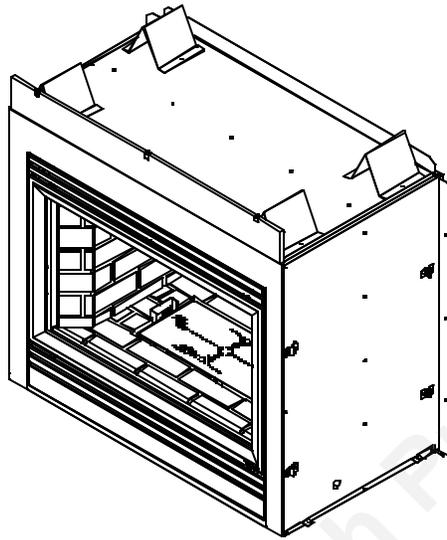


**Model:
Twilight**

Installers Guide



Underwriters
Laboratories Listed

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.

READ THIS MANUAL BEFORE INSTALLING OR OPERATING THIS APPLIANCE. THIS *INSTALLERS GUIDE* MUST BE LEFT WITH APPLIANCE FOR FUTURE REFERENCE.

WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THIS MANUAL. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY, OR THE GAS SUPPLIER.

1. This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes.
2. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

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Heat-N-Glo Lifestyle Products,
a brand of Hearth & Home Technologies Inc.
20802 Kensington Boulevard, Lakeville, MN 55044

Please contact your Heat-N-Glo Lifestyle Products dealer with any questions or concerns. For the number of your nearest Heat-N-Glo Lifestyle Products dealer, please call 1-888-427-3973.

This product is covered by one or more of the following patents: (United States) 4,112,913; 4,408,594; 4,422,426; 4,424,792; 4,520,791; 4,793,322; 4,852,548; 4,875,464; 5,000,162; 5,016,609; 5,076,254 5,191,877; 5,218,953; 5,328,356; 5,429,495; 5,452,708; 5,542,407; 5,613,487; (Australia) 543790; 586383; (Canada) 1,123,296; 1,297,746; 2,195,264; (Mexico) 97-0457; (New Zealand) 200265; or other U.S. and foreign patents pending.

SAFETY AND WARNING INFORMATION

 **READ** and **UNDERSTAND** all instructions carefully before starting the installation. **FAILURE TO FOLLOW** these installation instructions may result in a possible fire hazard and will void the warranty.

 Prior to the first firing of the fireplace, **READ** the Using Your Fireplace section of the *Owners Guide*.

 **DO NOT USE** this appliance if any part has been under water. Immediately **CALL** a qualified service technician to inspect the unit and to replace any part of the control system and any gas control which has been under water.

 **THIS UNIT IS NOT FOR USE WITH SOLID FUEL.**

 Installation and repair should be **PERFORMED** by a qualified service person. The appliance and venting system should be **INSPECTED** before initial use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is **IMPERATIVE** that the unit's control compartment, burners, and circulating air passageways **BE KEPT CLEAN** to provide for adequate combustion and ventilation air.

 Always **KEEP** the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

 **NEVER OBSTRUCT** the flow of combustion and ventilation air. Keep the front of the appliance **CLEAR** of all obstacles and materials for servicing and proper operations.

 Due to the high temperature, the appliance should be **LOCATED** out of traffic areas and away from furniture and draperies. Clothing or flammable material **SHOULD NOT BE PLACED** on or near the appliance.

 Children and adults should be **ALERTED** to the hazards of high surface temperature and should **STAY AWAY** to avoid burns or clothing ignition. Young children should be **CAREFULLY SUPERVISED** when they are in the same room as the appliance.

 This gas fireplace and vent assembly **MUST** be vented directly to the outside and **MUST NEVER** be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance **MUST USE** a separate vent system. Common vent systems are **PROHIBITED**.

 **INSPECT** the external exhaust vent on a regular basis to make sure that no debris is interfering with the air flow.

 The glass door assembly **MUST** be in place and sealed, and the trim door assembly **MUST** be in place on the fireplace before the unit can be placed into safe operation.

 **DO NOT OPERATE** this appliance with the glass door removed, cracked, or broken. Replacement of the glass door should be performed by a licensed or qualified service person. **DO NOT** strike or slam the glass door.

 The glass door assembly **SHALL ONLY** be replaced as a complete unit, as supplied by the gas fireplace manufacturer. **NO SUBSTITUTE** material may be used.

 **DO NOT USE** abrasive cleaners on the glass door assembly. **DO NOT ATTEMPT** to clean the glass door when it is hot.

 Turn off the gas before servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.

 Any safety screen or guard removed for servicing must be replaced before operating this appliance.

 **DO NOT** place furniture or any other combustible household objects within 36 inches of the fireplace front.

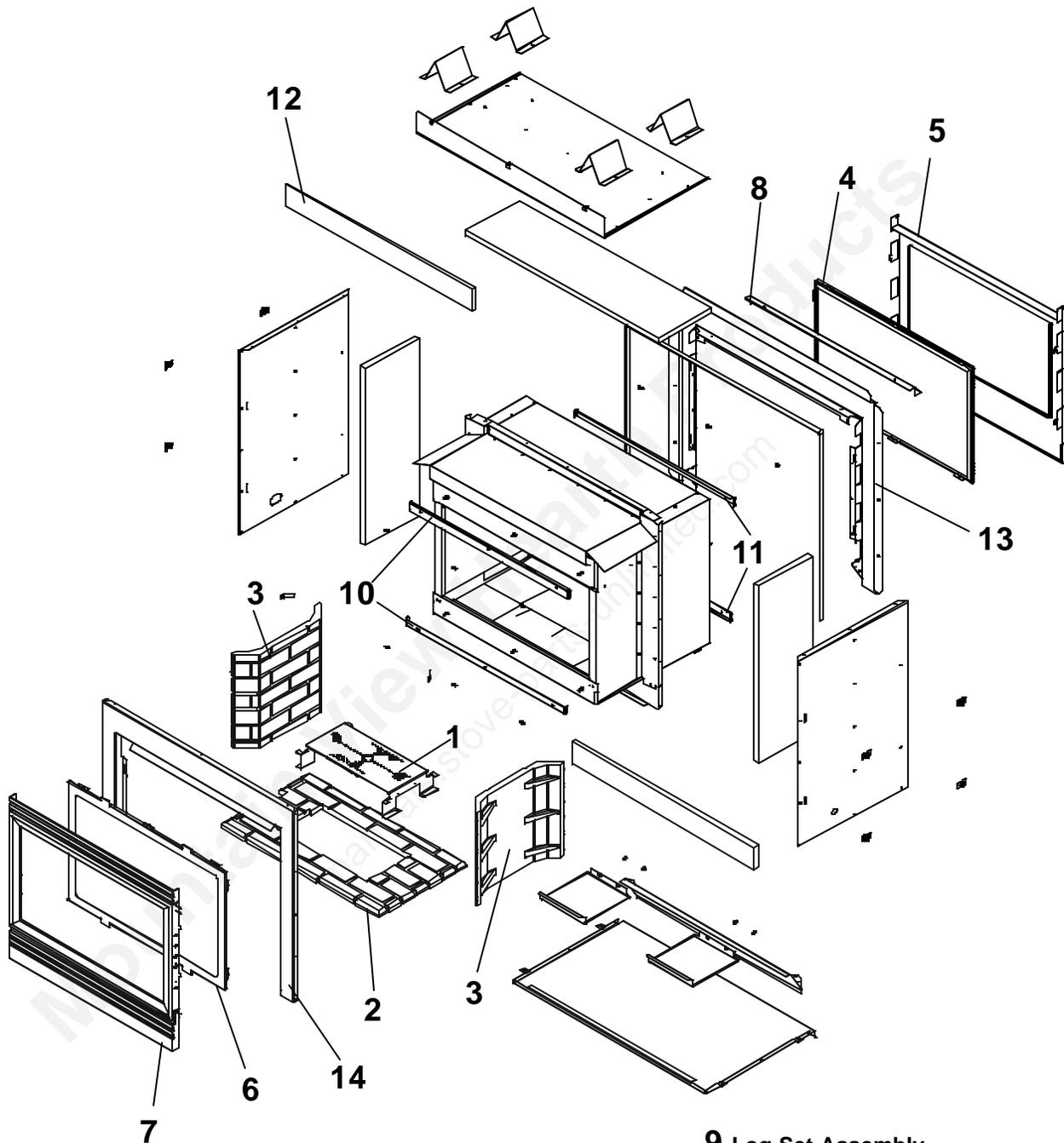
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◆ = Contains updated information.

