



## ULTIMATE U39 Direct Vent Freestanding Gas Stove

## Owners & Installation Manual



MODELS: U39-NG1 Natural Gas U39-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.

### 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.

## REGENCY® ULTIMATE Direct Vent Freestanding Gas Stove

### To the New Owner:

Congratulations! You are the owner of a state-of-the-art ULTIMATE Direct Vent Gas Stove by FPI Fireplace Products International Ltd. The Regency® Gas Series of hand crafted appliances has been designed to provide you with all the warmth and charm of a woodstove, at the flick of a switch. The models U39-NG1, and U39-LP1 of this series 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 ULTIMATE Direct Vent Freestanding Gas Stove.



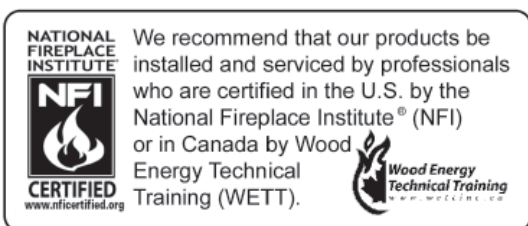
# WARNING

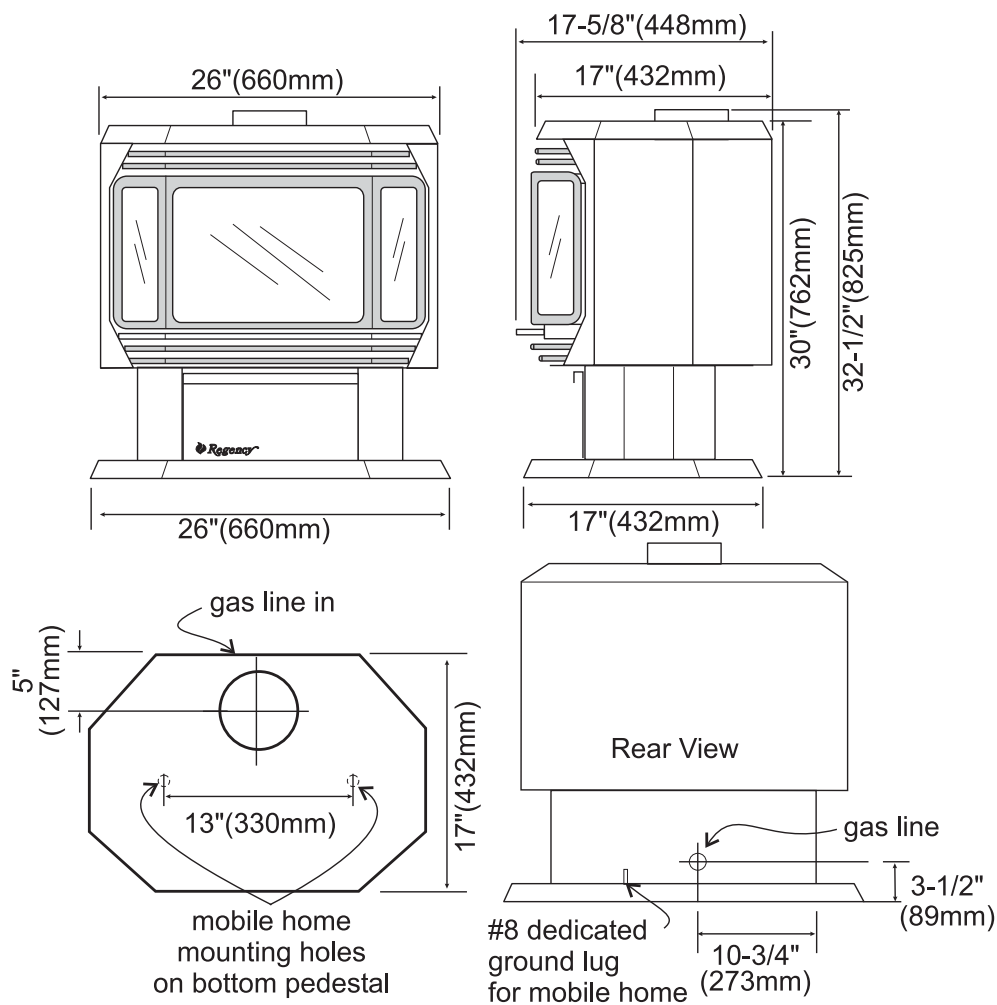


**HOT GLASS WILL  
CAUSE BURNS**

**DO NOT TOUCH GLASS  
UNTIL COOLED**

**NEVER ALLOW CHILDREN  
TO TOUCH GLASS**





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This is a copy of the label that accompanies each ULTIMATE Direct Vent Freestanding Gas Stove. We have printed a copy of the contents here for your review. The safety

label is located on the inside of the drop down pedestal door.

**NOTE:** Regency® 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 Label for U39 Gas Stove

Duplicate serial #		<b>315</b>
	Listed: VENTED GAS FIREPLACE HEATER / FOYER AU GAZ À ÉVACUATION Certified for/Certifiée pour: CANADA and U.S.A. Tested to: CGA-2-17-M91, ANSI Z21.88a-2007 / CSA 2.33a-2007 WNF# 16460 MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES AFTER FIRST SALE	<div style="text-align: center;"> </div> <div style="text-align: center; border: 1px solid black; padding: 2px;"> <b>315</b> </div> <p style="text-align: right; font-size: small;">Serial No./No de serie</p>
<div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px; margin: 0 5px;">Model/Modèle: U39-NG1</div> </div>	<b>FACTORY EQUIPPED FOR NATURAL GAS: Model U39-NG1</b> Minimum supply pressure 5" WC/C.E. (1.25kPa) Manifold pressure High 3.8" WC/C.E. (0.94kPa) Manifold pressure Low 1.1" WC/C.E. (0.27kPa) Model U39-NG: Factory Equipped for Altitude 0-2000 ft. Orifice size #32 DMS Altitude 0-2000 ft/pi (0-610) Maximum Input 38,000 Btu/h (11.14Kwh) Minimum Input 20,000 Btu/h (5.86Kwh) Model U39-NG: Convertible to 30,000 Btu for Altitude 0-4500 ft. Orifice size #33 DMS Altitude 2000-4500ft/pi (610-1370m) Maximum Input 36,100 Btu/h (10.57Kw) Minimum Input 19,000 Btu/h (5.57Kwh) Model U39-NG: Convertible to 30,000 Btu for Altitude 0-4500 ft. Orifice size #37 DMS Maximum Input 30,000 Btu/h (8.78Kwh) Minimum Input 16,000 Btu/h (4.69Kwh)	<b>ÉQUIPÉ À L'UISINE POUR GAZ NATUREL:</b> Pression d'alimentation minimum Pression tubulure d'échappement élevée Pression tubulure d'échappement basse Dimensions de l'orifice L'altitude Débit calorifique maximum selon Débit calorifique minimum selon Transforme en haute l'altitude Gaz Naturel: Dimensions de l'orifice L'altitude Débit calorifique maximum selon Débit calorifique minimum selon Dimensions de l'orifice L'altitude Débit calorifique maximum selon Débit calorifique minimum selon
<div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px; margin: 0 5px;">Model/Modèle: U39-LP1</div> </div>	<b>FACTORY EQUIPPED FOR PROPANE GAS: Model U39-LP1</b> Minimum supply pressure 12" WC/C.E. (3.00kPa) Manifold pressure High 11" WC/C.E. (2.74Kpa) Manifold pressure Low 2.9" WC/C.E. (0.72Kpa) Orifice size 50 DMS Altitude 0-2,000 ft/pi (0-610m) Maximum Input 38,000 BTU/h (11.14Kw/h) Minimum Input 20,000 BTU/h (5.86Kw/h) Model U39-LP: Convertible to 30,000 Btu for Altitude 0-4500 ft. Orifice size #52 DMS Maximum Input 30,000 Btu/h (8.78Kwh) Minimum Input 16,000 Btu/h (4.69Kwh)	<b>ÉQUIPÉ À L'UISINE POUR GAZ PROPANE:</b> Pression d'alimentation minimum Pression tubulure d'échappement élevée Pression tubulure d'échappement basse Dimensions de l'orifice L'altitude Débit calorifique maximum selon Débit calorifique minimum selon Dimensions de l'orifice L'altitude Débit calorifique maximum selon Débit calorifique minimum selon
<b>Minimum Clearances to Combustibles</b> Degagement minimum des matériaux combustibles: A 7-1/2" /190mm B 6" /150mm E 2" /50mm Min. Ceiling Height from top of unit / Min. Plafond Hauteur en haut de l'appareil: 36" / 914 mm		
<div style="display: flex; justify-content: space-around;"> </div> <p style="text-align: center; font-size: small;">Electrical supply / Électrique 115VAC, 1.13 A, 60Hz Made in Canada / Fabrique au Canada</p>		
<p style="font-size: 8px;">This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1, or Natural Gas and Propane Installation Code, CSA B149.1. This appliance must be installed in accordance with the Standard CAN/CSA Z240 MH, Mobile Housing, in Canada, or with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States, or when such a standard is not applicable, ANSI/NCSCS A225.1/NFPA 501A, Manufactured Home Installations Standard or ANSI A119.2 ou NFPA 501C Standard for Recreational Vehicles</p> <p style="font-size: 8px;">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.</p> <p style="font-size: 8px;">Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation ANSI Z223.1, National Fuel Gas Code ou CSA-B149.1 en vigueur. Installer l'appareil selon la norme CAN/CSA-Z240, Série MM, Maisons mobiles ou CAN/CSA-Z240 VC, Véhicules de camping, ou la norme 24 CFR Part 3280, Manufactured Home Construction and Safety Standard. Si ces normes ne sont pas pertinentes, utilisez la norme ANSI/NCSCS A225.1/NFPA 501A, Manufactured Home Installations Standard, ou ANSI A119.2 ou NFPA 501C Standard for Recreational Vehicles.</p> <p style="font-size: 8px;">Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique. Cet appareil peut être installé dans une maison préfabriquée mobile (É.-U. seulement) installée à demeure si les règlements locaux le permettent. Voir la notice de l'utilisateur pour plus de renseignements. Cet appareil ne peut pas être utilisé avec d'autres gaz sauf si une trousse de conversion certifiée est fournie.</p> <p style="font-size: 8px;">This vented gas fireplace heater is not for use with air filters. Ne pas utiliser de filtre à air avec ce foyer au gaz à évacuation.</p> <p style="font-size: 8px;">For use with glass doors certified with the appliance only. Pour utilisation uniquement avec les portes en verre certifiées avec l'appareil</p> <p style="font-size: 8px;"><b>VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUELS.</b>  <b>FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE.</b></p>		
		918-509a

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.

The State of Massachusetts requires the installation of a carbon monoxide alarm in accordance with NFPA 720 and a CO alarm with battery back up in the same room where the gas appliance is installed.

# REQUIREMENTS

## MA Code - CO Detector (for the State of Massachusetts only)

### 5.08: Modifications to NFPA-54, Chapter 10

(2) Revise 10.8.3 by adding the following additional requirements:

(a) For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. **INSTALLATION OF CARBON MONOXIDE DETECTORS.** At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gasfitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gasfitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. **APPROVED CARBON MONOXIDE DETECTORS.** Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. **SIGNAGE.** A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "**GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS**".

4. **INSPECTION.** The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) **EXEMPTIONS:** The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) **MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED.** When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) **MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED.** When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and

2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

## BEFORE YOU START

Safe installation and operation of this appliance requires common sense, however, we are required by the Canadian Safety Standards and ANSI Standards to make you aware of the following:

**INSTALLATION AND REPAIR SHOULD BE DONE BY AN AUTHORIZED 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 AREA AS THE APPLIANCE. TODDLERS, YOUNG CHILDREN AND OTHERS MAY BE SUSCEPTIBLE TO ACCIDENTAL CONTACT BURNS. A PHYSICAL BARRIER IS RECOMMENDED IF THERE ARE AT RISK INDIVIDUALS IN THE HOUSE. TO RESTRICT ACCESS TO A FIREPLACE OR STOVE, INSTALL AN ADJUSTABLE SAFETY GATE TO KEEP TODDLERS, YOUNG CHILDREN AND OTHER AT RISK INDIVIDUALS OUT OF THE ROOM AND AWAY FROM HOT SURFACES.**

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





# INSTALLATION

## IMPORTANT MESSAGE SAVE THESE INSTRUCTIONS

The ULTIMATE Direct Vent Freestanding Gas Stove must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the building authority having jurisdiction to determine the need for a permit prior to starting the installation.

**Note:** Failure to follow the instructions could cause a malfunction of the heater which could result in death, serious bodily injury, and/or property damage. Failure to follow these instructions may also void your fire insurance and/or warranty.

**Note:** These instructions take precedence over Simpson Dura-Vent instructions.

## SPECIFICATIONS

**Fuels:** U39-NG1 is approved for use with natural gas.

U39-LP1 is approved for use with liquefied petroleum gases (propane).

**Electrical:** 120V A.C. system.

**Circulation Fan:** Variable speed, 125/75.

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

**Vent System:** Coaxial (6-5/8" outer / 4" inner liner) rigid flue and termination cap.

## INFORMATION FOR MOBILE/ MANUFACTURED HOMES AFTER FIRST SALE

This Regency® product has been tested and listed by Warnock Hersey as a Direct Vent Wall Furnace to the following standards: CAN/CGA-2.17-M91 and ANSI Z21.88a-2007/CSA 2.33a-2007.

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

This Regency® 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.

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

**This appliance is only 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.**

- 1) Provide adequate clearances for servicing, proper operation and around the air openings into the combustion chamber.
- 2) The appliance may be installed on a flat, solid, continuous surface (e.g. wood, metal, concrete). This may be the floor, or it can be raised up on a platform to enhance its visual impact. The appliance may be installed on carpeting, tile, wood flooring or other combustible material, because the appliance's metal pedestal base extends the full width and depth of the appliance. The ULTIMATE Direct Vent Freestanding Gas Stove can be installed in a wide variety of ways and will fit nearly any room layout. It may be installed in a recessed position, framed out into the room, or across a corner.
- 3) The ULTIMATE Direct Vent Freestanding Gas Stove is approved for alcove installations, which meet the clearances as listed in the "Locating Your Ultimate Gas Stove" section. This unit is approved for manufactured home installations, see "Rigid Pipe Venting Arrangements" section for the required vent arrangements. If installed into a manufactured home the unit must be bolted down to the floor.
- 4) 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.
- 5) This appliance is Listed for Alcove installations, maintain minimum Alcove clearances as follows, minimum width of 48" (1219mm), a maximum depth of 36" (914mm), and minimum ceiling height of 64" (1626mm).
- 6) 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 building inspector review your plans before installation.



## GENERAL SAFETY INFORMATION

- 1) The appliance installation must conform with local Canadian Electrical Code.
- 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) The appliance should be inspected for shipping damage before use and **serviced 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, and circulating air passageways of the appliance be kept clean and free from excessive lint from carpeting.
- 4) See general construction and assembly instructions. The appliance and vent should be enclosed when installed in or passing through a living area, where children may come in contact with it.
- 5) 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 the instructions starting in "Locating Your Ultimate Gas Stove" section.
- 6) Inspect the venting system annually for blockage and any signs of deterioration.
- 7) Venting terminals shall not be recessed into a wall or siding.

- 8) Any safety glass removed for servicing must be replaced prior to operating the appliance.
- 9) To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.

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) Locate your appliance. Refer to the following sections:
  - a. Locating Your Ultimate Gas Stove
  - b. Exterior Vent Termination Locations
  - c. Clearance to Combustibles
  - d. Combustion and Ventilation Air
- 2) Install Louvers. Refer to the "Louver Installation" section.
- 3) Choose a venting option and install accordingly. Refer to the following sections where applicable:
  - a. DV Stove Horizontal Vent Kit Installation
  - b. Dura-Vent Termination Kit
  - c. Set Vent Restrictors. Refer to "Rigid Pipe Venting Arrangement" section.
  - d. Converting a Class-A Metal Chimney or Masonry Chimney to a Direct Vent system.
- 4) Make gas connections. Refer to "Gas Connection" section.  
  
Test the pilot. Must be as per diagram. Refer to "Pilot Adjustment" section.
- 5) If necessary, see the "Conversion from NG to LPG" section and "Conversion to Lower BTU Rating" section.
- 6) Test Gas Pressure. Refer to "Gas Pipe Pressure Testing" section.
- 7) Install standard and optional features. Refer to the following sections where applicable:
  - a. Log Set
  - b. Front Door
  - c. Wall Thermostat
  - d. Remote Control
- 8) Final check. Refer to the "Final Check" section.

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

### This includes:

- 1) Clocking the appliance to ensure the correct firing rate (rate noted on label) 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.**

## CLEARANCES TO COMBUSTIBLES

The clearances listed are MINIMUM distances. Measure the clearance to both the appliance and the chimney connector. **The farthest distance is correct if the two clearances do not coincide.**

For example, if the appliance is set as indicated in one of the figures but the connector is too close, move the stove until the correct clearance to the connector is obtained.

This appliance may be installed only with the clearances as shown in the situations pictured. **Do not combine clearances from one type of installation with another in order to achieve closer clearances.**

This unit can be installed on a solid combustible surface like a wood floor. This unit can also be installed directly on carpeting or vinyl when the bottom pedestal cover plate (provided with unit) is installed.

Use the minimum clearances shown in the diagrams below:

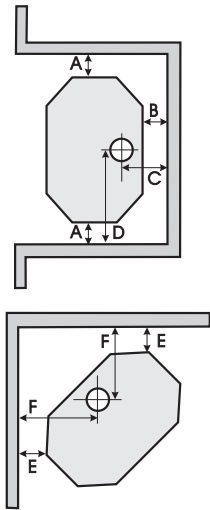
### U39-NG1 & U39-LP1 Clearances

A Side Wall to Unit	7-1/2" / 190 mm
B Back Wall to Unit	6" / 150 mm
E Side Wall to Unit	2" / 50 mm

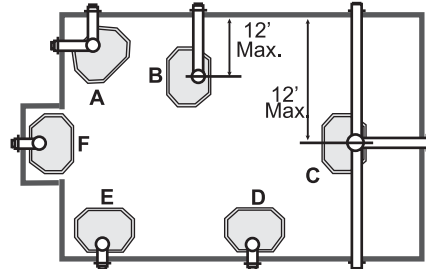
### U39-NG1 & U39-LP1 Reference Dimensions

C Back Wall to Flue Centerline	11"/280 mm
D Side Wall to Flue Centerline	20-1/2"/521 mm
F Side Wall to Flue Centerline	11"/280 mm
Minimum ceiling height is 36" / 914 mm from top of unit.	

# INSTALLATION



- A) Cross Corner
- B) Room Divider
- C) Island
- D) Flat on Wall
- E) Flat on Wall Corner
- F) Flush with Wall/ Alcove



For Vent Termination requirements, see "Exterior Vent termination Locations" section.

## VENTING INTRODUCTION

The DV Stove Horizontal Vent Kit and the Simpson Dura-Vent Direct Vent, venting systems, in combination with the ULTIMATE Direct Vent Freestanding Gas Stove, U39-NG1, and U39-LP1, have been tested and listed as direct vent heater systems by Warnock Hersey. If converting a Class-A Metal Chimney or Masonry Chimney to a Direct Vent system, see instructions in "Converting a Class-A Metal Chimney or Masonry Chimney to a Direct Vent System" section.

These units use the "balanced flue" technology Co-Axial system. The inner liner vents products of combustion to the outside while the outer pipe 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.**

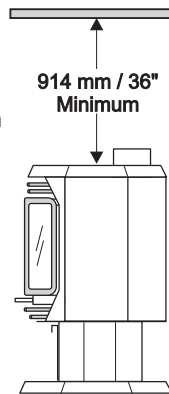
The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas burning appliance. Each direct vent gas appliance must use it's own separate vent system. Common vent systems are prohibited.

### IMPORTANT

Read all instructions carefully before starting the installation. Failure to follow these instructions may create a fire or other safety hazard, and will void the warranty. Be sure to check the venting and clearance to combustibles requirements. Consult your local building codes before beginning installation.

The location of the termination cap must conform to the requirements in the "Exterior Vent Terminal Locations" section.

Minimum ceiling height is 36"/914mm from top of unit.



## MANUFACTURED MOBILE HOME ADDITIONAL REQUIREMENTS

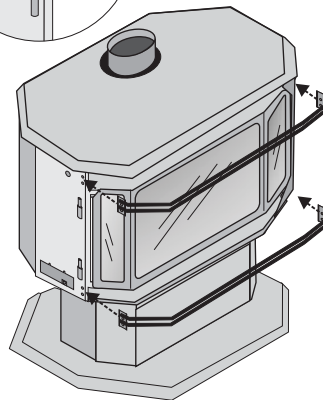
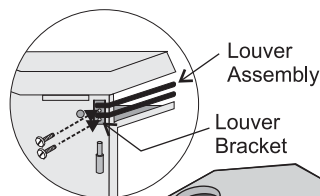
- 1) Ensure that structural members are not cut or weakened during installation.
- 2) Ensure proper grounding using the #8 ground lug provided.
- 3) Appliance must be anchored to the floor with the supplied anchoring methods.

