minimum.  With the pilot in the ON position, disconnect the thermopile leads from the valve. Take a reading at the thermopile leads. The reading should be 325 millivolts minimum. Replace the thermopile if the reading is below the minimum.

## Troubleshooting (continued)

Symptom	Possible Cause	Corrective Action
3. Continued	c. Defective valve.	Turn the valve knob to the ON position. Place the ON/OFF switch in the ON position. Check the millivolt meter at the thermopile terminals. The millivolt meter should read greater than 125mV. If the reading is acceptable, and if the burner does not come on, replace the gas valve.
	d. Plugged burner orifice.	Check the burner orifice for stoppage. Remove stoppage.
	e. Wall switch or wires are defective.	Follow the corrective action in Symptom and Possible Cause 1.a above. Check the switch and wiring. Replace where defective.
4. Frequent pilot outage problem.	a. Pilot flame may be too high or too low, or blowing out (high pressure), causing pilot safety to drop out.	Clean thermocouple and adjust the pilot flame for maximum flame impingement. Follow lighting instructions carefully.
5. The pilot and main burner extinguish while in operation.	a. No LP in tank.	Check the LP (propane) tank. Refill the fuel tank.
	b. Inner vent pipe leaking exhaust gases back into the system.	Check venting system for damage. Replace/repair improperly assembled pipe sections.
	c. Glass too loose and air tight packet leaks in corners after usage.	Replace glass panel assembly.
	d. Bad thermopile or thermocouple.	Replace if necessary.
	e. Improper vent cap installation.	Check for proper installation and freedom from debris or blockage.
6. Glass soots.	a. Flame impingement.	Adjust the log set so that the flame does not excessively impinge on it.
	b. Improper air shutter setting.	Adjust the air shutter located on the control panel.
	c. Debris around air shutter.	Inspect the opening at the base of the burner. <b>NO MATERIAL SHOULD BE PLACED IN THIS OPENING.</b>
7. Flame burns blue and lifts off burner.	a. Insufficient oxygen being supplied.	Ensure that the vent cap is installed properly and free of debris. Ensure that the vent system joints are tight and have no leaks.  Ensure that no debris has been placed at the base of, or in the area of the air holes in the center of the base pan beneath the burner.  Ensure that the glass is tightened properly on the unit, particularly on top corners.

## B. Intellifire Ignition System

Sympton	Possible Cause	Corrective Action
1. The ignitor/module makes noise, but no spark.	a. Incorrect wiring.	Verify "S" wire (white) for sensor and "I" wire (orange) for ignitor are connected to correct terminals on module and pilot assembly. Reversed wires at the module may cause system to make sparking noise, but spark may not be present at pilot hood.
	b. Loose connections or electrical shorts in the wiring.	Verify no loose connections or electrical shorts in wiring from module to pilot assembly. Rod closest to pilot hood should be ignitor. Verify connections underneath pilot assembly are tight; also verify connections are not grounding out to metal chassis, pilot burner, pilot enclosure, mesh screen if present, or any other metal object.
	c. Ignitor gap is too large.	Verify gap of ignitor to pilot hood. The gap should be approximately .17 inch or 1/8 inch.
	d. Faulty module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF Rocker switch or wall switch in ON position. Hold ground wire about 3/16 inch away from "I" terminal on module. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode.
2. Pilot won't light, there is no noise or spark.	a. Transformer installed correctly.	Verify that transformer is installed and plugged into module. Check voltage of transformer under load at spade connection on module with ON/OFF switch in ON position. Acceptable readings of a good transformer are between 3.2 and 2.8 volts AC.
	b. A shorted or loose connection in wiring configuration or wiring harness.	Remove and reinstall the wiring harness that plugs into module. Verify there is a tight fit. Verify pilot assembly wiring to module. Remove and verify continuity of each wire in wiring harness.
	c. Improper wall switch wiring.	Verify that 110/VAC power is "ON" to junction box.
	d. Module not grounded.	Verify black ground wire from module wire harness is grounded to metal chassis of appliance.
	e. Faulty module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF Rocker switch or wall switch in ON position. Hold ground wire about 3/16 inch away from "I" terminal on module. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode.
3. Pilot lights but continues to spark, and main burner will not ignite. (If the pilot continues to spark after the pilot flame has been lit, flame rectification has not occurred.)	a. A shorted or loose connection in sensor rod.	Verify all connections to wiring diagram in manual. Verify connections underneath pilot assembly are tight. Verify connections are not grounding out to metal chassis, pilot burner, pilot enclosure or screen if present, or any other metal object.
	b. Poor flame rectification or contaminated sensor rod.	Verify that flame is engulfing sensor rod. If the pilot assembly does not have a ground strap, consider installing one to increase flame rectification. Verify correct pilot orifice is installed and inlet gas specifications. Flame carries rectification current, not the gas. If flame lifts from pilot hood, the circuit is broken. A wrong orifice or too high an inlet pressure can cause pilot flame to lift. The sensor rod may be contaminated. Clean sensor rod with emery cloth.

