REGENCY
FIREPLACE PRODUCTS

City Series®
CST50E DIRECT VENT

Owners & Installation Manual



STYLE
See-Thru

MODEL
CST50E-NG / CST50E-LP

www.regency-fire.com

⚠ WARNING
FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- WHAT TO DO IF YOU SMELL GAS

- **Do not try to light any appliance.**
- **Do not touch any electrical switch: do not use any phone in your building. Leave the building immediately.**
- **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.**

- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Tested by: ETL LISTED c US Intertek

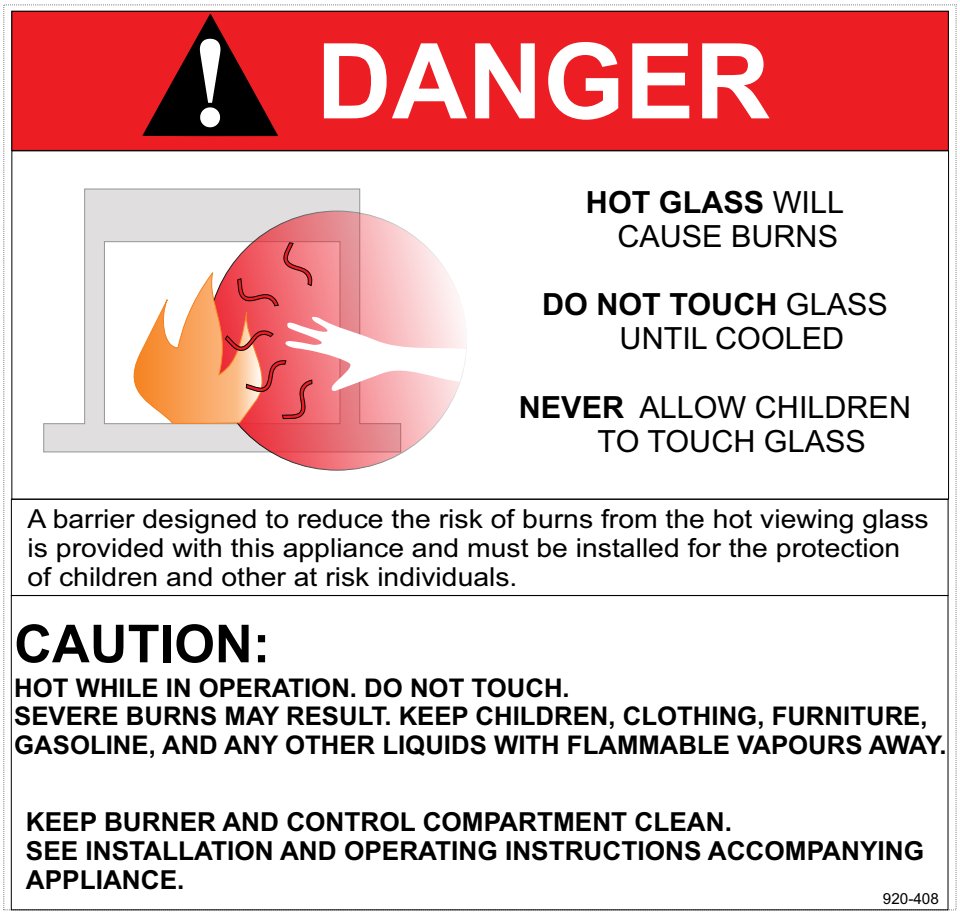
Certified to /Certifié pour: CSA 2.17-2017 (R2022), ANSI Z21.88-2019 (R2024), CSA 2.33-2019 (R2024)

Installer: Please complete the details on the back cover and leave this manual with the homeowner.
Homeowner: Please keep these instructions for future reference.

To the New Owner:

Congratulations!

You are the owner of a state-of-the-art Gas Fireplace by REGENCY®. The City Series are hand crafted appliances and have been designed to provide you with all the warmth and charm of a wood fireplace at the flick of a switch. The CST50E City Series have been approved by Intertek for both safety and efficiency. As it also bears our own mark, it promises to provide you with economy, comfort and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Regency® Fireplace.



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

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

MANUFACTURED MOBILE HOME REQUIREMENTS

INFORMATION FOR MOBILE/MANUFACTURED HOMES AFTER FIRST SALE

This Regency® product was tested and listed by Intertek as a Direct Vent Wall Furnace to the following standards: Vented Gas Fireplace Heaters ANSI Z21.88-2019 (R2024) • CSA 2.33-2019 (R2024) and Gas-fired Appliances for Use at High Altitudes CSA 2.17-2017 (R2022).

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, the current National Electrical Code ANSI/NFPA 70 in the U.S.A., and the current CSA B149.1 Gas Installation Code and Canadian Electrical Code CSA C22.1 in Canada.

This Regency® mobile/manufactured home listed appliance comes factory equipped with four 1/4" (6 mm) diameter holes located near each corner of the base. Fasten the fireplace in place using screws inserted through these holes.

This appliance comes equipped with a dedicated #8 ground lug for attachment of the ground wire to the steel chassis, as applicable to local codes. See the "Wiring Diagram" section.

When installed, this appliance must be electrically grounded in accordance with local codes or, in the absence of local codes, the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.

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

This appliance can only be used with the type of gas indicated on the rating plate. It is not convertible for use with other gases, unless a certified kit is used.

Ensure that structural members are not cut or weakened during installation.



WARNING

CARBON MONOXIDE POISONING HAZARD

Failure to follow the steps outlined below for each appliance connected to the venting system being placed into operation could result in carbon monoxide poisoning or death. The following steps shall be followed for each appliance connected to the venting system being placed into operation, while all other appliances connected to the venting system are not in operation:

1. Seal any unused openings in the venting system.
2. Inspect the venting system for proper size and horizontal pitch, as required in the *National Fuel Gas Code,* ANSI Z223.1/NFPA 54 or the *Natural Gas and Propane Installation Code,* CSA B149.1 and these instructions. Determine that there is no blockage or restriction, leakage, corrosion and other deficiencies which could cause an unsafe condition.
3. As far as practical, close all building doors and windows and all doors between the space in which the appliance(s) connected to the venting system are located and other spaces of the building.
4. Close fireplace dampers.
5. Turn on clothes dryers and any appliance not connected to the venting system. Turn on any exhaust fans, such as range hoods and bathroom exhausts, so they are operating at maximum speed. Do not operate a summer exhaust fan.
6. Follow the lighting instructions. Place the appliance being inspected into operation. Adjust the thermostat so appliance is operating continuously.
7. Test for spillage from draft hood equipped appliances at the draft hood relief opening after 5 minutes of main burner operation. Use the flame of a match or candle.
8. If improper venting is observed during any of the above tests, the venting system must be corrected in accordance with *National Fuel Gas Code,* ANSI Z223.1/NFPA and/or *Natural Gas and Propane Installation Code,* CSA B149.1.
9. After it has been determined that each appliance connected to the venting system properly vents when tested as outlined above, return doors, windows, exhaust fans, fireplace damper and any other gas-fired burning appliance to the previous conditions of use.

table of contents

Owner's information

Copy of Safety Decal 6
Decal Location 6
Important Message 8
Before You Start 8
First Fire 9
Normal Operating Sounds Of Gas Appliances 9
Non Power Vent/Power Vent Switch 9
Lighting Procedure 10
Shutdown Procedure 10
Copy of the Lighting Plate Instructions 11
Proflame II Remote Control Operating Instructions 12
Proflame II Battery Holder Battery Replacement 16
Maintenance Instructions 17
General Vent Maintenance 17
Log Replacement 17
Glass 17
Glass Replacement 17
Replacement Glass Part Numbers 17

Installer's information

MA Code - CO Detector 7
Dimensions 18
Gas Connection - Bottom of Unit 19
Gas/Electrical Connections - Side of Unit 19
Gas Installation Checklist 20
General Safety Information 22
Installation Checklist 22
Locating Your Gas Fireplace 23
Unit Assembly Prior to Installation 24

Installation - General

Chase Enclosure 26
Clearances - Flush Installation 27
Flush Installation Examples (Ventilation Openings) 28
Clearances - Bench Installation 31
Bench Installation Examples (Ventilation Openings) 32
Mantel Clearances 35
Mantel Leg Clearances 36
Framing Dimensions 37
Chase Vent Installation (White Front) (Part # 482-991) 38
Wall Board/Drywall Installation 39
No Screw Zones 39
Framing and Finishing Inset Installations 40
Typical Installations - Flush TV Install 41
Typical Installations - Recessed TV Install 42
Finishing 43
Wall Mount On / Off Switch and Battery Holder Installation 44
Proflame Wall Mounting Transmitter 45
LP Conversion Instructions 46
NG System Data 48
LP System Data 48
High Elevation 48
Gas Line Installation 48
Pilot Adjustment 48
Gas Pipe Pressure Testing 48
885 S.I.T. Valve Description 48
Exterior Vent Termination Locations (Non Power Vent) 49
5" x 8" (127 mm x 203 mm) Rigid Pipe Cross Reference Chart (Non Power Vent) 50
Vent Restrictor Position (Non Power Vent) 52
Venting Introduction (Non Power Vent) 53
Venting Arrangement for Horizontal Terminations (Rigid and Flex) 53
Horizontal Terminations - Flex Vent 5" x 8" (127 mm x 203 mm) 54
Horizontal Terminations - Rigid Pipe 5" x 8" (127 mm x 203 mm) 55
Horizontal Terminations - 5" x 8" (127 mm x 203 mm) Rigid or Flex Pipe 56
Horizontal Venting with Two 90° Elbows 56
Horizontal Venting with Three 90° Elbows 56
Venting Arrangement for Vertical Terminations - 5" x 8" (127 mm x 203 mm) Rigid and Flex Pipe 57
Vertical Terminations - 5" x 8" (127 mm x 203 mm) Rigid Pipe 58
Vertical Terminations - 5" x 8" - Rigid or Flex Pipe 59
Vertical Terminations - Vertical Flex Vent Kit (Part #946-772) 60
Vertical Flue Extension Kit (Part # 946-769) 62
Ceiling Firestop / Firestop Spacer (Part # 946-770) 63
Non-Power Vent Wiring Diagram 64
Wiring the Unit (Both Non Power Vent/Power Vent) 65
Exterior Vent Termination Locations (Power Vent) 67
4"x 6-5/8" Rigid Pipe Cross Reference Chart (Power Vent) 68
Introduction (Power Vent) 69
Vent Restrictor Position 69
Vent Chart for Power Went Only
Horizontal Terminations - Inline Horizontal Vent Chart 70
Vent Chart for Power Went Only
Horizontal Terminations - End of Line Horizontal Vent Chart 71
Venting Arrangements for Vertical Terminations 72
Wiring Diagram - Power Vent Application 73
Non Power Vent/Power Vent Switch 74

Installation - Panels, Barriers, Faceplate

Inner Glass Panel Installation / Removal 75
Glass Barrier Installation 77
Glass Barrier Adjustment 78
Inner Black Steel/Enamel Panel Installation 79
Inner Black Glass Panel Installation 81
Clean Trim Faceplate Installation 83

Installation - Media

Burner and Firebox Media Options 84
Fire Balls Media (18 Pcs) Installation (Part #946-793) 86
Optional Log Set Installation 87
Elevated Burner & Logs Installation 92
WIFI Dongle Installation (Optional) 97

Maintenance

Maintenance Instructions 98
Flame Pattern 98
General Vent Maintenance 98
Log Replacement 98
Glass Gasket 98
Glass 98
Glass Replacement 98
Aeration Adjustment 99
Minimum Air Shutter Opening 99
Bulb Replacement 100
Valve Replacement 101
Gas Maintenance - Recommended Annual Routine 102

Parts List

Main Assembly 103
Accessories 105
Bottom Pressure Relief Gasket 105
Individual Glass Gasket Parts for Item # 25 105
Upper Glass Clamps (Side A or B) 106
Lower Glass Clamps (Side A or B) 106
Power Vent - End of Line (Part # 946-535) 107
Power Vent - Inline (Part # 666-945) 108

Warranty 110
Recycling 115

NOTE: This fireplace is rated for both commercial & residential use.

Copy of Safety Decal

This is a copy of the label that accompanies this Direct Vent Gas Fireplace. A copy of the label is posted here for your review. The safety label is located at the left side of the gas valve on the front, inside the base of the unit. It is visible when the outer front panel is removed.

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.

Duplicate S/N **603**

Intertek C # 4001172

Listed/Nom: VENTED GAS FIREPLACE HEATER / FOYER AU GAZ À ÉVACUATION **DO NOT REMOVE THIS LABEL / NE PAS ENLEVER CETTE ÉTIQUETTE**
Certified to / Certifié : CSA 2.17-2017 (R2022)
ANSI Z21.88-2019 (R2024) • CSA-2.33-2019 (R2024)
MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES AFTER FIRST SALE.
Refer to Intertek's Directory of Building Products for detailed information.
Pour plus de détails , se reporter au Répertoire des produits de construction de Intertek.

REGENCY FIREPLACE PRODUCTS

Serial No./ No de série **603**

NATURAL GAS: Model: CST50E-NG / **GAZ NATUREL : Modèle CST50E-NG**

Minimum supply pressure	5.0" WC/C.E. (1.25kPa)		Pression d'alimentation minimale
Manifold pressure - High	3.8" WC/C.E. (0.94 kPa)		Pression de sortie (manifold) - Haute
Manifold pressure - Low	1.1" WC/C.E. (0.27 kPa)		Pression de sortie (manifold) - Basse
Orifice size	#36 DMS		Taille de l'orifice
Maximum input	35,000 Btu/h	(10.25 kW)	Débit calorifique maximal
Minimum input	19,000 Btu/h	(5.56 kW)	Débit calorifique minimal
Altitude	0-4500 ft/pi	(0-1372 m)	Altitude

PROPANE GAS: Model: CST50E-LP / **GAZ PROPANE : Modèle CST50E-LP**

Minimum supply pressure	11" WC/C.E. (2.73 kpa)		Pression d'alimentation minimale
Manifold pressure - High	10.5" WC/C.E. (2.62 kPa)		Pression de sortie (manifold) - Haute
Manifold pressure - Low	2.9" WC/C.E. (0.72 kPa)		Pression de sortie (manifold) - Basse
Orifice size	#52 DMS		Taille de l'orifice
Maximum input	33,000 Btu/h	(9.66 kW)	Débit calorifique maximal
Minimum input	17,000 Btu/h	(4.98 kW)	Débit calorifique minimal
Altitude	0-4500 ft/pi	(0-1372 m)	Altitude

Minimum Clearances to Combustibles /
Dégagements minimaux par rapport aux matériaux combustibles

Side Walls/Murs latéraux	6" (153 mm)
Ceiling/Plafond (from fireplace top opening/d'après l'ouverture sur le haut du foyer)	52" (1321 mm)
Mantel Height/Hteur du manteau (from fireplace top opening/ d'après l'ouverture sur le haut du foyer)	9" (229 mm)
Mantel Depth (Max.)/Profondeur max. du manteau	12" (305 mm)
Alcove Width/Largeur alcôve (Min.)	61-5-16"(1558 mm)
Alcove Depth/Profondeur alcôve (Max.)	36" (914 mm)
Convection Air Outlet (Min.)/Sortie d'air de convection (min.)	175 square inches

DOOR SEAL: Please check that the door is properly sealed
JOINT DE PORTE : Veuillez vérifier que la porte est correctement scellée.
(See instruction manual for detailed instructions/Voir manuel pour plus de détails)

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/NCSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard.
This appliance is only for use with the type(s) of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. See owner's manual for details. This appliance is supplied with a conversion kit.
L'appareil doit être installé conformément aux codes et règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation National Fuel Gas Code ANSI Z223.1, ou CSA-B149.1 Natural Gas and Propane Installation Code en vigueur.
L'appareil doit être installé conformément à la norme CAN/CSA-Z240, Série MM, Maisons mobiles, ou la norme 24 CFR Part 3280, Manufactured Home Construction and Safety Standard. Si ces normes ne sont pas applicables, veuillez vous référer à la norme ANSI/NCSBCS A225.1/NFPA 501A.
Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique et peut être installé dans une maison préfabriquée (É.-U. seulement) ou mobile installée à demeure si les règlements locaux le permettent. Voir la notice de l'utilisateur pour plus de renseignements. Une trousse de conversion est fournie avec cet appareil.

For Use Only with Barriers (Part #940-555/P) Follow installation instructions.
Utiliser uniquement avec l'écrans CSTE50E (n° 940-555/P) Suivre les instructions d'installation.

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.

FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY DOIT ÊTRE UTILISÉ UNIQUEMENT AVEC LES PORTES VITRÉES CERTIFIÉES

Electrical supply / Alimentation électrique 115VAC, 2.5A, 60Hz.
Part No. 946-535 Power Vent Horizontal Termination City Series may be used. La pièce n° 946-535 Horizontal Power Vent Termination City Series peut être utilisée.
Part No. 666-945 Inline Power Vent City Series may be used. La pièce n° 666-945 Inline Power Vent City Series peut être utilisée.

FPI Fireplace Products International Ltd.
Delta, BC, Canada
Made in Canada/ Fabriqué au Canada

VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUELS. CATEGORY I.
FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC UN COMBUSTIBLE SOLIDE. CATÉGORIE I.

Model/Modèle : CST50E-NG CST50E-LP

Intertek EP5011169 — CANADIAN ENERGY PERFORMANCE VERIFIED / RENDEMENT ÉNERGÉTIQUE VÉRIFIÉ

CSA P.4.1 Fireplace Efficiency (FE) /Efficacité énergétique des foyers (EEF) CSA P.4.1
Natural Gas / Gaz nature 57.49%
Propane Gas / Gaz propane 60.55%

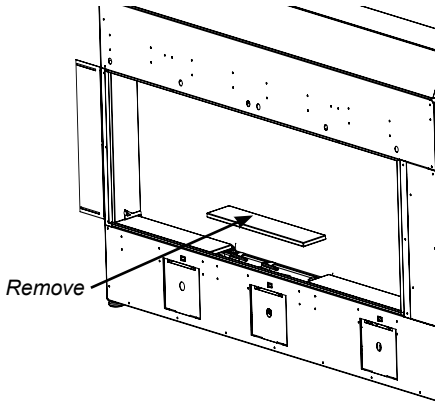
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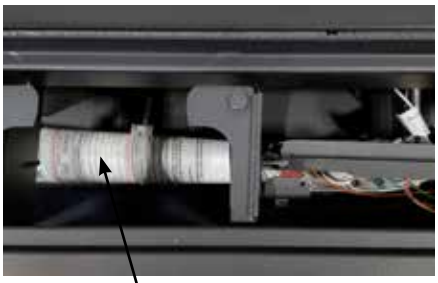
For the State of Massachusetts:

- Installation and repair must be done by a plumber or gas fitter licensed in the Commonwealth of Massachusetts.
- Flexible connectors shall not exceed 36 inches (914 mm) in length.
- 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.
- The appliance's individual manual shutoff must be a t-handle type valve.

Decal Location

Remove the centre access panel on the outer trim. Data plate will be next to the gas valve, as shown below.





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.

Important Message

SAVE THESE INSTRUCTIONS

City Line Direct Vent Fireplaces must be installed in accordance with these instructions. Consult the "authority having jurisdiction" to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure that this fireplace is installed in compliance with manufacturer's instructions and all applicable codes.

Before You Start

We are required by the Canadian Safety Standards and ANSI Standards to make you aware of the following:

INSTALLATION AND REPAIR OF YOUR APPLIANCE SHOULD BE DONE BY AN AUTHORIZED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. IT IS IMPERATIVE THAT THE APPLIANCE'S CONTROL COMPARTMENTS, BURNERS, AND CIRCULATING AIR PASSAGEWAYS ARE 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 HOUSE FIRE.

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES, ESPECIALLY ON THE FIREPLACE GLASS, AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.

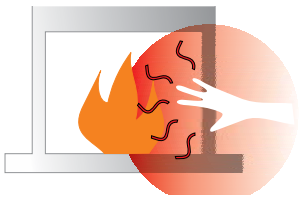
YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE NEAR THE APPLIANCE. TODDLERS, YOUNG CHILDREN, AND OTHERS MAY BE SUSCEPTIBLE TO ACCIDENTAL CONTACT BURNS. A BARRIER DESIGNED TO REDUCE THE RISK OF BURNS FROM THE HOT VIEWING GLASS IS PROVIDED WITH THIS APPLIANCE AND SHALL BE INSTALLED FOR THE PROTECTION OF CHILDREN AND OTHER AT-RISK INDIVIDUALS.

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

ANY SAFETY SCREEN, GUARD, OR BARRIER REMOVED FOR SERVICING THE APPLIANCE MUST BE REPLACED BEFORE OPERATING IT.

IF THE BARRIER BECOMES DAMAGED, THE BARRIER MUST BE REPLACED WITH THE MANUFACTURER'S BARRIER FOR THIS APPLIANCE.

WE RECOMMEND REMOVING THE GLASS WITH THE GLASS VACUUM HOLDERS SUPPLIED BY THE MANUFACTURER. REST THE GLASS IN A SAFE PLACE TO PREVENT DAMAGE TO THE EDGES. BREAKAGE OR DAMAGE TO THE EDGE OF THE GLASS DUE TO CARELESS HANDLING IS NOT COVERED UNDER WARRANTY.



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov
919-874

First Fire

To ensure that the paint is properly cured, it is recommended that you burn a fire in your fireplace for at least four (4) hours the first time. During the first fire, the unit will release an odour caused by the curing of the paint and the burning off of oils remaining from manufacturing. Smoke detectors may go off at this time. Open windows to ventilate the room for a couple of hours.

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 after the unit has cooled down or the film will bake on and become very difficult to remove. Use a non-abrasive cleaner and DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.

NOTE

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

DO NOT BURN THE UNIT WITHOUT THE GLASS IN PLACE.

Normal Operating Sounds Of Gas Appliances

It is possible that you will hear some sounds from your gas appliance. This is normal and is due to the various gauges and types of steel within your appliance. Examples are listed below. All are normal operating sounds and should not be considered defects in your appliance.

Unit Body/Firebox
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 recur.

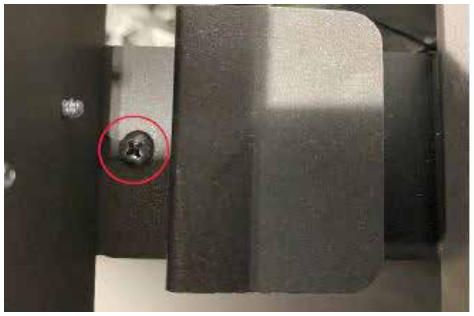
Burner Tray
The burner tray is positioned directly under the burner tube(s), media, and logs, and is made of a different gauge material from the rest of the firebox and body.

Pilot Flame
When on, the pilot flame may make a whispering sound.

Gas Control Valve
As the gas control valve turns ON and OFF, a dull clicking sound may be audible. This is normal.

Non Power Vent/Power Vent Switch

1. To access the switch, remove the screw and pull the cover off as shown below.



NOTE

The outer barrier glass and outer panels need to be removed to gain access.

2. The switch position must be as follows:
   Power vent model (O)
   Non power vent model (I)



NOTE

This switch would have been positioned at time of install and should never have to be moved from one position to another. This switch is hidden to avoid the home owner having the switch in wrong position.

Lighting Procedure

IMPORTANT

•The remote control system supplied has several options for starting/operating the appliance using the battery holder and ON/OFF key on the hand held transmitter.

Prior to operating this appliance, please read the instructions packaged with the remote control to understand how to operate the system.

1. Ensure the battery holder switch is in the REMOTE position and / or wall mounted battery holder (if equipped) is in the REMOTE position.

2. Press and release the ON/OFF button on the remote handheld transmitter (see Diagram 1). A beep should be heard from the receiver. If not using the remote, turn the appliance on by sliding the battery holder switch to the ON position.

3. After approximately four seconds for non power vent models or 15 seconds for power vent models, the spark ignition system will spark for 60 seconds to light the main burner.

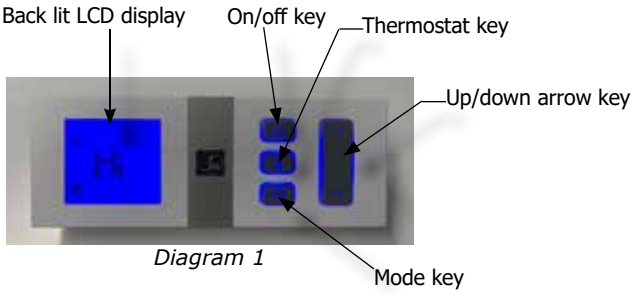


Diagram 1

4. The unit will turn on.

5. Reset the system as follows:

a) Turn the system off by pressing the ON/OFF button on the remote .

b) Wait 5 minutes, then repeat the process from step 2.

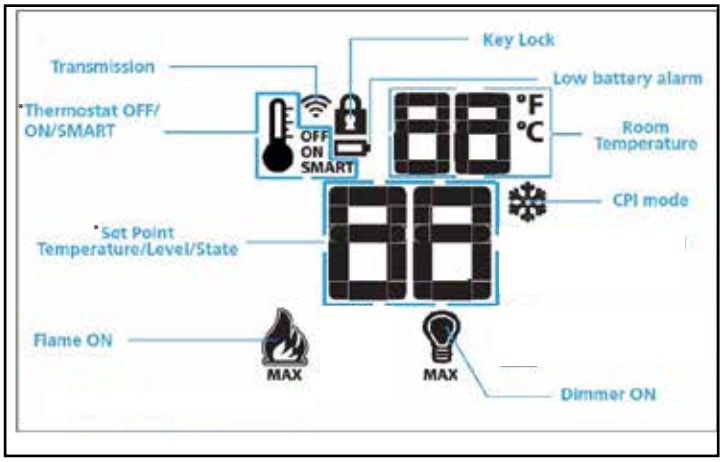
NOTE

• The first try for ignition will last approximately 60 seconds. If there is no flame ignition (rectification), the board will stop sparking for approximately 35 seconds. After wait time, the board will start second try for ignition by sparking for approximately 60 seconds. If there is still no positive ignition, the board will go into lock out.

Shutdown Procedure

1. Press the ON/OFF button on the remote.

2. Before service is performed, you must disconnect the power and shut off gas to the appliance.



* Not offered on all models.

Continuous Pilot/Intermittent Pilot (CPI/IPI) selection

See remote control instructions for details.

NOTE

Power vent Models Only : The Continuous pilot option must not be used as it will cause the power vent blower to run continuously.

Copy of the Lighting Plate Instructions

FOR YOUR SAFETY READ BEFORE LIGHTING
POUR VOTRE SÉCURITÉ – À LIRE AVANT LA MISE EN MARCHE

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.

AVERTISSEMENT : Quiconque ne respecte pas scrupuleusement les instructions de la présente notice risque de déclencher un incendie ou une explosion pouvant entraîner des dégâts matériels ou des blessures pouvant être mortelles.
Tout défaut d'installation, de réglage, de modification, de service ou d'entretien peut entraîner des blessures ou des dommages matériels. Reportez-vous au manuel d'utilisation fourni avec cet équipement. Pour obtenir de l'aide ou des informations complémentaires, consulter un installateur ou un service d'entretien qualifié, ou le fournisseur de gaz.

A) This appliance is equipped with an ignition device which automatically lights the pilot.
Do not try to light the pilot by hand.
B) BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
WHAT TO DO IF YOU SMELL GAS
- Do not try to light any appliance.
- Do not touch any electric switch, do not use any phone in your building.
- Leave the building immediately.
- Immediately call your gas supplier from a neighbours phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C) Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been underwater.

A) Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse.
Ne tentez pas d'allumer la veilleuse manuellement.
B) AVANT LA MISE EN MARCHE, reniflez tout autour de l'appareil pour déceler une odeur de gaz. Reniflez au niveau du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.
QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :
- Ne tentez pas d'allumer l'appareil
- Ne touchez à aucun interrupteur; n'utilisez pas le téléphone se trouvant dans le bâtiment.
- Quittez immédiatement le bâtiment.
- Appelez immédiatement votre fournisseur de gaz depuis un téléphone extérieur. Suivez les instructions du fournisseur.
- Si vous ne pouvez pas rejoindre le fournisseur, appelez le service incendie.

C) N'utilisez pas cet appareil s'il a été plongé dans l'eau, même partiellement. Faites inspecter l'appareil par un technicien qualifié et remplacez tout élément du système de contrôle ou de commande qui a été plongé dans l'eau.

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.

ATTENTION : Surfaces chaudes lorsque l'appareil est en marche. Ne pas toucher. Risque de brûlures graves. En raison des températures élevées, les enfants, les vêtements et le mobilier, le carburant et tout autre liquide aux vapeurs inflammables doivent être tenus éloignés de l'appareil. Nettoyer régulièrement le brûleur et le compartiment des commandes. Voir les consignes d'installation et d'utilisation fournies avec l'appareil.

OPERATING INSTRUCTIONS / CONSIGNES DE FONCTIONNEMENT

1) STOP! Read the safety information above on this label.
2) Ensure the Main switch is in the ON position and/or the wall mounted battery holder (if equipped) is in the <REMOTE> position.
3) Press and release the ON/OFF button on the remote handheld transmitter. An audible beep should be heard from the receiver. If not using the remote, the unit can also be turned on by sliding the battery holder switch to the <ON> position (if equipped).
4) After approximately 4 seconds the spark ignition system will spark for 60 seconds to light the main burner.
5) The unit will turn on.
Note: The first attempt to ignition will last approximately 60 seconds. If there is no flame ignition (rectification) the board will stop sparking for approximately 35 seconds. After this wait time, the board will start a second try for ignition by sparking for approximately 60 seconds. If there is still no positive ignition after the second attempt the board will go into lock out.
The system will need to be reset as follows (after going into lock out mode):
a) Wait 5 minutes - turn the system off by pressing the ON/OFF button on the remote.
b) After approximately 2 seconds press the ON/OFF button again.
c) Unit will repeat step 2.
6) If the appliance will not operate, follow the instructions, "To Turn Off Gas to Appliance" and call your service technician or gas supplier.
This appliance is equipped with an on-demand pilot that shuts off after seven days.

1) STOP! Lisez les instructions de sécurité sur la portion supérieure de cette étiquette.
2) S'assurer que le commutateur principal est en position ON et/ou que le bloc-piles mural (le cas échéant) est en position <REMOTE>.
3) Appuyer sur la touche ON/OFF de la télécommande puis relâcher. Un bip sonore retentira depuis le récepteur. Si vous n'utilisez pas la télécommande, l'appareil peut également être allumé en faisant glisser le commutateur du bloc-piles sur la position <ON> (le cas échéant).
4) Après environ 4 secondes, le système d'allumage produira une étincelle pendant 60 secondes pour allumer le brûleur principal.
5) L'appareil s'allumera.
Remarque : Au premier allumage, le système tente d'allumer les flammes pendant 60 secondes. Si l'essai est infructueux, le système fera une pause de 35 secondes. C'est ce qu'on appelle l'étape de rectification. Ce délai écoulé, le système tente à nouveau d'allumer les flammes en produisant des étincelles pendant 60 secondes. Si les flammes ne s'allument toujours pas, le système se met en mode verrouillage.
Il faut alors le réinitialiser en suivant les étapes ci-dessous (pour le déverrouiller) :
a) Attendre 5 minutes et éteindre l'appareil en appuyant sur la touche ON/OFF de la télécommande.
b) Attendre 2 secondes et appuyer encore une fois sur la touche ON/OFF.
c) L'appareil répètera l'étape 2.
6) Si l'appareil ne fonctionne pas, suivez les instructions "Pour couper le gaz au niveau de l'appareil" et appelez un technicien qualifié ou votre fournisseur de gaz.
Cet appareil est équipé d'une veilleuse sur demande qui s'éteint après sept jours.

TO TURN OFF GAS TO APPLIANCE / POUR COUPER LE GAZ AU NIVEAU DE L'APPAREIL

1) Press the ON/OFF button on the remote or slide the wall mount switch to the "OFF" position.
2) If service is to be performed–you must disconnect power and shut off gas to the unit.
1) Appuyer sur la touche ON/OFF de la télécommande ou faites glisser l'interrupteur mural sur la position "OFF".
2) Lors de l'entretien de l'appareil, vous devez débrancher l'alimentation électrique et couper le gaz alimentant l'appareil.

DO NOT REMOVE THIS INSTRUCTION PLATE
NE PAS ENLEVER CETTE ÉTIQUETTE D'INSTRUCTIONS

919-649b

Proflame II Remote Control Operating Instructions

NOTES

- The Proflame Transmitter 2 is an integrated part of the Proflame 2 System, which consists of these elements:
  - » Proflame 2 Transmitter, in conjunction with
  - » Integrated Fireplaces Control (Proflame 2 IFC)

The Proflame 2 Transmitter controls the following hearth appliance functions:

1. Main burner on/off.
2. Main burner flame modulation (6 levels).
3. Choice of standing or intermittent pilot (CPI/IPI) (non power vent only).
4. Thermostat and smart thermostat functions.
5. Accent light modulation (6 levels).
6. Split flow valve (not available).
7. On/Off relay.
8. Comfort fan speed modulation (6 levels) (not available).

The Proflame Transmitter uses a streamlined design with a simple button layout and informative LCD display (Fig. 1). A mode key scrolls between the features and a thermostat key is used to turn on/off or scroll through thermostat functions (fig. 1 & 2). There is also a key lock feature (Fig. 22).

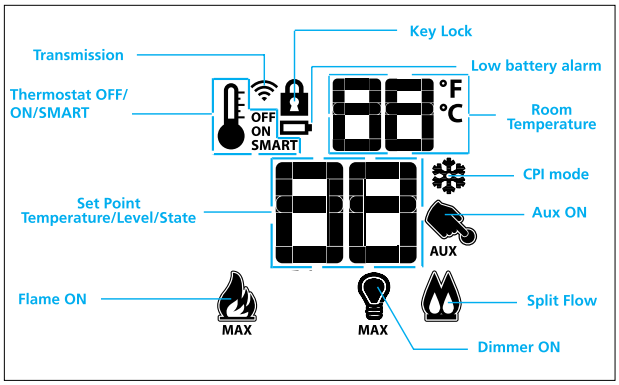


Figure 1: Transmitter LCD Display

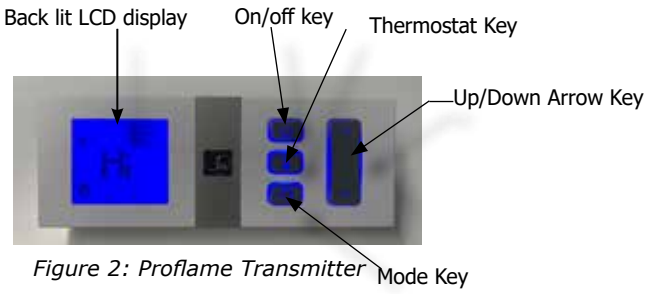


Figure 2: Proflame Transmitter

TECHNICAL DATA REMOTE CONTROL	
Supply voltage	4.5V (three 1.5V AAA batteries)
Ambient temperature ratings	0 - 50°C (32 - 122°F)
Typical operative distance in free air	12 m (39 ft)
Radio frequency	315 MHZ (FCC version)

WARNING

The transmitter and IFC are radio frequency devices.

ATTENTION

- **Turn OFF the main gas supply of the appliance prior to installation or maintenance of the IFC, and removing or reinserting the batteries.**
- **In case of remote control malfunction, turn off the IFC device using the ON/OFF main switch.**
- **For installation / maintenance, switch off the IFC device removing main power supply plug.**

Non-Power Vent Model: Install the 4 AA batteries during power outages to run the main burner. However, the lights will not operate.

Power Vent Model: This appliance will not operate if 120 volt power is lost within the home.

This appliance requires coding/pairing of the remote control and IFC (Integrated Fireplace Control). See instructions in this manual.

Pairing the remote control to remote receiver/ battery holder (if required)

Power the receiver and press the PRG button located on its top right corner - see the receiver instruction marked (*). The receiver will beep three times when ready to synchronize with a transmitter. Install three AAA batteries in the battery bay, at the base of the transmitter (Fig. 3). Press the ON button. The receiver's command is accepted and sets to the particular code of that transmitter. The system is now initialized.

(*) The receiver may be independent or integral to the IFC hearth appliance control module. The receiver instruction may not be independent when part of the IFC.



Figure 3: Battery compartment

Note: Only use regular alkaline batteries. Do not use rechargeable or lithium batteries.

Temperature indication Display

With the system off, press the THERMOSTAT key and the MODE key at the same time. Look on the transmitter's LCD screen for a C or F to the right of the room temperature display (Fig. 4 & 5).

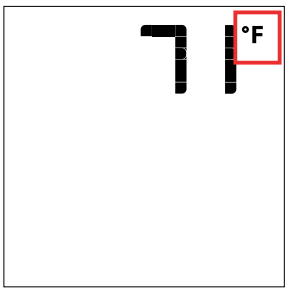


Figure 4: Remote Control Display in Fahrenheit.

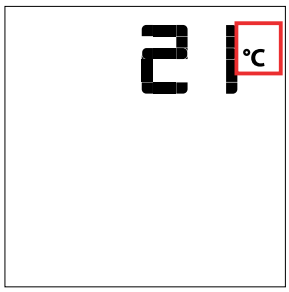


Figure 5: Remote Control Display in Celsius.

Turn on the Appliance

With the system off, press the ON/OFF key on the transmitter. Some icons will be active on the transmitter display; nonetheless, the IFC will activate the appliance. A single "beep" from the IFC confirms reception of the command.

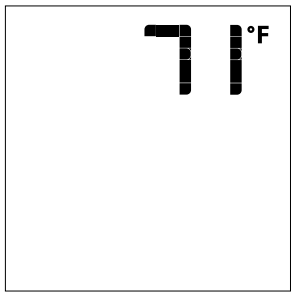


Figure 6: Remote Control display

Turn off the Appliance

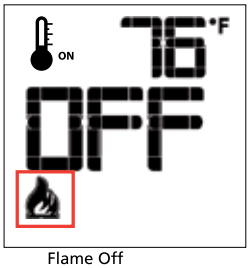
With the system ON, press the ON/OFF key on the transmitter. The transmitter LCD display will only show the room temperature (Fig. 6). At the same time the IFC will turn off the appliance. A single "beep" from the IFC confirms reception of the command.

Remote-Flame Control

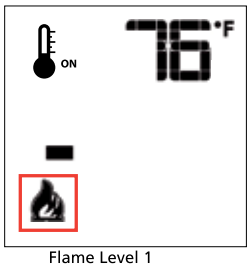
The Proflame has six (6) flame levels. With the system on and flame level at maximum, the DOWN ARROW key will reduce the flame height by one step each time it is pressed, until the flame is off.

The UP ARROW key will increase the flame height each time it is pressed. If the UP ARROW key is pressed while the system is on but the flame is off, the flame will come on in the high position (Fig. 7 & 8). A single "beep" confirms reception of the command.

Fig. 7

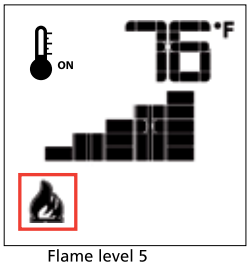


Flame Off

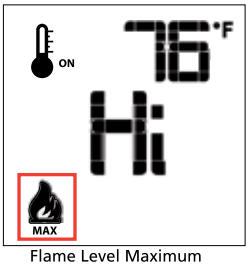


Flame Level 1

Fig. 8



Flame level 5



Flame Level Maximum

Room Thermostat (Transmitter Operation)

The remote control can operate as a room thermostat which can be set to a desired temperature. To activate this function, press the THERMOSTAT key (Fig. 1). The LCD display on the transmitter will show that the room thermostat is on, and the set temperature is displayed (Fig. 9). To adjust the set temperature, press the UP or DOWN ARROW keys until the desired temperature is displayed on the transmitter's LCD screen.

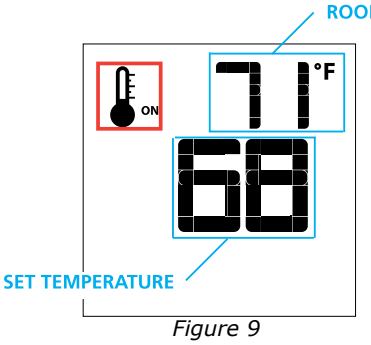


Figure 9

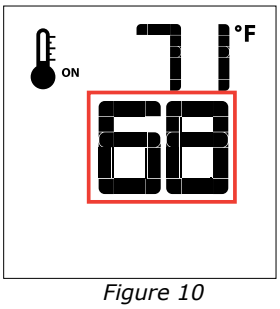


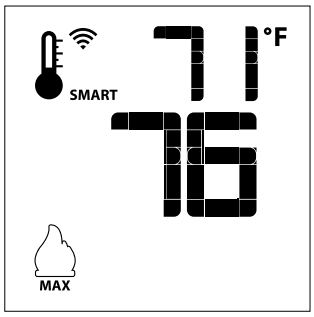
Figure 10

Smart Thermostat (Transmitter Operation)

The smart thermostat function adjusts the flame height based on the difference between the set point and the actual room temperatures. As the room temperature gets closer to the set point, the smart function will turn the flame down.

To activate this function, press the THERMOSTAT key (fig. 1) until the word "SMART" appears to the right of the temperature bulb graphic (fig. 11). To adjust the set temperature, press the UP or DOWN ARROW keys until the desired temperature is displayed on the transmitter's LCD screen (fig. 12).

NOTE When smart thermostat is activated, manual flame height adjustment is disabled.



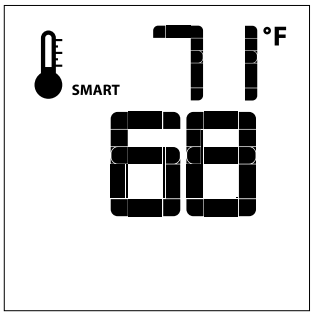


Figure 11: Smart Flame Function *Figure 12*

Fan Speed Control**

If the appliance is equipped with a hot air circulating fan, its speed can be controlled by the Proflame system. To activate this function, use the MODE key (Fig.1) to scroll to the fan control icon (Fig. 13). Use the UP/DOWN ARROW keys (Fig.1) to turn on, off, or adjust to one of the fan's six speeds (Fig. 14). A single "beep" confirms reception of the command.



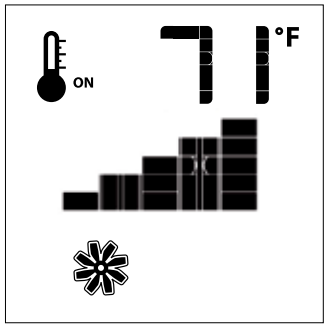


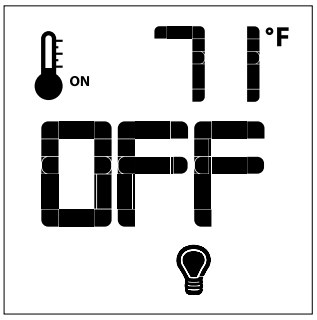
Figure 13 *Figure 14*

Remote Dimmer Control (Light)**

The auxiliary function controls the AUX power outlet by the dimmable light control. To activate this function, use the MODE key (Fig. 1) to scroll to the AUX icon (Fig. 15 & 16).

The intensity of the output can be adjusted through six (6) levels. Use the UP/DOWN ARROW keys (fig.1) to adjust the output level (Fig. 16). A single "beep" confirms reception of the command.

NOTE This function is available only with the IFC Control Module.



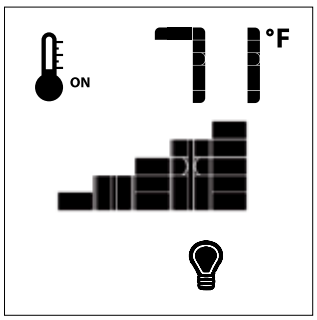
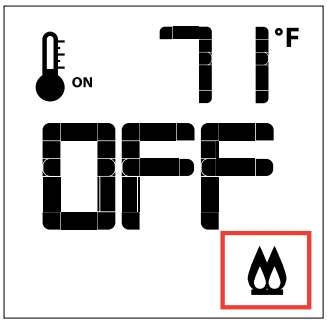


Figure 15 *Figure 16*

Split Flow control**

The secondary burner is controlled by the split flow. To activate this function, use the MODE key (fig. 1) to scroll to the SPLIT FLOW mode icon (Fig. 17 & 18).

Pressing the UP ARROW key will activate the secondary burner. Pressing the DOWN ARROW key will turn the secondary burner off. A single "beep" confirms the reception of the command.



