

## G36D Zero Clearance Direct Vent Gas Fireplace

## Owners & Installation Manual



MODELS: G36D-NG1 Natural Gas    G36D-LP1 Propane

**WARNING:** If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

**FOR YOUR SAFETY:** Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. 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.

**FOR YOUR SAFETY**  
**What to do if you smell gas:**

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

Tested by:



*Installer: Please complete the details on the back cover  
and leave this manual with the homeowner.*

*Homeowner: Please keep these instructions for future reference.*

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To the New Owner:

Congratulations!

You are the owner of a state-of-the-art Gas Fireplace by FIREPLACE PRODUCTS INTERNATIONAL. The G36D is a hand crafted appliance and has been designed to provide you with all the warmth and charm of a wood fireplace at the flick of a switch. The model G36D has been approved by Warnock Hersey for both safety and efficiency. As it also bears our own mark, it promises to provide you with economy, comfort and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Regency® Fireplace.

## INFORMATION FOR MOBILE/MANUFACTURED HOMES AFTER FIRST SALE

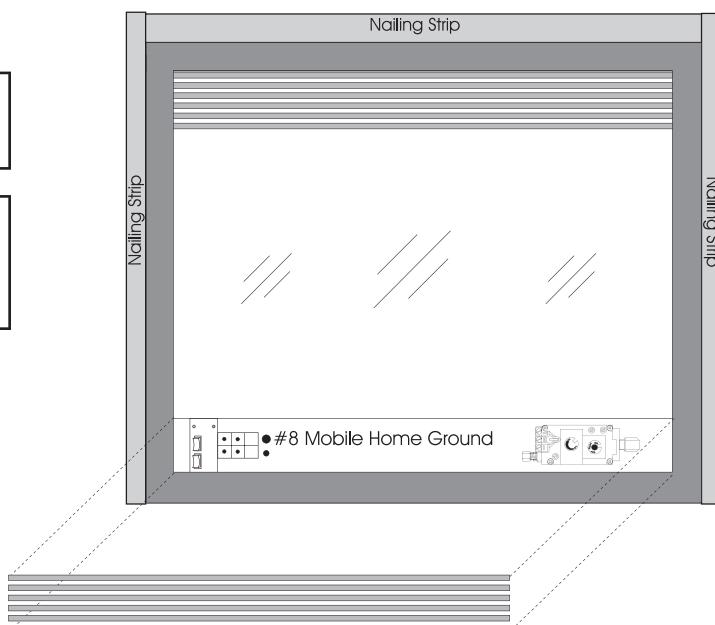
This UltraGlow® product has been tested and listed by Warnock Hersey as a Direct Vent Wall Furnace to the following standards: VENTED GAS FIREPLACE HEATERS ANSI Z21.88-2002/CSA 2.33-2002 and GAS-FIRED APPLIANCES FOR USE AT HIGH ALTITUDES CAN/CGA 2.17-M91.

This Direct Vent System Appliance must be installed in accordance with the manufacturer's installation instructions and the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the current Standard of Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, and with CAN/CSA Z240-MH Mobile Home Standard in Canada.

This appliance installation must comply with the manufacturer's installation instructions and local codes, if any. In the absence of local codes follow the current National Fuel Gas Code, ANSI Z223.1 and the current National Electrical Code ANSI/NFPA 70 in the U.S.A., and the current CAN/CGA B149 Gas Installation Code and the current Canadian Electrical Code CSA C22.1 in Canada.

This UltraGlow® Mobile/Manufactured Home Listed appliance comes factory equipped with a means to secure the unit.

This UltraGlow® Mobile/Manufactured Home listed appliance comes equipped with a dedicated #8 ground lug to which an 18 gauge copper wire from the steel chassis ground must be attached.



We recommend that our products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) or in Canada by Wood Energy Technical Training (WETT).



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# SAFETY LABEL

This is a copy of the label that accompanies each G36D Zero Clearance Direct Vent Gas Fireplace. We have printed a copy of the contents here for your review. The safety label is located on the front inside base of the unit, visible when the bottom louver is open.

**NOTE:** UltraGlow® units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

## Copy of Safety Decal for G36D-NG1

For the State of Massachusetts, installation and repair must be done by a plumber or gasfitter licensed in the Commonwealth of Massachusetts.

For the State of Massachusetts, flexible connectors shall not exceed 36 inches in length.

For the State of Massachusetts, the appliances individual manual shut-off must be a t-handle type valve.

Duplicate S/N

| <b>DO NOT REMOVE THIS LABEL / NE PAS ENLEVER CETTE ÉTIQUETTE</b>  |   |  |   |
|---|---|--|---|
| <b>Listed: VENTED GAS FIREPLACE HEATER</b><br><b>Certified for/Certifiée pour:</b> CANADA and U.S.A.<br><b>Tested to:</b> Gas-Fired Appliances For Use At High Altitudes CAN/CGA-2-17-M91,<br>Vented Gas Fireplaces ANSI Z21.88b-2003/CSA 2.33b-2003<br><b>Report No.</b> 476-3031-977  | <b>Serial No./ No de série</b><br><b>300</b>  |  |   |
| <b>UltraGlow®</b><br><small>GAS FIREPLACE PRODUCTS</small>  |   |  |   |
| <b>MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES AFTER FIRST SALE.</b>  |   |  |   |
| <table border="1"> <tr> <td style="text-align: center;"> <b>NATURAL GAS: Model G36D-NG1</b><br/> <b>APPAREIL FONCTIONNANT AU NATUREL GAZ CONCU POUR ETRE POELE: Modèle G36D-NG1</b><br/>           Pression d'alimentation minimum<br/>           Pression à la tubulure d'échappement élevée<br/>           Pression à la tubulure d'échappement basse<br/>           Pression à la tubulure d'échappement élevée<br/>           Pression à la tubulure d'échappement basse<br/>           Grandeur de l'injecteur<br/>           Débit Calorifique minimum selon l'altitude<br/>           Débit Calorifique maximum selon l'altitude         </td> <td style="text-align: center;"> <b>PROpane: Model G36D-LP1</b><br/> <b>APPAREIL FONCTIONNANT AU GAZ PROpane CONCU POUR ETRE POELE: Modèle G36D-LP1</b><br/>           Pression d'alimentation minimum<br/>           Pression à la tubulure d'échappement élevée<br/>           Pression à la tubulure d'échappement basse<br/>           Pression à la tubulure d'échappement basse<br/>           Grandeur de l'injecteur<br/>           Débit Calorifique minimum selon l'altitude<br/>           Débit Calorifique maximum selon l'altitude         </td> </tr> </table> |   | <b>NATURAL GAS: Model G36D-NG1</b><br><b>APPAREIL FONCTIONNANT AU NATUREL GAZ CONCU POUR ETRE POELE: Modèle G36D-NG1</b><br>Pression d'alimentation minimum<br>Pression à la tubulure d'échappement élevée<br>Pression à la tubulure d'échappement basse<br>Pression à la tubulure d'échappement élevée<br>Pression à la tubulure d'échappement basse<br>Grandeur de l'injecteur<br>Débit Calorifique minimum selon l'altitude<br>Débit Calorifique maximum selon l'altitude | <b>PROpane: Model G36D-LP1</b><br><b>APPAREIL FONCTIONNANT AU GAZ PROpane CONCU POUR ETRE POELE: Modèle G36D-LP1</b><br>Pression d'alimentation minimum<br>Pression à la tubulure d'échappement élevée<br>Pression à la tubulure d'échappement basse<br>Pression à la tubulure d'échappement basse<br>Grandeur de l'injecteur<br>Débit Calorifique minimum selon l'altitude<br>Débit Calorifique maximum selon l'altitude |
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| <input checked="" type="radio"/> <b>Model/Modele: G36D-NG1</b><br>   | <input checked="" type="radio"/> <b>Model/Modele: G36D-LP1</b>  |  |   |
| <b>VENTING:</b> This appliance must be installed in accordance with the manufacturer's installation instructions and with local codes, if any; if not, follow the current ANSI Z223.1 in the USA or the current CAN 1-B149 in Canada. For Manufactured Home Installation: This Direct Vent System Appliance must be installed in accordance with the manufacturer's installation instructions and Manufactured Home Construction and Safety Standard Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, and with CAN/CSA Z224 MH Mobile Home Standard in Canada. This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owner's manual for details. This appliance is not convertible for use with other gases, unless a certified kit is used.  |   |  |   |
| <b>DOOR SEAL: Please check that the door is properly sealed</b><br><small>(See Instruction Manual for Detailed Instructions)</small>  |   |  |   |
| <b>FPI Fireplace Products International Ltd.</b><br><b>Delta, BC, Canada</b>  |   |  |   |
| <small>Made in Canada/Fabriqué au Canada</small>  |   |  |   |
| <small>918-493</small>  |   |  |   |
| <b>Not for use with solid fuel.</b><br><b>This vented gas fireplace is not for use with filters.</b>  |   |  |   |
| <b>UltraGlow® G36D Zero Clearance Direct Vent Gas Fireplace</b>   |   |  |   |

## IMPORTANT MESSAGE SAVE THESE INSTRUCTIONS

The G36D-NG1 or G36D-LP1 Direct Vent Fireplace must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the "authority having jurisdiction" to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with manufacturer's instructions and all applicable codes.

## BEFORE YOU START

Safe installation and operation of this appliance requires common sense, however, we are required by the Canadian Safety Standards

**INSTALLATION AND REPAIR SHOULD BE DONE BY A QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE 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 CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.**

**DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.**

**WARNING: FAILURE TO INSTALL THIS APPLIANCE CORRECTLY WILL VOID YOUR WARRANTY AND MAY CAUSE A SERIOUS HOUSE FIRE.**

**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES, ESPECIALLY THE FIREPLACE GLASS, 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.**

**CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.**

## GENERAL SAFETY INFORMATION

- 1) The appliance installation must conform with local codes or, in the absence of local codes, with the current Canadian or National Gas Codes, CAN1-B149 or ANSI Z223.1 Installation Codes.
- 2) The appliance when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes with the current National Electrical Code, ANSI/NFPA 70 or CSA C22.1 Canadian Electrical Code.
- 3) See general construction and assembly instructions. The appliance and vent should be enclosed.
- 4) This appliance must be connected to the specified vent and termination cap to the outside of the building envelope. Never vent to another room or inside a building. Make sure that the vent is fitted as per Venting instructions.
- 5) Inspect the venting system annually for blockage and any signs of deterioration.
- 6) Venting terminals shall not be recessed into a wall or siding.
- 7) Any safety glass removed for servicing must be replaced prior to operating the appliance.
- 8) To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.
- 9) Wear gloves and safety glasses for protection while doing required maintenance.
- 10) Be aware of electrical wiring locations in walls and ceilings when cutting holes for termination.
- 11) Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance.
- 12) Installation and any repairs to this appliance should be done by a qualified service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.
- 13) Do not slam shut or strike the glass door.

14) Under no circumstances should any solid fuels (wood, paper, cardboard, coal, etc.) be used in this appliance.

15) The appliance area must be kept clear and free of combustible materials, (gases and other flammable vapours and liquids).

Emissions from burning wood or gas could contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## INSTALLATION CHECKLIST

- 1) Check all clearances to combustibles. Refer to the following sections:
  - a) Locating Your Gas Stove
  - b) Clearances
  - c) Mantel Leg Clearances
  - d) Combustible Mantels
  - e) Framing and Finishing
  - f) Hearth Requirement
- 2) Assemble Top Standoffs and Top Facing Support and Side Nailing Strips. Refer to the "UnitAssembly Prior to Installation" section. (NOTE: must be done before installing unit into fireplace.)
- 3) Install vent. Refer to the "Venting" section.
- 4) Install standard and optional features. Refer to the following sections where applicable:
  - a. Log Set Installation
  - b. Standard Flush Door
  - c. Option 1: Remote Control
  - d. Option 2: Wall Switch
  - e. Option 3: Wall Thermostat
  - f. Installing the Optional Fan
- 9) Final check.

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and **operation fully explained to customer**.

# INSTALLATION

## This includes:

- 1) Clocking the appliance to ensure the correct firing rate (rate noted on label 26,000 Btu/h) after burning appliance for 15 minutes.
- 2) If required, adjusting the primary air to ensure that the flame does not carbon. First allow the unit to burn for 15-20 min. to stabilize.

**CAUTION:** Any alteration to the product that causes sooting or carboning that results in damage is not the responsibility of the manufacturer.

## LOCATING YOUR GAS STOVE

- 1) When selecting a location for your fireplace, ensure that the clearances outlined on this page are met.
- 2) Provide adequate clearances for servicing.
- 3) The appliance must be installed on a flat, solid, continuous surface (e.g. wood, metal, concrete). This may be the floor, or raised up on a platform to enhance its visual impact. If the appliance is going to be installed on carpeting, combustible linoleum tile or other combustible material other than wood flooring, the appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.
- 4) The G36D Direct Vent Gas Fireplace can be installed in a recessed position or framed out into the room as in A, B, C, D. See Diagram 1.

- A) Flat on Wall
- B) Flat on Wall Corner
- C) Recessed into Wall/Alcove
- D) Corner

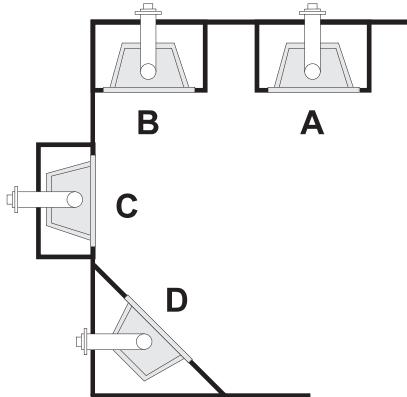


Diagram 1

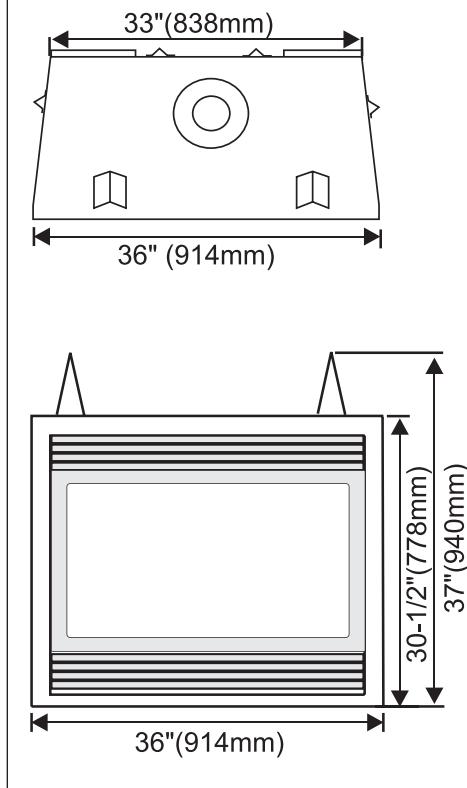
- 5) This appliance is Listed for bedroom installations when used with a Listed Millivolt Thermostat. Some areas may have further requirements, check local codes before installation.
- 6) The G36D Direct Vent Gas Fireplace is approved for alcove installations, which meet the clearances listed on this page.
- 7) We recommend that you plan your installation on paper using exact measurements for clearances and floor protection before actually installing this appliance. Have a qualified inspector, dealer, or installer review your plans before installation.

**Note:** For vent terminations see the "Exterior Vent Termination Locations" section.

## MANUFACTURED MOBILE HOME ADDITIONAL REQUIREMENTS

- 1) Ensure that structural members are not cut or weakened during installation.
- 2) Ensure proper grounding using the #8 ground lug provided. Refer to the "Wiring Diagram" section.

## G36D UNIT DIMENSIONS



## CLEARANCES

The clearances listed below are Minimum distances unless otherwise stated:

**A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.**

### Clearance to Combustibles from:

|       |    |       |
|-------|----|-------|
| Back  | 0" | (0mm) |
| Side  | 0" | (0mm) |
| Floor | 0" | (0mm) |

**NOTE: The minimum floor clearance must be maintained from the top surface of the carpeting, tile, etc.**

### Minimum Clearance from Top of Unit to:

|                           |     |          |
|---------------------------|-----|----------|
| Mantel* Minimum           | 7"  | (177mm)  |
| Ceiling from top of unit. | 32" | (1016mm) |

### Side Wall Clearance

|             |    |         |
|-------------|----|---------|
| Flush Front | 6" | (152mm) |
|-------------|----|---------|

### Horizontal Vent Clearances

|        |        |        |
|--------|--------|--------|
| Top    | 2-1/2" | (64mm) |
| Side   | 1-1/2" | (38mm) |
| Bottom | 1-1/2" | (38mm) |

### Vertical Vent Clearances

|                          |        |        |
|--------------------------|--------|--------|
| Vertical Vent Clearances | 1-1/4" | (32mm) |
|--------------------------|--------|--------|

### Alcove Clearances\*\*:

|             |     |         |
|-------------|-----|---------|
| Max. Depth  | 36" | (914mm) |
| Min. Width  | 48" | 1219mm) |
| Min. Height | 72" | 1829mm) |

\* see mantle clearance instructions in the "Combustible Mantels" section.

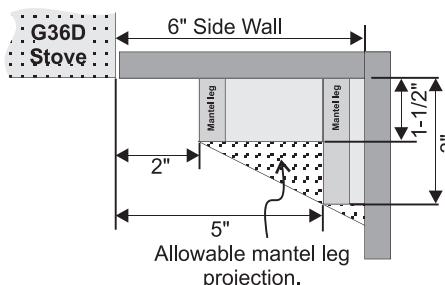
### WARNING:

**Fire hazard is an extreme risk if these clearances are not adhered to.**

**It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.**

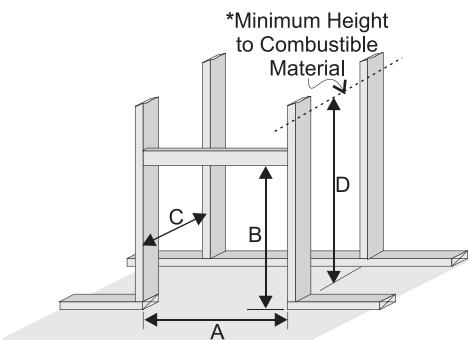
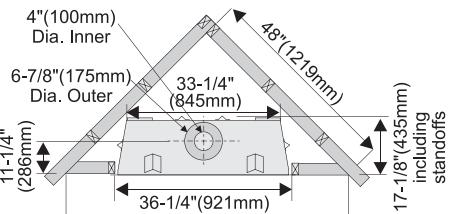
## MANTEL LEG CLEARANCES

Combustible mantel leg clearances as per diagram below:



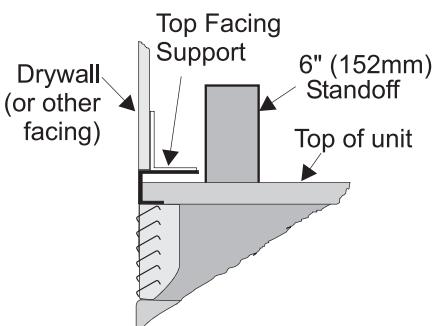
Maximum 1-1/2" projection at 2" minimum clearance.

- Frame in the enclosure for the unit with framing material. The framed opening is 37-1/4" high x 36-1/4" wide x 17-3/8" deep (946mm high x 921mm wide x 441mm deep).



## FRAMING AND FINISHING

- Determine the total thickness of facing material (e.g. drywall plus ceramic tiles) to allow the finished surface to be flush with the front of the unit. Total facing thickness can vary from 1/2" (13mm) to 1-1/4" (32mm) thick.



**Install Side Nailing Strips, Top Facing Support, and Top Standoffs before unit is slipped into position. See the "Unit Assembly Prior to Installation" section for assembly details.**

| Framing Dimensions |         |         |           |
|--------------------|---------|---------|-----------|
| A                  | B       | C       | D         |
| 36-1/4"            | 37-1/4" | 17-3/8" | 46-1/2"** |
| 921mm              | 946mm   | 441mm   | 1181mm*   |

\*'D' is Minimum height to combustible materials including the Minimum 2-1/2" (64mm) Top clearance to the Horizontal Vent.

- For exterior walls, insulate the enclosure to the same degree as the rest of the house, apply vapour barrier and drywall, as per local installation codes. (Do not insulate the fireplace itself.)
- The top of the unit must not be closer than 32" (813mm) to the ceiling.



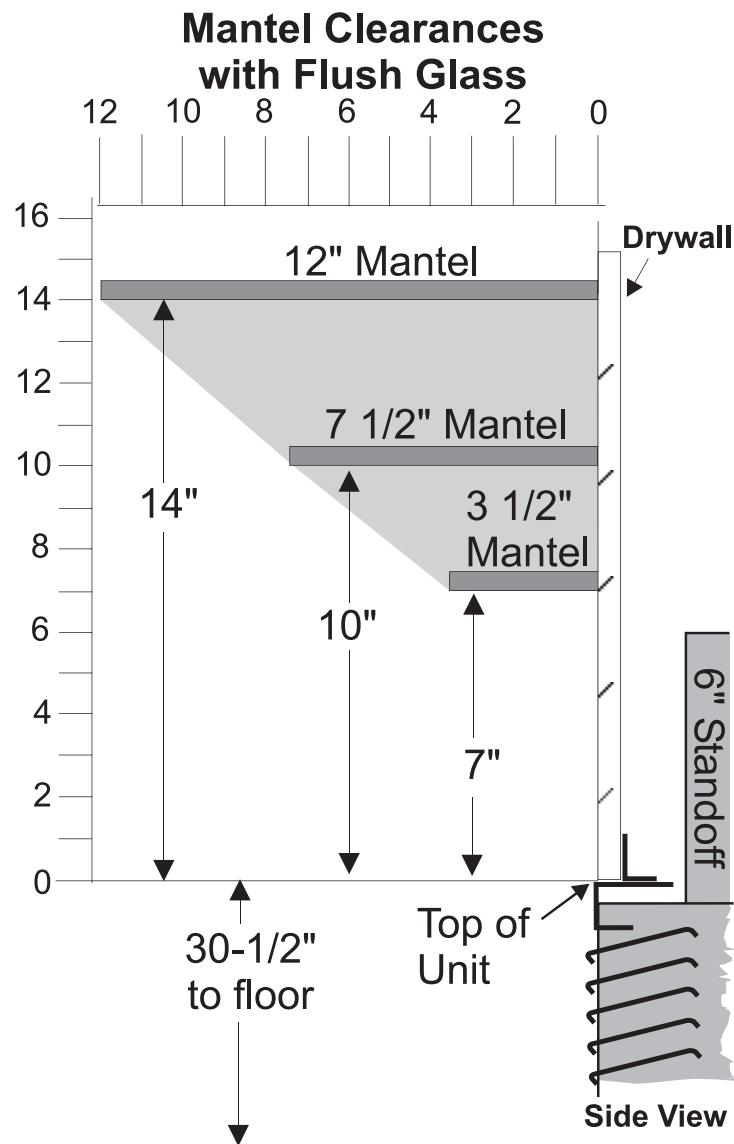
The **Heat Wave** Duct Kit has different clearance and framing requirements, check the **Heat Wave** manual for details.