## Intellifire Ignition System - (continued)

Symptom	Possible Cause	Corrective Action
3. (Continued) Pilot lights but continues to spark, and main burner will not ignite. (If the pilot continues to spark after the pilot flame has been lit, flame rectification has not occurred.)	c. Module is not grounded.	Verify that module is securely grounded to metal chassis of appliance. Verify that wire harness is firmly connected to module.
	d. Damaged pilot assembly or dirty sensor rod.	Verify that ceramic insulator around the sensor rod is not cracked, damaged, or loose. Verify connection from sensor rod to white sensor wire. Clean sensor rod with emery cloth to remove any contaminants that may have accumulated on sensor rod. Verify continuity with a multimeter with ohms set at lowest range.
	e. Faulty module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF Rocker switch or wall switch in ON position. Hold ground wire about 3/16 inch away from "I" terminal on module. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode.
4. Pilot sparks, but Pilot will not light.	a. Correct gas supply.	Verify that incoming gas line ball valve is "open". Verify that inlet pressure reading is within acceptable limits, inlet pressure must not exceed 14 in. W.C.
	b. Ignitor gap is too large.	Verify that spark gap from ignitor to pilot hood is .17 in. or 1/8 in.
	c. Module is not grounded.	Verify module is securely grounded to metal chassis of appliance.
	d. Module voltage output / Valve/Pilot solenoid ohms readings.	Verify battery voltage is at least 2.7 volts. Replace batteries if voltage is below 2.7.

# 15 Maintaining and Servicing Appliance

## A. Maintenance Tasks

Although the frequency of appliance servicing and maintenance will depend on use and the type of installation, a qualified service technician should perform an appliance checkup at the beginning of each heating season.

### WARNING

Risk of injury or property damage.

#### Before servicing:

- Turn off gas.
- Turn off electricity to appliance.
- Disable remote control, if one is present.
- Ensure appliance is completely cooled.

#### After servicing:

- Replace any screen or barrier that was removed.
- Reseal and reinstall any venting removed for servicing.

### WARNING

Annual inspection by qualified technician recommended.

#### Check:

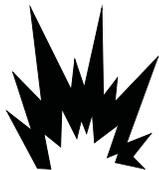
- Condition of doors, surrounds and fronts.
- Condition of glass, glass assembly and glass seal.
- Obstructions of combustion and ventilation air.
- Condition of logs.
- Condition of firebox.
- Burner ignition and operation.
- Burner air shutter adjustment
- Gas connections and fittings.
- Obstructions of termination cap.

#### Clean:

- Glass
- Air passageways, grilles, control compartment
- Burner, burner ports

#### Risk of:

- Fire
- Delayed ignition or explosion
- Exposure to combustion fumes
- Odors



### CAUTION



Handle glass assembly with care.

**NOTE:** Clean glass after initial 3-4 hours operation. **Longer operation without cleaning glass may cause a permanent white film on glass.**

#### When cleaning glass door:

- Avoid striking, scratching or slamming glass.
- Do NOT use abrasive cleaners.
- Use a hard water deposit glass cleaner on white film.
- Do NOT clean glass when hot.
- Turn off appliance after 3-4 hours of operation and **ALLOW TO COOL.**
- Remove and clean glass assembly.
- Replace glass assembly and operate appliance for additional 12 hours.