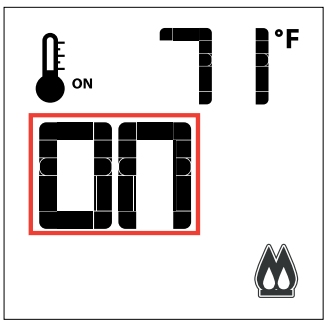


Figure 17 *Figure 18*

Continuous Pilot/Intermittent Pilot (CPI/IPI) selection

NOTE Power vent models do not have a continuous pilot (CPI) option.

IMPORTANT **This unit must remain in intermittent pilot (IPI) mode when used as a power vent model. If the unit is accidentally placed in CPI mode, the pilot and the external power vent fan will work constantly, causing unnecessary wear.**

With the system in off position, press the MODE key (Fig. 1) to scroll to the CPI mode icon (Fig. 19 & 20).

Pressing the UP ARROW key will activate the continuous pilot ignition mode (CPI). Pressing the DOWN ARROW key will return to IPI. A single "beep" confirms the reception of the command.

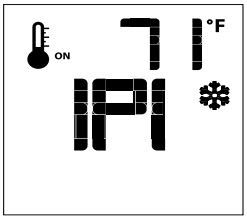


Figure 19

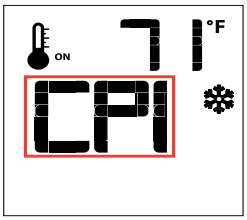


Figure 20

CPI/IPI Switch (Non Power Vent Only)

This appliance comes equipped with a CPI/IPI switch. The functions of the CPI/IPI switch are listed below.

Continuous Pilot (CPI) - A pilot that remains continuously ignited until it is manually interrupted.

Intermittent Pilot (IPI) - A pilot that is automatically ignited when an appliance is called on to operate and remains continuously ignited during each period of main burner operation. The pilot is automatically extinguished when each main burner operating cycle is completed.

The mode of the fireplace is easily changed from an intermittent pilot ignition system (IPI) to a continuous pilot ignition system (CPI) using the remote control as noted above.

The benefits of CPI mode are as follows:

- Keeps venting primed for trouble-free startup under colder weather conditions or inversions.
- Keeps the unit glass warm, which decreases the amount of condensation on startup.
- Provides owners with flexibility to choose a traditional continuous pilot. The primary benefit of having the IPI function is a significant savings on fuel as the pilot will only run when there is a call for heat.

Thermostat Icon: If the thermostat icon is not present on the remote transmitter, follow the instructions noted below:

1. Remove one battery from the remote.
2. Press and hold the THERMOSTAT button on the remote while reinstalling the battery.
4. If you see **"Set"** on the remote**,** the thermostat option is enabled. If you see "**Clr",** the thermostat option is disabled.
5. Repeat the procedure to change the **"Set"** or "**Clr"** option.

Enable all other functions if not present on the remote transmitter, following the instructions noted below.

1. Remove one battery from remote.
2. Press and hold the ON/OFF and MODE buttons simultatneously.
3. Reinstall the battery removed in step 1 while holding both buttons, then release the MODE button only.
4. The screen will show either **"Clr"** or **"Set"**.
5. **"Clr"** will remove a mode—use the up or down arrow while holding the ON/OFF and MODE keys (mode icon will disappear once removed).
6. Use the MODE key to move to the next function.
7. **"Set"** will add a mode —use the up or down arrow while holding ON/OFF and MODE keys (mode icon will appear when added).
8. Use the MODE key to move to the next function.

NOTE The fan (if installed) or CPI/IPI mode should not be programmed out on the remote.

Key Lock

This function will lock the keys to avoid unsupervised operation.
To activate or deactivate this function, press the MODE and UP keys at the same time (Fig. 21).

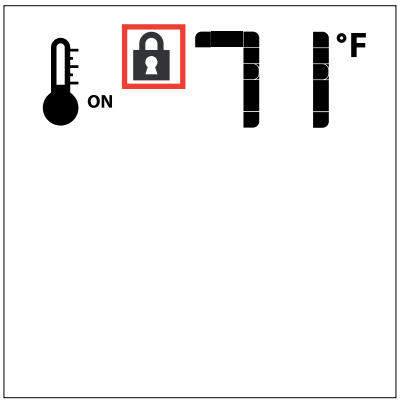


Figure 21

Low Battery Power Detection Transmitter

The life span of the remote control batteries depends on various factors:

- Quality of the batteries used.
- The number of ignitions of the appliance.
- The number of changes to the room thermostat set point, etc.

When the remote control's batteries are low, a battery icon will appear on its display (Fig. 22) before power is lost. When the batteries are replaced, the battery icon will disappear.

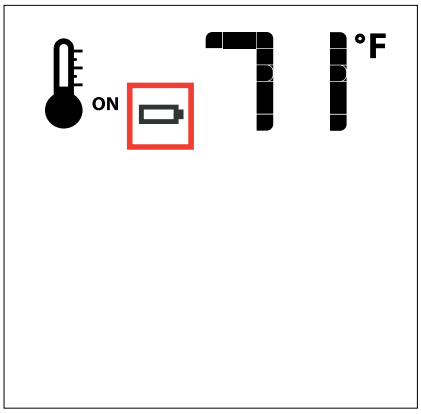


Figure 22

NOTE For information about glass or glass barriers, see "Panels, Barriers, Faceplates" in the "Installation - General" section of this manual. For information on light bulb replacement, refer to the "Maintenance" section.

Proflame II Battery Holder Battery Replacement & Battery Back Up if 120 Volt Power is lost

IMPORTANT

Non-Power Vent Model: Install the 4 AA batteries during power outages to run the main burner. However, the lights will not operate.

Power Vent Model: This appliance will not operate if 120 volt power is lost within the home. This will not operate with 4 AA batteries due to the power vent blower motor requiring AC power to operate.

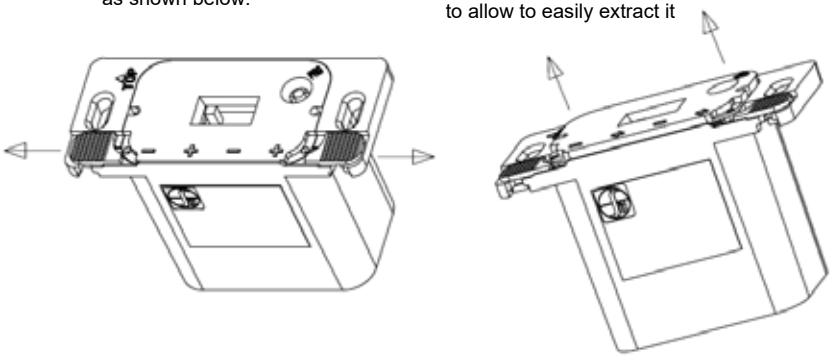
How to replace/add the batteries on battery holder (Proflame 2).

Note : If a wall switch cover plate is installed, first remove cover plate by removing 2 small phillips head screws

STEP 1

Move both the left/right slides as shown below.

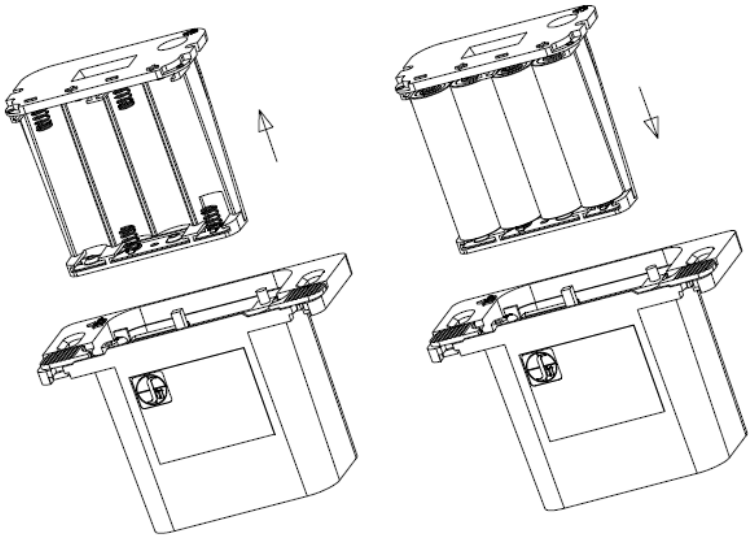
The battery compartment will be pushed out slightly, to allow to easily extract it



STEP 2

Extract the battery compartment from the remote receiver/battery holder

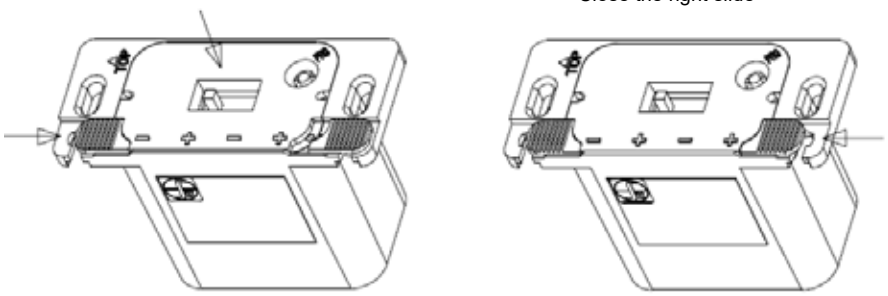
Replace 4 x AA batteries and insert the battery compartment back into remote receiver/battery holder



STEP 3

Keeping the battery compartment pressed in, close the left slide

Close the right slide



STEP 4 Reinstall wall cover plate with 2 Phillips head screws.

Maintenance Instructions

1. Always turn off the gas valve before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming it at least once a year. When cleaning the logs, use a soft, clean paint brush as the logs are fragile and easily damaged.

2. Clean appliance and door with a damp cloth (never when unit is hot). Never use an abrasive cleaner. The glass should be cleaned with a gas fireplace glass cleaner. ***The glass should be cleaned when it starts looking cloudy.***

3. The fireplace is finished in a heat resistant paint and should only be refinished with heat resistant paint. Regency® uses StoveBright Paint - Metallic Black #6309.

4. Periodically check the burner for proper positioning and condition. Visually check the flame of the burner periodically, making sure the flames are steady, not lifting or floating. If there is a problem, call a qualified service person.

5. The appliance and venting system must be inspected before use and at least annually by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed.

6. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and gas control which has been under water.

7. In the event this appliance has been serviced, check that the vent-air system was resealed & reinstalled in accordance with the manufacturer's instructions.

8. Verify operation after servicing.

General Vent Maintenance

Conduct an inspection of the venting system semi-annually. Recommended inspection areas are listed below.

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 evidence of excessive condensation, such as water droplets forming in the inner liner and dripping out the joints. Continuous condensation can cause corrosion of caps, pipes, and fittings. It may be caused by having excessive lateral runs, too many elbows, and exterior portions of the system exposed to cold weather.

4. Inspect joints to verify that no pipe sections or fittings were disturbed or loosened. Also check mechanical supports such as wall straps or plumbers' tape for rigidity.

Log Replacement

The appliance should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening the door and removing the logs. If a log needs replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagrams under log installation.

Glass

NOTE

Improper positioning of logs may create carbon build-up and will alter the appliance's performance. Resulting damage is not covered under warranty.

Your Regency® fireplace is supplied with high temperature 5mm tempered outer glass & 5mm ceramic inner glass. If your glass requires cleaning, we recommend using an approved glass cleaner sold by an authorized dealer. Do not use abrassive materials or ammonia-based cleaners.

WARNING

- **Do not clean the glass when it is hot.**
- **The use of substitute glass will void all product warranties.**
- **Do not strike the glass.**
- **Do not operate this fireplace with a cracked, broken, or missing glass front.**
- **Wear gloves and safety glasses when removing damaged or broken glass.**
- **Replacement of glass panels should be done by a licensed or qualified service person.**

Glass Replacement

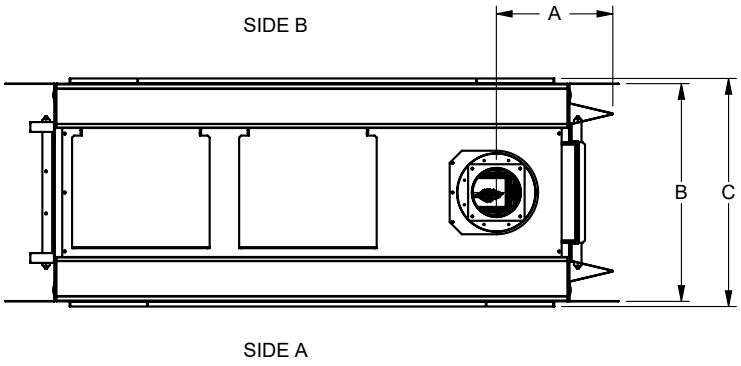
In the event that you break your glass by impact, purchase your replacement from an authorized Regency dealer only. Replacement glass is shipped already installed into the door frame. Reinstall as per the instructions in the "Glass Installation" section.

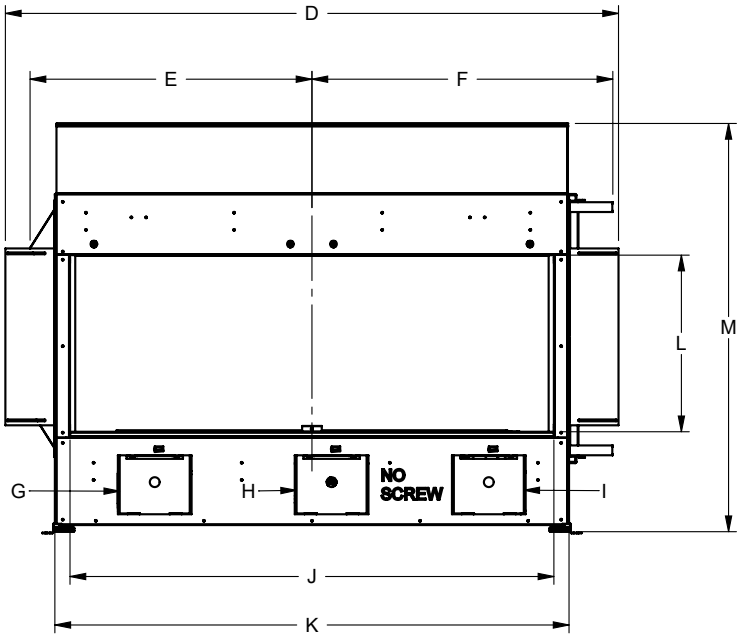
Replacement Glass Part Numbers

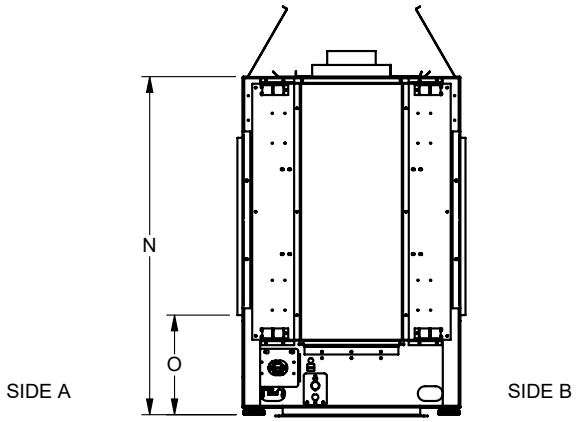
Outer Safety Glass Front - Tempered
(Part# 940-554/P each)

Inner Glass - Ceramic (Part# 940-555/P each)

Dimensions





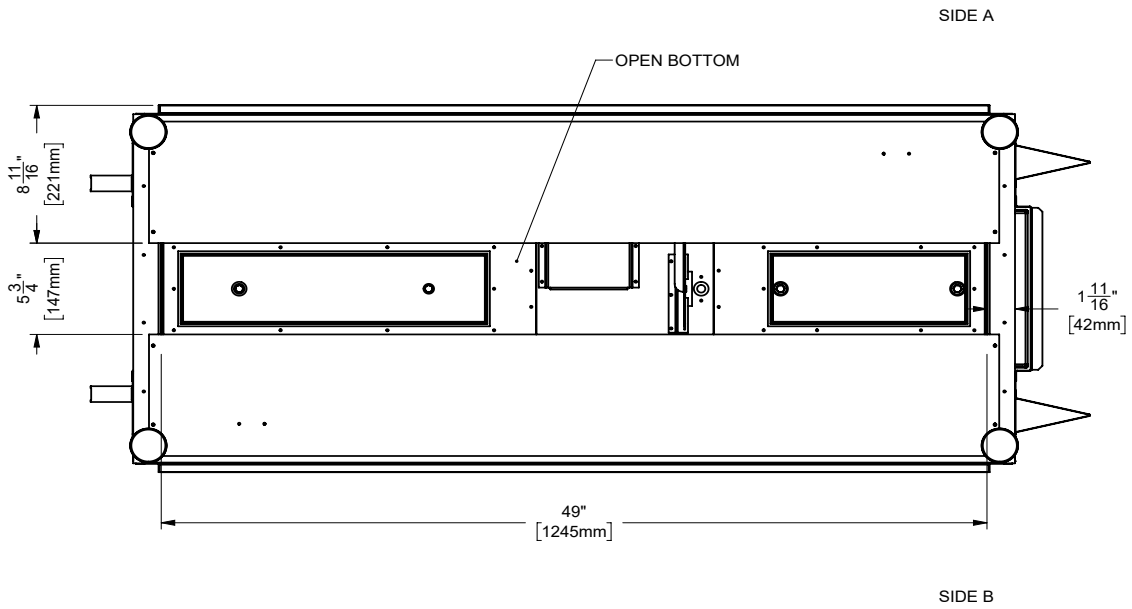


Item	Description	Measurement
A	**Exhaust Center to Standoff**	11-7/8" (301 mm)
B	**Unit Body Depth**	22-3/16" (564 mm)
C	**Width (lip to lip)**	23-3/16" (590 mm)
D	**Nailing Strip**	62-3/8" (1585 mm)
E	**Glass Center to Standoff**	28-11/16" (729 mm)
F	**Glass Center to Standoff**	30-5/8" (778 mm)
G	**Gas Connection**	N/A
H	**Aeration Adjustment**	N/A

Item	Description	Measurement
I	**Electrical**	N/A
J	**Viewing Opening Width**	49-1/4" (1251 mm)
K	**Unit Body Width**	52-5/16" (1329 mm)
L	**Viewing Opening Height**	18" (457 mm)
M	**Unit Height**	41-9/16" (1055 mm)
N	**Unit Body Height**	34-3/8" (874 mm)
O	**Unit Base to Bottom Opening**	10-1/8" (257 mm)

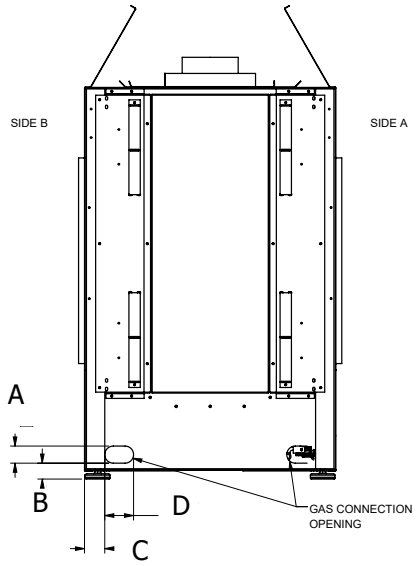
NOTES
- Height dimension is taken with leveling legs fully inserted and may vary depending on the height of the leveling legs when unscrewed or extended.
- All pictures/diagrams shown throughout this manual are for illustration purposes only. Actual product may vary due to enhancements.
- Dimensions will appear as (inches)" / (metric) mm throughout this manual. The inches are rounded to the nearest 1/16" when converted.

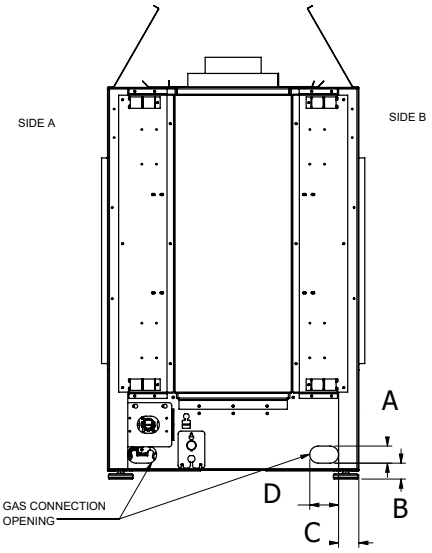
Gas Connection - Bottom of Unit



Gas/Electrical Connections - Side of Unit

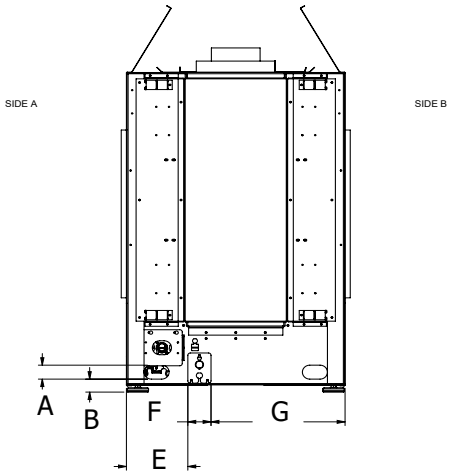
Gas Connection





Electrical Connection

(Metal box supplied for all 120 volt connections.)



A	1-1/2" (38 mm)	**C**	1-13/16" (45 mm)	**E**	6-1/4" (158 mm)
B	1-3/8" (35 mm)	**D**	2-9/16" (64 mm)	**F**	2-3/8" (60 mm)
				G	13-9/16" (345 mm)

Gas Installation Checklist

This general checklist does not contain all pertinent installation details or specifics and does not supersede the guidelines in this manual. Your Regency dealer/installer should use it in conjunction with manual instructions. Please follow all local codes and jurisdictions in authority.

Customer:		**Date Installed:**	
Install Address:		**Location of Fireplace:**	
Serial No:		**Installer:**	
Model No:			

Site Requirements	**YES**	**NO**
If applicable, are the insulation, vapour barrier, and drywall present if installed on an outside wall or chase?		
Does the area have a solid continuous base to support the unit?		
Will the area accommodate the size of the applliance and all clearances?		
Are the gas and electrical roughed into the area where the unit is being installed?		
In City & Grandview series cool wall applications, is the chase enclosure sealed to prevent heat from escaping? All hot air from the unit must exit via the mandatory ventilation openings.		
In City & Grandview applications, Is the chase enclosure vented with the mandatory heat ventilation openings? See manual for details.		
If applicable, is the masonry/factory built freplace in its original condition with no modifications?		
If applicable, have the hearth requirements been met?		
Unit Setup	**YES**	**NO**
If applicable, are the standoffs and top nailing flange extensions installed and at the correct depth to accommodate finishing material? See manual for details.		
If applicable, is the fireplace level and secured, meeting framing clearances? See manual for details.		
If applicable, is the unit converted to top or rear vent per manual instructions, and the insulation discarded?		
Venting	**YES**	**NO**
Are the venting components approved for the unit installed?		
Does the venting configuration comply with venting diagrams?		
Is venting installed and secured, and are clearances for the vent pipe and termination cap maintained?		
If applicable, was a 1/4" rise maintained for every foot of horizontal run?		
Was the termination installed and sealed?		
Is the direct vent termination at the highest point in the vent assembly?		
If applicable, are both chimney liners continuous from flue collars to termination?		
Electrical and Wiring	**YES**	**NO**
Is the appliance connected to the household's 110/120v per local codes? Check local codes for receptacle placement.		
Were the connections in the fireplace tested with a circuit tester?		
Is the appliance properly grounded?		
If applicable, is the supplied electrical/gang box affixed to the wall to facilitate the mounting of the receiver/battery box ?		
If applicable, is all electrical, Ethernet, HDMI, networking, optical, wire/cables, conduits, etc. run through the wood or steel stud work as wires/cables of any kind cannot be exposed directly above or over the fireplace?		
Gas	**YES**	**NO**
Does the supply pressure meet the requirements shown on the rating plate?		
Was a conversion performed?		
Was a leak check performed and manifold pressures verified?		

Is the shut-off valve installed and easily accessible to the customer?		
Finishing	**YES**	**NO**
If applicable, is only noncombustible material installed in the noncombustible areas?		
Do clearances meet installation and manual requirements?		
Do the mantels and/or projections comply with the installation manual?		
If applicable, was the solid fuel fireplace warning plate installed?		
Is the chase enclosure fully open the full width, height and depth above the fireplace as per the requirements noted in the framing section?		
Appliance Media Setup	**YES**	**NO**
Do commands from the remote or wall switch light the pilot and main burner?		
Are the burner media/log set, glass door, and screen installed per instructions in the manual?		
Was the air shutter on the proper setting after running the unit for 20 minutes?		
If applicable, were the surround and trims installed according to the manual?		
Was the operation of the fan, lights (if installed), and flame modulation checked?		
Customer Tutorial and Presentation	**YES**	**NO**
Is the customer confident operating the new gas appliance and aware of all the features on the remote?		
Confirm that the rating and lighting plates are attached to the appliance. Do not remove.		
Was the customer informed of the location of the rating and lighting plates?		
Was accessing unit controls in a power outage explained to the customer?		
Are the model and serial numbers and the date of installation of the unit written in the manual and on the checklist?		
Were the warranty and unit registration reviewed with the customer?		
Comments:		

General Safety Information

1. The appliance installation must conform with local codes, or in the absence of local codes, with the current Canadian or National Gas Codes, CSA B149.1 or ANSI Z223.1 Installation Codes.
2. See general installation and assembly instructions. The appliance and vent should be enclosed.
3. This appliance must be connected to the specified vent and termination cap, outside of the building envelope. Never vent to another room or the inside of a building. Make sure that the vent is fitted as per venting instructions.
4. Inspect the venting system annually for blockages and any signs of deterioration.
5. Venting terminals must not be recessed into a wall or siding.
6. Any safety glass removed for servicing must be replaced prior to operating the appliance.
7. To prevent injury, do not allow anyone who is unfamiliar with its operation to use the fireplace.
8. Wear gloves and safety glasses for protection during appliance maintenance.
9. Be aware of electrical wiring locations in walls and ceilings when cutting holes for termination.
10. Under no circumstances should this appliance be modified. Parts removed for servicing should be replaced prior to operating this appliance.
11. Installation, annual inspection, and repairs to this appliance should be done by a qualified service person. Have all of your gas appliances checked annually.
12. Do not slam shut or strike the glass door.
13. Never use solid fuels (wood, paper, cardboard, coal, etc.) in this appliance.
14. The appliance area must be kept clear of combustible materials, gases, and other flammable vapours and liquids.
15. Ensure that all electrical, Ethernet, HDMI, networking, optical, wires/cables, conduits, etc. are run through the wood or steel stud work. Do not place directly above or have exposed over the fireplace.
16. The chase enclosure must be fully open the full width, height and depth above the fireplace as per the requirements noted in the framing section.

Installation Checklist

IMPORTANT: It will need to be determined if this appliance will be installed as a Non power vent or power vent. The venting parameters and size of the venting differ so it is important to know which version will be installed.

1. Choose a location for your appliance. Refer to the following sections:
   a) Locating Your Fireplace
   b) Clearances
   c) Combustible Mantel Clearances
   d) Framing & Finishing
   e) Venting. See the "Venting Introduction" to "Venting Arrangements" sections.
2. Assemble standoffs. Refer to the "Unit Assembly Prior to Installation" section.

NOTE Must be done before installing unit into fireplace.

3. Install vent. See installation procedures sections.
4. Wire 120 volt AC power to the receptacle box located on the lower right of the appliance. The Duplex receptacle and cover are included in the manual package.

   On the power vent model, ensure that the power vent cap is wired to the appliance. See the manual for details.

   Power vent model: This heater requires a 120 volt A.C. supply for operation of the appliance.

   Non-power vent model: While the burner does not require a 120 volt A.C. power supply, it is recommended as a primary power source. Batteries (4 AA) should be used as a secondary power source.
5. Install the junction box supplied with the appliance. Install the battery box inside the junction box and hook it to the wire marked "receiver".
6. **On the non-power vent model only:**
   - Batteries (4 AA) should not be installed into the battery holder/switch box if electrical connections are made to the receptacle.
   - Install batteries during power outages to run the main burner.

   On the power vent model only:
   - Install 3 AA batteries into the transmitter.
   - No other batteries are required.
7. See the instructions in this manual on how to operate the remote control.
8. Make the gas connections and test the pilot. The configuration must be as per the diagram in the "Gas Line Installation" & "Pilot Adjustment" sections.
9. Install standard and optional features. Refer to the following sections where applicable:
   a. Barrier (Outer) Safety Glass
   b. Firebox (inner) glass
   c. Log Set
   d. Fireglass
   e. Ceramic stones or other approved media
   f. Painted, enamel, or glass panels (panels required)
10. Plug the three-prong plug into the receptacle. The three-prong plug is located near the gas valve on the appliance.
11. Final check.

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

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 resulting in damage is not the responsibility of the manufacturer.**

Locating Your Gas Fireplace

1. When selecting a location for your fireplace, ensure that the clearances are met as outlined in the "Clearances" section.

2. Provide adequate clearances for servicing.

3. The appliance must be installed on a flat, solid, continuous surface (e.g. wood, metal, concrete). This may be the floor, or a platform to enhance visual impact. If the appliance is going to be installed on carpeting, combustible linoleum tile, or other combustible material (other than wood flooring), the appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.

4. This Direct Vent Gas Fireplace can be installed as follows:

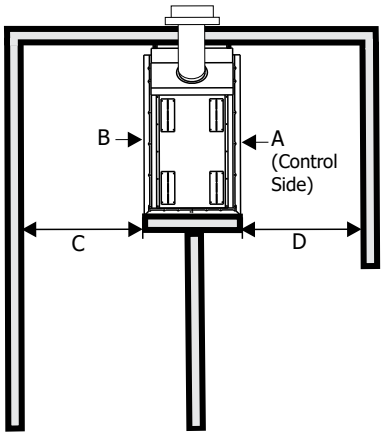
Position	Model #
A, B	CST50E See-through

5. This appliance is listed for bedroom installations when used with a listed millivolt thermostat. Some locations may have further requirements - check local codes before installation.

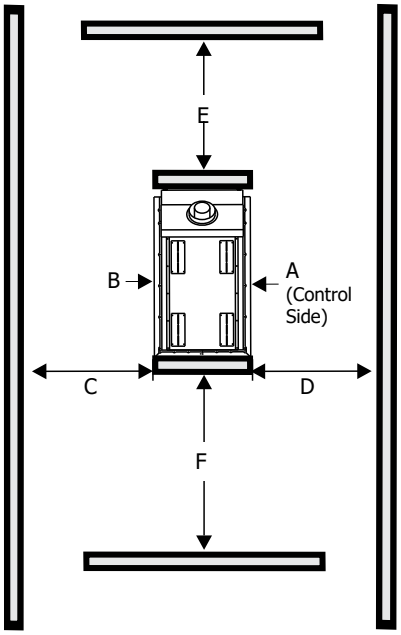
6. The CST50E Direct Vent Gas Fireplace is approved for alcove installations which meet the clearances listed on this page.

7. We recommend that you plan your installation on paper using exact measurements for clearances and floor protection. Have a qualified inspector, dealer, or installer review your plans before installation.

NOTE See section "Exterior Vent Termination Locations."



A. CST50E - SEE-THRU



B. CST50E - SEE-THRU

A	Glass
B	Glass
C	36" min. (914 mm)
D	36" min. (914 mm)
E	36" min. (914 mm) walkway
F	36" min. (914 mm) walkway

Unit Assembly Prior to Installation

Before you start - removing the unit from the pallet

Remove the screws securing the unit to the pallet.

Due to the CST50E's size and weight (approx. 470 pounds/213 kg shipping weight), lifting and moving the unit requires 4 people.

Place a 2 x 4 long enough to provide a solid grip on each side under each handle.

Lift and move the unit carefully.

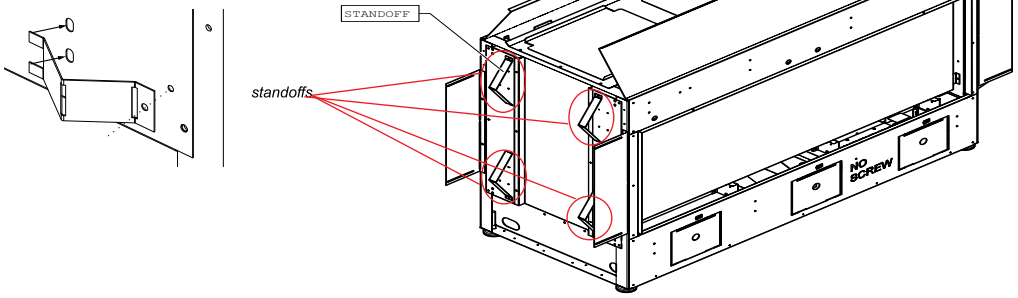


NOTE

- When the unit is in position, detach the handles by removing 6 screws from each one. Ensure the screws are replaced in the holes they were removed from. The handles are recyclable.

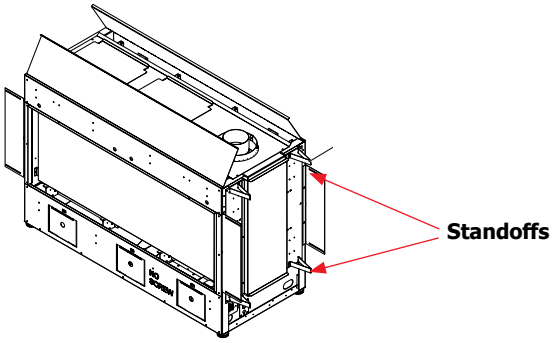
Side Standoff Assembly

The CST50E has four standoffs (2 on each side) that you must assemble before installation. The standoffs are shipped flat. Fold the standoffs and install them by sliding the two tabs into the slots on the unit. Bend the tabs and secure the opposite end of each standoff with one screw.



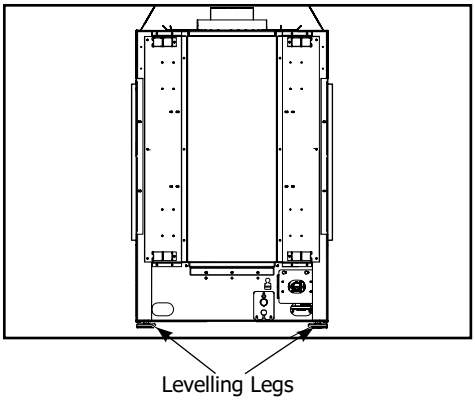
Rear Standoffs

The two top rear standoffs are designed so that screws can be used to secure the appliance to the rear wall if needed. Studs must be in place for this operation. The flanges (see image opposite) are the standoffs.



Leveling Legs

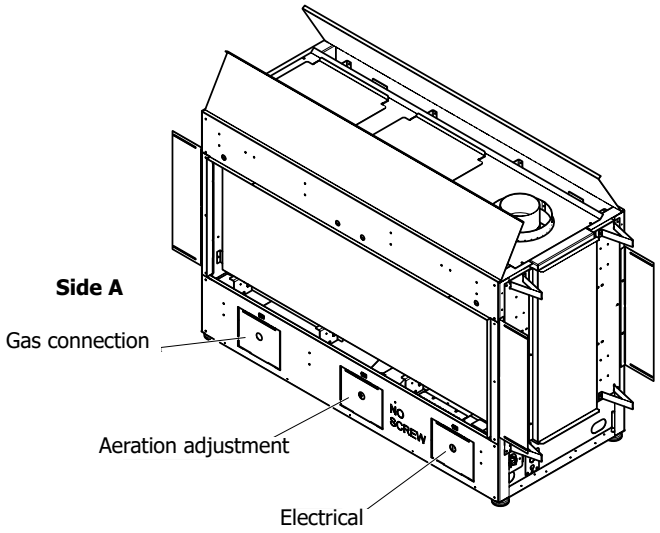
There are two levelling legs on each side that can be adjusted with the tool found in the manual package.



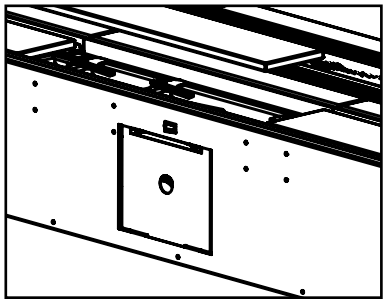
Access Panel Removal

The front access panels (x3) may be removed for ease of hooking up gas and electrical prior to finishing. Once complete, ensure that the access panels are reinstalled prior to any finishing. See locations in the diagram to the right.

NOTE
- Once the finished material is installed, these access panels are no longer accessible.



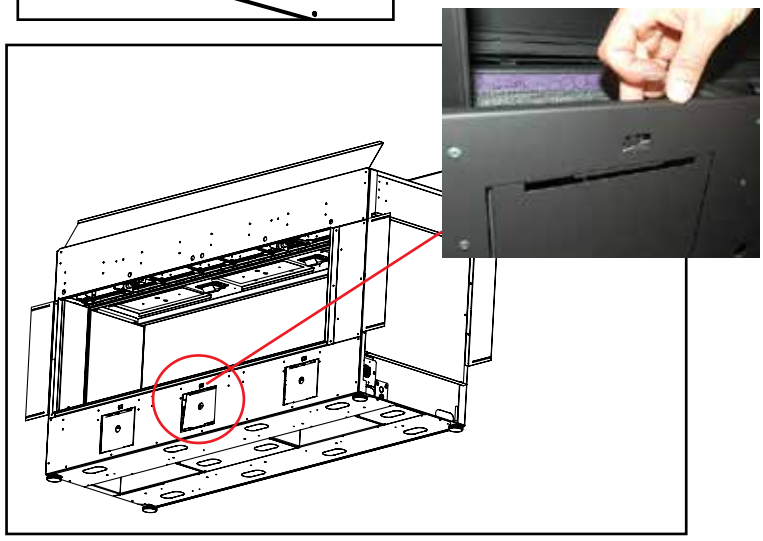
1. Identify the access panel and remove the corresponding outer trim panel by lifting it up and off (centre panel shown opposite).



2. From inside the unit, push in the tab to release the access panel at the top.

3. Push the access panel toward the inside of the unit and lift up from the bottom to release the bottom tabs. When clear, lift out of unit.

4. Reverse steps to reinstall access panel.



Chase Enclosure

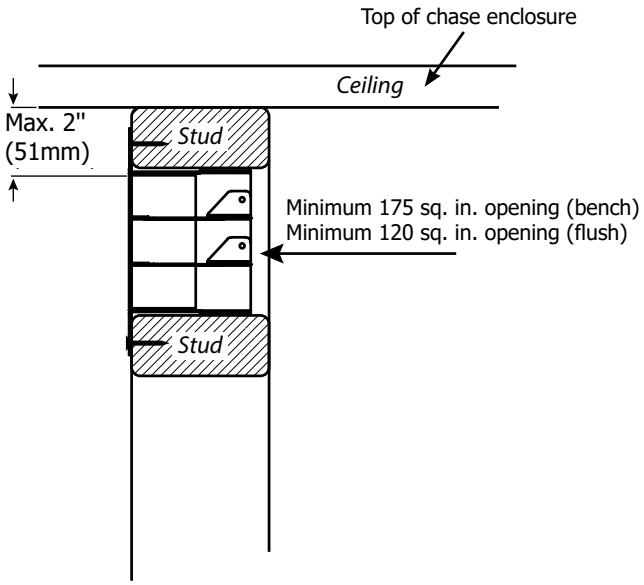
When choosing to install the ventilation openings from the front or sides, the top of the ventilation opening cannot be any lower than 0-2" (51mm) from the top of the chase enclosure for all installations.

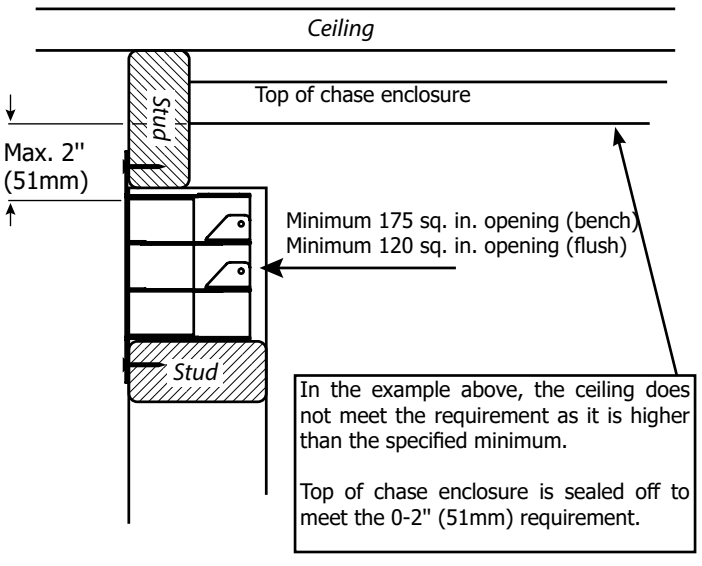
The minimum height of the enclosure from the base of the appliance is 52" (1321 mm) for the bench installation and 81-1/4" (2064 mm) for the flush installation.

A minimum 175 sq. in. (bench) or 120 sq. in. (flush) opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways, including those shown in the examples in this manual.

IMPORTANT

- **<u>Exterior wall/alcove enclosure</u> : when installing into an exterior cavity or alcove enclosure (ceiling, back, and sides) regardless of where the appliance is placed within the home, drywall or other materials such as plywood, wood studs, etc. are required to prevent heat from escaping above or through the enclosure (other than out the required grill / ventilation openings).**
- **<u>Internal chase :</u> when installing as an internal chase framing regardless of where the appliance is placed within the home, drywall or other materials such as plywood must be used on the rear wall of the chase to eliminate heat escaping into the rear wall cavity. The ceiling will also need to be finished to prevent heat escaping into floor joists, or the attic space if the chase extends to it. One of the following methods must be used to prevent the heat from escaping:**
  - **a. If choosing drywall, ensure that it butts up tight with no gaps.**
  - **b. Plywood, wood studs, etc. installed tightly with no gaps.**
- **This appliance was designed to allow hot air to escape through the chase enclosure ventilation/grill openings. If hot air is trapped as a result of it escaping through joints, crevasses, open studs, or other openings within the enclosure, this will change the clearances within the enclosure, causing it to overheat. It is vital that all hot air within the enclosure exit through the ventilation openings only. Ensure that the ventilation openings are constructed to prevent debris from falling into the enclosure.**
- **DO NOT cover or place objects in front of the ventilation opening air outlet(s).**





Clearances - Flush Installation

The clearances listed below are minimum requirements for either side of this see-through fireplace, unless otherwise stated. A major cause of chimney-related fires is failure to maintain required clearances (air space) to combustible materials.

NOTES
- Flush installation is when the chase enclosure height is at a minimum of 81-1/4" (2064 mm) or greater. This would be a typical installation, with walls placed between two rooms to divide them.

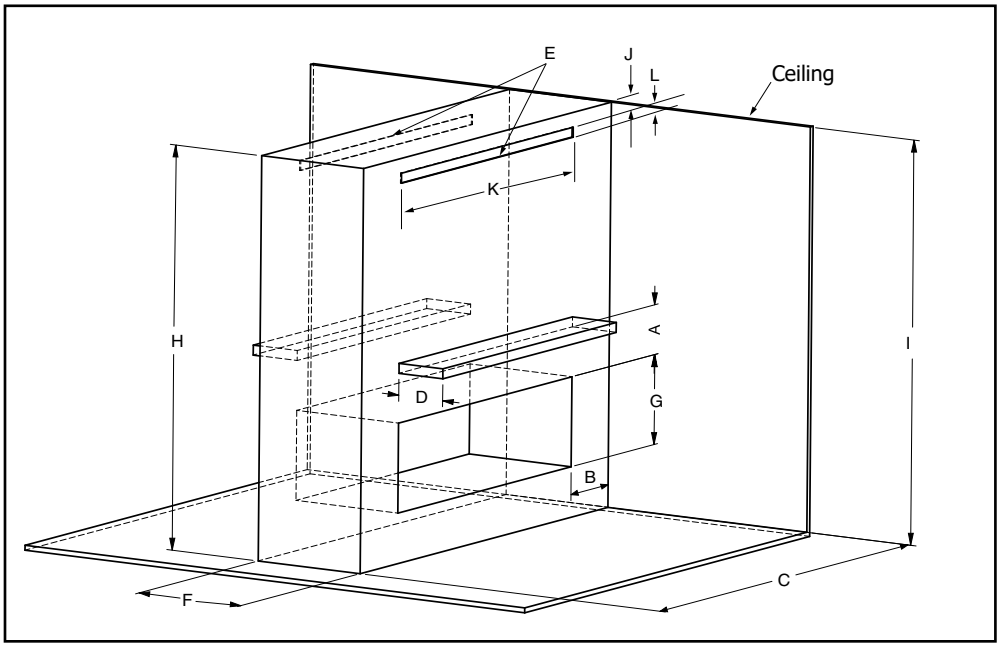
Clearance	Dimension	Measured From:
A: Mantel height (min.)	**	Top of fireplace opening
B: Sidewall (Vent side) min.	6" (152 mm)	Side of fireplace opening
C: Enclosure inside cavity width (min.)	71-3/4" (1822 mm)	Side wall
D: Mantel depth (max.)	**	
E: Convection air outlet	120 sq. in.*	Top, front, or side of enclosure
F: Framing depth (min.)	22-1/4" (565 mm)	From back wall to chase front
G: Opening height	18" (457 mm)	Bottom/top of fireplace opening
H: Chase enclosure (min.)	81-1/4" (2064 mm) or greater	From base of unit/floor to underside of enclosure top
I:Ceiling height (min.)	81-1/4" (2064 mm)	Measured from base of appliance
J: Convection air outlet opening offset (max.)	2" (51 mm)	Max offset from top of chase enclosure
K: Convection air outlet opening width (min.)	10" (254 mm)	
L: Convection air outlet opening height (min.)	1-1/2" (38 mm)	
M: Clearance to sprinkler head (min.)	36" (914 mm)	Perpendicular from chase grill
Hearth	0"	No hearth required
** See mantel clearances chart in the manual.		