# INSTALLATION

## COMBUSTIBLE MANTELS

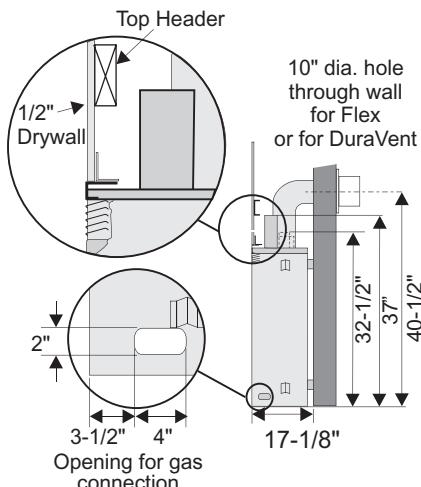
Because of the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of unit are shown in the diagram below.

**Note:** A non-combustible mantel may be installed at a lower height if the framing is made of metal studs covered with a non-combustible board.



These drawings are to scale at 1:6 (one inch = 6 inches)  
Mantel can be installed anywhere in shaded area or higher using the above scale.

**Note:** Ensure the paint that is used on the mantel and the facing is "heat resistant" or the paint may discolour.



**Note:** 40-1/2" (1029mm) is the minimum height for both flex termination or Simpson Dura-Vent venting.

- 5) The unit does not have to be completely enclosed in a chase. The clearance on top of the unit is 0" to the standoffs so combustible building materials can be laid directly on top of the standoffs. You must maintain clearance from the vent to combustible materials for flex, see section "Clearances."
- 6) Use steel studs for framing where the 1-1/2" (38mm) clearance from the vent to combustible material cannot be maintained, e.g. front top header.

## UNIT ASSEMBLY PRIOR TO INSTALLATION

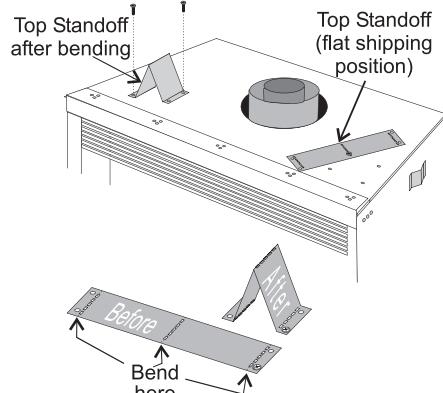
The Top Facing Support, the Side Nailing Strips and the 2 Top Standoffs must be correctly positioned and attached to the top before unit is slipped into position.

### Top Standoff Assembly

The top standoffs are shipped in a flat position and must be folded into shape and attached.

- 1) Remove the standoffs from the fireplace top.
- 2) Take each standoff and bend into the correct shape. Bend up at the bend lines until the screw holes in the standoff and the pre-punched screw holes on the fireplace top line up.

- 3) Attach the standoff securely to the top with 2 screws per standoff (on opposite corners).



### Top Facing Support and Side Nailing Strips

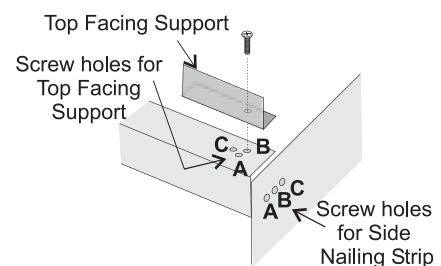
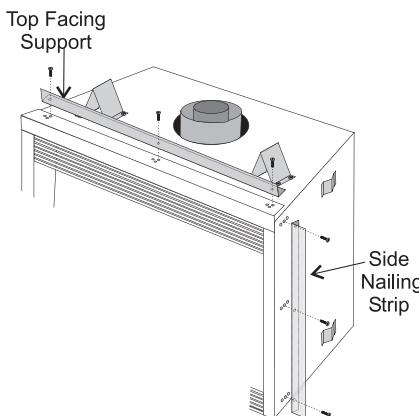
Determine the total thickness of facing material (e.g. drywall plus ceramic tiles) to allow the finished surface to be flush with the front of the unit. Total facing thickness can vary from 1/2" (13mm) to 1-1/4" (32mm) thick.

The Top Facing Support & Side Nailing Strips can be mounted in 3 different positions depending on the thickness of the facing material.

| Screw Position | Facing Material Depth |        |
|----------------|-----------------------|--------|
| A              | 1/2"                  | / 13mm |
| B              | 7/8"                  | / 22mm |
| C*             | 1-1/4"                | / 32mm |

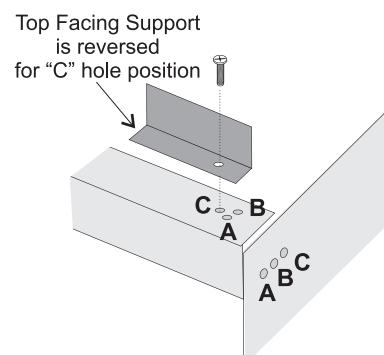
\* For "C" screw position the top facing support is reversed.

- 1) Mount Top Facing Support using the 3 supplied screws into the three pre-punched screw holes on the top front of the unit. Use hole positions A, B, or C depending on your facing depth.



#### "C" Screw Position:

For a facing material depth of 1-1/4" (32mm), the top facing support must be reversed.



- 2) Use the same screw hole position for the Side Nailing Strips as was used for the Top Facing Support. Attach each side nailing strip using 3 screws.

## VENTING INTRODUCTION

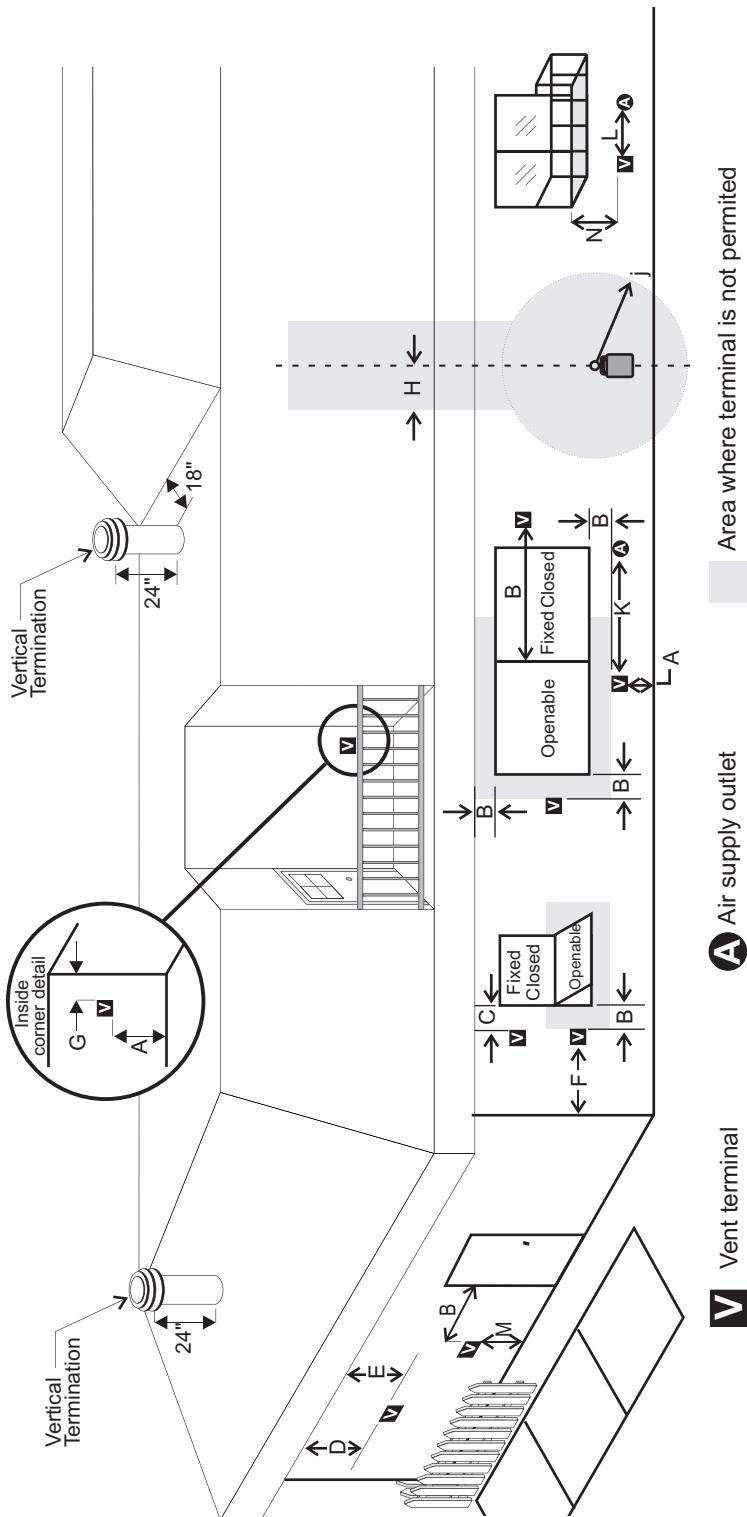
The G36D uses the "balanced flue" technology Co-Axial system. The inner liner vents products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber thereby eliminating the need to use heated room air for combustion and losing warm room air up the chimney.

**Note:** These flue pipes must not be connected to any other appliance.

The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas burning appliance. Each direct vent gas appliance must use its own separate vent system. Common vent systems are prohibited.

# INSTALLATION

## EXTERIOR VENT TERMINATION LOCATIONS



**A** Air supply outlet

**V** Vent terminal

- A= Clearance above grade, veranda, porch, deck, or balcony \*(min. 12"/30cm)  
 B= Clearance to window or door that may be opened \*(12"/30cm) #9/23cm  
 C= Clearance to permanently closed window \*(min. 12"/30cm)  
 D= Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of (24"/60cm) from the centerline of the terminal (min. 18"/46cm) check with local code.  
 E= Clearance to unventilated soffit (min. 15"/38cm)  
 F= Clearance to outside corner: with **AstroCap** Termination Cap (min. 6"/15cm), with Dura-Vent Termination Cap (14"/36cm)  
 G= Clearance to inside corner: with **AstroCap** Termination Cap (min. 6"/15cm), with Dura-Vent Termination Cap (12"/30cm)
- H= Not to be installed above a meter/regulator assembly within (3"/90cm) horizontally from the centerline of the regulator.  
 J= Clearance to service regulator vent outlet \*(min. 36"/90cm)  
 K= Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance \*(12"/30cm) #9/23cm  
 L= Clearance to a mechanical air supply inlet \*(min. 72"/1.8m)  
 M= Clearance above paved sidewalk or a paved driveway located on public property \*(min. 84"/2.1m)  
 N= Clearance under veranda, porch, deck, or balcony \*(min. 12"/30cm)

**Note:**

- A vent shall not terminate 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 two sides beneath the floor.
- If the vent termination is accessible, a certified guard shall be installed.
- \* As specified in CGA B149 Installation Code. Note: Local codes or regulations may require different clearances.
- # In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code.

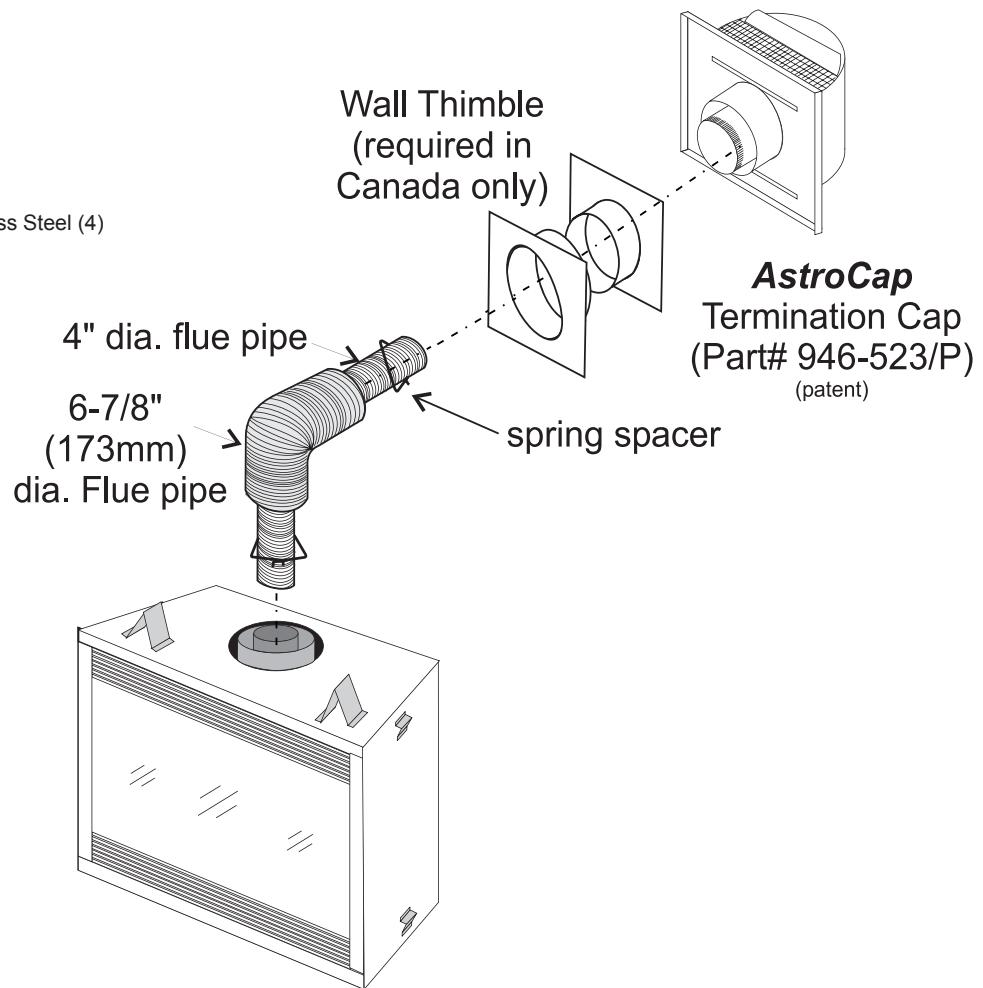
## VENTING

### UltraGlow® Direct Vent System (Flex) Horizontal Terminations Only

These venting systems, in combination with the G36D Direct Vent Gas Fireplace, have been tested and listed as a direct vent heater system by Warnock Hersey. The location of the termination cap must conform to the requirements in the Vent Terminal Locations diagram in the "Exterior Vent Termination Locations" section.

UltraGlow® Direct Vent Flex Termination Kit (Part # 946-515) includes all the parts needed to install the G36D with a maximum total run of 4 feet.

- 1) 6-7/8" dia. flexible liner (4 ft. length)
- 2) 4" dia. flexible liner (4 ft. length)
- 3) spring spacers (4)
- 4) thimble (2)
- 5) **AstroCap** termination cap (1)
- 6) screws (12)
- 7) tube of Mill Pac (1)
- 8) plated screws (8)
- 9) screws #8 x 1-1/2" Drill Point, Stainless Steel (4)



#### Notes:

- 1) Liner sections should be continuous without any joints or seams.
- 2) Only Flex pipe purchased from Regency® may be used for Flex installations.

# INSTALLATION

## RIGID PIPE VENTING COMPONENTS LIST

All Simpson Dura-Vent components are available directly from FPI.

| Description                                 | Simpson Dura-Vent<br>Direct VentGS® | Selkirk<br>Direct-Temp™ | Amerivent®<br>Direct Vent | Security<br>Secure Vent® |
|---|-------------------------------------|-------------------------|---------------------------|--------------------------|
| 6" Pipe Length, Galvanized                  | 908                                 | 4DT-6                   | N/A                       | SV4L6                    |
| 6" Pipe Length, Black                       | 908B                                | 4DT-6B                  | N/A                       | SV4LB6                   |
| 7" Pipe Length, Galvanized                  | N/A                                 | N/A                     | 4D7                       | #N/A                     |
| 7" Pipe Length, Black                       | N/A                                 | N/A                     | 4D7B                      | #N/A                     |
| 9" Pipe Length, Galvanized                  | 907                                 | 4DT-9                   | N/A                       | #N/A                     |
| 9" Pipe Length, Black                       | 907B                                | 4DT-9B                  | N/A                       | #N/A                     |
| 12" Pipe Length, Galvanized                 | 906                                 | 4DT-12                  | 4D12                      | SV4L12                   |
| 12" Pipe Length, Black                      | 906B                                | 4DT-12B                 | 4D12B                     | SV4LB12                  |
| 18" Pipe Length, Galvanized                 | N/A                                 | 4DT-18                  | N/A                       | SV4LA                    |
| 18" Pipe Length, Black                      | N/A                                 | 4DT-18B                 | N/A                       | SV4LA                    |
| 24" Pipe Length, Galvanized                 | 904                                 | 4DT-24                  | 4D2                       | SV4L24                   |
| 24" Pipe Length, Black                      | 904B                                | 4DT-24B                 | 4D2B                      | SV4LB24                  |
| 36" Pipe Length, Galvanized                 | 903                                 | 4DT-36                  | 4D3                       | SV4L36                   |
| 36" Pipe Length, Black                      | 903B                                | 4DT-36B                 | 4D3B                      | SV4LB36                  |
| 48" Pipe Length, Galvanized                 | 902                                 | 4DT-48                  | 4D4                       | SV4L48                   |
| 48" Pipe Length, Black                      | 902B                                | 4DT-48B                 | 4D4B                      | SV4LB48                  |
| Adjustable Length, 11"-14", Galv.           | 911                                 | 4DT-AJ                  | N/A                       | #N/A                     |
| Adjustable Length, 11"-14", Black           | 911B                                | 4DT-AJB                 | N/A                       | #N/A                     |
| Adjustable Length, 17"-24", Black           | 917B                                | N/A                     | N/A                       | SV4LBA24                 |
| Adjustable Length, 7" Galvanized            | N/A                                 | N/A                     | 4D7A                      | #N/A                     |
| Adjustable Length, 7" Black                 | N/A                                 | N/A                     | 4D7AB                     | #N/A                     |
| Adjustable Length, 12" Galvanized           | N/A                                 | N/A                     | 4D12A                     | SV4LA12                  |
| Adjustable Length, 12" Black                | N/A                                 | N/A                     | 4D12AB                    | SV4LBA12                 |
| 45° Elbow, Galvanized                       | 945                                 | 4DT-EL45                | 4D45L                     | #N/A                     |
| 45° Elbow, Black                            | 945B                                | 4DT-EL45B               | 4D45LB                    | #N/A                     |
| 45° Elbow, Swivel, Galvanized               | 945G                                | N/A                     | N/A                       | SV4E45                   |
| 45° Elbow, Swivel, Black                    | 945BG                               | N/A                     | N/A                       | SV4EB45                  |
| 90° Elbow, Galvanized                       | 990                                 | 4DT-EL90S               | 4D90LS                    | #N/A                     |
| 90° Elbow, Black                            | 990B                                | 4DT-EL90SB              | 4D90LBS                   | SV4EBR90-1               |
| 90° Elbow, Swivel, Galvanized               | 990G                                | N/A                     | N/A                       | SV4E90-1                 |
| 90° Elbow, Swivel, Black                    | 990BG                               | N/A                     | N/A                       | SV4EB90-1                |
| Ceiling Support                             | 949 - n/a from FPI                  | 4DT-CS                  | 4DFSP                     | SV4SD                    |
| Cathedral Support Box                       | 941                                 | 4DT-CSS                 | 4DRSB                     | SV4CSB                   |
| Wall Support/Band                           | 988                                 | 4DT-WS/B                | 4DWS                      | SV4BM                    |
| Offset Support                              | 989 - n/a from FPI                  | 4DT-OS                  | N/A                       | SV4SU                    |
| Wall Thimble, Black                         | 942                                 | 4DT-WT                  | 4DWT                      | SV4RSM                   |
| Wall Thimble Support Box/Ceiling Support    | 940                                 | N/A                     | N/A                       | SV4PF                    |
| Firestop Spacer                             | 963                                 | 4DT-FS                  | 4DFSP                     | SV4BF                    |
| Trim Plate, Black                           | N/A                                 | 4DT-TP                  | 4DFPB                     | SV4LA                    |
| Brass Trim for Wall Thimble/Ceiling Support | 3951                                | N/A                     | N/A                       | #N/A                     |
| Attic Insulation Shield 12"                 | N/A                                 | N/A                     | 4DAIS12                   | SV4RSA                   |
| Attic Insulation Shield - Cold Climates 36" | N/A                                 | N/A                     | 4DAIS36                   | #N/A                     |
| Basic Horizontal Termination Kit (A)        | 970                                 | 4DT-HKA                 | 4DHTK2                    | SV - SHK                 |
| Horizontal Termination Kit (B)              | 971                                 | 4DT-HKB                 | 4DHTK1                    | SV - HK                  |
| Vertical Termination Kit                    | 978                                 | 4DT-VKC                 | 4DVTK                     | SV - FK                  |
| High Wind Vertical Cap                      | 991                                 | N/A                     | N/A                       | #N/A                     |
| High Wind Horizontal Cap                    | 985                                 | N/A                     | N/A                       | #N/A                     |
| Horizontal Square Termination Cap           | 984                                 | 4DT-HHC                 | 4DHC                      | SV4CHC-1                 |
| Verical Termination Cap                     | 980                                 | 4DT-HVC                 | 4DVC                      | SV4CGV-1                 |
| Storm Collar                                | 953                                 | 4DT-SC                  | 4DSC                      | SV4FC                    |
| Adjustable Flashing, 0/12-6/12              | 943                                 | 4DT-AF6                 | 4DF                       | SV4FA                    |
| Adjustable Flashing, 6/12-12/12             | 943S                                | 4DT-AF12                | 4DF12                     | SV4FB                    |
| Vinyl Siding Standoff                       | 950                                 | 4DT-VS                  | N/A                       | SV4VS                    |
| Vinyl Siding Shield Plate                   | N/A                                 | 4DT-VSP                 | N/A                       | SV4VS                    |
| Snorkel Termination 14"                     | 982                                 | 4DT-ST14                | 4D12S                     | SV4STC14                 |
| Snorkel Termination 36"                     | 981                                 | 4DT-ST36                | 4D36S                     | SV4STC36                 |

|            |   |           |   |
|------------|---|-----------|---|
| <u>FPI</u> |   | 946-205   | Vinyl Siding Shield for Riser Vent Terminal |
| 946-506/P  | Vent Guard (Optional)                               | 946-208/P | Vent Guard (Optional) - Riser Vent Terminal |
| 510-994    | Rigid Pipe Adaptor (Must use with all Rigid Piping) | 946-523/P | AstroCap Horizontal Cap                     |
| 640-530/P  | Riser Vent Terminal                                 | 946-206   | Vinyl Siding Standoff - AstroCap            |