Refer to maintenance instructions.

### WARNING



Inspect external vent cap regularly.

- Ensure no debris blocks cap.



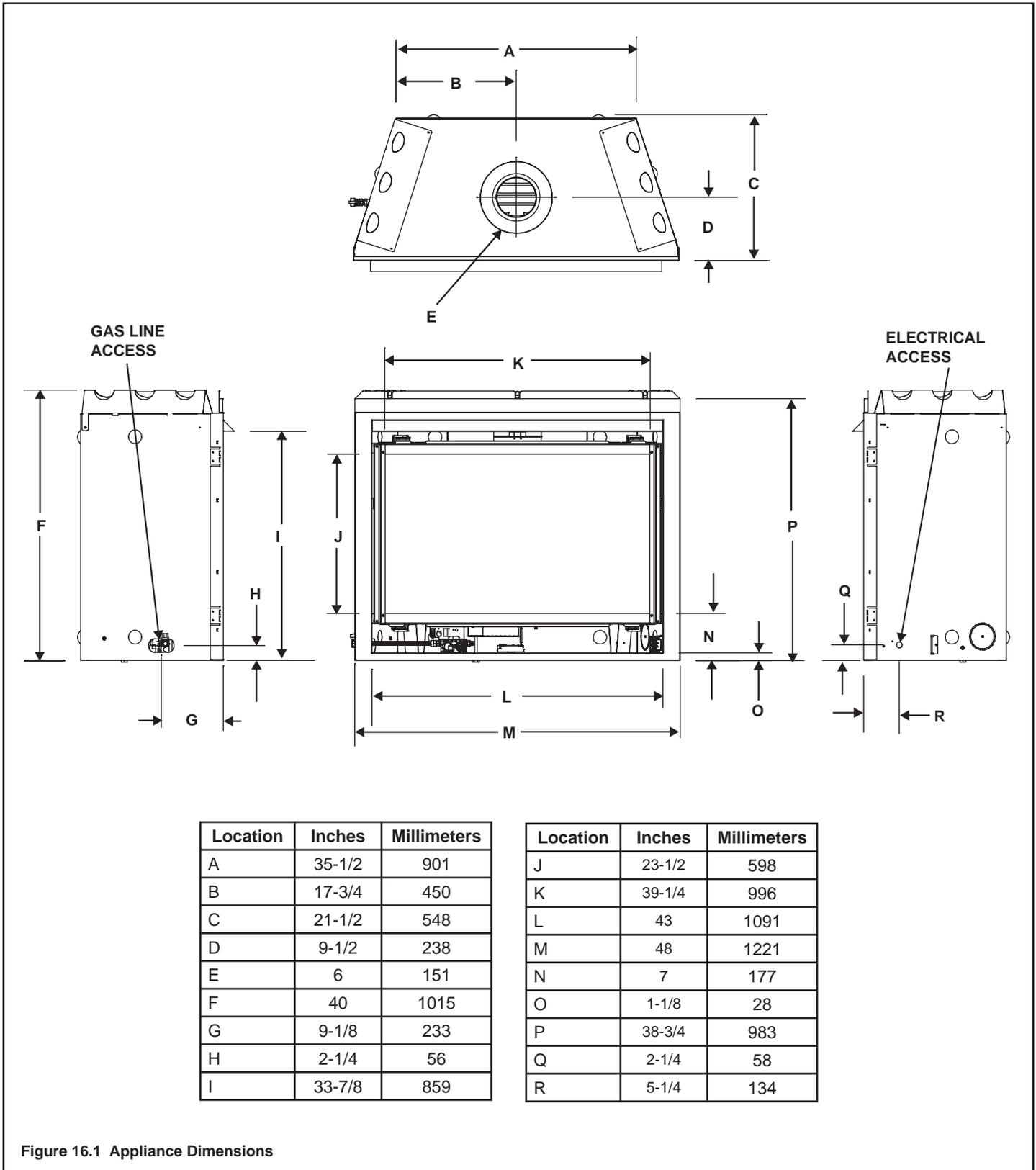
- Combustible materials blocking cap may ignite.
- Restricted air flow affects burner operation.