(NG, LP) Exploded Parts Diagram
(GN, PL) Vue éclatée des pièces

Beginning Manufacturing Date: 8-01
Ending Manufacturing Date: _____



9 Log Set Assembly



- * Part number list on following page.
- * La liste des numéros de pièce se trouve à la page suivante.

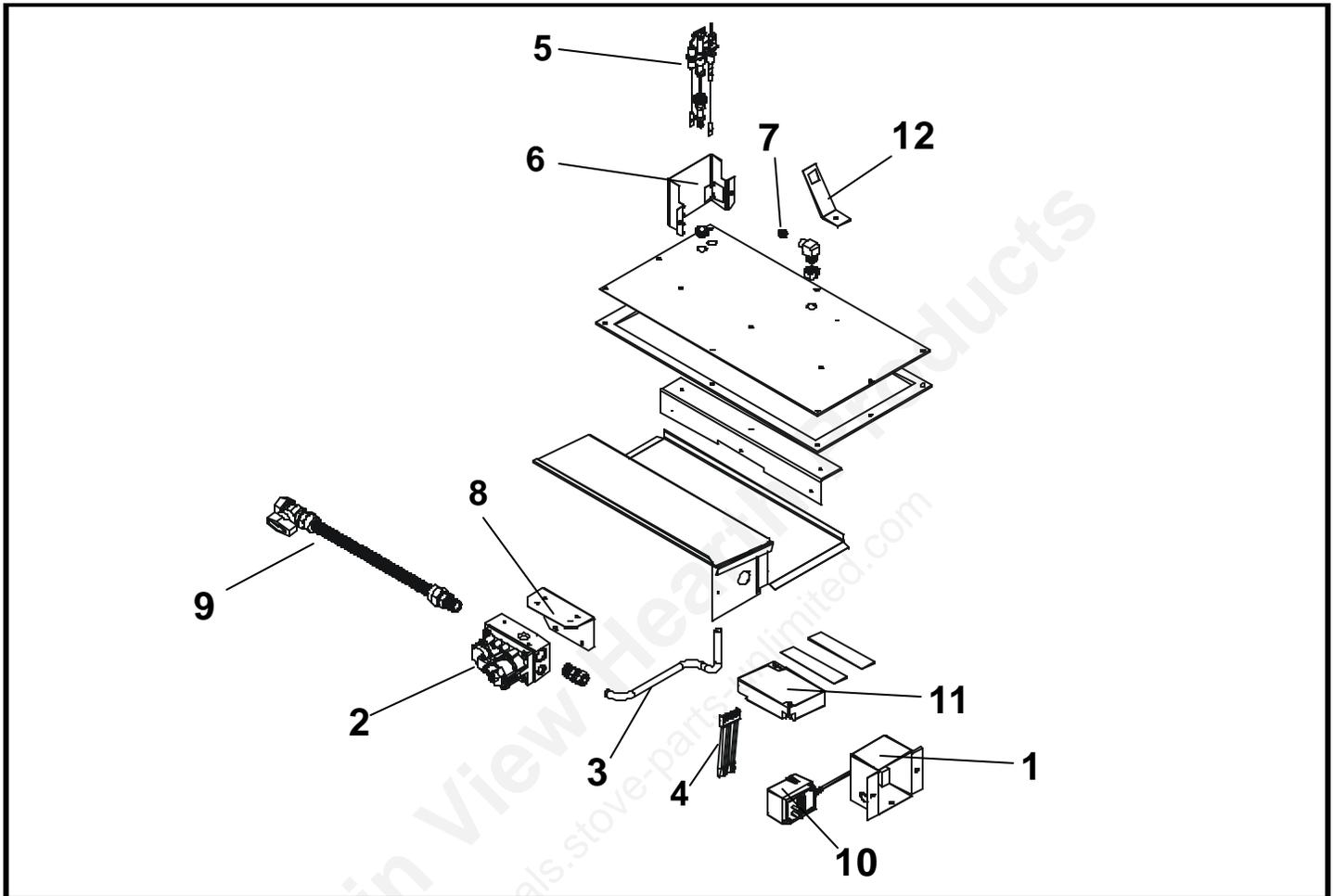
IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers VIP site. When ordering, supply serial and model numbers to ensure correct service parts. / **IMPORTANT :** L'information fournie dans cette brochure n'est valide que pendant une courte période. Les sites VIP des distributeurs disposent des renseignements les plus récents. Lors d'une commande, veuillez fournir les numéros de série et de modèles pour un remplacement adéquat des pièces.

ITEM / PIÈCE	DESCRIPTION	SERIAL # / N° DE SÈRIE	PART # / N° DE PIÈCE
INTERMITTENT PILOT IGNITION PARTS / PARTIES D'IGNITION PILOTES INTERMITTENTES			
1	Burner Assembly NG / Brûleur GN		674-176A
1	Burner Assembly LP / Brûleur PL		674-175A
2	Base Refractory / Base réfractaire		SRV504-738-UM
3	Refractory, Side / Réfractaire, côté		SRV504-737-UM
4	Outdoor Glass Assembly / Assemblée extérieure de verre		GLA-OUTDOOR
5	Outdoor Door Assembly / Assemblée de Porte Extérieure		674-180
6	Indoor Glass Assembly / Assemblée de verre d'intérieur		GLA-INDOOR
7	Indoor Door Assembly / Assemblée de Porte D'intérieur		DF-36H
8	Hood / Hotte		SRV674-174
9	Log Set Assembly (Sold as a Set Only) / Jeu de Bûches	PRE 002253964 POST 002253964	LOGS-MS LOGS-TWILIGHT
10	Glass Clip Indoor / Agrafe de Verre D'intérieur		674-138
11	Glass Clip Outdoor / Agrafe de Verre Extérieure		674-137
12	Insulation Board / Conseil d'Isolation		674-452
13	Outside Surround / Entourez à l'extérieur		674-130
14	Inside Surround / Entourez à l'intérieur		674-131
	Flashing Corner Cover / Projection de Couverture de Coin		674-169
	Mesh Assembly / Écran		MESH-36
ACCESSORIES / ACCESSOIRES			
	Remote Control Kit / Module de commande à distance		RC-SMART-HNG
	Remote Control Kit / Module de commande à distance		SMART-STAT-HTL
	Remote Control Kit / Module de commande à distance		RC-SMART-HTL
	Conversion Kit NG / Module de conversion GN		NGK-STIO
	Conversion Kit LP / Module de conversion PL		LPK-STIO
	Wall Switch Kit, Off-white / Interrupteur mural, blanc crème		WSK-21-HTI
	Wall Switch Kit, White / Interrupteur mural, blanc		WSK-21-W-HTI
	Spud LP / Pioche LP		446-517
	Spud NG / Pioche NG		446-505

Also see following pages for additional valve assembly service part numbers.

(NG, LP) Exploded Parts Diagram
(GN, PL) Vue éclatée des pièces

Beginning Manufacturing Date: 8-01
Ending Manufacturing Date: _____



ITEM / PIÈCE	DESCRIPTION	SERIAL # / N° DE SÉRIE	PART NUMBER / N° DE PIÈCE
1	Junction Box / Boîtier de dérivation		100-250A
2	Valve NG (30 Sec) / Valve (30 Sec) GN		593-500
2	Valve LP (30 Sec) / Valve (30 Sec) PL		593-501
3	Flexible Gas Connector / Tuyau à gaz flexible		477-301A
4	Wire Assembly / Module de fil		593-590A
5	Pilot Assembly NG / Module de veilleuse GN		385-510A
5	Pilot Assembly LP / Module de veilleuse PL		385-511A
6	Pilot Bracket / Parenthèse Pilote		674-164
7	Burner Orifice (NG) (#31C) / Orifice de brûleur (GN) (#31C)		582-831
7	Burner Orifice (LP) (1.8mm) / Orifice de brûleur (PL) (1.8mm)		582-818
8	Valve Bracket / Parenthèse de Valve		674-167
9	Flex Ball Valve Assembly / Fléchir l'Assemblée de Soupape de Balle		302-320A
10	3V Adaptor / 3V Bouchon d'adaptateur		593-593A
11	Control Module / Module de commande		593-592
12	Orifice Bracket / Parenthèse d'Orifice		674-110
	Battery Pack / Paquet de Batterie(Pile)		593-594A

1

Approvals and Codes

Appliance Certification

The Heat-N-Glo Lifestyle Products fireplace models discussed in this *Installers Guide* have been tested to certification standards and listed by the applicable laboratories.