## LOCATING YOUR ULTIMATE GAS STOVE

When selecting a location for your stove, ensure that the clearances listed above are met as well as ensuring that there is adequate accessibility for servicing and proper operation.

## LOUVER INSTALLATION

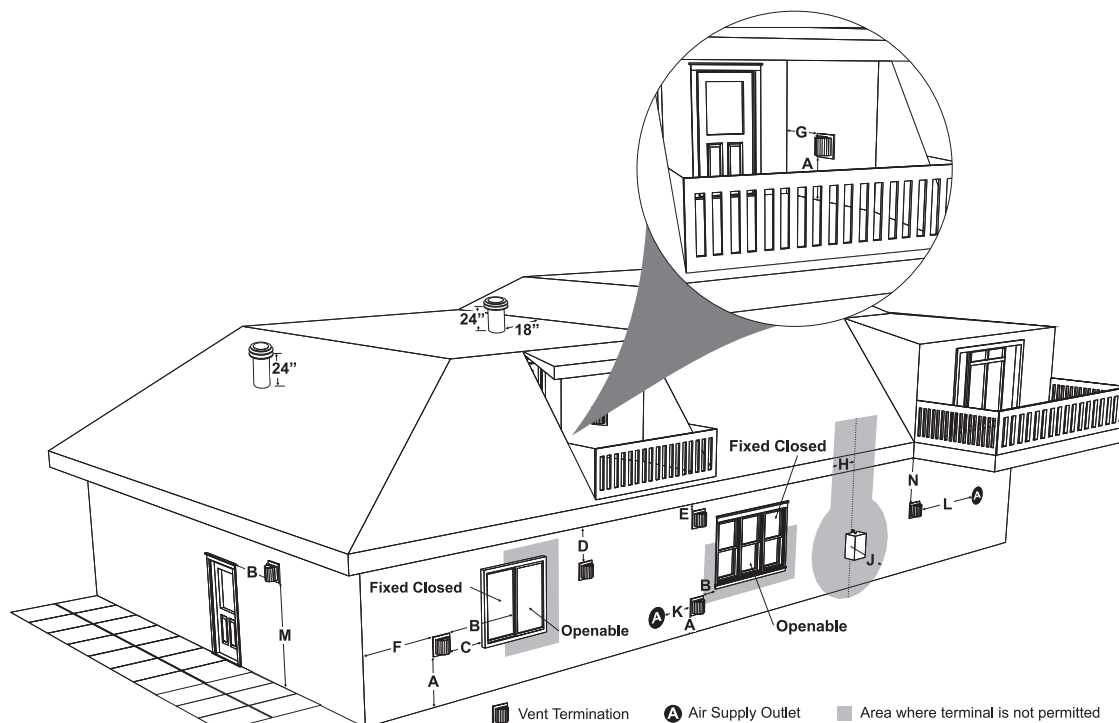
- 1) Attach the top & bottom louvers to the side stove panel using 2 screws per side.



## COMBUSTION AND VENTILATION AIR

The combustion air from this appliance is drawn from outside the building through the outer flue. Extra provision for combustion air inside the room is not required.

## EXTERIOR VENT TERMINAL LOCATIONS



	Minimum Clearance Requirements	Canada <sup>1</sup>	USA <sup>2</sup>
A	Clearance above grade, veranda, porch, deck, or balcony	12"(30cm)	12"(30cm)
B	Clearance to window or door that may be opened	12"(30cm)	9" (23cm)
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61cm) from the center line of the terminal (check with the local code)	18"(46cm)	18"(46cm)
E	Clearance to unventilated soffit	12"(30cm)	12"(30cm)
F	Clearance to outside corner: with <b>AstroCap</b> Termination Cap.	6"(15cm)	6"(15cm)
	Clearance to outside corner: with all other approved Termination Caps.	12"(30cm)	12"(30cm)
G	Clearance to inside corner: with <b>AstroCap</b> Termination Cap	6"(15cm)	6"(15cm)
	Clearance to inside corner: with all other approved Termination Caps.	12"(30cm)	12"(30cm)
H	Clearance to each side of center line extended above meter/regulator assembly	36"(90cm) <sup>a</sup>	*
J	Clearance to service regulator vent outlet	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 - 3' (91cm) above if within 10' (3m) horizontally.	72"(1.8m)	36"(90cm) <sup>b</sup>
M	Clearance above paved sidewalk or a paved driveway located on public property	84"(2.1m) <sup>†</sup>	*
N	Clearance under veranda, porch, deck, or balcony	12"(30cm) <sup>‡</sup>	*

<sup>1</sup> In accordance with current CSA B149.1, *Natural Gas and Propane Installation Code*  
<sup>2</sup> In accordance with the current ANSI Z223.1/NFPA 54, *National Fuel Gas Code*  
<sup>†</sup> A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings  
<sup>‡</sup> Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor  
\* Clearance in accordance with local installation codes and the requirements of the gas supplier  
<sup>a</sup> 3 feet (91cm) within a height of 15 feet (4.5m) above the meter / regulator assembly  
<sup>b</sup> 3 feet (91cm) above - if within 10 feet (3m) horizontally

## 4" X 6-5/8" RIGID PIPE CROSS REFERENCE CHART

Components from different Manufacturers may not be mixed. Not All Rigid Pipe components are available directly from FPI.

Description	Simpson Direct Vent Pro®	Selkirk Direct Temp™	American Metal Products® Amerivent Direct	Metal-Fab™ Sure Seal	Security Secure- Vent®	ICC Excel Direct
6" Pipe Length-Galvanized	46DVA-06	4DT-6	N/A	4D6	SV4L6	TC-4DL6
6" Pipe Length-Black	46DVA-06B	4DT-6B	N/A	4D6B	SV4LB6	TC-4DL6B
7" Pipe Length-Galvanized	N/A	N/A	4D7	N/A	N/A	N/A
7" Pipe Length-Black	N/A	N/A	4D7B	N/A	N/A	N/A
9" Pipe Length-Galvanized	46DVA-09	4DT-9	N/A	N/A	N/A	N/A
9" Pipe Length-Black	46DVA-09B	4DT-9B	N/A	N/A	N/A	N/A
12" Pipe Length-Galvanized	46DVA-12	4DT-12	4D12	4D12	SV4L12	TC-4DL1
12" Pipe Length-Black	46DVA-12B	4DT-12B	4D12B	4D12B	SV4LB12	TC-4DL1B
18" Pipe Length-Galvanized	46DVA-18	4DT-18	4D18	4D18	SV4LA	TC-4DL18
18" Pipe Length-Black	46DVA-18B	4DT-18B	4D18B	4D18B	SV4LA	TC-4DL18B
24" Pipe Length-Galvanized	46DVA-24	4DT-24	4D24	4D24	SV4L24	TC-4DL2
24" Pipe Length-Black	46DVA-24B	4DT-24B	4D24B	4D24B	SV4LB24	TC-4DL2B
36" Pipe Length-Galvanized	46DVA-36	4DT-36	4D36	4D36	SV4L36	TC-4DL3
36" Pipe Length-Black	46DVA-36B	4DT-36B	4D36B	4D36B	SV4LB36	TC-4DL3B
48" Pipe Length-Galvanized	46DVA-48	4DT-48	4D48	4D48	SV4L48	TC-4DL4
48" Pipe Length-Black	46DVA-48B	4DT-48B	4D48B	4D48B	SV4LB48	TC-4DL4B
60" Pipe Length-Galvanized	46DVA-60	4DT-60	N/A	N/A	N/A	N/A
60" Pipe Length-Black	46DVA-60B	4DT-60B	N/A	N/A	N/A	N/A
Adjustable Length 3"-10"-Galvanized	N/A	N/A	N/A	4DAL	N/A	TC-4DLT
Adjustable Length 3"-10"-Black	N/A	N/A	N/A	4DALB	N/A	TC-4DLTB
Adjustable Length 7"-Galvanized	N/A	N/A	4D7A	N/A	N/A	N/A
Adjustable Length 7"-Black	N/A	N/A	4D7AB	N/A	N/A	N/A
Extension Pipe 8-1/2"-Galvanized	46DVA-08A	N/A	N/A	N/A	N/A	N/A
Extension Pipe 8-1/2"-Black	46DVA-08AB	N/A	N/A	N/A	N/A	N/A
Adjustable Length 12"-Galvanized	N/A	N/A	4D12A	N/A	SV4LA12	N/A
Adjustable Length 12"-Black	N/A	N/A	4D12A	N/A	SV4LBA12	N/A
Extension Pipe 16"-Galvanized	46DVA-16A	N/A	N/A	N/A	N/A	N/A
Extension Pipe 16"-Black	46DVA-16AB	N/A	N/A	N/A	N/A	N/A
45° Elbow-Galvanized	46DVA-E45	4DT-EL45	4D45L	N/A	N/A	TE-4DE45
45° Elbow-Black	46DVA-E45B	4DT-EL45B	4DT-EL45B	N/A	N/A	TE-4DE45B
45° Elbow Swivel-Galvanized	See 46DVA-E45	N/A	N/A	4D45L	SV4E45	N/A
45° Elbow Swivel-Black	See 46DVA-E45B	N/A	N/A	4D45LB	SV4EB45	N/A
90° Elbow-Galvanized	46DVA-E90	4DT-EL90S	4DT-EL90S	N/A	N/A	TE-4DE90
90° Elbow-Black	46DVA-E90B	4DT-EL90SB	4DT-EL90SB	N/A	SV4EBR90-1	TE-4DE90B
90° Elbow, Swivel-Galvanized	See 46DVA-E90	N/A	N/A	4D90L	SV4E90-1	N/A
90° Elbow, Swivel-Black	See 46DVA-E90B	N/A	N/A	4D90LB	SV4EB90-1	N/A
90° Starter Elbow, Swivel-Galvanized	N/A	N/A	N/A	4D90A	N/A	N/A
Adaptor*	N/A	N/A	N/A	4D90L	N/A	N/A
Ceiling Support	N/A	4DT-CS	4DFSP	4DSP	SV4SD	TE-4DE45
Cathedral Support Box	46DVA-CS	4DT-CSS	4DRSB	4DRS	SV4CSB	TE-4DE45B
Wall Support/Band	46DVA-WS	4DT-WS/B	4DWS	4DWS	SV4BM	N/A
Offset Support	46DVA-ES (N/A - FPI)	4DT-OS	N/A	N/A	SV4SU	N/A
Wall Thimble-Black	46DVA-WT	4DT-WT	4DWT	4DWT	SV4RSM	TE-4DE90
Wall Thimble Support/Ceiling Support	46DVA-DC	N/A	N/A	N/A	SV4PF	TE-4DE90B
Firestop Spacer	46DVA-FS	4DT-FS	4DFSP	4DFS	SV4BF	N/A
Trim Plate-Black	N/A	4DT-TP	4DFPB	4DCP	SV4LA	N/A

Description	Simpson Direct Vent Pro®	Selkirk Direct Temp™	American Metal Products® Amerivent Direct	Metal-Fab™ Sure Seal	Security Secure-Vent®	ICC Excel Direct
Attic Insulation Shield 12"	46DVA-IS N/A@ FPI	N/A	4DAIS12	N/A	SV4RSA	N/A
Attic Insulation Shield - Cold Climates 36"	N/A	N/A	4DAIS12	N/A	N/A	TM-4AS

Basic Horizontal Termination Kit (A)	Disc.	4DT-HKA	4DHTK2	4DHTKA	SV-SHK	N/A
Horizontal Termination Kit (B)	46DVA-KHA (Changed Components)	4DT-HKB	4DHTK1	4DHTKB	SV-HK	N/A
Vertical Termination Kit	Disc.	4DT-VKC	4DHTK	4DHTK	SV-FK	N/A

High Wind Vertical Cap	46DVA-VCH	N/A	N/A	N/A	N/A	TM-4VT
High Wind Horizontal Cap	46DVA-HC	N/A	N/A	N/A	N/A	TM-4DHT
Horizontal Square Termination Cap	See 46DVA-HC	4DT-HHC	4DHC	4DHT	SV4CHC-1	TM-4HT
Vertical Termination Cap	46DVA-VC	4DT-HVC	4DVC	4DVT	SV4CGV-1	TM-4VT
Storm Collar	46DVA-08A	4DT-SC	4DSC	4DSC	SV4FC	TM-SC

Adjustable Flashing 0/12-6/12	46DVA-F6	4DT-ST14	4D12S	4DST14	SV4STC14	TF-4FA
Adjustable Flashing 6/12-12/12	46DVA-FLA	4DT-ST36	4D36S	4DST36	SV4STC36	TF-4FB

Vinyl Siding Standoff	46DVA-VSS	4DT-VS	N/A	4DVS	SV4VS	TM-VSS
Vinyl Siding Shield Plate	N/A	4DT-VSP	N/A	N/A	SV4VS	N/A

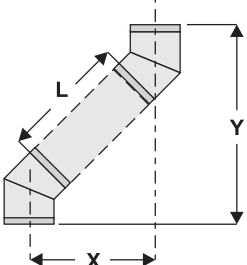
Snorkel Termination 14"	46DVA-SNKL	N/A	N/A	N/A	N/A	TM-4ST14
Snorkel Termination 36"	N/A	N/A	N/A	N/A	N/A	TM-4ST36

Restrictor Disk	N/A	N/A	N/A	N/A	N/A	TM-4DS
Extended Vertical Termination Cap	N/A	N/A	N/A	N/A	N/A	N/A
Chimney Conversion Kit A (USA only)	46DVA-KCA	N/A	N/A	N/A	N/A	TM-4CA6
Chimney Conversion Kit B (USA only)	46DVA-KCB	N/A	N/A	N/A	N/A	TM-4CA7
Chimney Conversion Kit C (USA only)	46DVA-KCC	N/A	N/A	N/A	N/A	TM-4CA8
Chimney Conversion Kit Masonry (USA only)	46DVA-KMC	N/A	N/A	N/A	N/A	N/A
Wall Firestop	46DVA-WFS	N/A	N/A	N/A	N/A	TM-4TR
Colinear Flex Connectors	46DVA-ADF	N/A	N/A	N/A	N/A	N/A

FPI			
946-506/P	Vent Guard (Optional) for AstroCap	946-205	Vinyl Siding Shield for Riser Vent Terminal
510-994	Rigid Pipe Adaptor (Must use with all rigid piping)	946-208/P	Vent Guard (Optional) for Riser Vent Terminal
640-530/P	Riser Vent Terminal	946-523/P	AstroCap Horizontal Cap
946-605	Starter Collar Increaser 4" x 6-5/8" to 5" x 8"	946-206	Vinyl Siding Standoff for AstroCap

**Note:** When using Metal-Fab Sure Seal Rigid Piping - please note that the Adaptor (4DDA) must be used in conjunction with FPI Rigid Pipe Adaptor (510-994).

**Offset Pipe Selection:** Use this table to determine offset pipe lengths.

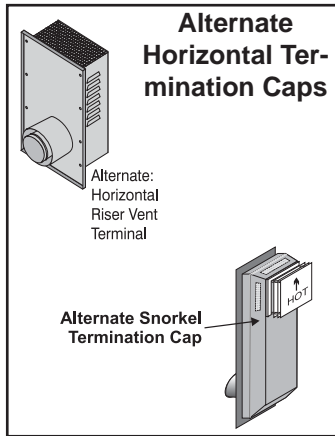
Pipe Length (L)	4" x 6-5/8" Venting			For specific instructions on venting components - visit the manufacturers website listed below.
	Run (X)	Rise (Y)		
0" (0mm)	4-7/8" (124mm)	13-7/8" (340mm)		
6" (152mm)	8" (203mm)	16-1/2" (419mm)		
9" (229mm)	10-1/8" (257mm)	18-5/8" (473mm)		
12" (305mm)	12-1/4" (311mm)	20-3/4" (527mm)		
24" (610mm)	20-5/8" (524mm)	29-1/8" (740mm)		
36" (914mm)	29" (737mm)	37-1/2" (953mm)		
48" (1219mm)	37-7/16" (951mm)	45-15/16" (1167mm)		

**Note:** Horizontal runs of vent must be level, or have a 1/4" 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 a possible fire hazard.



## RIGID PIPE VENTING SYSTEMS

### Horizontal or Vertical Terminations

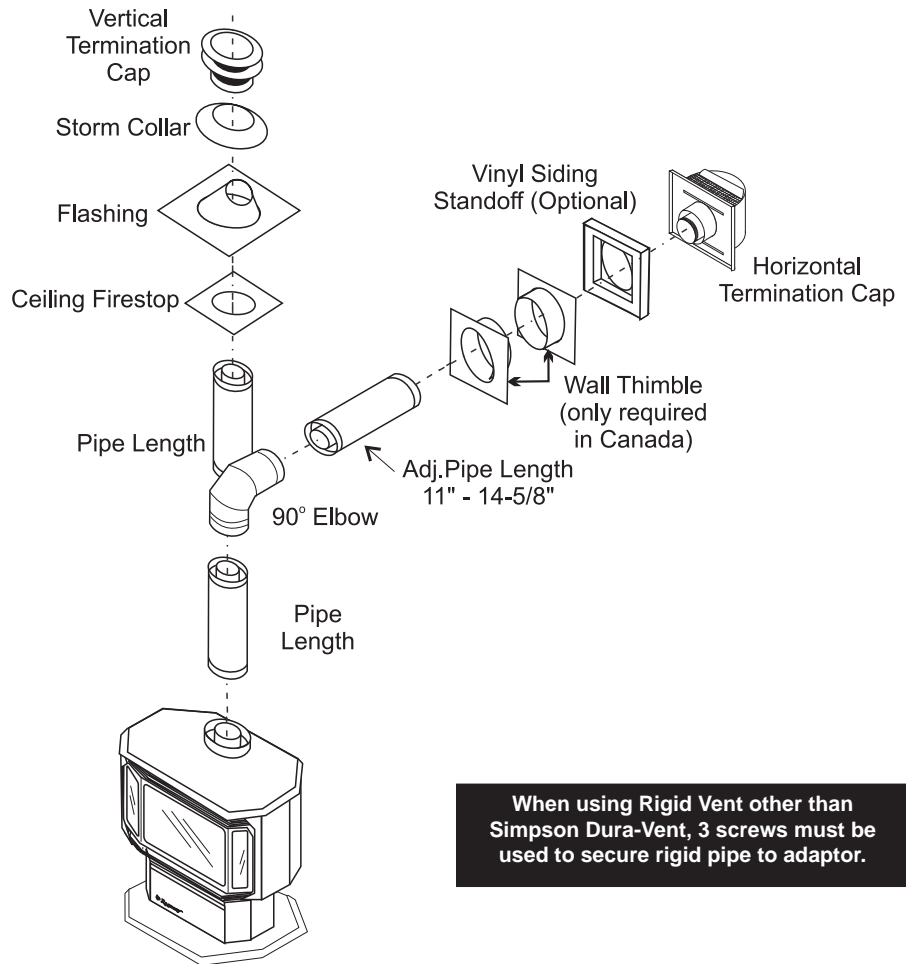


#### **WARNING:**

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 Duravent Direct-Vent, 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.



**When using Rigid Vent other than Simpson Dura-Vent, 3 screws must be used to secure rigid pipe to adaptor.**

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



## INSTALLATION PRECAUTIONS

These venting systems are engineered products that have been designed and tested for use with the U39-NG1, and U39-LP1. The warranty will be voided and serious fire, health or other safety hazards may result from any of the following actions:

- 1) Installation of any damaged Direct Vent component
- 2) Unauthorized modification of the Direct Vent System
- 3) Installation of any component part not manufactured or approved by Simpson Dura-Vent or Fireplace Products International Ltd.
- 4) Installation other than as instructed by Simpson Dura-Vent and Fireplace Products International Ltd.

**Warning: Always maintain required clearances (air spaces) to nearby combustibles to prevent a fire hazard. Do not fill air spaces with insulation.**

Be sure to check the vent termination clearance requirements from decks, windows, soffits, gas regulators, air supply inlets and public walkways as specified in the "Exterior Vent Terminal Locations" section in your local building codes.

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 it's own separate vent system. Common vent systems are prohibited.

## SAFETY PRECAUTIONS FOR THE INSTALLER

- 1) Wear gloves and safety glasses for protection.
- 2) Exercise extreme caution when using ladders or on roof tops.
- 3) Be aware of electrical wiring locations in walls and ceilings.