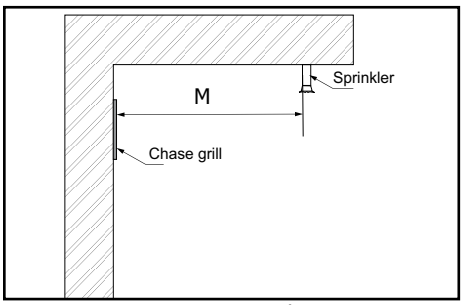
*A minimum of 120 square inches of open area, not lower than 0-2" from top of enclosure, is required for all installations.

Flue Clearances to Combustibles	
Horizontal - Top	3" (76 mm)
Horizontal - Side	2" (51 mm)
Horizontal - Bottom	2" (51 mm)
Vertical	2" (51 mm)
Passing through wall/floor/ ceiling - when firestop is used.	1-1/2" (38 mm)

NOTE
This appliance uses 5" x 8" (127 mm x 203 mm) venting for non power vent applications. For power vent applications, vent pipe must be reduced to **4" x 6 5/8" (102 mm x 168 mm).**

CAUTION
- **EXTREME RISK OF FIRE if these clearances (air space) to combustible materials are not followed.**
- **It is of the greatest importance that the installation of this fireplace and vent system comply with the instructions in this manual.**
- **The top, back, and sides of the fireplace are defined by standoffs. The metal ends of the standoffs may <u>NOT</u> be recessed into combustible construction.**



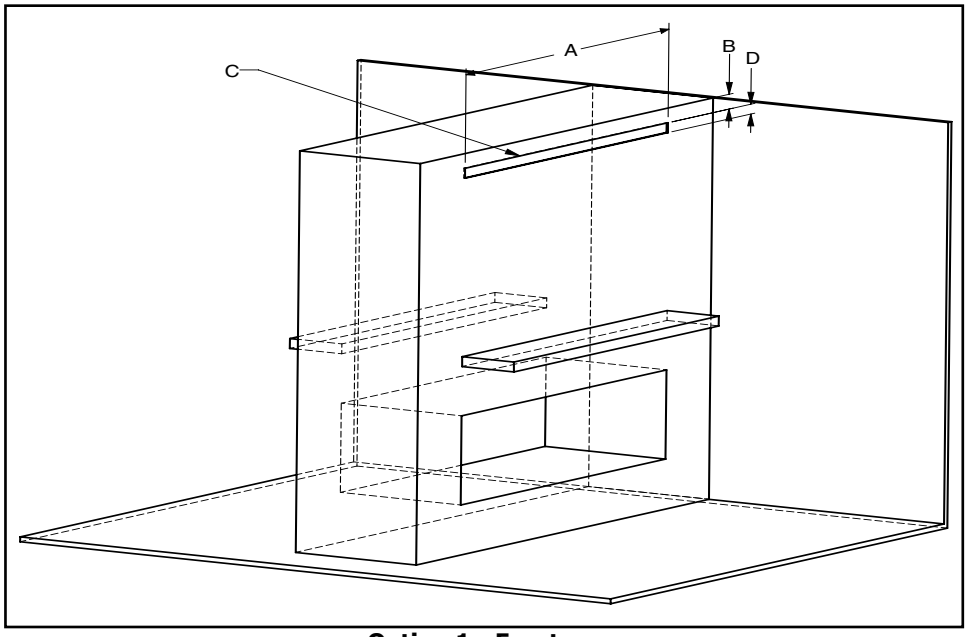


Side view

Flush Installation Examples (Ventilation Openings)

IMPORTANT

- **When creating any type of ventilation opening, measures should be taken to prevent objects falling or being thrown into the ventilation opening. Mesh screen, louvers, or other protection should be used.**
- **If the ventilation openings are placed in two rooms (two different pressure zones), the ventilation openings must have equally split air openings to balance air flow.**



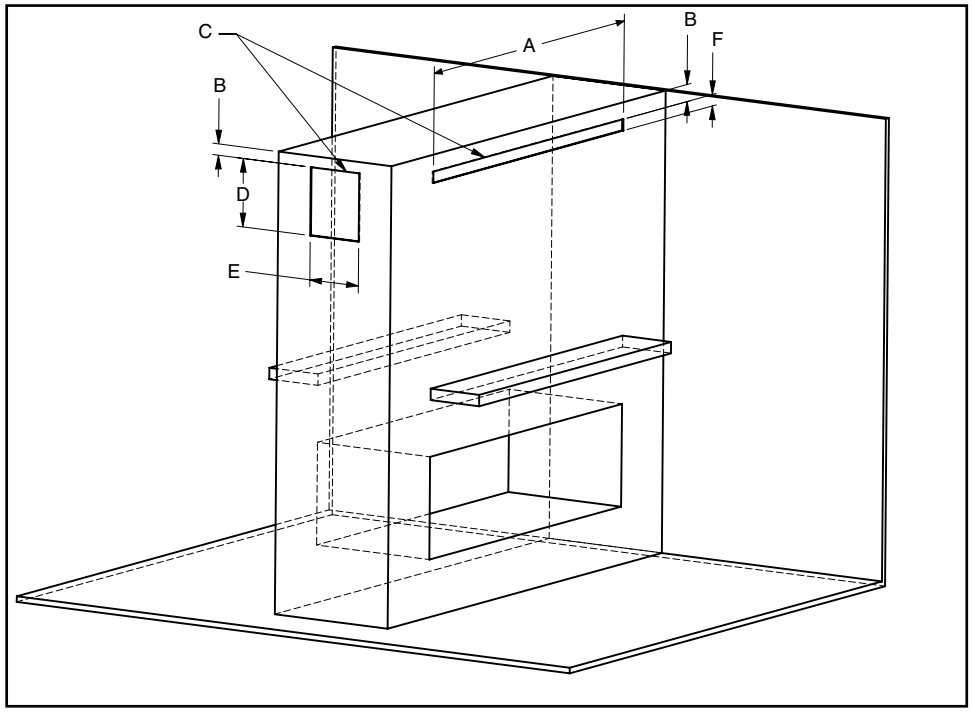
A	10" (254 mm) min.
B	2" (51 mm) max.
C	120 sq in min.
D	1-1/2" (38 mm) min.

Option 1 - Front

Shown with ventilation openings on the front to meet the minimum requirement of 120 sq. in.

Chase vent opening **MUST** be a minimum of 120 sq in with a minimum opening width at least 10" (254 mm) and a minimum opening height of 1-1/2" (38 mm).

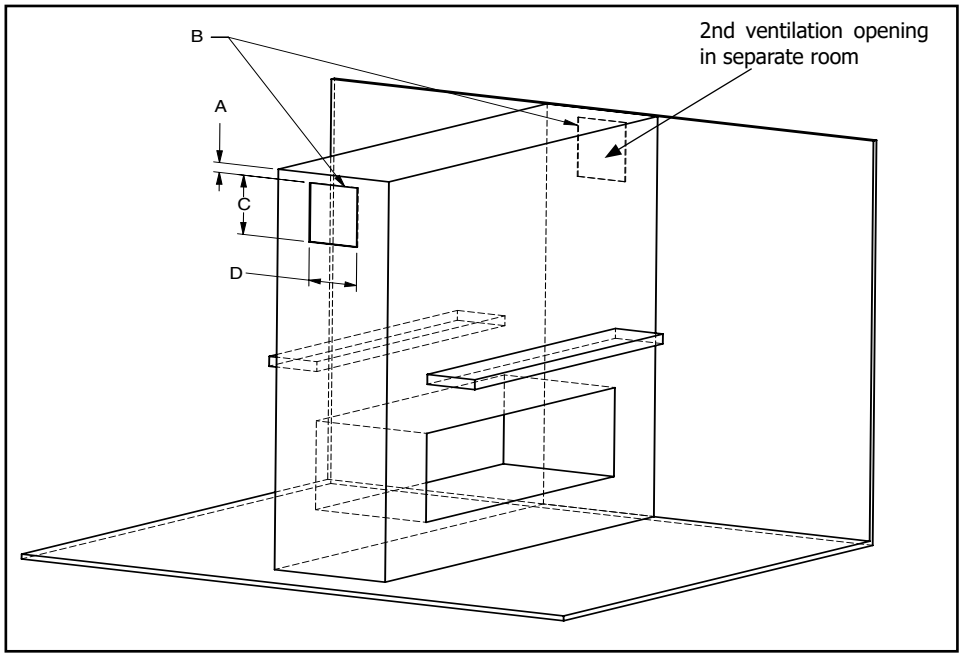
Example 1: If the chase vent opening was 10" (254 mm) wide, the height must be 12" (305 mm) minimum in order to equal 120 sq in.
Example 2: If the chase vent opening was 1-1/2"(38 mm) high, the width must be a minimum of 80" (2032 mm) order to equal 120 sq in.



A	10" (254 mm) min.
B	2" (51 mm) max.
C	120 sq. in. min.
D	4" (102 mm) min.
E	10" (254 mm) min.
F	1-1/2" (38 mm) min.

Option 2 - Front/Side

Shown with ventilation openings on side and front (60 sq. in. each) to meet the minimum requirement of 120 sq. in.

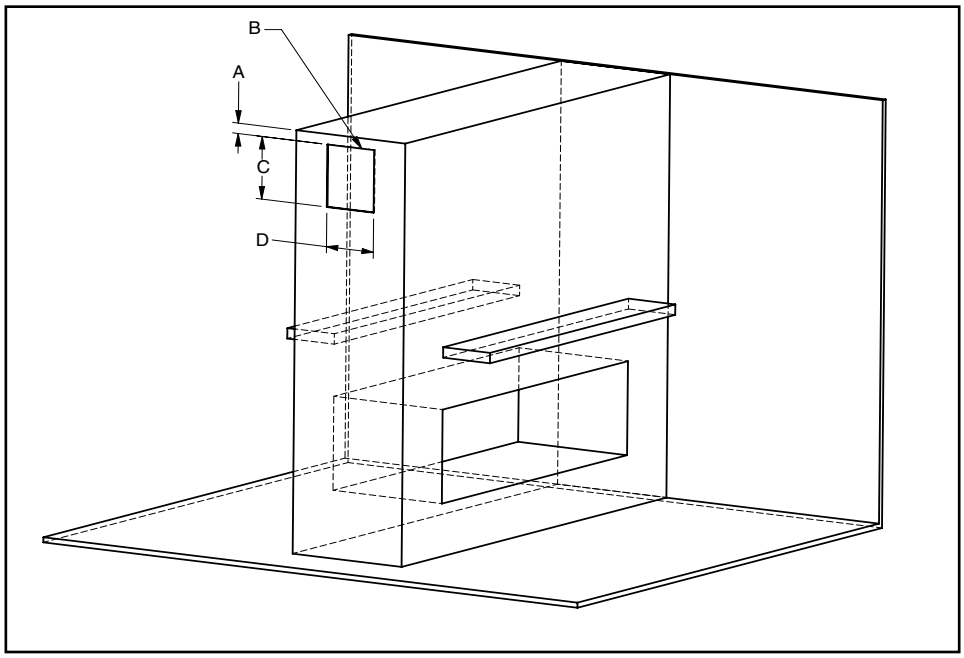


A	2" (0 - 51 mm) max.
B	120 sq. in. min.
C	4" (102 mm) min.
D	10" (254 mm) min.

Option 3 - Both Sides

Shown with ventilation openings on both sides (60 sq. in. each) to meet the minimum requirement of 120 sq. in.

When ventilation openings are on both sides with the second opening in another room (two different pressure zones), ventilation openings must be the same size to balance air flow.

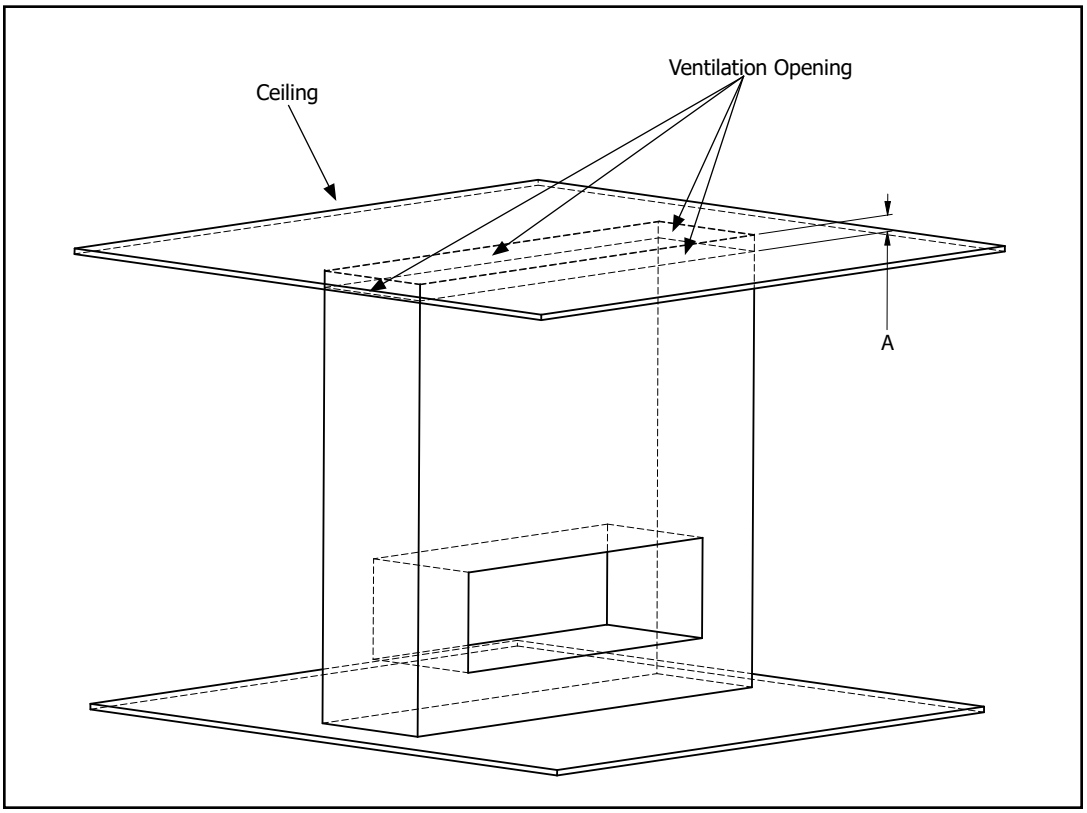


A	2" (51 mm) max.
B	120 sq. in. min.
C	4" (102 mm) min.
D	10" (254 mm) min.

Option 4 - One Side

Shown with ventilation opening on one side to meet the minimum requirement of 120 sq. in.

Example: If the chase vent opening was 1-3/4" (44 mm) minimum in height, the minimum width must be 68-3/4" (1746 mm) in order to equal 120 sq in.



A	1-3/4" (44 mm) min.

Option 5 - Reveal at Top

Shown with ventilation opening at top of enclosure to meet the minimum requirement of 120 sq. in.
A minimum gap of 1-3/4" (44 mm) between the top of the enclosure and the ceiling is required with this type of ventilation opening, to equal the minimum requirement of 120 sq. in.
Example : If the chase vent opening was 1-3/4" (44 mm) minimum in height, the minimum width must be 68-3/4" (1746 mm) in order to equal 120 sq in.

Clearances - Bench Installation

The clearances listed below are minimum requirements for either side of this see-through fireplace, unless otherwise noted.

A major cause of chimney-related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that

NOTE
- Bench installation is when the chase enclosure height is at a minimum of 52" (1321 mm) to a maximum of 81-1/4" (2064 mm). If the bench installation is completed at the minimum height, a shelf, counter top, or other finsh can be installed.

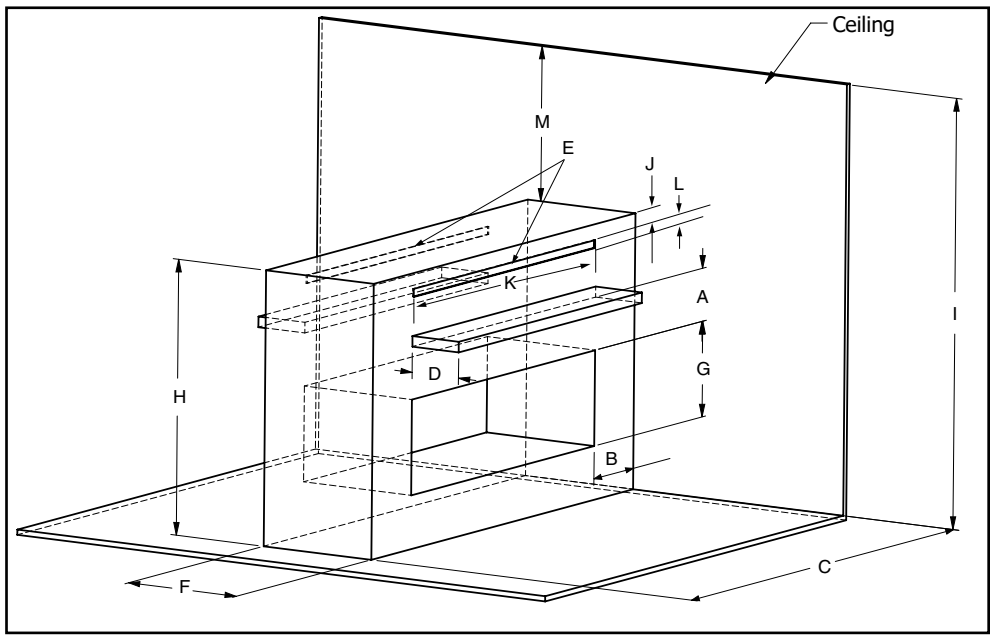
Clearance	Dimension	Measured From:
A: Mantel height (min.)	**	Top of fireplace opening
B: Sidewall (on one side) min.	6" (154 mm)	Side of fireplace opening
C: Enclosure inside cavity width (min.)	71-3/4" (1822 mm)	Side wall
D: Mantel depth (max.)	**	
E: Convection air outlet (min.)	175 sq. in.	Top, front of enclosure
F: Framing depth (min.)	22-1/4" (565 mm)	From back wall to chase front
G: Opening height	18" (457 mm)	Bottom/top of fireplace opening
H: Chase enclosure (min.)	52" (1321 mm) to 81-1/4" (2064 mm) max.	From base of unit/floor to underside of enclosure top
I: Ceiling height (min.)	81-1/4" (2064 mm)	Measured from base of appliance
J: Convection air outlet opening offset (max.)	2" (51 mm)	Max offset from top of chase enclosure
K: Convection air outlet opening width (min.)	10" (254 mm)	
L : Convection air outlet opening height (min.)	1-3/4" (44 mm)	
M: Ceiling clearance (min.)	3" (76 mm)	Top convection air outlet only
N: Clearance to sprinkler head	36" (914 mm)	Perpendicular from chase grill
Hearth	0"	No hearth required
** See mantel clearances chart in the manual.		
* For clearances greater than 81-1/4" (2064 mm), see flush installation clearances in this manual. The size of the ventilation opening is reduced from 175 sq. in. to 120 sq. in.		

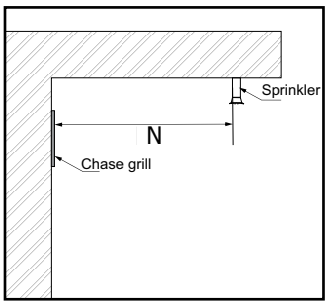
*A minimum of 175 sq. in. of open area, not lower than 0-2" (51 mm) from top of enclosure, is required for all installations.

Flue Clearances to Combustibles	
Horizontal - Top	3" (76 mm)
Horizontal - Side	2" (51 mm)
Horizontal - Bottom	2" (51 mm)
Vertical	2" (51 mm)
Passing through wall/ floor/ceiling - when firestop is used.	1-1/2" (38 mm)

NOTES
This appliance uses 5" x 8" (127 mm x 203 mm) venting for non power vent applications. For power vent applications, vent pipe must be reduced to **4" x 6 5/8" (102 mm x 168 mm).**

CAUTION
- **EXTREME RISK OF FIRE if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system are installed in accordance with the instructions in this manual.**
- **The top, back, and sides of the fireplace are defined by standoffs. The metal ends of the standoff may <u>NOT</u> be recessed into combustible construction.**



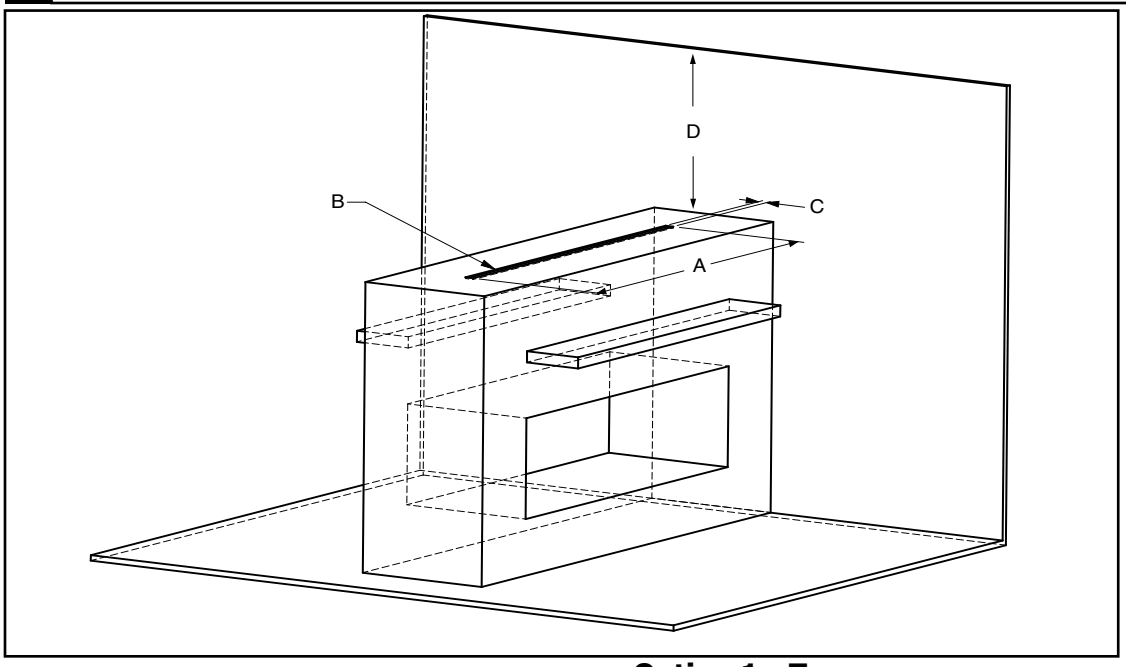


Side view

Bench Installation Examples (Ventilation Openings)

IMPORTANT

- **When creating any type of ventilation opening, measures should be taken to prevent objects falling or being thrown into it. Mesh screen, louvers, or other protection should be used.**
- ****If the ventilation openings are placed in two rooms (two different pressure zones), the ventilation openings must have equally split air openings to balance air flow.**

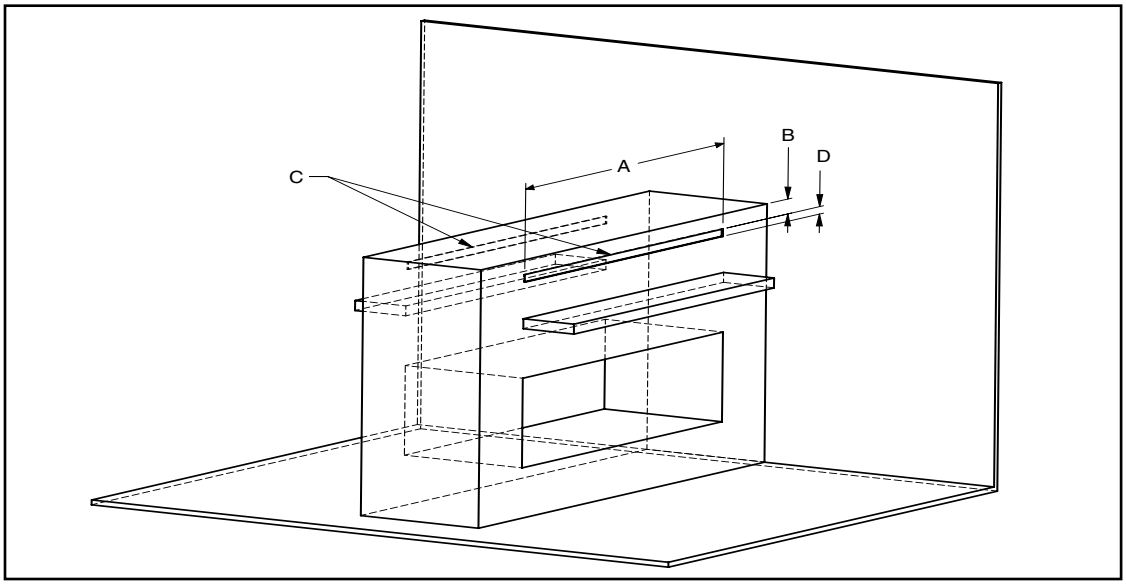


A	10" (254 mm) min.
B	175 sq. in. min.
C	1-3/4" (44 mm) min.
D	3" (77 mm) min.

Option 1 - Top

Shown with ventilation opening on top of the enclosure to meet the minimum requirement of 175 sq. in.
Chase vent opening **MUST** be a minimum of 175 sq. in. with a minimum opening width at least 10"(254 mm)and a minimum opening height of 1-1/2"(38 mm).

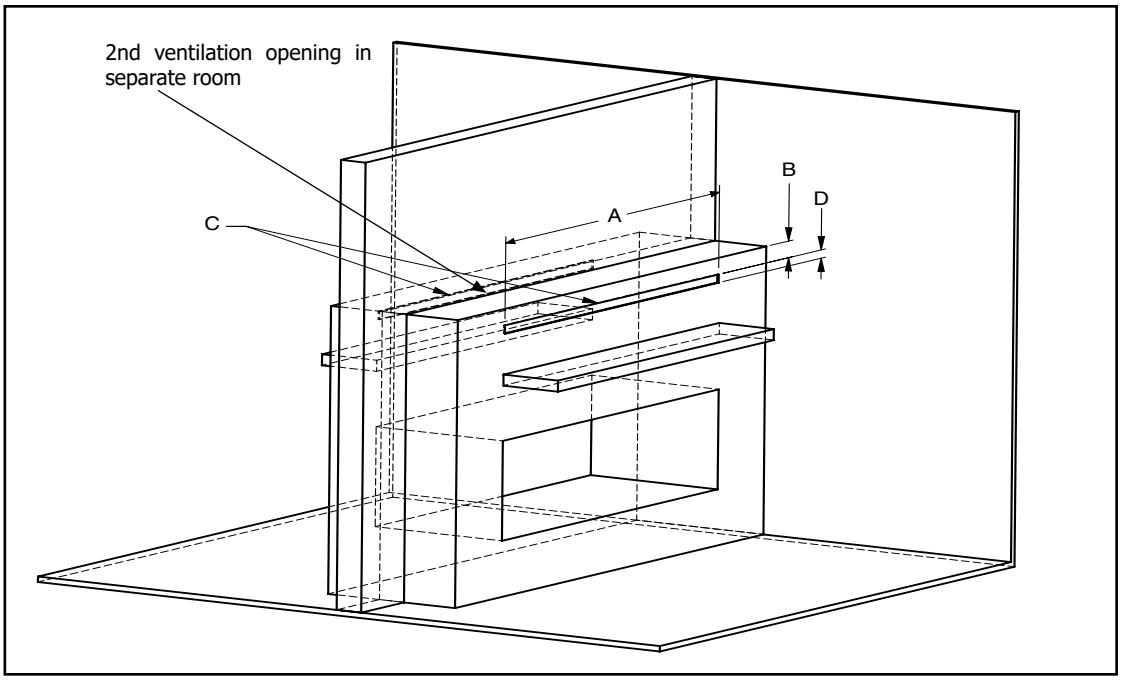
Example 1: If the chase vent opening was 10" (254 mm) wide, the height must be 17-1/2" (445 mm) minimum in order to equal 175 sq in.
Example 2: If the chase vent opening was 1-3/4" (44 mm) high, the width must be 100" (2540 mm) minimum in order to equal 175 sq in.



A	10" (254 mm) min
B	2" (51 mm) max.
C	87.5 sq. in. front and back
D	1-3/4" (44 mm) min.

Option 2 - Front and Back

Shown with ventilation openings on the front and back (87.5 sq. in. each) of the enclosure to meet the minimum requirement of 175 sq. in.
Chase vent opening **MUST** be a minimum of 87.5 sq. in. with a minimum opening width at least 10" (254 mm) and a minimum opening height of 1-3/4" (44 mm) for each ventilation opening.
Example 1: If each chase vent opening was 10" (254 mm) as the width, the height must be 8-3/4" (222 mm) order to equal 87.5 sq in. per ventilation opening
Example 2: If each chase vent opening was 1-3/4" (44 mm) as the height, the width must be at least 50" (1270 mm) order to equal 87.5 sq in. per ventilation opening.

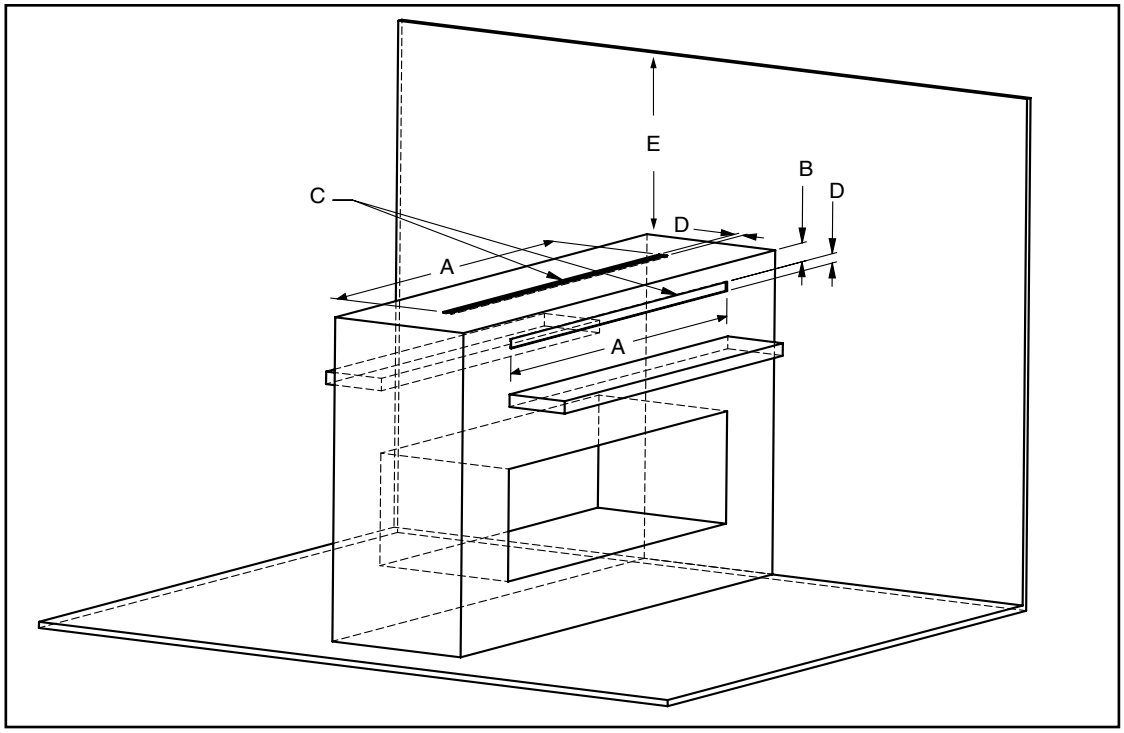


A	10" (254 mm) min
B	2" (51 mm) max.
C	87.5 sq. in. front and back
D	1-3/4" (44 mm) min.

****Option 3 - Front/Back Wall with second ventilation in separate room**

Shown with ventilation opening on front and back (87.5 sq. in. each) to meet the minimum requirement of 175 sq. in.

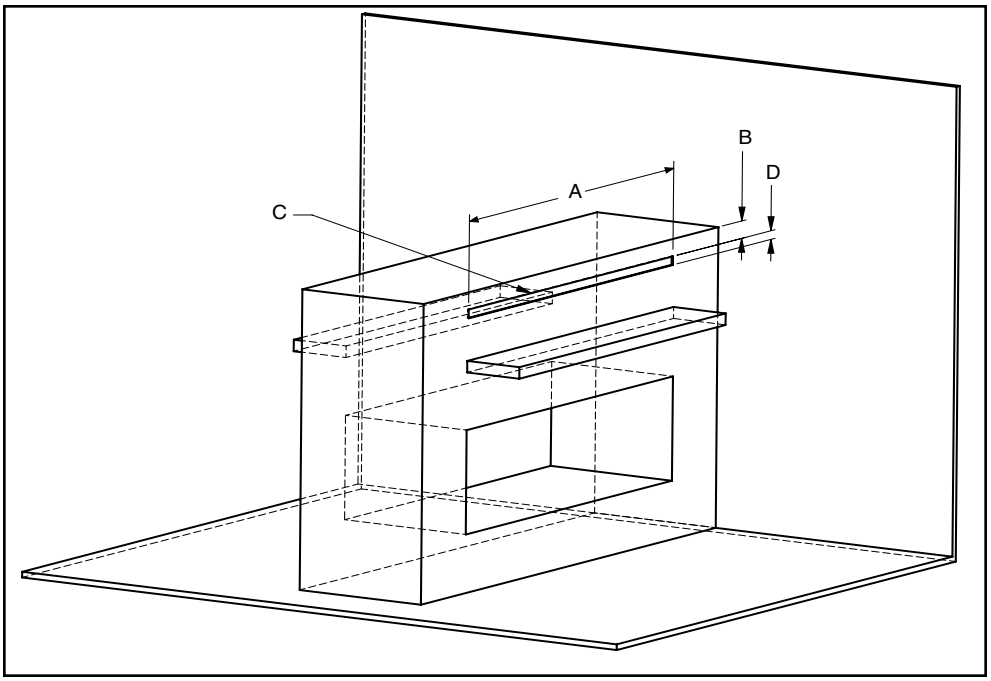
When on the front and back with second ventilation located in another room (two different pressure zones), ventilation openings must be the same size and have equally split air openings to balance air flow.



A	10" (254 mm) min.
B	2" (51 mm) min.
C	175 sq. in min.
D	1-3/4" (44 mm) min.
E	3" (77 mm) min.

Option 4 - Top and Front

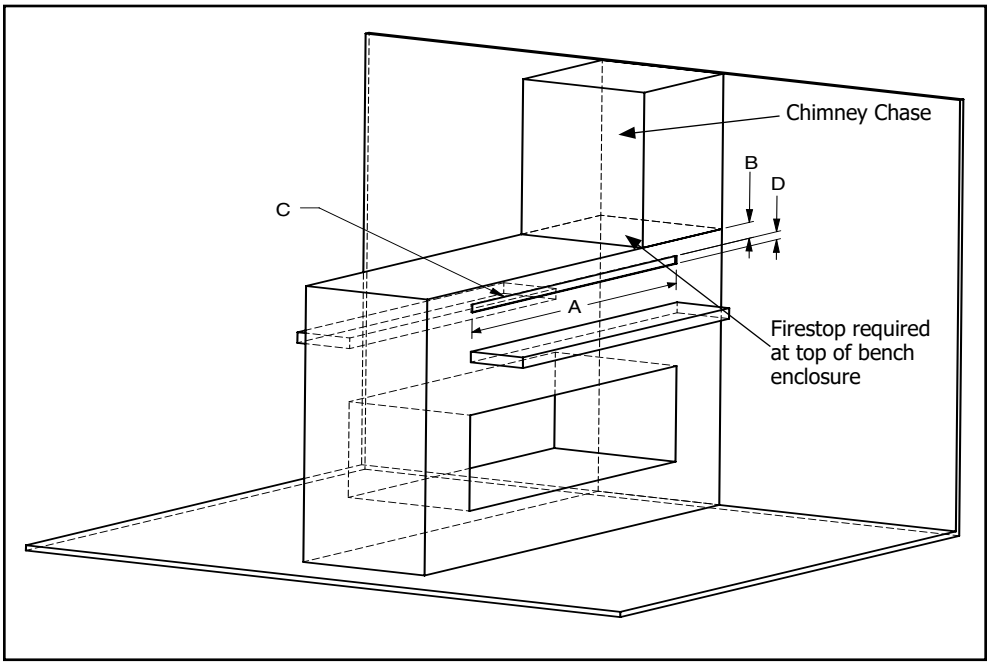
Shown with ventilation opening on top and front (87.5 sq. in. each) to meet the minimum requirement of 175 sq. in.



A	10" (254 mm) min.
B	2" (51 mm) min.
C	175 sq. in min.
D	1-3/4" (44 mm) min.

Option 5 - Front

Shown with ventilation opening on the front to meet the minimum requirement of 175 sq. in.



A	10" (254 mm) min.
B	2" (51 mm) min.
C	175 sq. in min.
D	1-3/4" (44 mm) min.

Option 6 - Chimney Chase

Shown with ventilation opening on the front with a chimney chase to meet the minimum requirement of 175 sq. in.

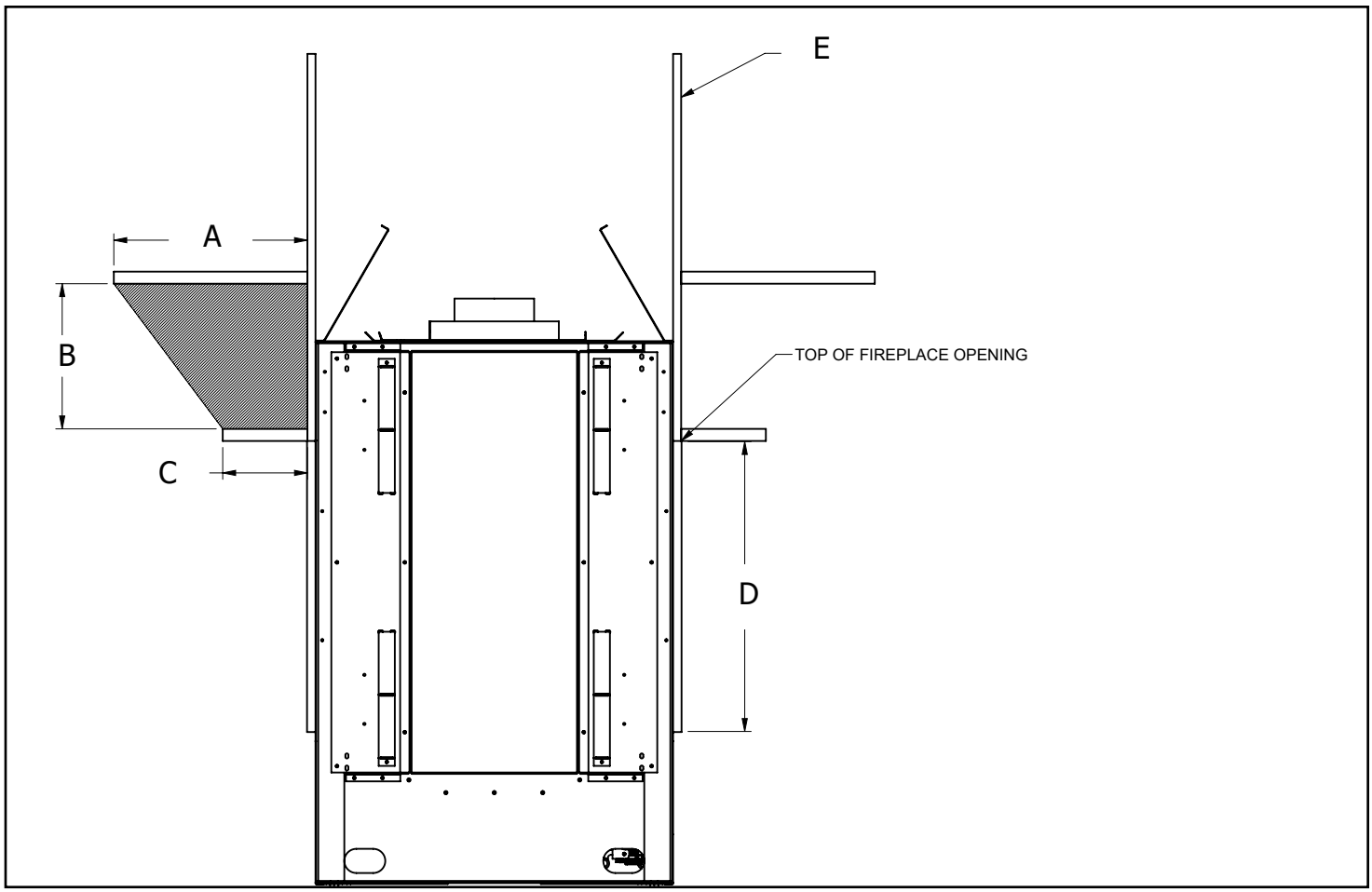
IMPORTANT

The chimney chase must be sealed with a firestop to prevent heat from escaping into the chimney chase enclosure. All heat must exit through the ventilation openings.

Mantel Clearances

Combustible mantel clearances from top of front facing are shown in the diagram below.

The clearances listed below are minimum requirements for either side of this see-through fireplace, unless otherwise noted.

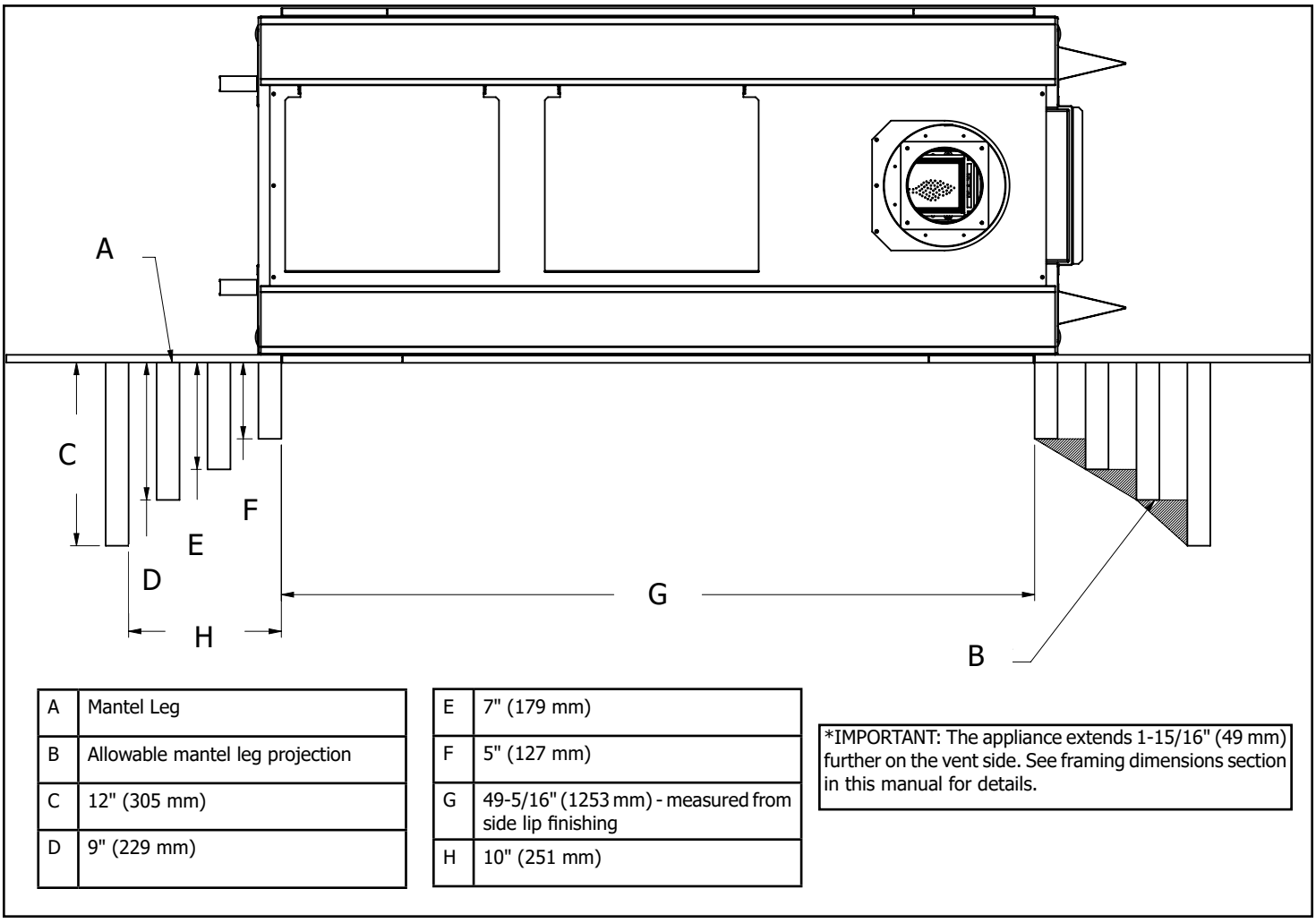


A	12" (305 mm) maximum
B	9" (229 mm)
C	5-1/4" (133 mm) maximum
D	18" (457 mm)
E	1/2" Drywall, wood, wood panel, etc.