Certification

MODEL: Twilight

LABORATORY: Underwriters Laboratories

TYPE: Direct Vent Gas Fireplace

STANDARD: ANSI Z21.50•CGA2.22
ANSI Z21.50b-2000•CSA2.22b-2000

EXTERIOR WINDOW PERFORMANCE STANDARDS

LABORATORY: Stork Twin City Testing

STANDARD: ANSI/AAMA/NWWDA 101/I.S. 2-97

PERFORMANCE GRADES: F-R30* (45x37)
F-LC30* (45x37)

Air leakage does not exceed 0.3 cfm per square foot at pressure differential of 1.57 lb per square foot per ASTM E283-91.

The structural test pressure for wind loading calculations exceeds the F-R/LC30 performance grade withstanding design pressure of 50 lb per square foot as tested per ASTM E330-96.

The Twilight has been carefully engineered to provide a unique fireplace experience. Since it is different than any other product on the market, care must be taken when installing this fireplace so that our customer does not experience undesirable performance or conditions.

1. Install the fireplace according to this Installer's Guide paying particular attention to flashing and sealing instructions.
2. In the cold northern climates pay attention to exposures and prevailing wind conditions when locating the fireplace, the same as you would for locating exterior windows and doors.

The Twilight has the thermal characteristics of a high quality window system. Temperatures near the fireplace will be cooler than what is realized with a fully insulated wall.

Operation of the fireplace will eliminate any cool drafts and will provide the room with a comfortable ambiance.

Installation Codes

The fireplace installation must conform to local codes. Before installing the fireplace, consult the local building code agency to ensure that you are in compliance with all applicable codes, including permits and inspections.

In the absence of local codes, the fireplace installation must conform to the National Fuel Gas Code ANSI Z223.1 (in the United States) or the CAN/CGA-B149 Installation Codes (in Canada). The appliance must be electrically grounded in accordance with local codes or, in the absence of local codes with the National Electric Code ANSI/NFPA No. 70 (in the United States), or to the CSA C22.1 Canadian Electric Code (in Canada).

These models may be installed in a bedroom or bed-sitting room in the U.S.A. and Canada.

High Altitude Installations

U.L. Listed gas appliances are tested and approved without requiring changes for elevations from 0 to 2,000 feet in the U. S. A. and in Canada.

When installing this appliance at an elevation above 2,000 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 4,500 feet (in Canada), check with local authorities.

2

Getting Started

Introducing the Heat-N-Glo Lifestyle Products Gas Fireplaces

Heat-N-Glo Lifestyle Products direct vent gas fireplaces are designed to operate with all combustion air siphoned from outside of the building and all exhaust gases expelled to the outside.

The information contained in this *Installers Guide*, unless noted otherwise, applies to all models and gas control systems. Gas fireplace diagrams, including the dimensions, are shown in this section.

Pre-install Preparation

This gas fireplace and its components are tested and safe when installed in accordance with this *Installers Guide*. Report to your dealer any parts damaged in shipment, particularly the condition of the glass. **Do not install any unit with damaged, incomplete, or substitute parts. Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit. Failure to follow these instructions will void the owner's warranty and may present a fire hazard.**

The Heat-N-Glo Lifestyle Products Warranty will be voided by, and Heat-N-Glo Lifestyle Products disclaims any responsibility for, the following actions:

- Installation of any damaged fireplace.
- Modification of the fireplace vent system.
- Installation other than as instructed by Heat-N-Glo Lifestyle Products.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not manufactured and approved by Heat-N-Glo Lifestyle Products, notwithstanding any independent testing laboratory or other party approval of such component part or accessory.

ANY SUCH ACTION MAY POSSIBLY CAUSE A FIRE HAZARD.

When planning a fireplace installation, it's necessary to determine:

- Where the unit is to be installed.
- Gas supply piping.
- Electrical wiring.
- Framing and finishing details.
- Whether optional accessories—devices such as a wall switch or remote control—are desired.

If the fireplace is to be installed on carpeting or tile, or on any combustible material other than wood flooring, the fireplace should be installed on a metal or wood panel that extends the full width and depth of the fireplace.

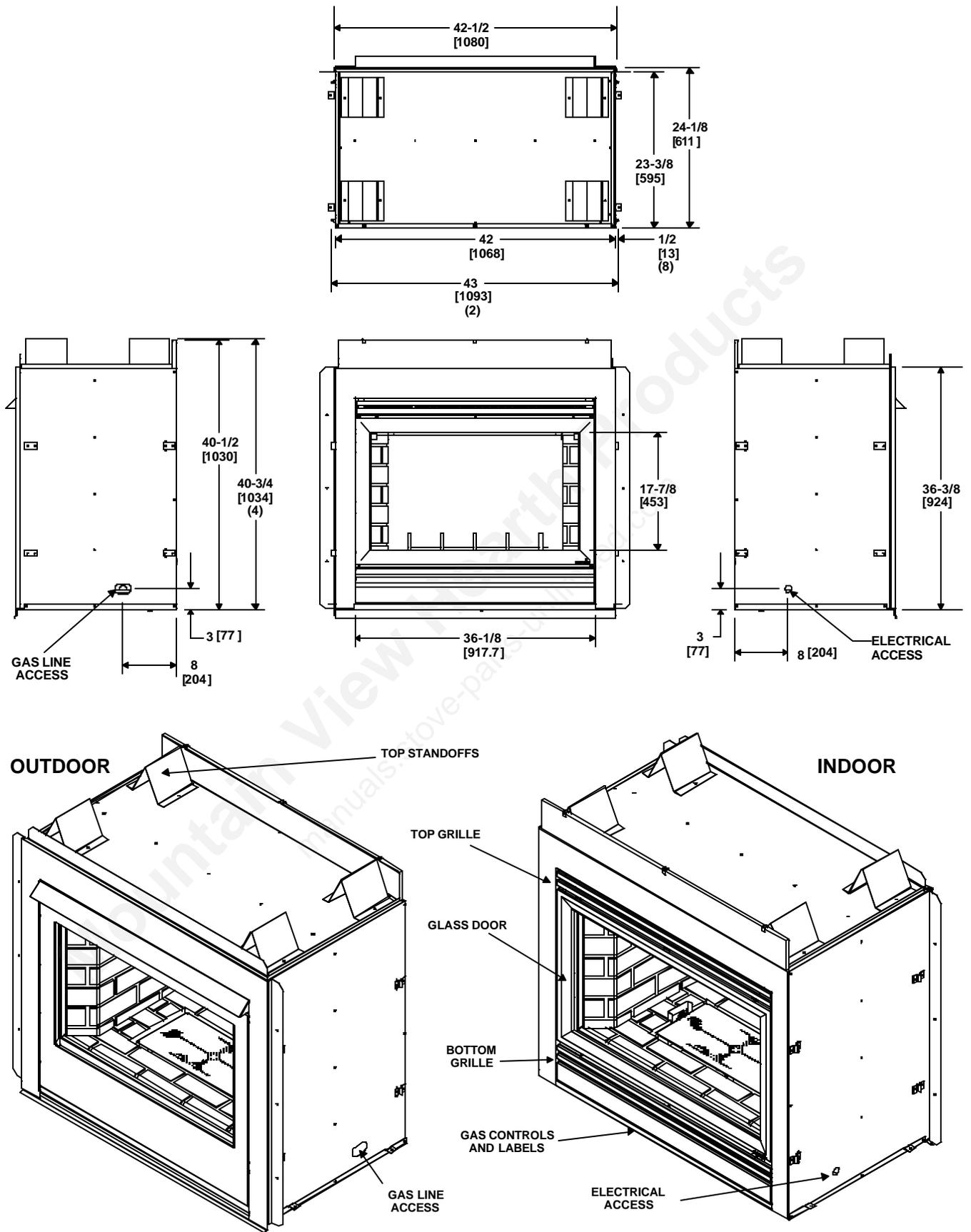


Figure 1.
Diagram of the Twilight (Dimensions in brackets are millimeters).