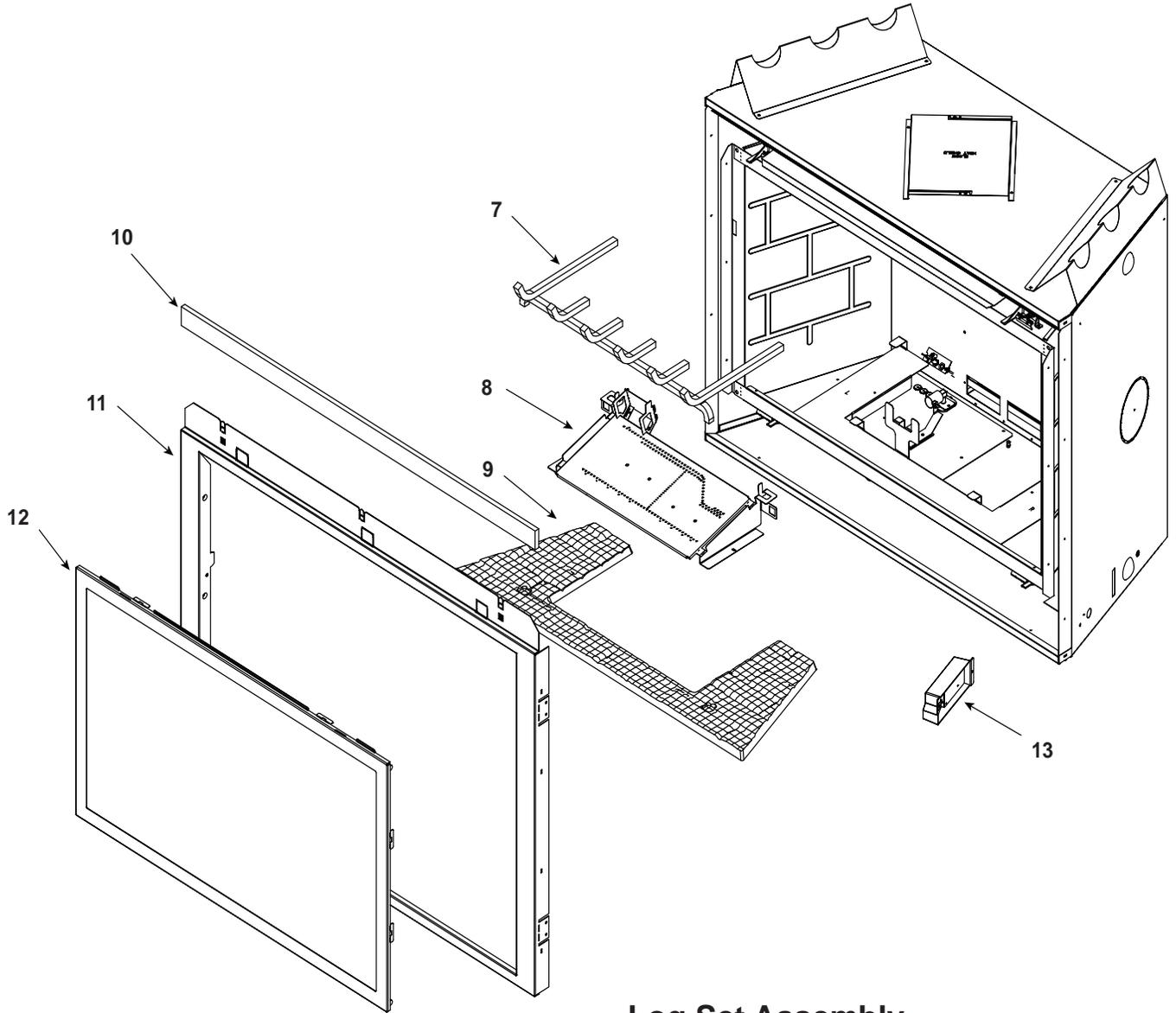
<b>Inspect</b>	<b>Maintenance Tasks</b>
Doors, Surrounds and Fronts	1. Assess condition of screen and replace as necessary. Recommend addition of screen if one is not present.
	2. Inspect for scratches, dents or other damage and repair as necessary.
	3. Verify no obstructions to airflow through the louvers.
	4. Verify maintenance of proper clearance to combustible household objects.
Gasket Seal, Glass Assembly and Glass	1. Inspect gasket seal and its condition.
	2. Inspect glass panels for scratches and nicks that can lead to breakage when exposed to heat.
	3. Confirm there is no damage to glass or glass frame. Replace as necessary.
	4. Verify that latches engage properly, clip studs are not stripped, and glass attachment components are intact and operating properly. Replace as necessary.
	5. Clean glass. Replace glass assembly if severely coated with silicate deposits that cannot be removed.
Valve Compartment and Firebox Top	1. Vacuum and wipe out dust, cobwebs, debris or pet hair. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
	2. Remove any foreign objects.
	3. Verify unobstructed air circulation.
Logs	1. Inspect for broken, damaged, or missing logs. Replace as necessary.
	2. Verify correct log placement and no flame impingement causing sooting. Correct as necessary.
Firebox	1. Inspect for paint condition, warpage, corrosion or perforation. Sand and repaint as necessary.
	2. Replace appliance if firebox has been perforated.
Burner Ignition and Operation	1. Verify burner is properly secured and aligned with pilot or igniter.
	2. Clean off burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.
	3. Replace ember materials with new dime-size and shape pieces. Do not block ports or obstruct lighting paths.
	4. Check for smooth lighting and ignition carryover to all ports. Verify there is no ignition delay.
	5. Inspect for lifting or other flame problems.
	6. Verify air shutter is clear of dust and debris.
	7. Inspect orifice for soot, dirt or corrosion.
	8. Verify manifold and inlet pressures. Adjust regulator as required.
	9. Inspect pilot flame strength. Clean or replace orifice as necessary.
	10. Inspect thermocouple/thermopile or IPI sensor rod for soot, corrosion and deterioration. Clean with emery cloth or replace as required.
	11. Verify millivolt output. Replace as necessary.
Venting	1. Inspect venting for blockage or obstruction such as bird nests, leaves, etc.
	2. Confirm that termination cap remains clear and unobstructed by plants, etc.
	3. Verify that termination cap clearance to subsequent construction (building additions, decks, fences or sheds) has been maintained.
	4. Inspect for corrosion or separation.
	5. Verify weather stripping, sealing and flashing remains intact.
	6. Inspect draft shield to verify it is not bent, damaged or missing.
Remote controls	1. Verify operation of remote.
	2. Replace batteries in remote transmitters and battery-powered receivers.
	3. Verify batteries have been removed from battery back-up IPI systems to prevent premature battery failure or leaking.