Mantel Leg Clearances

Combustible mantel leg clearances as per diagram.

The clearances listed below are minimum requirements for either side of this see-through fireplace, unless otherwise noted.



A	Mantel Leg
B	Allowable mantel leg projection
C	12" (305 mm)
D	9" (229 mm)

E	7" (179 mm)
F	5" (127 mm)
G	49-5/16" (1253 mm) - measured from side lip finishing
H	10" (251 mm)

*IMPORTANT: The appliance extends 1-15/16" (49 mm) further on the vent side. See framing dimensions section in this manual for details.

Framing Dimensions

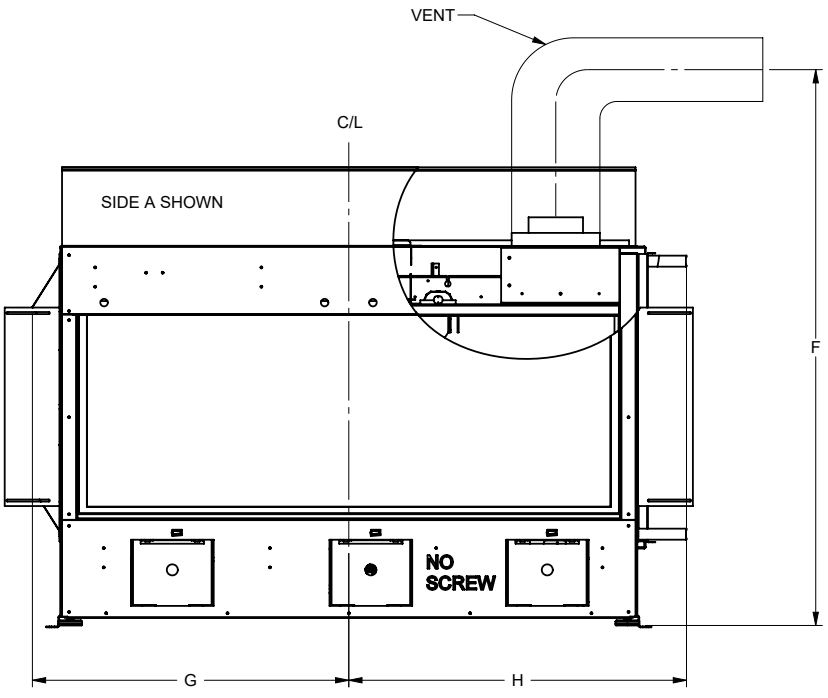
NOTE: Framing may be constructed of combustible material (i.e. 2 x 4 or 2 x 6) and does not require steel studs.

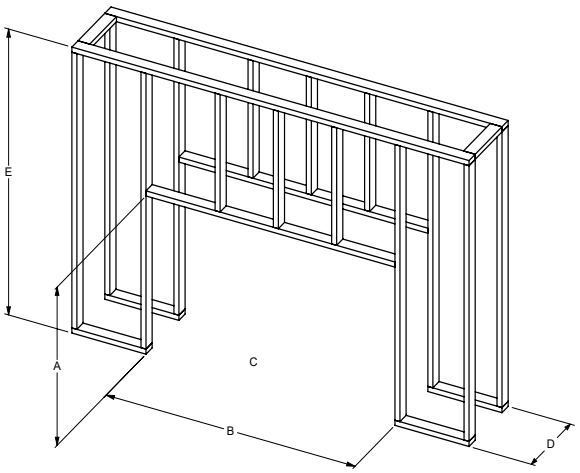
Framing Dimensions	Description	CST50E
A	Framing height	For 2" x 4": 45-1/8" (1146 mm) For 2" x 6": 52" (1321 mm)
B*	Framing width	59-5/16" (1507 mm)
C	Finished floor or hearth	
D	Framing depth	22-1/4" (565 mm)
E	Minimum height to combustibles	BENCH: 52" (1321 mm) FLUSH: 81-1/4" (2064 mm)
F	Minimum height to flue centerline measured from base of appliance	45-3/4" (1162 mm)
G**	Centerline of appliance to stand off (Non vent side)	28-11/16" (729 mm)
H**	Centerline of appliance to stand off (Vent side)	30-5/8" (778 mm)

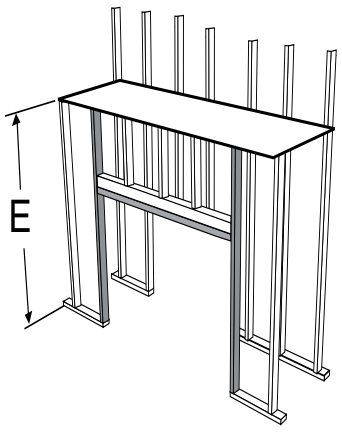
*The lift handles add approximately 4 inches to the width of the appliance. If the appliance will be lifted off the ground and slid into the framed opening, we suggest changing the framing width from 59-5/16" (1507 mm) to 67-5/16" (1709 mm) to allow the appliance to slide into position with the handles on, or creating a platform in front of the framed opening where the lift handles can be removed prior to installation. If the framing is raised off the ground, you can install it after the appliance is in place with handles removed to maintain the framing width of 59-5/16" (1507 mm). Ensure that the wood base for the appliance is strong enough to support its shipping weight of 442 pounds (200 kg).
**IMPORTANT: The appliance extends 1-15/16" (49 mm) further on the vent side. See reference dimensions G & H. If trying to center the appliance in a room add 1-15/16" (49 mm) of framing width to the non vent side when framing this in. Do not however change dimension (B) as the opening width remains the same.

NOTES

- Framing may be constructed of combustible material (i.e. 2 x 4 or 2 x 6) and does not require steel studs.
- This appliance must be installed on a solid surface such as a plywood floor which must be the full width and depth of the appliance.
- A combined minimum of 175 sq. in. of open area for the bench installation and 120 square inches for the flush installation is required for the convection air outlet to cool the enclosure. Ensure clearances for convection air outlets are met.
- See clearances in this manual for different ways to achieve this.

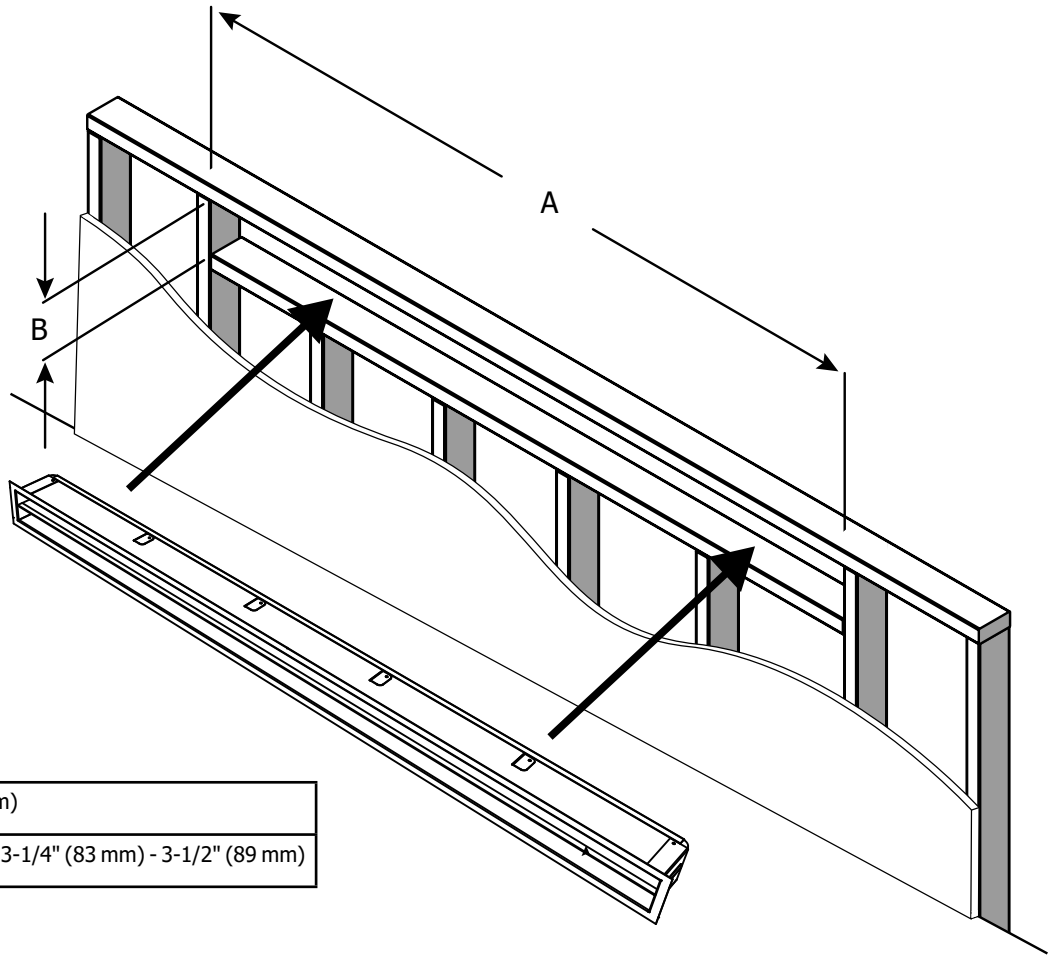




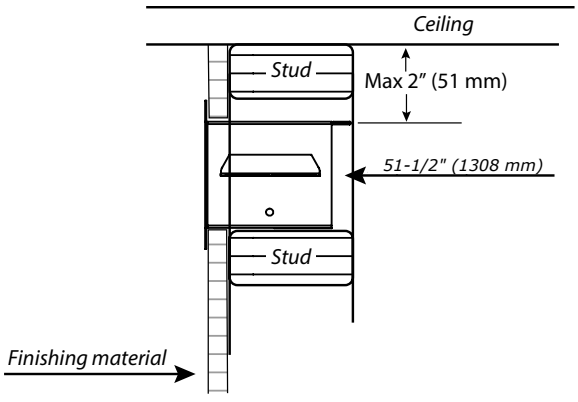


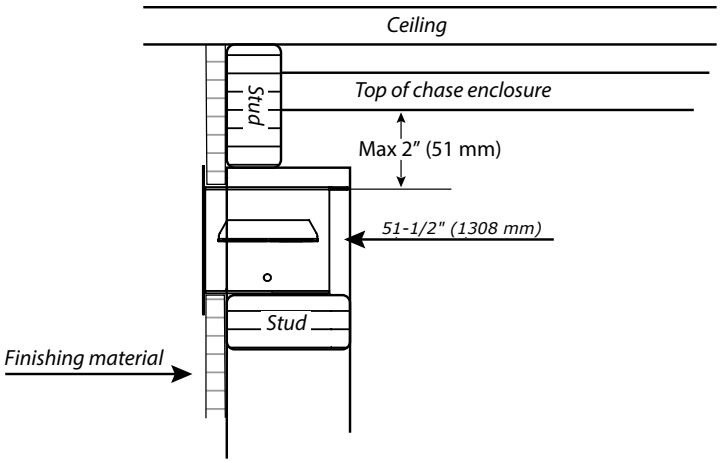
Chase Vent Installation (White Front) (Part # 482-991)

NOTE
- This chase vent is only used when accommodating a 175 sq. in. ventilation opening.



A	51-1/2" (1308 mm)
B	Opening for vent: 3-1/4" (83 mm) - 3-1/2" (89 mm)





Wall Board/Drywall Installation

Finishing Instructions

It is important to follow the framing and finishing instructions in this manual to ensure proper placement of the fireplace in the surrounding materials. Wall board materials 1/2 in. (13 mm) thick are specified in this manual to align with the optional finishing methods offered with this appliance. The CST50E may be finished to the appliance opening with 1/2 inch (13 mm) thick drywall.

• Ensure that the back and side clearances are maintained.

WARNING

- **Risk of Fire!**
- **Maintain specified air space clearances to combustibles. Inadequate air space could cause overheating and fire.**
- **DO NOT use screws more than 1/2 inch (13 mm) in length on the lower access cover panel. Longer screws may penetrate the gas line or damage valve or electrical components.**
- **DO NOT apply combustible materials beyond the minimum clearances. Comply with all minimum clearances to combustibles specified in this manual. Overlapping materials could ignite and will interfere with proper operation.**

NOTE

- It is acceptable to use a high temperature silicone sealant to adhere drywall to the lower access cover panel.

The appliance is designed for use with minimum 1/2 in. (13 mm) wall sheathing such as drywall, plywood, wood composites, or non-combustible materials. Thicker materials may be used; refer to facing and finishing details in this manual.

FACING MATERIAL

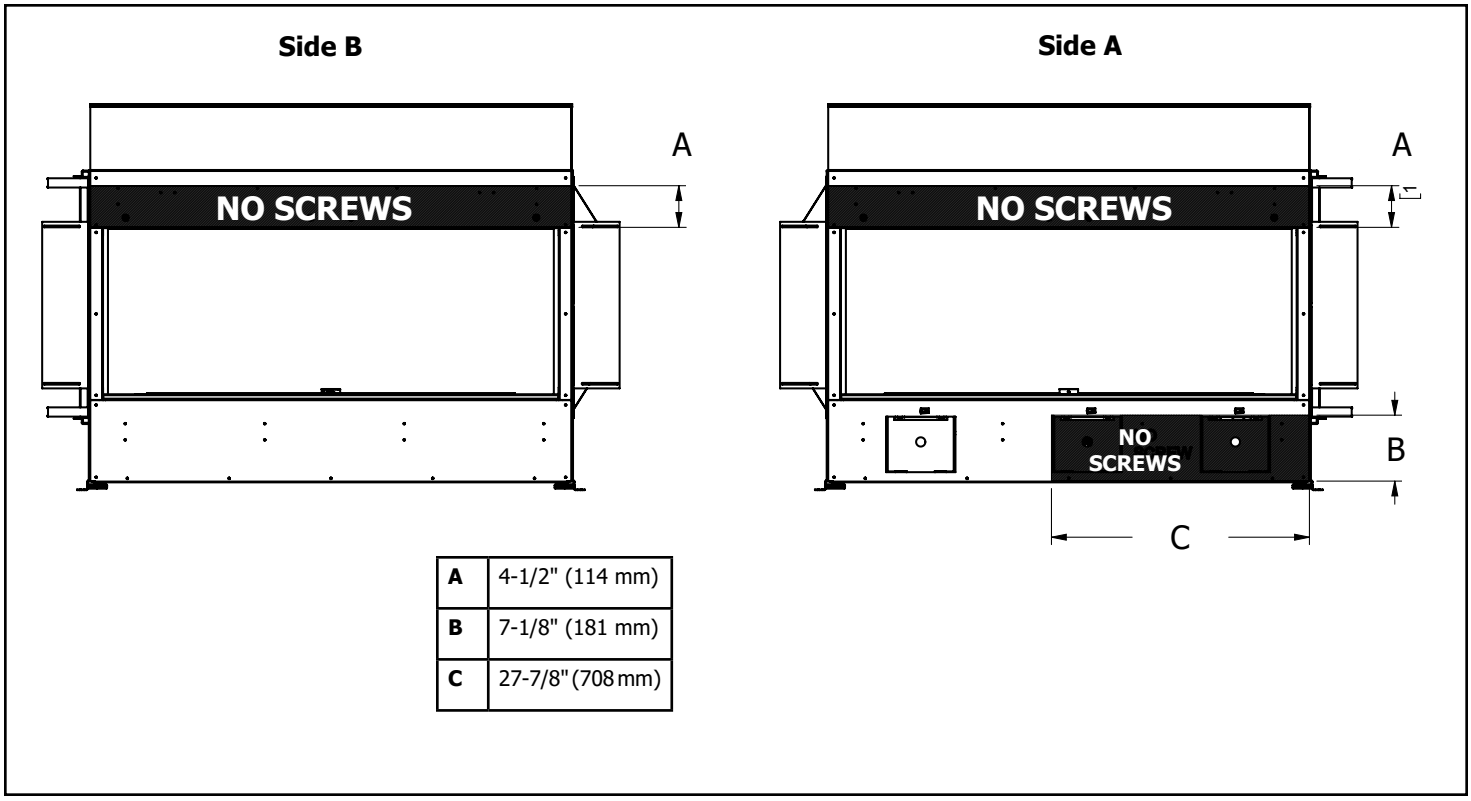
• Facing and/or finishing materials must never overhang the glass opening. See finishing details in this manual.
• Facing materials may be combustible or non-combustible.

PAINTING

If desired finishing includes a painted wall, 100% acrylic latex, oil-based, or standard acrylic paints may be used. Follow paint manufacturer's instructions for paint and primer application.

No Screw Zones

No screw zones (in shaded areas) as shown below must be adhered to.



A	4-1/2" (114 mm)
B	7-1/8" (181 mm)
C	27-7/8" (708 mm)

Framing and Finishing Inset Installations

1. Frame the enclosure for the unit with framing material.

> **NOTE** When constructing the framed opening, ensure there is access to install the gas lines and electrical. Also, the wiring harness must be wall mounted using the receptacle provided with the appliance. The wiring harness is located on the right side of the appliance if facing it from the front. This must be done prior to any finishing.

2. For exterior walls, insulate the enclosure to the same degree as the rest of the house and apply vapour barrier and drywall, as per local installation codes. Do not insulate the fireplace itself.

> **WARNING** **Failure to insulate and add vapor barriers to the inside of the exterior wall will result in operational and performance problems including, but not limited to: excessive condensation on glass doors, poor flame package, carbon, blue flames, etc. These are not product related issues.**

3. One of the following methods must be used to prevent heat from escaping into the cavity of the enclosure:
   a. If choosing drywall, joints MUST be sealed using drywall tape and mud.
   b. Insulation, plywood, wood studs, etc. must be installed tightly with no gaps or seams.

   This appliance was designed with hot air escaping through the chase enclosure ventilation grills only. If hot air is trapped as a result of it escaping through joints, crevasses, open studs, or other openings within the enclosure, this will change the clearances within the enclosure, causing it to overheat. It is vital that all the hot air exits through the ventilation openings only. The ventilation grill must be a minimum of 120 sq. in. (flush installation) or 175 sq. in. (bench installation).

> **NOTE** In all applications, while there is zero clearance to combustibles to the unit, all clearances to combustibles from the venting inside the chase still apply. Please see venting clearances in the specific product manual.

4. Combustible material (drywall,wood,wood panels, etc.) may be brought up to the appliance (top, bottom, and sides)

5. Ensure that the material used does not encroach anywhere in the area of the glass. This causes dangerous operating conditions.

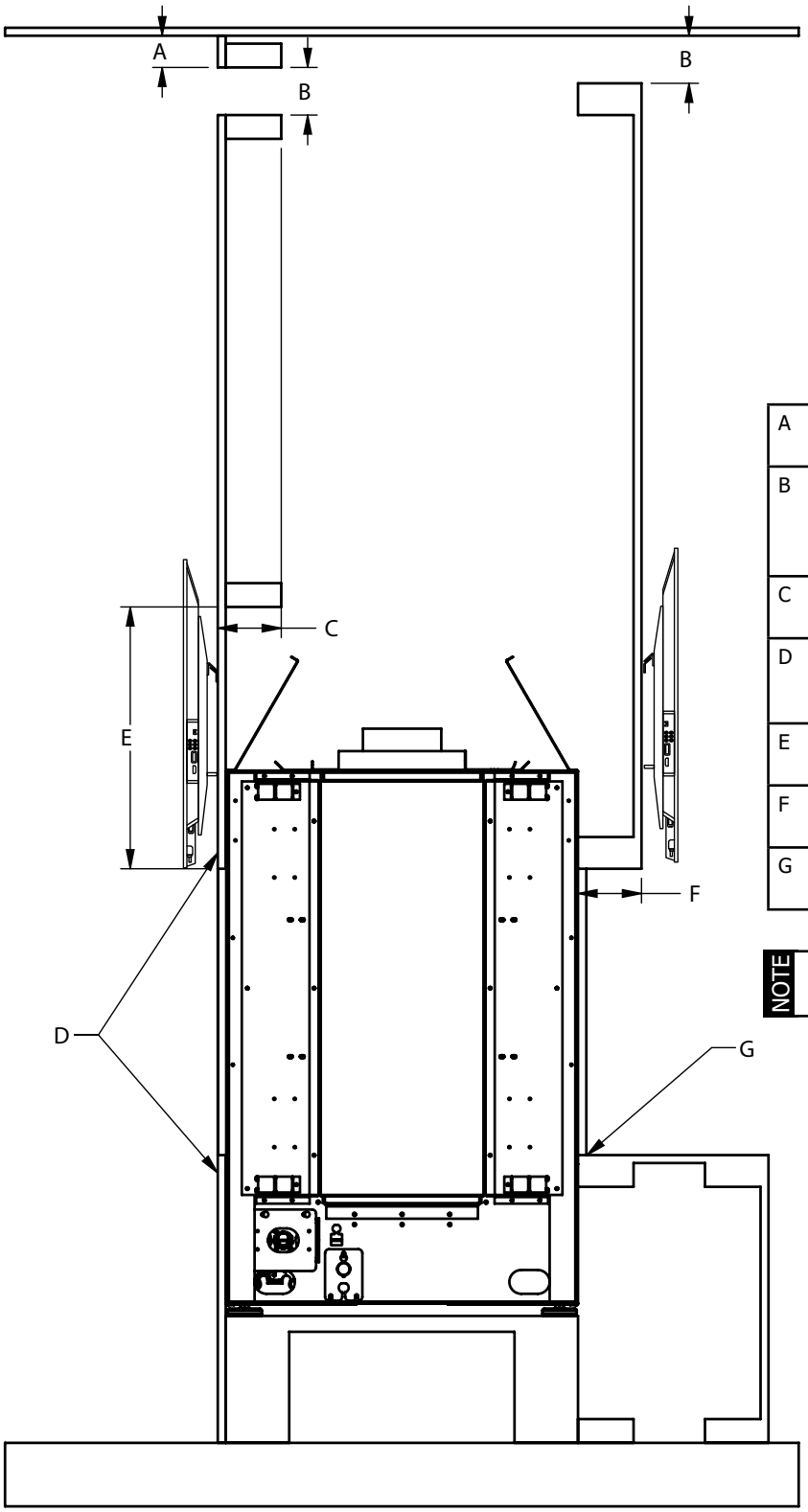
6. This appliance comes with a 1/2" (13 mm) lip at the top, sides, and bottom to hide the ends of the drywall. The 1/2" (13 mm) side and bottom lip supplied with the appliance can be replaced (see Diagram 1) with J style trim or metal corner bead purchased at your local hardware store to cover cut/exposed edges of the combustible facing material or any other finishing. Six screws secure the bottom lip — see Diagram 1. These are hidden - the outer panels will need to be removed to access them. See outer panel removal instructions in this manual.

7. This appliance can also be recessed (using combustible materials) with a hearth in front that can extend to the top. See manual for details.

> **NOTE** Combustible material may extend a minimum of 1/2" (13 mm) up to a maximum of 5-1/4" (133 mm) from the front top (with larger glass). See mantle clearance chart for details. The base and side (with smaller glass) have no limit on how far the combustible material extends from the appliance. Ensure that no material encroaches anywhere in the area of the glass as defined by the finishing lip surrounding the appliance.

Typical Installations - Flush TV Install

The clearances listed below are minimum requirements for either side of this see-through fireplace, unless otherwise noted.

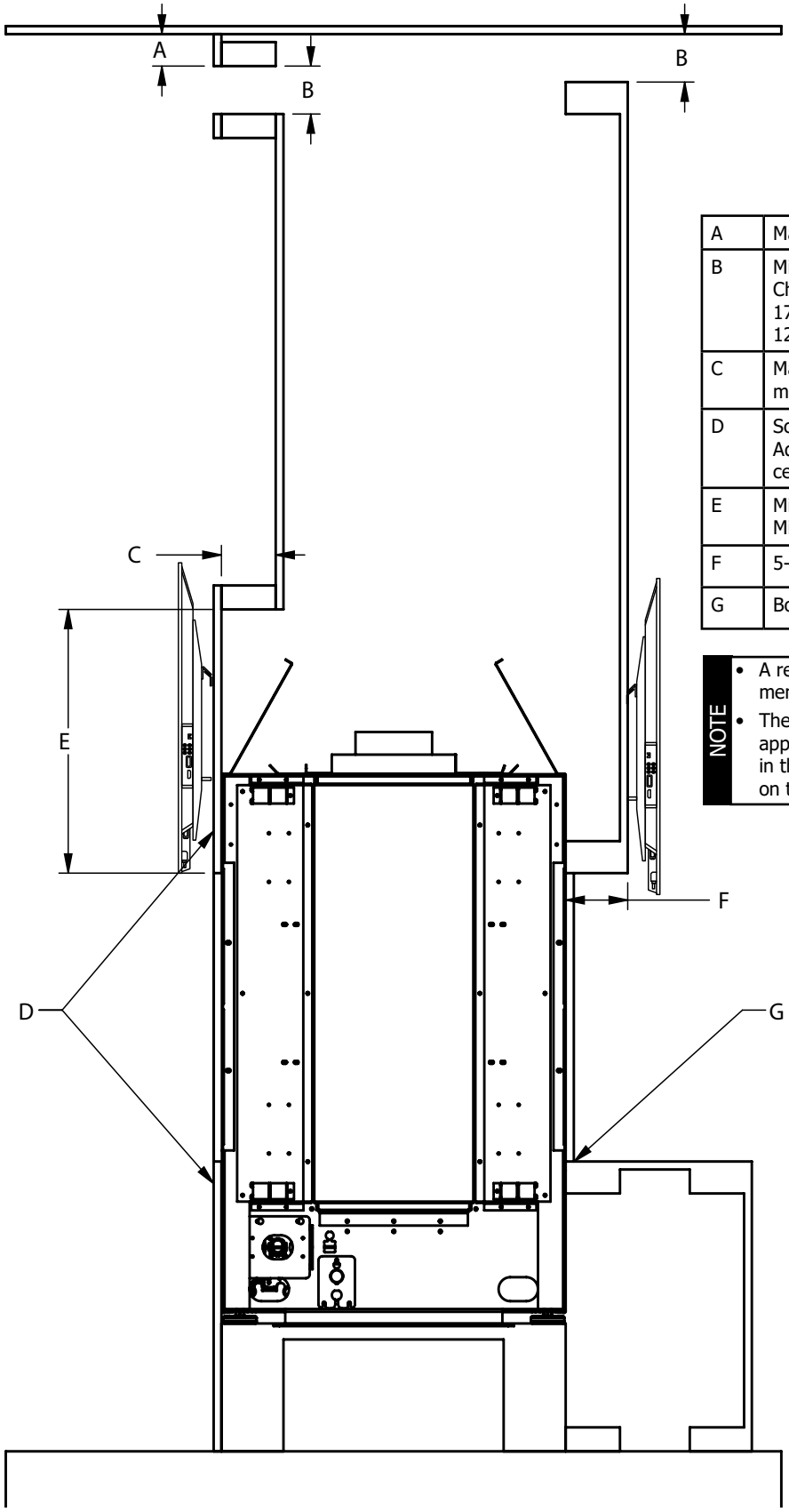


A	Max. 2" (51 mm) to top of enclosure
B	Min. 1-1/2" (38 mm) Chase vent min. open area: 175 sq. in. Bench Install 120 sq. in. Flush Install
C	Max. 5-1/2" (140 mm) (2 x 6 stud) See E for corresponding min. height requirements.
D	Screws must not penetrate unit more than 1/2" (25 mm). Adhere to "No Screw" zones painted on unit; glue is an acceptable alternative.
E	Min. 16-1/2" (419 mm) with 2 x 4 - dimension C Min. 23-3/8" (594 mm) with 2 x 6 diemnsion C
F	Maximum 5-1/4" (133 mm)
G	Bottom of fireplace opening - combustible hearth shown.

NOTE A recess may be used on both sides if the clearance requirements shown above are adhered to.

Typical Installations - Recessed TV Install

The clearances listed below are minimum requirements for either side of this see-through fireplace, unless otherwise noted.



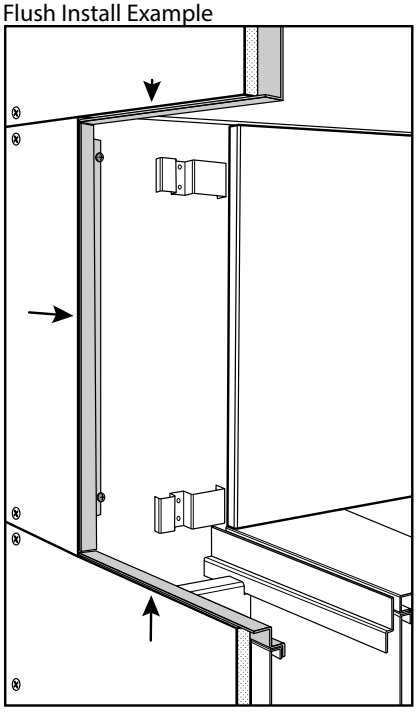
A	Max. 2" (51 mm) to top of enclosure
B	Min. 1-1/2" (38 mm) Chase vent min. open area: 175 sq. in. (bench Install) 120 sq. in. (fush Install)
C	Max.: 5-1/2" (140 mm) 2 x 6 stud. See E for corresponding min. height requirements.
D	Screws must not penetrate unit more than 1/2" (25 mm). Adhere to "No Screw" zones painted on unit. Glue is an acceptable alternative.
E	Min. 16-1/2" (419 mm) with 2 x 4 - dimension C Min. 23 3/8" (594 mm) with 2 x 6 - dimension C
F	5-1/4" (140 mm) maximum
G	Bottom of fireplace opening - combustible hearth shown.

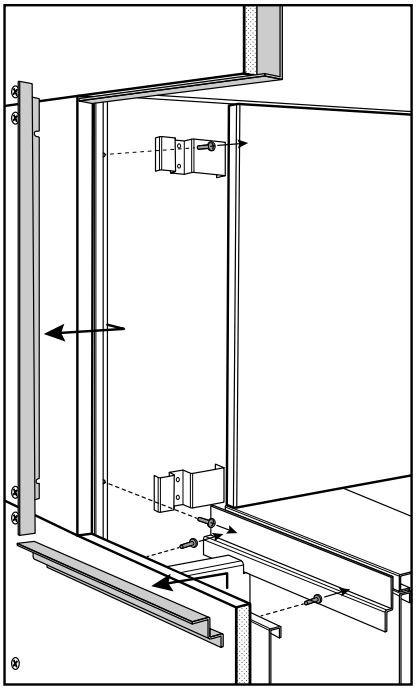
NOTE

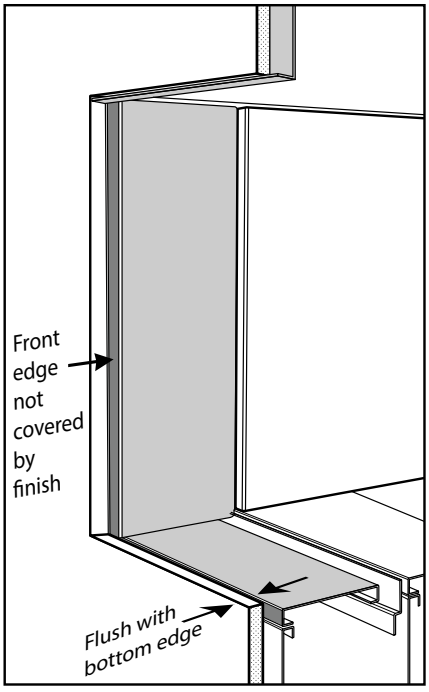
- A recess may be used on both sides if the clearance requirements shown above are adhered to.
- The TV mounting bracket cannot be secured directly to the appliance-it must be secured to the framing. The TV depicted in the image above may require a higher placing, depending on the style of the TV and the mounting bracket used.

Finishing

Flush Install Example





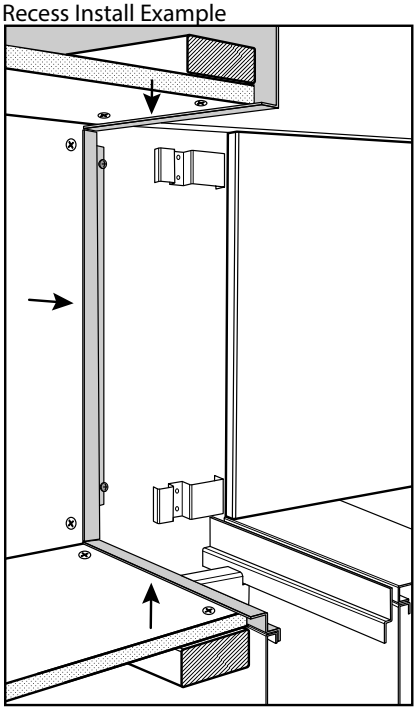


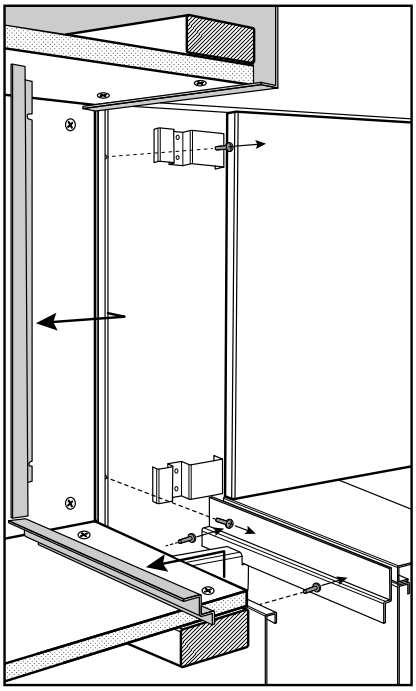
- Finish up to trim on all 4 sides

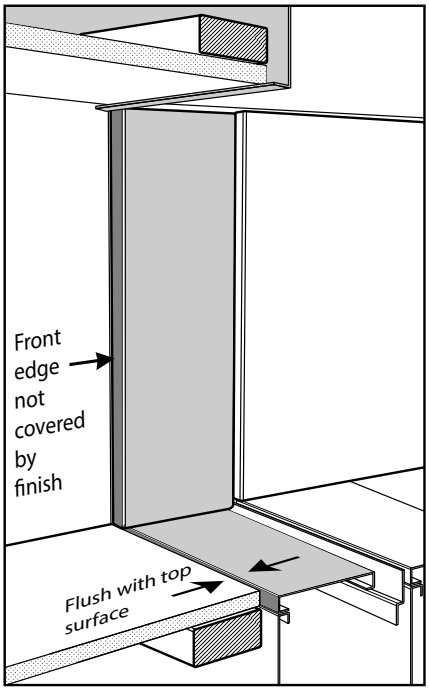
- Loosen screws using supplied Offset Screwdriver and remove bottom and side trim pieces

- Front edge of side liner panels must not be covered by finishing material or removal of the Firebox Glass will not be possible
- Bottom edge should be flush with top surface of Inner Liner Panel

Recess Install Example







Wall Mount On / Off Switch and Battery Holder Installation

Required for all installations

IMPORTANT

The battery holder must be placed inside the supplied (low voltage) junction type wall box and installed into the wall only.

DO NOT INSTALL WITHIN THE CONFINES OF THE FIREPLACE
SWITCH MUST BE ACCESSIBLE

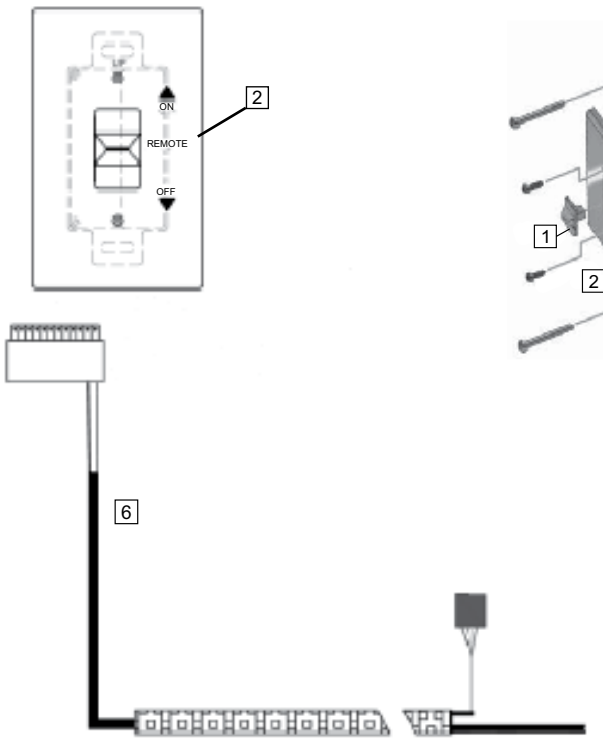
Battery Holder Installation

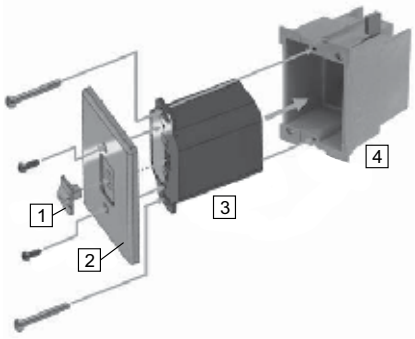
1. Install the low voltage junction box on the framing, at desired location within 12-1/2 ft. (3.8 m) of the fireplace.
2. Feed the 6 pin connector wiring harness through the opening at the back of the junction box. The wiring harness is located on the right side and must be installed prior to finishing.
3. Connect the 6 pin connector to the back of the battery holder.
4. Install the battery holder in the low voltage junction box.
5. Insert the 4 AA type batteries (optional) in the battery compartment with the correct polarity.

Note: Batteries are only required for non power vent model. Batteries are only a secondary power source if 120 VAC power is lost. Batteries should only be placed inside the compartment if there is no 120 VAC supplied to the appliance or 120VAC power has been lost within home.

6. Place the slider into the cover plate.
7. Put the battery holder switch in the "OFF" position to allow correct lineup for slider switch.
8. Make sure the battery holder and cover plate words "ON" and "UP" are on the same side.
9. Align the slider with the switch on the battery holder and couple the switch into the slider.
10. Align the screw holes.
11. Using the two (2) screws provided, secure the cover plate to the battery holder.
12. For coding instructions, see full details in this manual.

Proflame Battery Holder







Item	Part No.	Description
1	N/A	Slider Switch (included with wall plate)
2	911-335	Wall Plate - White
	911-343	Wall Plate - Black
3	911-337/P	Battery Holder
4	N/A	J-Box
5	910-369	Low Voltage Junction Box
6	911-181	Battery Holder Wire Harness

Proflame Wall Mount Transmitter

WALL MOUNTING

The Proflame remote control/transmitter is supplied with an adapter for wall mounting.Install the controller 59" (1.5m) above the floor level, well away from heat sources, kitchens, doors or windows.
Metalllic structures or radio interferences can reduce the operative distance of the device.
Make sure to attach the adapter in a level plane without any distortion. Proceed as follows:

- Detach the adapter from the body of the remote control (see Fig. A).
- Position the adapter on the wall, mark the points for the fixing holes and drill the wall.
- Fix the adapter on the wall using the mounting hardware supplied with the remote control.
- Insert the remote control onto the adapter as shown in Fig. B.



Fig. A: Detach the adapter from the body

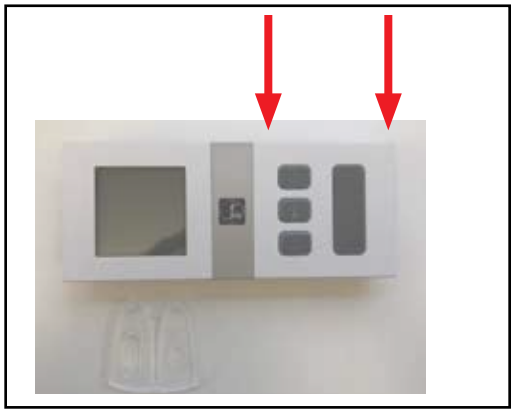


Fig. B: Adapter and remote control

LP Conversion Instructions

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

WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Conversion Kit 482-969 includes:		
1	911-191	Stepper Motor LP for 885 SIT
1	905-064	Orifice #52
1	910-037	Pilot Orifice #30
1	918-590	Decal - Conversion to LP
1	908-528	Label Propane
1	904-529	5/32" long Allen Key
1	920-708	Instruction Sheet

Caution: The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.

Always let the appliance cool to room temperature before servicing.

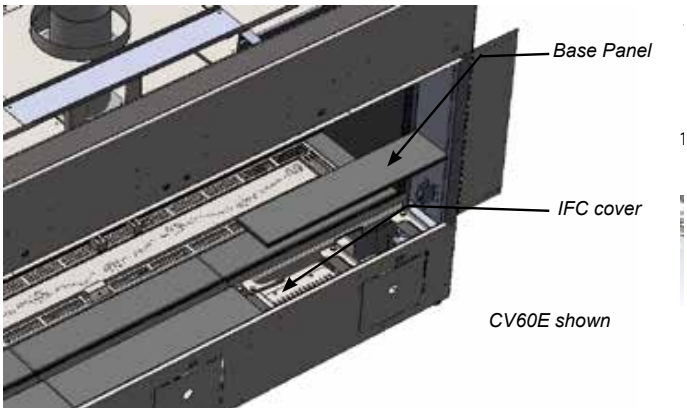
1 Remove the outer panels and safety glass — see manual.

2. Remove inner firebox glass — see manual.

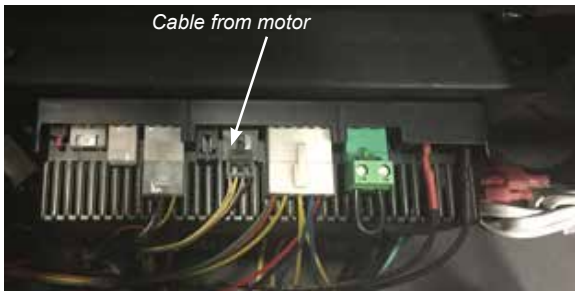
3. Remove inner panels — see manual.

4. Remove all media installed on burner (glass, logs or stones, etc).

5. Lift off the far right base panel and loosen 2 screws on IFC cover--removed cover to access IFC.



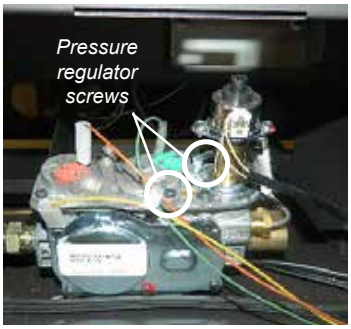
6. Disconnect the Cable coming from the Pressure Regulator Motor.