3

Installing the Fireplace

In cold northern climates pay attention to exposures and prevailing wind conditions when locating the fireplace, the same as you would for locating exterior windows and doors.

The Twilight has the thermal characteristics of a high quality window system. Temperatures near the fireplace will be cooler than what is realized with a fully insulated wall.

Step 1. Locating the Fireplace

The diagram below shows space and clearance requirements for locating a fireplace within a room. **THE FIREPLACE MUST BE LOCATED FLUSH WITH THE OUTSIDE OF AN EXTERIOR WALL!**

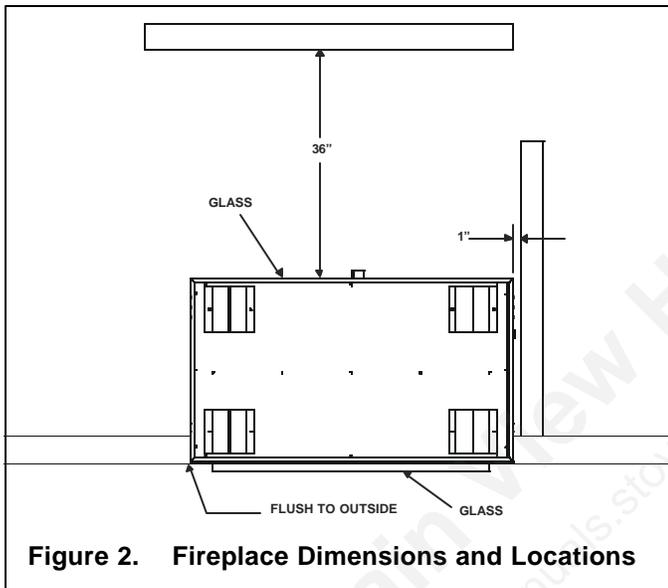


Figure 2. Fireplace Dimensions and Locations

Clearance Requirements

The top and sides of the fireplace are defined by stand-offs. The minimum clearance for the indoor side to a perpendicular wall extending past the face of the fireplace is one inch (25 mm). The metal ends of the fireplace may **NOT** be recessed into combustible construction.

WARNING: TO PREVENT CONTACT WITH SAGGING OR LOOSE INSULATION, THE FIREPLACE MUST NOT BE INSTALLED AGAINST VAPOR BARRIERS OR EXPOSED INSULATION. LOCALIZED OVERHEATING COULD OCCUR AND A FIRE COULD RESULT.

Outdoor Minimum Clearances from the Fireplace to Combustible Materials		
	Inches	mm
Glass	36	914
Floor	0	0
Sides*	12	305
Top*	12	305
Overhang (non-vinyl)	31	787
Overhang (vinyl)	60	1524

*NOTE: Clearance to sides and top are 36" when vinyl siding is used.

Indoor Minimum Clearances from the Fireplace to Combustible Materials		
	Inches	mm
Glass	36	914
Floor	0	0
Metal Sides	1/2	13
Top	4 1/2	114
Ceiling*	31	787

* The clearance to the ceiling is measured from the top of the unit, excluding the standoffs (see Figure 9).

The distance from the unit to combustible construction is to be measured from the unit outer wrap surface to the combustible construction, **NOT** from the screw heads that secure the unit together.

Step 2. Framing the Fireplace

Fireplace framing can be built before or after the fireplace is set in place. Framing should be positioned to accommodate wall coverings and fireplace facing material. The diagram below shows framing reference dimensions.

CAUTION: MEASURE FIREPLACE DIMENSIONS AND VERIFY FRAMING METHODS AND WALL COVERING DETAILS BEFORE FRAMING.

WARNING: FRAMING DIMENSIONS ASSUME USE OF 1/2 INCH THICK WALL COVERING MATERIALS ON EXTERIOR OF FRAMING ONLY AND NO SHEETROCK ON INTERIOR OF FRAMING.

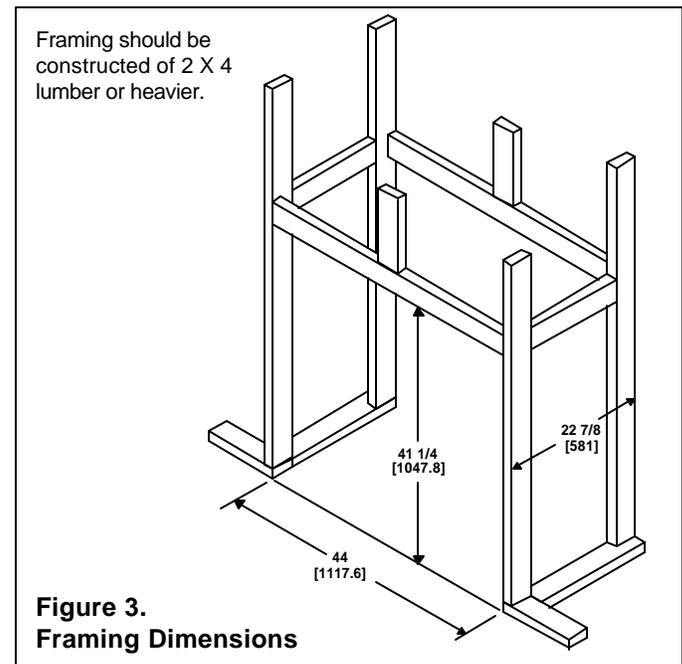
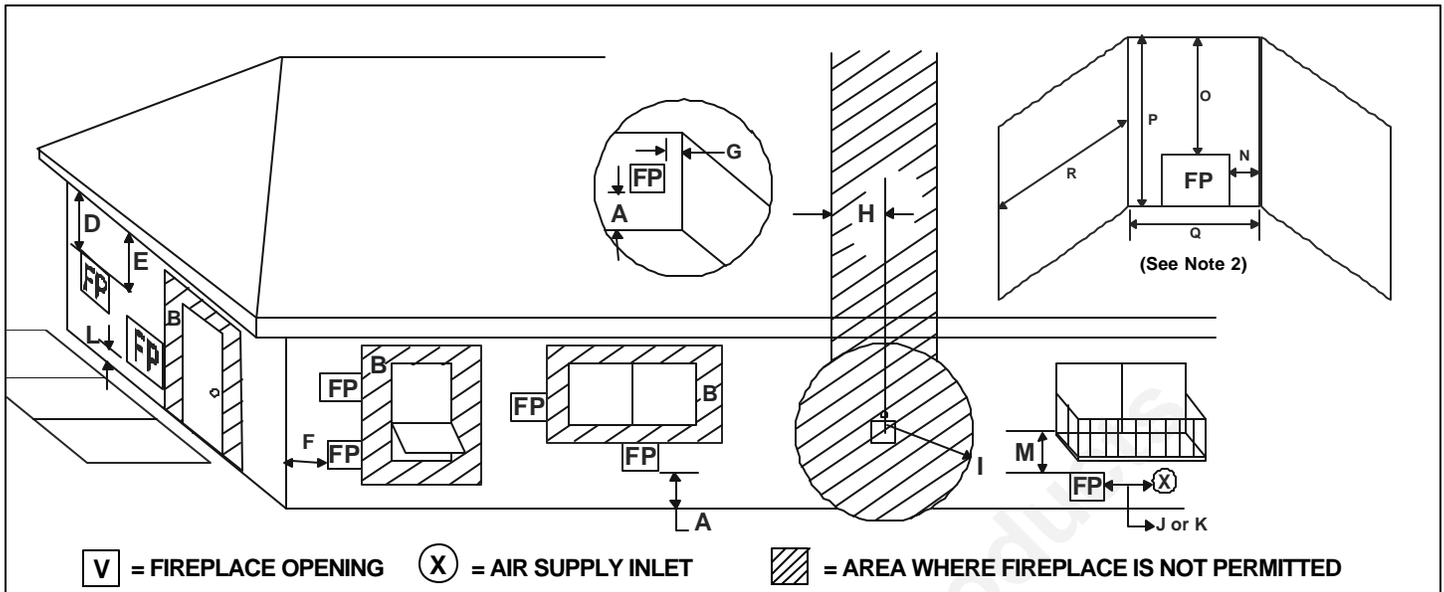