# 16 Reference Materials

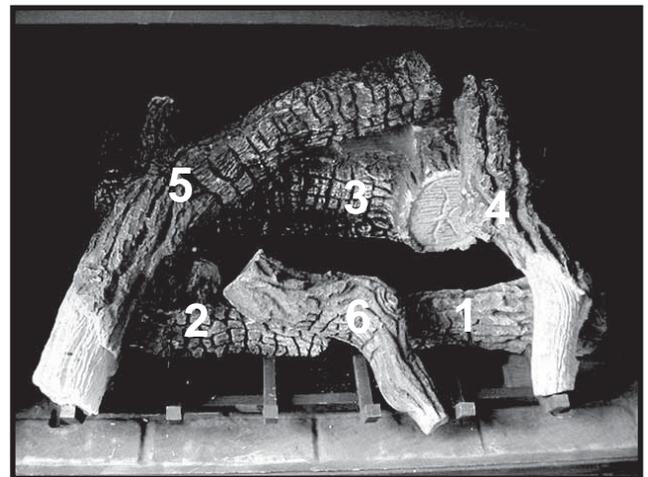
## A. Appliance Dimension Diagram

Dimensions are actual appliance dimensions. Use for reference only. For framing dimensions and clearances refer to Section 3.





### Log Set Assembly



Part number list on following page.