## RIGID PIPE VENTING SYSTEMS

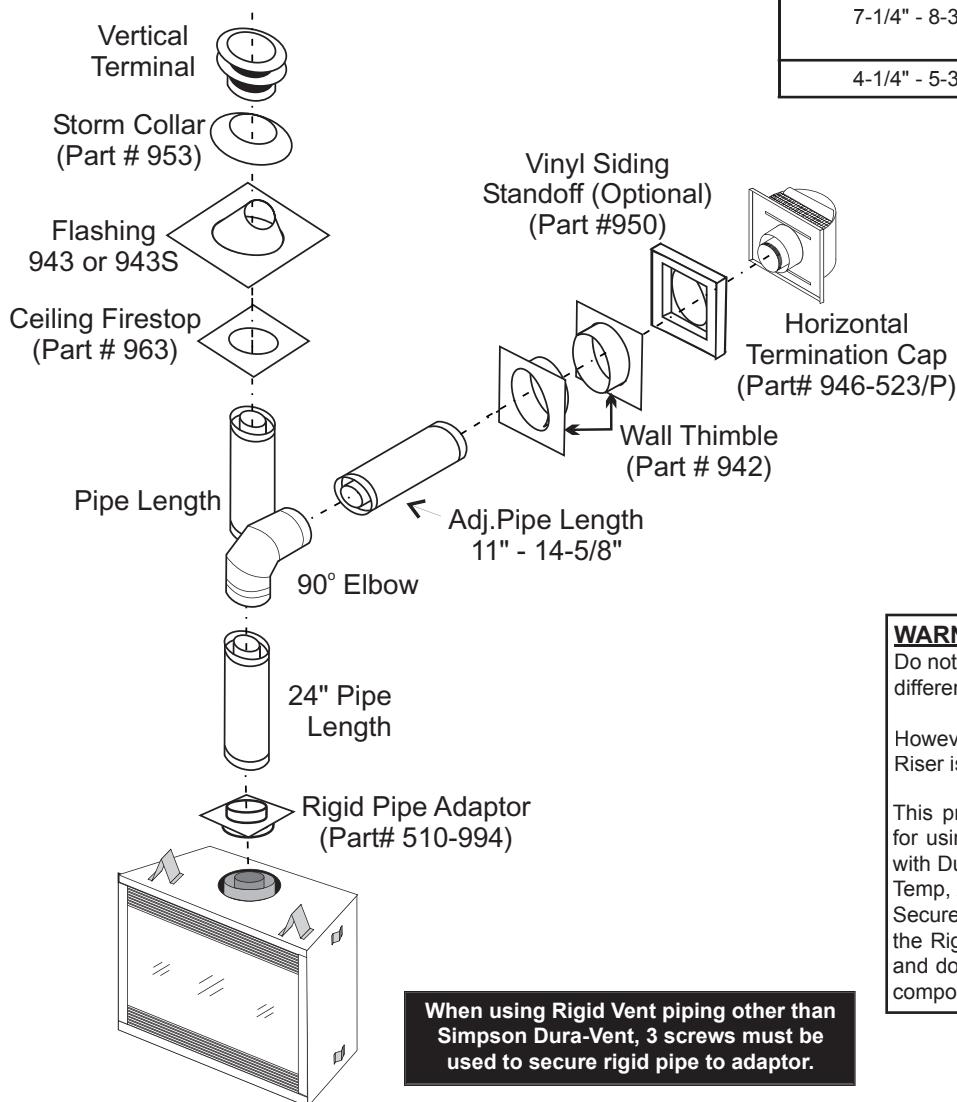
### Horizontal or Vertical Terminations

The minimum components required for a basic horizontal termination are:

- 1 Horizontal Termination Cap
- 1 90° Elbow
- 1 Rigid Pipe Adaptor
- 1 Wall Thimble
- 1 Length of pipe to suit wall thickness (see chart)

Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. For siding other than vinyl furring strips may be used, instead of the vinyl siding standoff, to create a level surface to mount the vent terminal. The Terminal must not be recessed into siding. Measure the wall thickness including furring strips.

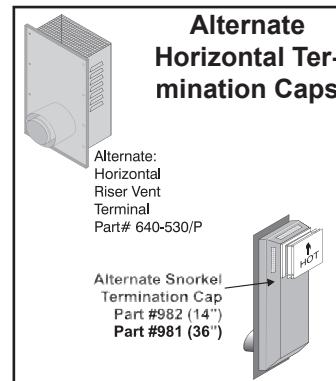
If a Vinyl Siding Standoff is required (it must be used with vinyl siding), measure to outside surface of wall without siding and add 2 inches.



| Flat Wall Installation  |                               |
|-------------------------|-------------------------------|
| Wall Thickness (inches) | Vent Length Required (inches) |
| 4" - 5-1/2"             | 6"                            |
| 7" - 8-1/2"             | 9"                            |
| 10" - 1-1/2"            | 12"                           |
| 9" - 14-1/2"            | 11" - 14-5/8" Adj. Pipe       |
| 15" - 23-1/2"           | 17" - 24" Adj.                |

| Corner Installation     |                               |
|-------------------------|-------------------------------|
| Wall Thickness (inches) | Vent Length Required (inches) |
| 3-1/4" - 6-3/4"         | 11" - 14-5/8" Adj. Pipe       |
| 7-3/4" - 16-1/4"        | 17" - 24" Adj. Pipe           |
| 7-1/4" - 8-3/4"         | 6" + 12"<br>9" + 9"           |
| 4-1/4" - 5-3/4"         | 6" + 9"                       |



#### WARNING:

Do not combine venting components from different venting systems.

However use of the the AstroCap™ and FPI Riser is acceptable with all systems.

This product has been evaluated by Intertek for using a Rigid Pipe Adaptor in conjunction with Dura-Vent Direct Vent GS, Selkirk Direct-Temp, Ameri Vent Direct venting and Security Secure Vent systems. Use of these systems with the Rigid Pipe adaptor is deemed acceptable and does not affect the Intertek WHI listing of components.

The FPI AstroCap™ and FPI Riser Vent terminal are certified for installations using FPI venting systems as well as Simpson Dura-Vent® Direct Vent GS, American Metal Products Ameri Vent Direct Vent and Selkirk Direct-Temp. AstroCap™ is the proprietary trademark of FPI Fireplace Products International Ltd. Dura-Vent® and Direct Vent GS are registered and/or proprietary trademarks of Simpson Dura-Vent Co. Inc.

# INSTALLATION

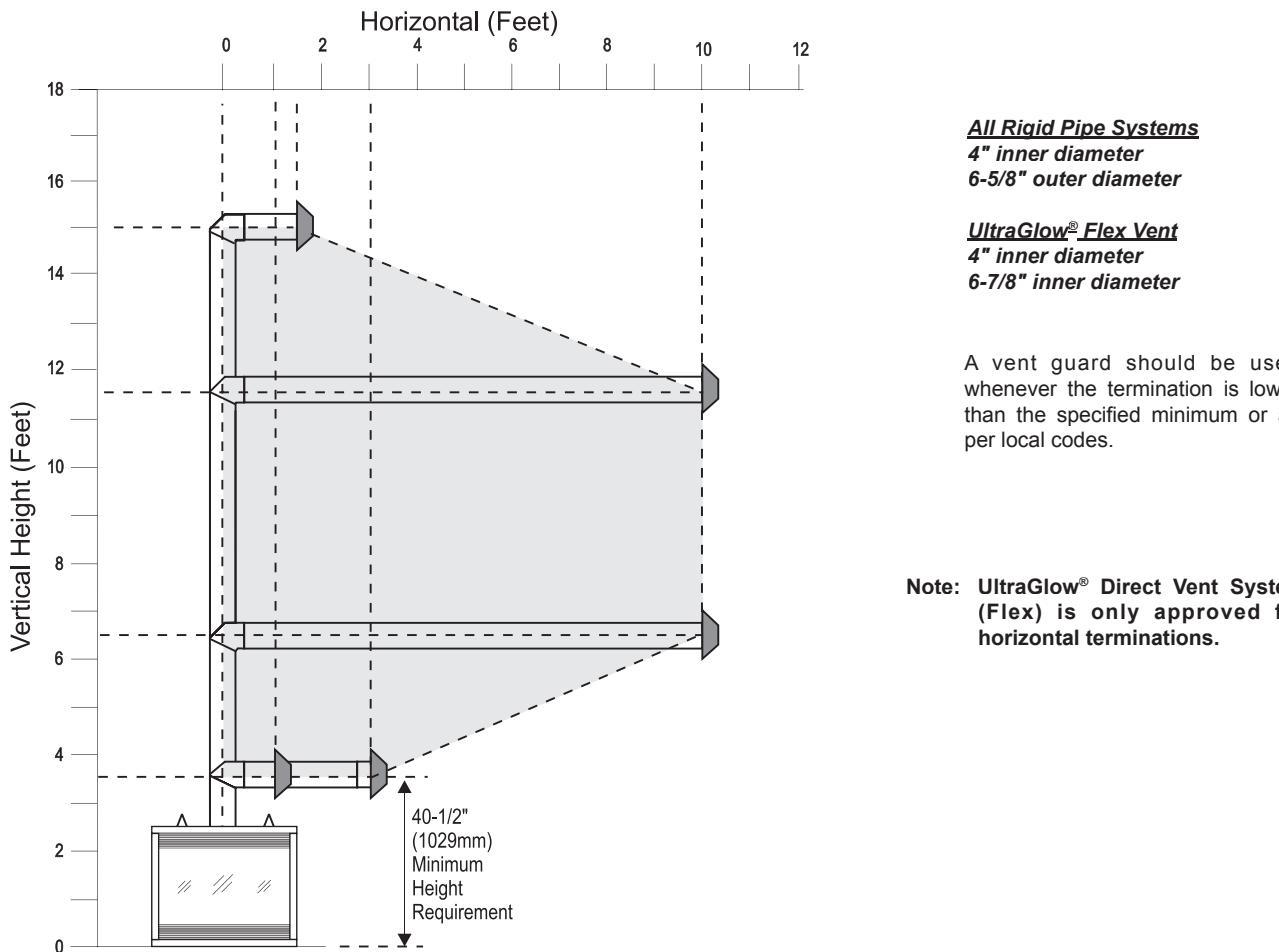
## RIGID PIPE VENTING ARRANGEMENTS - HORIZONTAL TERMINATIONS

### *UltraGlow® DIRECT VENT SYSTEM (FLEX)*

#### (Propane & Natural Gas)

The diagram shows all allowable combinations of vertical runs with horizontal terminations, using one 90° elbow (two 45° elbows equal one 90° elbow).

Note: Must use optional rigid pipe adaptor (Part # 510-994) when using rigid vent systems.



- Maintain clearances to combustibles as listed in the "Clearances," "Mantel Leg Clearances," "Framing and Finishing," & "Combustible Mantels" sections.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.

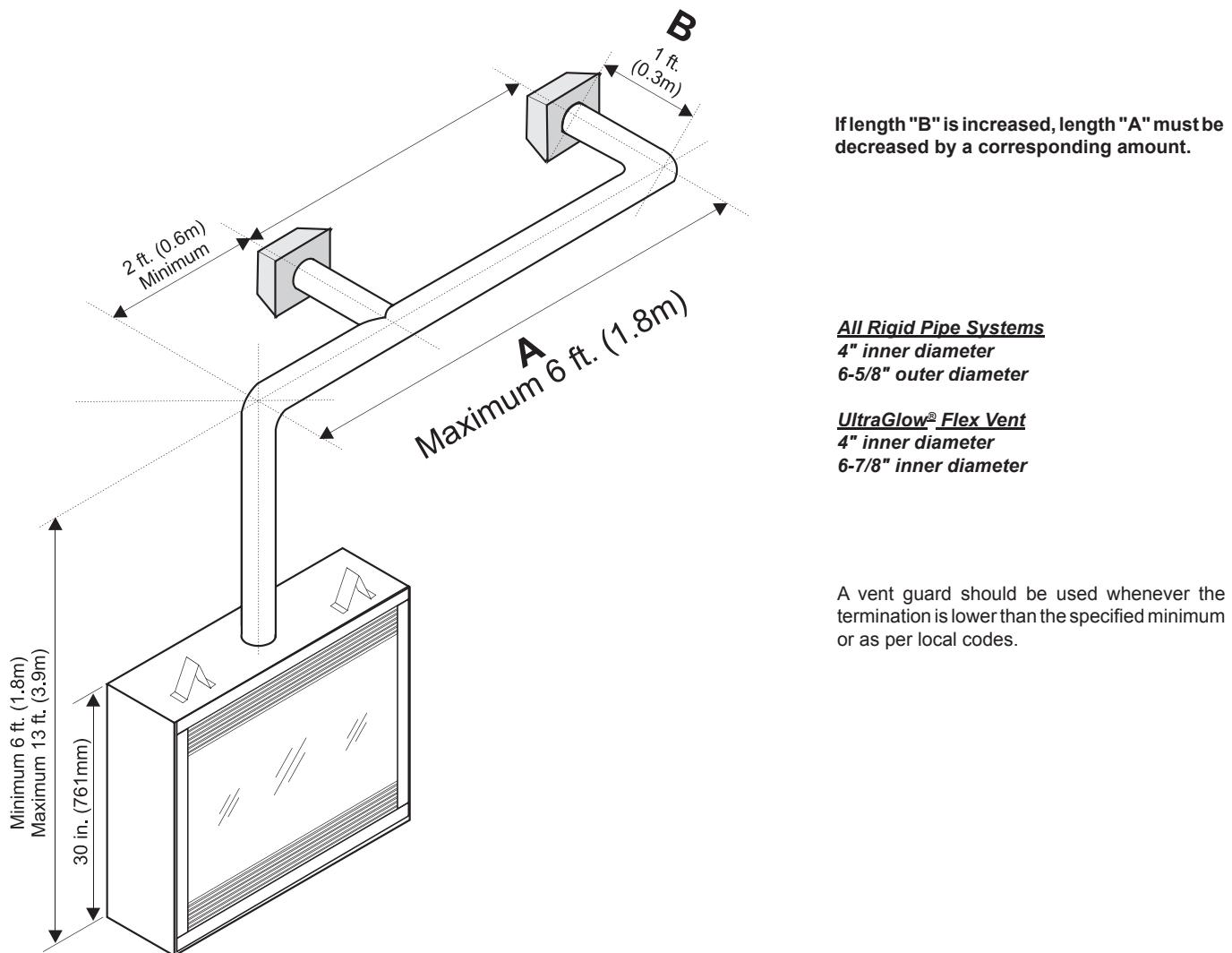
## RIGID PIPE VENTING ARRANGEMENTS - HORIZONTAL TERMINATIONS

### *UltraGlow® DIRECT VENT SYSTEM (FLEX)*

#### (Propane & Natural Gas)

The diagram below shows examples of horizontal termination arrangements using two 90° elbows (two 45° elbows equal one 90° elbow).

- Note:
- 1) A maximum of two 90° elbows are permitted.
  - 2) A minimum of 6 ft. (1.8m) vertical from base of unit is required if two 90° elbows are used.
  - 3) Minimum distance between elbows is 2 ft. (0.6m).
  - 4) Determine the permitted range of horizontal termination arrangements by using chart in the "Rigid Pipe Venting Arrangements - Vertical Termination" section and deducting 3 ft. (0.9m) from the maximum horizontal distance for the second 90° elbow.



- Maintain clearances to combustibles as listed in the "Clearances," "Locating Your Gas Stoves," "Combustible Mantels," "Framing and Finishing," & "Hearth Requirement" sections.
- Horizontal vent must be supported every 3 feet.

# INSTALLATION

## RIGID PIPE VENTING ARRANGEMENTS - VERTICAL TERMINATIONS (Propane & Natural Gas)

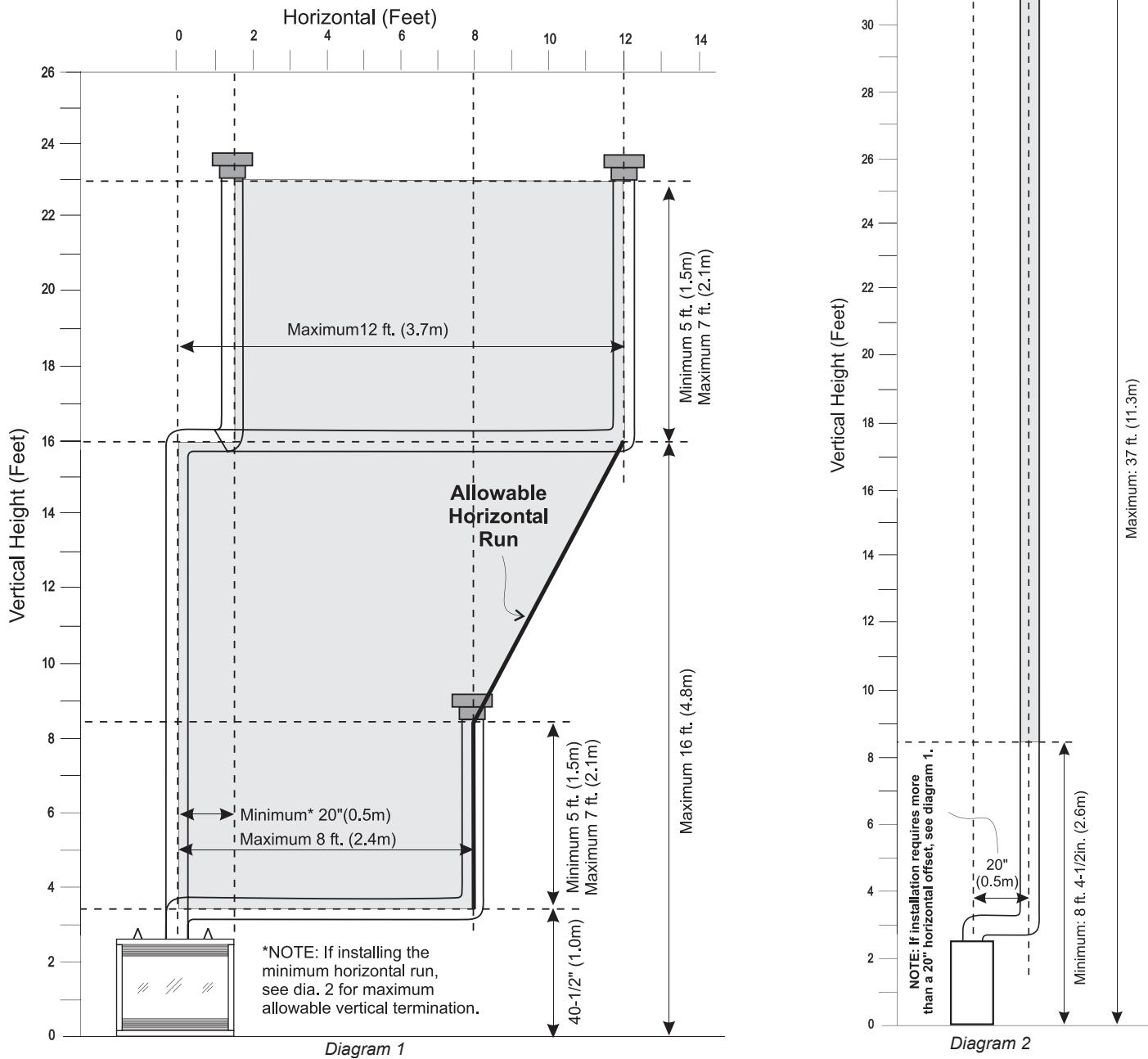
The G36D is approved for a maximum 23 ft. (7.0m) vertical, with a maximum 12 ft. (3.7m) horizontal offset using two 90° elbows (two 45° elbows equal one 90° elbow) with **Rigid Pipe** vent systems for Propane and Natural Gas, as per diagram 1.

The G36D is approved for a maximum 37 ft. (11.3m) straight vertical, including a maximum 20" (0.5m) horizontal offset using two 90° elbow (two 45° elbows equal one 90° elbow) with **Rigid Pipe** vent systems for Propane and Natural Gas, as per diagram 2.

- Vent must be supported at offsets
- Maintain clearances as listed in the "Clearances" section.
- Firestops are required at each floor level and whenever passing through a wall.

Note: Must use optional rigid pipe adaptor when using rigid vent systems (Part # 510-994).

Note: UltraGlow® Direct Vent System (Flex) is only approved for horizontal terminations.



The G36D is approved for a maximum 37 ft. (11.3m) straight vertical, with **Rigid Pipe** vent systems for Propane and Natural Gas, as per the diagram 3.

The shaded area in the diagram 3 shows all allowable combinations of straight vertical and offset to vertical terminations with **Rigid Pipe** vent systems for Propane and Natural Gas. Maximum two 45° elbows allowed.