Figure 3. Framing Dimensions



V = FIREPLACE OPENING **X** = AIR SUPPLY INLET = AREA WHERE FIREPLACE IS NOT PERMITTED

- | | |
|---|---|
| <p>A = 0" clearances above grade, veranda, porch, deck or balcony
(See Note 1)</p> <p>B* = 12" clearances to window or door that may be opened, or to permanently closed window.</p> <p>D** = 31" vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal</p> <p>E** = 31" clearance to unventilated soffit</p> <p>F = 9" clearance to outside corner</p> <p>G* = 12" clearance to inside corner</p> <p>H = 3 ft. (Canada) not to be installed above a gas meter/regulator assembly within 3 feet (90cm) horizontally from the center-line of the regulator</p> <p>I = 3 ft. (U.S.A.)
6 ft. (Canada) clearance to service regulator vent outlet and electric service</p> | <p>J = 9" (U.S.A.)
12" (Canada) clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance</p> <p>K = 3 ft. (U.S.A.)
6 ft. (Canada) clearance to a mechanical air supply inlet</p> <p>L*** = 54" clearance above paved sidewalk or a paved driveway located on public property
(See Note 1)</p> <p>M**** = 31" clearance under veranda, porch, deck or balcony</p> <p>N = 12" non-vinyl siding
36" vinyl siding</p> <p>O = 31" non-vinyl soffit and overhang
60" vinyl soffit and overhang</p> <p>P = 8 ft.</p> |
|---|---|

	Q _{MIN}	R _{MAX}
Twilight	10 feet	2 x Q _{ACTUAL}
1 additional termination cap	Q + 3 feet	1 x Q _{ACTUAL}
2 additional termination caps	Q + 6 feet	2/3 x Q _{ACTUAL}
3 additional termination caps	Q + 9 feet	1/2 x Q _{ACTUAL}
R_{MAX} = (2 / # caps plus fireplace) x Q_{ACTUAL}		

- * **36" minimum for vinyl windows or vinyl siding.**
- ** **60" minimum for vinyl clad soffits.**
- *** a fireplace shall not open directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings.
- **** only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor, or if the screened porch guidelines are followed.

NOTE 1: Local codes or regulations may require different clearances.

NOTE 2: Termination in an alcove space (spaces open only on one side and with an overhang) are permitted with the dimensions specified for vinyl or non-vinyl siding and soffits. **1.** There must be 3 feet minimum between terminations or between the fireplace and termination. **2.** All mechanical air intakes within 10 feet of a termination must be a minimum of 3 feet below the fireplace hood. **3.** All gravity air intakes within 3 feet of the fireplace hood must be a minimum of 1 foot below the termination.

This fireplace is approved for installation onto screened porches with the following guidelines:

- Minimum porch area: 96 square feet
- Minimum ceiling height: 92 inches
- Minimum of two walls must be screened
- Minimum top of screen height, side walls: 6 ft. 8 in.
- Minimum screen area: 64 square feet

NOTE: There may be some odor and small amounts of soot associated with venting the Twilight onto a screened porch. Ensuring good cross draft ventilation and routine maintenance of the fireplace will maximize comfort and cleanliness.

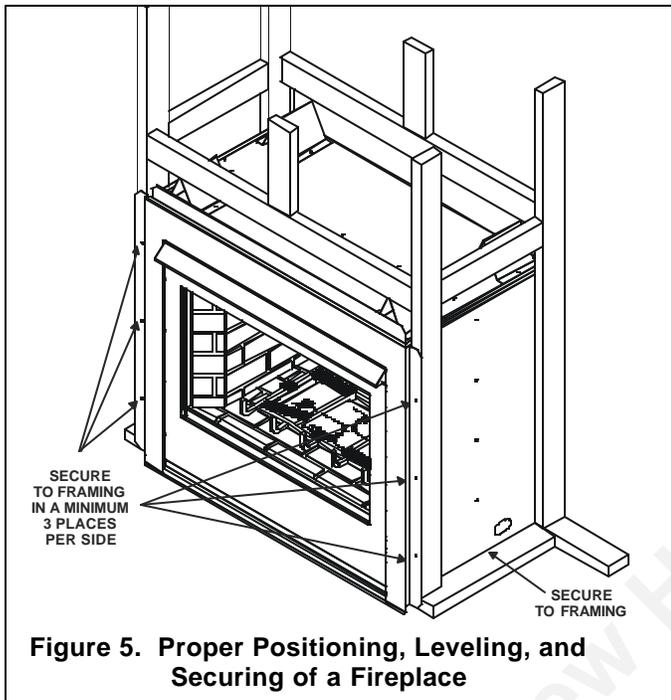
Figure 4. Fireplace Opening Minimum Clearances

CAUTION: IF EXTERIOR WALLS ARE FINISHED WITH VINYL SIDING, IT IS NECESSARY TO INSTALL THE VINYL PROTECTOR KIT TO THE TOP OF THE EXTERIOR FIRESTOP (FOR ALL ROUND TERMINATION CAPS). IT IS STRONGLY RECOMMENDED WHENEVER POSSIBLE TO USE THE VINYL PROTECTOR KIT.

Step 3. Positioning, Leveling, and Securing the Fireplace

The diagram below shows how to properly position, level, and secure the fireplace. Before the framing or fireplace is set in place, the cutout should be covered with tar paper or similar material.

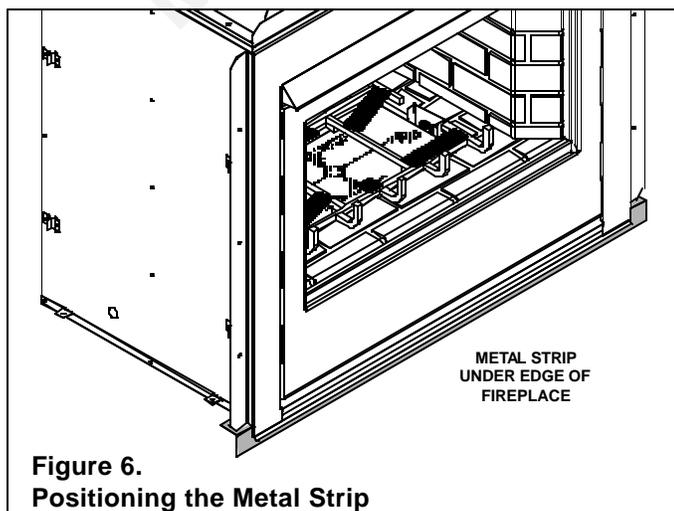
The outdoor side of the fireplace contains edges that protrude beyond the normal envelope of the fireplace. Special care should be taken to avoid damage to these parts.



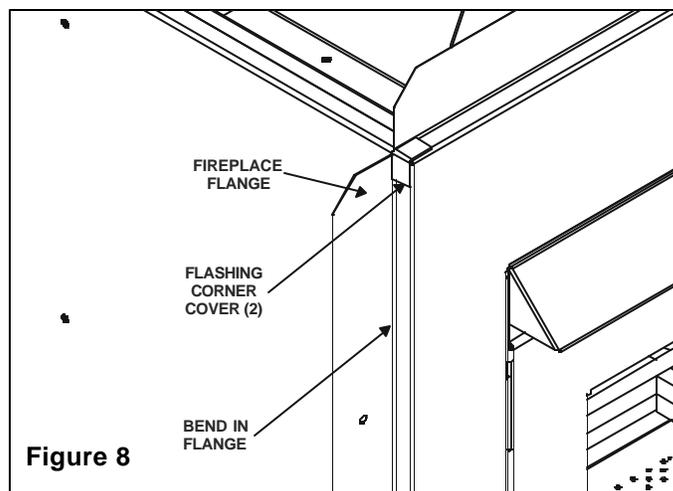
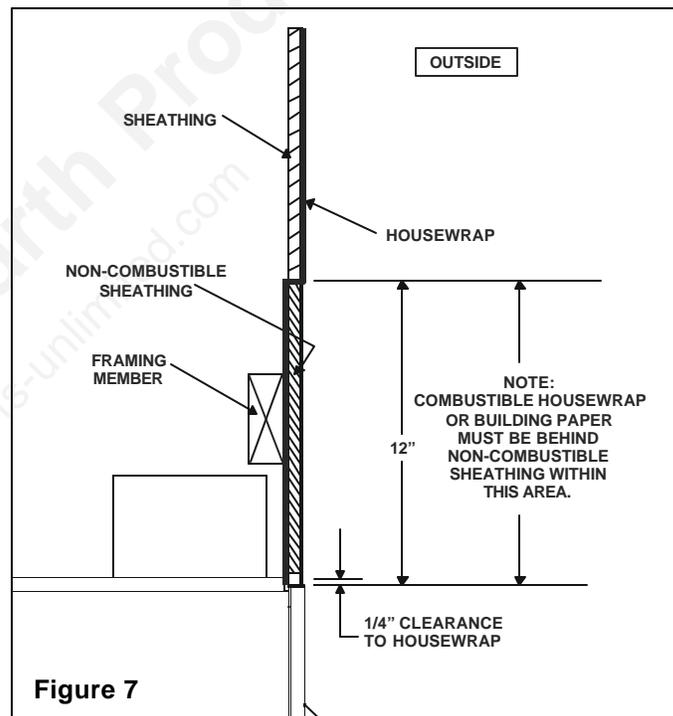
Placing the Protective Metal Hearth Strip

Included with your fireplace you will find a metal flashing strip measuring approximately 46" x 4". This strip is used to provide added protection where the fireplace and outer structure meet.