## RIGID PIPE VENTING ARRANGEMENTS

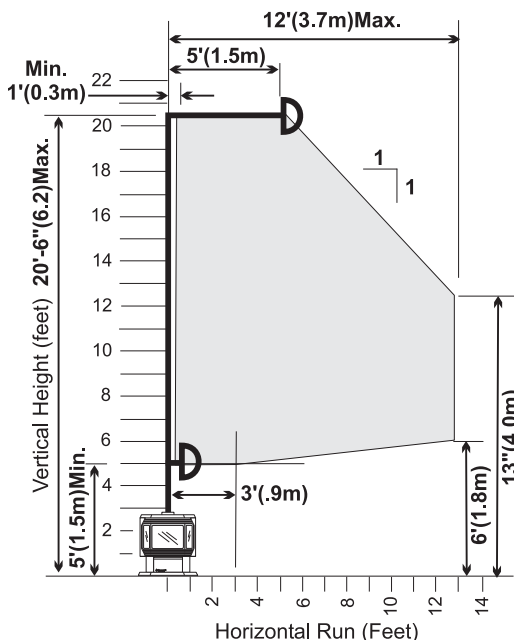
### Horizontal Terminations for All Venting Systems

The shaded areas in the diagram below show all allowable combinations of vertical runs with horizontal terminations. Maximum one 90° elbow (two 45° elbows equal one 90° elbow).

### Propane and Natural Gas: Residential, Manufactured and Mobile Homes Installations

The venting arrangements diagrammed below, have a min. of 75% (flue loss) efficiency with Fan Off, as required for manufactured homes. (Actual efficiency may be as high as 85%)

*May be installed in Manufactured (Mobile) Homes after first sale.*

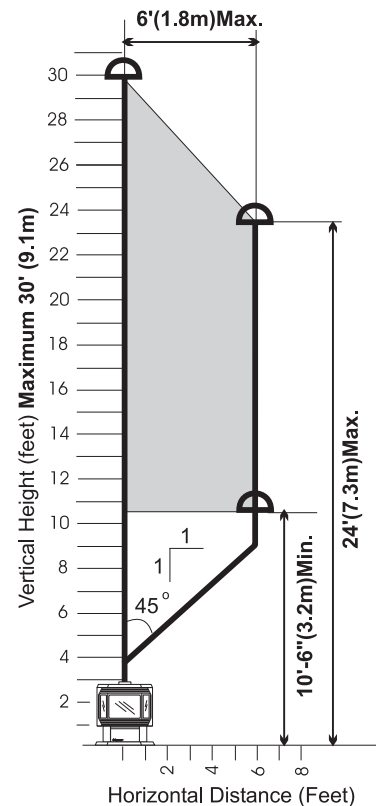


### Vertical Termination Systems for Residential Manufactured and Mobile Homes

The shaded area in the diagram below shows all allowable combinations of straight vertical and offset to vertical runs with vertical terminations. Maximum two 45° elbows.

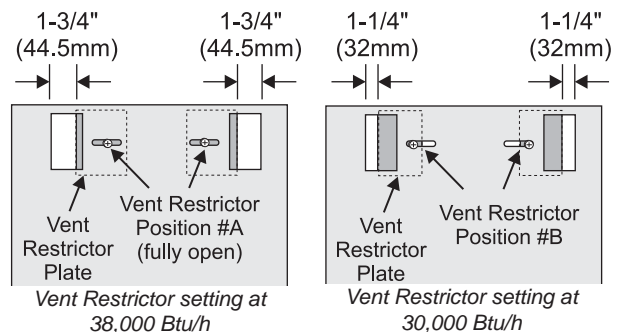
If the vent is ENCLOSED in a chase (min. size 9" x 9") maintain a 1-1/4" clearance to combustibles.

*May be installed in Manufactured (Mobile) Homes after first sale.*



### Vent Restrictor Position

To set the Vent restriction as indicated in the diagram, simply loosen the screws and push the vent restrictor plate to the correct position. Tighten the screws.



# INSTALLATION

## Horizontal Venting with Two (2) 90° Elbows

One 90° elbow = Two 45° elbows.

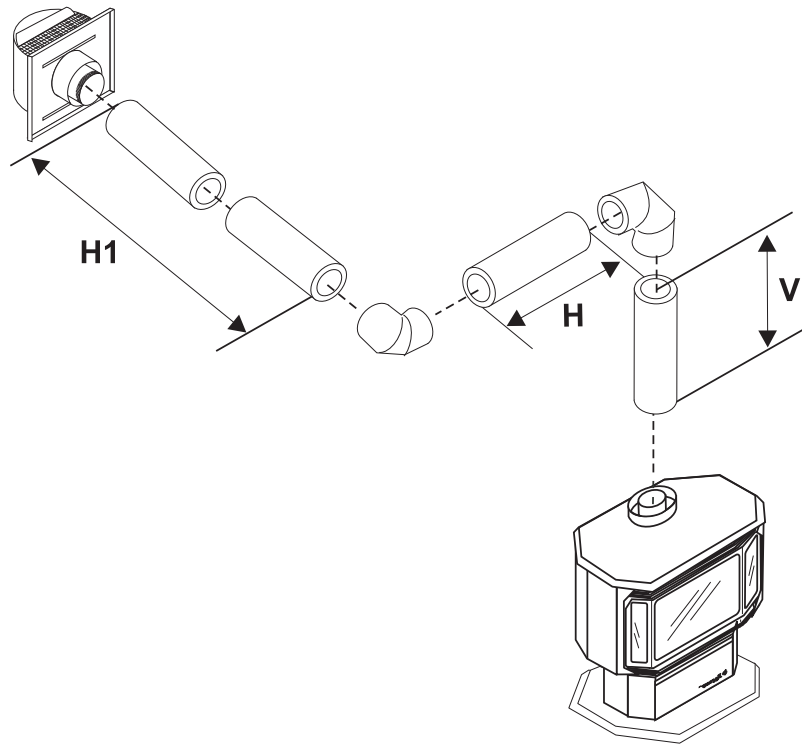
Option	V	H + H1
A)	3' Min.	2' Max.
B)	5' Min.	3' Max.
C)	8' Min.	4' Max.

With these options, maximum total pipe length is 30 feet with minimum of 8 feet total vertical and maximum 4 feet total horizontal.

**Please note minimum 1 foot between 90° elbows is required.**

Lengths do not include elbow indicated

Vent restrictor position A (fully open). Refer to the "Venting Arrangement" section.



## Vertical Venting with Two (2) 90° Elbows

One 90° elbow = Two 45° elbows.

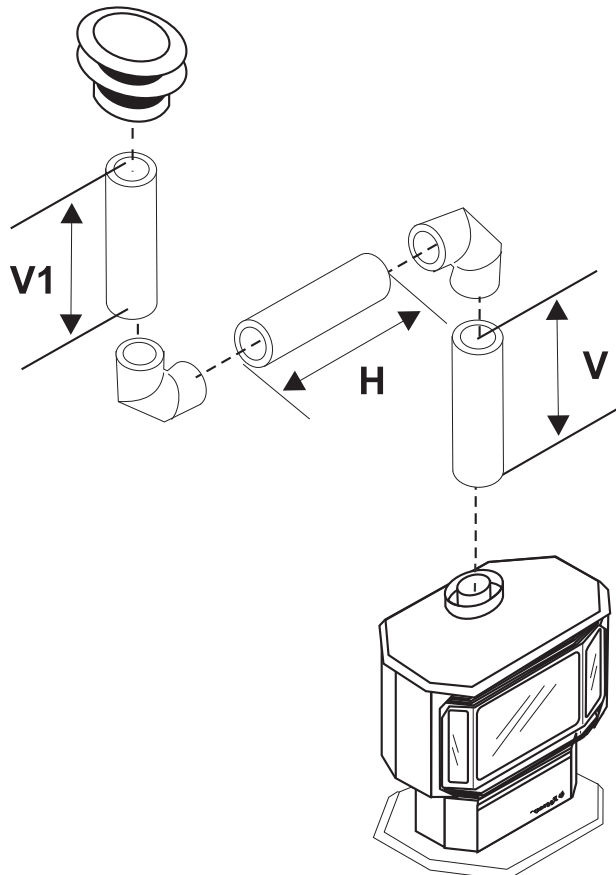
Option	V	H	V1	V + V1
A)	1' Min.	1' Max.	1' Min.	2' Min.
B)	1' Min.	2' Max.	2' Min.	3' Min.
C)	2' Min.	3' Max.	2' Min.	4' Min.
D)	2' Min.	4' Max.	2' Min.	4' Min.

With these options, max. total pipe length is 30 feet with min. of 4 feet total vertical and max. 4 feet total horizontal.

**Please note min. 1 foot between 90° elbows is required.**

Lengths do not include elbow indicated

Vent restrictor position A (fully open). Refer to the "Venting Arrangement" section.



## DV STOVE HORIZONTAL VENT KIT (# 946-116 & #946-216)

DV Stove Horizontal Vent Kit (2 ft. Part # 946-116 or 4 ft. Part # 946-216) includes all the parts needed to install the U39 with minimum horizontal and vertical vent dimensions. For installations that require longer vertical and/or horizontal vents see the "Dura-vent Termination Kit and Component" sections.

### Qty. Description

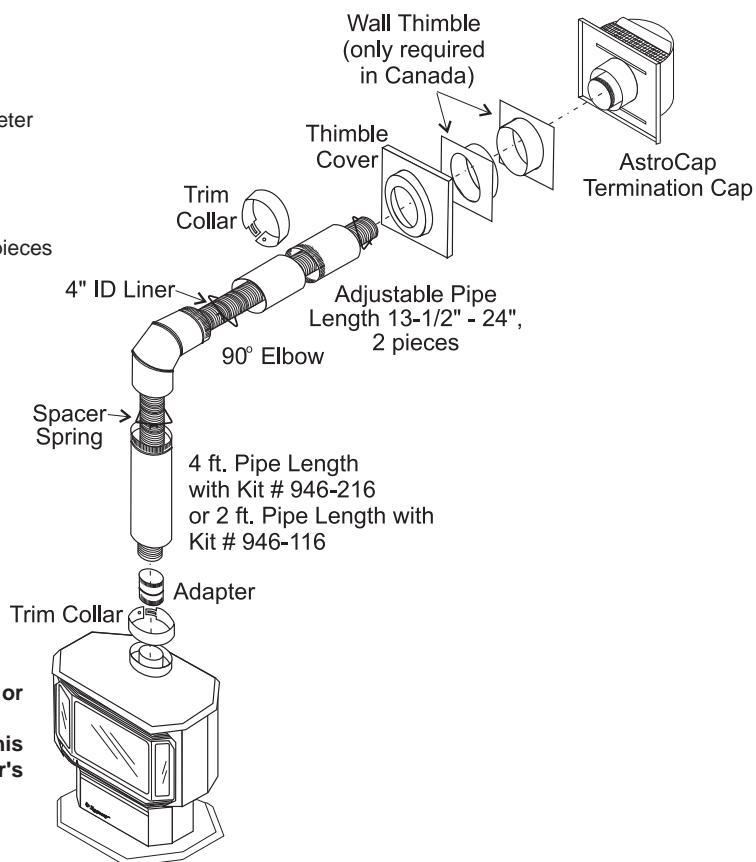
- 1) 1 Rigid Pipe Section (Kit # 946-116: 2 ft. (1.2m) length, Kit # 946-216: 4 ft. (1.2m) length), 6-1/2" (165mm) inside diameter
- 2) 1 Flex Liner, compressed aluminium 2 ply liner, 4" (102mm) inside diameter
- 3) 4 spring spacers
- 4) 190 deg. Elbow
- 5) 1 Adjustable pipe section 13-1/2" to 24" (343mm x 610mm), 2 pieces
- 6) 1 Thimble Cover
- 7) 1 Wall Thimble (2 pcs.)
- 8) 1 Adapter
- 9) 1 **AstroCap** Termination Cap
- 10) 2 Trim Collar
- 11) 1 tube of Mill-Pac, high temperature sealant
- 12) 12 Screws, #8 x 1/2" Self tapping, Stainless Steel
- 13) 13 Screws, #8 x 1/2" Self tapping, Black
- 14) 4 Screws #8 x 1-1/2" Drill Point, Black
- 15) 4 Screws #8 x 1-1/2" Drill Point, Stainless Steel
- 16) 8 Wood screws #8 x 1"

### Optional:

946-206 Vinyl Siding Standoff for **AstroCap**

### Note:

- a) Liner sections should be continuous without any joints or seams.
- b) This is an approved system, therefore components in this system must not be substituted for any other manufacturer's products.



## DV STOVE HORIZONTAL VENT KIT INSTALLATION

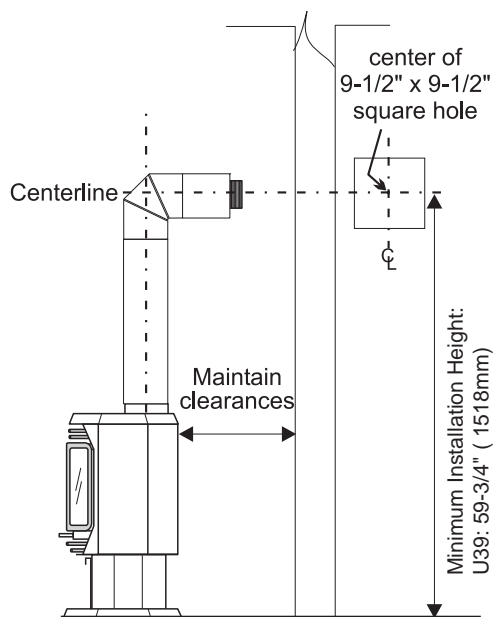
Review the following sequence of instructions which are typical of most installations. The sequence may vary depending on wall thickness. **Refer to vent location and clearance dimensions in "Exterior Vent Termination Locations" to "DV Stove Horizontal Vent Kit" sections.**

- 1) Set the unit in its desired location. Check to determine if wall studs will be in the way of the venting system, adjust location until all clearances are met and there are no obstructions.

**Note:** A 1-1/2" (38mm) clearance around the outer pipe must be maintained except that only a 1" (25mm) clearance is needed at the termination end.

### 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.

- 2) Assemble a trial fit to determine the vertical center-line for the vent termination.

- a) Cut a 9-1/2" x 9-1/2" (241mm x 241 mm) square hole on both the interior and exterior wall.
- b) Install wall thimbles on both interior and exterior wall with 4 wood screws (#8 x 1") per thimble.
- c) Attach the 2 piece adjustable pipe section to the vent terminal and slide into position from the exterior. **The larger diameter end of the adjustable pipe goes to the vent terminal.**
- d) Install the 90° elbow onto the adjustable pipe to determine the vertical centerline of the starter collar on the unit.

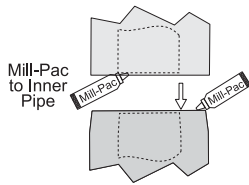
# INSTALLATION

**Note: if the centerline cannot be met, the adjustable sections will have to be cut.**

- e) Cut the 2 ft. or 4 ft. section of rigid pipe to length. Ensure that the pipe length when cut will seat onto both the starter collar and the 90° elbow. **Crimped section of rigid pipe seats into the 90° elbow. Only cut the uncrimped side of pipe.**

Dismantle all pipe sections including vent terminal.

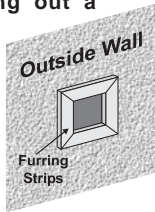
- 3) Attach the 4" dia. flex liner to the vent terminal ensuring that the flex overlaps the collar of the vent terminal by a minimum of 1-3/8" (35mm). Use Mill-Pac to seal and secure with 3 of the #8 x 1/2" screws (stainless steel).
- 4) Attach the adjustable pipe section to the vent terminal using Mill-Pac and attach with 3 of the #8 x 1/2" screws (stainless steel).



**Note: The pipe seam should be facing down.**

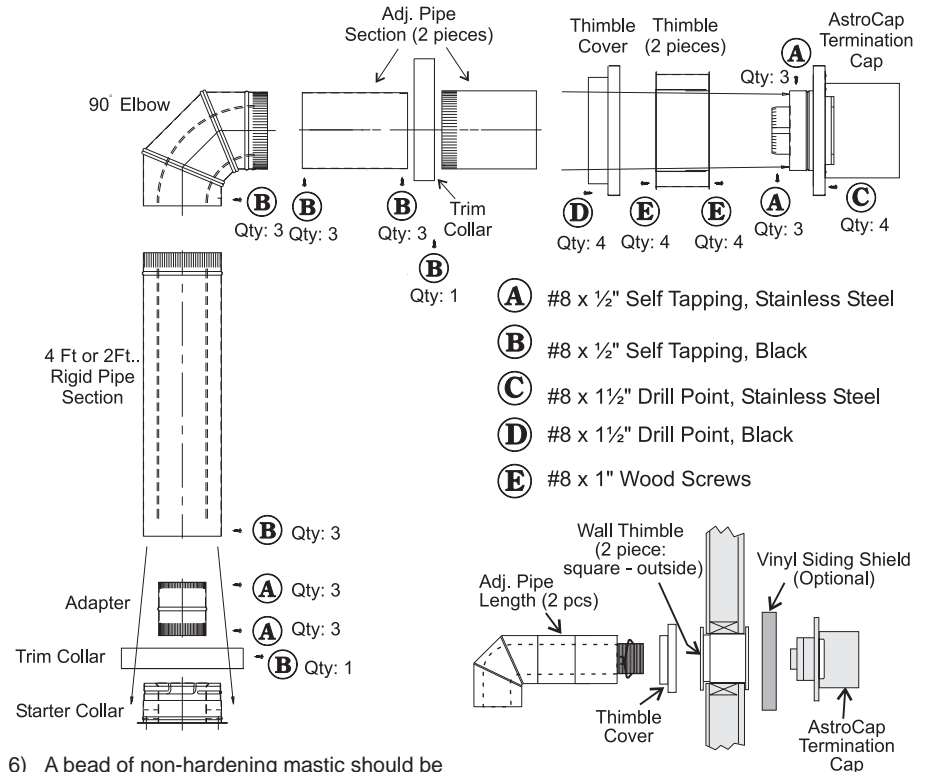
**Note: To make the installation more aesthetically pleasing, we recommend framing out a square that the cap can be mounted on.**

**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. For vinyl siding installation refer to the Dura-Vent Termination instructions.**



- 5) Slide the partially connected pipe and vent terminal assembly through the wall thimbles (from the exterior into the interior) and secure the cap to the exterior wall with 4 of the supplied screws (#8 x 1-1/2" drill point, stainless steel). Note: pilot holes will need to be drilled through the wall thimble on all 4 corners.

**Note: The four screws provided for the vent cap should be replaced with appropriate fasteners for stucco, brick, concrete, or other types of sidings.**



- 6) A bead of non-hardening mastic should be run around both the termination and vinyl siding standoff to prevent water from entering and to make a tight seal between the cap and the standoff.

- 7) Stretch the 4" dia. flex liner out fully and get a trial fit of the liner onto the 4" dia. starter collar.

- 8) Cut the 4" dia. flex liner to the desired size.

Hint: leave an extra 12" to 16" of length, this will make the final assembly easier to work with.

- 9) Secure the 4" dia. flex liner to the 4" adapter with Mill-Pac and 3 of the #8 x 1/2" screws (stainless steel).

- 10) Slide the decorative Thimble Cover over the pipe sections and secure with 4 screws (#8 x 1-1/2" drill point, black) to the wall.

- 11) Slide the 90° elbow (crimp end up) and the 2 ft. or 4 ft. pipe section (crimp end up) over the 4" dia. flex liner.

- 12) Slide the trim collar over the adjustable pipe sections to cover the joint of the telescopic section.

- 13) Install the spring spacers onto the pipe sections.

- 14) Secure the 4" dia. flex liner with adapter onto the stove collar. Put a bead of Mill-Pac around the appliance adapter and secure with 3 screws (#8 x 1/2, stainless steel).

- 15) Attach the pipe section onto the starter collar by sealing with Mill-Pac and/or high temperature silicone and securing with 3 of the #8 x 1/2" (black) screws. Pipe seams should be facing the wall.

- 16) Attach the 90° elbow onto the pipe section by sealing with Mill-Pac and/or high temperature silicone and securing with 3 of the #8 x 1/2" screws (black).

- 17) Slide the adjustable pipe section onto the 90° elbow. The flex may have to be compressed back in order for the adjustable pipe to properly mate to the elbow. Seal with Mill-Pac and/or high temperature silicone and secure with 3 of the #8 x 1/2" screws (black). Pipe seams facing down.

- 18) Install the trim collar over the starter collar and secure with a #8 x 1/2" screw (black).

If the pipe needs to be touched up, use only Stove Brite High Temperature Metallic Black Stove Paint.