- Vent must be supported at offsets
- Firestops are required at each floor level and whenever passing through a wall.
- Maintain clearances to combustibles as listed in the "Clearances" section.

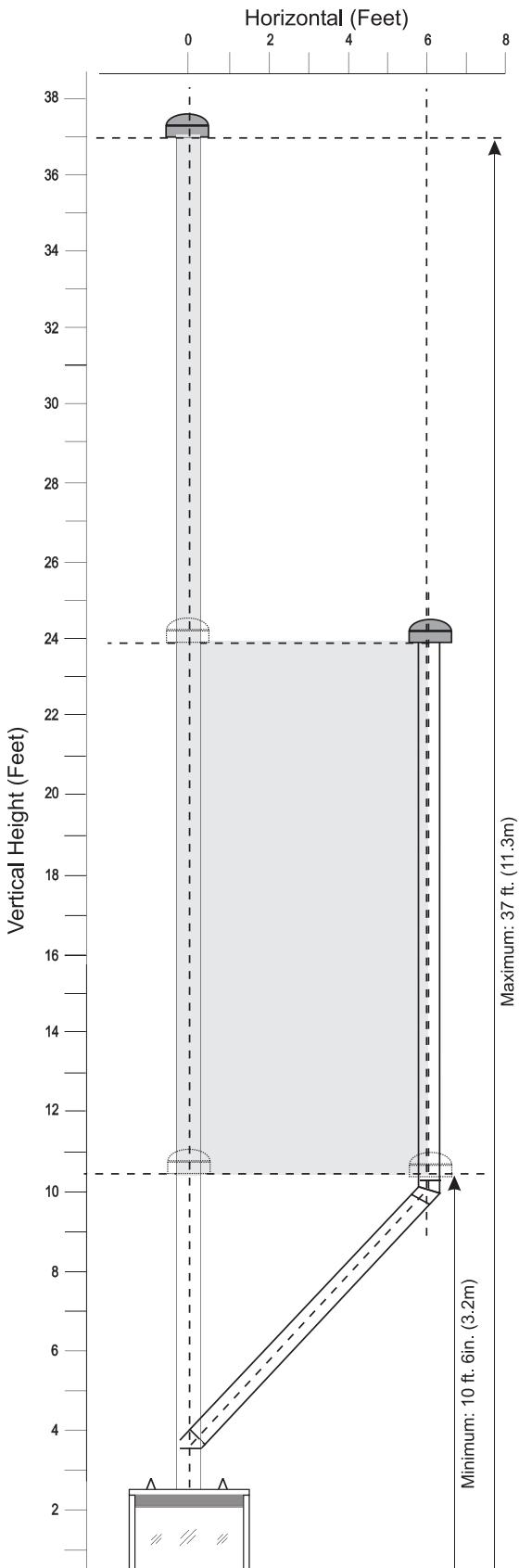


Diagram 3

# INSTALLATION

## VERTICAL TERMINATION WITH CO-LINEAR FLEX SYSTEM

**THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.**

This appliance is designed to be attached to two 3" (76mm) co-linear aluminium flex running the full length of the chimney. See the Venting Arrangements on next page for minimum and maximum heights.

### Required Parts:

| Part #  | Description   |
|---------|---|
| 946-529 | Co-linear DV Vertical Termination Cap # 946-529   |
| 948-305 | 3" Flex - 35 ft.  |
| 946-563 | Co-Axial to Co-Linear Adapter Kit   |
|         | which contains the following:<br>Co-linear Flex Adapter<br>Outer Pipe<br>Inner Pipe Adapter<br>Rigid Pipe Adaptor |
| 510-994 | Rigid Pipe Adaptor  |

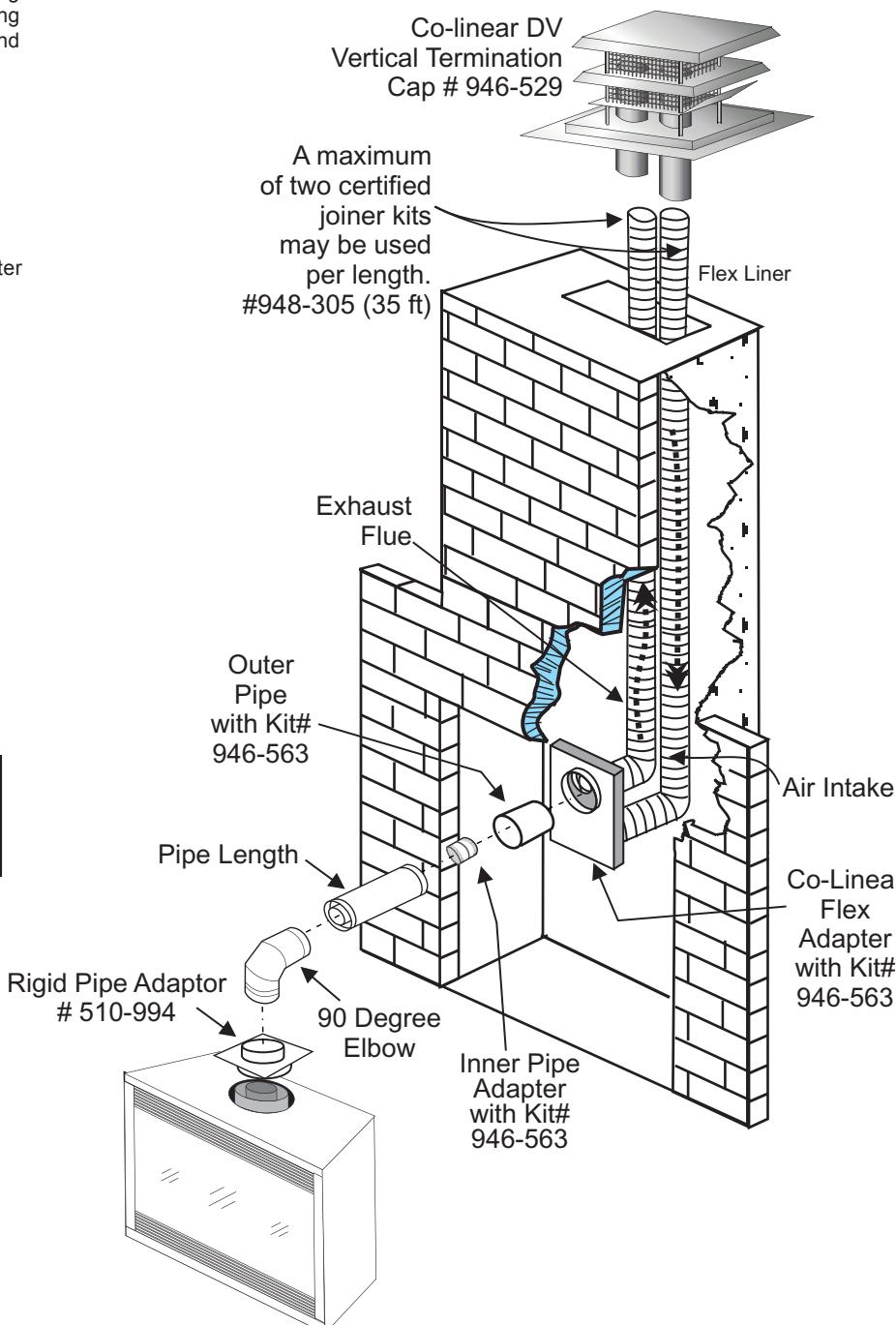
### Alternate Approved Caps

980 Vertical Termination Cap  
991 High Wind Cap  
923GK 3" Co-linear Adapter with flashing

FPI Cabinet and/or Flat Wall Mantles may be used in these applications ensuring that clearances to combustibles are maintained.

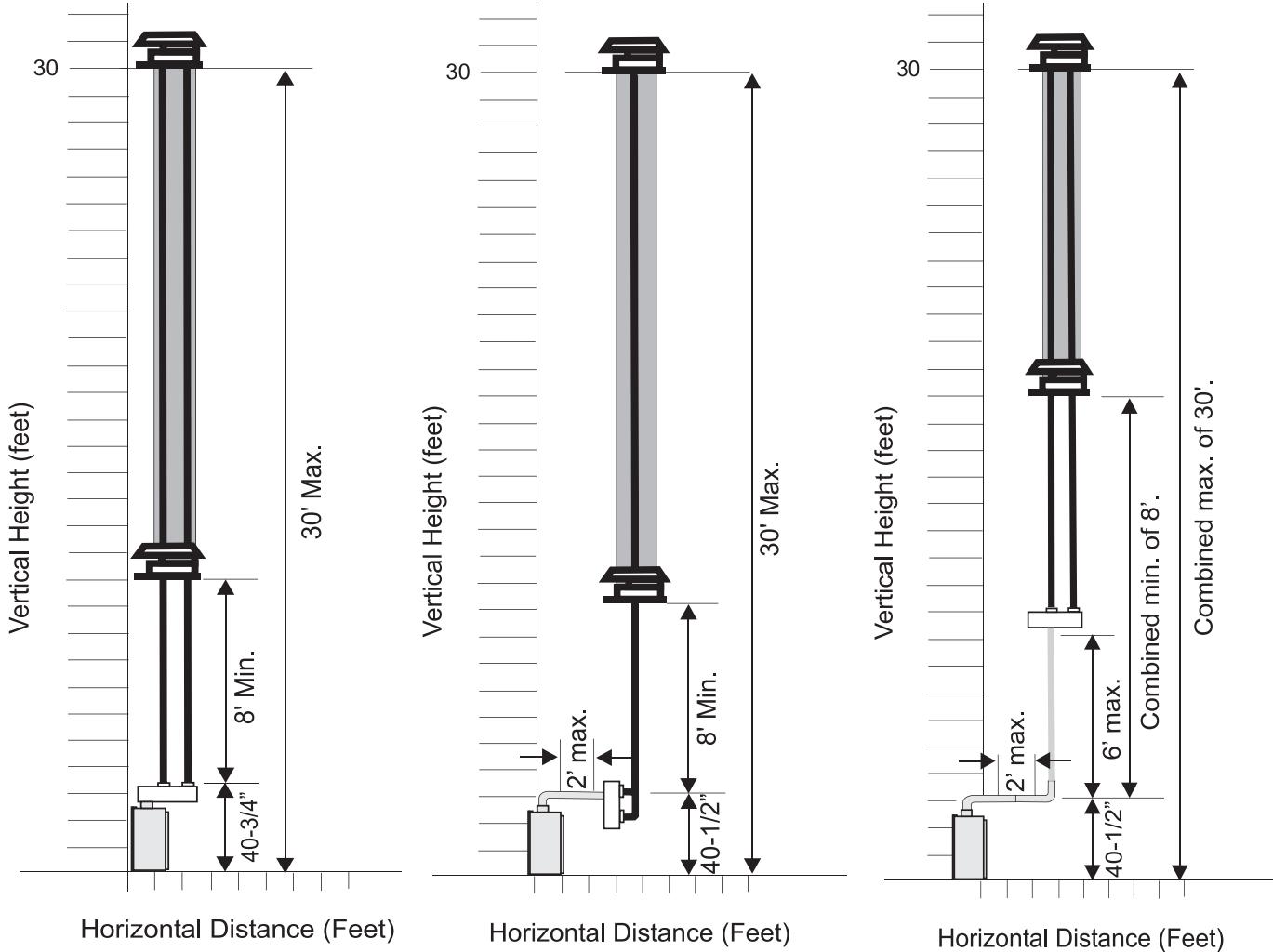
Masonry chimneys may take various contours which the flexible liner will accommodate. However, **keep the flexible liner as straight as possible**, avoid unnecessary bending.

The Air Intake pipe must be attached to the inlet air collar of the termination cap.



## VENTING ARRANGEMENTS - VERTICAL TERMINATIONS

with Co-linear Flex System for both  
Residential & Manufactured Homes  
into Masonry Fireplaces



The shaded area in the diagrams show the allowable vertical terminations.

# INSTALLATION

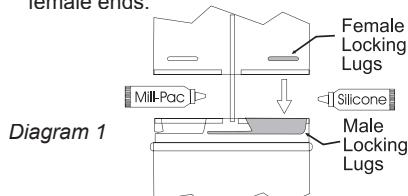
## UNIT INSTALLATION WITH HORIZONTAL TERMINATION

Install the vent system according to the manufacturer's instructions included with the components.

- 1) Set the unit in its desired location. Check to determine if wall studs or roof rafters are in the way when the venting system is attached. If this is the case, you may want to adjust the location of the unit. Rough in the gas preferably on the right side of the unit and the electrical (junction block is on the left side) on the left.
- 2) Direct Vent pipe and fittings are designed with special twist-lock connections to connect the venting system to the appliance flue outlet. A twist-lock appliance adaptor is an available option that must be used in conjunction with the Simpson Dura-Vent Direct Vent GS system.
- 3) Put a bead of silicone inside the outer section of the adapter and a bead of Mill Pac on the inner collar. Slip the adapter over the existing inner and outer flue collar and fasten to the outer collar only with the 3 supplied screws (drilling pilot holes will make this easier). Level the fireplace and fasten it to the framing using nails or screws through the nailing strips.
- 4) Assemble the desired combination of pipe and elbows to the appliance adaptor and twist-lock for a solid connection.

**Note:**

- Twist-lock procedure: Four indentations, located on the female ends of pipes and fittings, are designed to slide straight onto the male ends of adjacent pipes and fittings, by orienting the four pipe indentations so they match and slide into the four entry slots on the male ends, Diagram 1. Push the pipe sections completely together, then twist-lock one section clockwise approximately one-quarter turn, until the two sections are fully locked. The female locking lugs will not be visible from the outside, on the Black Pipe or fittings. They may be located by examining the inside of the female ends.



**Note:** Apply sealant "Mill-Pac" to inner pipe and high temperature silicone sealant to outer pipe on every twist-lock joint.

- Horizontal runs of vent must be supported every three feet. Wall straps are available for this purpose.

- 5) Mark the wall for a 10" x 10" square hole. The center of the square hole should line up with the centerline of the horizontal pipe. Cut and frame the 10 inch square hole in the exterior wall where the vent will be terminated. If the wall being penetrated is constructed of non-combustible material, i.e. masonry block or concrete, a 7"(178mm) dia. (7-1/2"(191mm) dia. for flex) hole is acceptable.

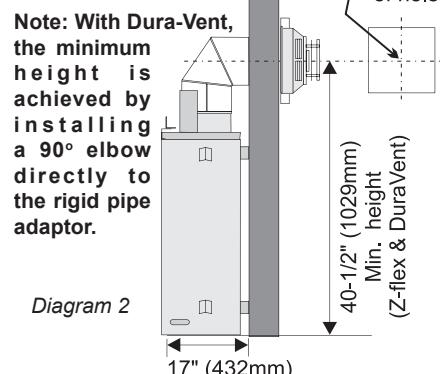


Diagram 2

**Note:**

- The horizontal run of vent must be level, or have a 1/4 inch rise for every 1 foot of run towards the termination. Never allow the vent to run downward. This could cause high temperatures and may present the possibility of a fire.
- The location of the horizontal vent termination on an exterior wall must meet all local and national building codes, and must not be blocked or obstructed. For External Vent Terminal Locations, see diagram in the "External Vent Termination Locations" section.

**c) Snorkel Terminations:**

For installations requiring a vertical rise on the exterior of the building, 14-inch and 36-inch tall Snorkel Terminations are available, as well as the standard Riser Vent. Follow the same installation procedures as used for standard Horizontal Termination. NEVER install the snorkel upside down.

Diagram 3

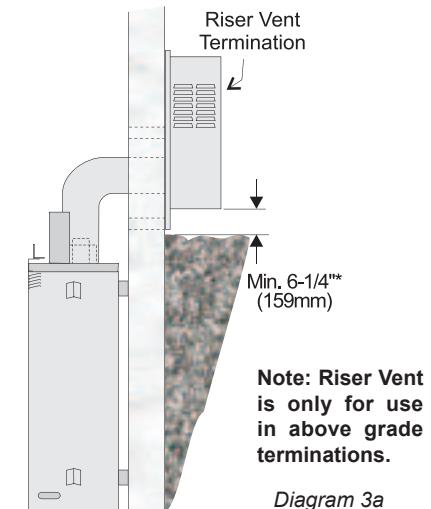


Diagram 3a

\*Diagrams 3 & 4: As specified in CGA B149 Installation Code. Local codes or regulations may require different clearances.

### Below Grade Installation

If the Snorkel Termination must be installed below grade, i.e. basement application, proper drainage must be provided to prevent water from entering the Snorkel Termination. Refer to Diagram 4. Do not attempt to enclose the Snorkel within the wall, or any other type of enclosure.

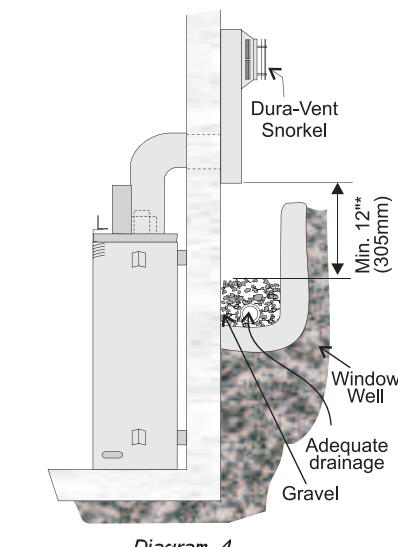


Diagram 4

**NOTE: For Snorkel terminations in ABOVE grade installations, follow national or local code requirements.**

- The arrow on the vent cap should be pointing up. Insure that the 1-1/2" clearances to combustible materials are maintained (Diagram 4). Install the termination cap.

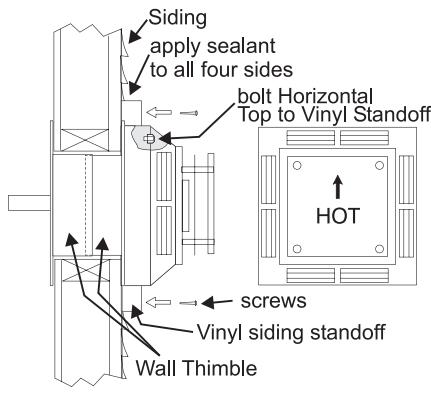


Diagram 5

The four wood screws provided should be replaced with appropriate fasteners for stucco, brick, concrete, or other types of sidings.

**Note: If installing termination on a siding covered wall, a vinyl siding standoff or furring strips must be used to ensure that the termination is not recessed into the siding.**

7) Before connecting the horizontal run of vent pipe to the vent termination, slide the Wall Thimble (Part # 942) over the vent pipe.

8) Slide the appliance and vent assembly towards the wall carefully inserting the vent pipe into the vent cap assembly. It is important that the vent pipe extends into the vent cap sufficient distance so as to result in a minimum pipe overlap of 1-1/4 inches. Secure the connection between the vent pipe and the vent cap by attaching the two sheet metal strips extending from the vent cap assembly into the outer wall of the vent pipe. Use the two sheet metal screws provided to connect the strips to the pipe section. See Diagram 6.

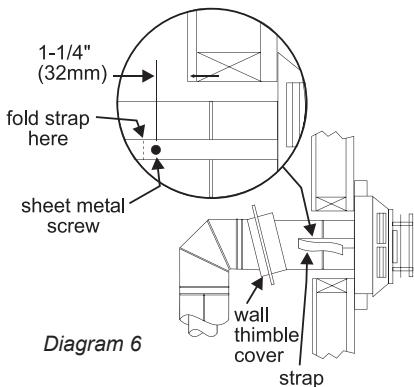


Diagram 6

9) Install wall thimble in the center of the 10" square and attach with wood screws (Diagram 7).

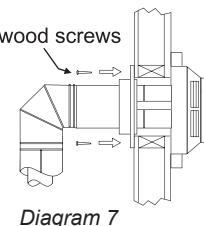


Diagram 7

## UNIT INSTALLATION WITH VERTICAL TERMINATION

1) Maintain the 1-1/2" clearances (air spaces) to combustibles when passing through ceilings, walls, roofs, enclosures, attic rafter, or other nearby combustible surfaces. Do not pack air spaces with insulation. Check the "Venting" section for the maximum vertical rise of the venting system and the maximum horizontal offset limitations.



Diagram 1

2) Set the gas appliance in its desired location. Drop a plumb bob down from the ceiling to the position of the appliance flue exit, and mark the location where the vent will penetrate the ceiling. Drill a small hole at this point. Next, drop a plumb bob from the roof to the hole previously drilled in the ceiling, and mark the spot where the vent will penetrate the roof.

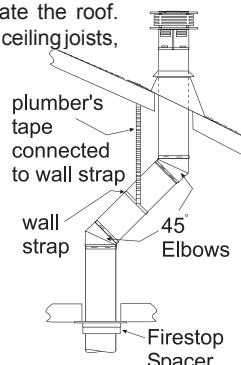
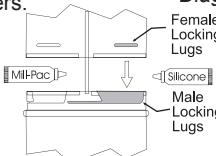


Diagram 2



**Note: Apply sealant "Mill-Pac" to inner pipe and high temperature silicone sealant to outer pipe on every twist-lock joint.**

3) A Firestop spacer must be installed in the floor or ceiling of every level. To install the Firestop spacer in a flat ceiling or wall, cut a 10 inch square hole. Frame the hole as shown in Diagram 3 and install the firestop.

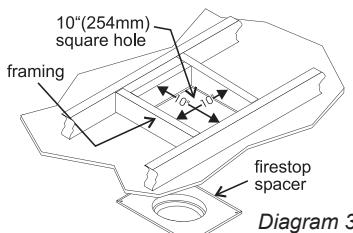
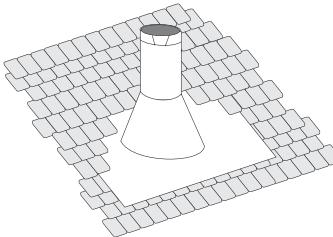


Diagram 3

4) Assemble the desired lengths of pipe and elbows. Ensure that all pipes and elbow connections are in the fully twist-locked position and sealed.