- Place a generous bead of silicone caulk into the corner of the protective hearth strip. Place the metal strip onto the structure where the outer edge of the fireplace will sit (see Figure 6).
- Place the fireplace into position. Make sure flashing edges on the outdoor surround fit up tight to the framing.



- Level the fireplace from side to side and front to back.
- Shim the fireplace with non-combustible material, such as sheet metal, as necessary.
- Secure the fireplace to the framing by using nails or screws through the nailing tabs.
- See Figure 7 for placement of combustible housewrap or building paper and non-combustible sheathing for the outside wall. Combustible housewrap or building paper may be brought over the fireplace flange, but not past the bend in the flange (see Figure 8).
- Once the fireplace is in place, put protective flashing corner cover pieces (found in manual bag assembly) over top corners on outside of unit (see Figure 8). Use silicone caulk to place these pieces over the corners and secure into place. Make sure enough silicone caulk is used to make a water tight seal between outdoor surround and corner pieces.



NOTE: The installation is permitted in screened porches following the guidelines in Figure 4.

Step 4. The Gas Control System

WARNING: THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

The type of gas control system used with this model: *Intermittent Pilot Ignition (IPI)*.

Intermittent Pilot Ignition (IPI) System

This system includes a 3V control valve, electronic module, and intermittent pilot.

WARNING: 110-120 VAC MUST NEVER BE CONNECTED TO A CONTROL VALVE IN A MILLIVOLT SYSTEM.

WARNING: CONTINUOUS 110-120 VAC SERVICE MUST BE WIRED DIRECTLY TO THE FIREPLACE JUNCTION BOX.

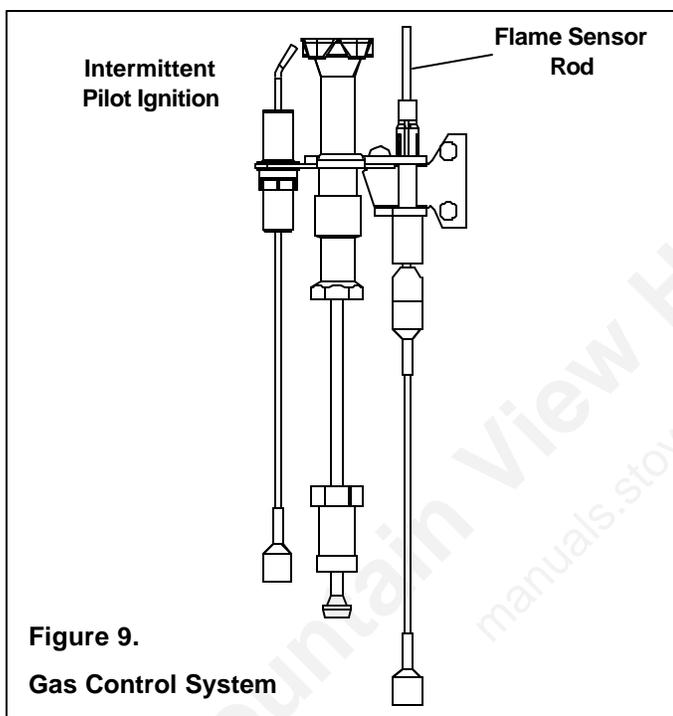


Figure 9.
Gas Control System

Step 5. The Gas Supply Line

NOTE: Have the gas supply line installed in accordance with local building codes 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: Before the first firing of the fireplace, the gas supply line should be purged of any trapped air.

NOTE: Consult local building codes to properly size the gas supply line leading to the 1/2 inch (13 mm) hook-up at the unit.

This gas fireplace is designed to accept a 1/2 inch (13 mm) gas supply line. To install the gas supply line:

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

tuting for these components, please consult local codes for compliance.

- Locate the gas line access hole in the outer casing of the fireplace.
- The gas line may be run from either side of the fireplace provided the hole in the outer wrap does not exceed 2" in diameter and it does not penetrate the actual firebox.
- Open the fireplace lower grille, insert the gas supply line through the gas line hole, and connect it to the shut-off valve.
- When attaching the pipe, support the control so that the lines are not bent or torn.
- After the gas line installation is complete, use a soap solution to carefully check all gas connections for leaks.

WARNING: DO NOT USE AN OPEN FLAME TO CHECK FOR GAS LEAKS.

- Insert insulation from the outside of the fireplace and pack the insulation tightly to totally seal between the pipe and the outer casing.
- 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.

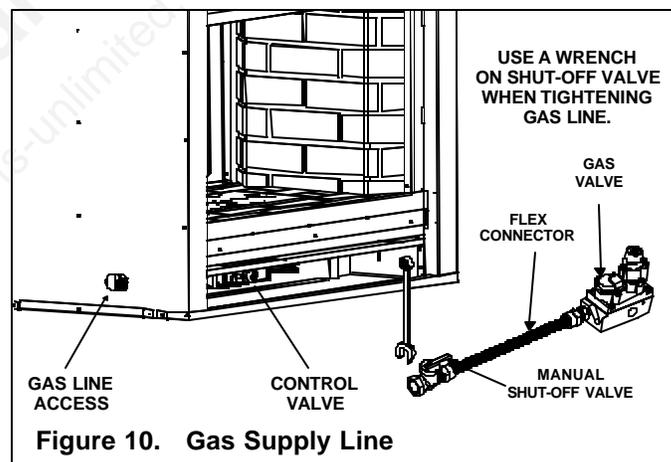


Figure 10. Gas Supply Line

Step 6. Gas Pressure Requirements

Pressure requirements for Heat-N-Glo Lifestyle Products gas fireplaces are shown in the table below.

Gas Pressure	NG	LP
Min. Inlet Pressure	5.0 inches w.c.	11.0 inches w.c.
Max. Inlet Pressure	14.0 inches w.c.	14.0 inches w.c.
Manifold Pressure	3.5 inches w.c.	10.0 inches w.c.

A one-eighth (1/8) inch (3 mm) N.P.T. plugged tapping is provided on the inlet and outlet side of the gas control for a test gauge connection to measure the manifold pressure.

The fireplace and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of one-half (1/2) psig (3.5 kPa).

The fireplace must be isolated from the gas supply piping system by closing its individual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than one-half (1/2) psig (3.5 kPa).