**NOTE: For best results and optimum performance with each approved venting system, it is highly recommended to apply "Mill-Pac" sealant (supplied) to every inner pipe connection. Failure to do so may result in drafting or performance issues not covered under warranty. Silicone (red RTV) is optional.**

## DURA-VENT TERMINATION KIT

### Planning Your Dura-Vent Installation

There are two basic types of Dura-Vent Direct Vent System installations: horizontal termination and vertical termination. Confirm the maximum horizontal run and maximum vertical rise from the diagrams in the "Rigid Pipe Venting Arrangements" section.

When planning your installation, it will be necessary to select the proper length of vent pipe for your particular requirements. For horizontal installations, determine the minimum clearance from the rear of the unit to the wall. It is also important to note the wall thickness. (The wall thimble is suitable for 2 x 4 or 2 x 6 wall construction.) Select the amount of vertical rise desired for "vertical-to-horizontal" type installations.

**Warning:** Always maintain required clearances (air spaces) to nearby combustibles to prevent a fire hazard. Do not fill air spaces with insulation.

The minimum clearance requirements between the outer wall of the vent pipe and nearby combustible surfaces is 1-1/4 inch. Be sure to check the vent termination clearance requirements from decks, windows, soffits, gas regulators, air supply inlets and public walkways as specified in the "Exterior Vent Terminal Locations" section and in your local building codes.

To determine the length of vent pipe required for vertical installations, measure the distance from the unit flue outlet to the ceiling, the ceiling thickness, the vertical rise in an attic or second storey, and allow for sufficient vertical height above the roof line.

For multi-storey applications, fire stops are required at each floor level. If an offset is needed, additional pipe, elbows and supports will be required.

## DURA-VENT VENTING COMPONENTS

You will require the following components with your new Regency® Direct Vent Freestanding Gas Stove. Please review your product to make sure you have everything you need. In the event that you are missing any part, contact your dealer.

**Note:** These are the minimum pieces required. Other parts may be required for your particular installation. See the "Dura-vent Horizontal Kit" section for a list of vent parts.

If installing termination on a siding covered wall, a vinyl siding standoff or furring strips can be used in order to ensure that the termination is not recessed into siding.

The vinyl siding standoff is required for walls with vinyl siding.

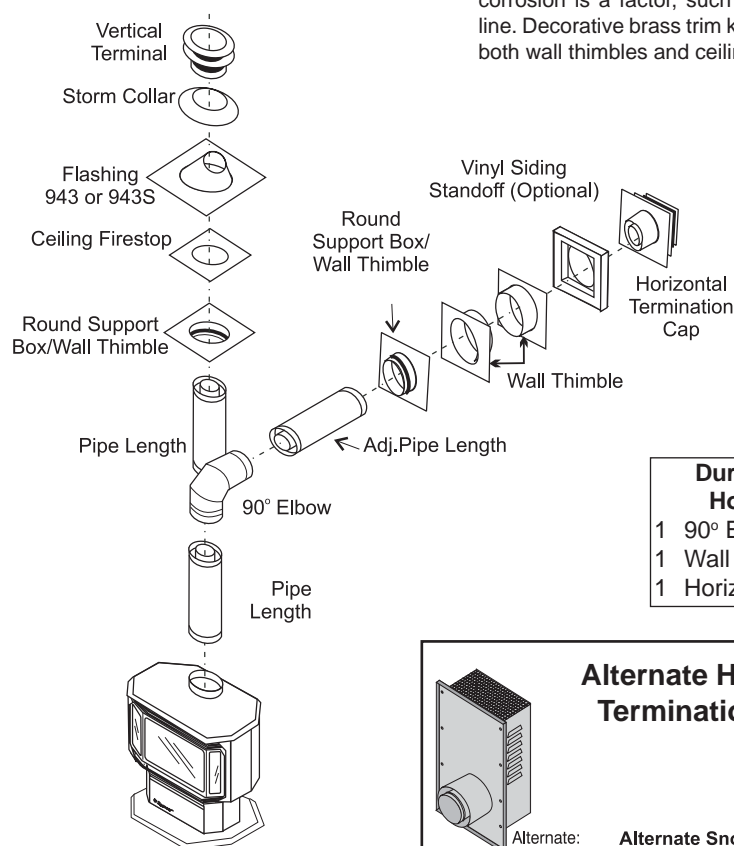
**Minimum components for a Dura-Vent Horizontal Installation:**

- A) Dura-Vent Horizontal Termination Kit
- B) Wall Thimble (required for combustible walls)

**Minimum components for a Dura-Vent Vertical Termination:**

- C) Dura-Vent Vertical Termination Kit
- See the "Rigid Pipe Venting Arrangements" section for pipe lengths.

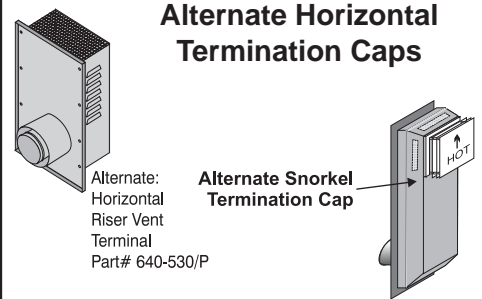
The Simpson Dura-Vent Direct Vent System offers a complete line of component parts for installation of both horizontal and vertical installation. Many items are offered in decorative black, as well as galvanized finish. The galvanized pipe and fittings are used for concealed locations such as attics or where corrosion is a factor, such as above the roof line. Decorative brass trim kits are available for both wall thimbles and ceiling support boxes.



### Dura-Vent Basic Horizontal Kit

- 1 90° Elbow
- 1 Wall Thimble Cover
- 1 Horiz. Sq. Term. Cap

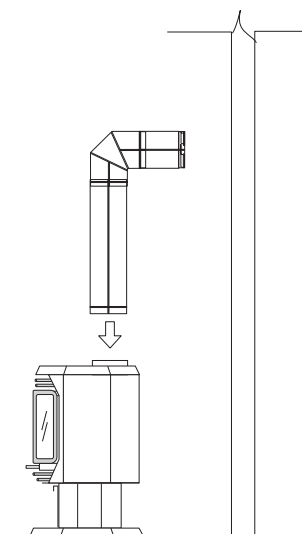
### Alternate Horizontal Termination Caps





## DURA-VENT HORIZONTAL TERMINATIONS

- 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.
- 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 installed on the unit at the factory. Assemble the desired combination of pipe and elbows to the appliance adaptor with pipe seams oriented towards the wall or ceiling, as much out of view as possible. The final positioning of the pipe and 90° elbow assembly is determined by the mounting orientation of the adaptor on the stove and twist-locked for a solid connection.



### Note:

- a) 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 in to 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:** For best results and optimum performance with each approved venting system, it is highly recommended to apply "Mill-Pac" sealant (supplied) to every inner pipe connection. Failure to do so may result in drafting or performance issues not covered under warranty. Silicone (red RTV) is optional.

Hint: Apply silicone to female end.

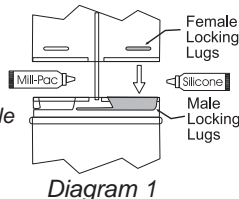


Diagram 1

- b) Horizontal runs of vent must be supported every three feet. Wall straps are available for this purpose.
- 3) With the pipe attached to the stove, slide the stove into its correct location, and mark the wall for a 10" x 10" (inside dimensions) square hole. The center of the square hole should line up with the centerline of the horizontal pipe, as shown in diagram 2. 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" diameter hole is acceptable.

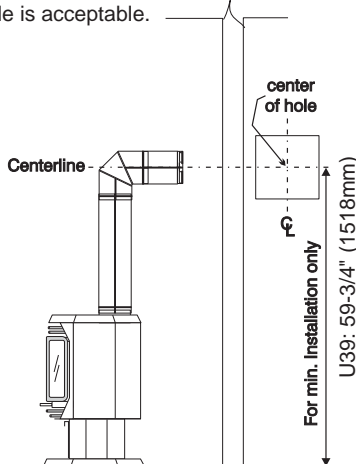


Diagram 2

### Note:

- a) The horizontal run of vent should 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.
- b) 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. See instructions in the "External Vent Terminal 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 as shown in Dia. 3 are available, as well as the standard Riser Vent, see Dia. 3a. Follow the same installation procedures as used for standard Horizontal Termination. NEVER install the snorkel upside down.

\*Dia 3, 3a & 4: As specified in CGAB149 Installation Code. Local codes or regulations may require different clearances.

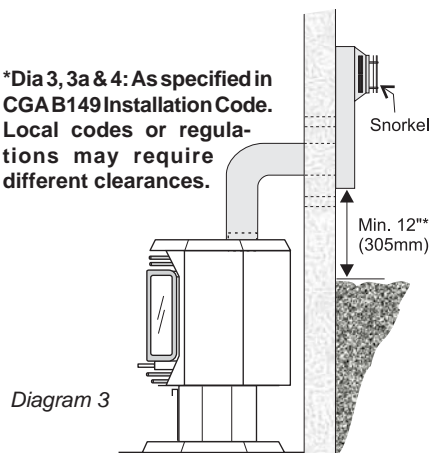


Diagram 3

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

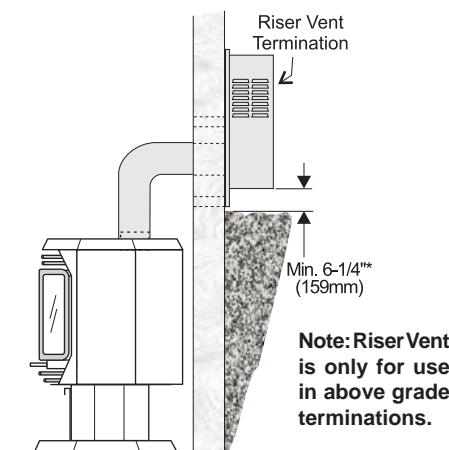


Diagram 3a

**Note:** Riser Vent is only for use in above grade terminations.



## 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 Dia. 4. Do not attempt to enclose the Snorkel within the wall, or any other type of enclosure.

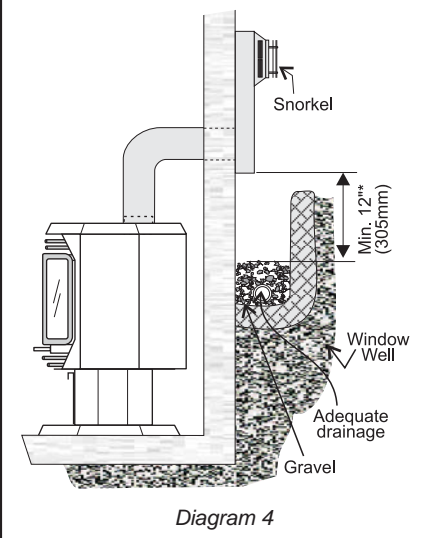


Diagram 4

- 4) If installing the vent termination to a wall with vinyl siding, the Vinyl Siding Standoff must be used. Attach the Vinyl Siding Standoff to the Horizontal Vent Termination, but first run a bead of non-hardening mastic around its outside edges, so as to make a seal between vent cap and the standoff. Install the Vinyl Siding Standoff (Part # 950) between the vent cap and the exterior wall and attach with the four wood screws provided. Seal around the Vinyl Siding Standoff on all four sides. Diagram 5. **The arrow on the vent cap should be pointing up.** Insure that the 1-1/4" clearances to combustible materials are maintained. See diagram 5.

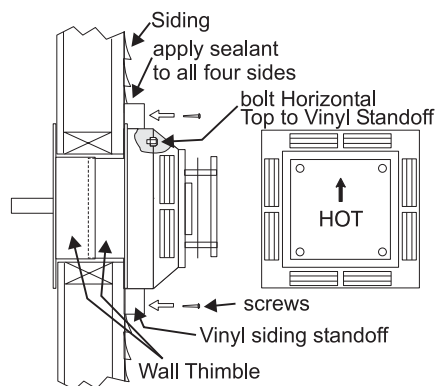


Diagram 5

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

- 5) Before connecting the horizontal run of vent pipe to the vent termination, slide the black decorative wall thimble cover over the vent pipe, then slide the Wall Thimble (Part # 942) over the vent pipe.
- 6) 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 a 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. Bend any remaining portion of the sheet metal strip back towards the vent cap, so it will be concealed by the decorative wall thimble cover. See diagram 6.

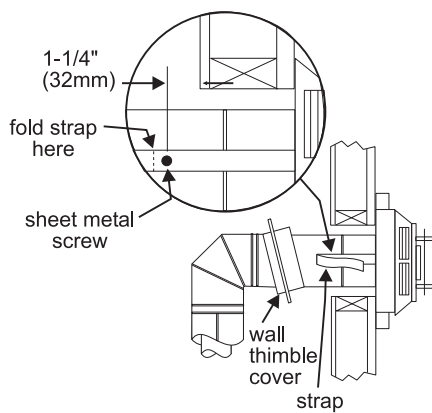


Diagram 6

- 7) Install the Wall Thimble in the center of the 10" square and attach with wood screws.
- 8) Slide the decorative wall thimble up to the wall surface being careful not to scratch the paint and attach with screws provided. Apply decorative brass or chrome trim if desired. See diagram 7.

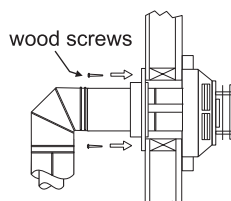


Diagram 7

## DURA-VENT VERTICAL TERMINATIONS

- 1) Maintain the 1-1/4" 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 "Rigid Pipe Venting Arrangements" section for the maximum vertical rise of the venting system and the maximum horizontal offset limitations.

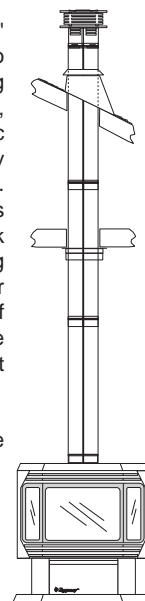


Diagram 8

- 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 his 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. Determine if ceiling joists, roof rafters or other framing will obstruct the venting system. You may wish to relocate the appliance or to offset, as shown in diagram 9 to avoid cutting load bearing members.

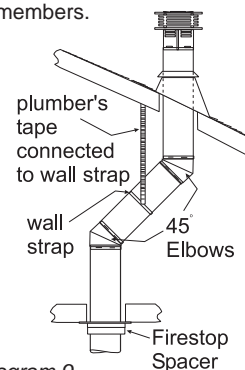


Diagram 9

- 3) To install the Round Support Box/Wall Thimble in a flat ceiling, cut a 10 inch square hole in the ceiling centred on the hole drilled in Step 2. Frame the hole as shown in diagram 10.

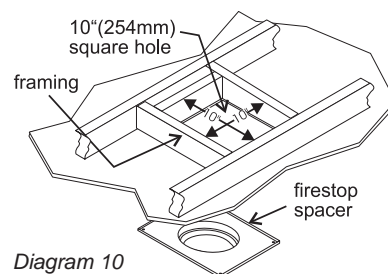


Diagram 10

# INSTALLATION

- 4) Assemble the desired lengths of black pipe and elbows necessary to reach from the appliance adaptor up through the Round Support Box. Insure that all pipes and elbow connections are in the fully twist-locked position and sealed.
- 5) Cut a hole in the roof centred 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 1-1/4". Slip the flashing under the shingles (shingles should overlap half the flashing) as per diagram 11.

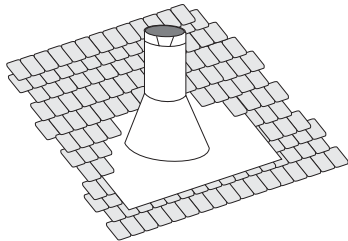


Diagram 11: The upper half of the flashing is installed under the roofing material and not nailed down until the chimney is installed. This allows for small adjustments.

- 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. See diagram 7.

Galvanized pipe and elbows may be utilized in the attic as well as above the roofline. The galvanized finish 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 12 or local codes. Note that for 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.

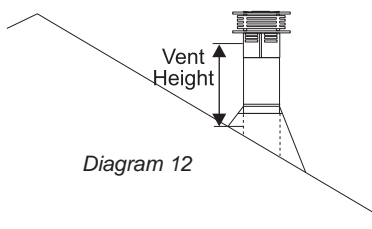


Diagram 12

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

- 7) Ensure vent is vertical and secure the base of the flashing to the roof with roofing nails, slide storm collar over the pipe section and seal with a mastic.

- 8) Install the vertical termination cap by twist locking it.

## Notes:

- a) For multistorey vertical installations, a Ceiling Fire stop is required at the second floor, and any subsequent floor. Diagram 13. The opening should be framed to 10" x 10" inside dimensions, in the same manner as shown in diagram 10.

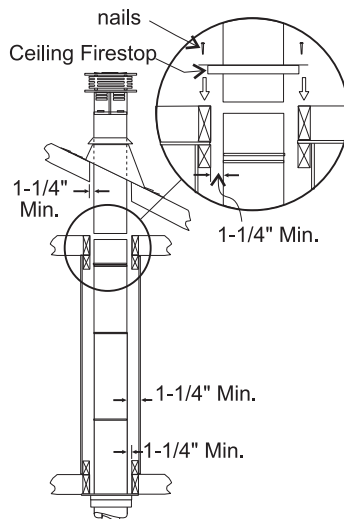
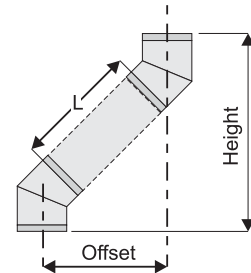


Diagram 13

## Offset Chart

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



- b) Any occupied areas above the first floor, including closets and storage spaces, through which the vertical vent passes, must be enclosed.

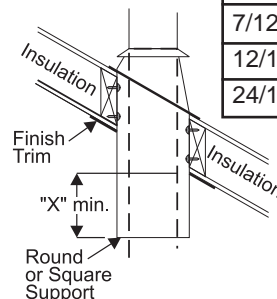
## CATHEDRAL CEILINGS

### Round Support (RDS) & Square Support (SQS)

If your home has a cathedral ceiling (no attic space between the ceiling and the roof), install the chimney and support as follows.

- 1) Situate the chimney in a convenient location as near as possible to the appliance outlet. Cut and frame a hole in the roof for the support. The sides of this hole must be vertical with 1 1/4" clearance.
- 2) Place the support in the opening. Lower it to the correct height as determined by the table and diagram below.

Slope	"X"
0/12 - 2/12	4"
2/12 - 7/12	5-1/2"
7/12 - 12/12	6-3/4"
12/12 - 24/12	7-1/2"
24/12+	12-1/2"



Using a level, make sure the support is vertical. If the support extends above the roof, cut it flush with the top of the roof. Nail the support to the frame opening using (8) 3" spiral nails or #8 x 1-1/2" screws.

**Note:** If you are using a 6" square support you may find it difficult to screw it in place because it is fairly small inside.

Simpson Dura-Vent has provided angle brackets with this support which can be screwed to the outside of the support box and nailed to surrounding framing as required. Use a minimum of four #8 x 1/2" screws per bracket. In some cases these brackets may need to be trimmed (e.g.: to fit under a flashing). Place the Finish Collar around the support and fasten it to the ceiling using the screws provided.

- 3) Use appropriate roof flashing. Place the flashing under the upper shingles and on top of the lower shingles approximately half of the flashing should be under the shingles.
- 4) Assemble the desired lengths of Black Pipe and Elbows necessary to reach from the appliance adaptor up through the support box and flashing to proper height as per Dia. 12, local codes or the "Rigid Pipe Venting Arrangements" section. Ensure that all pipe and elbow connections are in their fully twist lock position.
- 5) Ensure vent is vertical and secure flashing to the roof with roofing nails. Slide the storm collar over the pipe section and seal with a mastic.
- 6) Twist lock the vent cap on to the last section.

## Support Extensions - Round (RDSE) or Square (SQSE)

Steep pitched cathedral ceilings may require the use of a support extension. This piece fits down inside the support and can be adjusted to increase the support's length by up to 22". The extension is attached to the support using the eight metal screws provided. Be sure there is at least a 2 inch overlap where the extension joins the support.

# CONVERTING A CLASS-A METAL CHIMNEY OR MASONRY CHIMNEY TO A DIRECT VENT SYSTEM

## General

There are two different types of direct vent conversion systems listed below. Follow the appropriate directions for your installation.

- A) Through an existing factory built metal chimney going through the ceiling: A typical conversion of this type is shown in diagram 1. The concept of direct vent conversion is to connect an adaptor to an Underwriters Laboratories (UL) listed 4 inch diameter aluminum flex pipe which is then passed down through the center of the existing metal chimney system. Three sizes of Top Adaptors are available from Simpson Dura-Vent. The Retro Connector is attached to the bottom of the flex pipe. The Top Adaptor and the Retro Connector are attached to the existing chimney with sheet metal screws. The appliance is then connected to the chimney with appropriate black direct vent pipe and an adjustable length section.
- B) Through the wall of an existing masonry chimney: A typical conversion of an existing masonry chimney is shown in Diagram 6. A Top Adaptor and Flashing are used at the top of the masonry chimney. The 4 inch aluminum liner is connected to the adaptor and is passed down the chimney and out through the masonry wall and attached to the Retro Connector. The Retro Connector is attached to the masonry wall and then connected to the direct vent pipe leading to the appliance.