5) Cut a hole in the roof centered on the small drilled hole placed in the roof in Step 2. The hole should be of sufficient size to meet the minimum requirements for clearance to combustibles of 1-1/2". Slip the flashing under the shingles (shingles should overlap half the flashing) as per Diagram 4.



*Diagram 4: The upper half of the flashing is installed under the roofing material and not nailed down until the chimney is installed. This allows for small adjustments.*

6) Continue to assemble pipe lengths.

**Note: If an offset is necessary in the attic to avoid obstructions, it is important to support the vent pipe every 3 feet, to avoid excessive stress on the elbows, and possible separation. Wall straps are available for this purpose (Diagram 2).**

Galvanized pipe is desirable above the roofline due to its higher corrosion resistance. Continue to add pipe sections through the flashing until the height of the vent cap meets the minimum height requirements specified in Diagram 5 or local codes. Note that for

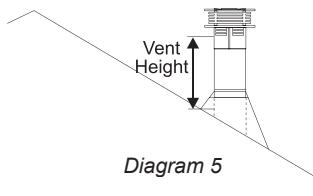


Diagram 5

| Roof Pitch          | Minimum Vent Height |        |
|---------------------|---------------------|--------|
|                     | Feet                | Meters |
| flat to 7/12        | 2                   | 0.61   |
| over 7/12 to 8/12   | 2                   | 0.61   |
| over 8/12 to 9/12   | 2                   | 0.61   |
| over 9/12 to 10/12  | 2.5                 | 0.76   |
| over 10/12 to 11/12 | 3.25                | 0.99   |
| over 11/12 to 12/12 | 4                   | 1.22   |
| over 12/12 to 14/12 | 5                   | 1.52   |
| over 14/12 to 16/12 | 6                   | 1.83   |
| over 16/12 to 18/12 | 7                   | 2.13   |
| over 18/12 to 20/12 | 7.5                 | 2.29   |
| over 20/12 to 21/12 | 8                   | 2.44   |

# INSTALLATION

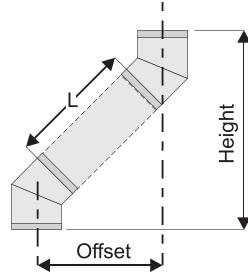
steep roof pitches, the vertical height must be increased. A poor draft, or down drafting can result from high wind conditions near big trees or adjoining roof lines, in these cases, increasing the vent height may solve the problem.

- 7) Ensure vent is vertical and secure the base of the flashing to the roof with roofing rails, slide storm collar over the pipe section and seal with a mastic.
- 8) Install the vertical termination cap by twist-locking it.

**Note:** Any closets or storage spaces, which the vent passes through must be enclosed.

## Offset Chart

| GS 6"(152mm) Nominal Diameter ID |                              |                      |  |
|----------------------------------|------------------------------|----------------------|--|
| Offset<br>inches mm              | Pipe Length (L)<br>inches mm | Height<br>inches mm  |  |
| 4 $\frac{3}{4}$ 121              | 0 0                          | 13 $\frac{1}{4}$ 337 |  |
| 9 229                            | 6 152                        | 17 $\frac{1}{2}$ 445 |  |
| 11 $\frac{1}{4}$ 286             | 9 229                        | 19 $\frac{1}{2}$ 495 |  |
| 13 $\frac{1}{4}$ 337             | 12 305                       | 21 $\frac{3}{4}$ 552 |  |
| 21 $\frac{3}{4}$ 552             | 24 610                       | 30 $\frac{1}{4}$ 768 |  |
| 30 $\frac{1}{4}$ 768             | 36 914                       | 39 991               |  |
| 38 965                           | 48 1219                      | 47 1194              |  |



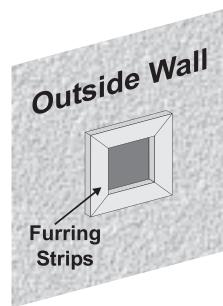
## INSTALLATION PROCEDURES

### for UltraGlow® Direct Vent System (Flex)

- 1) Locate the unit in the framing, rough in the gas (preferably on the right side of the unit) and the electrical (Junction block is on the left side) on the left. Locate the centerline of the termination and mark wall accordingly. Cut a 10"(254mm) hole in the wall (inside dimension).

**Note:** A 1-1/2"(38mm) clearance around the liner must be maintained except that only a 1" (25mm) clearance is needed at the termination end. We recommend framing a 10"(254mm) x 10"(254mm) (inside dimensions) hole to give structural rigidity for mounting the termination.

**Note:** To make the installation more aesthetically pleasing, we recommend framing outasquare to mount the terminal to.



**Note:** If installing termination on a siding covered wall, furring strips must be used to ensure that the termination is not recessed into the siding.

- 2) Level the fireplace and fasten it to the framing using nails or screws through the nailing strips.
- 3) Assemble the vent assembly by applying Mill Pac to the 4"(100mm) inner collar of the termination and slipping the 4"(100mm) liner over it at least 1-3/8" (35mm). Fasten with the 3 screws (drilling pilot holes will make this easier). Apply Mill Pac or high temperature silicone to the 6-7/8"(175mm) flex pipe and slip it over the 6-7/8"(175mm) outer collar of the vent terminal at least 1-3/8"(35mm) and fasten with the 3 screws.

**NOTE:** Horizontal sections must be supported at intervals not exceeding 3 feet (0.9 meter). (Flame picture and performance will be affected by sags in the liner).

- 4) Separate the 2 halves of the wall thimble and securely fasten the one with the tabs to the outside wall making sure that the tabs are on top and bottom. Fasten the other thimble half to the inside wall. The thimble halves slip inside each other and can be adjusted for 2 x 4 or 2 x 6 walls. **The liners must slip over the collars a minimum of 1-3/8".**

- 5) Slip the assembled liner and termination assembly through the thimble making sure the termination cap faces up (there are markings on the cap that show which way is up). This will position the termination cap with proper down slope for draining water. Fasten the cap to the outer wall with the 4 supplied screws.

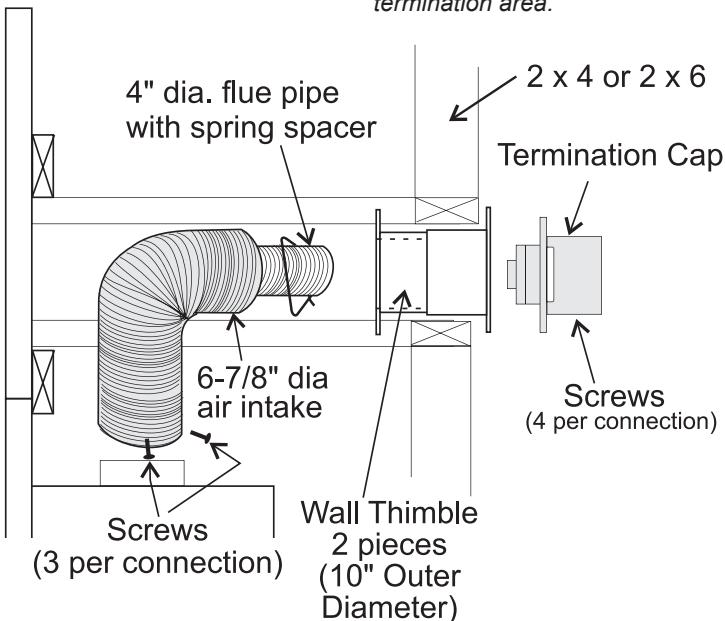
- 6) Pull the centre 4"(100mm) liner and outer 6-7/8"(175mm) liner out enough to slip over the flue collars of the fireplace. (You may wish to cut the liner shorter to make it more workable.) Do not bend liner more than 90°.

- 7) Apply Mill Pac over the fireplace inner collar and slip the 4"(100mm) liner down over it and attach with 3 supplied screws.

- 8) Do the same with the 6-7/8"(175mm) liner.

- 9) Apply a bead of silicone between the thimble and termination and around the outer edge of the terminal at the wall in order to keep the water out.

**IMPORTANT:** Do not locate termination hood where excessive snow or ice buildup may occur. Be sure to check vent termination area after snow falls, and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area.



## G36D-NG1 System Data

For 0 to 4500 feet altitude

**Burner Inlet Orifice Sizes:** #42

**Max. Input Rating** 26,000 Btu/h

**Min. Input Rating** 13,100 Btu/h

**Supply Pressure** min.5.0" w.c.

**Manifold Pressure (High)** 3.8"+/- 0.2" w.c.

**Log Set:** Ceramic fibre, 7 per set.

**Vent System:** Simpson Dura-Vent Direct Vent System or UltraGlow® Direct Vent System (Flex)

It is always best to consult with your local authorities and the CAN/CGA B149 installation code.

For USA installations follow local codes and/or the current National Fuel Gas Code, ANSI Z223.1.

When using copper or flex connectors use only approved fittings. Always provide a union so that gas lines can be easily disconnected for servicing. Flare nuts for copper lines and flex connectors are usually considered to meet this requirement.

**Important:** Always check for gas leaks with a soap and water solution or gas leak detector. Do not use open flame for leak testing.

## G36D-LP1 System Data

For 0 to 4500 feet altitude

**Burner Inlet Orifice Sizes:** #53

**Max. Input Rating** 26,000 Btu/h

**Min. Input Rating** 13,800 Btu/h

**Supply Pressure** min.12.0" w.c.

**Manifold Pressure (High)** 11"+/- 0.2" w.c.

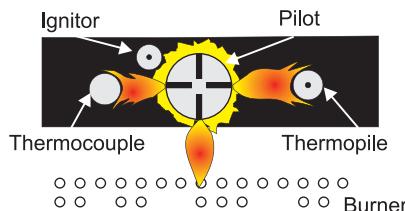
**Log Set:** Ceramic fibre, 7 per set.

**Vent System:** Simpson Dura-Vent Direct Vent System or UltraGlow® Direct Vent System (Flex)

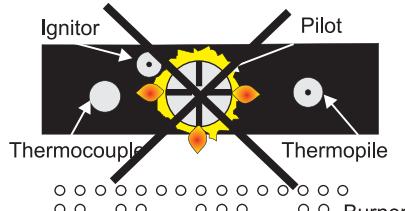
## PILOT ADJUSTMENT

Periodically check the pilot flames. Correct flame pattern has three strong blue flames: 1 flowing around the thermopile, 1 around the thermocouple and 1 flowing across the burner (it does not have to be touching the burner).

**Note:** If you have an incorrect flame pattern, contact your Regency® dealer for further instructions.



Incorrect flame pattern will have small, probably yellow flames, not coming into proper contact with the rear burner or thermopile or thermocouple.



## HIGH ELEVATION

This unit is approved in Canada for altitude 0 to 4500 ft. (CAN1 2.17-M91) with the orifice supplied.

## GAS LINE INSTALLATION

The gas line can be brought through either the right or the left side of the appliance. The gas valve is situated on the right hand side of the unit and the gas inlet is on the right hand side of the valve.

**Note:** If the gas line is being installed from the left side, be sure to leave room to accommodate servicing of the fan.

The gas line connection may be made of rigid pipe, copper pipe or an approved flex connector. (If you are using rigid pipe, ensure that the valve can be removed for servicing.) Since some municipalities have additional local codes it is

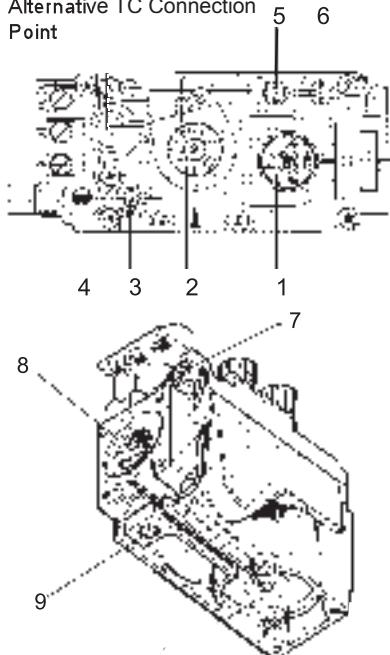
The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point.

**Note:** To properly check gas pressure, both inlet and manifold pressures should be checked using the valve pressure ports on the valve.

- 1) Make sure the valve is in the "OFF" position.
- 2) Loosen the "IN" and/or "OUT" pressure tap(s), turning counterclockwise with a 1/8" wide flat screwdriver.
- 3) Attach manometer to "IN" and/or "OUT" pressure tap(s) using a 5/16" ID hose.
- 4) Light the pilot and turn the valve to "ON" position.
- 5) The pressure check should be carried out with the unit burning and the setting should be within the limits specified on the safety label.
- 6) When finished reading manometer, turn off the gas valve, disconnect the hose and tighten the screw (clockwise) with a 1/8" flat screwdriver. **Note: Screw should be snug, but do not over tighten.**

## S.I.T. VALVE DESCRIPTION

- 1) Gas on/off knob
- 2) Manual high/low adjustment
- 3) Pilot Adjustment
- 4) Thermocouple Connection - option
- 5) Outlet Pressure Tap
- 6) Inlet Pressure Tap
- 7) Pilot Outlet
- 8) Main Gas Outlet
- 9) Alternative TC Connection Point



## GAS PIPE PRESSURE TESTING

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig. (3.45 kPa). Disconnect piping from valve at pressures over 1/2 psig.

# INSTALLATION

## CONVERSION KIT #773-969 FROM NG TO LPG FOR G36D-1 USING SIT 820 NOVA GAS VALVE

THIS CONVERSION MUST BE DONE BY A QUALIFIED GAS FITTER IF IN DOUBT DO NOT DO THIS CONVERSION !!

### Each Kit contains one LPG Conversion Kit and one DC Sparker Kit.

#### LPG Conversion Kit Contains:

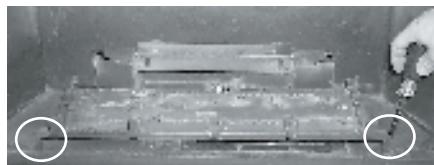
| Qty. Part # | Description                 |
|-------------|-----------------------------|
| 1 904-345   | Burner Orifice #53          |
| 1 908-528   | Red "LPG" label             |
| 1 908-255   | Label "Converted to LPG"    |
| 1 908-529   | 5/32" Allen Key             |
| 1 910-037   | LP Injector (Pilot Orifice) |
| 1 918-476   | Instruction Sheet           |

#### DC Sparker Kit Contains:

| Qty. Part # | Description                          |
|-------------|--------------------------------------|
| 1 820-475   | Bracket DC Sparker                   |
| 1 820-476   | Bracket DC Sparker                   |
| 1 904-153   | Washer #8 External Star              |
| 1 904-330   | Nut 8-32 Hex                         |
| 1 904-438   | Plug Nylon 0.750 Hole, Black         |
| 2 904-531   | Bushing Split Plastic 0.500 in.      |
| 1 904-543   | Screw 8-32 x 3/4 Pan Head            |
| 2 904-553   | Screw #8 x 1/2 Type "B", Black Oxide |
| 1 910-073   | Spark Generator Battery Holder       |
| 1 910-074   | Spark Generator Switch C/W Wire      |
| 1 910-078   | Battery Size AA                      |
| 1 910-199   | Energizer En91                       |
| 1 910-903   | Clip Wire Holder                     |
| 1 910-480   | Wire Fan To Power Cord               |
| 1 904-781   | Ground 30 in.                        |
| 1 904-782   | Instruction Sheet                    |
|             | Velcro Hook, Black                   |
|             | Velcro Hook, Black                   |

### Installation of LPG Conversion Kit:

- 1) Shut off the gas supply.
- 2) Remove the louvers (and bay door if it is installed).
- 3) Open the flush door and remove the door.
- 4) Remove the logs and embers.
- 5) Remove the 2 screws holding the Burner Assembly to the firebox base. Push the Burner Assembly to the left and lift out.



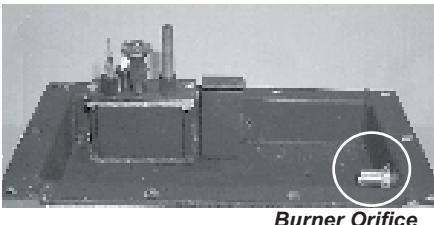
*Remove the 2 screws, push Burner Assembly to the left and lift out.*



- 6) Pull off the pilot cap to expose the pilot orifice.
- 7) Unscrew the pilot orifice with the allen key and replace with the LP pilot orifice in the kit and replace pilot cap.

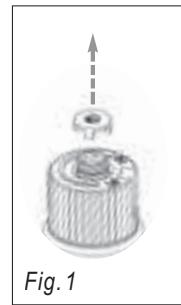


- 8) Remove burner orifice with a 1/2" wrench and discard. Use another wrench to hold on to the elbow behind the orifice.

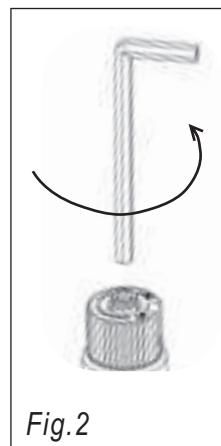


- 9) Reinstall new burner orifice LP stamped #53 and tighten.
- 10) Turn control knob to the "OFF" position.

- 11) Remove the black protection cap by hand from the high-low knob (Fig.1).

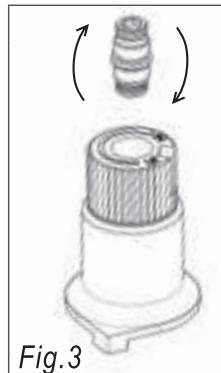


- 12) Insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the screw (Fig. 2), rotate it counter-clockwise until it is free and extract it.

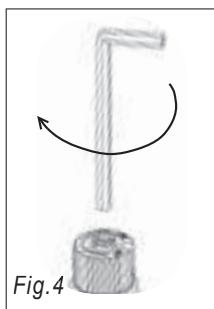


- 13) Check that the screw is clean and if necessary remove dirt.

- 14) Flip the screw (Fig. 3).

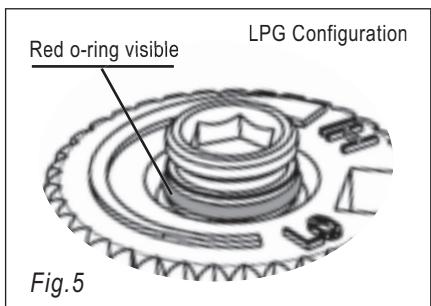


- 15) Using the Allen wrench as shown in Fig.4, rotate the screw clockwise until snug, do not overtighten.

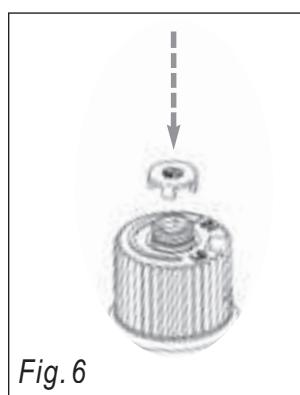


**WARNING!**  
Do not overtighten the screw  
Recommended to  
grip the wrench by  
the short side.

- 16) Verify that if the conversion is from NG to LPG, the screw must be re-assembled with the red o-ring visible (Fig. 5).



- 17) Re-assemble the black protection cap (Fig. 6).

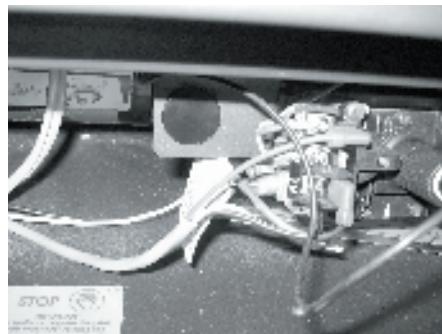


## WARNING!

Also check that the pilot  
and main burner injectors are  
appropriate for the gas type.

- 18) Reverse steps 5) to 2).  
19) Attach the label "This unit has been converted to LPG" near or on top of the serial # decal.  
20) Replace yellow "Natural Gas" label with red "Propane" label.

- 24) Install the 3/4" nylon plug to cover up the hole on the mounting bracket.

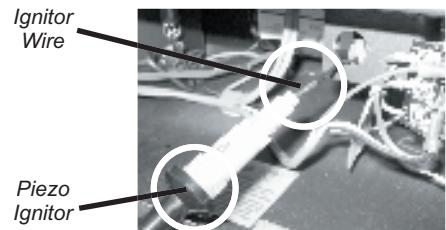


## Installation of the DC Sparker:

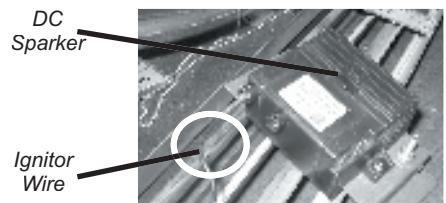
- 21) Locate the Piezo Ignitor situated at the side of valve.



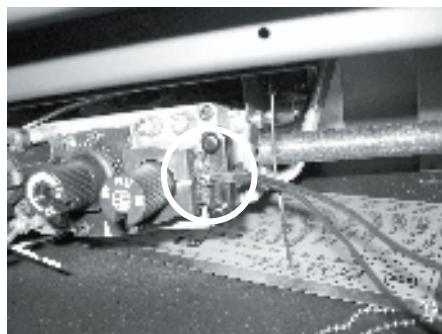
- 22) Remove the Piezo Ignitor by unscrewing the nut at the back of the mounting bracket.



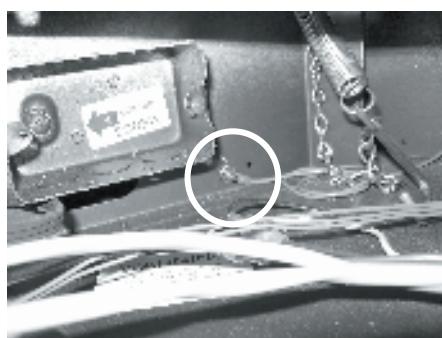
- 23) Disconnect the ignitor wire from the Piezo Ignitor and connect it to the D.C. Sparker.



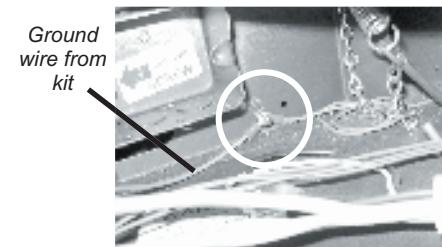
- 25) Connect the DC spark generator wires to the SIT Valve with the screw, which is provided in the kit.