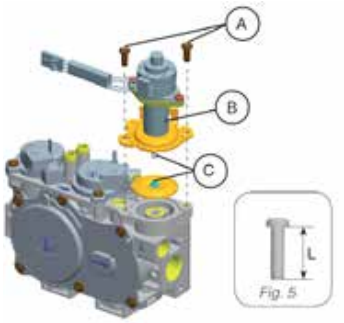


7. Remove and discard 2 Pressure regulator screws (A)using a (T20 or slot screwdriver,) Pressure Regulator (B) and Spring and Diaphragm (C) (see below).

8. Ensure the rubber gasket, which is prefitted as part of the Assembly, is properly positioned. Install the new Pressure Regulator using the 2x M4 x .7 screws supplied. Tighten the screws to 25lb-in. In the event that the screw threads are cross threaded or stripped, replace the valve assembly.

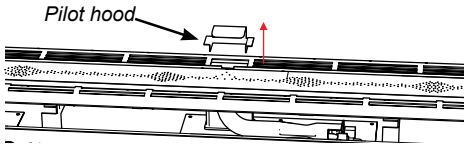
Install the enclosed propane identification label to the valve body where it can be easily seen.



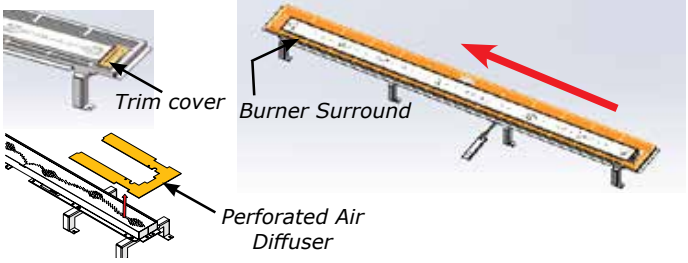


9. Re-attach the Pressure Regulator wire (disconnected in Step 6), and resituate the IFC, secure the screws that fasten the IFC Mounting Brackets.

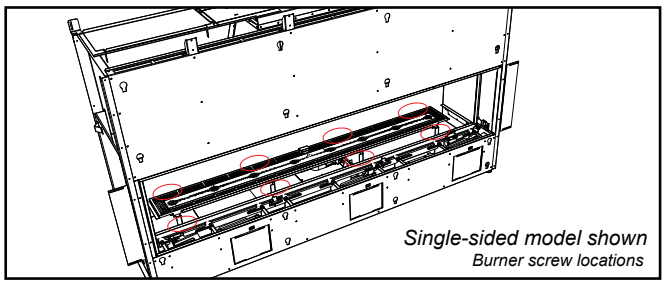
10. Remove pilot hood by lifting up and off.

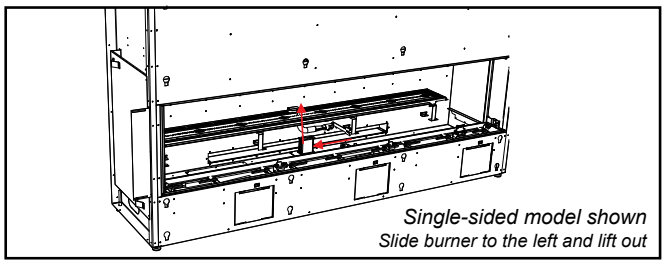


11. Remove the trim cover on right side of burner by lifting off. Also remove the burner surround by sliding to the left and lifting off. Also remove the perforated air diffuser on the right side of the burner.

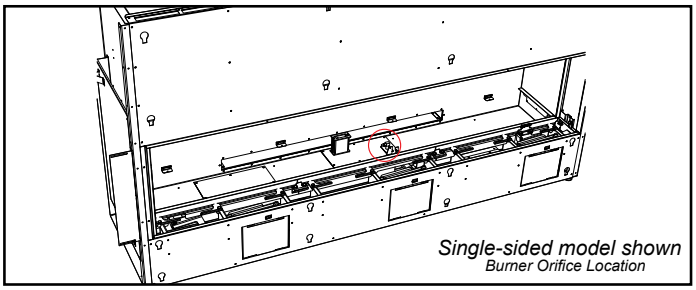


12. Loosen 8 screws in locations shown below (4 at front and 4 at rear)—slide burner to the left away from the orifice and lift out.





13. Remove burner orifice with a 3/8" wrench. Use another wrench to hold on to the elbow behind the orifice. Discard orifice. Reinstall new burner orifice LPG stamped #52 and tighten.



14. Remove pilot retainer clip with pliers and pull off the pilot cap to expose the pilot orifice.







15. Unscrew the pilot orifice with the Allen key; then replace with the LPG pilot orifice and the pilot cap, provided in the kit.

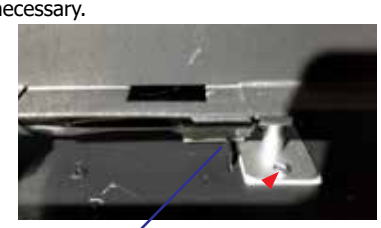


16. Reinstall pilot cap and pilot retainer clip.

17. Prior to installing burner—adjust aerations settings - to 3/8" for LP. Reinstall burner (see Step 11).

18. Make sure aeration cap tab is inserted into the slot on the bracket. Adjust aeration handle if necessary.







19. Reverse steps 1 to 11.

20. Ensure the pilot lilght is in the correct orientation to the burner. Reconnect the gas and electrical supplies. Start the appliance (see section on Lighting Instructions). Ensure that pilot and burner ignition are completed without delay. Check inlet and outlet pressures at full load. With a soapy solution, leak test the entire system. Verify correct flame and pilot appearance.

21. See Gas Pipe Pressure Testing in manual.

City Series LP SYSTEM DATA	
Min. Supply Pressure	11" WC (2.73kpa)
Manifold Pressure - High	10.5" WC (2.62 kpa)
Manifold Pressure - Low	2.9" WC (0.72 kpa)
Orifice Size	#52 DMS
Maximum Input	33,000 Btu/h (9.67 kW)
Minimum Input	17,000 Btu/h (4.98 kW)
Altitude	0-4500 ft (0-1372m)

Installer Notice:
These instructions must be left with the appliance.

NG System Data	
Max. Supply Pressure	14"WC (3.45 Kpa)
Min. Supply Pressure	5" WC (1.25 kpa)
Manifold Pressure	3.8" WC (0.87 kpa)
Orifice Size	#36 DMS
Maximum Input	35,000 Btu/h (10.25 kW)
Minimum Input	19,000 Btu/h (5.56 kW)

LP System Data	
Max. Supply Pressure	14"WC (3.45 Kpa)
Min. Supply Pressure	11" WC (2.73 kpa)
Manifold Pressure	10.5" WC (2.49 kpa)
Orifice Size	#52 DMS
Maximum Input	33,000 Btu/h (9.66 kW)
Minimum Input	17,000 Btu/h (4.98 KW)

High Elevation

This unit is approved for altitude 0 to 4500 ft. (CSA 2.17).

Gas Line Installation

Since some municipalities have additional local codes, it is always best to consult with your local authorities and the CSA B149.1 installation code.

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

Use approved fittings with copper or flex connectors. Always provide a union so that gas lines can be easily disconnected for servicing. Flare nuts for copper lines and flex connectors usually 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.

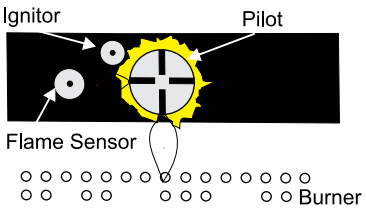
NOTE A shutoff / dante valve should be supplied in or near the unit (or as per local codes) for ease of servicing this appliance.

When an appliance is installed at elevations above the maximum elevation option provided, the input rate shall be reduced or air shutter opened further. For altitudes above 4500' the input rate shall be reduced at the rate of 4% for each additional 1000 ft (300 m). The input rate shall be reduced from the rate indicated for the highest altitude option provided.
This is to accurately adjust the input ratings of appliances certified for high altitude to ensure proper performance. The rated output of gas-burning appliances decreases with higher altitudes due to the reduction in atmospheric pressure.

At higher elevations,and as an alternative, air shutter settings may have to be opened more to compensate for the lack of air.

Pilot Adjustment

Periodically check the pilot flames. Correct flame pattern has two strong blue flames: 1 flowing around the flame sensor and 1 flowing across the burner (it does not have to touch the burner).



NOTE
- If you have an incorrect flame pattern, contact your Regency® dealer for further instructions.

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

Gas Pipe Pressure Testing

During pressure testing of the gas supply piping system at pressures equal to or less than 1/2 psig. (3.45 kPa), close the appliance's manual shut-off valve to isolated it from the gas supply. Disconnect the piping from the 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 unit 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. Turn the unit on with the remote or wall switch.

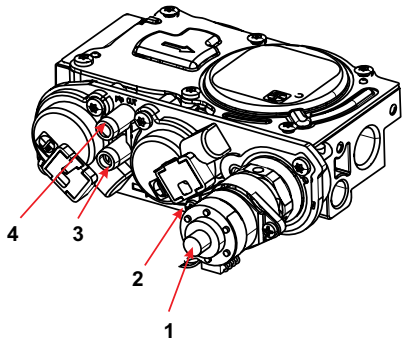
5. The pressure check should be carried out with the unit burning and the setting within the limits specified on the safety label.

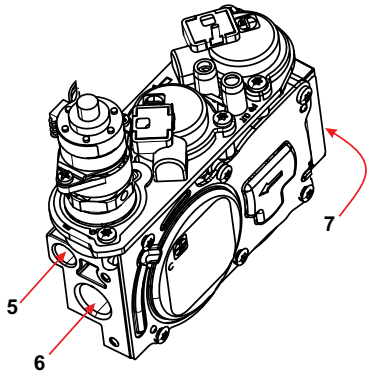
6. When finished reading the manometer, turn off the unit, disconnect the hose, and tighten the screw (clockwise) with a 1/8" flat screwdriver.

NOTE Screw should be snug, but do not over tighten.

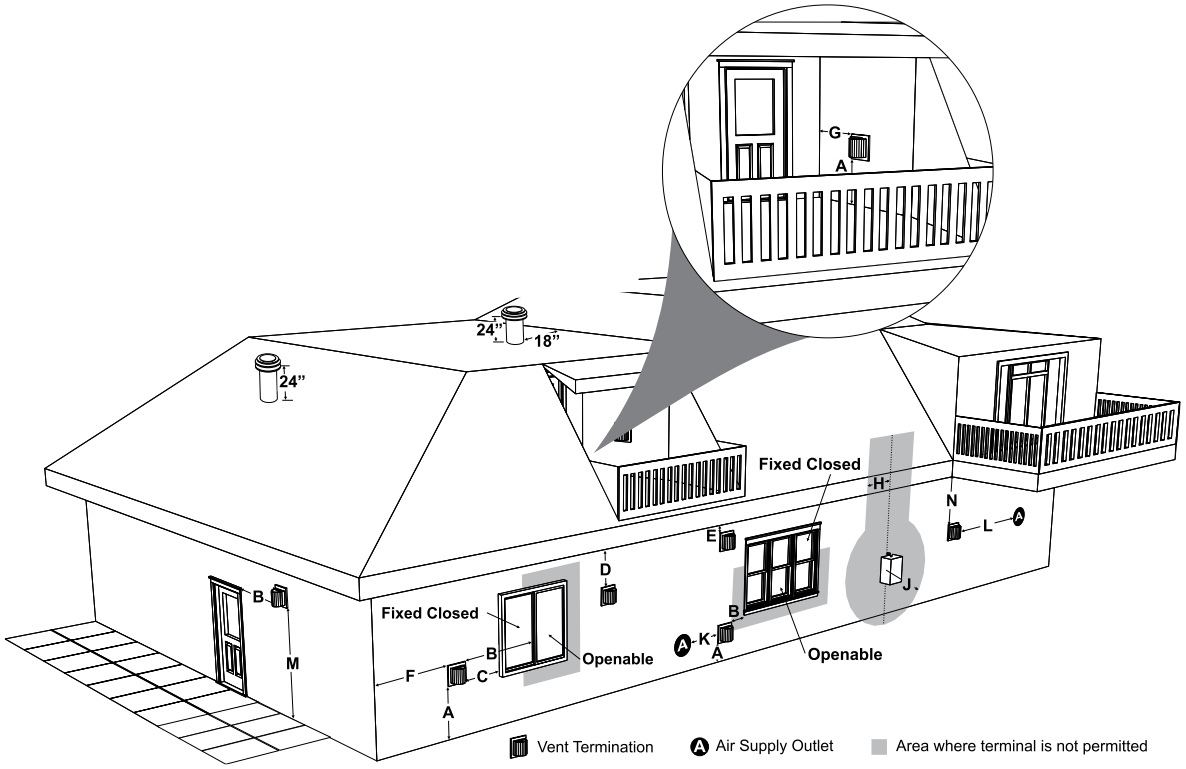
885 S.I.T. Valve Description

1) 6 Stage flame adjustment
2) Pilot adjustment
3) Inlet Pressure Tap
4) Outlet Pressure Tap
5) Pilot Outlet
6) Main Gas Outlet
7) Main Gas Inlet





Exterior Vent Termination Locations (Non Power Vent)



	Minimum Clearance Requirements	Canada[1]	USA[2]
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)	29" (74cm)	29"(74cm)
E	Clearance to unventilated soffit	23" (58cm)	23"(58cm))
F	Clearance to outside corner: with AstroCap Termination Cap	7" (18cm)	7"(18cm)
	Clearance to outside corner: with all other approved Termination Caps	14" (36cm)	14" (36cm)
G	Clearance to inside corner: with AstroCap Termination Cap	7" (18cm)	7" (18cm)
	Clearance to inside corner: with all other approved Termination Caps	13" (33cm)	13" (33cm)
H	Clearance to each side of center line extended above meter/regulator assembly	36" (90cm)[a]	*
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)[b]
M	Clearance above paved sidewalk or a paved driveway located on public property†	84" (2.1m)†	*
N	Clearance under veranda, porch, deck, or balcony‡	12" (30cm)‡	*

1 In accordance with current CSA B149.1, Natural Gas and Propane Installation Code
2 In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code
† A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings
‡ 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
a 3 feet (91cm) within a height of 15 feet (4.5m) above the meter / regulator assembly
b 3 feet (91cm) above - if within 10 feet (3m) horizontally

5” x 8” (127 mm x 203 mm) Rigid Pipe Cross Reference Chart (Non Power Vent)

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™	*Metal-Fab™ Sure Seal	*ICC Excel Direct	*Olympia Ventis DV***
6" Pipe Length-Galvanized	58DVA-06	5DT-06	5D6	TC-5DL6	VDV-0506
6" Pipe Length-Black	58DVA-06B	5DT-06B	5D6B	TC-5DL6B	VDVB-0506
9" Pipe Length-Galvanized	58DVA-09	5DT-09	N/A	TC-5DL9	VDV-0509
9" Pipe Length-Black	58DVA-09B	5DT-09B	N/A	TC-5DL9B	VDVB-0509
12" Pipe Length-Galvanized	58DVA-12	5DT-12	5D12	TC-5DL1	VDV-0512
12" Pipe Length-Black	58DVA-12B	5DT-12B	5D12B	TC-5DL1B	VDVB-0512
18" Pipe Length-Galvanized	58DVA-18	5DT-18	5D18	TC-5DL18	VDV-0518
18" Pipe Length-Black	58DVA-18B *	5DT-18B	5D18B	TC-5DL18B	VDVB-0518
24" Pipe Length-Galvanized	58DVA-24	5DT-24	5D24	TC-5DL2	VDV-0524
24" Pipe Length-Black	58DVA-24B	5DT-24B	5D24B	TC-4DL2B	VDVB-0524
36" Pipe Length-Galvanized	58DVA-36	5DT-36	5D36	TC-5DL3	VDV-0536
36" Pipe Length-Black	58DVA-36B	5DT-36B	5D36B	TC-5DL3B	VDVB-0536
48" Pipe Length-Galvanized	58DVA-48	5DT-48	5D48	TC-5DL4	N/A
48" Pipe Length-Black	58DVA-48B	5DT-48B	5D48B	TC-5DL4B	N/A
60" Pipe Length-Galvanized	58DVA-60	N/A	N/A	N/A	N/A
60" Pipe Length-Black	58DVA-60B *	N/A	N/A	N/A	N/A
Adjustable Length 3"-10"-Galvanized	N/A	N/A	5DAL	TC-5DLT	N/A
Adjustable Length 3"-10"-Black	N/A	N/A	5DALB	TC-5DLTB	N/A
Adjustable Length 11"-14" -Galvanized	Disc. - See 58DV-08A	5DT-AJ	N/A	N/A	N/A
Adjustable Length 11"-14" -Black	Disc. - See 58DV-08B	5DT-AJB	N/A	N/A	N/A
Extension Pipe 17"-24" -Galvanized	Disc. - See 58DV-16A	N/A	N/A	N/A	N/A
Extension Pipe 17"-24" -Black	Disc. - See 58DV-16AB	N/A	N/A	N/A	N/A
Adjustable Length 8-1/2"-Galvanized	58DVA-08A	N/A	N/A	N/A	N/A
Adjustable Length 8-1/2"-Black	58DVA-08AB	N/A	N/A	N/A	N/A
Extension Pipe 16"-Galvanized	58DVA-16A	N/A	N/A	N/A	N/A
45° Elbow-Galvanized	58DVA-E45	5DT-EL45	5DT-EL45	TE-5DE45	VDV-EL0545
45° Elbow-Black	58DVA-E45B	5DT-EL45B	5DT-EL45B	TE-5DE45B	VDVB-EL0545
45° Elbow Swivel-Galvanized	Disc. - See 58DVA-E45	N/A	N/A	N/A	N/A
45° Elbow Swivel-Black	Disc.-See 58DVA-E45B	N/A	N/A	N/A	N/A
90° Elbow-Galvanized	58DVA-E90	5DT-EL90S	5DT-EL90S	TE-5DE90	VDV-EL0590
90° Elbow-Black	58DVA-E90B	5DT-EL90SB	5DT-EL90SB	TE-5DE90B	VDV-EL0590
90° Elbow, Swivel-Galvanized	Disc. - See 46DVA-E45	N/A	N/A	N/A	N/A
90° Elbow, Swivel-Black	Disc. - See 46DVA-E45	N/A	N/A	N/A	N/A
90° Starter Elbow, Swivel-Galvanized	N/A	N/A	N/A	N/A	N/A
Adaptor*	N/A	N/A	N/A	N/A	VDV-UAA05
Ceiling Support	58DVA-DC	5DT-CS	5DSP	TM-5RDS	VDV-CSR05
Cathedral Support Box	58DVA-CS	5DT-CSS	5DRS	TM-5SS	DV-CSS05
Wall Support/Band	58DVA-WS	5DT-WS/B	5DWS	TM-5WS	VDV-WS05
Offset Support	58DVA-ES*	5DT-OS	N/A	TM-5OS	N/A
Wall Thimble-Black	58DVA-WT	5DT-WT	5DWT	N/A	VDV-WPT05
Wall Thimble Support/Ceiling Support	58DVA-DC*	N/A	N/A	N/A	N/A
Firestop Spacer	58DVA-FS	5DT-FS	5DFS	TM-5LS	VDV-FS05
Trim Plate-Black	58DAV-WFS	5DT-TPS	5DCP	TM-5TP	VDV-WTC05

* Not available from Regency

5” x 8” (127 mm x 203 mm) Rigid Pipe Cross Reference Chart (Non Power Vent)

Description	Simpson Direct Vent Pro®	*Selkirk Direct Temp™	*Metal-Fab™ Sure Seal	*ICC Excel Direct	*Olympia Ventis DV***
Attic Insulation Shield 12"	58DVA-IS	N/A	N/A	N/A	VDV-AIS05
Basic Horizontal Termination Kit (A)	N/A	5DT-HKA	N/A	TM-5HTK	VDV-KW05
Horizontal Termination Kit (B)	58DVA-KHA	5DT-HKB	N/A	TM-5HTK	VDV-K05
Vertical Termination Kit	58DVA-VHA	5DT-VKC	N/A	N/A	N/A
High Wind Vertical Cap	58DVA-VCH	N/A	N/A	TM-5VT	VDV-VCH05
High Wind Horizontal Cap	N/A	N/A	N/A	TM-5DHT	N/A
Horizontal Square Termination Cap	58DVA-HC	5DT-AHC	5DHT	TM-5HT	VDV-HC05
Vertical Termination Cap	N/A	5DT-HVC	5DVT	N/A	N/A
Storm Collar	58DVA-SC	5DT-SC	5DSC	TM-SC	VDV-SC05
Adjustable Flashing 0/12-6/12	58DVA-F6	5DT-AF6	5DF	TF-5FA	VDV-F0506
Adjustable Flashing 6/12-12/12	58DVA-F12	5DT-AF12	5DF1-2	TF-5FB	VDV-F0512
Vinyl Siding Standoff	58DVA-VSS	5DT-VS-1	5DVS	TM-VSS	VDV-SSO
Vinyl Siding Shield Plate	N/A	5DT-VSP	N/A	N/A	N/A
Snorkel Termination 14"	58DVA-SNK14	N/A	N/A	TM-5ST14	N/A
Snorkel Termination 36"	58DVA-SNK36*	N/A	N/A	TM-5ST36	N/A
Restrictor Disk	N/A	N/A	N/A	N/A	N/A
Colinear Flex Connectors	N/A	N/A	N/A	N/A	N/A

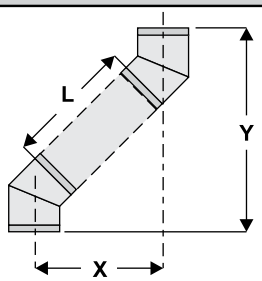
* Not available from Regency

FPI			
946-604/P	Simpson Direct Vent or Astro Cap -Vent Guard (Optional)	946-623/P	AstroCap XL Horizontal Cap
770-994	Rigid Pipe Adaptor (Must use with all rigid piping)		
**946-606	Starter collar reducer 5" x 8" to 4" x 6-5/8" (B36XTE, B36XTCE ONLY)	946-625	Vinyl Siding Standoff - AstroCap XL

Note: When using Metal-Fab Sure Seal Rigid Piping - please note that the Adaptor (5DDA) must be used in conjunction with FPI Rigid Pipe Adaptor (770-994).

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

Pipe Length (L)	5" x 8" Venting	
	Run (X)	Rise (Y)
0" (0mm)	5-11/16" (144mm)	15-5/16" (389mm)
6" (152mm)	8-13/16" (224mm)	18-7/16" (468mm)
9" (229mm)	10-15/16" (278mm)	20-9/16" (522mm)
12" (305mm)	13" (330mm)	22-11/16" (576mm)
24" (610mm)	21-7/16" (697mm)	31-1/16" (789mm)
36" (914mm)	29-13/16" (757mm)	39-7/16" (1002mm)
48" (1219mm)	38-1/4" (972mm)	47-7/8" (1216mm)



For specific instructions on venting components - visit the manufacturers website listed below.

Simpson Direct Vent Pro: www.duravent.com

Selkirk Direct-Temp: www.selkirkcorp.com

Metal-Fab Sure Seal: www.mtlfab.com

Industrial Chimney Company: www.icc-rsf.com

Olympia Ventis DV: www.olympiachimney.com

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.

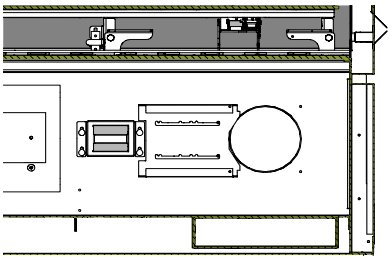
Vent Restrictor Position (Non Power Vent)

Vent restriction is required for certain venting installations. See the diagrams in the "Installation - Non Power Vent" and "Installtion-Power Vent" sections to determine if they are required for your installation.

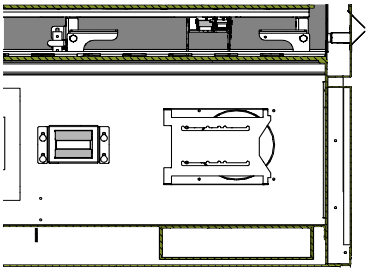
The vent restrictor plate is installed on the appliance at Set 0.

To set the vent restriction as indicated in the venting arrangements diagrams, refer to the following instructions;

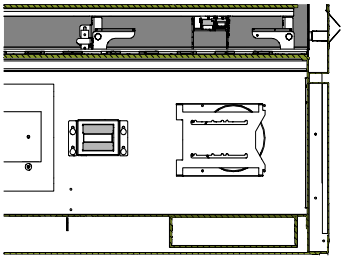
1. Remove the safety barrier glass and firebox glass--see instructions in this manual.
2. Adjust the vent restrictor plate to the required vent restrictor position as per the diagrams shown.
3. Once the vent restrictor plate is in the required position, secure with screws.



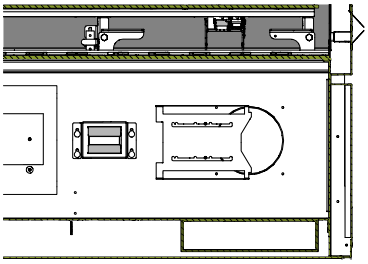
Set 0
Fully open
Factory Set



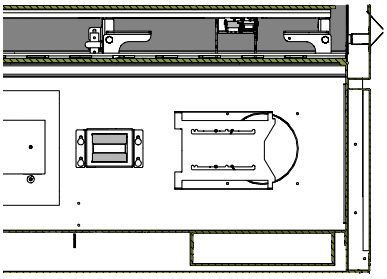
Set 4
1-1/2" (38 mm)



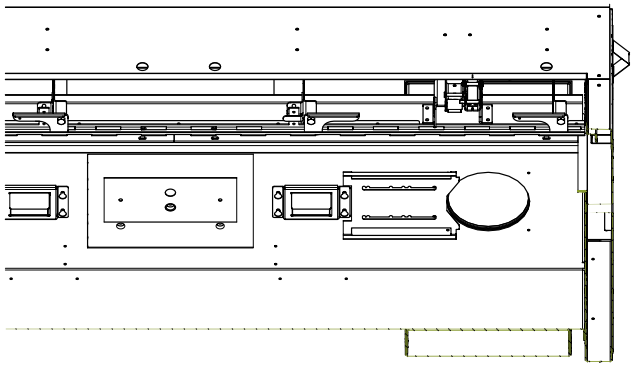
Set 5
3/4" (19 mm)



Set 2
3-1/8" (79 mm)



Set 3
2-3/8" (60 mm)



Cross section showing the ceiling of the firebox from the inside

Venting Introduction (Non Power Vent)

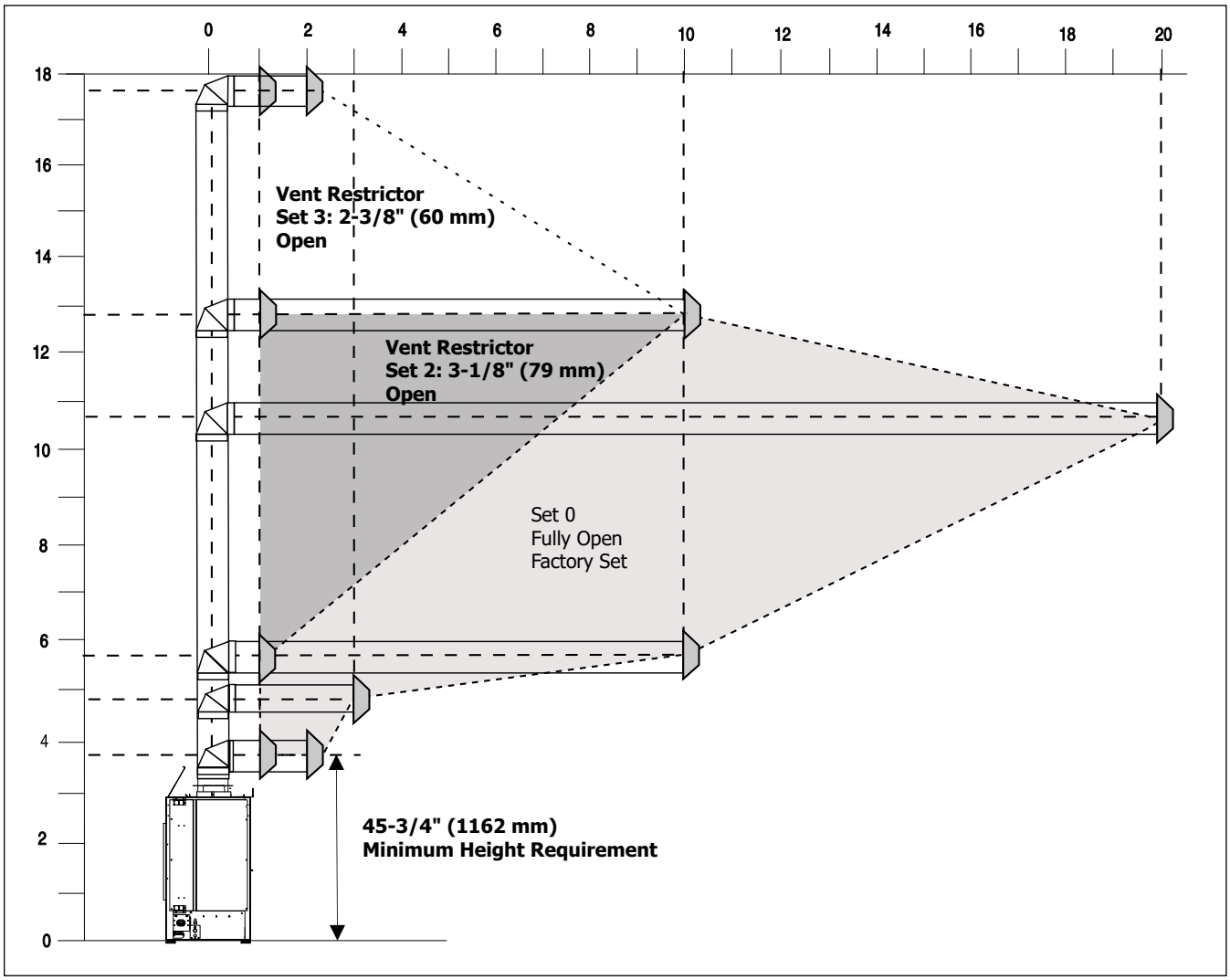
The CST50E uses the "balanced flue" technology co-axial system. The inner liner vents products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber, thereby eliminating the need to use heated room air for combustion and losing warm room air up the chimney.
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.

NOTE
These flue pipes must not be connected to any other appliance.

Venting Arrangement for Horizontal Terminations (Rigid and Flex)

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

NOTES
- Must use optional rigid pipe adapter (part# 770-994) when using rigid pipe venting systems.
- For horizontal terminations, the Regency direct vent flex system may be used for installations with a maximum continuous vent length of up to 10 feet. If longer runs are required, rigid pipe must be used.



VENT RESTRICTOR SETTING:
Vent restrictor factory set at Set 0.
Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting of Set 0 to Set 3 if required.

- Maintain clearances to combustibles as listed in "Clearances" section
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.
- A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.

Horizontal Terminations - Flex Vent 5" x 8" (127 mm x 203 mm) (Non Power Vent)

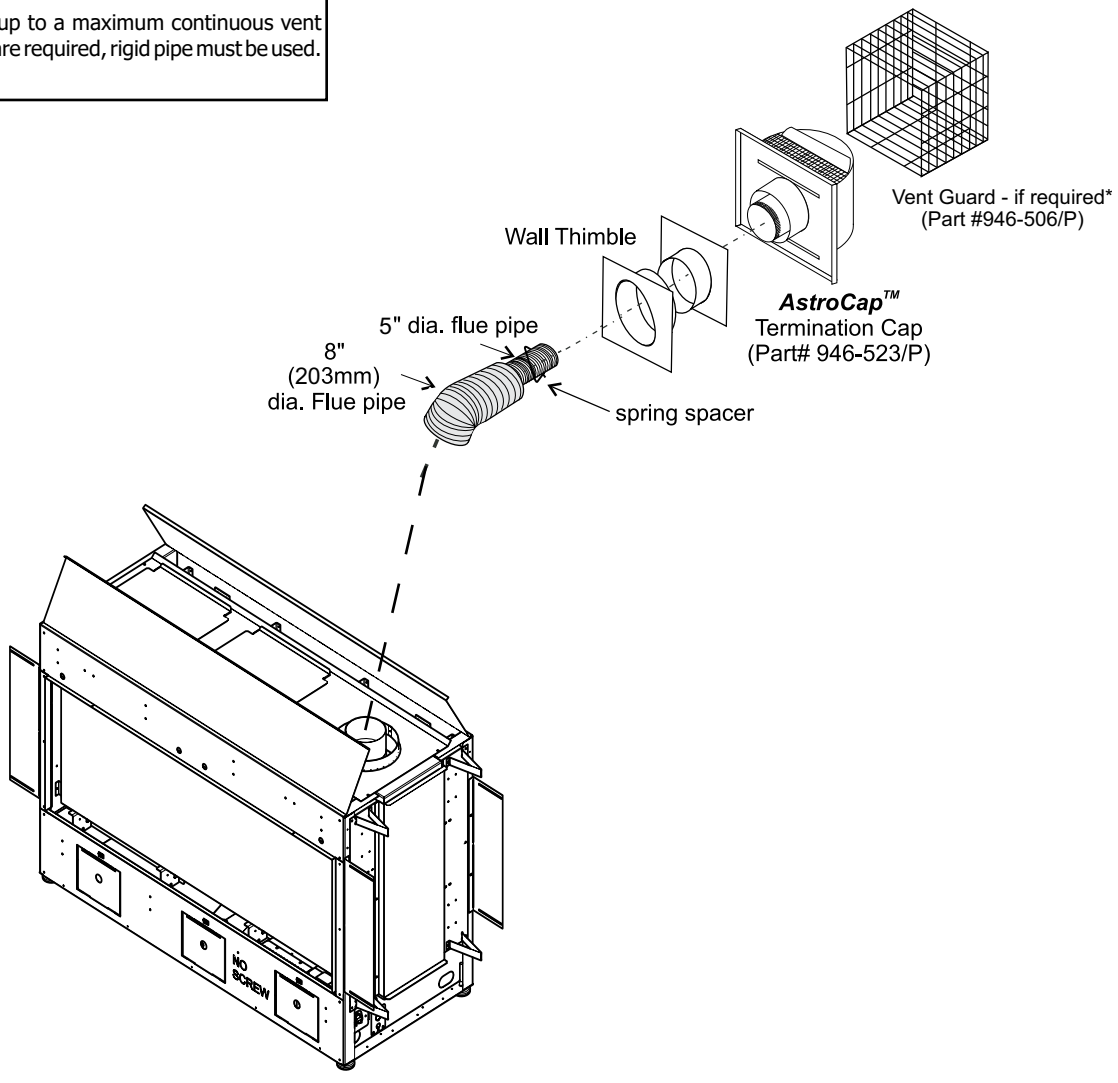
These venting systems, in combination with the CST50E Direct Vent Gas Fireplace, are tested and listed as a direct vent heater system by Intertek. The location of the termination cap must conform to the requirements in the vent terminal locations diagram in the "Exterior Vent Termination Locations" section of this manual.

Regency® Direct Vent (Flex) System Termination Kits include all the parts needed to install the CST50E using a flexible vent.

FPI Kit #	Length	Contains:
#946-615	4 Feet	1) 8″ Flexible Liner (Kit length) 2) 5″ Flexible Liner (Kit length) 3) Spring Spacers 4) Thimble 5) AstroCap XL Termination Cap 6) Screws 7) Tube of Mill Pac 8) Plated Screws 9) S.S. Screws #8 x 1-1/2″ Drill Point 10) Vinyl Siding Standoff
#946-618	6 Feet	
#946-616	10 Feet	

NOTES

- Liner sections should be continuous without any joints or seams.
- Only flex pipe purchased from Regency® may be used for flex installations.
- Horizontal vent must be supported every 3 feet.
- Regency® Direct Vent System (Flex) is only approved for horizontal terminations.
- Flex system can only be used up to a maximum continuous vent length of 10 feet. If longer runs are required, rigid pipe must be used.



Horizontal Terminations - Rigid Pipe 5" x 8" (127 mm x 203 mm) (Non Power Vent)

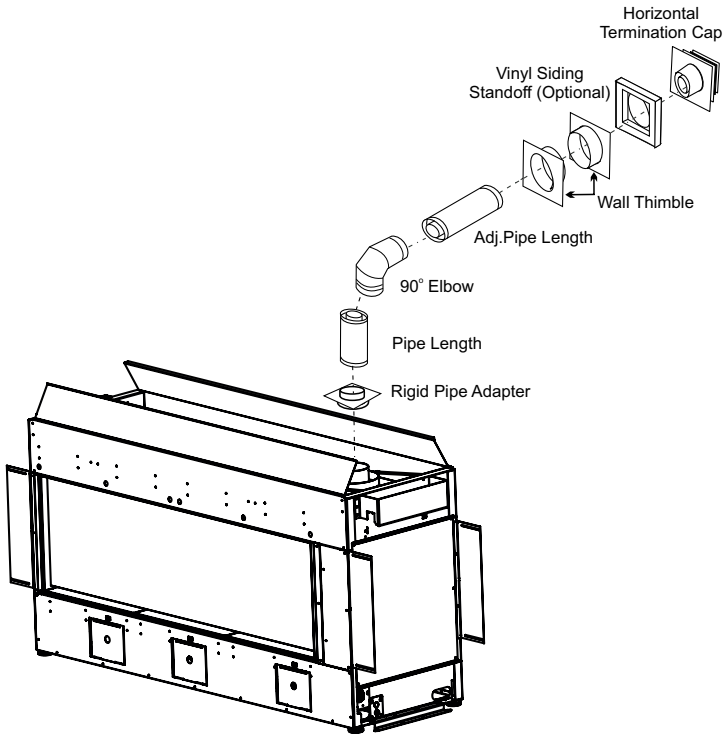
Minimum components required for a basic horizontal termination:

1 Horizontal Termination Cap
1 Rigid Pipe Adaptor (770-994)
1 Wall Thimble
1 Length of pipe to suit wall thickness (see chart)

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

If a vinyl siding standoff is required (it must be used with vinyl siding), measure to the outside surface of the wall without siding and add two inches.

Flat Wall Installation	
Wall Thickness	**Vent Length Required**
4" (102 mm) - 5-1/2" (140 mm)	6" (152 mm)
7" (178 mm) - 8-1/2" (216 mm)	9" (229 mm)
10" (254 mm) - 11-1/2" (292 mm)	12" (305 mm)
9" (229 mm) - 14-1/2" (368 mm)	11" (279 mm) - 14-5/8" (371 mm) adj. pipe
15" (381 mm) - 23-1/2" (597 mm)	17" (432 mm) - 24" (610 mm) adj. pipe



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

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 was evaluated by Intertek for using a Rigid Pipe Adaptor in conjunction with Duravent Direct-Vent, Selkirk Direct-Temp, Ameri Vent Direct Venting, ICC Excel Direct, Olympia Ventis DV, and Security Secure Vent systems. Use of these systems with the Rigid Pipe adaptor is deemed acceptable and does not affect the Intertek WHI listing of components.

The FPI AstroCap™ and FPI Riser Vent terminal are certified for installations using FPI venting systems as well as Simpson Dura-Vent® Direct Vent, American Metal Products Ameri Vent Direct Vent, Security Secure Vent®, ICC Excel, Olympia Ventis DV, 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.

Horizontal Terminations - 5" X 8" (127 mm x 203 mm) Rigid or Flex Pipe (Non Power Vent)

The diagrams below show examples of horizontal termination arrangements using one, two, or three 90° elbows (two 45° elbows equal one 90° elbow).

1. A maximum of three 90° elbows are permitted.

2. Minimum distance between elbows is 1 ft. (305 mm).

- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.9 m).
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (part# 770-994) when using rigid pipe vent systems.
- A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.
- Flex system can only be used up to 10 feet (3 m) - otherwise, rigid venting must be used.

Horizontal Venting with Two 90° Elbows

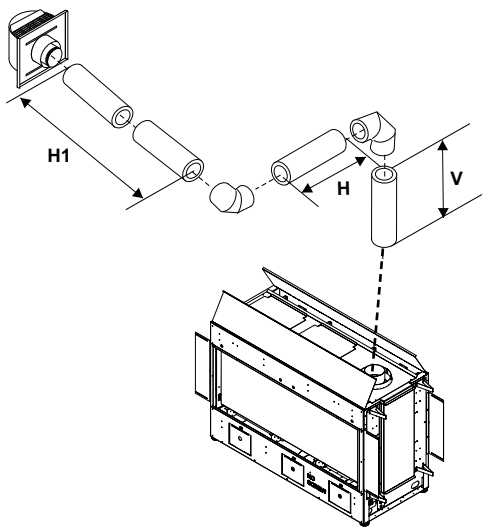
One 90° elbow = two 45° elbows.

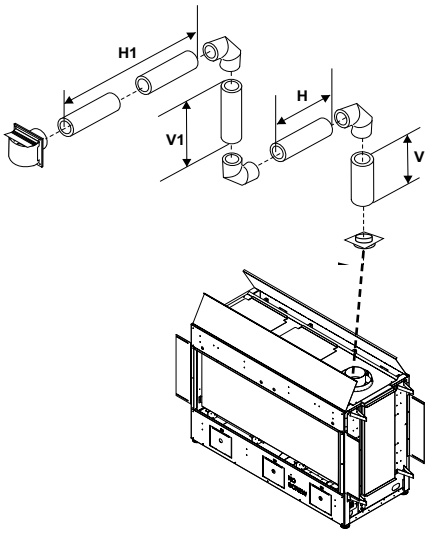
Option	*V (min.)*	*H + H1 (max.)*	With these options, maximum total pipe length is 30 feet (9.1 m) with minimum of 6 feet (1.8 m) total vertical pipe and maximum 8 feet (2.4 m) total horizontal pipe. *A minimum of 1 ft. (610 mm) is required between all 90° elbows.*
A)	3' (914 mm)	4' (1.2 m)	
B)	4' (1.2 m)	5' (1.5 m)	
C)	5' (1.5 m)	6' (1.8 m)	
D)	6' (1.8 m)	8' (2.4 m)	
Restrictor Set 0 - Factory Setting			

Horizontal Venting with Three 90° Elbows

One 90° elbow = two 45° elbows.