**Prior to installation and connection of the vent system to a factory-built or masonry chimney, the chimney must be inspected and thoroughly cleaned by a qualified service person, such as a certified chimney sweep or home inspection service.**

**The direct vent system must not be connected to a damaged factory-built or masonry chimney.**

**For factory built, zero clearance, and masonry chimneys cleanout doors and caps or plugs for cleanout tee fittings and ash dumps shall be secured in place and sealed before installing a Direct Vent system within the chimney.**

If the appliance shuts off during operation, contact a qualified service person to determine if a negative pressure and/or leaky chimney condition exists. Do not operate the appliance until the problem is corrected.

## Approved for US Installations Only

The use of an existing chimney as an air intake is not covered under the CGA 2.17-M91, ANSI Z21.88a-2007/CSA 2.33a-2007 test methods and the resulting ITS/WHI product certification. The code Authority Having Jurisdiction must be consulted prior to proceeding with this installation method.

## Converting a Factory Built Metal Chimney

- 1) Remove the existing chimney cap.
- 2) Measure the distance from the top end of the chimney to the bottom of the ceiling support box, add 3" (76mm) to this measurement, and cut a section of the 4" flex pipe to that length (the flex should already be extended to its nominal length).

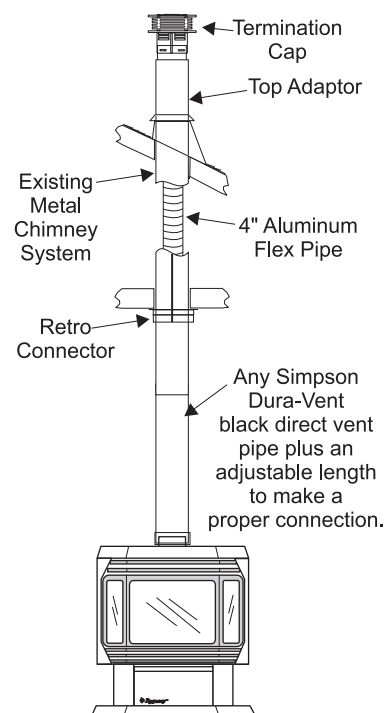


Diagram 1

- 3) Connect the end of the flex pipe section to the underside of the Top Adaptor using 3 sheet metal screws. Diagram 2.

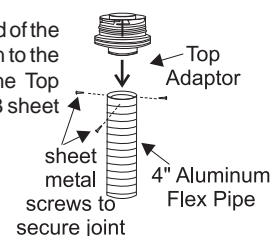


Diagram 2

- 4) Pass the flex pipe down through the center of the chimney system, and center the adaptor on the top of the chimney pipe. Drill four 1/8" diameter holes through the adaptor and into the chimney top. Insure that you are in fact, drilling into the metal on the chimney. Twist-lock the Termination Cap onto the Adaptor. (Diagram 3 and 4).

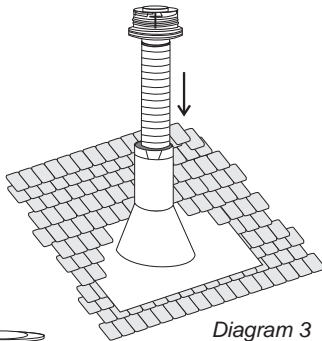


Diagram 3

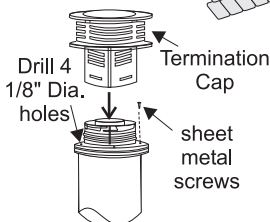


Diagram 4

- 5) Pull the flex pipe down through the ceiling support box, until it protrudes approximately 3" (76mm). Connect the flex pipe to the Retro Connector by slipping it into the 4-3/4" diameter sleeve on the top side of the Connector. Use 3 sheet metal screws to assemble these two parts.
- 6) Push the flex pipe back up into the ceiling support box, center the Retro Connector, and attach it to the support box, or decorative sleeve for double wall solid packed pipe, with the sheet metal screws (supplied). The holes in the Retro Connector are pre-punched. Diagram 5.

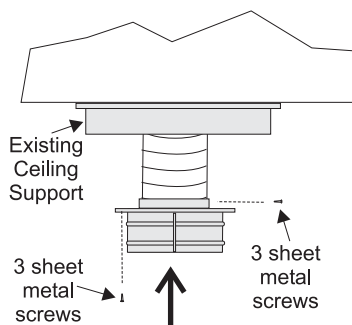


Diagram 5

- 7) The connection between the appliance and the Retro Connector may be completed with sections of black direct vent pipe, together with an adjustable length.

## Converting a Masonry Chimney

**Important: The existing masonry flue opening needs to have an area of at least a 36 sq. in. to insure proper intake/exhaust flow.**

- 1) Before cutting any holes, assemble the desired sections of black direct vent pipe to determine the center of the masonry penetration.

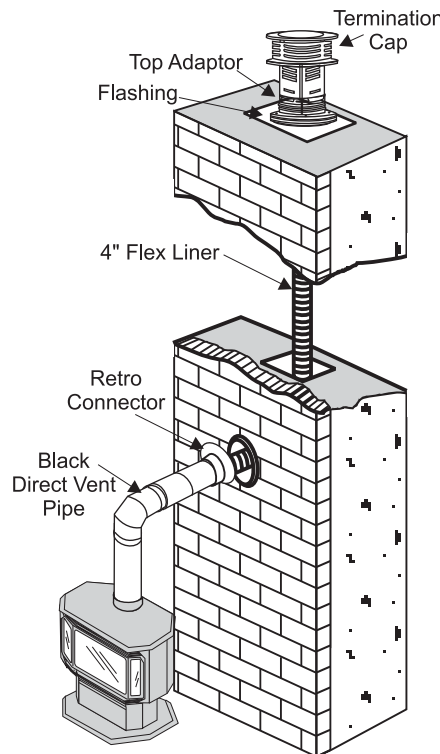


Diagram 6

- 2) Once the center point of the penetration has been determined, cut a 6" (152mm) dia. hole in the masonry. Be careful, if the hole is too large, the Retro Connector might not mount properly, and if the hole is too small, then the appliance might starve for intake air. If there is a frame wall in front of the masonry wall, cut and frame a 10" (254mm) clear square opening in the wall (centered around the 6" (152mm) masonry opening). IF there is sheet rock only (no studs) in front of the masonry, the 10" (254mm) clear opening is still needed, but does not need to be framed. This allows the Retro Connector to mount directly on the masonry and provide clearance to the combustibles. Diagram 11.
- 3) Secure the Flashing to the top of the masonry chimney using a bead of non-hardening sealant-adhesive. If the Flashing is larger than the top of the chimney, then cut and fold flashing as needed to fit chimney. Diagram 7.

Cut and bend Flashing as needed to fit chimney

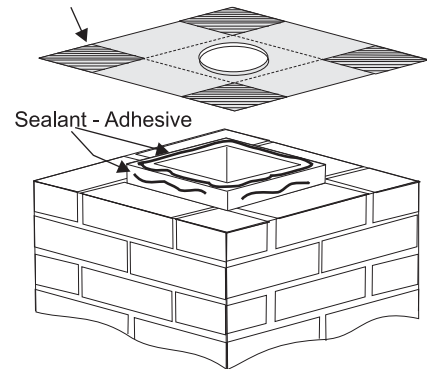


Diagram 7

- 4) To determine the length of flex required, measure from 3" (76mm) above the top of the Flashing down to the level of the opening. Add to this measurement the distance from the center of the chimney to out through the wall. Cut a piece of 4" flex to this length (the flex should already be extended to its nominal length).
- 5) Connect the 4" flex liner to the Top Adaptor using 3 sheet metal screws. Diagram 2.
- 6) Feed the 4" flex liner through the Flashing into the chimney. Continue to feed the liner out through the opening in the masonry wall.
- 7) Secure the Top Adaptor to the Flashing. Use 3 sheet metal screws through the side of the adaptor into the flange on the Flashing (diagram 8). Twist lock the Termination Cap on to the Top Adaptor.

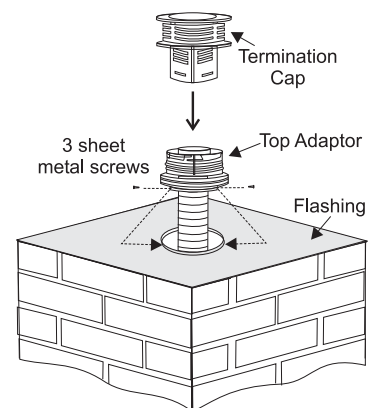


Diagram 8

- 8) Attach the flex to the Retro Connector. Use 3 sheet metal screws to attach the flex liner to the Connector. Diagram 9. Mount the Retro Connector to the masonry wall using masonry bolts. Re-drill larger holes on connector as needed. Be careful to insure that the connector is centered in the opening and the mounting holes line up with the masonry wall.



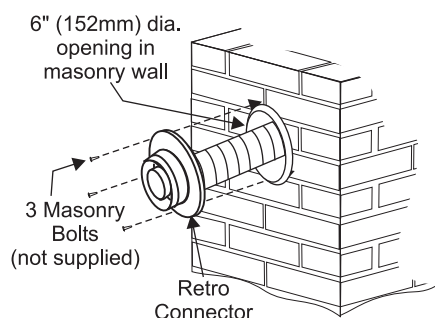


Diagram 9

- 9) Slide the Wall Thimble Cover over the Retro Connector and secure with masonry bolts. Diagram 10. If you have a framed wall in front of the masonry, use wood screws to mount the Wall Thimble Cover to the framed wall, over the Retro Connector and the 10" (254mm) square framed opening. Diagram 11. If needed, add a section of direct vent pipe to the Retro Connector in order to extend through the opening in the Wall Thimble Cover.

- 10) The connection between the appliance and

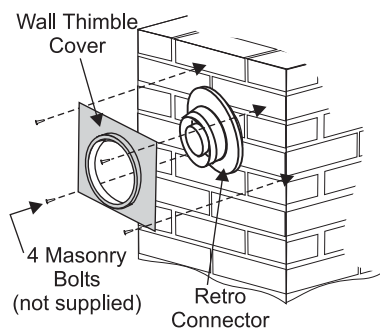


Diagram 10

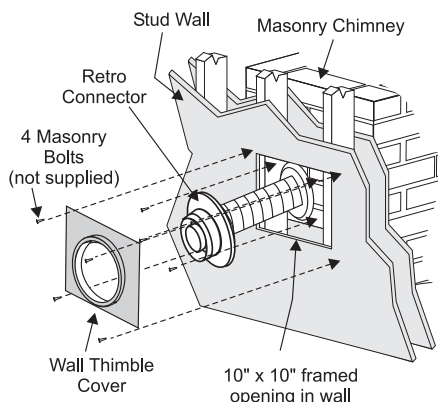


Diagram 11

the Retro Connector may be completed with a section of black direct vent pipe, together with an adjustable length pipe section.

System Data U39 with 40,000 BTU		
U39-NG1: For 0 to 2000 feet altitude U39-LP1: For 0 to 4500 feet altitude		
Burner Inlet Orifice Sizes:		
	Natural Gas	Propane
Burner	#32	#50
Max. Input - Natural Gas/Propane 38,000 Btu/h		
Min. Input - Natural Gas/Propane 20,000 Btu/h		
Supply Pressure		
	Natural Gas	min. 5" w.c.
	Propane	min. 12" w.c.
Manifold Pressure		
	Natural Gas	3.8" +/- 0.2" w.c.
	Propane	11" +/- 0.2" w.c.
Electrical: 120 V. 1.13A 60Hz. Circulation: Variable speed fan, 125/75 CFM. Log Set: Ceramic fiber, 7 per set.		
System Data: HIGH ELEVATION - U39-NG1		
For 2,000 - 4,500 feet altitude		
Burner Inlet Orifice Sizes:		
	Natural Gas	Burner #33
Max. Input Rating 36,100 Btu/h Min. Input Rating 19,000 Btu/h		
System Data U39 Converted to 30,000 Btu		
For 0 to 4500 feet altitude		
Burner Inlet Orifice Sizes:		
	Natural Gas	Propane
Burner	#37	#52
Max. Input - Natural Gas/Propane 30,000 Btu/h		
Min. Input - Natural Gas/Propane 15,000 Btu/h		
Supply Pressure		
	Natural Gas	min. 5" w.c.
	Propane	min. 12" w.c.
Manifold Pressure		
	Natural Gas	3.8" +/- 0.2" w.c.
	Propane	11" +/- 0.2" w.c.
Electrical: 120 V. 1.13A 60Hz. Circulation: Variable speed fan, 125/75 CFM. Log Set: Ceramic fiber, 7 per set.		

## GAS CONNECTION

The gas connection is a 3/8" NPT 90° elbow. The gas line can be rigid pipe or to make installation easier, use a listed flexible connector and/or copper tubing if allowed by local codes. Since some municipalities have additional local codes it is always best to consult with your local authorities and the CAN/CGA B149 installation codes.

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 burner and/or valve 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.**

**Note:** Prior to any pressure testing of the gas supply piping system that exceeds test pressures of 1/2 psig, this appliance must be disconnected from the piping system. If test pressures equal to or less than 1/2 psig are used then this appliance must be isolated from the piping system by closing its individual manual shut-off valve during the testing.

## HIGH ELEVATION

This unit (at 38,000 Btu/h) is approved in Canada for altitude 2000 ft. to 4500 ft. (CAN/CGA-2.17-M91) with the orifice kit Part # 621-975. For Natural Gas installations above 4500 ft. follow current CAN/CGA-B149.1.

In U.S.A., for installations above 2000 ft. refer to current ANSI Z223.1 Sc8-8.1.2a appendix F, for resizing orifice.

## CONVERSION KIT# 731-969 FROM NG TO LP

**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	904-529	5/32" Allen Key
1	904-641	Burner Orifice #50
1	918-590	Label "Converted to LPG"
1	908-528	Red "LPG" label
1	910-037	LPG Injector (Pilot Orifice)
1	918-485	Instruction Sheet

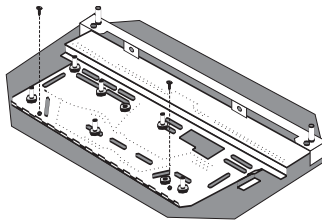
### DC Sparker Kit Contains:

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 Energizer En91
2	910-199	Clip Wire Holder
1	910-903	Wire Fan To Power Cord, Ground 30 in.
	904-781	Velcro Hook, Black
	904-782	Velcro Hook, Black

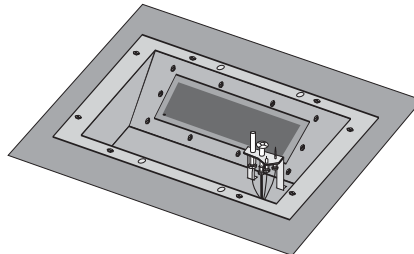
### Installation of LPG Conversion Kit:

- 1) Shut off the gas supply.
- 2) Open the front door and carefully remove the logs and lava rock.

- 3) Remove burner. See diagram below.

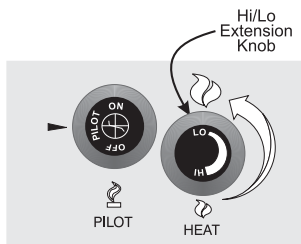


*Note: Use a magnetic type screwdriver if possible.*



*Pilot assembly is now accessible for steps 4) to 10).*

- 4) Open pedestal door and remove the gold chain from door which will allow door to fall.
- 5) Remove lighting panel by removing the 6 Phillips head screws and put to the side.
- 6) Remove hi-low extension knob.
- 7) Turn control knob to the "OFF" position.
- 8) Pull off the Hi/Lo gas extension knob to access the orifice.



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



Fig. 1

- 10) 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.

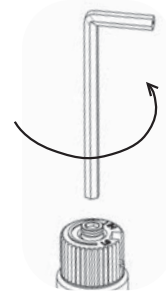


Fig. 2

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

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

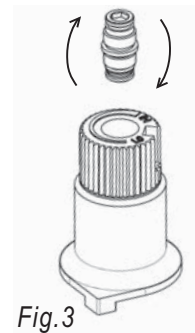


Fig. 3

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

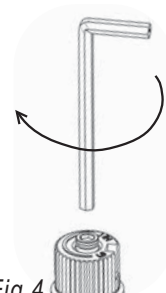
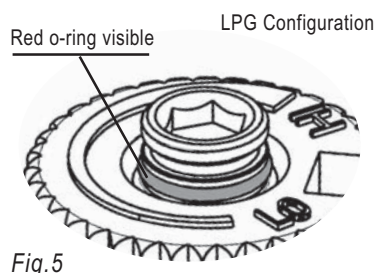


Fig. 4

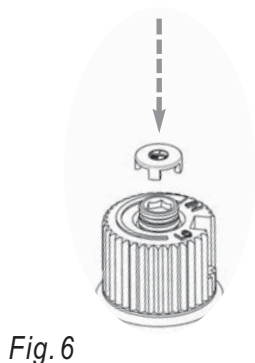


**WARNING!**  
Do not over tighten the screw.  
Recommended to grip the  
wrench by the short side.

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

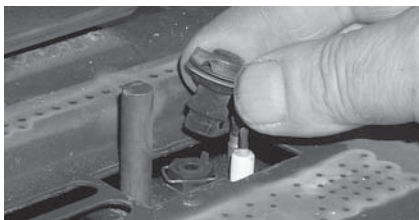


- 15) Re-assemble the black protection cap (Fig. 6).

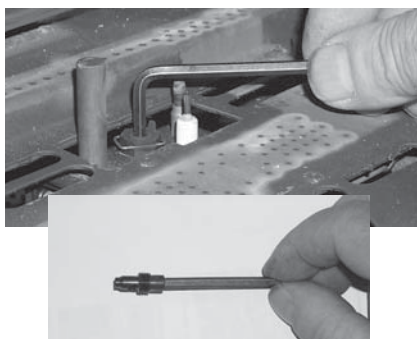


**WARNING!**  
Also check that the pilot  
and main burner injectors are  
appropriate for the gas type.

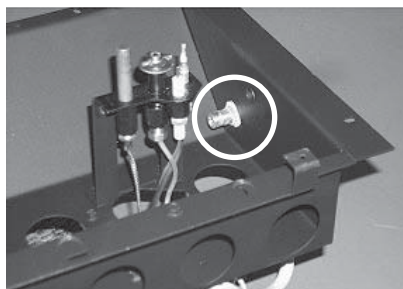
- 16) Pull off the pilot cap to expose the pilot orifice.



- 17) Unscrew the pilot orifice with the allen key and replace with the LPG pilot orifice in the kit.



- 18) Remove burner orifice with a 1/2" wrench while using a 9/16" wrench to hold onto the elbow behind the orifice, then discard the orifice.



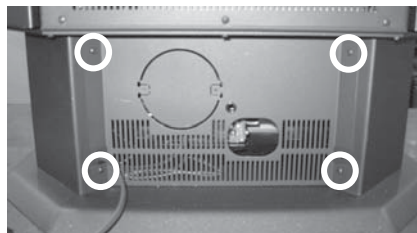
Burner Orifice

- 19) Reinstall new burner orifice LPG stamped #50 and tighten.  
20) Reverse steps 3) to 2).  
21) Attach the label "This unit has been converted to LPG" near or on top of the Serial # decal.  
22) Replace yellow "NG" label with red "LPG" label.

## ONLY REQUIRED FOR THE U38

### Installation of the DC Sparker:

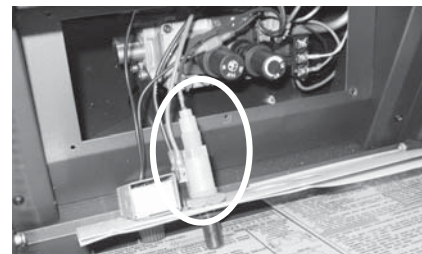
- 1) Remove the back pedestal cover by unscrewing the 4 screws.



- 2) Remove the front control panel by unscrewing the 6 screws.



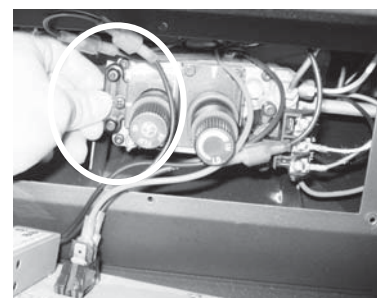
- 3) Unplug the Piezo Ignitor wire and remove Piezo Ignitor from the control panel.