## B. Service Parts List

8000TV-OAK, 8000TV-OAK-IPI

IMPORTANT: THIS IS DATED INFORMATION, When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

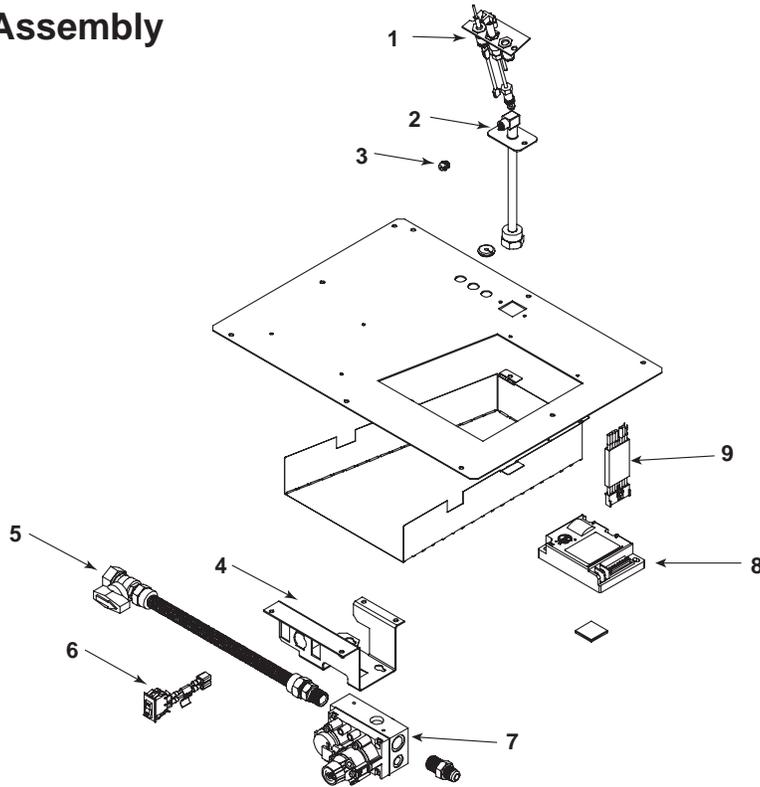


**Stocked  
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	Stocked at Depot
	Log Set Assembly		LOGS-8OAK	Y
1	Log 1		SRV2057-720	N
2	Log 2		SRV2057-721	N
3	Log 3		SRV2057-722	N
4	Log 4		SRV2057-723	N
5	Log 5		SRV2057-724	N
6	Log 6		SRV2057-725	N
7	Log Grate		2057-008	N
8	Burner NG		2058-006	Y
	Burner LP		2057-010	Y
9	Base Refractory		SRV2057-123	N
10	Insulation Board		380-401	N
11	Surround		380-130	N
12	Glass Door Assembly		GLA-950TR	Y
13	Junction Box		4021-013	Y
	Glass Latch Support		386-122A	Y
	High Temp Limit Switch		066-531	Y
	Mineral Wool		050-721	N
	Pilot Plate		2057-143	N
	Touch Up Paint		TUP-GBK-12	N
	Vermiculite Embers		MYSTIC-EMBERS	N
<b>Standing Pilot Ignition Only</b>				
	Conversion Kit NG	Pre 0021116948	NGK-8TROAK	Y
		Post 0021116948	NGKS-8TROAK	Y
	Conversion Kit LP	Pre 0021116948	LPK-8TROAK	Y
		Post 0021116948	LPKS-8TROAK	Y
	Regulator NG	Pre 0021116948	060-518	Y
		Post 0021116948	230-1570	Y
	Regulator LP	Pre 0021116948	060-519	Y
		Post 0021116948	230-1520	Y
	Pilot Orifice NG	Pre 0021116948	446-505	Y
		Post 0021116948	2103-116	Y
	Pilot Orifice LP	Pre 0021116948	446-517	Y
		Post 0021116948	2103-117	Y
<b>Intermittent Pilot Ignition Only</b>				
	Conversion Kit NG		NGK-8TROAK-IPI	Y
	Conversion Kit LP		LPK-8TROAK-IPI	Y
	Regulator NG		NGK-DXV	Y
	Regulator LP		LPK-DXV	Y
	Pilot Orifice NG	Pre 002927628	446-505	Y
		Post 002927628	593-528	Y
	Pilot Orifice LP	Pre 002927628	446-517	Y
		Post 002927628	593-527	Y