- 26) Locate the ground lug at the receptical box, left of the unit.



- 27) Connect one end of the supplied green ground wire to the lug with the nut and washer from the kit.



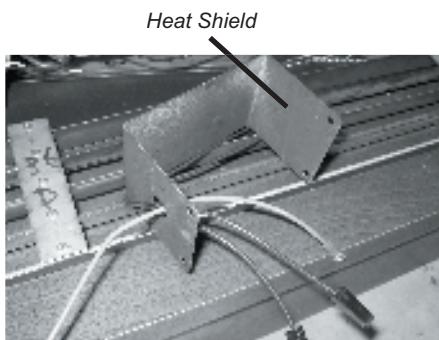
# INSTALLATION

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- 28) Install the 1/2" bushing to the heat shield.



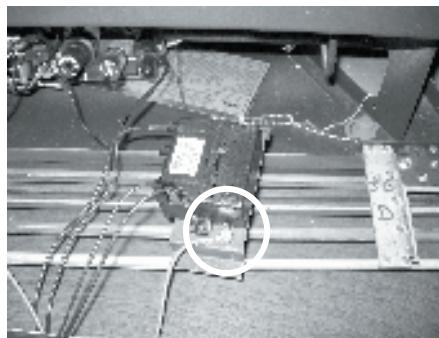
- 29) Run the other end of the ground wire and DC spark generator wires through the bushing on the heat shield.



- 30) Plug the DC spark generator wires to the DC Sparker.



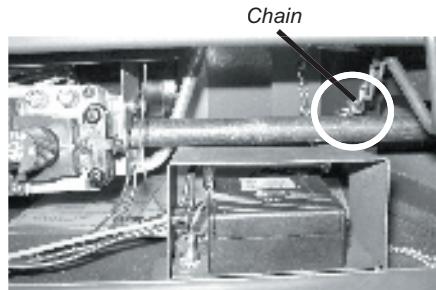
- 31) Connect the ground wire to the DC Sparker mounting bracket.



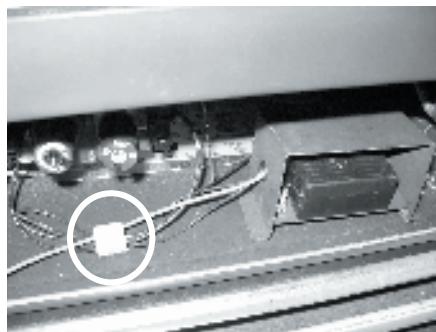
- 32) Mount the heat shield to the DC Sparker. Secure into place with the velcro, which is provided in the kit.



- 33) Find a location which is not too hot and is easy to reach for changing the battery. **Note:** It should be kept away from the chain.



- 34) Tie up the loose wire with the wire clip.



- 35) Check for gas leaks.

- 36) Check inlet and outlet pressures.

- 37) Check operation of flame control.

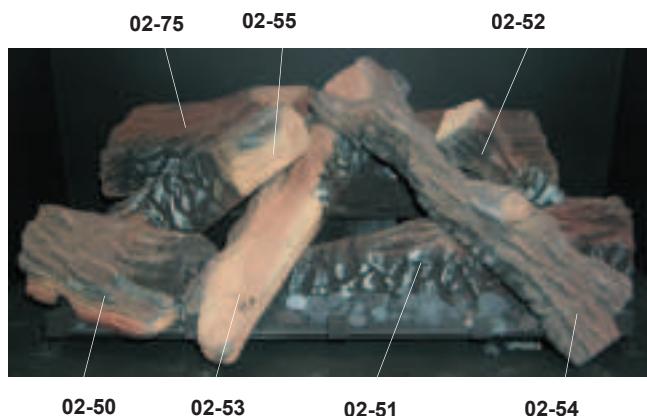
- 38) Check for proper flame appearance and glow on logs.

## LOG SET INSTALLATION

Read the instructions below carefully and refer to the diagrams. If logs are broken do not use the unit until they are replaced. Broken logs can interfere with the pilot operation.

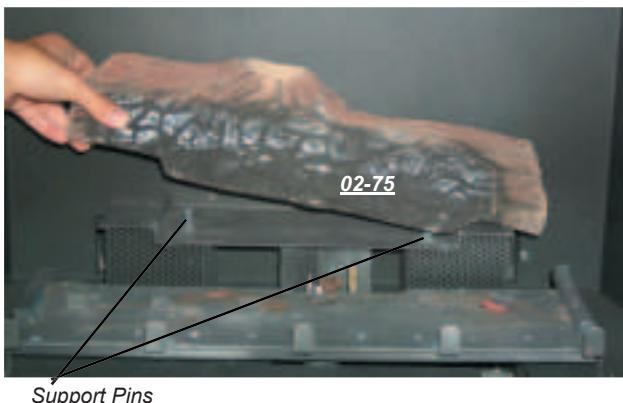
The gas log kit (Part # 780-930) contains the following pieces:

- |          |                  |         |
|----------|------------------|---------|
| a) 02-75 | Rear Log         |         |
| b) 02-55 | Middle Left Log  |         |
| c) 02-50 | Front Left Log   |         |
| d) 02-53 | Center Left Log  |         |
| e) 02-51 | Front Bottom Log |         |
| f) 02-54 | Center Right Log |         |
| g) 02-52 | Middle Right Log |         |
| h)       | Embers           | 902-156 |
| i)       | Vermiculite      | 902-179 |

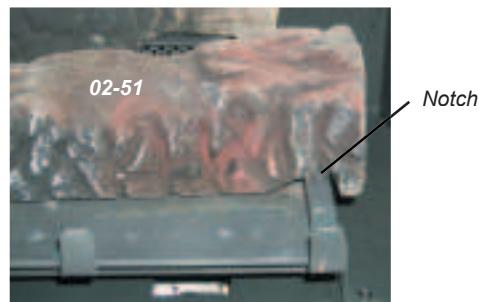
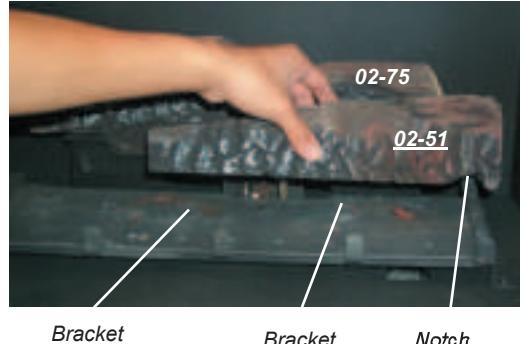


The "02" refer numbers (i.e. 02-75) are molded into the rear of each log.

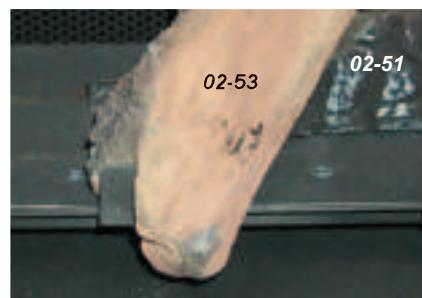
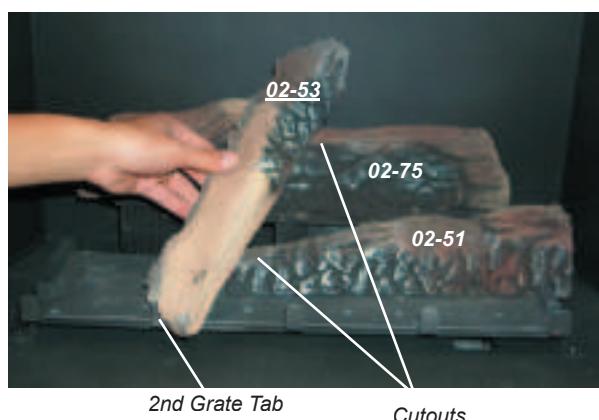
- 1) Carefully remove the logs from the box and unwrap them. The logs are fragile, handle with care - **do not force into position**.
- 2) Sprinkle the vermiculite all over the top of the base brick panel.
- 3) Place Log 02-75 on the rear log support pins with the flat side to the back.



- 4) Place Log 02-51 on the front right side of the burner. Push the back of the log against the 2 brackets with the notch on the bottom right side of the log fitting into the right side of the grate.

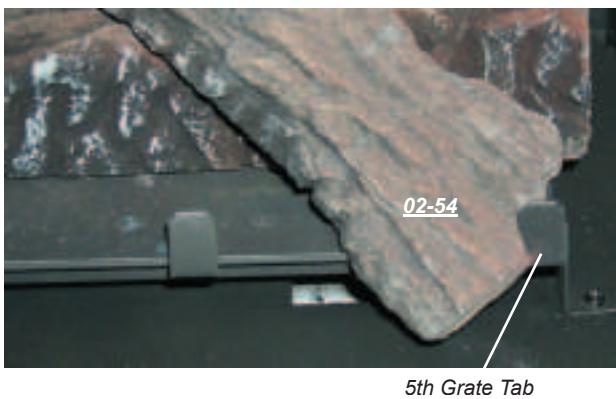
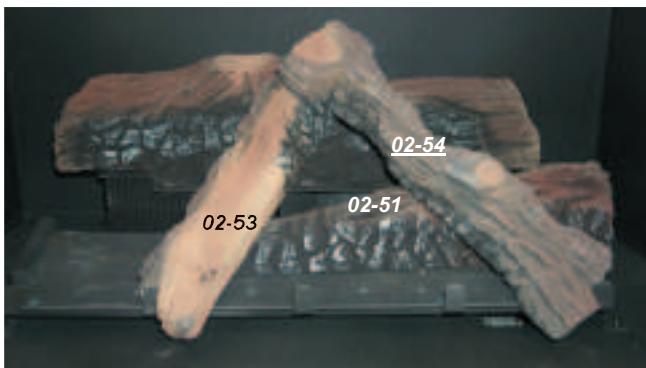


- 5) Position Log 02-53 across the cutouts in Logs 02-75 and 02-51 with the notch on the left side of the log fitting into the 2nd grate tab.

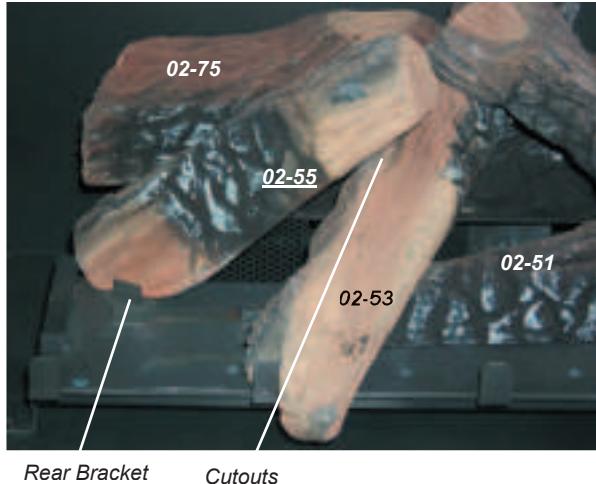


# INSTALLATION

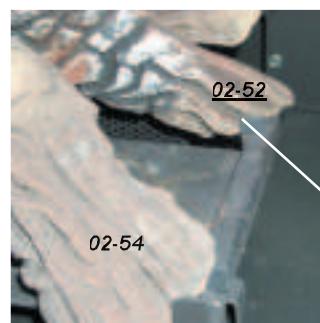
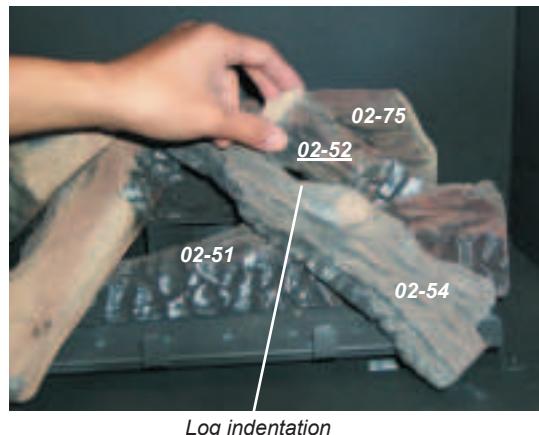
- 6) Position Log 02-54 across the cutouts in Logs 02-51 and 02-53. The notch in the bottom right end fitting against the 5th grate tab.



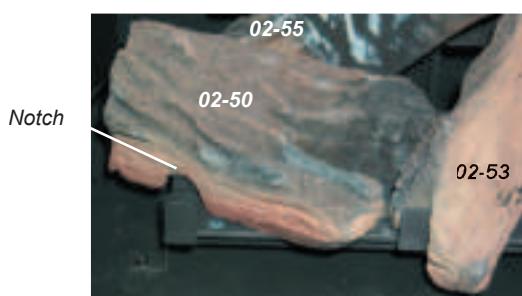
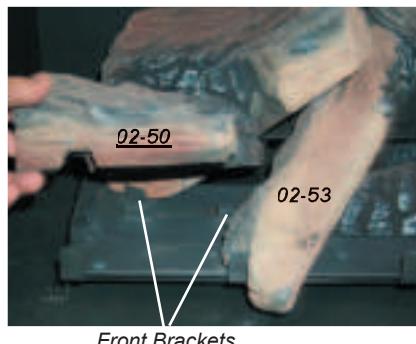
- 7) Place the bottom left front edge of Log 02-55 against the rear bracket on the burner tray and rest the log on the cutout on Log 02-53.



- 8) Place Log 02-52 between Logs 02-51 and 02-75 and on the indentation on Log 02-54. The bottom right end sits behind the rear grate tab.



- 9) Sit Log 02-50 on the front left side of the burner. Push the back of the log against the 2 front brackets with the notch on the bottom of the log fitting into the first grate tab.

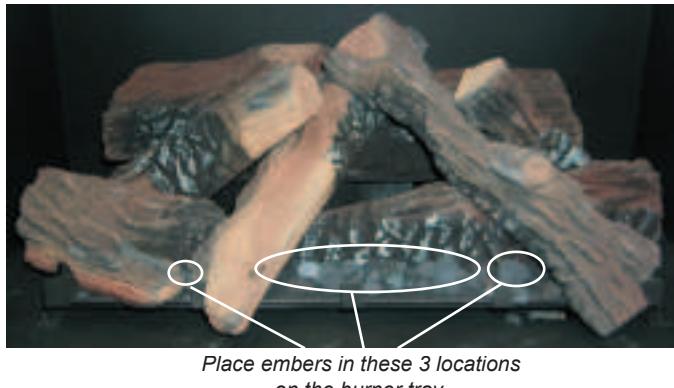


# INSTALLATION

- 10) Place the embers on the front of the burner tray in the places shown on the photos below.

- 11) Test fire to ensure proper light off (make sure flame flows smoothly from one end of burner to the other). If there is any flame hesitation, check that area for any blockage of the burner ports.

- 12) Install flush glass as per instructions in manual.



# INSTALLATION

## STANDARD FLUSH DOOR

The standard flush door comes with a black frame. To install the frame, simply hook the top door flange onto the top of the unit and swing the door towards the unit, diagram 1.

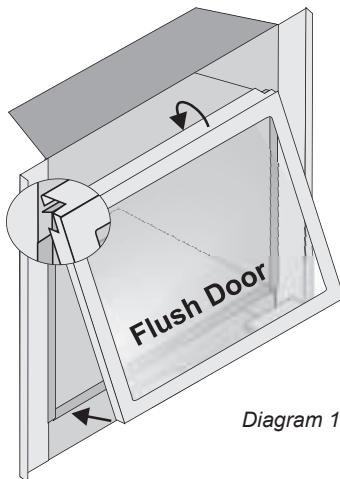
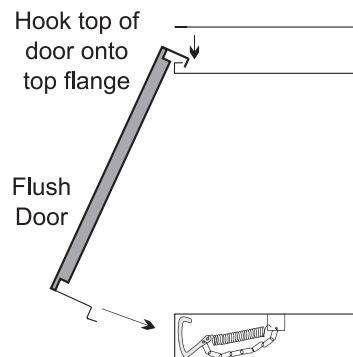


Diagram 1



Be careful that the glass gasket does not roll up; there must be a gap between the gasket and the door lip to ensure that the door sits securely on the unit. Diagram 2.

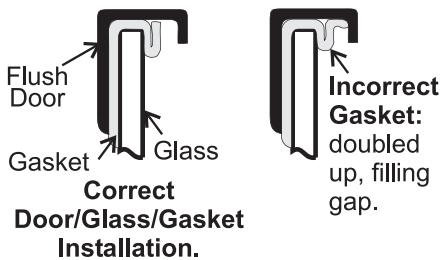


Diagram 2

Use the hook to pull the spring out until you can put the hook into the slot on the bottom door bracket. Repeat for 2nd spring. See diagram 3.

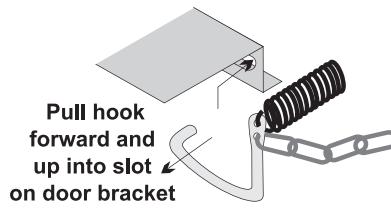
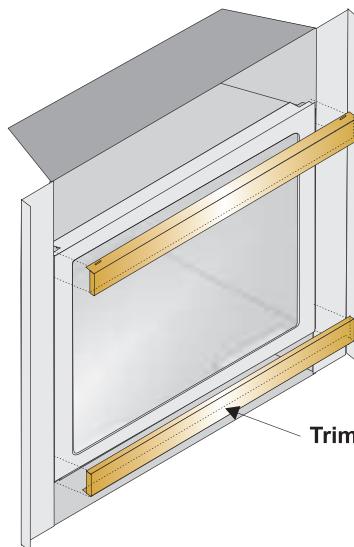


Diagram 3

To remove the flush door, reverse the above steps.

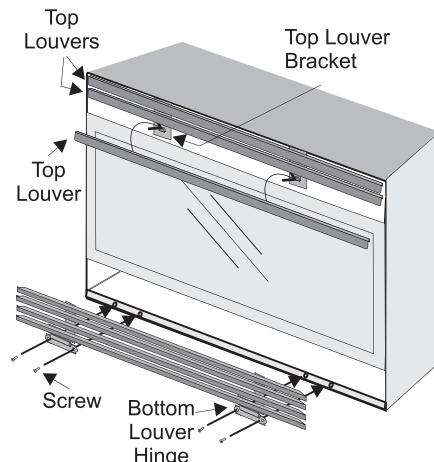
## Optional Flush Trim

Attach the round magnets to the back of the top trim piece and to the bottom trim piece, then attach trim to the top and bottom of Flush door.

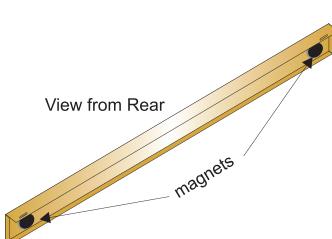


## Flush Louvers

- 1) Install each top by clipping the louver lip onto the top louver brackets ensuring that each individual louver is centered from side to side.
- 2) The bottom louver has a hinge that is attached (2 screws per hinge) to the lip on bottom of the unit.
- 3) Open the bottom louver. Pull the Burner ON/OFF control box from inside the bottom of the fireplace and position the slots in the bracket over the 2 screws on the left side of the bottom louver. Push down to lock into place. Tighten the screws.



Note: Top and bottom louvers are different.

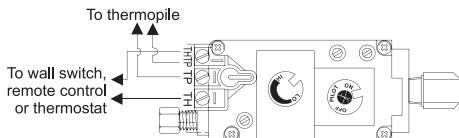


## Option 1: REMOTE CONTROL

Use the UltraGlow® Remote Control Kit approved for this unit. Use of other systems may void your warranty.

The remote control kit comes with a hand held transmitter, a receiver and a wall mounting plate.

- 1) Choose a convenient location on the wall to install the receiver and the receptacle box (protection from extreme heat is very important). Run wires from the fireplace to that location. Use the Thermostat Wire Table.
- 2) Connect the two wires to the gas valve. See diagram below.



**CAUTION**  
Do not connect millivolt remote control wires to a 120V wire.

- 3) Install 3 AAA alkaline batteries in transmitter and 4 AA alkaline batteries in the receiver. Install the receiver and its cover in the wall. Switch the remote receiver to "remote" mode. The remote control is now ready for operation.

## Option 2: WALL SWITCH

- 1) Run the wire through the right or left side inlet opening. Be careful not to damage wire.

**Note:** We recommend a maximum of 15' of wire but if you wish to go with a longer run, use the Thermostat Wire Table.

- 2) Connect the wire to the wall switch and install into the receptacle box.

**CAUTION**  
Do not connect millivolt wall switch wire to a 120V wire.

## Option 3: WALL THERMOSTAT

A wall thermostat may be installed if desired, connect the wires as per the wiring diagram. Use the table below to determine the maximum wire length.

**Note:** Preferable if the thermostat is installed on an interior wall.

UltraGlow® offers an optional programmable thermostat or basic wall thermostat but any 250-750 millivolt rated non-anticipator type thermostat that is CSA, ULC or UL approved may be used.