- 4) Plug up the Piezo Ignitor mounting hole with the plastic plug.

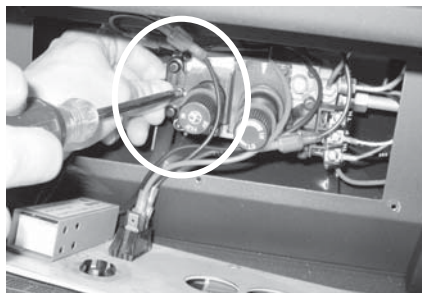


- 5) Connect the DC spark generator wires to the SIT Valve with the screw, which is provided in the kit.



# INSTALLATION

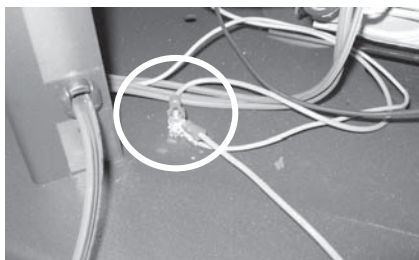
- 6) Secure with screw.



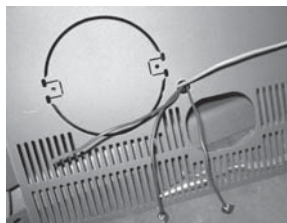
- 7) Reversing step 2 and secure the control panel back onto the stove pedestal with the screws.



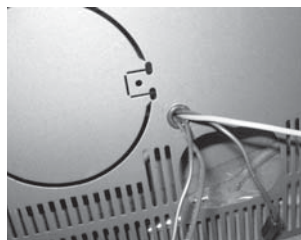
- 8) Attach one end of the green ground wire to the grounding stud on the inside of the pedestal.



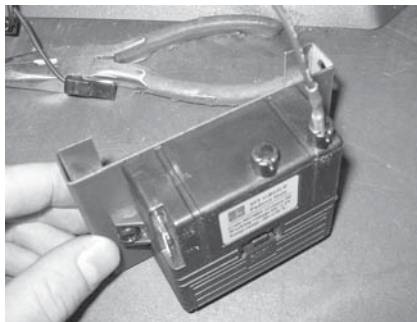
- 9) The Ground Wire, DC Sparker Ignition Wire and Piezo Spark Wire all go through the hole located on the pedestal back cover.



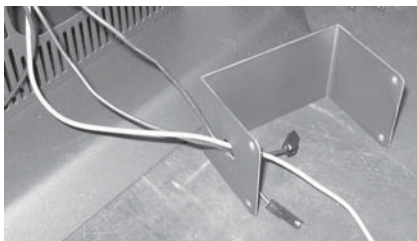
- 10) Put on the plastic split bushing.



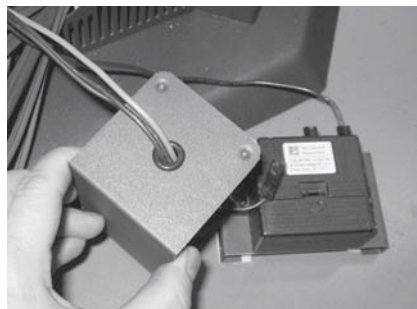
- 11) Attach the Piezo Ignition Wire to the back of the DC Sparker box.



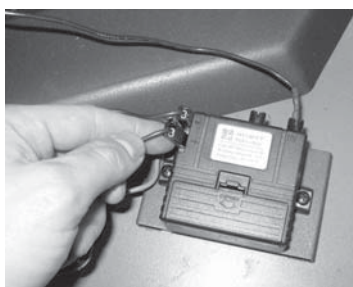
- 12) The ground wire and DC Sparker ignition go through the hole on the heat shield.



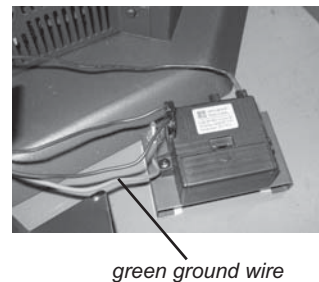
- 13) Apply the plastic bushing to the heat shield hole.



- 14) Connect the DC Sparker Ignition Wire to the DC Sparker.

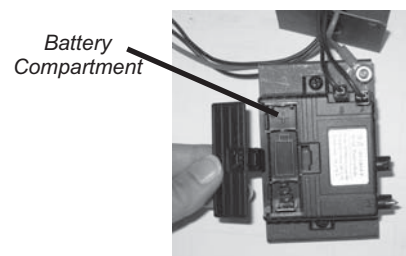


- 15) Attach the green ground wire.

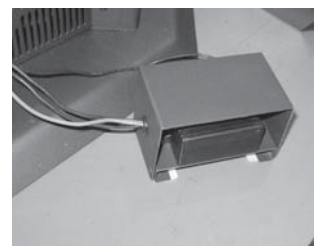


- 16) Install the supplied battery into the DC Sparker Box by opening the battery compartment.

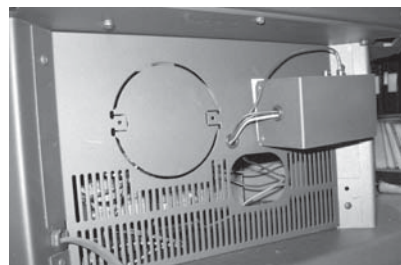
**NOTE:** The battery in the DC Sparker Box will need to be replaced annually.



- 17) Place the heat shield over the DC Sparker.



- 18) We recommend mounting the DC Sparker box onto the pedestal back cover.



- 19) Check for gas leaks.

- 20) Check inlet and outlet pressures.

- 21) Check operation of flame control.

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

## CONVERSION TO LOWER BTU RATING

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

### Natural Gas Conversion Kit 730-920

#### Contains:

Qty.	Part #	Description
1	904-240	Burner Orifice #37 (Natural Gas)
1	918-034	Decal "Converted to 30,000 Btu"
1	918-033	Instruction Sheet

### Propane Conversion Kit 730-922

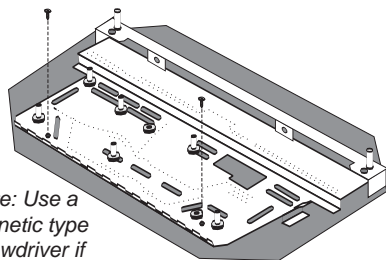
#### Contains:

Qty.	Part #	Description
1	904-390	Burner Orifice #52 (Propane)
1	918-034	Decal "Converted to 30,000 Btu"
1	918-033	Instruction Sheet

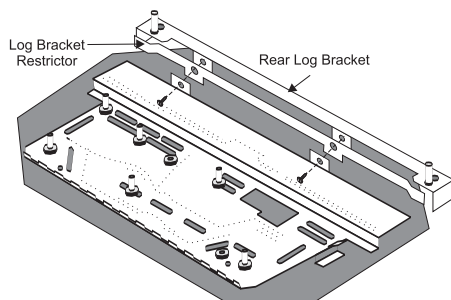
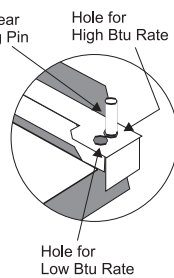
### Additional Piece (pkg. with unit):

- 1 Log Bracket Restrictor

- 1) Shut off the gas supply.
- 2) Open the front door. Carefully remove the logs and lava rock.
- 3) Remove burner. See diagram below.

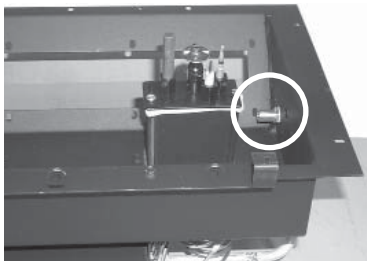


- 4) Unscrew the 2 Rear Log Pins and move to the front hole position.
- 5) Remove Rear Log Bracket and slide the Log Bracket Restrictor between the Rear Log Bracket and the burner, secure with the 2 screws.



Position the Log Bracket Restrictor between the Rear Log Bracket and the burner.

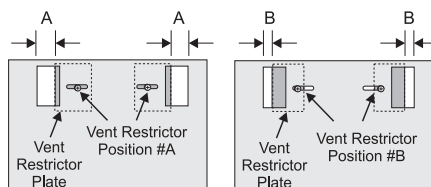
- 6) Remove burner orifice with a 1/2" wrench and discard.



Burner Orifice

- 7) Reinstall new burner orifice (NG stamped #37 or LP stamped #52) and tighten.
- 8) Reverse steps 3) and 2).
- 9) Adjust Vent restrictor setting: To set the Vent restriction as indicated in the diagram, simply loosen the screws and push the vent restrictor plate to the correct position. Tighten the screws.

Unit	Btu/h	Restrictor Opening
U39	38,000	A 1-3/4" (44mm)
	30,000	B 1-1/4" (32mm)



Vent Restrictor setting at High Btu/h

Vent Restrictor setting at Low Btu/h

- 10) Attach the label "This unit has been converted to..." on top of the Serial # decal over the higher Btu information.
- 11) Check for gas leaks.
- 12) Check inlet and outlet pressures.
- 13) Check operation of flame control. Check for proper flame appearance and glow on logs.

## 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.

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

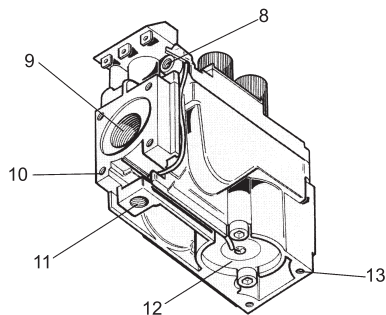
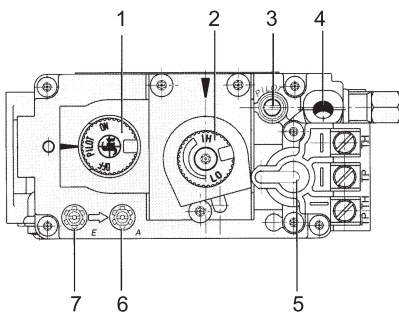
**Note:** To properly check gas pressure, both inlet and manifold pressures should be checked using the valve pressure ports on the valve.

- 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. Read manometer.
- 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**



## Valve Description

- 1) Gas on/off knob
- 2) Manual high/low adjustment
- 3) Pilot Adjustment
- 4) Thermocouple Connection
- 5) Main Operator
- 6) Outlet Pressure Tap (Manifold Pressure)
- 7) Inlet Pressure Tap (Supply Pressure)
- 8) Pilot Outlet
- 9) Main Gas Outlet
- 10) Flange Securing Screw Holes
- 11) Alternative TC Connection Point
- 12) Thermoelectric Unit
- 13) Additional Valve Mounting Hole



## AERATION ADJUSTMENT

The burner aeration is factory set but may need adjusting due to either the local gas supply or altitude.

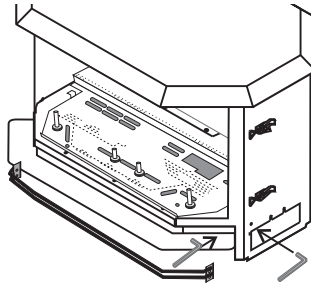
### U39 with 38,000 Btu/h

U39-NG1	Natural Gas:	1/4" open
U39-LP1	Propane:	1/2" open

### U39 with 30,000 Btu/h

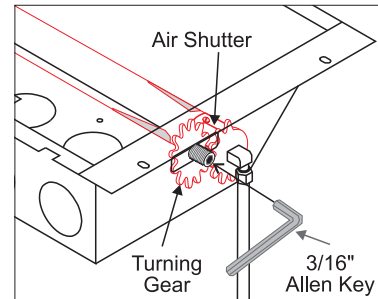
U39-NG1	Natural Gas	3/16" open
U39-LP1	Propane	3/8" open

The aeration adjustment gears are located on the right side of the burner box and can be accessed from the side or from the front when the louvers are removed.



To adjust the aeration: use the allen key to turn the turning gear which will adjust the air shutter. Open the air shutter for a blue flame or close it for a yellower flame.

**Closed - Tall yellow flame**  
**Open - Short blue flame**



Clockwise to open,  
counter-clockwise to close.

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

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

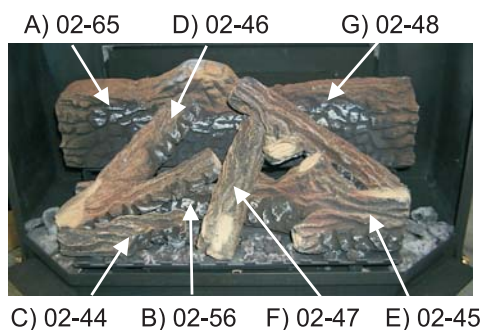
**Note:** Aeration Adjustment should only be performed by an authorized Regency® Installer at the time of installation or service.

## 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 contains the following:

- a) 02-65 Rear Log
- b) 02-56 Middle Left Log
- c) 02-44 Front Left Log
- d) 02-46 Left Top Log
- e) 02-45 Front Right Log
- f) 02-47 Center Log
- g) 02-48 Middle Right Log
- h) 902-151 Embers
- i) 902-154 Lava
- j) 946-669 Platinum Embers  
(supplied w/packaged manual)

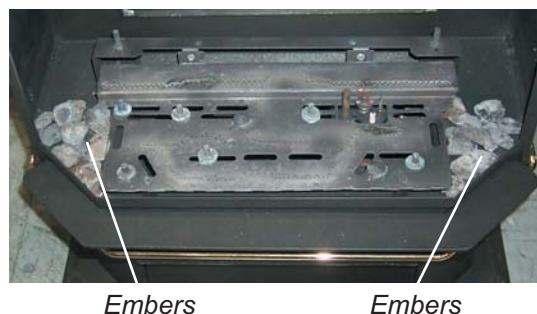


*The "02" refer numbers (i.e. 02-65) are molded into the rear of each log.*

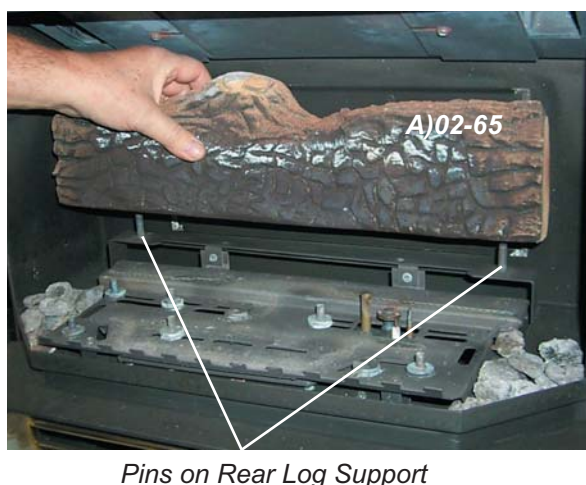
**Note: Install Optional Brick Panels prior to installing logs.**

- 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 embers on the left and right sides of the firebox base.



- 3) Place Rear Log A)02-65 on the two pins on the rear log support.

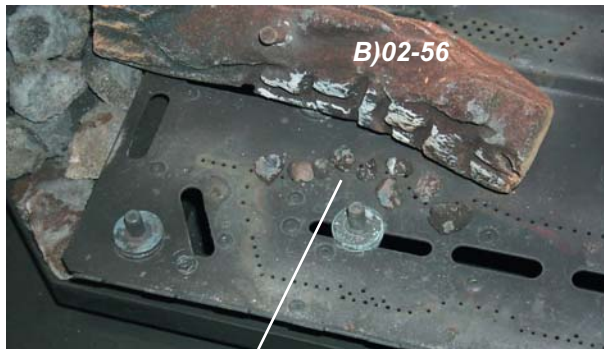


- 4) Place the Middle Left Log B)02-56 on the two pins as shown.



## INSTALLATION

- 5) Sprinkle some lava rock just in front of B) 02-56 on the burner holes.



Lava Rock

- 6) Place Front Left Log C)02-44 onto the 2 front pins as shown.



- 7) Place the Left Top Log D)02-46 on the pin on Log B)02-56 and on top of the cutout on Log A)02-65.



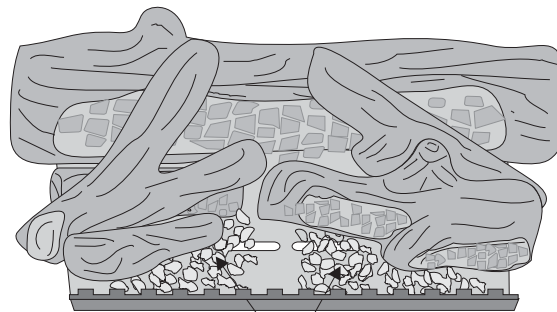
Pin

Cutout

- 8) Place Front Right Log E)02-45 on the two pins as shown.



- 9) Place the lava rock in the area between the left and right logs, leaving a space in the middle for log (F) 02-47.

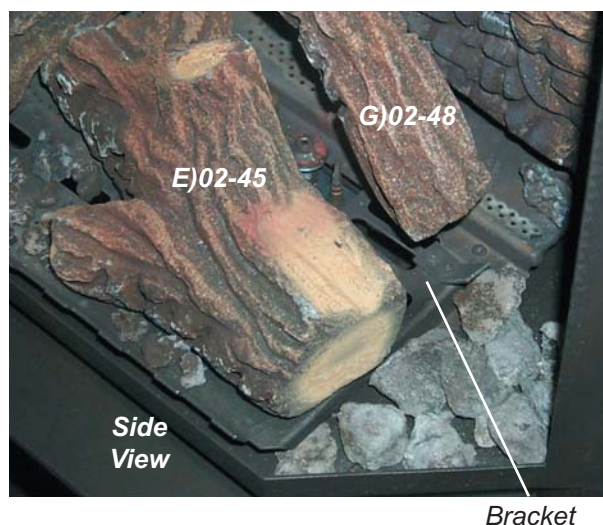
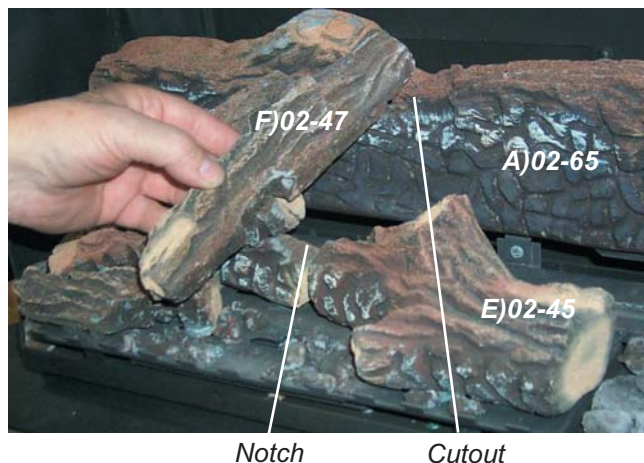


lava rocks

- 10) Separate platinum embers and place around the lava rock on the burner. Avoid stacking platinum embers.

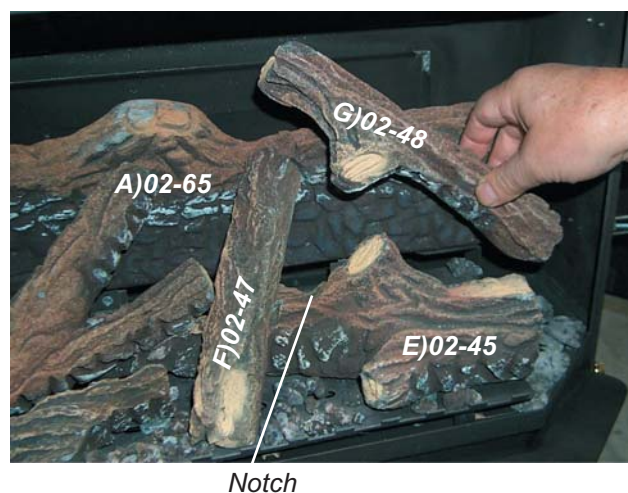


- 11) Place the notch in Center Log F)02-47 over Log E)02-45 and across the cutout on Log A)02-65.



*The bottom right edge of Log G)02-48 must sit snugly against the bracket*

- 12) Position notch in Front Right Log G)02-48 on Log F)02-47 and push the bottom right edge against the bracket on the burner tray.



- 13) 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 port.