Additional service part numbers appear on following page

## IPI Valve Assembly



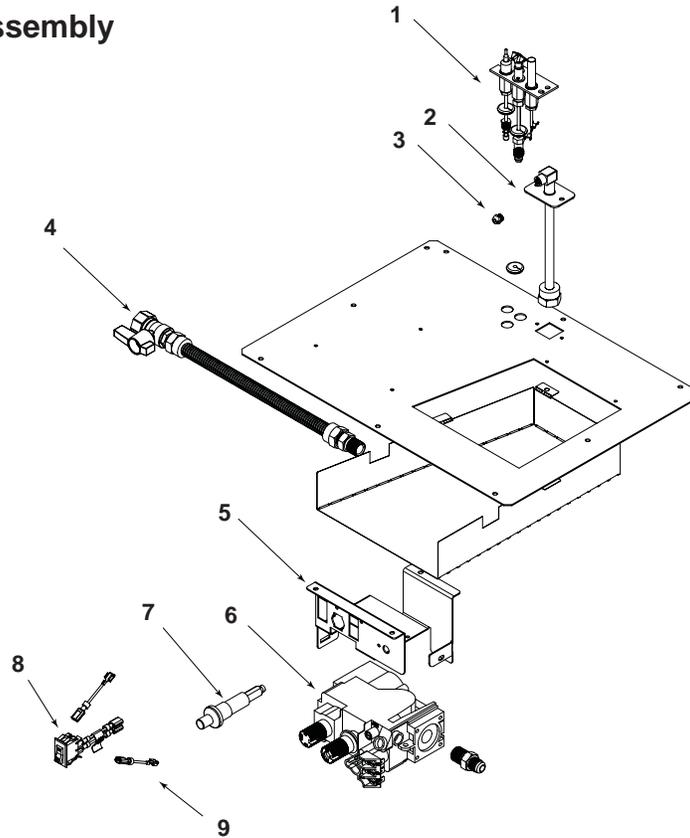
IMPORTANT: THIS IS DATED INFORMATION, When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.



**Stocked  
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Pilot Assembly NG	Pre 002927628	4021-025	Y
		Post 002927628	2090-012	Y
	Pilot Assembly LP	Pre 002927628	4021-026	Y
		Post 002927628	2090-013	Y
2	12" Flexible Gas Connector		383-302A	Y
3	Burner Orifice NG (#31C)		582-831	Y
	Burner Orifice LP (1.8mm)		582-818	Y
→ 4	Valve Bracket	Pre 002927628	2025-101	N
		Post 002927628	2118-104	N
5	Flex Ball Valve Assembly		302-320A	Y
6	ON/OFF Rocker Switch		060-521A	Y
7	Valve NG		750-500	Y
	Valve LP		750-501	Y
8	Module		593-592	Y
9	Wire Assembly		593-590A	Y
	Battery Pack		593-594A	Y
	3 Volt Transformer		593-593A	Y
	80"& 72" Wire Assembly		522-504A	Y

### Standing Pilot Valve Assembly



IMPORTANT: THIS IS DATED INFORMATION, When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.



**Stocked  
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Pilot Assembly NG	Pre 0021116948	485-510A	Y
		Post 0021116948	2103-010	Y
	Pilot Assembly LP	Pre 0021116948	485-511A	Y
		Post 0021116948	2103-011	Y
2	Flexible Gas Connector		383-302A	Y
3	Burner Orifice NG (#31C)		582-831	Y
			582-818	Y
4	Flex Ball Valve Assembly		302-320A	Y
5	Valve Bracket	Pre 0021116948	2025-101	N
		Post 0021116948	2118-104	N
6	Valve NG	Pre 0021116948	060-522	Y
		Post 0021116948	230-0710	Y
	Valve LP	Pre 0021116948	060-523	Y
		Post 0021116948	230-0720	Y
7	Piezo Ignitor		291-513	Y
8	ON/OFF Rocker Switch		060-521A	Y
9	Wire Assembly		049-552A	Y
	80" Wire Assembly		522-503A	Y