**CAUTION**  
Do not connect millivolt wall thermostat wires to a 120V wire.

### Thermostat Wire Table

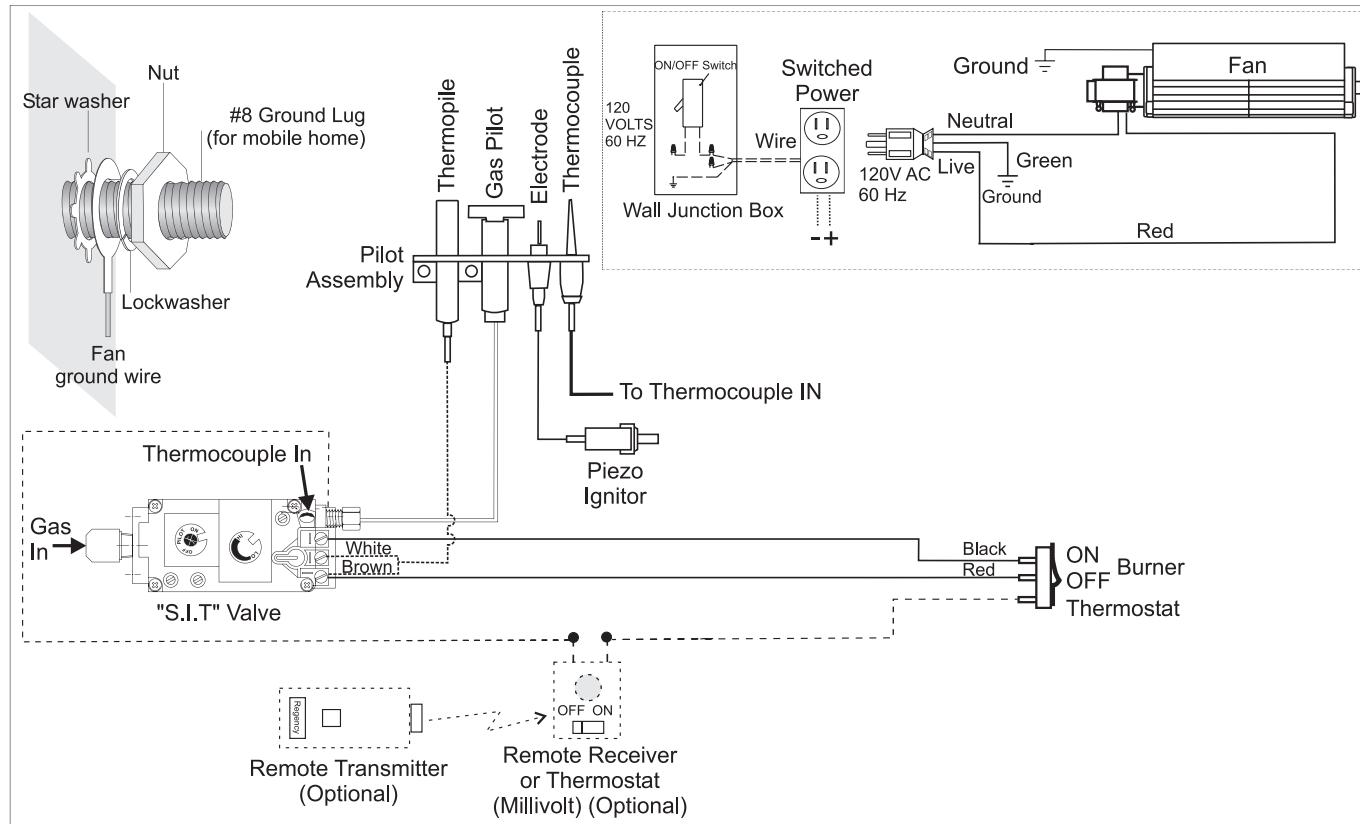
| Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System) |             |
|---|-------------|
| Wire Size   | Max. Length |
| 14 GA.  | 50 Ft.      |
| 16 GA.  | 32 Ft.      |
| 18 GA.  | 20 Ft.      |
| 20 GA.  | 12 Ft.      |
| 22 GA.  | 9 Ft.       |

# INSTALLATION

## WIRING DIAGRAM

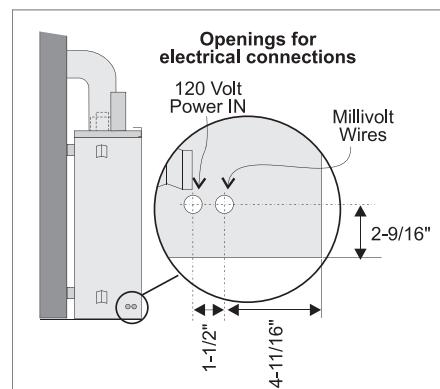
This heater does not require a 120V A.C. supply for operation. In case of a power failure, the burner switch and the optional remote control/thermostat will continue to operate.

(Do not cut the ground terminal off under any circumstances.)



**Caution: Ensure that the wires do not touch any hot surfaces and are away from sharp edges.**

**CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous**



## INSTALLING THE OPTIONAL FAN

120 Volt AC power is needed for the fan switch and blower. A three wire power cord is provided to be plugged into the receptacle.

**Unit must be grounded at all times. Do not cut the ground terminal off under any circumstances.**

- 1) Shut the power off.
- 2) Open the bottom louver door.
- 3) Slide the fan in towards the rear of the unit and slip it over the two mounting studs. **Ensure that the fan blades do not rub against the valve tubing.**

**Note:** A 120 Volt AC power cord can be installed at rough-in stage so that the power is available. A three wire power cord can be used.

- 5) If the left spring was unhooked in step 3), hook it back into the bracket. Take care not to clip any wires. Attach the adhesive backed wire holder clip (Part #910-199) onto the stove base.

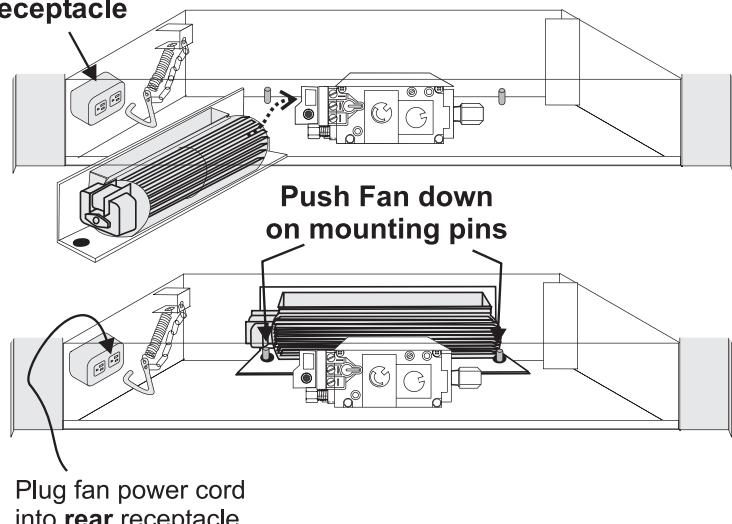
### To Remove the Fan

- 1) Shut the power off.

- 2) Reverse the above instructions.

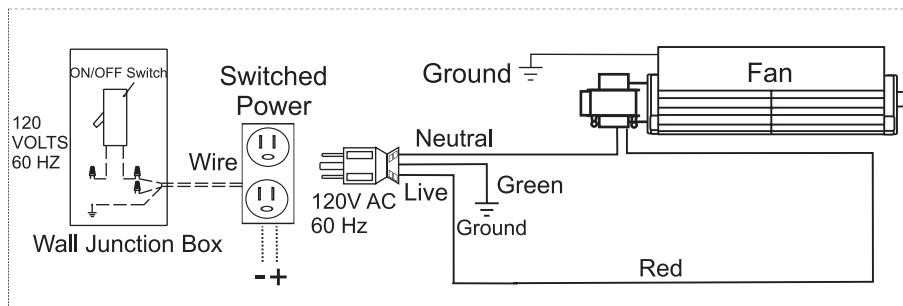
**Note:** The bearings are lubricated for life. Do not lubricate them. Make sure you vacuum the fan area on a regular basis.

### Electrical Receptacle



**Optional:** If you require extra space to slide the fan to the back, the left spring can be unhooked from the bracket.

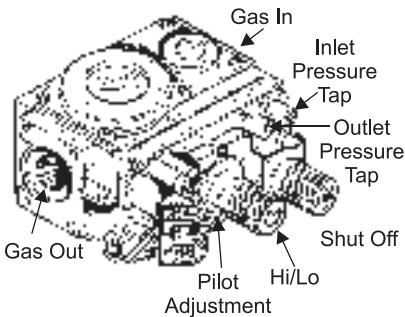
- 4) Plug the fan to the receptacle as shown in the wiring diagram below.



# OPERATING INSTRUCTIONS

## OPERATING INSTRUCTIONS

- 1) Read and understand these instructions before operating this appliance.
- 2) Check to see that all wiring is correct and enclosed to prevent possible shock.
- 3) Check to ensure there are no gas leaks.
- 4) Make sure the glass in the door frame is properly positioned. Never operate the appliance with the glass removed.
- 5) Verify that the venting and cap are unobstructed.
- 6) Ensure that the brick panels are installed.
- 7) Verify log placement. If the pilot cannot be seen when lighting the unit, the logs have been incorrectly positioned.
- 8) The unit should never be turned off, and on again without a minimum of a 60 second wait.



## LIGHTING PROCEDURE

### IMPORTANT

To ignite or reignite the pilot, you must first release the tension springs below the door.

Only when the pilot holds, without pressure being applied to the control knob, reapply the tension springs to the door. The unit **must not** be operated with the tension springs unattached.

**IMPORTANT** Gas cock knob cannot be turned from "PILOT" to "OFF" unless it is partially depressed.

- 1) Turn burner OFF using "ON/OFF" switch.

- 2) Turn gas control knob so indicator points to "OFF" position and allow 5 minutes for any gas in the combustion chamber to escape.
- 3) Turn gas control knob counterclockwise so indicator points to the "PILOT" position. Depress the gas control knob fully. Depress the igniter button several times until the pilot lights. After approximately one minute, release the gas control knob. The pilot flame should continue to burn. If the pilot does not remain lit, repeat operation allowing a longer period before releasing gas control knob.
- 4) When the pilot stays lit, turn the gas knob further counterclockwise to the "ON" position.
- 5) Use the wall switch, thermostat or remote control to turn on the unit.
- 6) Rotate the flame height regulator to adjust the flame height higher or lower.

## DO NOT BURN THE APPLIANCE WITHOUT THE GLASS FRONT IN PLACE.

During the first few fires, a white film may develop on the glass front as part of the curing process. The glass should be cleaned or the film will bake on and become very difficult to remove. Use a non-abrasive cleaner and NEVER clean the glass while it is hot.

## AERATION ADJUSTMENT

The air shutter can be adjusted by moving the adjusting wire up or down. The wire is accessed through the bottom louver opening. Open the air shutter for a blue flame or close for a yellower flame. The burner aeration is factory set but may need adjusting due to either the local gas supply or altitude.

### Minimum Air Shutter Opening:

|       |             |
|-------|-------------|
| 3/16" | Natural Gas |
| 1/2"  | Propane     |

**CAUTION:** Carbon will be produced if air shutter is closed too much.

**Note:** Any damage due to carboning resulting from improperly setting the aeration controls is NOT covered under warranty.

**Note:** Aeration Adjustment should only be performed by an authorized Regency® Installer at the time of installation or service.

## SHUTDOWN PROCEDURE

- 1) Use the wall switch, thermostat or remote control to turn off the main burner.
- 2) Turn the main gas control clockwise to the "OFF" position to turn off the pilot.
- 3) Turn off all electric power to appliance if service is to be performed.

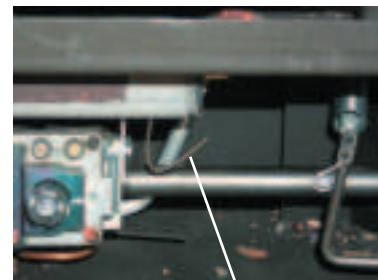
## FIRST FIRE

The first fire in your fireplace is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time before you use it with the fan on.

When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

The glass panel may require cleaning after the unit has cooled down. **DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.**

**Note:** When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear in a few minutes as the glass heats up.



Adjustment Wire: push to close or pull to open aeration cap.

Closed - Tall yellow  
Open - Short Blue

# OPERATING INSTRUCTIONS

## COPY OF THE LIGHTING PLATE INSTRUCTIONS

**FOR YOUR SAFETY READ BEFORE LIGHTING**

This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA B149.1. (Australia: AG601, New Zealand: NZS 5261)

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

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 neighbour'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.

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

**CAUTION: Hot while in operation. Do not touch. Severe Burns may result. Due to high surface temperatures keep children, clothing and furniture, gasoline and other liquids having flammable vapors away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.**

**LIGHTING INSTRUCTIONS**

**STOP!** Read the safety information above on this label.

**FOR UNITS NOT EQUIPPED WITH ELECTRIC SPARK BOXES:**

- 1) Push in gas control knob slightly and turn clockwise  to "OFF". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.
- 2) Wait five (5) minutes to clear out any gas. If you then smell gas STOP! Follow step "B" in the Safety Information above on this label. If you don't smell gas, go to the next step.
- 3) Turn knob on gas control counterclockwise  to "PILOT".
- 4) Push in control knob all the way and hold in. Continually push and release the black button on spark igniter until pilot lights. Continue to hold the control knob in for about 1/2 minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 1) to 4). 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.
- 5) Turn gas control knob counterclockwise  to "ON".
- 6) Use rocker switch to operate main burner.

**FOR ALL PROPANE UNITS AND UNITS EQUIPPED WITH ELECTRIC SPARK BOXES:**

- 1) Push in gas control knob slightly and turn to "PILOT" position.
- 2) Push in control knob all the way and hold in until the pilot lights up. Continue to hold the control knob in for about 20 seconds after the pilot is lit. Release knob.
- 3) Push in gas control knob slightly and turn to "ON" position.
- 4) Turn ON the flame switch.

**TO TURN OFF GAS APPLIANCE**

- 1) Turn off the flame switch.
- 2) Push in the gas control knob slightly and turn clockwise  to "OFF". Do not force.
- 3) Turn off all electric power to the appliance if service is to be performed. You may shut off the pilot during prolonged non use periods to conserve fuel.

**DO NOT REMOVE THIS INSTRUCTION PLATE**

## NORMAL OPERATING SOUNDS OF GAS APPLIANCES

It is possible that you will hear some sounds from your gas appliance. This is perfectly normal due to the fact that there are various gauges and types of steel used within your appliance. Listed below are some examples. All are **normal operating sounds** and should not be considered as defects in your appliance.

### Burner Tray:

The burner tray is positioned directly under the burner tube(s) and logs and is made of a different gauge material from the rest of the firebox and body. Therefore, the varying thicknesses of steel will expand and contract at slightly different rates which can cause "ticking" and "cracking" sounds. You should also be aware that as there are temperature changes within the unit these sounds will likely re-occur. Again, this is normal for steel fireboxes.

### Pilot Flame:

While the pilot flame is on it can make a very slight "whisper" sound.

### Gas Control Valve:

As the gas control valve turns ON and OFF, a dull clicking sound may be audible, this is normal operation of a gas regulator or valve.

### Unit Body/Firebox:

Different types and thicknesses of steel will expand and contract at different rates resulting in some "cracking" and "ticking" sounds will be heard throughout the cycling process.

## MAINTENANCE INSTRUCTIONS

- 1) Always turn off the gas valve before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year. When cleaning the logs, use a soft clean paint brush as the logs are fragile and easily damaged.
- 2) Clean appliance and door with a damp cloth (never when unit is hot). Never use an abrasive cleaner. The glass should be cleaned with a gas fireplace glass cleaner. **The glass should be cleaned when it starts looking cloudy.**
- 3) The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint. UltraGlow® uses StoveBright Paint - Metallic Black #6309.

# MAINTENANCE

- 4) Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call a qualified service person.
  - 5) The appliance and venting system must be inspected before use, and at least annually, by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed.
- Note: Never operate the appliance without the glass properly secured in place.**
- 6) 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.
  - 7) Verify operation after servicing.

## General Vent Maintenance

Conduct an inspection of the venting system semi-annually. Recommended areas to inspect as follows:

- 1) Check the Venting System for corrosion in areas that are exposed to the elements. These will appear as rust spots or streaks, and in extreme cases, holes. These components should be replaced immediately.
- 2) Remove the Cap, and shine a flashlight down the Vent. Remove any bird nests, or other foreign material.
- 3) Check for evidences of excessive condensation, such as water droplets forming in the inner liner, and subsequently dripping out the joints. Continuous condensation can cause corrosion of caps, pipe, and fittings. It may be caused by having excessive lateral runs, too many elbows, and exterior portions of the system being exposed to cold weather.
- 4) Inspect joints, to verify that no pipe sections or fittings have been disturbed, and consequently loosened. Also check mechanical supports such as Wall Straps, or plumbers' tape for rigidity.

## GOLD-PLATED OR BRASS TRIM

The 24 carat gold plated or brass finish on the trim requires little maintenance, and need only be cleaned with a damp cloth. DO NOT use abrasive materials or chemical cleaners, as they may harm the finish and void the warranty.

**Clean any fingerprints off before turning the unit on. If the top louvers start to discolour, check the door gasket seal and replace if necessary.**

## LOG REPLACEMENT

The unit should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening door and carefully remove the logs. (The pilot light generates enough heat to burn someone.) If for any reason a log should need replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagrams under Log Installation.

**Note: Improper positioning of logs may create carbon build-up and will severely alter the unit's performance which is not covered under warranty.**

## THERMOPILE / THERMOCOUPLE

- 1) Open the bottom louvers.
- 2) Loosen the thermocouple or thermopile with a 7/16" wrench.
- 3) Disconnect thermocouple by loosening nut from the valve with a 9mm wrench. Disconnect thermopile by loosening 2 screws marked TP on the valve.
- 4) Drop the thermocouple or thermopile down from the bracket and pull it out of the unit.
- 5) Reinstall the new ones in reverse order.

## GLASS GASKET

If the glass gasket requires replacement use a tadpole glass gasket for the Flush Front (Part # 936-155).

## DOOR GLASS

Your UltraGlow® fireplace is supplied with high temperature, 5 mm tempered glass that will withstand the highest heat that your unit will produce. If your glass requires cleaning, we recommend using an approved glass cleaner available at all authorized dealers. Do not use abrasive materials. Do not clean the glass when hot.

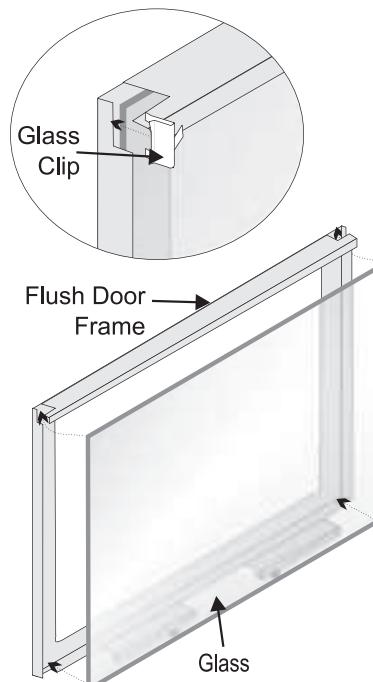
In the event that you break your glass by impact, purchase your replacement from an authorized UltraGlow® dealer only, and follow our step-by-step instructions for replacement.

**WARNING: Do not operate the appliance with the glass panels removed, cracked or broken. Replacement of the glass panels should be done by a licensed or qualified service person.**

**Caution: Wear gloves when removing damaged or broken glass.**

### Flush Glass Replacement

Remove the flush door front (as per instructions in the "Standard Flush Door" section). Remove the 4 glass clips from each corner. Slide in the new replacement glass. Push the 4 glass clips back onto the frame. **The glass must have gasketing around it.**



## REMOVING VALVE

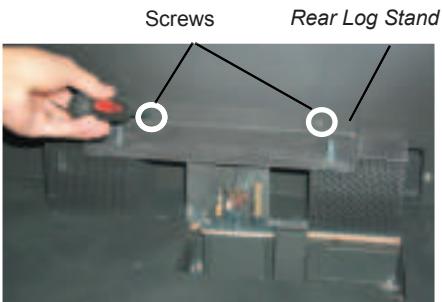
- 1) Shut off the gas supply.
- 2) Remove louvers.
- 3) Open and remove the flush door.
- 4) Remove logs.
- 5) Remove the burner assembly by removing the two Phillips head screws.



- 6) Remove the burner assembly by sliding left and out.



- 7) Remove the rear log stand by removing the 2 screws.



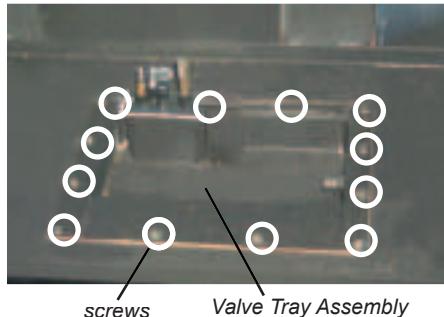
- 8) Lift out the bottom base panel.



- 9) Disconnect the inlet gas line.

- 10) Disconnect the 2 TP wires and the 2 TH wires from the valve.

- 11) Remove the 12 Phillips head screws securing the valve tray assembly in place.



- 12) Lift the entire assembly out.



- 13) Undo the pilot tube from the valve with a 7/16" wrench.

- 14) Undo the quick drop out thermocouple nut on the valve with a 9mm (metric) wrench.

- 15) Remove the Piezo ignitor wire and push button assembly.

- 16) Undo the "gas out" flare nut with a 13/16" wrench.

- 17) Undo the "gas out" flare fitting with an 11/16" wrench.

- 18) Remove the 4 Phillips head screws from the sides of the valve bracket and remove valve.

**Hint:** *If you are using black pipe, ensure that there is a union by the valve, otherwise removal will be almost impossible.*

## INSTALLING VALVE

- 1) Attach the valve to the valve bracket with the 4 (m5x8 metric) screws provided.
- 2) Reconnect the "gas out" flare fitting with an 11/16" wrench.
- 3) Reconnect the "gas out" flare nut with a 13/16" wrench.
- 4) Install piezo ignitor push button assembly and reconnect wire.
- 5) Reconnect the quick drop out thermocouple nut with a 9mm wrench.
- 6) Reconnect the pilot tube nut with a 7/16" wrench.
- 7) Scrape off the old gasket from the floor of the firebox and from the valve tray assembly.
- 8) Install a new gasket and reinstall the valve tray assembly.

**Note:** *Failure to install a new gasket may severely affect the appliance performance.*

- 9) Reinstall the 12 hold down screws.
- 10) Hook up the 2 TP and 2 TH wires to the appropriate connections on the valve.
- 11) Reinstall the bottom brick panel and the front log stand.
- 12) Install burner assembly
- 13) Hook up the gas line and check for gas leaks with a soap and water solution or a gas leak detector. (Do not use open flame for leak testing.)
- 14) Fire up the unit temporarily
- 15) Check the manifold pressure.
- 16) Reinstall the logs and base panels as needed.
- 17) Close the door and replace the louvers.
- 18) Fire up the unit again and check for proper flame appearance and glow on logs.