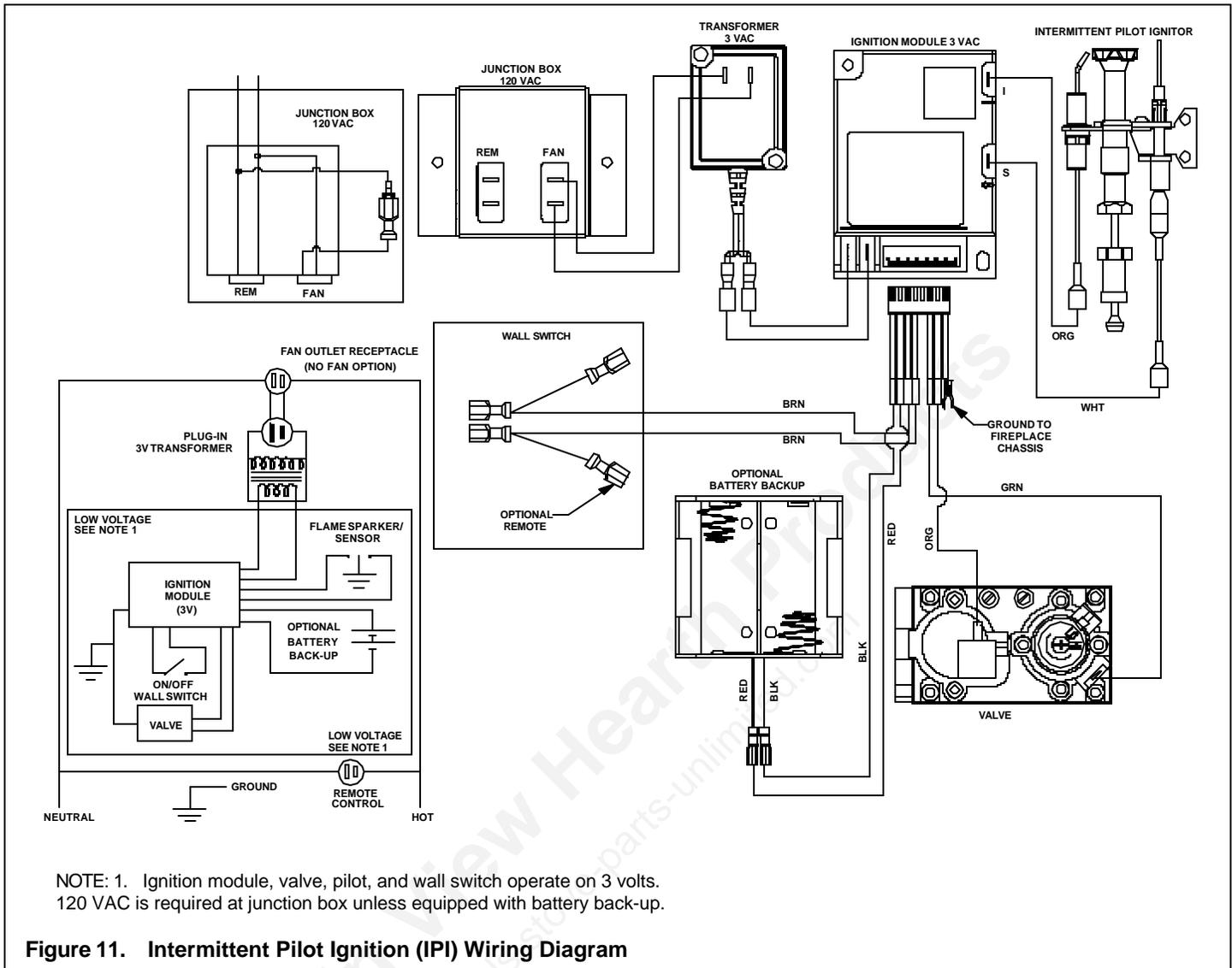


Figure 11. Intermittent Pilot Ignition (IPI) Wiring Diagram

Step 7. Wiring the Fireplace

NOTE: Electrical wiring must be installed by a licensed electrician.

CAUTION: DISCONNECT REMOTE CONTROLS IF ABSENT FOR EXTENDED TIME PERIODS. THIS WILL PREVENT ACCIDENTAL FIREPLACE OPERATION.

For Intermittent Pilot Ignition (IPI) Wiring

Appliance Requirements

⚠ WARNING: DO NOT CONNECT 110-120 VAC TO THE GAS CONTROL VALVE OR WALL SWITCH OR THE APPLIANCE WILL MALFUNCTION AND THE VALVE WILL BE DESTROYED.

NOTE: Waterproof insulated wire should be used when wiring the junction box.

Optional Accessories

Optional remote control kits require that 110-120 VAC be wired to the factory installed junction box before the fireplace is permanently installed.

Wall Switch

Position the wall switch in the desired position on a wall. Run a maximum of 25 feet (7.8 m) or less length of 18 A.W.G. minimum wire and connect it to the fireplace ON/OFF switch pigtail.

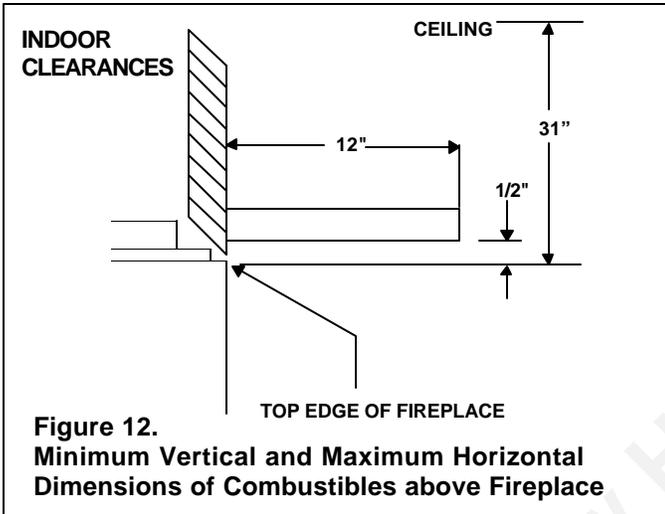
CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

Step 8. Finishing

• INDOOR FINISHING

Figure 12 shows the minimum vertical and corresponding maximum horizontal dimensions of fireplace mantels or other combustible projections above the top front edge of the fireplace. See Figures 2 and 3 for other fireplace clearances. Only non-combustible materials may be used to cover the black fireplace front.

WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.



CAUTION: IF JOINTS BETWEEN THE FINISHED WALLS AND THE FIREPLACE SURROUND (TOP AND SIDES) ARE SEALED, A 300° F. MINIMUM SEALANT MATERIAL MUST BE USED. THESE JOINTS ARE NOT REQUIRED TO BE SEALED. ONLY NON-COMBUSTIBLE MATERIAL (USING 300° F. MINIMUM ADHESIVE, IF NEEDED) CAN BE APPLIED AS FACING TO THE FIREPLACE SURROUND.

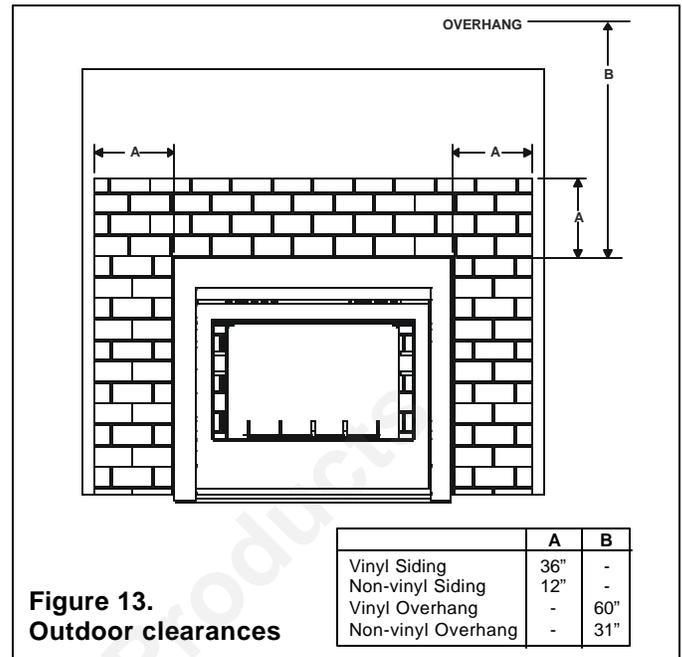
• OUTDOOR FINISHING

When finishing outdoor side of fireplace, durarock or other non-combustible material must be used within 12 inches of top and sides (see Figure 7). A non-combustible facing material such as brick, stone, tile or marble must be used within 12 inches of the top and sides. For applications where vinyl siding is used, 36 inches of non-combustible facing must be used along the sides and top of the fireplace.

NOTE: Mantels constructed of combustible materials are NOT permitted on the outside. Non-combustible mantel construction not exceeding 12" deep is permitted a minimum of 12" above the top edge of the fireplace.

To ensure a watertight seal, an ample bead of silicone caulk should be placed between the facing material and the front face of the fireplace.

WARNING: THE BOTTOM EDGE ON THE OUTDOOR SIDE OF THE FIREPLACE CAN NOT BE COVERED WITH ANY MATERIAL. TO DO SO WILL PREVENT PROPER WATER SHEDDING CAPABILITIES.



Step 9. Installing Trim, Logs & Ember Material

Installing the Trim

WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.