## C. Limited Lifetime Warranty

### LIMITED LIFETIME WARRANTY HEAT & GLO GAS APPLIANCE PRODUCTS

**HEAT & GLO**

No one builds a better fire

**BASIC ONE-YEAR WARRANTY.** HEAT & GLO, a brand of HEARTH & HOME TECHNOLOGIES INC., located at 20802 Kensington Boulevard, Lakeville, MN 55044, ("HEAT & GLO") warrants to the original owner that your new HEAT & GLO Gas Appliance (the "Product") will be free from defects in materials and workmanship for a period of one year from the date of installation. During the first year, HEAT & GLO will replace or repair, at its discretion, any defective components at its sole cost and expense, including payment of all reasonable labor costs incurred in replacing or repairing such components. This basic warranty is subject to the conditions, exclusions and limitations described below.

**EXTENDED LIFETIME COVERAGE.** HEAT & GLO warrants that the firebox, heat exchanger, log(s), and burner will not be defective in material or workmanship during the period the Product is owned by the original owner, subject to the following conditions, exclusions and limitations described below.

#### CONDITIONS, EXCLUSIONS AND LIMITATIONS:

1. This warranty applies to the original owner only and is nontransferable.
2. This warranty applies only to Products installed in the United States of America or Canada.
3. This warranty is limited to the replacement or repair of defective components or workmanship and HEAT & GLO may fully discharge all obligations under this warranty by repairing or replacing, at its discretion, the defective components. The maximum amount recoverable under this warranty is limited to the purchase price of the Product and, if HEAT & GLO is unable to provide replacement or repair in an expedient and cost-effective manner, HEAT & GLO may discharge all obligations under this warranty by refunding the purchase price of the Product. **IN NO EVENT SHALL HEAT & GLO BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY DEFECTS IN THE PRODUCT.**
4. Any labor and related repair charges relating to the costs and expenses of replacing or repairing defective components under the Limited Lifetime Warranty are not covered by this warranty, except as provided for under the Basic One-Year Warranty.
5. Components and parts made by other manufacturers, whether sold with the Product or added thereafter, are NOT covered by this warranty unless expressly authorized and approved by HEAT & GLO in writing.
6. Any damages caused by environmental conditions, inadequate ventilation or drafting caused by tight sealing construction of the structure, air handling devices such as exhaust fans or forced air furnaces, or other such causes are not covered by this warranty.
7. This warranty will be void if:
  - a) The Product is not installed, operated and maintained in compliance with local building codes and with the instructions in the Installer's Guide, Owner's Guide and Listing Agent Identification Label furnished with the Product.
  - b) Any parts or components made by other manufacturers are added or used in the Product, unless expressly authorized and approved by HEAT & GLO in writing.
  - c) Any service work is performed on the Product by anyone other than an authorized HEAT & GLO representative.
  - d) The Product is damaged due to shipping, improper handling, accident, abuse or misuse.
  - e) Fuels other than those specified in the Installer's Guide and Owner's Guide are used.
  - f) Modification was made to the Product which was not expressly authorized and approved by HEAT & GLO in writing.

**EXCEPT TO THE EXTENT PROVIDED BY LAW, HEAT & GLO MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO THE DURATION OF THE WARRANTY SPECIFIED ABOVE.**

Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, so those limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

If warranty service is needed you should contact your installing dealer and if the installing dealer is unable to provide necessary parts or components, contact the nearest authorized HEAT & GLO dealer or supplier.

#### NOTES TO CUSTOMER:

1. In order to insure proper installation, operation and maintenance HEAT & GLO strongly recommends annual servicing by an authorized HEAT & GLO dealer.
2. Please complete this information and retain this warranty in a safe place for future reference: Installation Date: \_\_\_\_\_  
Model #: \_\_\_\_\_ Serial #: \_\_\_\_\_ Installing Contractor: \_\_\_\_\_
3. HEAT & GLO reserves the right to make changes at any time, without notice, in design, material, specifications and prices of the Product. HEAT & GLO also reserves the right to discontinue styles and products.