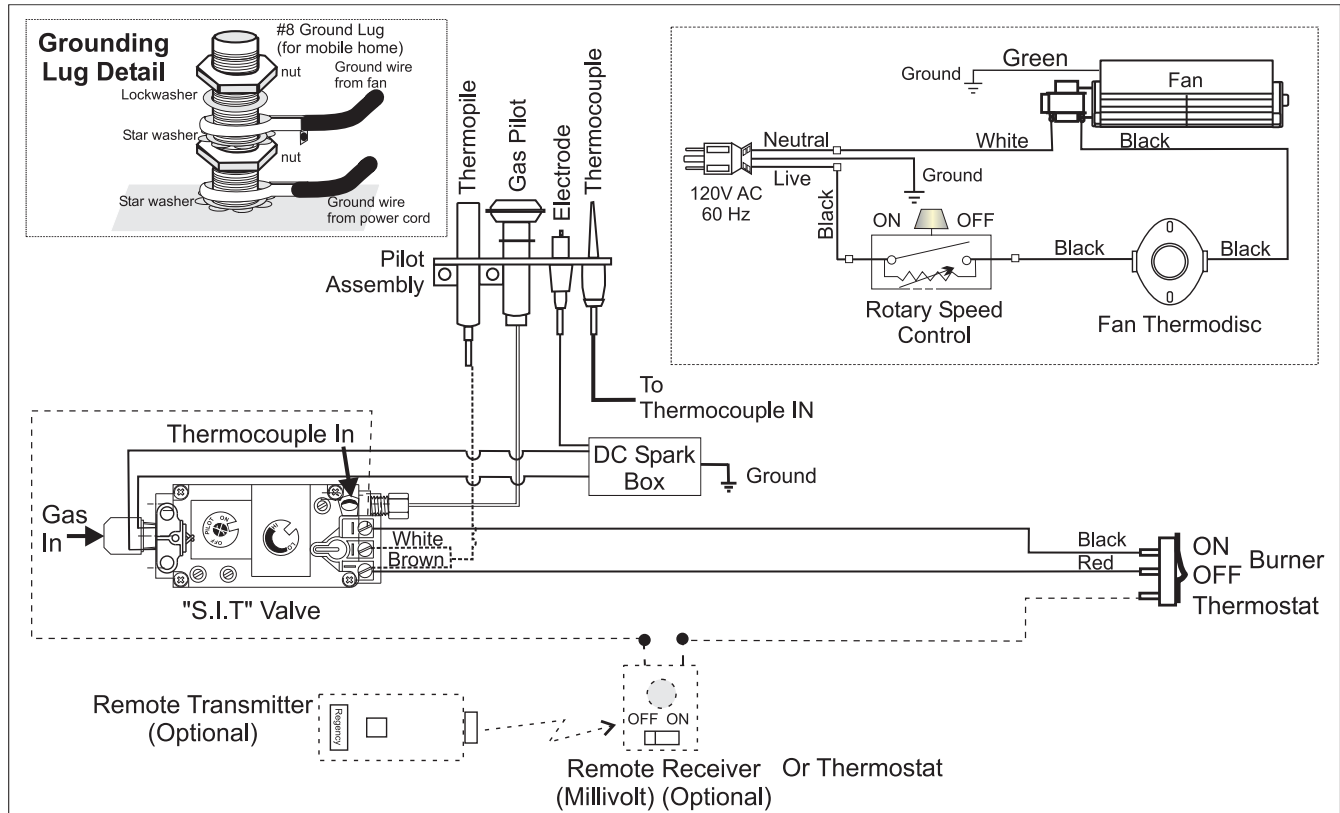


## WIRING DIAGRAM

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. However, a 120V A.C. power supply is needed for the fan/blower operation.

**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 operation.



### WARNING: Electrical Grounding Instructions

This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

## OPTIONAL WALL THERMOSTAT

A wall thermostat may be installed if desired. Connect the wires as per the wiring diagrams. Note that the wires are connected to the "TH" on the gas valve. Use table below to determine the maximum wire length:

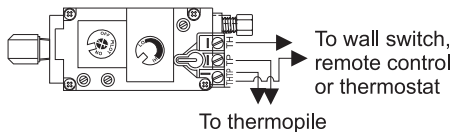
**Note: Preferable if the thermostat is installed on an interior wall.**

Regency® offers an optional programmable 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 the millivolt wall thermostat wires to the 120V wires.

**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.



## OPTIONAL REMOTE CONTROL

Use the Regency® 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 Thermostat Wire Table.
- 2) Connect the wires as per the wiring diagram above.

### CAUTION

**Do not connect the millivolt remote control wires to the 120V wires.**

- 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.

## FINAL CHECK

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly. This includes:

- 1) Clocking the appliance to ensure the correct firing rate (rate noted on label) at 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 min. to stabilize.
- 3) Check for proper draft.

### CAUTION

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

# OPERATING INSTRUCTIONS

## OPERATING INSTRUCTIONS

Before operating this appliance, proceed through the following check list.

- 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 three pieces of door glass are properly positioned. Never operate the appliance with any of the glass removed or with the door open.
- 5) Verify that all venting and the cap is unobstructed.
- 6) Verify log placement. If the pilot cannot be seen when lighting the unit - the logs or the embers have been incorrectly positioned.
- 7) The unit should never be turned off and on without a minimum of a 60 second wait.

## LIGHTING PROCEDURE

### IMPORTANT

**To ignite or reignite the pilot, the door to the firebox must be opened.**

Only when the pilot holds, without pressure being applied to the control knob, should the door to the firebox be closed. The unit **must never** be operated with the glass or door open.

- 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.

## SHUTDOWN INSTRUCTIONS

- 1) Use the Burner ON/OFF switch, thermostat or remote control to turn off the burner.
- 2) Push in the PILOT 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.

## FIRST FIRE

The **FIRST FIRE** in your stove 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 you use it with the fan on. When first operated, the unit will release an odour caused by the curing of the paint and 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 may require cleaning.

### DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS STILL 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.

### 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.

## Copy Of 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: A S5601-2004, 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.

- This appliance has a pilot which must be lighted by hand, following the instructions below exactly.
- BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.  
**WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance.
  - Do not touch any electric switch, do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- 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.
- 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.
- This appliance needs fresh air for safe operation and must be installed so there are provisions adequate combustion + 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.

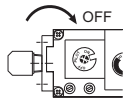
### LIGHTING INSTRUCTIONS

STOP! Read the safety information above on this label.

#### FOR UNITS NOT EQUIPPED WITH ELECTRIC SPARK:

- 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.

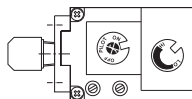
PILOT BURNER  
VEILLEUSE  
THERMOPILE  
ELEMENT  
THERMO-  
ELECTRIQUE



- Wait five (5) minutes to clear out any gas. If you then smell gas STOP! follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
- Turn knob on gas control counterclockwise to "PILOT".
- Push in control knob all the way and hold in. Immediately push 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 3) and 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.
- Turn gas control knob counterclockwise to "ON".
- Use rocker switch to operate main burner.

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

- Push in gas control knob slightly and turn to "PILOT" position.
- 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.
- Push in gas control knob slightly and turn to "ON" position.
- Turn ON the flame switch.



### TO TURN OFF GAS APPLIANCE

- Turn off the flame switch.
- Push in the gas control knob slightly and turn clockwise to "OFF". Do not force.
- Turn off all electric power to the appliance if service is to be performed.

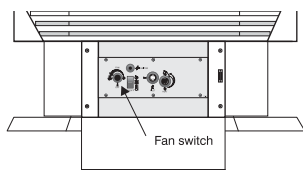
You may shut off the pilot during prolonged non use periods to conserve fuel.

**DO NOT REMOVE THIS INSTRUCTION PLATE**

918-474b

## AUTOMATIC CONVECTION FAN OPERATION

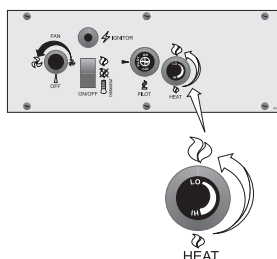
The fan operates automatically - turn the knob on the pedestal control panel to adjust to the desired speed. The fan will turn on as the stove comes up to operating temperature. After the unit has been turned off and cools to below a useful heat output range the fan will shut off automatically.



## Adjusting Flame Height

Your heater has an adjustable flame to tailor the look and heat output to your specific needs. It is adjusted by turning the flame adjustment dial on the gas control valve.

Turn clockwise to adjust the flame higher, counterclockwise for a lower flame.



## 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.

### Blower:

Regency® gas appliances use high tech blowers to push heated air farther into the room. It is not unusual for the fan to make a "whirring" sound when ON. This sound will increase or decrease in volume depending on the speed setting of your fan speed control.

### 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.

### Blower Thermodisc:

When this thermally activated switch turns ON it will create a small "clicking" sound. This is the switch contacts closing and is normal.

### 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 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 glass (never when unit is hot), appliance, louvers, and door with a damp cloth. Never use an abrasive cleaner. The gold louvers (and optional gold door) may be scratched if abrasives are used to clean them.  
The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint (not with wall paint). Regency® uses StoveBright Paint - Metallic Black #6309.
- 3) 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.
- 4) Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.
- 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.  
During the annual service call, the burners should be removed from the burner tray and cleaned. Replace the embers but do not block the pilot.
- 6) Keep the area near the appliance clear and free from combustible materials, gasoline, and other flammable vapours and liquids.

**WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.**

**DONOTUSETHISAPPLIANCEIFANY PART HAS BEEN UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE APPLIANCE AND TO REPLACE ANY PART OF CONTROL SYSTEM AND ANY GAS CONTROL WHICH HAS BEEN UNDER WATER**

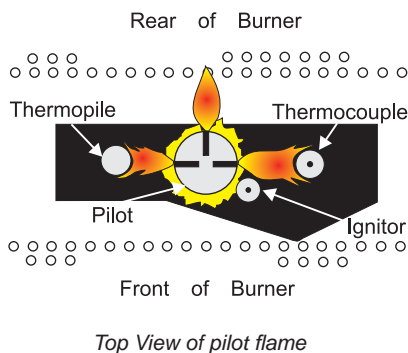
**CAUTION: ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.**

- 7) Each time the appliance is lit, it may cause condensation and fog the glass. This condensation and fog is normal and will disappear in a few minutes as the glass heats up.

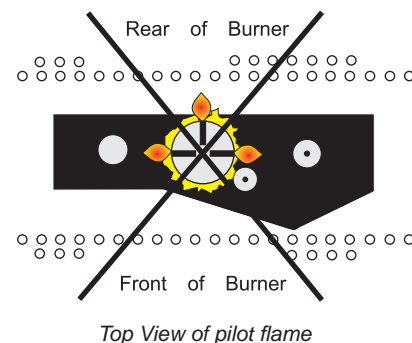
**Never operate the appliance without the glass properly secured in place or with the door open.**

- 8) Periodically check the pilot flames. Correct flame pattern has three strong blue flames: 1 flowing around the thermopile and 1 around the thermocouple, and 1 flowing across the rear of 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 of the burner or thermopile.



## 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 DOORS

The 24 carat gold plated finish on the door 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 door starts to discolour, check the 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 to 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 diagram under Log Installation.

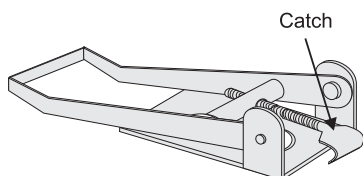
**Note:** Improper positioning of logs may create carbon build-up and will alter the unit's performance which is not covered under warranty.

## DOOR GASKET

If the door gasket requires replacement use 7/8" diameter oval door gasket (Part # 650-920).

## LATCH ADJUSTMENT

The door latch may require adjustment as the door gasket material compresses after a few fires and after glass replacement. Turn the adjustable catch to tighten or loosen the latch.



## GLASS REPLACEMENT

Your ULTIMATE stove is supplied with high temperature, 5 mm Neoceram ceramic glass that will withstand the highest heat that your unit will produce. In the event that you break your glass by impact, purchase your replacement door from an authorized Regency® dealer only, and follow our step-by-step instructions for replacement. The glass is not sold separately, as it must be properly sealed in the door frame.

### Replacement Part #

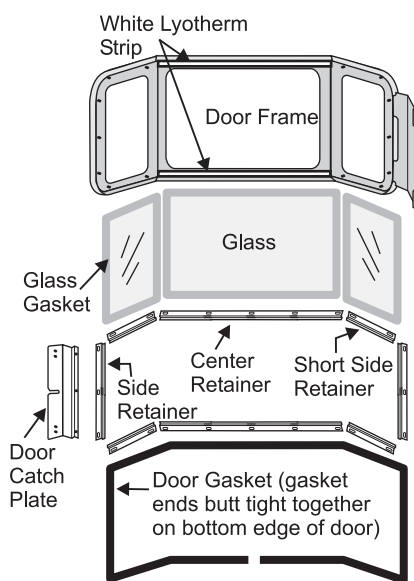
940-325/P U39 Wraparound Glass  
940-322/P U39 Panel Center Glass  
940-323/P U39 Panel Side Glass

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

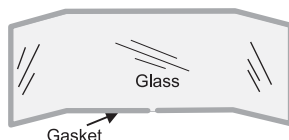
**Note:** Wearing gloves will protect your hands while handling glass.

### Panel Glass Replacement

- 1) Remove the door from the unit and place on a soft surface to prevent scratching.
- 2) Pull out the door gasket.
- 3) Remove the nuts holding the glass retainers in place.
- 4) Remove the glass retainers (sides, top and bottom) and the door catch plate.
- 5) Replace the glass. **The glass must have gasketing around it.**
- 6) Reverse the previous steps, replace the retainers and fasten with the nuts but do not overtighten, as this can break the glass. **Note:** the door catch plate fits on top of the left side retainer.
- 7) Put gasket glue on the retainers, but do not put glue on the screws. Replace the door gasket, the two ends butt tight together on the bottom edge of the door.
- 8) Replace door on the stove and check the seal.



Panel Glass Door Assembly



Wraparound Assembly Door  
(same glass retainers as the Panel Assembly)

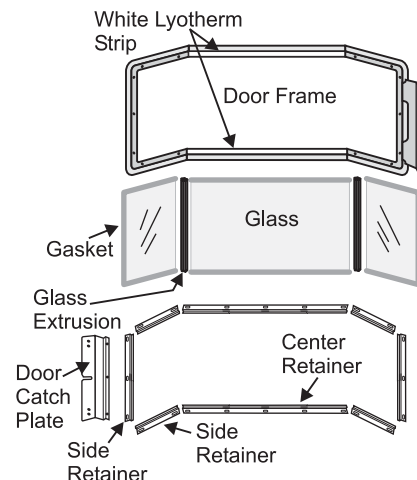
### Mitred Glass Replacement

#### Removing Glass

- 1) Remove the door from the unit and place on a soft surface to prevent scratching.
- 2) Pull out the door gasket.
- 3) Remove the 24 nuts holding the glass retainers in place. *Do not remove the nuts underneath the retainers.*
- 4) Remove the door catch plate.
- 5) Remove glass retainers on sides first (3 each side) then remove two center retainers.

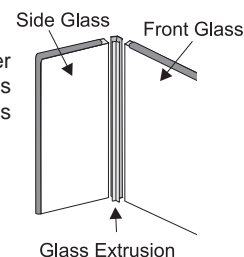
**Note:** Center glass retainers are glued to center glass.

- 6) Remove glass from extrusions. When removing center glass, leave white insulation in place.



#### Installing Glass

- 1) Install both center and side glass onto extrusions as per diagram.



- 2) Place glass assembly into door frame.
- 3) Install retainers by placing 1 drop of glue where previously glued and put in place.
- 4) Install side retainers.
- 5) Install door catch plate.
- 6) Install the 24 nuts loosely, do not tighten yet.

## MAINTENANCE

- 7) Tighten side panels nuts using the following procedure:
  - a. tighten top & bottom outside corner nuts (2)
  - b. tighten inside nuts (3)
  - c. tighten top & bottom inside corners (2)
- 8) Tighten the 10 nuts on center glass retainer.
- 9) Repeat step 7 for other side panel.
- 10) Replace new gasket by gluing it in place.
- 11) Install door onto stove and check the seal.

## FAN MAINTENANCE

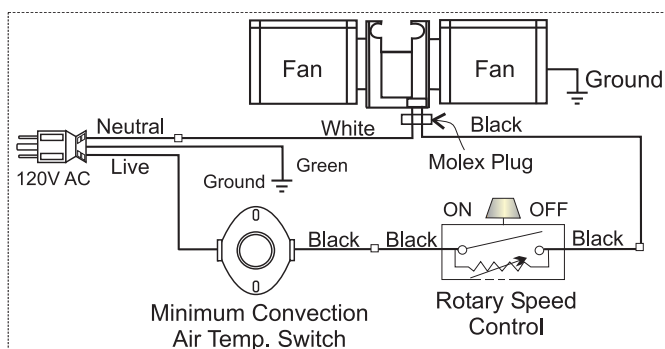
If your fan requires maintenance or replacement, access to the fan is through the plate on the rear wall of the firebox. **NOTE: the unit MUST NOT be operated without the fan access panel securely in place and correctly sealed.**

**IMPORTANT:** These fans collect a lot of dust from within your home. Ensure you maintain these fan motors on a regular basis by vacuuming out the fan squirrel cages, around the motor, and around the grills on the back of the stove.

**IMPORTANT**  
Disconnect power supply  
before servicing

### WARNING: Electrical Grounding Instructions

This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

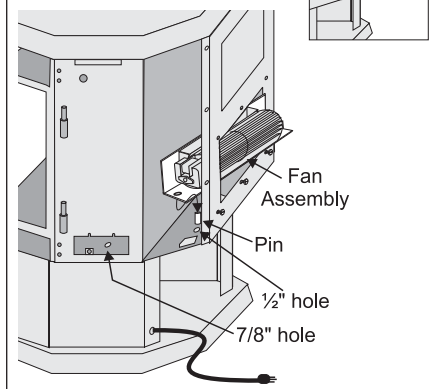


### To Remove U39 Fan:

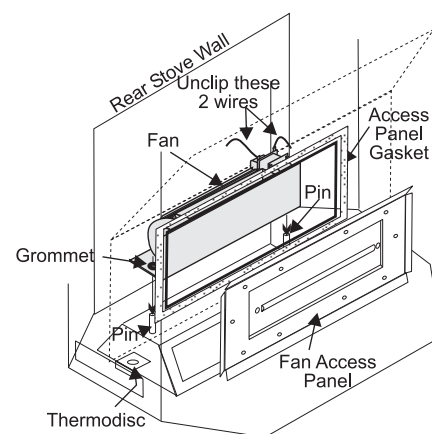
- 1) Unplug or disconnect power source to stove.
- 2) Remove all logs and the rear log support, then remove the 10 screws holding the access panel in place.
- 3) Unclip the black and white wires from the fan motor.
- 4) Open both side doors and gently pull the flex pipe away from the center, otherwise the fan can catch on the flex pipe during installation and tear the pipe. Do not tear or damage the flex pipe.

### Alternate Fan Access:

If the rear access cover is accessible, it can be removed to provide access to the fan.



- 5) Lift fan off of the 2 pins, tip back and pull through firebox opening. Disconnect the green ground wire from the right side of the fan as soon as you can reach it.



### Replacing U39 Fan:

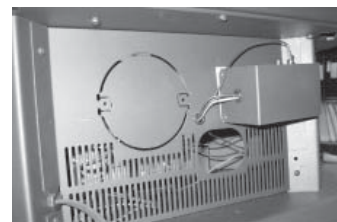
Reverse the above steps (1 - 5). If necessary install a new gasket before replacing the fan access panel. Make sure the fan wires and the ground wire are reattached.

*Hint for pushing fan down onto pins - rub a bit of dish soap on the grommet so it will slide more easily onto the pin. Check to make sure the fan is seated properly on the pins - try to move the fan back and forth, there should be no noise, if there is check that the grommets haven't come loose.*

## DC SPARKER BATTERY REPLACEMENT

The battery in the DC Spark box needs to be replaced annually.

- 1) Remove the DC Spark box from the back of the pedestal cover by removing the heat shield.



- 2) Remove the Heat Shield from the DC Spark Box.
- 3) Place 1 AA battery into the DC Spark Box by opening the battery compartment.



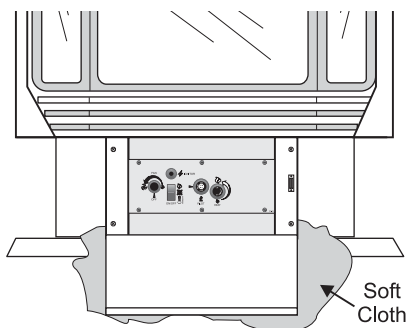
- 4) Reverse steps to put back in place.