FOR INSIDE:

Combustible materials may be brought up to the specified clearances on the side and top front edges of the fireplace, but **MUST NEVER** overlap onto the front face. The joints between the finished wall and the fireplace top and sides can only be sealed with a 300° F. (149° C) minimum sealant.

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 fireplace.

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

FOR OUTSIDE:

Marble, brick, tile, stone, or other non-combustible materials can be used to cover up the gap between the facing material and the fireplace. **DO NOT** obstruct or modify the air intake or exhaust.

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 instructions that accompany the logs. **Save the log instructions with this manual.**

If sooting occurs, the logs might need to be repositioned slightly to avoid excessive flame impingement.

Shutter Settings

	NG	LP
Twilight	3/8"	1/2"

Glass Specifications:

Side	Type
Outdoor	CERAMIC
Indoor	TEMPERED

Heat-N-Glo Lifestyle Products fireplaces manufactured with tempered glass may be installed in hazardous locations such as bathtub enclosures as defined by the CPSC. The tempered glass has been tested and certified to the requirements of ANSI Z97.1-1984 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 SPCS 16 CFR Section 1201.5 "Certification and labeling requirements" which refers to 15 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.

Placing the Ember Material

Ember material is shipped with this gas fireplace. The bag labeled Glowing Ember (050-721) is standard glowing ember material.

To place the ember material:

- Remove the wing nuts and glass clips around the glass door.
- Remove the glass door from the unit.
- Place dime size pieces of ember material about 1/2 inch apart near port holes in burner top. Do **NOT** press embers into burner ports. Cover the top of the burner with a single layer of ember material. For best performance do NOT place embers on the ports at the rear of the burner.
- Save the remaining ember materials for use during fireplace servicing. The bag of embers provided is sufficient for 3 to 5 applications.
- Replace the wing nut, glass clips, and screws.
- Replace the glass door and a front trim door on the unit.
- Hand tighten the wing nut.



Figure 14. Placement of the Ember Material

Step 10. Before Lighting the Fireplace

Before lighting the fireplace, be sure to do the following:

Remove all paperwork from underneath the fireplace.

Review safety warnings and cautions

- Read the **Safety and Warning Information** section at the beginning of this *Installers Guide*.

Double-check for gas leaks

- Before lighting the fireplace, double-check the unit for possible gas leaks.

Double-check vent terminations and front grilles for obstructions.

- Before lighting the fireplace, double-check the unit for possible obstructions that could be blocking the vent terminations or the front grilles.

Double-check for faulty components

- Any component that is found to be faulty **MUST BE** replaced with an approved component. Tampering with the fireplace components is **DANGEROUS** and voids all warranties.

A small amount of air will be in the gas supply lines. When first lighting the fireplace, it will take a few minutes for the lines to purge themselves of this air. Once the purging is complete, the fireplace will light and will operate normally.

Subsequent lightings of the fireplace will not require this purging of air from the gas supply lines, **unless the gas valve has been turned to the OFF position**, in which case the air would have to be purged.

NOTE: The fireplace should be run 3 to 4 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 fireplace for an additional 8 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 fireplace's initial burning.

Step 11. Lighting the Fireplace

You've reviewed all safety warnings, you've checked the fireplace for gas leaks, you know the vent system is unobstructed, and you've checked for faulty components. Now you're ready to light the fireplace.



WARNING: PLEASE REFER TO THE USER'S MANUAL FOR ALL CAUTIONS, SAFETY, AND WARNING INFORMATION PERTAINING TO THE LIGHTING AND OPERATION OF THE FIREPLACE.

After the Installation



LEAVE THIS INSTALLATION MANUAL WITH THE APPLIANCE FOR FUTURE REFERENCE.

4

Maintaining and Servicing Your Fireplace

Fireplace Maintenance

Although the frequency of your fireplace servicing and maintenance will depend on use and the type of installation, you should have a qualified service technician perform an appliance check-up at the beginning of each heating season. See the table below for specific guidelines regarding each fireplace maintenance task.

IMPORTANT: TURN OFF THE GAS BEFORE SERVICING YOUR FIREPLACE.

Replacing old ember material

Frequency: Once annually, during the checkup.

By: Qualified service technician.

Task: Brush away loose ember material near the burner. Replace old ember material with new dime-size and shape pieces of Glowing Ember (050-721). Save the remaining ember material and repeat this procedure at your next servicing. For more information, see **Placing Ember Material**.

Cleaning Burner and Controls

Frequency: Once annually.

By: Qualified service technician.

Task: Brush or vacuum the control compartment, fireplace logs and burner areas surrounding the logs.

Cleaning Flame Sensor Rod (IPI Systems)

Frequency: Annually.

By: Qualified service technician.

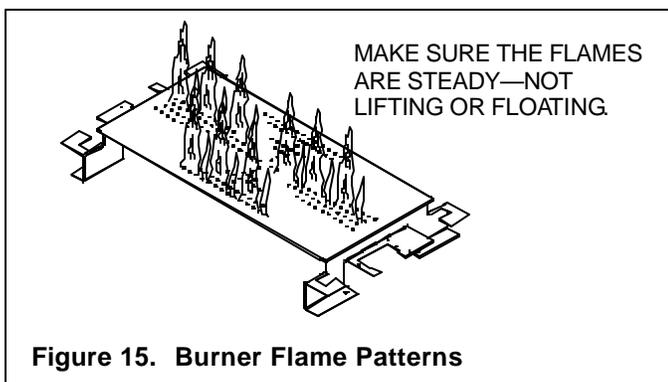
Task: Make a visual check of the straight flame sensor rod (see Figure 9). Use emery cloth to carefully remove any existing film or white deposits.

Checking Flame Patterns, Flame Height

Frequency: Periodically.

By: Qualified service technician/Home owner.

Task: Make a visual check of your fireplace's flame patterns. Make sure the flames are steady - not lifting or floating. See Figure 15. The thermopile/thermocouple tips should be covered with flame.



Checking Vent System

Frequency: Before initial use and at least annually thereafter, more frequently if possible.

By: Qualified service technician/Home owner.

Task: Inspect the external vent on a regular basis to ensure that no debris is interfering with the flow of air. Inspect entire vent system for proper function.

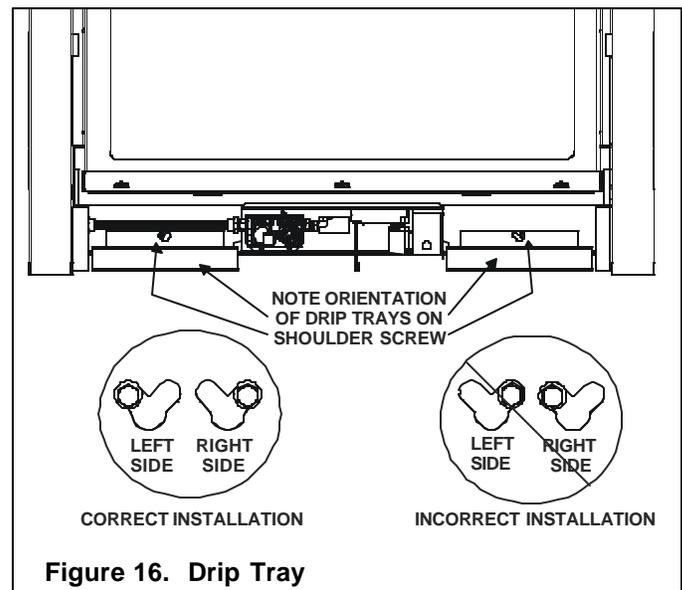
Cleaning Glass Door

Frequency: After the first 3 to 4 hours of use. As necessary after initial cleaning.

By: Home owner.

Task: Remove and clean glass after the first 3 to 4 hours of use. After the initial cleaning, clean as necessary, particularly after adding new ember (flame colorant) material. Film deposits on the inside of the glass door should be cleaned off using a household glass cleaner. **NOTE: DO NOT handle or attempt to clean the door when it is hot and DO NOT use abrasive cleaners.**

NOTE: Under certain weather conditions, some water may accumulate inside the fireplace. This is normal and expected. The control compartment contains two removable drip pans that may be cleaned as necessary (see Figure 16). Excess moisture can be eliminated by burning the fireplace for a few hours.



NOTE: The rating plate is located under the drip tray on the right side of the fireplace.