Option	*V (min.)*	*H (max.)*	*V + V1 (min.)*	*H + H1 (max.)*	With these options, maximum total pipe length is 30 feet (9.1 m) with minimum of 12 feet (3.7 m) total vertical pipe and maximum 9 feet (2.7 m) total horizontal pipe. *A minimum of 1 ft. (610 mm) is required between all 90° elbows.*
A)	2' (610 mm)	2' (610 mm)	5' (1.5 m)	3' (0.9 m)	
B)	3' (0.9 m)	2' (610 mm)	7' (2.1 m)	5' (1.5 m)	
C)	4' (1.2 m)	3' (0.9 mm)	9' (2.7 m)	6' (1.8 m)	
D)	5' (1.5 m)	4' (1.2 m)	10' (3 m)	7' (2.1 m)	
E)	6' (1.8 m)	5' (1.5 m)	11' (3.4 m)	8' (2.4 m)	
F)	7' (2.1 m)	6'(1.8 m)	12' (3.7 m)	9' (2.7 m)	
Restrictor Set 0 - Factory Setting					



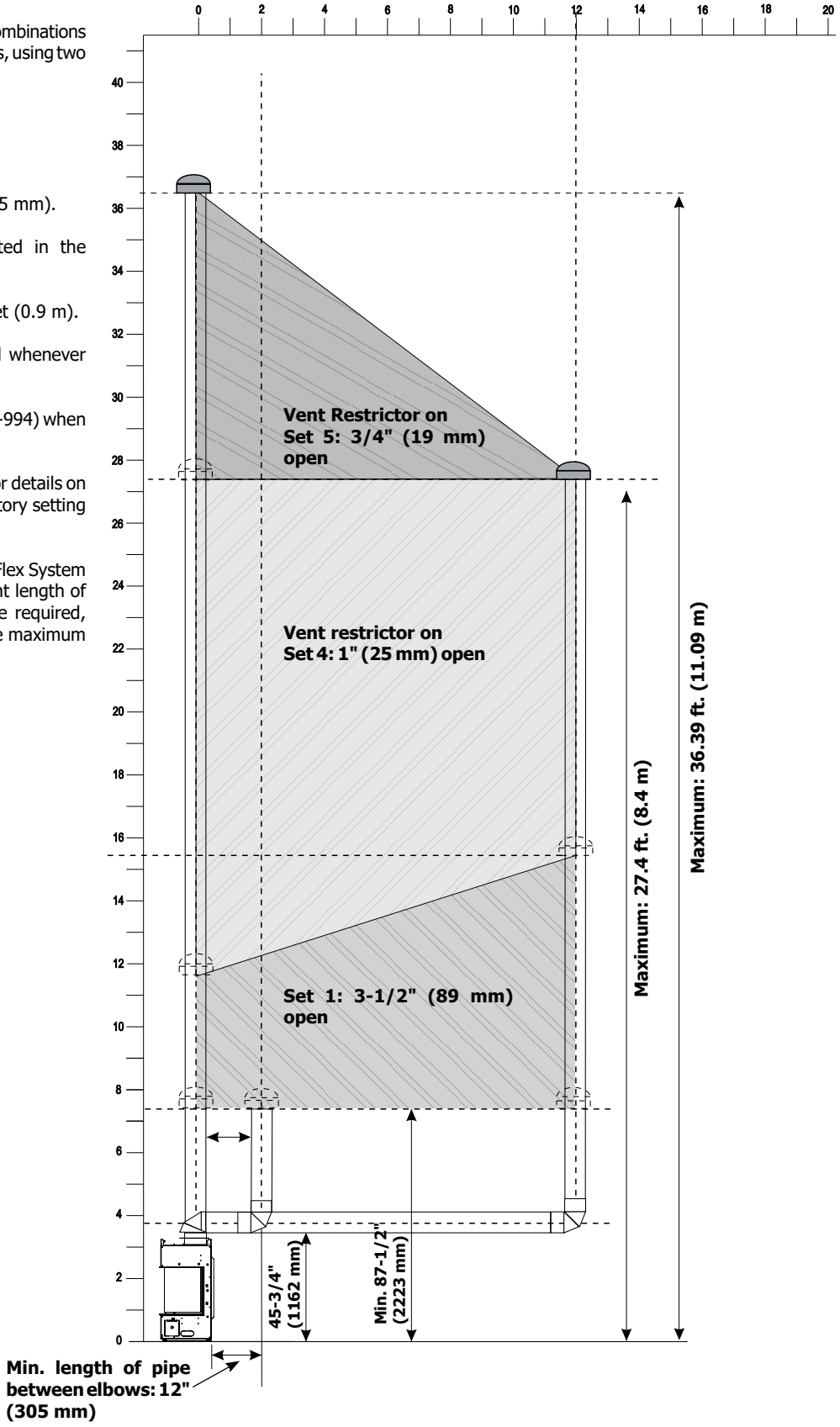


Venting Arrangement for Vertical Terminations - 5" x 8" (127 mm x 203 mm) Rigid and Flex Pipe (Non Power Vent)

The shaded area in the diagram shows all allowable combinations of straight vertical and offset-to-vertical terminations, using two 90° elbows with rigid/flex pipe venting systems.

- Two 45° elbows equal to one 90° elbow.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (305 mm).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.9 m).
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (Part# 770-994) when using rigid pipe vent systems.
- Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting of Set 0 through to Set 5, if required.

For vertical terminations, the Regency Direct Vent Flex System may be used for installations with a maximum vent length of up to 40 feet including offsets. If longer runs are required, rigid pipe must be used. If no offsets are used, the maximum run is per the chart on this page.



Vertical Terminations - 5" x 8" (127 mm x 203 mm) Rigid Pipe (Non Power Vent)

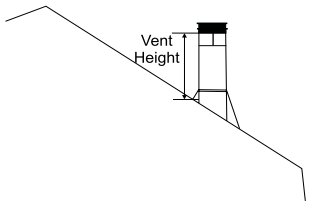
The minimum components required for a basic vertical termination are:

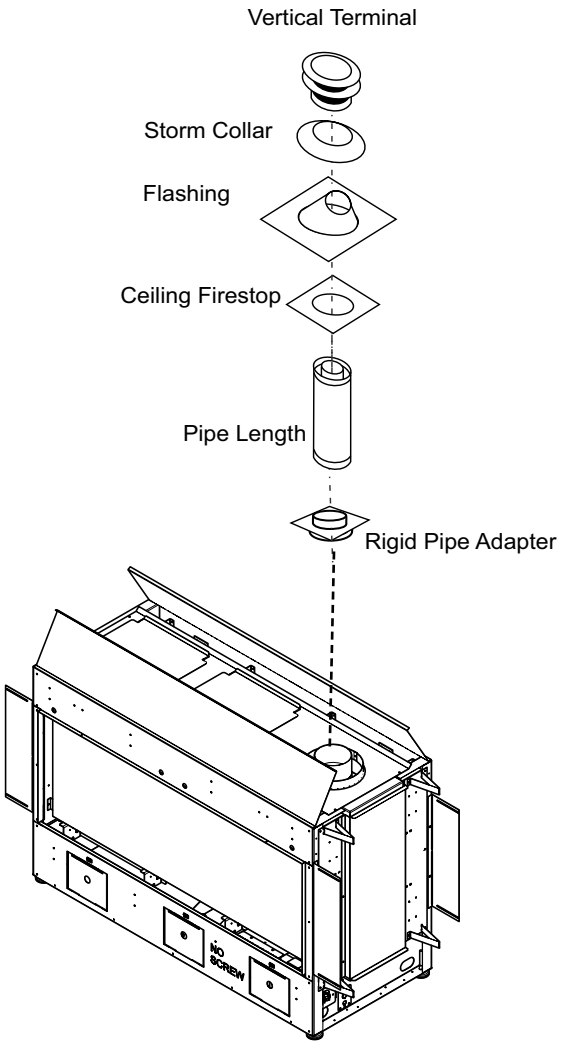
1 Vertical Termination Cap
1 Rigid Pipe Adaptor (770-994)
1 Ceiling Firestop
1 Flashing
1 Storm Collar
1 Length of pipes to suit wall thickness & vent run (see chart)

Galvanized pipe is desirable above the roofline due to its higher corrosion resistance. Continue to add pipe sections through the flashing until the height of the vent cap meets the minimum height requirements specified in the table below, 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.

Roof Pitch	Minimum Vent Height	
	Feet	Meters
flat to 7/12	2	0.6
over 7/12 to 8/12	2	0.6
over 8/12 to 9/12	2	0.6
over 9/12 to 10/12	2-1/2	0.76
over 10/12 to 11/12	3-1/4	1
over 11/12 to 12/12	4	1.2
over 12/12 to 14/12	5	1.5
over 14/12 to 16/12	6	1.8
over 16/12 to 18/12	7	2.1
over 18/12 to 20/12	7-1/2	2.3
over 20/12 to 21/12	8	2.4

WARNING **Do not combine venting components from different venting systems. However, use of the the AstroCapTM and FPI Riser is acceptable with all systems.**





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

This product was evaluated by Intertek for using a Rigid Pipe Adaptor in conjunction with Duravent Direct-Vent, Selkirk Direct-Temp, Ameri Vent Direct Venting, ICC Excel Direct, Olympia Ventis DV, and Security Secure Vent systems. Use of these systems with the Rigid Pipe adaptor is deemed acceptable and does not affect the Intertek WHI listing of components.

The FPI AstroCap™ and FPI Riser Vent terminal are certified for installations using FPI venting systems as well as Simpson Dura-Vent® Direct Vent, American Metal Products Ameri Vent Direct Vent, Security Secure Vent®, ICC Excel, Olympia Ventis DV, 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.

Vertical Terminations - 5" x 8" (127 mm x 203 mm) Rigid or Flex Pipe (Non Power Vent)

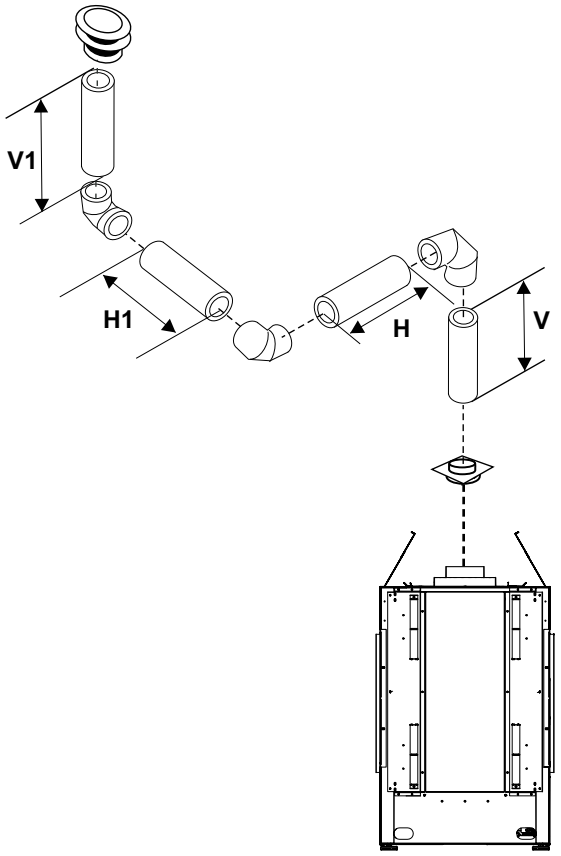
- Two 45° elbows equal to one 90° elbow. Maximum of six 45° elbows allowed.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (305mm).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.9 m).
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (part# 770-994) when using rigid pipe vent systems**.**

The Regency Direct Vent Flex System may be used for installations with a maximum vent length of up to 40 feet including offsets.

Vertical Venting with Three (3) 90° Elbows

One 90° elbow = Two 45° elbows.

Option	V (min.)	H + H1 (max.)	V + V1 (min.)
A)	1' (305 mm)	2' (610 mm)	3' (0,9 m) Min.
B)	2' (610 mm)	3' (0.9 m)	4' (1,2 m) Min.
C)	3' (0.9 m)	4' (1.2 m)	6' (1,8 m) Min.
D)	4' (1.2 m)	5' (1.5 m)	7' (2,1 m) Min.
E)	5' (1.5 m)	6' (1.8 m)	8' (2,4 m) Min.
F)	6' (1.8 m)	7' (2.1 m)	9' (2,7 m) Min.
G)	7' (2.1 m)	8' (2.4 m)	10' (3 m) Min.
Lengths do not include elbow indicated *Restrictor Set 0 - Factory Setting*			



NOTES

- For horizontal terminations, the Regency Direct Vent Flex System may be used for installations with a maximum continuous vent length of 10 feet (3 m). If longer runs are required, rigid pipe must be used. With these options, max. total pipe length is 30 feet (9.1 m) with min. of 10 feet (3 m) total vertical pipe and max. 8 feet (2.4 m) total horizontal pipe.
- A minimum of 1 ft. (610 mm) is required between all 90° elbows.

Vertical Terminations - Vertical Flex Vent Kit (Part #946-772) (Non Power Vent)

Vertical Flex Vent Kit includes:

- 20 ft. flex pipe (inner & outer) with 10 spacers
- 3 wall straps
- Ceiling firestop
- Firestop spacer
- Brackets
- Flex to rigid adaptor
- Roof support
- 36" rigid DuraVent pipe
- Storm collar
- High wind termination cap
- Hardware

NOTE **The roof flashing is not included with this kit and must be purchased separately.**

Vertical flex installations must conform to the limitations set in the vertical venting charts.

You must choose 1 of the following:

Part #	Description
58DVA-F6-0/12-6/12	Roof Flashing
58DVA-F12-7/12-12/12	Roof Flashing

1. Maintain the 1-1/2" (38 mm) clearance (air space) to combustibles when passing through ceilings, walls, floors, enclosures, attic rafters or other nearby combustibles. Do not pack air spaces with insulation. Check venting sections for the maximum vertical rise of the venting system and the maximum horizontal offset limitations.

   Ensure that you maintain clearances around enclosures, walls, below or above floors, floor joists, etc. Each appliance has different clearance requirements (top,sides,bottom). See specific appliance manual for details.

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

3. Cut a hole in the roof centered on the small hole placed in the roof in the previous steps. The hole should be a minimum of 11" (279 mm). The hole may be round and or square.

4. Slip the flashing under the shingles and line up flashing so it is centered to the hole (shingles should overlap half of the flashing) as per Diagram 1.

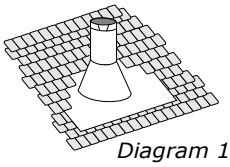


Diagram 1 - The upper half of the flashing is installed under the roofing material and not nailed down until the chimney is installed. This allows for small adjustments.

Diagram 1

5. A ceiling firestop/firestop spacer must be installed when passing through each floor or ceiling level. To install the ceiling firestop/ firestop spacer in a flat ceiling or floor joist cut a 11" (279 mm) square hole. Frame the hole as show in Diagram 2 and install the ceiling firestop. Slide the top attic insulation spacer onto the top of the attic insulation shield/firestop - See Diagram 2a. Secure with 4 screws/nails. If more than one is required, these can be purchased separately.

NOTE **The ceiling firestop/firestop spacer may be cut down to size if this shield is too high for the application.**

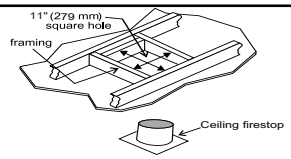


Diagram 2

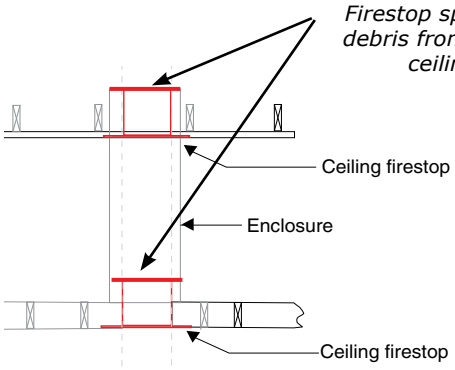


Diagram 2a

6. Determine the overall height of the chimney from the top of the appliance to the underside of the vent. If required cut the flexible inner and outer pipe to the desired length up to a maximum of 20 ft. (6.1 m).

7. Put a bead of Mill-Pac around the 5" (127 mm) collar on the appliance and slide the inner flex pipe over the inner collar of the appliance and secure with a minimum of 3 screws.

8. Install 5" (127 mm) spacers around 5" (127 mm) flex.

9. Repeat Step 7 to install the outer pipe to the outer collar of the appliance.

NOTE **If an offset is necessary in the attic or floor joists it is important to support the vent pipe every 3 feet (914 mm)to avoid excessive stress and sagging of the vent pipe. Wall straps are provided (3 in total) for this purpose. All round/plumbers strapping may also be used if further supports are required.**

10. Attach the rigid pipe section to the adaptor by using MillPac on the inner/ outer pipe. Use 3 screws to secure outer pipe.

11. Secure inner flex pipe to pipe adaptor using Mill-Pac over the adaptor. Slide the inner pipe over the flex to rigid adaptor and secure with 3 screws.

12. Repeat Step 11 to secure outer flex.

13. Slide the finished length up towards the flashing ensuring the length of pipe is a minimum of 2 feet (0.61 m) measured from the top of the roof. Level the chimney and secure using the roof support provided with kit to bottom side of the roof as shown using a minimum of 2 screws per side- see Diagram 3b. See Diagram 4 for roof pitch and height requirements. See Diagram 3a for securing method if 2 feet (0.61 m) is insufficient and additional lengths are required, this may be purchased separately. See Simpson Duravent components list in the instruction manual for part numbers.

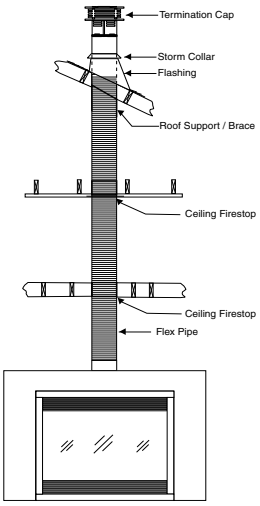


Diagram 3

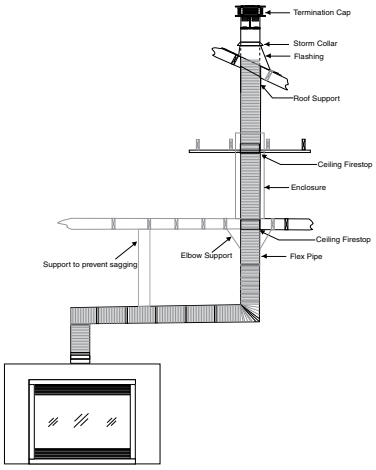


Diagram 3a

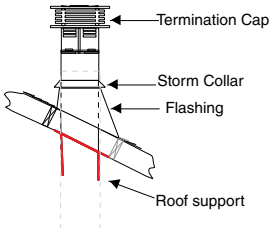


Diagram 3b

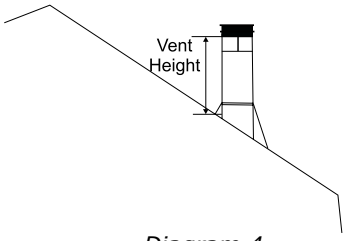


Diagram 4

Roof Pitch	Minimum Vent Height	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

14. Put a bead of caulking on the exterior between the outer pipe and flashing to prevent water from penetrating the chimney system.

15. Slide storm collar over pipe length until it reaches the flashing.

16. Install termination cap by twist locking it.

17. Secure the flashing to the roof using screws

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

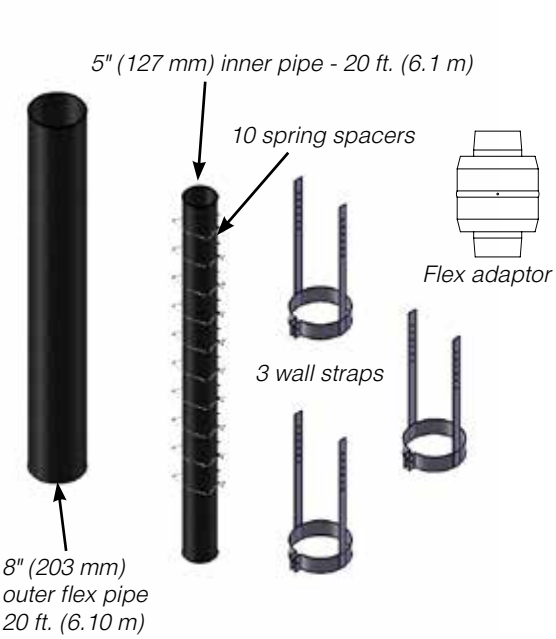
Vertical Flue Extension Kit (Part # 946-769) (Non Power Vent)

20 foot (6.1 m) flex pipe extension

Vertical Flex Extension Kit includes:

- 20 ft. flex pipe (inner & outer) with 10 spacers
- 3 wall straps
- Flex adaptor
- Hardware

Used in conjunction with the 946-772 Vertical Flex Vent Kit for vertical installations.



1. Stretch out both inner 5" (127 mm) and outer 8" (203 mm) pipe up to a maximum of 20 ft. (6.1 m).

   NOTE **The inner and outer pipes may be cut if only a short length is required.**

2. Install spring spacers around 5" (127 mm) inner pipe as shown. Slide outer flex pipe over and all the way down the 5" (127 mm) pipe.

3. Apply a bead of Mill Pac around the perimeter of the 5" (127 mm) inner collar of the flex adapter and slip the 5" (127 mm) inner flex pipe from the Vertical termination kit over the flex adapter ensuring that the inner flex pipe overlaps the collar by at least 1.4" (35 mm). Fasten with 3 screws.

4. Apply a bead of Mill Pac around the perimeter of the 8" (203 mm) outer collar of the flue adapter and slip it over the 8" (203 mm) outer flex pipe from the vertical termination kit ensuring that the outer flex pipe overlaps the collar by at least 1.4" (35 mm). Fasten with the 3 screws.

5. Repeat steps to secure the other end of the flex adapter using the flex kit.

6. See Vertical Vent installation instructions for installation of the complete vent system.

NOTE **If an offset is necessary in the attic or floor joists it is important to support the vent pipe every 3 ft. (0.91 m) to avoid excessive stress and sagging of the vent pipe. Wall straps are provided (3 in total) for this purpose.**

All round/plumbers strapping may also be used if further supports are required.

Ceiling Firestop / Firestop Spacer (Part # 946-770) (Non Power Vent)

Used in conjunction with the 946-772 Vertical Flex Kit and 946-769 Vertical Flex Extension Kit.

A ceiling firestop/firestop spacer must be installed when passing through each floor or ceiling level.

Steps to install the ceiling firestop/firestop spacer in a flat ceiling or floor joist:

1. Cut a 11" (279 mm) square hole.
2. Frame the hole as show in Diagram 1.
3. Install the ceiling firestop.
4. Slide the top attic insulation spacer onto the top of the attic insulation shield/firestop - See Diagram 1a.
5. Secure with 4 screws/nails.

Firestops can be purchased separately if more than one is required.

NOTE **The ceiling firestop/firestop spacer may be cut down to size if it is too high for the application.**

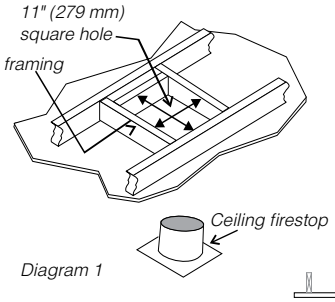


Diagram 1

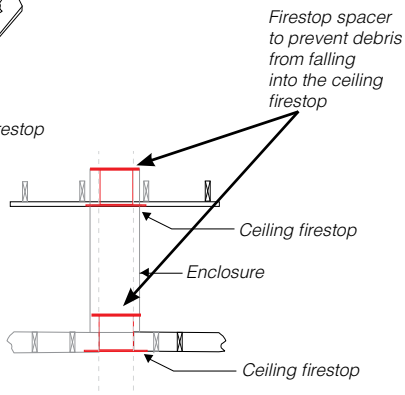


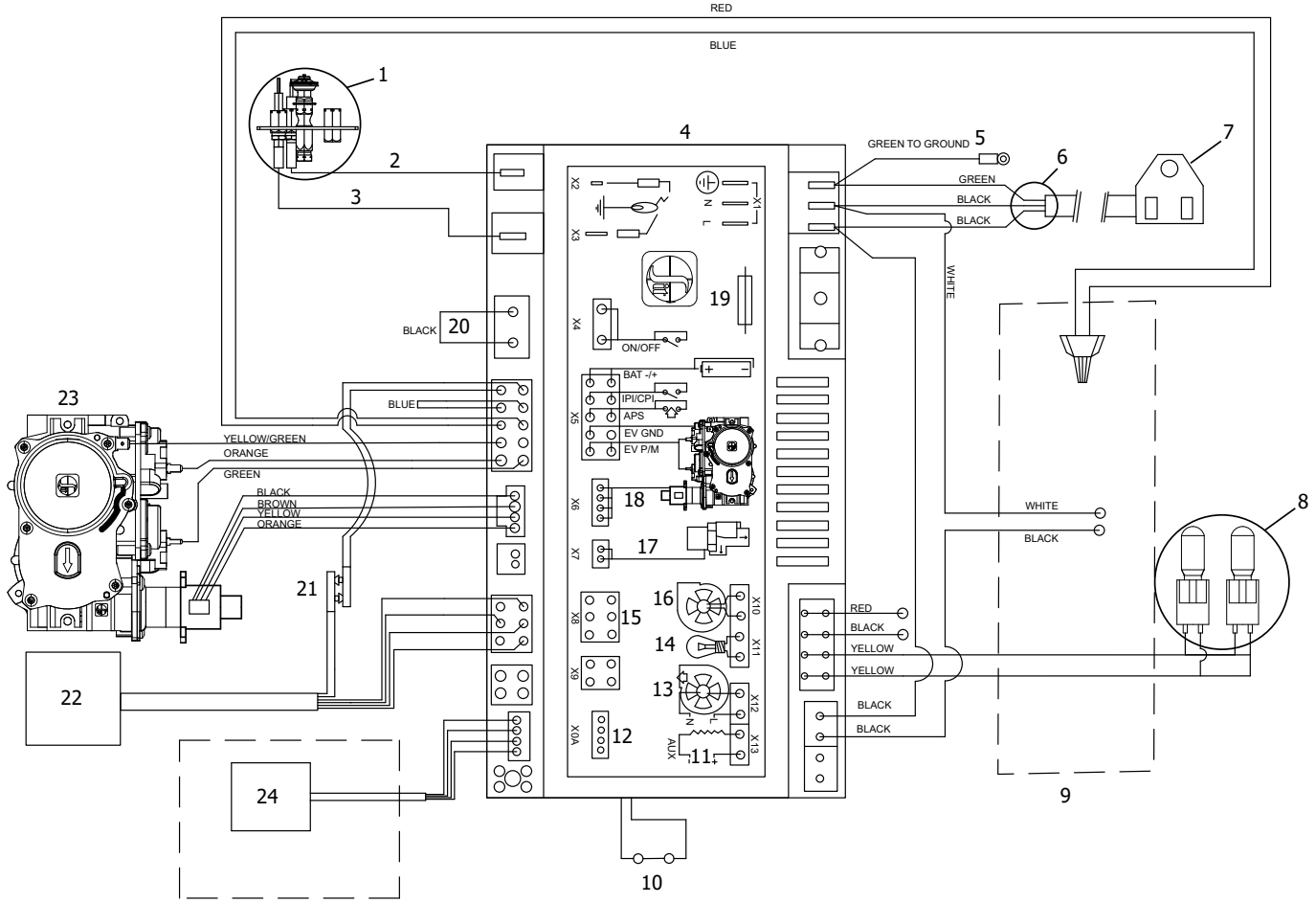
Diagram 1a

Non-Power Vent Wiring Diagram

While the burner does not require a 120 V A.C. power supply, it is highly recommended as a primary power source. Batteries (4 AA) should be used as a secondary power source only.

CAUTION

- **Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.**
- **Ensure that the wires do not touch any hot surfaces and are away from sharp edges.**
- **This appliance is equipped with a three-prong (grounding) plug for 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 the plug.**
- **Electrical power must be brought to the appliance by a licensed electrician. Do not cut the ground terminal off under any circumstances.**



NON PV

Item	Part #	Description
1	911-280	Pilot Assembly NG
	911-280	Pilot Assembly LP
	W840470	Pilot Gasket (not shown)
2	911-110	Spark Electrode
3	911-111	Flame Sensor Electrode
4	911-311/PV	PFII IFC Board
5	N/A	Green to Ground
6	911-344	Power Harness w/Aux Connector
7	911-253-ASM	Main Line
8	911-272	Variable Lights

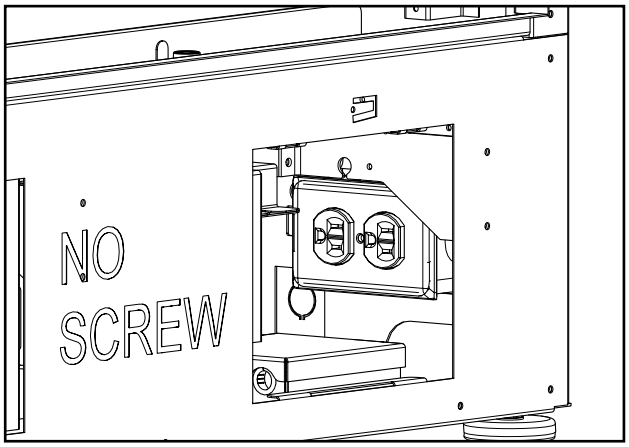
Item	Part #	Description
9	N/A	Electrical Shielding Box
10	N/A	PV Switch
11	N/A	Load
12	N/A	Diagnostic Interface
13	N/A	Combustion Blower
14	N/A	Lamp
15	N/A	User Interface
16	N/A	Comfort Fan
17	N/A	Split Flow
18	N/A	Motor

Item	Part #	Description
19	911-182	Fuse
20	911-193	Connector w/Jumper
21	911-181	Battery Connection
22	911-337/P	Battery Holder
23	911-188	SIT Gas Valve NG
23	911-189	SIT Gas Valve LP
24	946-799	SIT WIFI Dongle Kit

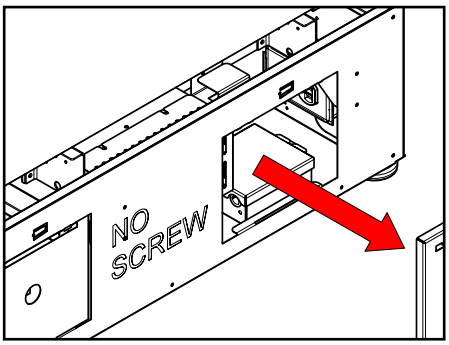
Wiring the Unit (Both Non Power Vent/Power Vent)

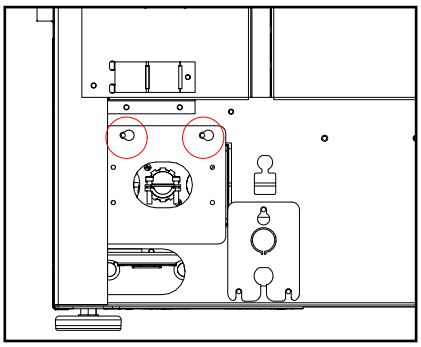
The wiring for the unit should be completed before any finishing material is installed.

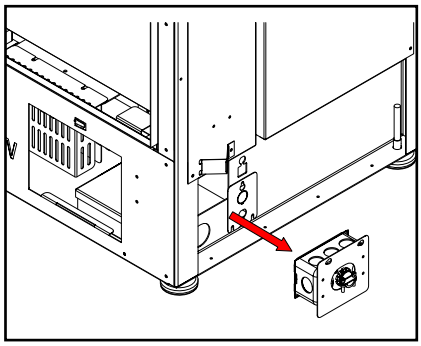
1. Remove the right side and front right access panel--see access panel removal instructions in this manual.



2. Loosen 2 screws in locations shown below.

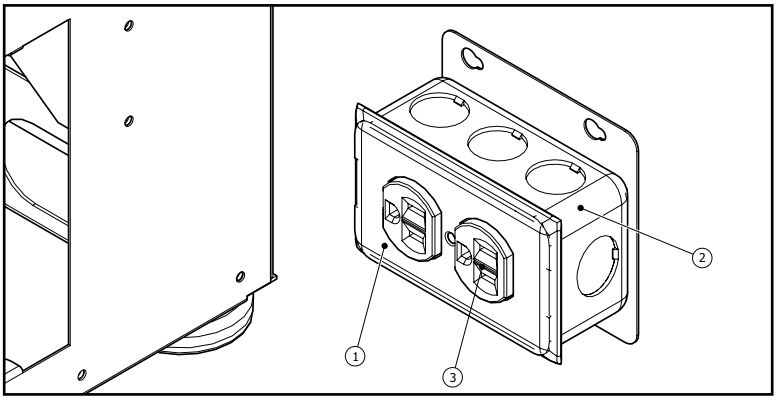






3. Slide electrical box plate towards the back of the unit and then out.

4. Bring the wiring from inside the wall through the opening created when the plate was removed in the previous step.



Item	Part #	Description
1	910-430	Receptacle Cover
2	910-429	Metal Box
3	910-428	White Receptacle

5. Wire the electrical box.

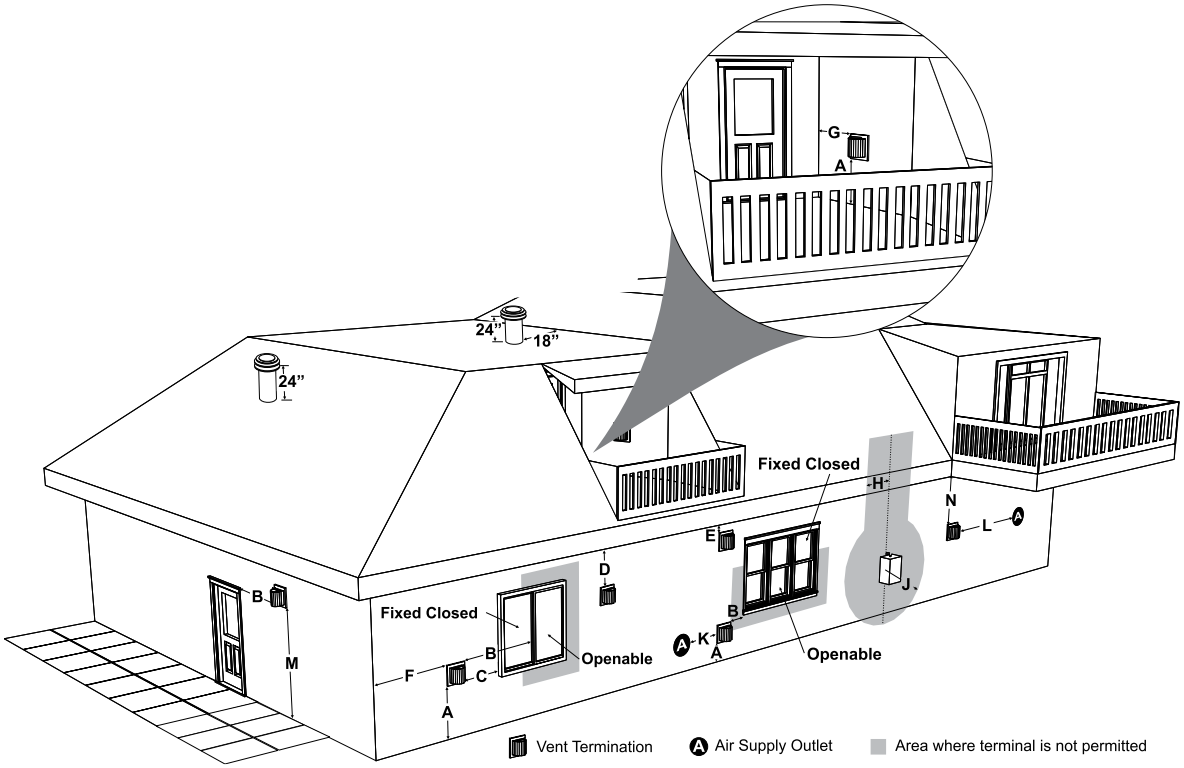
NOTE: The receptacle and receptacle cover may be located in the manual pack and may need to be installed.

6. Feed any excess wiring into the wall and reinstall the plate onto the wall of the unit.

7. Reinstall electrical box and plate onto screws.

8. Tighten screws to secure.

Exterior Vent Termination Locations (Power Vent)



	Minimum Clearance Requirements	Canada[1]	USA[2]
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)	29" (74cm)	29" (74cm)
E	Clearance to unventilated soffit	29" (74cm)	29" (74cm)
F	Clearance to outside corner: with ***PowerVent*** Termination Cap (End of line) Clearance to outside corner: with AstroCap Termination Cap (Inline)	7" (18cm)	7" (18cm)
G	Clearance to inside corner: with ***PowerVent*** Termination Cap (End of line) Clearance to inside corner: with Astro Cap Termination Cap (Inline)	7" (18cm)	7" (18cm)
H	Clearance to each side of center line extended above meter/regulator assembly	36" (90cm)[a]	*
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)[b]
M	Clearance above paved sidewalk or a paved driveway located on public property[†]	84"(2.1m)[†]	*
N	Clearance under veranda, porch, deck, or balcony[‡]	12"(30cm)[‡]	*

[1] In accordance with current CSA B149.1, *Natural Gas and Propane Installation Code*
[2] In accordance with the current *ANSI Z223.1/NFPA 54, National Fuel Gas Code*
[†] A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings
[‡] 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
[a] 3 feet (91cm) within a height of 15 feet (4.5m) above the meter / regulator assembly
[b] 3 feet (91cm) above - if within 10 feet (3m) horizontally

4"x 6-5/8" Rigid Pipe Cross Reference Chart (Power Vent)

Components from different Manufacturers may not be mixed. Not All Rigid Pipe components are available directly from FPI.
IMPORTANT : When using the inline Power Vent system & rigid pipe:
Vertical Terminations (Inline): Only Simpson Duravent rigid pipe is approved for use. Must use the 46DVA-VCH vertical high wind cap as this is the only approved cap.
Horizontal Terminations (Inline): Only the 946-523/P Astro horizontal cap may be used in conjunction with any of the vent systems noted below.

Description	Simpson Direct Vent Pro®	Selkirk Direct Temp™	American Metal Products® Amerivent Direct	Metal-Fab™ Sure Seal	Security Secure- Vent®	ICC Excel Direct	Olympia Ventis DV*
High Wind Vertical Cap	46DVA-VCH	N/A	N/A	N/A	N/A	N/A	N/A
Flashing Flat Roof	46DVA-FF	N/A	N/A	N/A	N/A	N/A	N/A
Flashing 0/12-6/12	46DVA-F6	N/A	N/A	N/A	N/A	N/A	N/A
Flashing 7/12-12/12	46DVA-F12	N/A	N/A	N/A	N/A	N/A	N/A
Storm Collar	46DVA-SC	N/A	N/A	N/A	N/A	N/A	N/A
6" Pipe Length-Galvanized	46DVA-06	4DT-06	N/A	4D6	SV4L6	TC-4DL6	VDV-0406
6" Pipe Length-Black	46DVA-06B	4DT-06B	N/A	4D6B	SV4LB6	TC-4DL6B	VDVB-0406
7" Pipe Length-Galvanized	N/A	N/A	4D7	N/A	N/A	N/A	N/A
7" Pipe Length-Black	N/A	N/A	4D7B	N/A	N/A	N/A	N/A
9" Pipe Length-Galvanized	46DVA-09	4DT-09	N/A	N/A	N/A	TC-4DL9	VDV-0409
9" Pipe Length-Black	46DVA-09B	4DT-09B	N/A	N/A	N/A	TC-4DL9B	VDVB-0409
12" Pipe Length-Galvanized	46DVA-12	4DT-12	4D12	4D12	SV4L12	TC-4DL1	VDV-0412
12" Pipe Length-Black	46DVA-12B	4DT-12B	4D12B	4D12B	SV4LB12	TC-4DL1B	VDVB-0412
18" Pipe Length-Galvanized	46DVA-18	4DT-18	4D18	4D18	SV4LA	TC-4DL18	VDV-0418
18" Pipe Length-Black	46DVA-18B	4DT-18B	4D18B	4D18B	SV4LA	TC-4DL18B	VDVB-0418
24" Pipe Length-Galvanized	46DVA-24	4DT-24	4D24	4D24	SV4L24	TC-4DL2	VDV-0424
24" Pipe Length-Black	46DVA-24B	4DT-24B	4D24B	4D24B	SV4LB24	TC-4DL2B	VDVB-0424
36" Pipe Length-Galvanized	46DVA-36	4DT-36	4D36	4D36	SV4L36	TC-4DL3	VDV-0436
36" Pipe Length-Black	46DVA-36B	4DT-36B	4D36B	4D36B	SV4LB36	TC-4DL3B	VDVCB-0436
48" Pipe Length-Galvanized	46DVA-48	4DT-48	4D48	4D48	SV4L48	TC-4DL4	VDV-0448
48" Pipe Length-Black	46DVA-48B	4DT-48B	4D48B	4D48B	SV4LB48	TC-4DL4B	VDVB-0448
60" Pipe Length-Galvanized	46DVA-60	4DT-60	N/A	N/A	N/A	N/A	N/A
60" Pipe Length-Black	46DVA-60B	4DT-60B	N/A	N/A	N/A	N/A	N/A
Adjustable Length 3"-10"-Galvanized	N/A	N/A	N/A	4DAL	N/A	TC-4DLT	N/A
Adjustable Length 3"-10"-Black	N/A	N/A	N/A	4DALB	N/A	TC-4DLTB	N/A
Adjustable Length 7"-Galvanized	N/A	N/A	4D7A	N/A	N/A	N/A	N/A
Adjustable Length 7"-Black	N/A	N/A	4D7AB	N/A	N/A	N/A	N/A
Extension Pipe 8-1/2"-Galvanized	46DVA-08A	N/A	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	N/A
Adjustable Length 12"-Galvanized	N/A	N/A	4D12A	N/A	SV4LA12	TC-4dLSI	N/A
Adjustable Length 12"-Black	N/A	N/A	4D12A	N/A	SV4LBA12	TC-4dLSIB	N/A
Extension Pipe 16"-Galvanized	46DVA-16A	N/A	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	N/A
45º Elbow-Galvanized	46DVA-E45	4DT-EL45	4D45L	N/A	N/A	TE-4DE45	VDV-EL0445
45º Elbow-Black	46DVA-E45B	4DT-EL45B	4DT-EL45B	N/A	N/A	TE-4DE45B	VDVB-EL0445
45º Elbow Swivel-Galvanized	See 46DVA-E45	N/A	N/A	4D45L	SV4E45	N/A	N/A
45º Elbow Swivel-Black	See 46DVA-E45B	N/A	N/A	4D45LB	SV4EB45	N/A	N/A
90º Elbow-Galvanized	46DVA-E90	4DT-EL90S	4DT-EL90S	N/A	N/A	TE-4DE90	VDV-EL0445
90º Elbow-Black	46DVA-E90B	4DT-EL90SB	4DT-EL90SB	N/A	SV4EBR90-1	TE-4DE90B	VDVB-EL0445
90º Elbow, Swivel-Galvanized	See 46DVA-E90	N/A	N/A	4D90L	SV4E90-1	N/A	N/A
90º Elbow, Swivel-Black	See 46DVA-E90B	N/A	N/A	4D90LB	SV4EB90-1	N/A	N/A
90º Starter Elbow, Swivel-Galvanized	N/A	N/A	N/A	4D90A	N/A	N/A	N/A
Adaptor*	N/A	N/A	N/A	4D90L	N/A	N/A	VDV-UAA04
Ceiling Support	N/A	4DT-CS	4DSP	4DFSP	SV4SD	TM4-RDS	VDV-SCR04
Cathedral Support Box	46DVA-CS	4DT-CSS	4DRSB	4DRS	SV4CSB	TM4-SDS	VDV-CSS04
Wall Support/Band	46DVA-WS	4DT-WS/B	4DWS	4DWS	SV4BM	TM-SWS	VDV-WS04

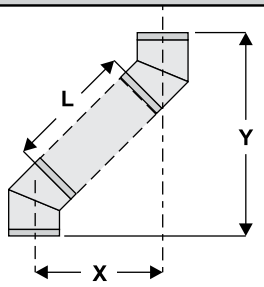
*Not available at Regency

4"x 6-5/8" Rigid Pipe Cross Reference Chart (Power Vent)

Description	Simpson Direct Vent Pro®	Selkirk Direct Temp™	American Metal Products® Amerivent Direct	Metal-Fab™ Sure Seal	Security Secure- Vent®	ICC Excel Direct	Olympia Ventis DV*
Offset Support	46DVA-ES	4DT-OS	N/A	N/A	SV4SU	TM-SOS	N/A
Wall Thimble-Black	46DVA-WT	4DT-WT	4DWT	4DWT	SV4RSM	N/A	VDV-WPT04
Wall Thimble Support/Ceiling Support	46DVA-DC	N/A	N/A	N/A	SV4PF	N/A	N/A
Firestop Spacer	46DVA-FS	4DT-FS	4DFSP	4DFS	SV4BF	TM-4CS	VDV-FS04
Trim Plate-Black	N/A	4DT-TP	4DFPB	4DcP	SV4LA	TM-4TP	VDV-WTC04
Attic Insulation Shield 12”	46DVA-IS N/A@ FPI	N/A	4DAIS12	DDIS	SV4RSA	N/A	VDV-AIS04
Attic Insulation Shield - Cold Climates 36”	N/A	N/A	4DAIS12	N/A	N/A	TM-4AS	N/A
Wall Firestop	46DVA-WFS	N/A	N/A	N/A	N/A	TM-4TR	VDV-FS04

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

Pipe Length (L)	4” x 6-5/8” Venting	
	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)



For specific instructions on venting components - visit the manufacturers website listed below.

- Simpson Direct Vent Pro: www.duravent.com
- Selkirk Direct-Temp: www.selkirkcorp.com
- American Metal Products: www.americanmetalproducts.com
- Metal-Fab Sure Seal: www.mtlfab.com
- Security Secure Vent: www.securitychimneys.com
- Industrial Chimney Company: www.icc-rsf.com
- Olympia Ventic DV: www.olympiachimney.com

Introduction (Power Vent)

IMPORTANT

- **The instructions contained in this manual must be read carefully prior to installation of this appliance.**
- **120 Volt AC power is required for this appliance to operate. A receptacle box, receptacle, and cover are provided. See the "Wiring the Unit" section in this manual. Electrical power must be brought to the appliance by a licensed electrician.**

The City Series power vent system is designed to allow the installation of this gas appliance when typical vent configurations (Non-Power Vent Direct Vent Systems With no Fan Assist) are not possible due to excessive offsets, long or negative vent runs, etc.

When installed as a power vent appliance, this unit is designed to use flex or rigid venting.

NOTES

The City 50, 60, 72 models come with a 5" inner and 8"outer collar which must be reduced to 4" inner x 6-5/8" outer (102 mm x 168 mm) in all applications. See required reducers required as per below depending if using rigid/flex pipe.