## REMOVING VALVE

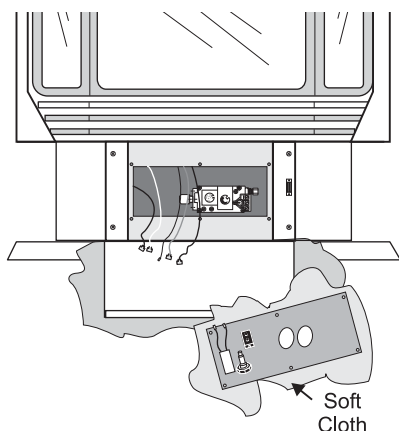
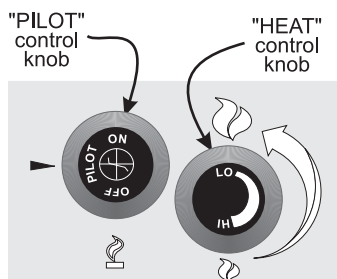
If your valve requires maintenance or replacement, use the following instructions:

**Note:** Always close off the gas supply before removing the valve.

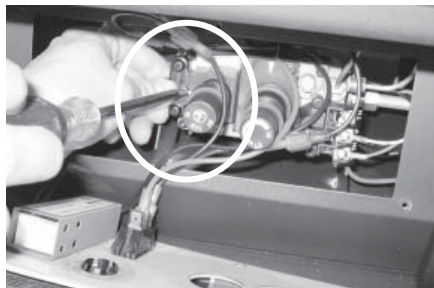
- 1) Open front pedestal door. You may want to put a soft cloth on the base of the unit so that when the pedestal door is open it doesn't scratch the paint.



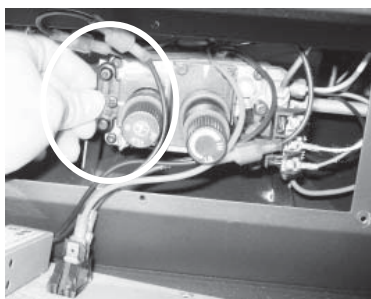
- 2) Undo the six screws holding the control panel in place.
- 3) Disconnect all wires from the back of the panel and then remove panel. You should lay the panel on a soft cloth so it doesn't get marked up. See diagram below.



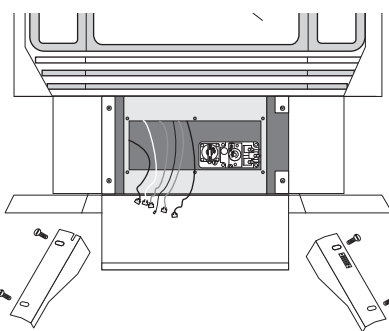
- 4) Remove the screw that holds the DC spark generator wires in place on the valve.



- 5) Disconnect the DC spark generator wires from the valve.



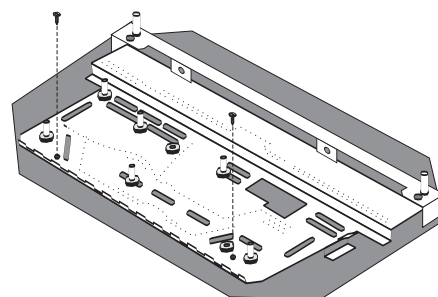
- 6) Remove the two outside frame pieces by removing two screws per side. See diagram below.



- 7) At this point you should disconnect the gas at the valve. You can access it through the front now that the control panel is off, or you can access it through the rear pedestal cover plate.

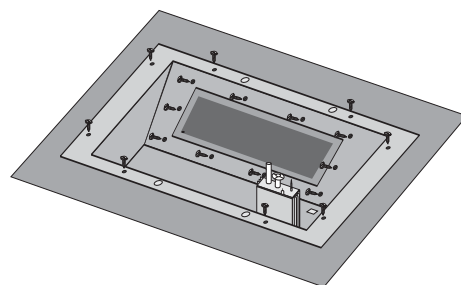
- 8) Carefully remove the logs and lava rock.

- 9) Remove burner.



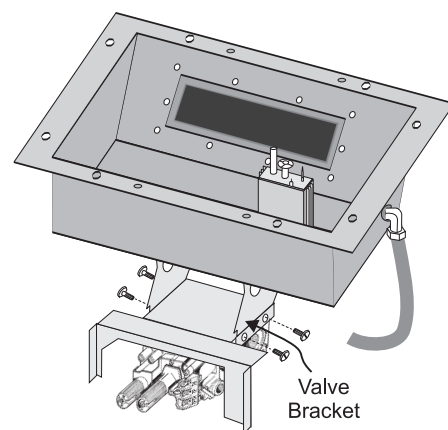
**Note:** Use a magnetic type screwdriver if possible.

- 10) Remove all 18 screws holding the burner tray assembly in place.



- 11) Carefully lift the burner tray assembly out.

- 12) To replace the burner tray assembly, simply reverse these instructions.



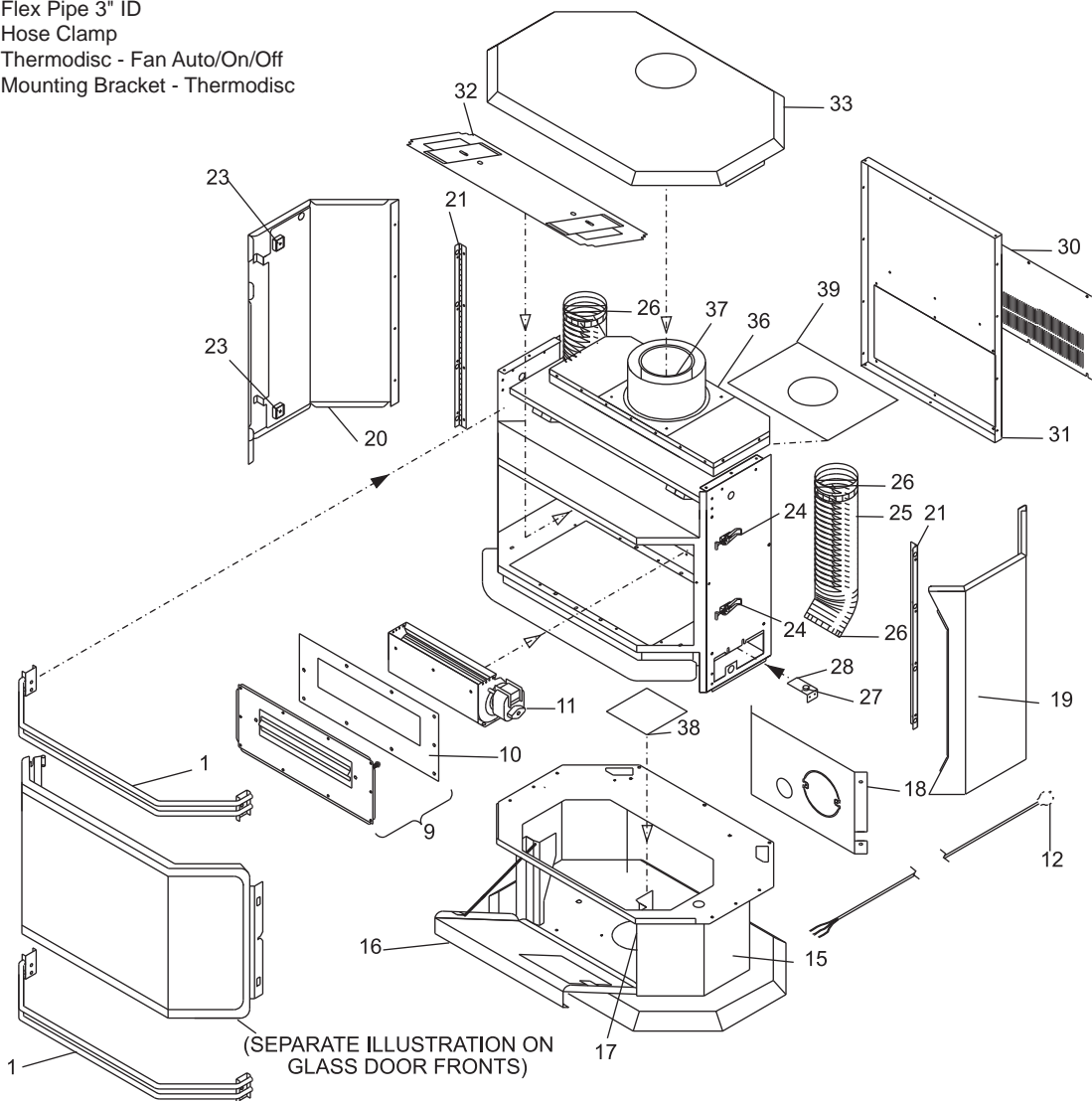
Burner tray assembly, after being removed from the stove



## MAIN ASSEMBLY

Part #	Description	Part #	Description
1)	560-920 Louver Assy - Gold	30)	630-021 Fan Access Panel
	560-921 Louver Assy - Brush Nickel	31)	730-019 Rear Panel
	560-922 Louver Assy - Black	32)	730-565 Firebox Baffle/Restrictor Assy
9)	730-560 Relief Door Assembly	33)	630-520 False Top Assembly
10)	730-034 Mounting Plate Gasket	36)	936-194 Gasket-Starter Collar/Air Passage
11)	730-517/P Fan Assembly	37)	* Gasket-Flue Collar/Starter Collar
	910-331/P Fan Motor (120 Volt)	38)	820-058 Pedestal Base Cover
12)	910-794 Power Cord (120 Volt)	39)	* Gasket - Air Passage
15)	* Pedestal Assembly		
16)	730-039 Pedestal Door	910-073	Spark Generator Battery Holder
17)	904-257 Pedestal Door Magnet	910-074	Spark Generator Switch c/w Wire
18)	560-025 Pedestal Back		
19)	730-530 Short Side Panel Door Assy (Right Side)	948-216	Logo Plate
20)	730-525 Short Side Panel Door Assy (Left Side)	918-531	Manual
21)	560-031 Hinge for Side Panel		
23)	904-258 Side Panel Door Magnet		
24)	948-255 Door Latch c/w Hook		
25)	* Flex Pipe 3" ID		
26)	* Hose Clamp		
27)	910-233 Thermodisc - Fan Auto/On/Off		
28)	* Mounting Bracket - Thermodisc		

\*Not available as a replacement part.



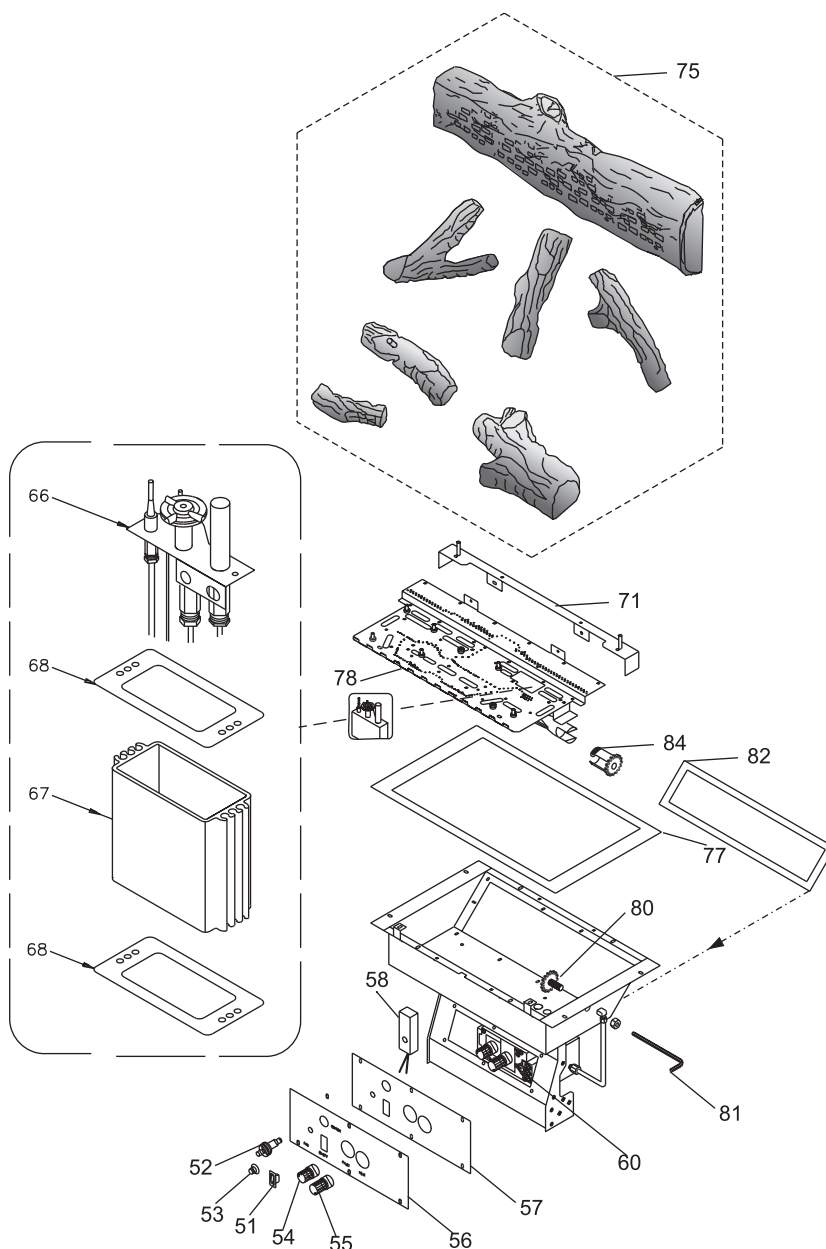


## BURNER &amp; LOG ASSEMBLY

## Part # Description

51)	910-241	Burner ON/OFF Switch (3-way)
52)	910-190	Piezo Ignitor & Nut
53)	904-586	Knob for Fan Speed Control
54)	910-373	Knob - Pilot Valve Extension
55)	910-372	Flame Adjusting Knob
56)	908-646	Control Panel Decal
57)	650-220	Control Panel Plate
58)	910-330	Fan Speed Control (120 V)
	730-574/P	Valve Assembly - Natural Gas
	730-576/P	Valve Assembly - Propane
60)	910-478	Valve S.I.T. - NG/LP
66)	910-038	Pilot Assy - S.I.T. - 3 Flame NG
	910-039	Pilot Assy - S.I.T. - 3 Flame LP
	904-240	#37 Orifice - N.G. at 30,000 Btu/h
	904-688	#32 Orifice - N.G. at 38,000 Btu/h
	904-390	#52 Orifice - Propane at 30,000 Btu/h
	904-641	#50 Orifice - Propane at 38,000 Btu/h
	936-170	Orifice Gasket
67)	*	Pilot Holder
68)	W840470	Pilot Assembly Gasket
71)	730-528	Rear Log Bracket
75)	730-935	Log Set
77)	630-008	Gasket - Burner Tray/Firebox
78)	730-550	Burner Assembly (NG/LP)
80)	260-565	Air Shutter Gear Assembly - Female
81)	904-565	Hex Key 3/16" AF
82)	630-009	Gasket-Burner Tray/Air Passage
84)	*	Air Shutter Gear Assembly - Male

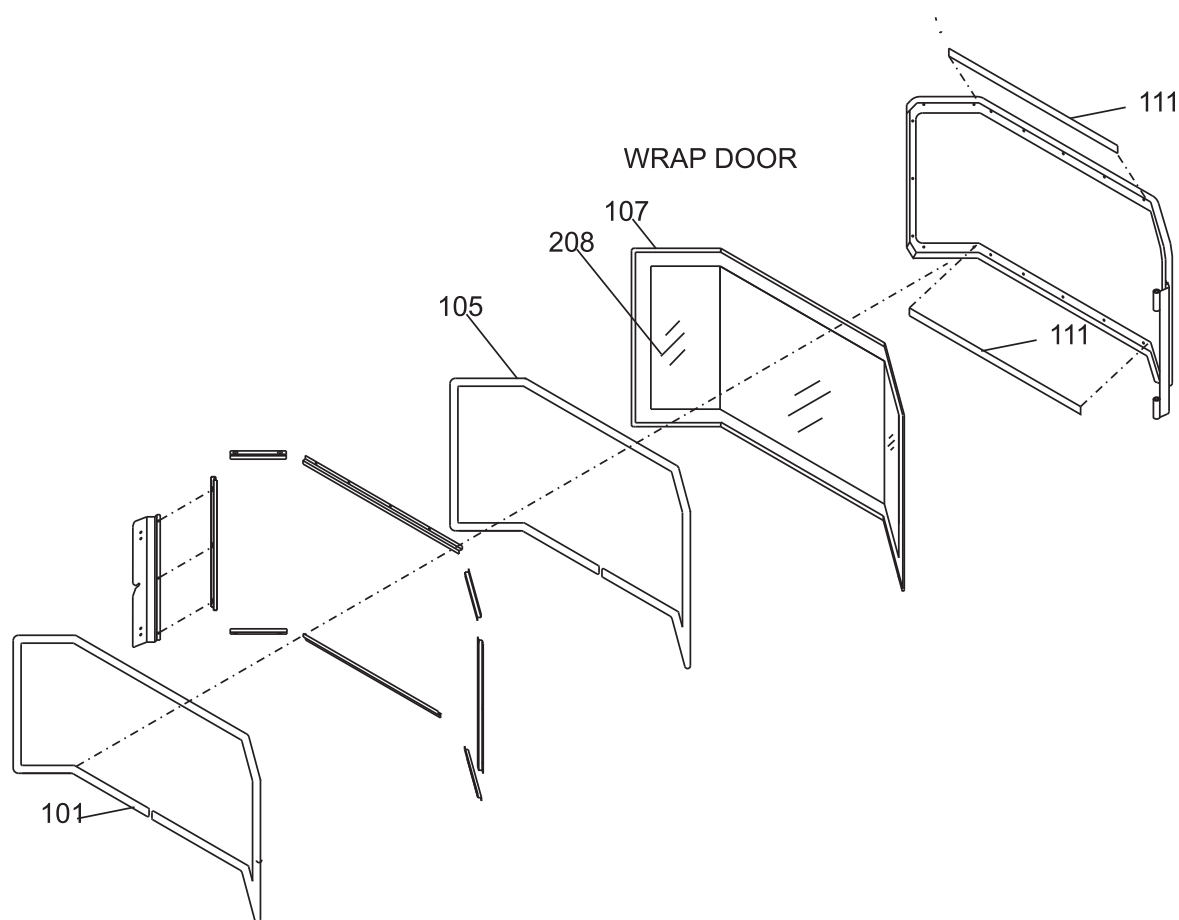
\*Not available as a replacement part.



## DOOR ASSEMBLY

Part #	Description
730-932	Gold Wrap Door - Complete
730-933	Black Wrap Door - Complete
730-934	Brushed Nickel Wrap Door - Complete
101) 650-920	Door Gasket Kit
105) *	Ceramic Paper
107) 936-243	Glass Gasket
111) *	Door Frame Fibre Paper
208) 940-325/P	Wrap Glass

\*Not available as a replacement part.



[illegible]

## NOTES

[illegible]



Regency Fireplace 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 facility. FPI Fireplace Products International Ltd. is pleased to extend this limited lifetime warranty to the original purchaser of a Regency Product. This warranty is not transferable.

**The Warranty:** Limited Lifetime

The combustion chamber, heat exchanger, burner tubes/pans, logs and gold plating (against defective manufacture only) are covered under the Limited Lifetime Warranty for five (5) years for parts and subsidized labour\* and parts only thereafter.

Glass is covered for lifetime against thermal breakage only, parts and subsidized labour\* for five (5) years and parts only thereafter from date of purchase.

Special Finishes - One year on brushed nickel, louvers and doors. You can expect some changes in color as the product "ages" with constant heating and cooling. FPI warrants the product for any manufacturing defects on the original product. However, the manufacturers warranty does not cover changing colors and marks, ie. finger prints, etc applied after the purchase of the product. Damage from the use of abrasive cleaners is not covered by warranty.

Electrical and mechanical components such as blowers, switches, wiring, thermocouples, FPI remote controls, spill switches, thermopiles, thermocouples, pilot assembly components, and gas valves are covered for two years parts and one year subsidized labour\* from the date of purchase. Blowers and valves replaced under warranty are considered repairs and continue as if new with appliance. ie. twelve (12) months from original purchase date of appliance with a minimum of three (3) months coverage from date of replacement.

FPI venting components (Direct Vent units) are covered parts and subsidized labour\* for three (3) years from date of purchase.

Simpson Dura-Vent venting components (Direct Vent units) are covered by Simpson Dura-Vent Inc. warranty.

Repair/replacement parts purchased by the consumer from FPI after the original coverage has expired on the unit will carry a 90 day warranty, valid with a receipt only. Any item shown to be defective will be repaired or replaced at our discretion. No labor coverage is included with these parts.

**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 Regency 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 limited Lifetime 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.

Embers, glass and door gaskets, door handles and paint 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.

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.

\* Subsidy according to job scale as predetermined by FPI.



**Regency® fireplace 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.**

**Fireplace Products International Ltd. is pleased to extend this Limited Lifetime Warranty to the original purchaser of a Regency® Product.**

**See the inside back cover for details.**

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

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

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

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

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

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

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