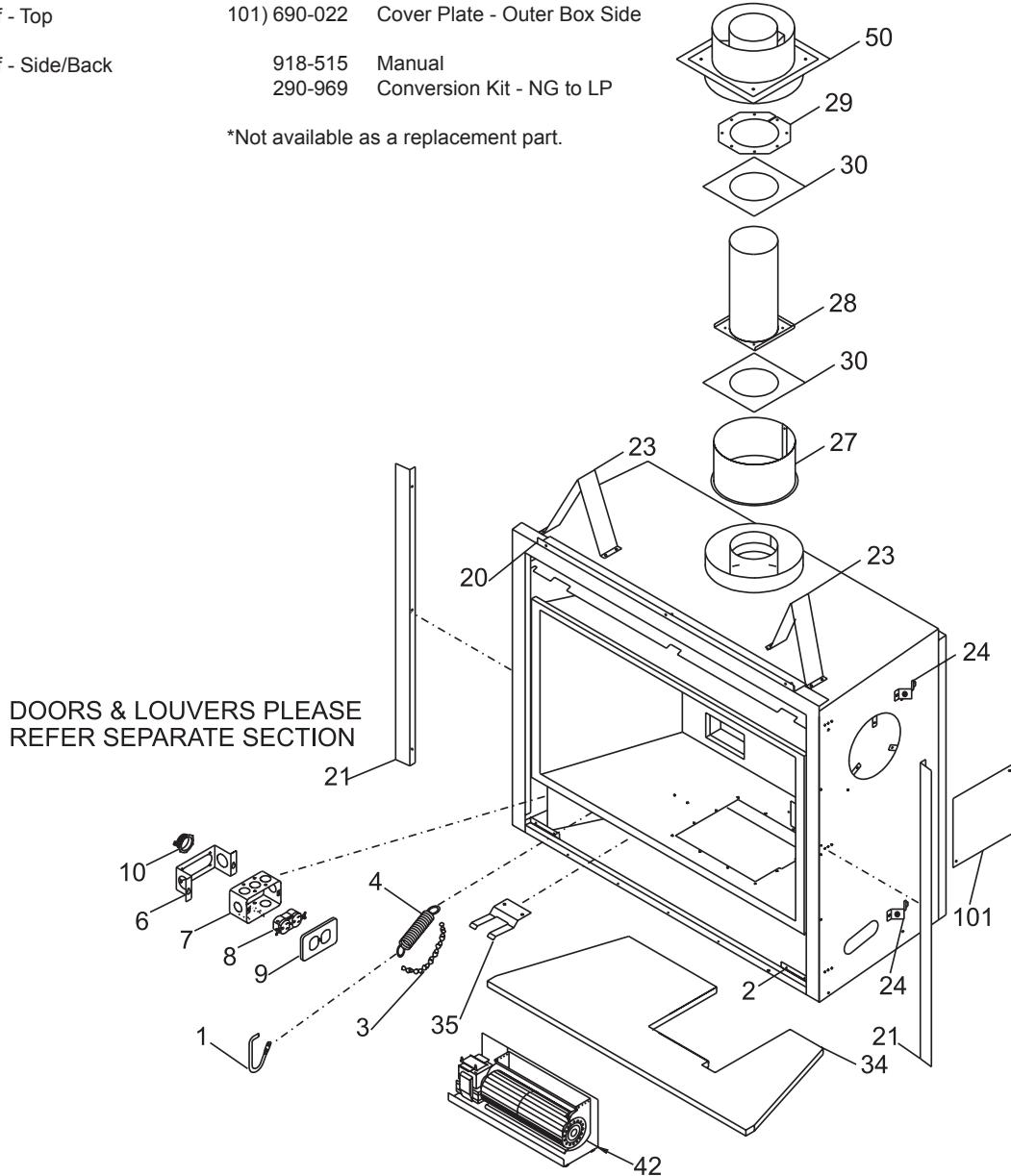
**Verify proper operation after servicing.**

# PARTS LIST

## G36D MAIN ASSEMBLY

| Part #      | Description                | Part #        | Description                                      |
|-------------|----------------------------|---------------|--|
| 1) 948-253  | Door Handle                | 27) *         | Outer Flue Collar                                |
| 2) 510-026  | Hinge Bracket - Left/Right | 28) *         | Inner Flue Collar Assy                           |
| 3) 948-045  | Chain                      | 29) *         | Flue Mounting Plate                              |
| 4) 948-115  | Spring                     | 30) *         | Gasket for Flue Collar                           |
| 6) 430-129  | Receptacle Box Mount       | 34) *         | Firebox Tray                                     |
| 7) 910-429  | Box - Receptacle           | 35) *         | Thermodisc Bracket                               |
| 8) 910-428  | Duplex Receptacle          | 910-882       | Wire-Harness-Valve to Burner                     |
| 9) 910-430  | Cover - Receptacle         | 331-917       | Fan & Speed Control Assy<br>(120 Volts) Optional |
| 10) 904-687 | Clamp Connector            | 42) 910-331/P | Fan Motor  |
| 20) 510-033 | Top Nailing Strip          | 50)           |  |
| 21) 510-064 | Side Nailing Strip         | 510-994       | Optional Rigid Pipe Adaptor                      |
| 23) 780-011 | Standoff - Top             | 101) 690-022  | Cover Plate - Outer Box Side                     |
| 24) 780-013 | Standoff - Side/Back       | 918-515       | Manual   |
|             |                            | 290-969       | Conversion Kit - NG to LP                        |

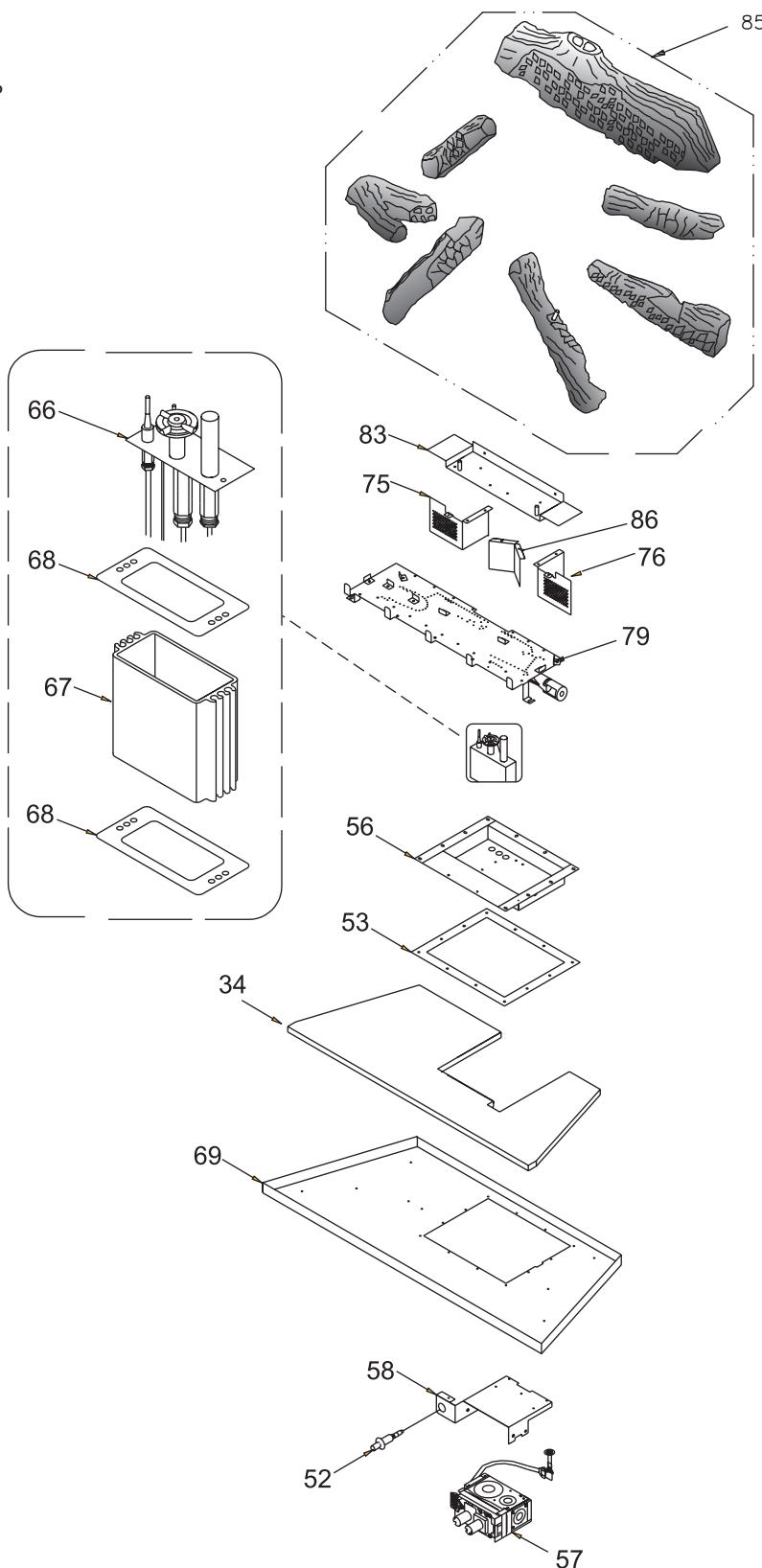
\*Not available as a replacement part.



## G36D BURNER ASSEMBLY & LOG SET

| Part #                                       | Description   |
|--|---|
| 52) 910-190                                  | Piezo Ignitor & Nut   |
| 53) 780-021<br>786-574/P<br>786-576/P        | Gasket - Valve Access Plate NG/LP<br>Valve Assy - Natural Gas<br>Valve Assy - Propane         |
| 56) *  | Valve Tray - NG/LP  |
| 57) 910-378<br>910-380                       | Valve - S.I.T. - Natural Gas<br>Valve - S.I.T. - Propane                                      |
| 58) *  | Valve Bracket   |
| 65) *  | Pilot Bracket   |
| 66) 910-038<br>910-039                       | Pilot Assy - S.I.T. - 3 Flame NG<br>Pilot Assy - S.I.T. - 3 Flame LP                          |
| 67) *  | Pilot Holder  |
| 68) W840470<br>904-430<br>904-345<br>936-170 | Pilot Assembly Gasket<br>Orifice #42 - Natural Gas<br>Orifice #53 - Propane<br>Orifice Gasket |
| 69) *  | Firebox Base  |
| 75) *<br>76) *                               | Deflector - Left<br>Deflector - Right   |
| 79) 786-525                                  | Burner Assy - NG/LP   |
| 83) *<br>85) 780-930                         | Rear Log Support Bracket<br>Log Set   |
| 86) * Pilot Deflector                        |   |

\*Not available as a replacement part.



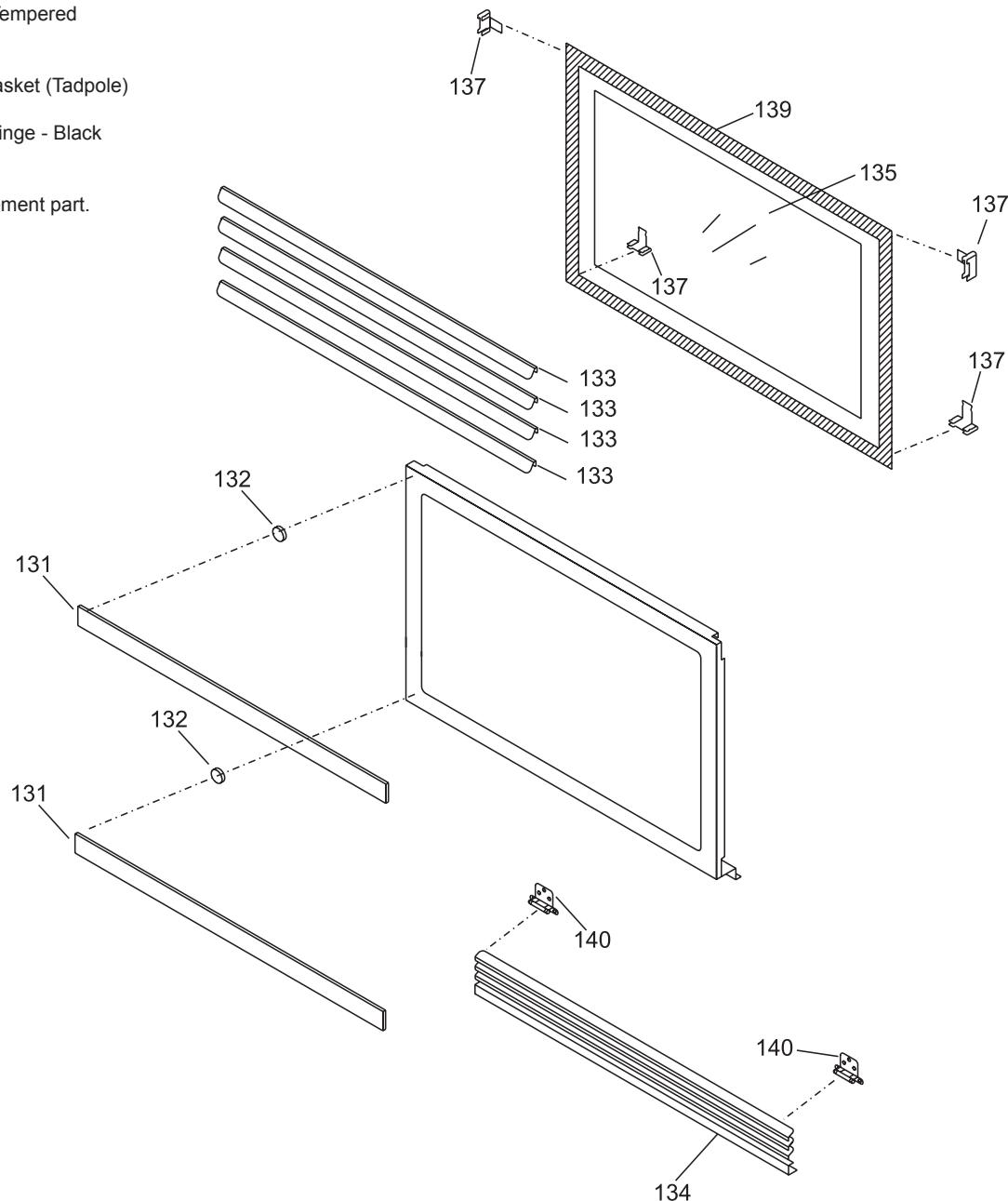
# PARTS LIST

## G36D FLUSH FRONT ASSEMBLY

| Part # | Description |
|--------|-------------|
|--------|-------------|

- |      |  |
|------|--|
| 131) | 510-934 Flush Glass Trim (Set) - Brass |
|      | 510-947 Flush Glass Trim (Set) - Steel |
|      | 510-932 Flush Glass Trim (Set) - Gold  |
| 132) | 904-196 Magnet (1" Round)              |
| 133) | 780-069 Flush Louver - Top - Black     |
| 134) | 786-520 Assembly - Bottom - Black      |
| 135) | 940-334/P Glass - Tempered             |
| 137) | 904-691 U-Clip                         |
| 139) | 936-155 Glass Gasket (Tadpole)         |
| 140) | 948-042 Spring Hinge - Black           |

\*Not available as a replacement part.



## NOTES

## NOTES



UltraGlow® products, are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our door. UltraGlow® is pleased to extend this one year warranty to the original purchaser of a UltraGlow® product. This warranty is not transferable.

**The Warranty:** One Year

Covered under the agreement are the following components: Combustion chamber, heat exchanger, burner tubes, logs, embers, glass (thermal breakage) and all gold plating (against defective manufacture).

The above will be covered for parts and labour for one year. Electrical components such as blowers, fan motor, switches, wiring, thermodiscs, remote control, thermopiles, thermocouples, pilot assemblies, and gas valves are covered for one year from the date of purchase.

**Conditions:**

Any part or parts of this unit which in our judgement show evidence of such defects will be repaired or replaced at FPI's option, through an accredited distributor or agent provided that the defective part be returned to the distributor or agent Transportation Prepaid, if requested.

It is the general practice of FPI to charge for larger, higher priced replacement parts and issue credit once the replaced component has been returned to FPI and evaluated for manufacturer defect.

The authorized selling dealer is responsible for all in-field service work carried out on your FPI product. FPI will not be liable for results or costs of workmanship from unauthorized service persons or dealers.

At all times FPI reserves the right to inspect product in the field which is claimed to be defective.

All claims must be submitted to FPI by authorized selling dealers. It is essential that all submitted claims provide all of the necessary information including customer name, purchase date, serial #, type of unit, problem, and part or parts requested, without this information the warranty will be invalid.

**Exclusions:**

This Warranty does not extend to or include paint, door or glass gasketing or trim.

At no time will FPI be liable for any consequential damages which exceed the purchase price of the unit. FPI has no obligation to enhance or modify any unit once manufactured. ie. as products evolve, field modifications or upgrades will not be performed.

FPI will not be liable for travel costs for service work.

Installation and environmental problems are not the responsibility of the manufacturer and therefore are not covered under the terms of this warranty policy.

Any unit which shows signs of neglect or misuse is not covered under the terms of this warranty policy.

The warranty will not extend to any part which has been tampered with or altered in any way, or in our judgment has been subject to misuse, improper installation, negligence or accident, spillage or downdrafts caused by environmental or geographical conditions, inadequate ventilation, excessive offsets, negative air pressure caused by mechanical systems such as furnaces, fans, clothes dryer, etc.

Freight damage to stoves and replacement parts is not covered by warranty and is subject to a claim against the freight carrier by the dealer.

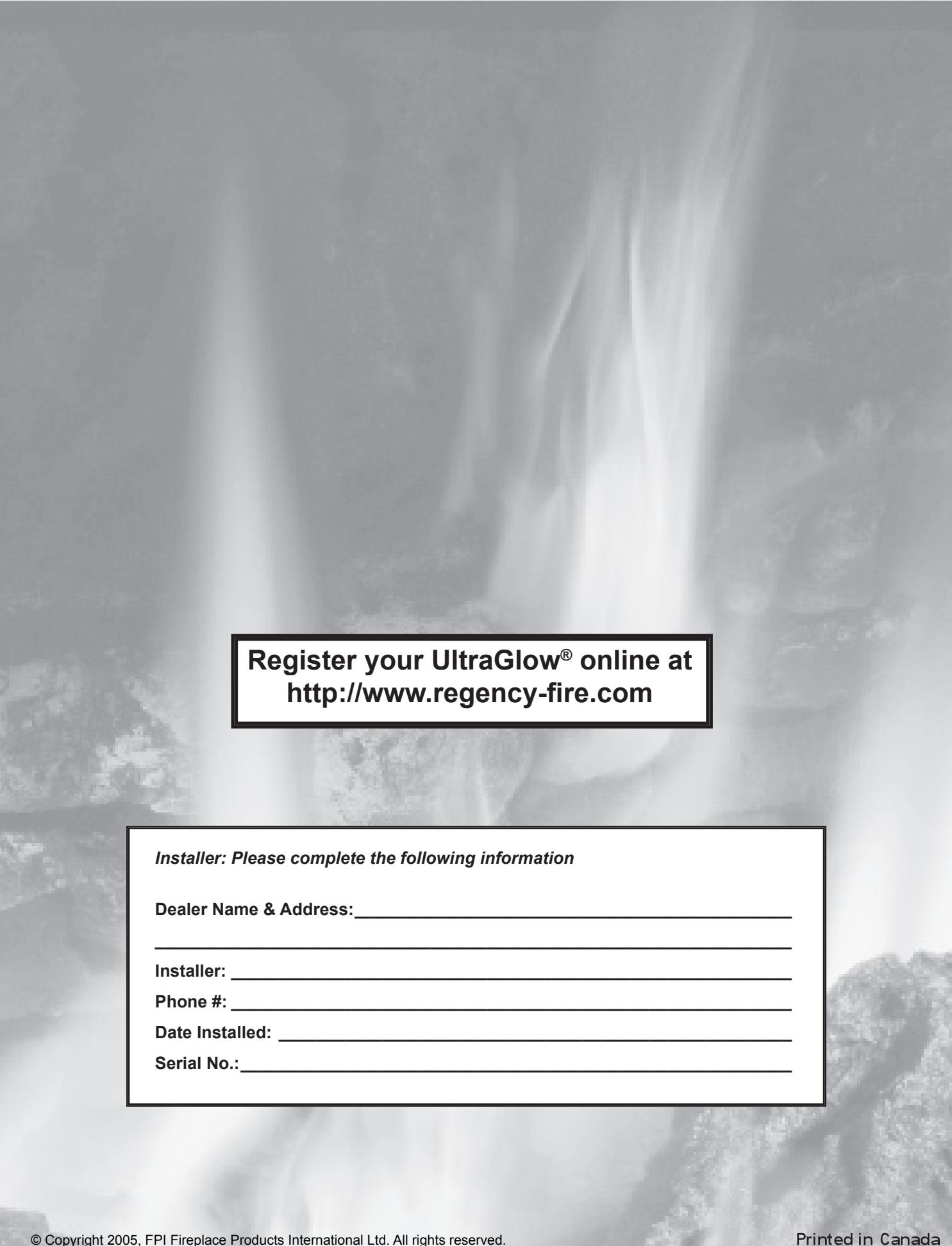
FPI will not be liable for acts of God, or acts of terrorism, which cause malfunction of the appliance.

Performance problems due to operator error will not be covered by this warranty policy.

Products made or provided by other manufacturers and used in conjunction with the operation of this appliance without prior authorization from FPI, may nullify your warranty on this product.

Simpson Dura-Vent venting components are covered by Simpson Dura-Vent Inc. warranty.

Any alteration to the unit which causes sooting or carboning that results in damage to the interior / exterior facia is not the responsibility of FPI.



**Register your UltraGlow® online at**  
**<http://www.regency-fire.com>**

***Installer: Please complete the following information***

**Dealer Name & Address:** \_\_\_\_\_

**Installer:** \_\_\_\_\_

**Phone #:** \_\_\_\_\_

**Date Installed:** \_\_\_\_\_

**Serial No.:** \_\_\_\_\_