The Vent Pipe Adaptor must always be used for Power Vent System: See below " Pipe Adaptor & Reducer CHART".

Vent Pipe Adaptor & Reducer Chart

	Ridge Pipe Adaptor	Flex Pipe Reducer
City 60 & 72 Series	5" x 8" Adaptor (770 - 994)	4" x 6 ⅝" Reducer (946 - 758)
	4" x 6 ⅝" Collar Reducer (946 - 606)	

NOTES

- Rigid pipe is approved for up to 72 feet (21.95 m).
- Flex pipe is approved for up to 40 feet (12.19 m) using 2 X 946-756-- 20 foot (6.10 m) flex kits.

There are two options available when installing this unit as a power vent appliance:

- End of line flush horizontal power vent system (Part #946-535): flush power vent fan acts as the termination cap and sits flush to the outside wall. Allowed for horizontal termination only.

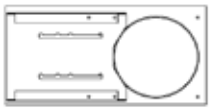
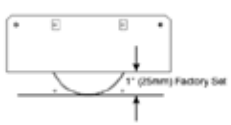


- Inline power vent system (Part #666-945): power vent fan terminal is incorporated into the vent run - allows for both horizontal and vertical termination.



This unit may be terminated vertically or horizontally using the Power Vent Systems available. See the following pages for various vent configurations using rigid or flex & vertical or horizontal terminations. The instructions contained in this manual must be read carefully prior to installation.

Vent Restrictor Position

	City 50 Series, City 60 Series City 72 Series	City 40 Series
In_Line	Full open	Full open
End_Line	Full open	**1" Open**
Ristrictor Position		In-Line  End-Line 

Note: For specific installation instructions for both In line and End of line, see power vent system instruction manual which may be found in the QR code located below. The following pages in this manual will only detail allowable vent configurations for both inline and end of line vent power vent systems. Part # of the Power Vent System manual is 920-544.

Power Vent System Manual

Minimum Vent Clearances to Combustibles

Horizontal Top	3" (76mm)
Horizontal Side	2 " (51mm)
Horizontal Bottom	2" (51mm)
Vertical Vent	2" (51mm)

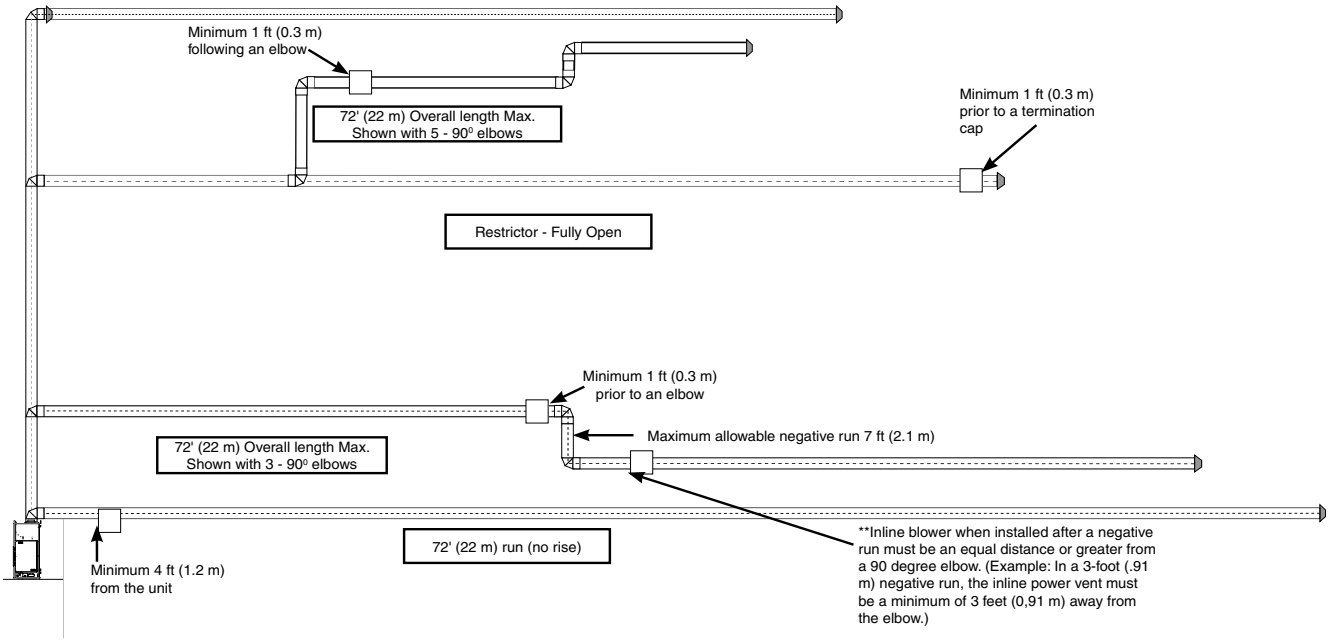
Vent Chart for Power Vent Only
Horizontal Terminations - Inline Horizontal Vent Chart

This section is for the Power Vent System installation. For a detailed installation information, refer Power Vent System installation instructions that comes with the Power Vent Kit. When you install the Power vented fireplace, you need one of the following Power Vent System Kit depending your venting layout. For the complete Power Vent installation, refer the Power Vent System installation instruction in Power vent system Kit.
In line Power Vent Kit **# 666-945**

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR 770-994 AND 946-606 PIPE REDUCER TO 4" X 6 5/8" (102 mm x 168 mm).
FLEX VENT: MUST USE REDUCER 946-758 TO 4" X 6 5/8" (102 mm x 168 mm).

NOTES
- **Rigid pipe is approved for up to 72 feet (22 m).**
- **Flex pipe is approved for up to 40 feet (12.2 m) using two 20 foot (6.1 m) flex kits (part # 946-756).**
- **This model comes with a 5" (127 mm) inner and an 8" (203 mm) outer collar which must be reduced to 4" x 6-5/8" (102 mm x 168 mm) in all applications.**
- **Must be terminated horizontally. Vertical terminations are not permitted.**

The gas power vent system is designed to allow the installation of a gas appliance when typical vent configurations (shown in this manual) are not possible.

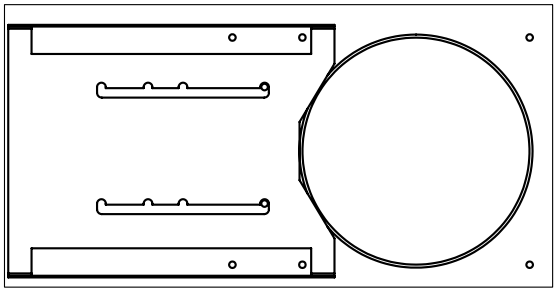


IMPORTANT
- **Maximum total vent length (based on overall length of combined chimney components) = 72' (22 m)**
- **Maximum total negative vent length = 7' (2.1 m).**
- **Do not run positive venting after a negative run.**
- **Maximum of six - 90° elbows permitted.**
- **One 90° elbow = two 45° elbows.**
- **Minimum 4' (1.2 m) from the unit prior to terminating.**

Inline power vent location restrictions:
Minimum 4 ft (1.2 m) from the unit
Minimum 1 ft (0.3 m) prior to an elbow.
Minimum 1 ft (0.3 m) following an elbow.
Minimum 1 ft (0.3 m) prior to a termination cap.
When the inline blower is installed after a negative run, for every foot of negative run the inline blower must be an equal distance or greater from the 90-degree elbow. See example above.

Vent Restrictor Position

No vent restrictor required.



Set 0
Fully open
Factory Set

Vent Chart for Power Vent Only

Horizontal Terminations - End of Line Horizontal Vent Chart

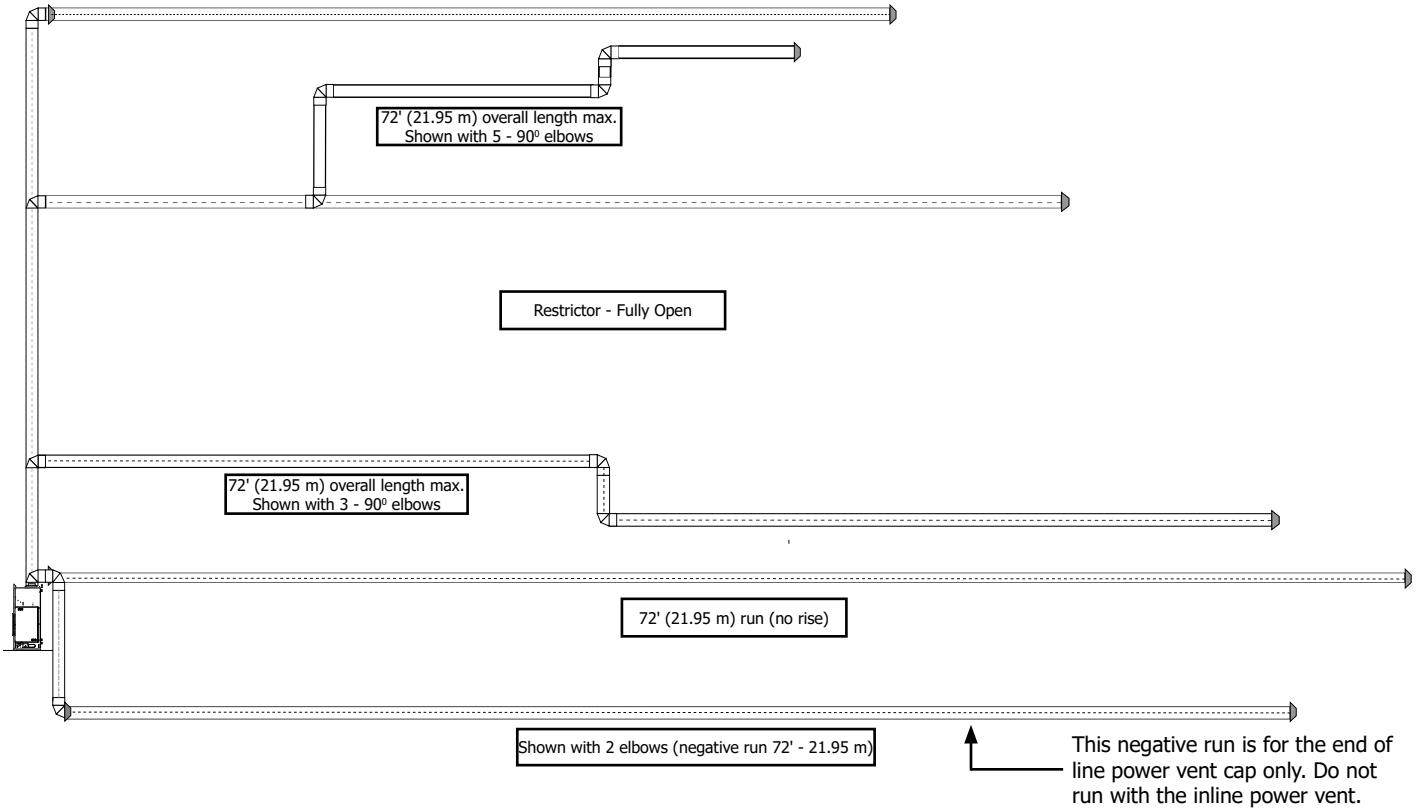
For the complete Power Vent installation, refer the Power Vent System installation instruction in Power vent system Kit
End Line Power Vent Kit **# 946-535**

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR 770-994 AND 946-606 PIPE REDUCER TO 4" X 6 5/8" (102 mm x 168 mm).
FLEX VENT: MUST USE REDUCER 946-758 TO 4" X 6 5/8" (102 mm x 168 mm).

NOTES

- **Rigid pipe is approved for up to 72 feet (22 m).**
- **Flex pipe is approved for up to 40 feet (12.2 m) using two 20 foot (6.1 m) flex kits (part # 946-756).**
- **This model comes with a 5" (127 mm) inner and an 8" (203 mm) outer collar which must be reduced to 4" x 6-5/8" (102 mm x 168 mm) in all applications.**
- **Must be terminated horizontally. Vertical terminations are not permitted.**

The gas power vent system is designed to allow the installation of a gas appliance when typical vent configurations (shown in this manual) are not possible.

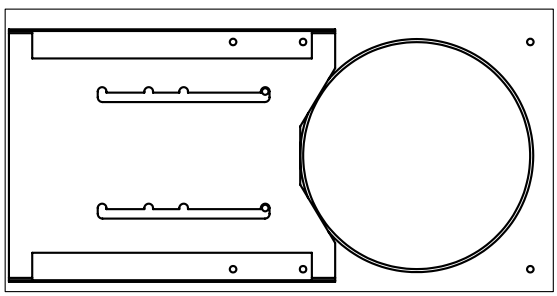


IMPORTANT

- **Maximum total vent length (based on overall length of combined chimney components) = 72' (21.95 m)**
- **Maximum total negative vent length = 7' (2.1 m).**
- **Do not run positive venting after a negative run.**
- **Maximum of six - 90° elbows permitted.**
- **One 90° elbow = two 45° elbows.**
- **Minimum 4' (1.2 m) from the unit prior to terminating.**

Vent Restrictor Position

No vent restrictor required.



Set 0
Fully open
Factory Set

Venting Arrangement for Vertical Terminations
Inline Power Vent Rigid/Flex
In line Power Vent Kit # 666-945

Vertical venting with straight vertical venting and or with a max. of six (6) 90° Elbows (1 - 90° = 2 - 45°)

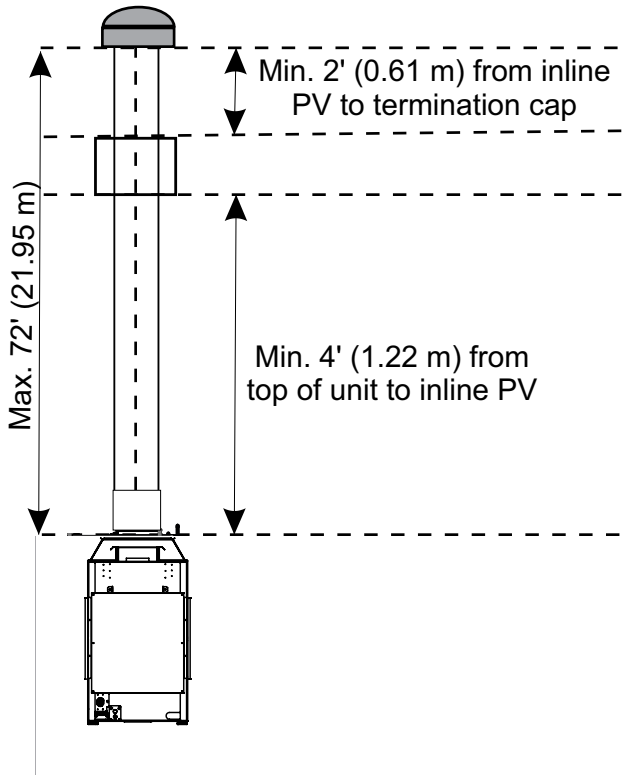
NOTES
- Rigid pipe is approved for up to 72 feet (22 m).
- Flex pipe is approved for up to 40 feet (12.2 m) using one 20 foot (6.1m) 20 foot Vertical Flex kit (part # 946-755) & one 20 foot (6.1 m) extension flex kit (part # 946-756).

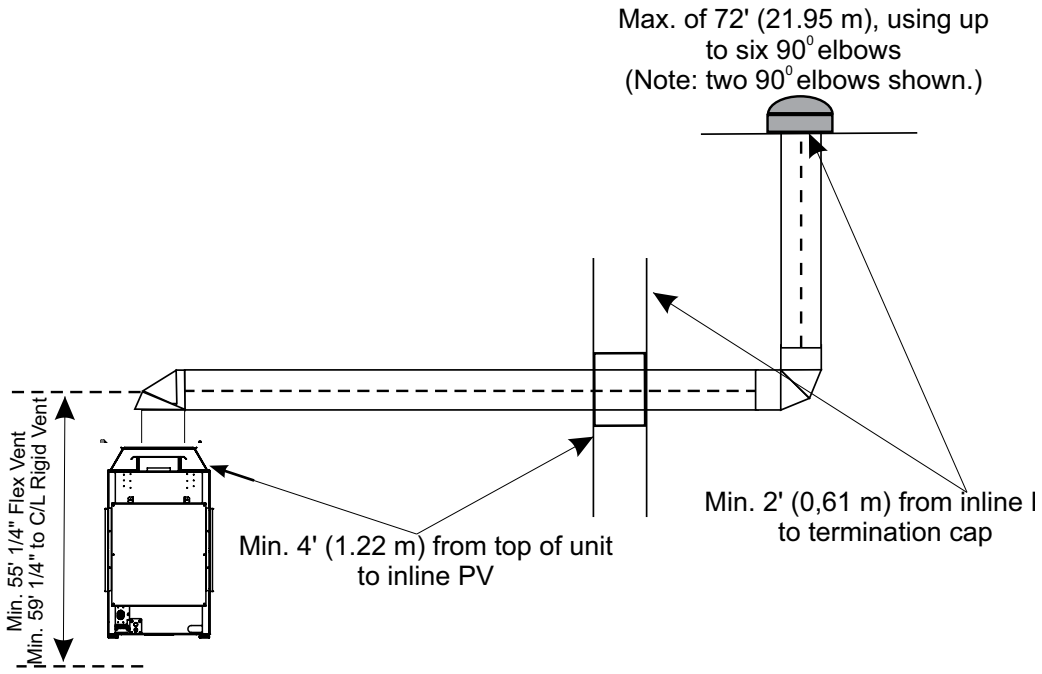
- Two 45° elbows equal to one 90° elbow.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (0.3 m).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.91 m).
- Firestops are required at each floor level and whenever passing through a wall.

Restrictor set on 0 (fully open) regardless of vent run.

Inline power vent location restrictions:
- Minimum 4 ft (1.2 m) from the unit.
- Minimum 1 ft (0.3 m) prior to an elbow.
- Minimum 1 ft (0.3 m) following an elbow.
- Minimum 2 ft (0.6 m) prior to a termination cap.
- Minimum 2 ft. from inline PV to termination cap.
- Minimum 4' from top of unit to inline PV.
- Max. of 72' (22 m), using up to six 90° elbows
- (Example shows two 90° elbows).
- No negative runs.

NOTE
- The inline power vent must be installed within the confines of the home/structure.



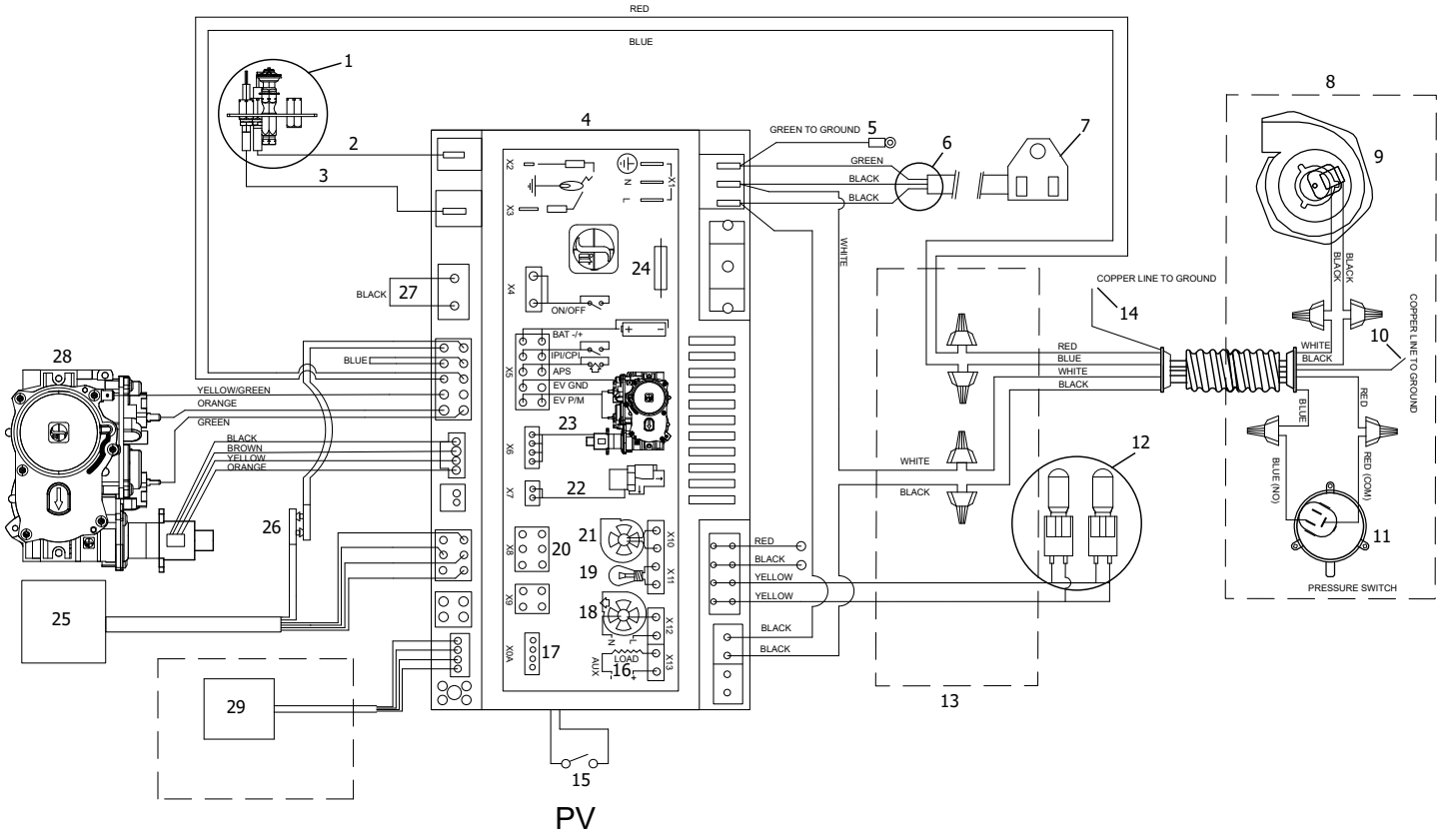


Wiring Diagram - Power Vent Application

Power Vent Model: 120VAC Power is required to operate unit when installed as a power vent.
This appliance will not operate if 120 volt power is lost within the home.

CAUTION

- **Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.**
- **Ensure that the wires do not touch any hot surfaces and are away from sharp edges.**
- **This appliance is equipped with a three-prong (grounding) plug for 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 the plug.**
- **Electrical power must be brought to the appliance by a licensed electrician. Do not cut the ground terminal off under any circumstances.**



PV

Item	Part #	Description
1	911-280	Pilot Assembly NG
	911-280	Pilot Assembly LP
	W840470	Pilot Gasket (not shown)
2	911-110	Spark Electrode
3	911-111	Flame Sensor Electrode
4	911-311/PV	PFII IFC Board
5	N/A	Green to Ground
6	911-344	Power Harness w/ Aux Connector
7	911-253-ASM	Main Power
8	946-535/666-945	Power Vent
9	911-305/P (Inline)	Fan Motor

Item	Part #	Description
	911-244/P (End of Line)	
10	N/A	Copper Line to Ground
11	911-112 (Inline)	Pressure Switch
	911-112/P (End of Line)	
12	911-208	Light Housing Assembly (Bulb Not included)
13	666-138	Electrical Shielding Box
14	N/A	Copper Line to Ground
15	911-314	PV Switch
16	N/A	Load

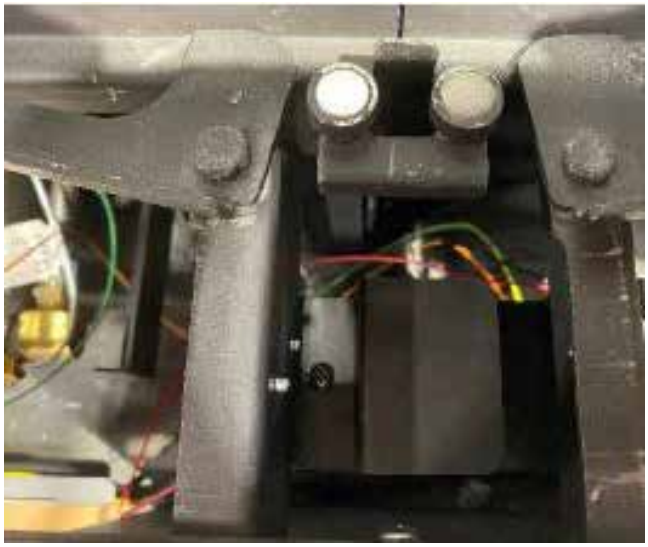
Item	Part #	Description
17	N/A	Diagnostic Interface
18	N/A	Combustion Blower
19	N/A	Lamp
20	N/A	User Interface
21	N/A	Comfort Fan
22	N/A	Split Flow
23	N/A	Motor
24	911-182	Fuse 3.15 Amp Fast Acting
25	911-337/P	Battery Holder
26	911-181	Battery Connection
27	911-193	Connector w/ Jumper
28	911-188	Gas Valve NG
28	911-189	Gas Valve LP
29	946-799	SIT WIFI Dongle Kit

Non Power Vent/Power Vent Switch

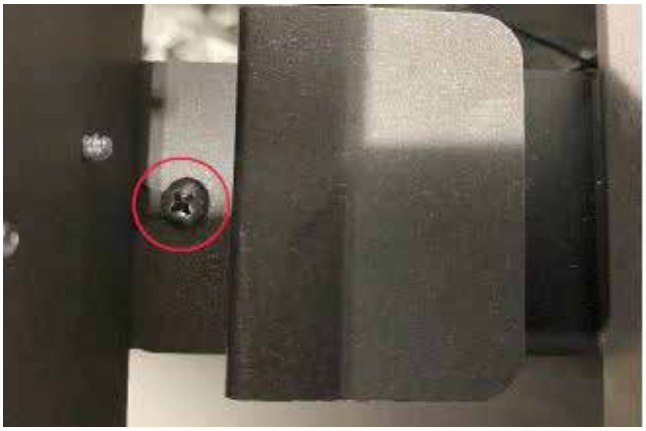
NOTE

To access the switch, remove the screw and pull the cover off as shown below.

1. Locate the power vent switch cover.



2. Remove the screw and pull the cover off.



3. Flip the switch to power vent mode (O) as shown.



Inner Glass Panel Installation / Removal

Note: glass panels must be installed to operate fireplace

WARNING: GLASS HANDLING

We recommend using the glass vacuum holders supplied by the manufacturer. Lower the glass to rest in a safe place to prevent damage to the glass edges. Extra care must be taken when removing/installing the glass; breakage or damage to the edge of the glass which occurs as a result of careless handling is not covered under warranty.

- **We recommend handling the glass with the supplied vacuum clamps.**
- **When removing glass, prepare a soft, scratch-resistant surface to place the firebox glass.**
- **Never clean or remove hot glass.**

Note: The suction cups may leave a round film on the glass when used. Ensure that the glass is cleaned using a fireplace glass cleaner after each removal, and prior to operating the appliance.

1. Remove outer safety barrier glass panels if previously installed–see instructions in this manual.

2. Remove outer panels installed in unit - see panel removal section in this manual.

Press glass vacuum clamps in open position firmly onto surface of glass. Bring handles together to close.



Open



Closed

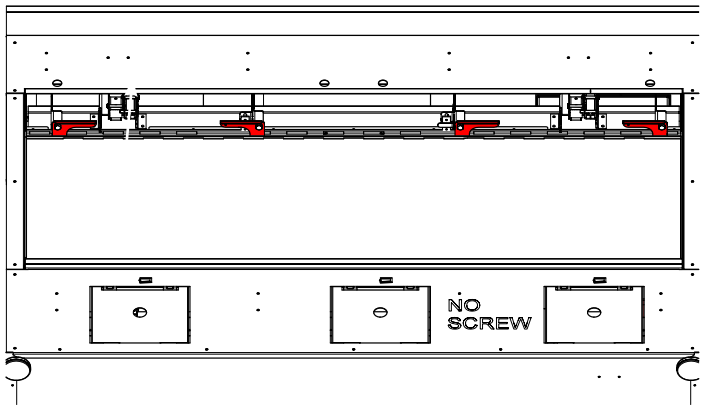


Handle glass with supplied vacuum clamps

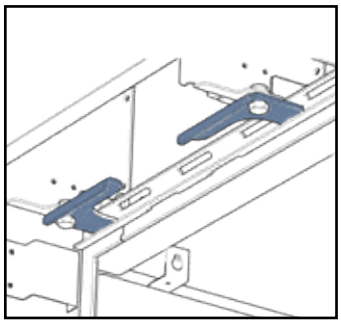
[Glass removal video]

Note--the following installation diagrams do not include the vacuum clamps but it is strongly recommended to use clamps at all times when handling the firebox glass.

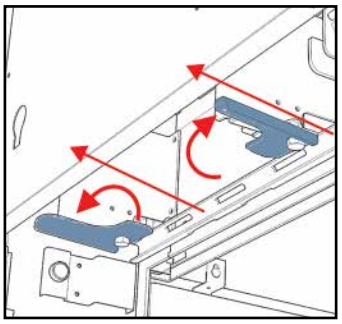
3. Open the 4 clamps at the top of the glass.



With the top clamps in open position, use your hands to pull the two glass gasket rails towards you.

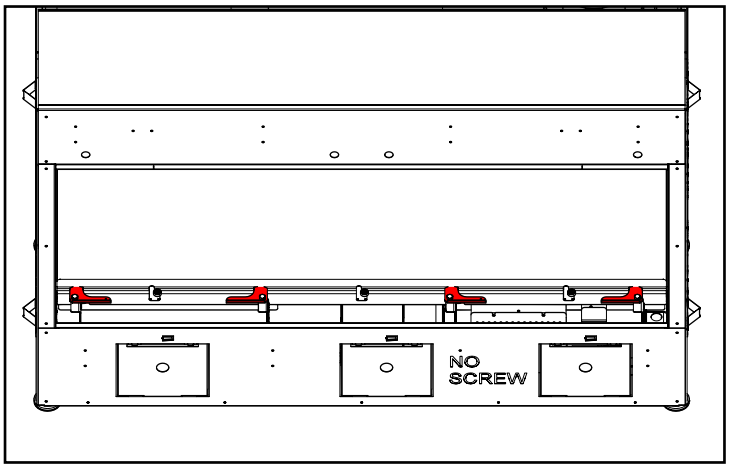


Clamps in closed position



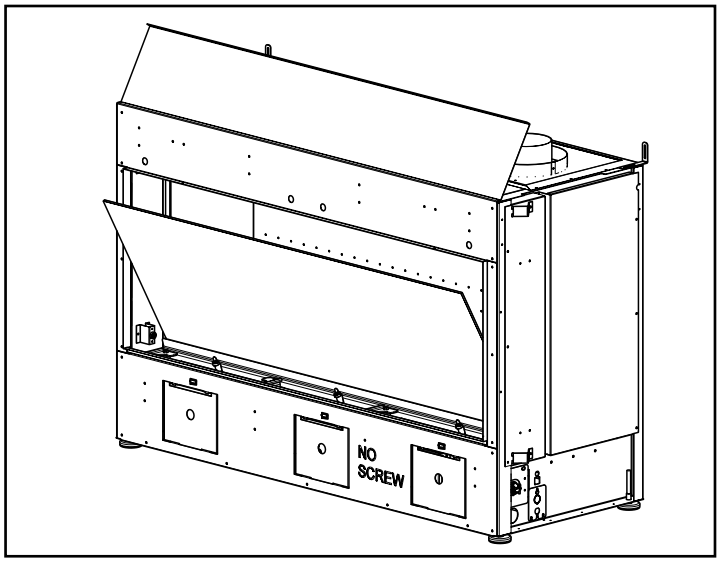
Clamps in open position, rail pulled forward

4. Support the glass with one hand and open the 4 lower clamps.



Lower clamps (x4) in open position

5. Carefully move bottom of glass panel into the support channel as shown below. The glass will lean outwards.



Glass panel--leaning on support

NOTE: The firebox glass may remain propped on the glass supports to clean the interior surface. Use care when cleaning -- do not apply excessive force or pressure.

6. **To remove the firebox glass panel from the unit**: tilt the glass forward gently, grip both suction clamps and lift the glass up and out of the unit.

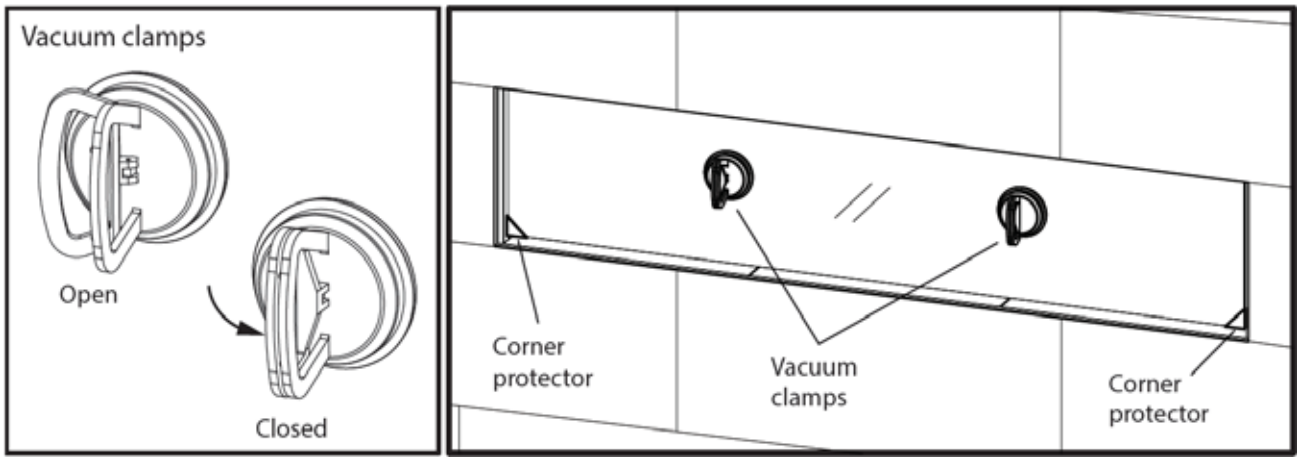
7. To install glass--reverse steps.

IMPORTANT: Remove glass panel completely when installing or removing panels, logs, media, etc. to avoid causing any damage to the glass.

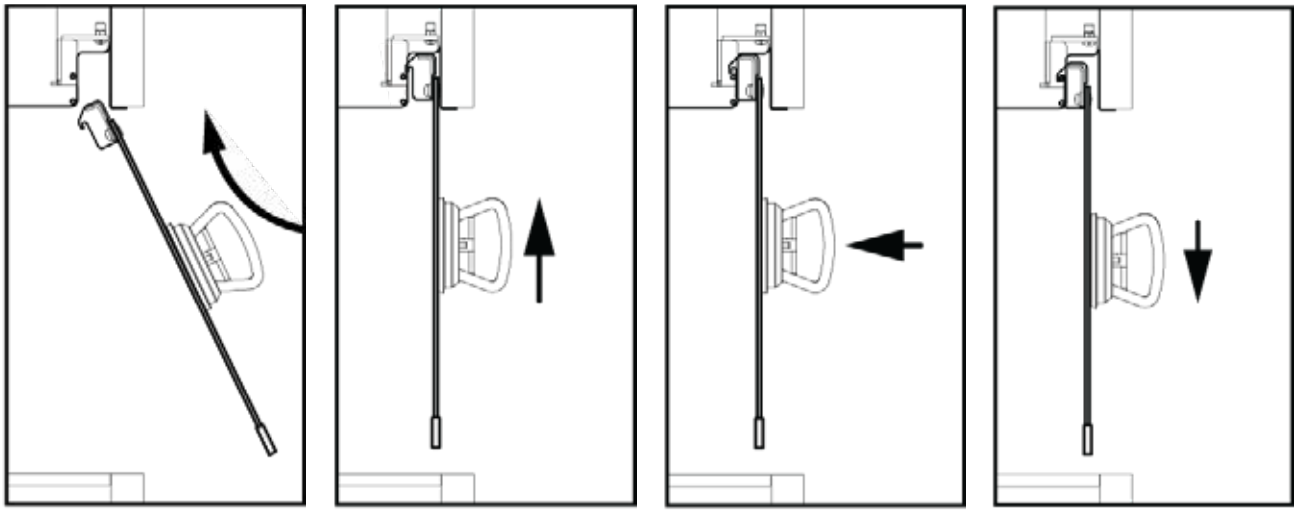
Glass Barrier Installation

Glass Safety Barrier Removal:

1. Ensure the fireplace is operating properly and all firebox glass and liner panels are installed prior to installing the glass safety barrier.
2. Remove the protective peel from the glass safety barrier and clean the inner surface. Identify the hooks on the glass safety barrier; these indicate the inner surface.
3. Attach the vacuum clamps to the glass as shown on the outer surface. Press the vacuum clamps against the glass, then close the clamps while maintaining pressure on the glass.
4. Slide the corner protectors onto the bottom corners of the glass.

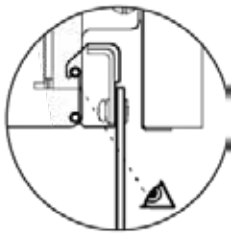


5. Holding the glass barrier in front of the unit, slide it up behind the top lip of the unit. Lift the barrier up as far as it goes, then hook the barrier onto the unit.



Slide behind the top lip | Lift up | Push forward | Lower onto hooks

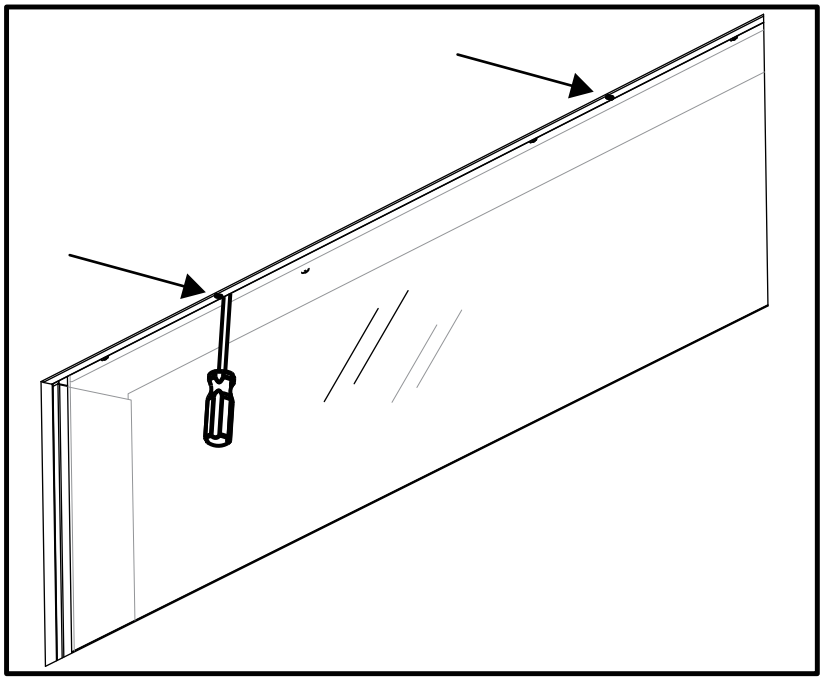
6. Ensure that hooks are sitting over their pins and that the glass is sitting level and centered in the opening.
7. Remove the vacuum clamps and corner protectors.
8. To remove the glass, see the owner's manual.

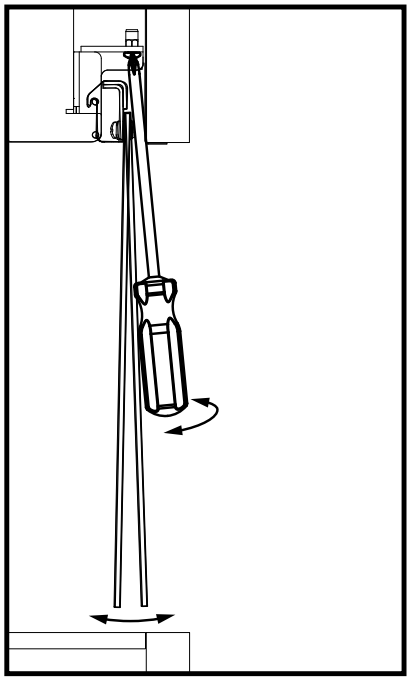


Glass barrier removal video

Glass Barrier Adjustment

If glass isn't hanging straight, use a phillips screwdriver to adjust the angle.
Clockwise = angles barrier out toward you
Counter clockwise = angles barrier in towards the unit.





Slide the screwdriver straight up at the two indicator slots.

Inner Black Steel/Enamel Panel Installation (Part #487-907/487-908)

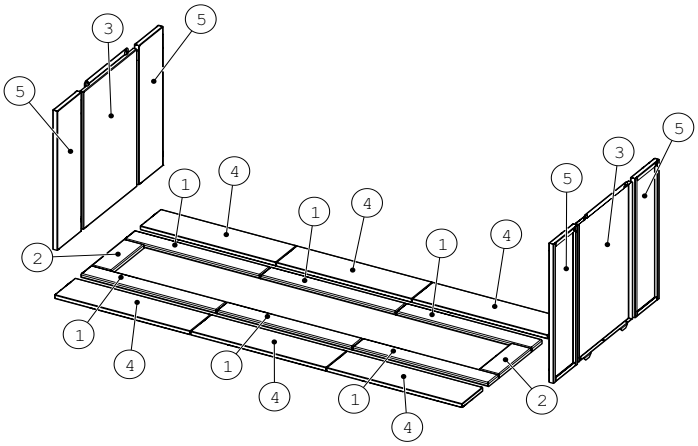
BEFORE YOU START
Black Enamel Panels
• Black Enamel panels must be inspected for scratches and dimples prior to installation. All claims to be recorded at this time. Claims for damage after installation will not receive consideration.
• Black Enamel panels will discolor a little during normal operation. This is normal and should not be considered a defect.
• All hand and finger marks **MUST** be cleaned off with a soft cloth. Use an ammonia based cleaner (ie. glass cleaner) to remove any fingerprints before applying heat to the unit. • **Failure to do this will result in burn stains on panels which you will be unable to remove.** Not protected by product warranty.

Sheet metal components may have sharp edges. Please handle with care. The enamel panels require an insulation panel installed behind them. Failure to do so may result in an elevated operating temperature and premature failure of the appliance. The Insulation panels may contain fibre glass or ceramic elements. These may become airborne or stick to carpets and/or clothing. Handle with caution.

The use of work gloves and dust masks is recommended when handling panels and insulation.

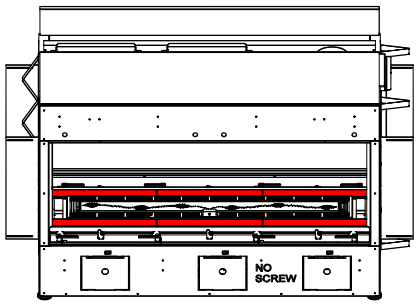
Turn off gas and power to unit and allow to cool to room temperature. Remove the safety glass and firebox glass at one side only (whichever is accessible)— see manual for instructions.

1. Identify panels and the order of their installation.

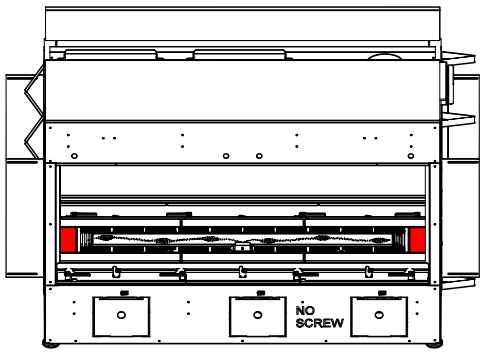


#1 x 6 2-3/16" (56 mm) x 16-1/4" (412 mm)
#2 x 2 2-1/4" (57 mm) x 6-3/4" (171 mm)
#3 x 2 11-1/16" (281 mm) x 17-11/16" (449 mm)
#4 x 6 4-5/16" (110 mm) x 16-1/4" (412 mm)
#5 x 4 5" (127 mm) x 17-7/8" (454 mm)

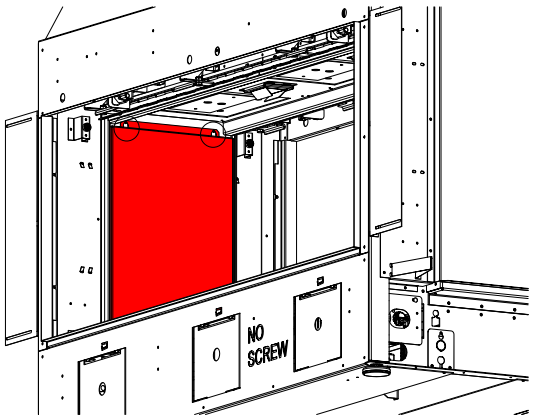
2. Place the six #1 panels into the firebox as shown below.



3. Drop the two #2 panels into the firebox on the left and right ends as shown below.

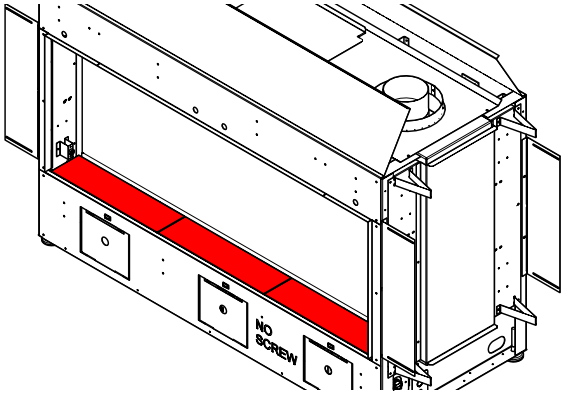


4. Install the 2 screws loosely on the sides of the firebox and place the two #3 side panels in the sides of the firebox as shown below.



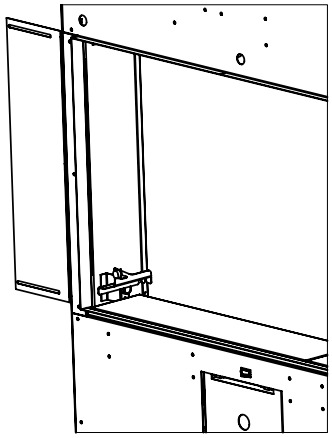
5. Clean panels with a cloth. Add the desired media or logs before installing the inner firebox glass. See this manual for instructions on how to install the firebox glass.

6. Install the 3 #4 panels as shown below.

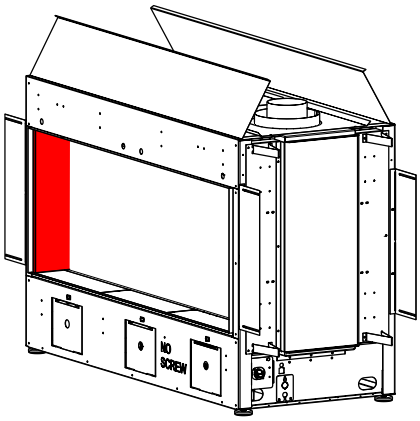


NOTE: One side shown only. Repeat steps for other side.

7. Optional: install the glass barrier stopper. If the unit doesn't have a glass stopper, proceed to the next step.



8. Slide the side #5 outer panels between the wall and the barrier stopper bracket. Repeat steps to install the remaining three #5 outer panels using a barrier stop where required.



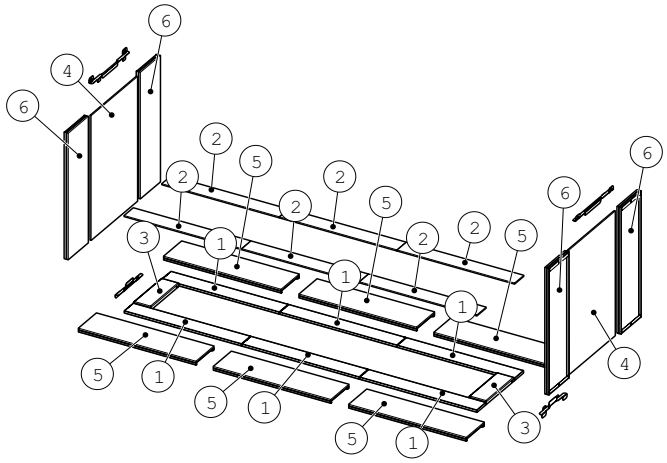
9. Clean the outer panels with a cloth before installing the safety outer barrier glass. To install the safety glass, see this manual for instructions.

Inner Black Glass Panel Installation (Part #487-906)

1. Turn off power and gas to unit and allow to cool to room temperature. Remove the safety glass and firebox glass at one side only (whichever is accessible)— see manual for instructions.

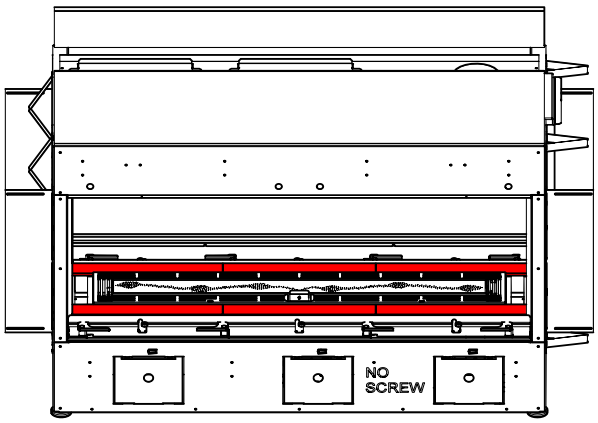
Note: The screws to secure all clips mentioned in these instructions are on the appliance already. Simply remove and reinstall.

2. Identify panels and order of installation.

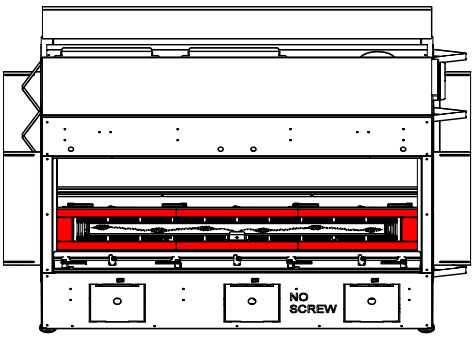


Item	Qty	Description
1	6	2-3/16" (56 mm) x 16-1/4" (412 mm) steel panel
2	6	2-3/16" (56 mm) x 16-1/4" (412 mm) glass panel
3	2	2-1/4" (57 mm) x 6-3/4" (171 mm) steel panel
4	2	11-1/16" (281 mm) x 17-11/16" (449 mm) glass panel
5	6	4-5/16" (110 mm) x 16-1/4" (412 mm) combined panel
6	4	5" (127 mm) x 17-7/8" (454 mm) combined panel

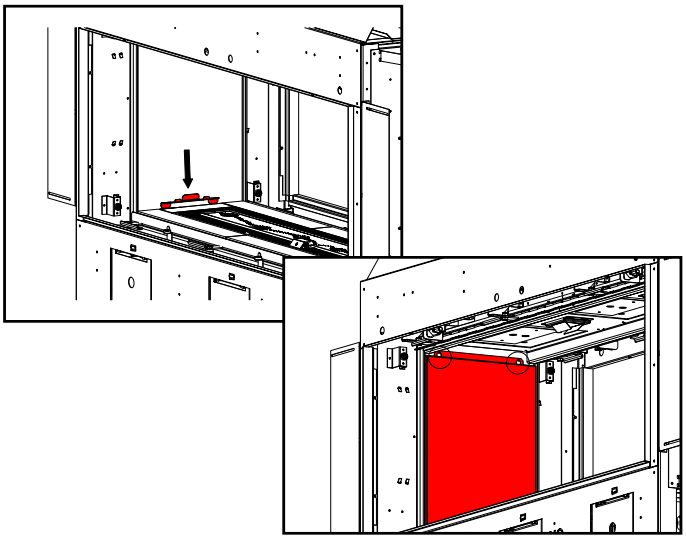
3. Drop the 6 #1 inner steel panels into the firebox as shown below.



4. Drop the 6 #2 inner glass panels in. The glass panels should be on top of the steel panels. Install the 2 #3 inner side steel panels to the ends of the burner.

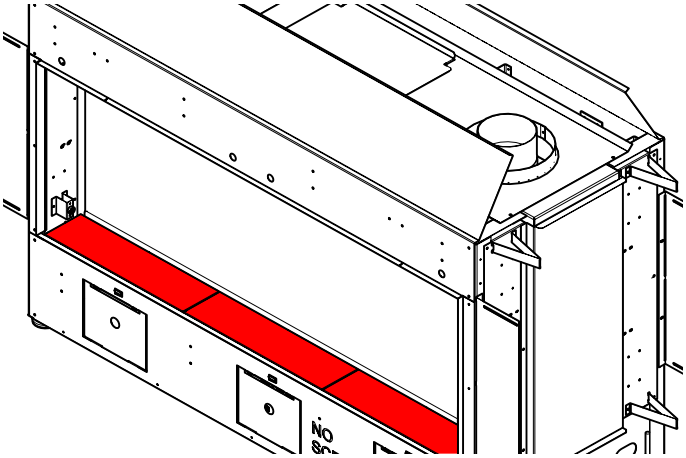


5. Slide the side glass panel #4 into the bottom side bracket and secure the side glass by mounting the top bracket and tightening the 2 screws. Do for both sides.



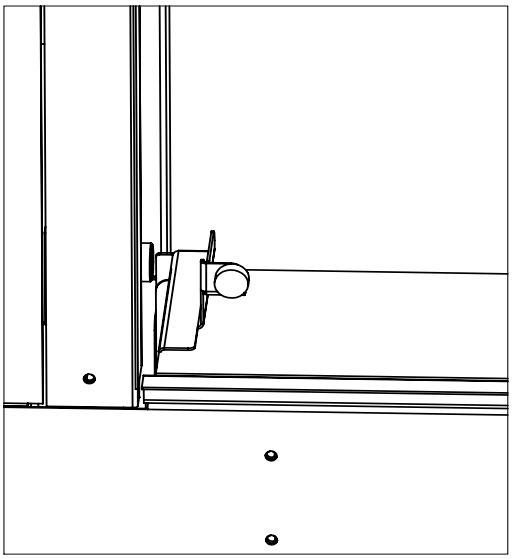
6. Clean panels with a cloth. Add desired media or logs before installing the inner firebox glass. See this manual for instructions on how to install firebox glass.

7. Install the 3 #5 outer front panels as shown below.

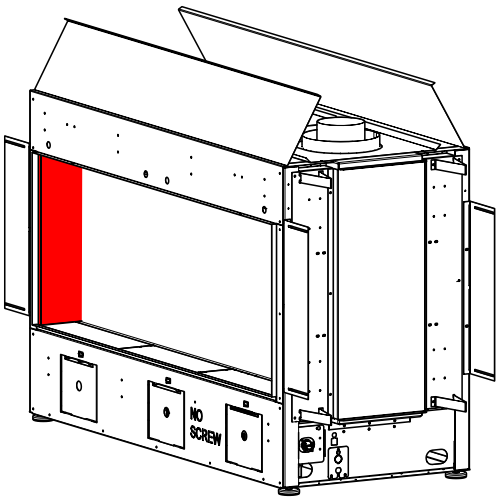


NOTE: One side shown only. Repeat steps for other side.

8. Optional: install the glass barrier stopper. If the unit doesn't have a glass stopper, proceed to the next step.



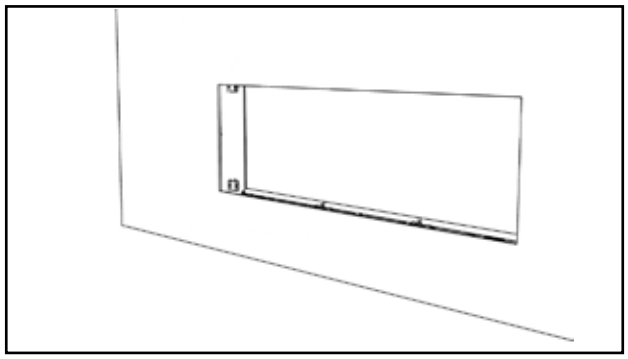
9. Slide the side outer #6 glass panels between the wall and the barrier stopper bracket. If the unit does not have a barrier stopper, stick the side outer panels to the magnets.



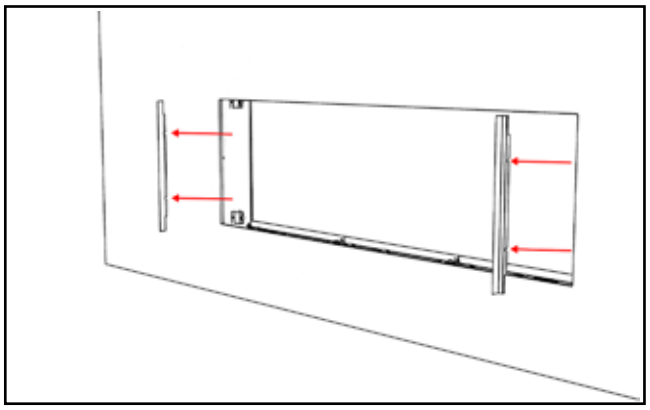
10. Clean the outer panels with a cloth before installing the safety outer barrier glass. To install the safety glass, see this manual for instructions.

Clean Trim Faceplate Installation

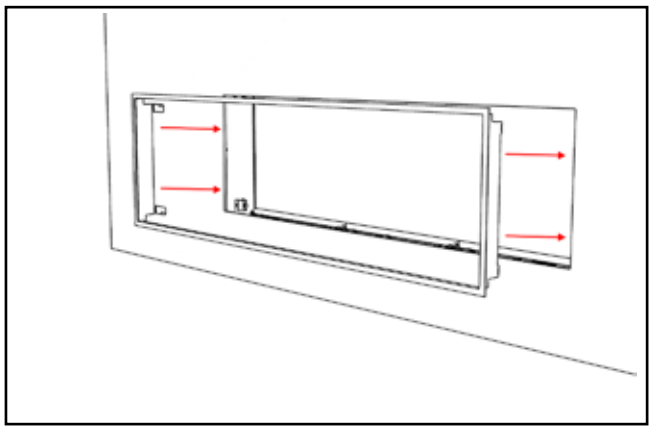
1. Frame in fireplace and install finishing material. Clean trim faceplate can accommodate finishing materials of 1/2" (13 mm) to 1 1/8" (29 mm).



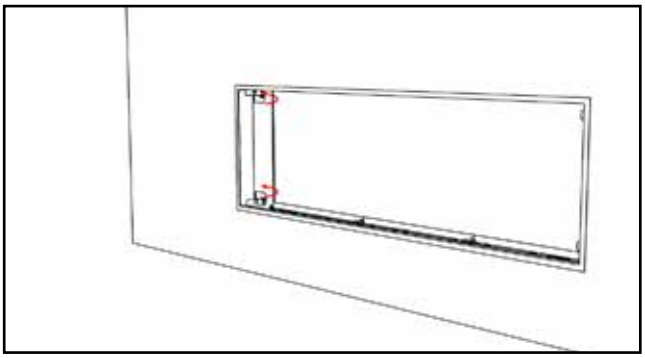
2. Prior to installing outer liner panels and barrier glass, remove finishing trim plates from right and left sides.



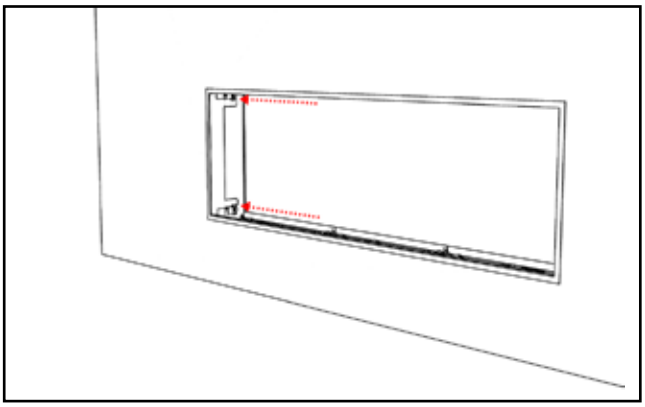
3. Insert clean trim faceplate into fireplace opening.



4. Hand bend attachment tabs so they bend past the magnets to the mounting bracket.



5. Affix clean trim faceplate with self-tapping scews included in the box.



Burner and Firebox Media Options

IMPORTANT NOTE: Only the supplied approved media are to be used with these fireplaces. Use of any other type of glass or stones can alter the unit's performance. Any damage caused by the use of any unapproved glass or stones will not be covered under warranty.

When using Ceramic Spa/Volcanic Stones ensure required glass crystals / beads are used as a base. DO NOT overstack Ceramic Spa Stones or Volcanic Stones on burner or in the pilot area.

Spread media evenly and ensure glass/stones do not overlap excessively. Media must be installed on & around burner only in amounts noted below.

Install river pebbles, firebeads, and 3/4" crushed glass around the burner only. Maximum of 30 pcs 3/4" Andiron Black Embers can be added on the burner. Media should only cover up to a maximum of 50% of the burner surround.

*Media **not supplied** with the unit - must be purchased separately.*
For installation of media with a log set, refer to the log set instructions.

Required Media - Used on the burner (Pick one)

	Part Number	Description	Quantity Usage
	946-675	Fireglass Black	1.5 lbs (0.70 kg)
	946-676	Fireglass Copper	1.5 lbs (0.70 kg)
	946-677	Fireglass Starfire	1.5 lbs (0.70 kg)
	946-783	Andiron Black Embers	0.62lb (0.28kg)

*Glowing wool black sea (946-634) is supplied with the unit.

Optional Media - Used around the burner



Volcanic Stones

946-710	Slate/Grey	1.5 Boxes (22 lbs / 10 kg)	
946-711	Ivory/Tan	1.5 Boxes (22 lbs / 10 kg)	*Shown*
If installed with shale media		7 pcs (up to)	



Crushed Glass

946-780	Black	2 Boxes (7 lbs / 3.2 kg)	
946-781	Iceberg	2 Boxes (7 lbs / 3.2 kg)	*Shown*



Firebeads

946-735/739	Black	7 lbs (3.2 kg)	
946-737/741	Glacier Ice	7 lbs (3.2 kg)	
946-738/742	Caramel Luster	7 lbs (3.2 kg)	*Shown*

Note: 1lb / 5 lb bag



Ceramic Spa Stones

946-674	Spa Stones	3 Boxes	*Shown*



Embers

946-783	Andiron Black	2 Boxes (2 lbs / 1 kg)	*Shown*



River Pebbles

946-672	River Pebbles	1 Box	*Shown*



Shale

946-860	Black & Grey (1lb)	1.375 lb (0.62 kg)	*Shown*

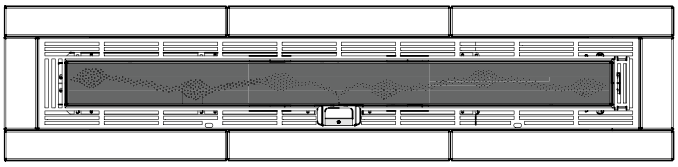
Fire Balls Media (18 Pcs) Installation (Part #946-793)

NOTE:
Regardless of options chosen, fireglass must be installed on the burner in all cases.

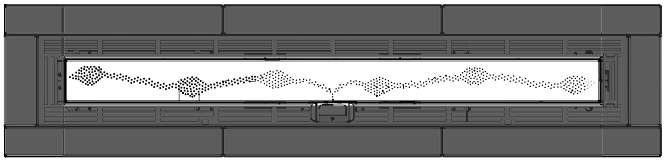
IMPORTANT:

- Use supplied, approved media only with your fireplace. Use of other media can alter the unit's performance and cause damage, which is not covered under warranty.
- Spread the media evenly over the burner. Ensure the glass/stones do not overlap excessively as this will affect the flame pattern.
- Avoid covering the burner ports with fire balls as sooting may occur.

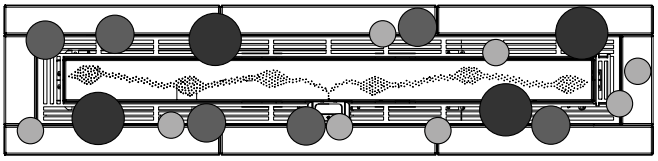
1. Evenly spread black fireglass (1.5lb) and glowing wool on the burner.



2. Install the 3.5 lb box of black charcoal glass and 1 lb of Andiron embers around the burner. Make sure the burner surround is only 50% covered.



3. Place the various sized fire balls as shown. Ensure the fire balls do not cover any of the buner ports.





Final Installation

Optional Log Set Installation

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

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

*Dark brown paint is included if touch ups are required.

Note: These instructions apply to all 3 log sets (driftwood,Birch,Split Oak). Installation instructions note the driftwood log set but same steps will be taken when installing either the Birch or Split oak.

Driftwood Log Set (Part #450-931)



Birch Log Set (Part #450-932)



Split Oak Log Set (Part #450-934)



Required Media - Used on the burner (Pick one)

Media	Part Number	Description	Quantity Usage
Fireglass	946-675	Black	1.5 lb (0.70 kg)
	946-676	Copper	1.5 lb (0.70 kg)
	946-677	Starfire	1.5 lb (0.70 kg)
Embers	946-783	Andiron	0.62 lb (0.28 kg)

Media not supplied with the unit - must be purchased separately.

Optional Media - Used around the burner (Pick one)

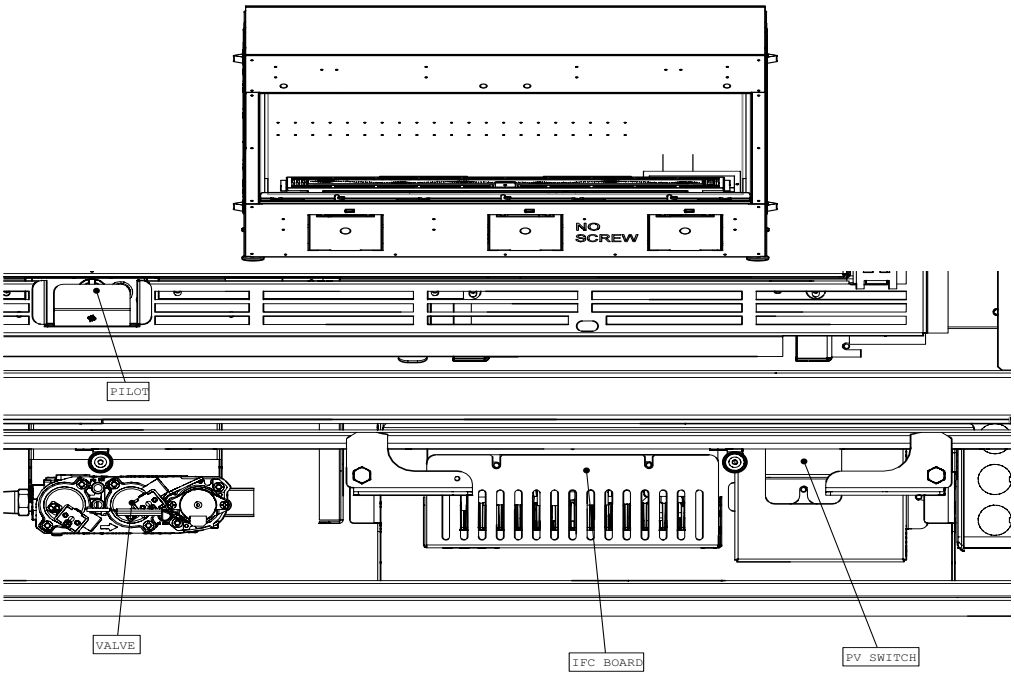
Media	Part Number	Description	Quantity Usage
Volcanic Stones	946-710	Slate/Grey	7 pcs (up to)
	946-711	Ivory/Tan	7 pcs (up to)
Shale	946-860	Black & Grey (1 lb)	0.72 lb (0.33 kg)
Crushed Glass	946-780/781	Black / Iceberg	2 boxes (7 lb / 3.2 kg)
Embers	946-783	Andiron	2 boxes (2 lb / 1 kg)

Volcanic stone (pick one) and shale can be installed together.

1. Shut off the gas and electrical supply and allow the unit to cool to room temperature.
2. Remove the barrier glass (if already installed) and firebox glass (see manual).
3. Carefully remove the logs from the packaging and unwrap them. The logs are fragile; handle with care. Never force them into position.

Accessories	
1	Logs 1-11 (each log's number appears on its underside)
2	Glowing Wool (supplied with unit)

4. The next steps are done at side A of the unit, where the valve and IFC board are located.



5. Install the desired required media on the burner and glowing wool on the burner as shown below.



6. Locate the hole on the burner surround, on the left side of the pilot. Insert the pin underneath Log 1 into the hole on the burner surround.





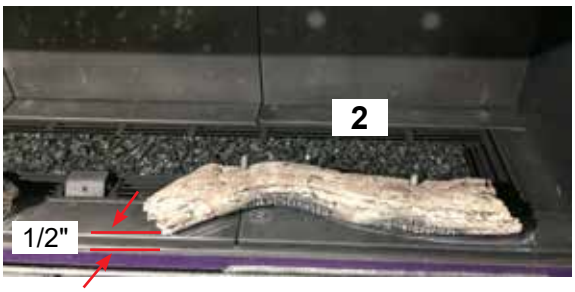
7. Lay the log on the firebox. Ensure the bottom left end of the log is 7/8" away from the edge of the firebox.



8. Locate the hole on the right side of the pilot.



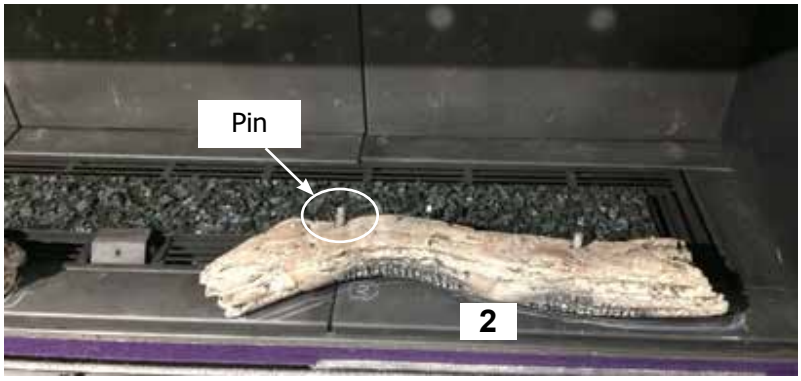
9. Insert the pin of Log 2 into the hole. Lay the log on the firebox, then measure the edge of the log to the side as shown below.

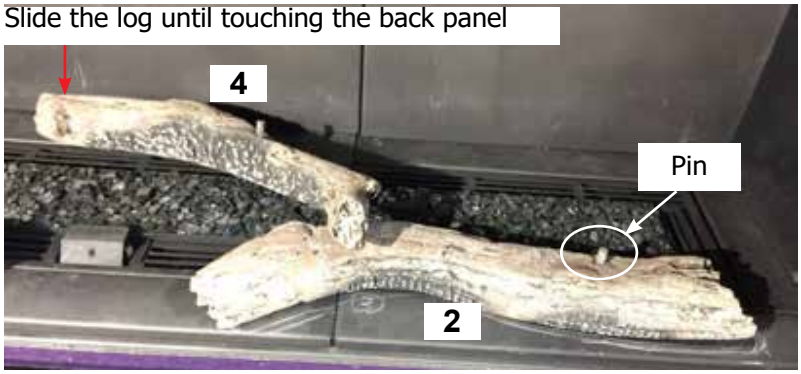


10. Connect Log 3 to the pin on Log 1. Rest Log 3 on the landing on Log 1.

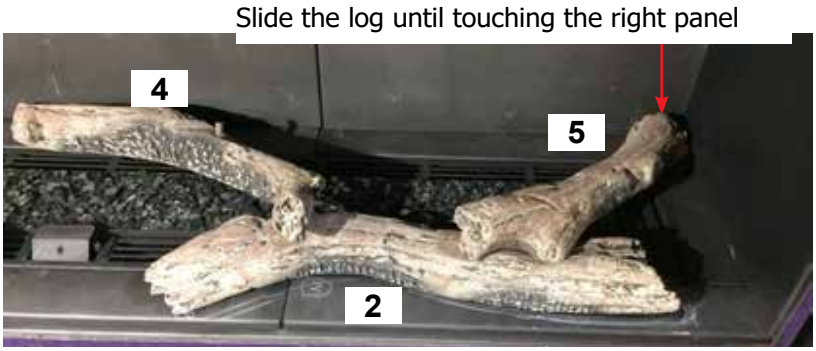


11. Connect Log 4 to the pin on Log 2.





12. Connect Log 5 to the pin on Log 2.

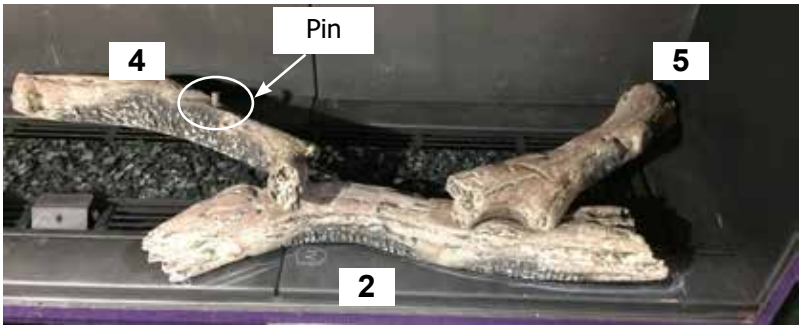


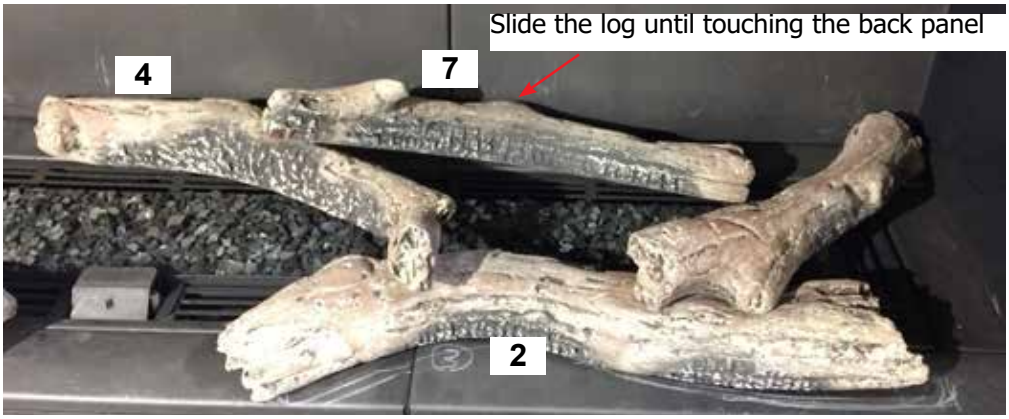
13. Place Log 6 on top of Log 3, ensuring the pin on Log 3 is aligned with the hole on Log 6, and that Log 6 rests on the landing on Log 3.





14. Place Log 7 on top of Log 4, ensuring the pin on Log 4 is aligned with the hole on Log 7.





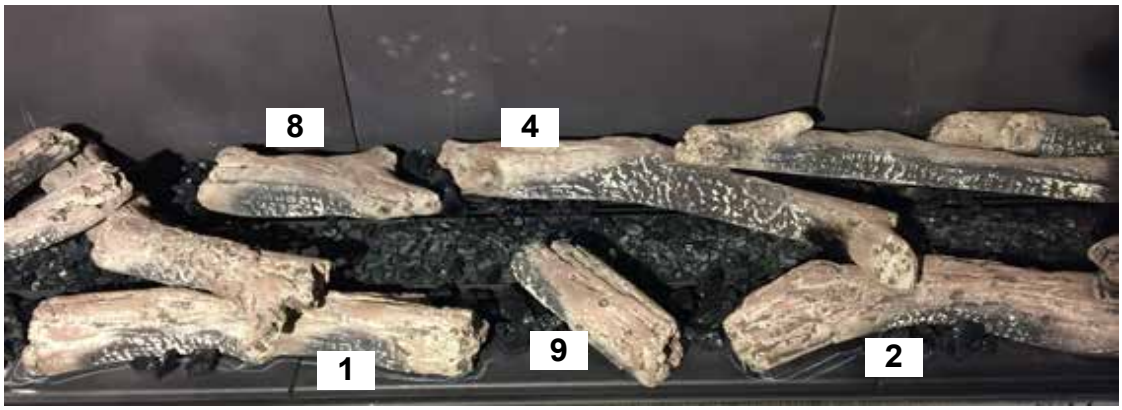
15. Install Log 11 on the end Log 7, as shown below.



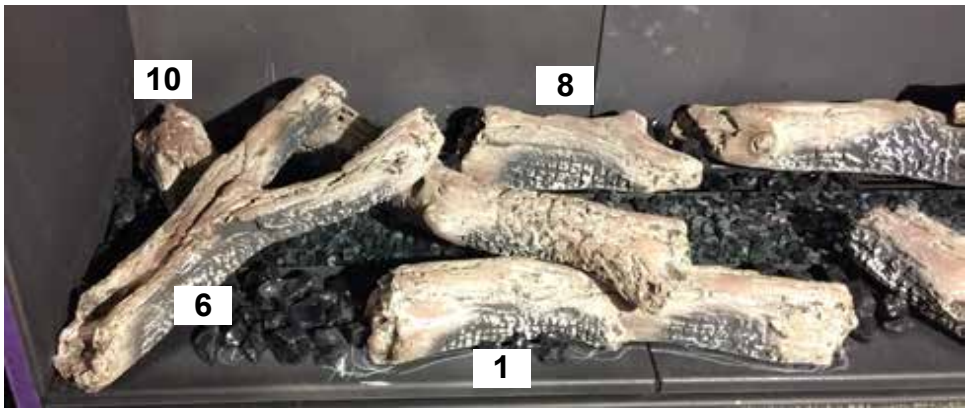
16. Install Log 8 between Log 3 and Log 4, as shown below.



17. Install Log 9 on top of the pilot as shown below.



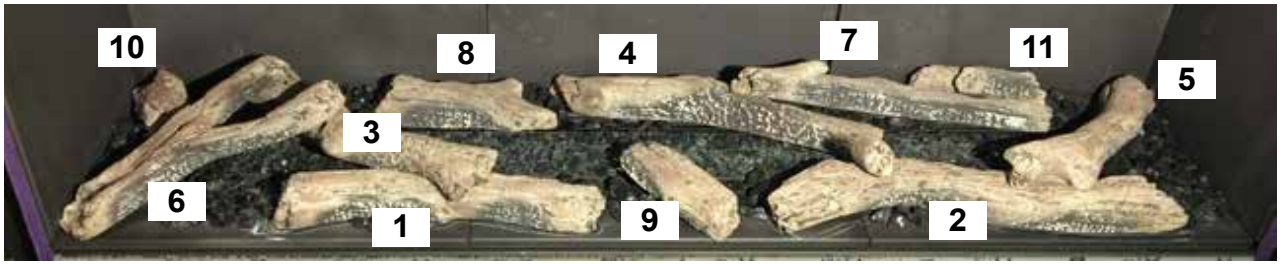
18. Install Log 10 beside Log 6.



19. Install the desired optional media around the burner. **Make sure the burner surround is only 50% covered.**



Correct Coal Placement



Final Placement

Elevated Burner & Logs Installation

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

City Series 50 Elevated Burner Conversion Kit #482-925

Conversion Kit Contains:

Qty.	Part #	Description
1	482-535	Burner
1	482-226	Burner Tray
2	482-230	Tray Outer Bracket
2	482-231	Tray Inner Bracket
2	482-229	Burner Bracket
1	482-228	Pilot Shield
1	482-227	Access Plate
17	904-553	#8 x 1/2 Phillips Screws
6	904-643	#10 x 1/2 Hex Head Screws
1	482-934	Log Set (sold separately)
1	920-967	Instruction Sheet

Media	Part #	Description	Quantity Usage	
Shale	946-860	Black & Grey	CV50E & CB50E	0.73lb
			CST50E & CP50E	1.0 lb
Embers	946-783	Andiron Black	CV50E & CB50E	0.17 lb
			CST50E & CP50E	0.3 lb

Elevated Burner and Logs Installation

Important: Always shut off gas supply/120 volt power prior to servicing the fireplace.

1. Turn unit off and cool to room temperature.

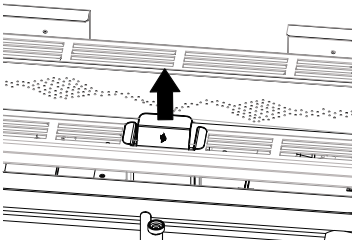
2. Remove outer panels (see instructions in the panel removal section in the manual).

3. Remove outer safety barrier and inner glass (firebox glass) - see instructions in the manual.

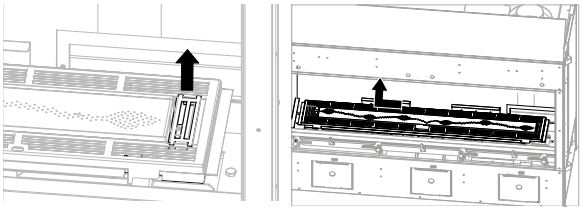
4. Remove all media, logs and brick panels (if installed) and set aside.

5. Remove inner base panels (see panel section in the manual).

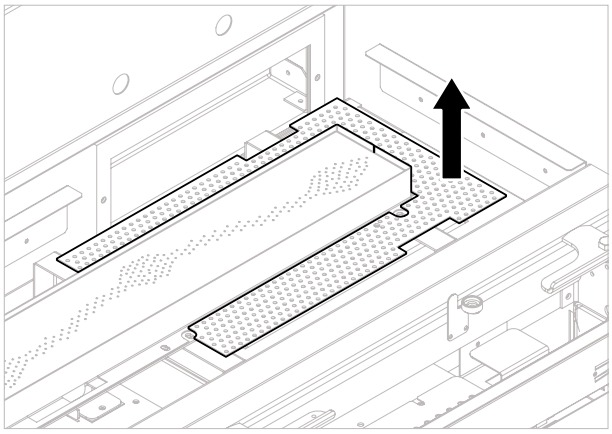
6. Remove the pilot cover by lifting up and out.



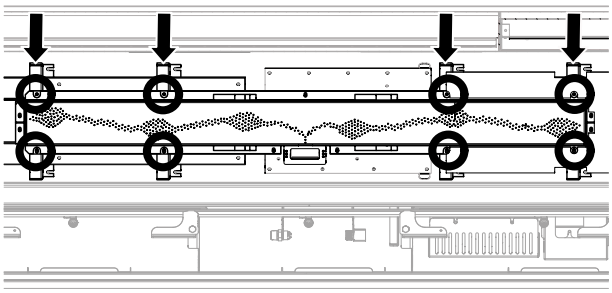
7. Remove the trim cover on the right side of the burner by lifting it off. Also, remove the burner surround by sliding it to the left and lifting it off.



8. Remove the perforated air diffuser on the right side of the unit.

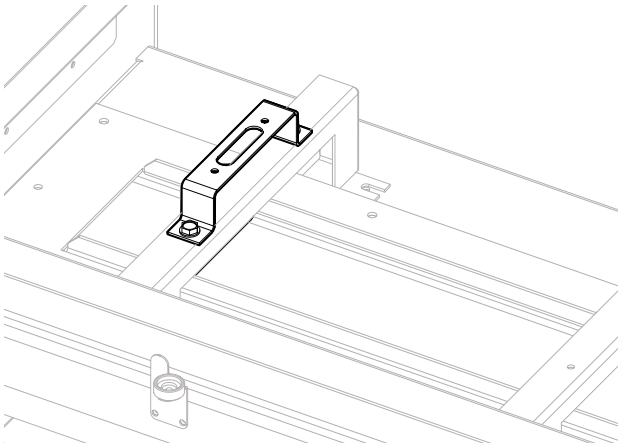


9. Remove eight screws in the locations shown below (four at front and four at rear). Slide the burner to the left, away from the orifice, and lift out.

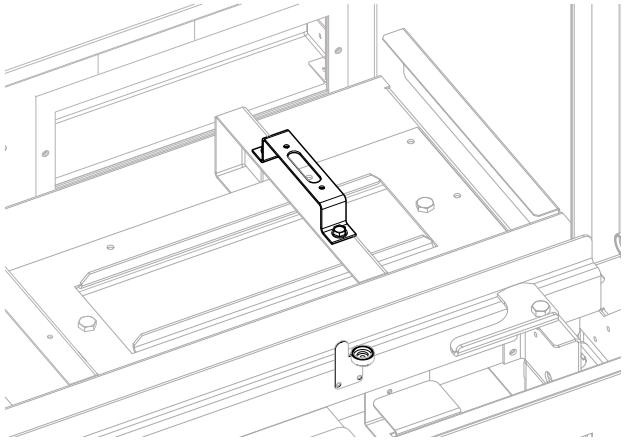


10. Remove and retain aeration shutter (686-138) and screw from original burner.

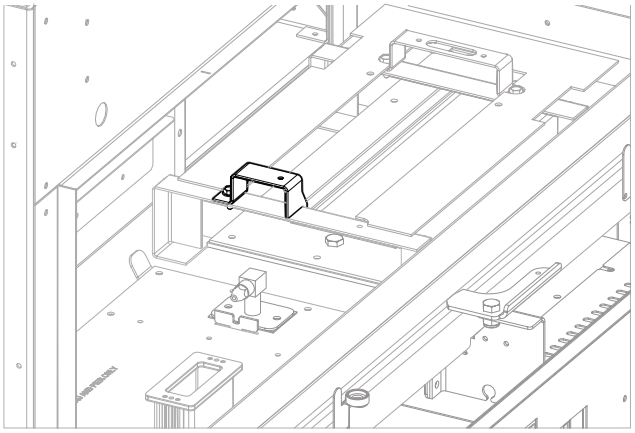
11. Install one "Tray Outer Bracket" (482-230) on the left side of the firebox, using two hex head screws (904-643).



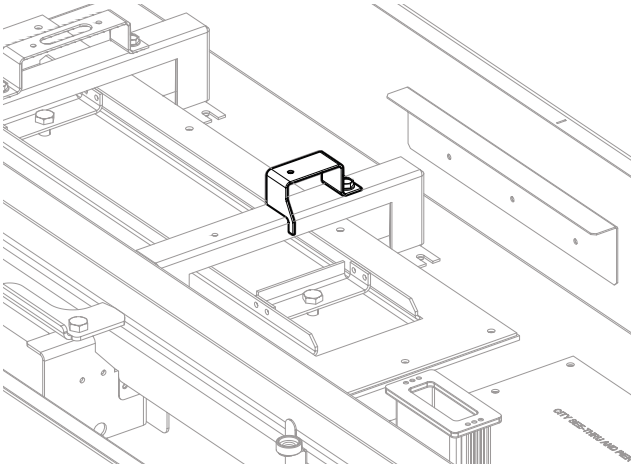
12. Install the second "Tray Outer Bracket" (482-230) on the right side of the firebox, using two hex head screws (904-643).



13. Install one "Tray Inner Bracket" (482-231), using one hex head screw (904-643).

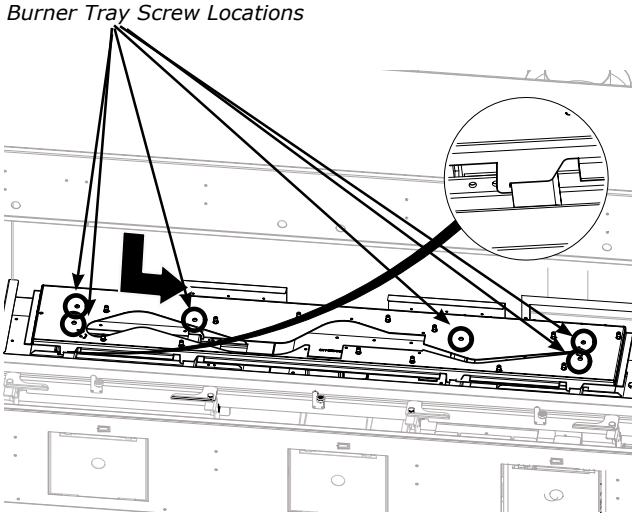


14. Install the second "Tray Inner Bracket" (482-231), using one hex head screw (904-643).

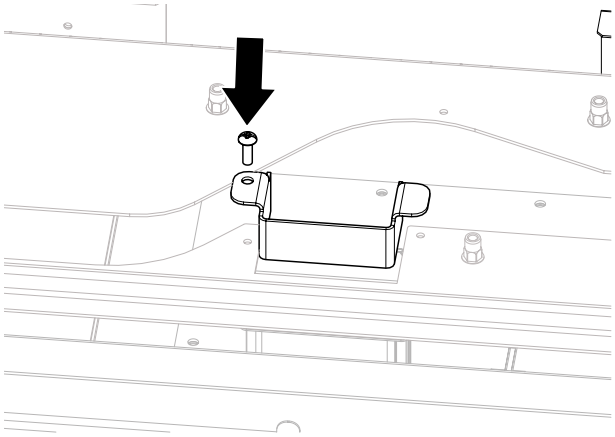


15. Install the "Burner Tray" (482-226) by sliding to the right side and fasten with six Phillips screws (904-553).

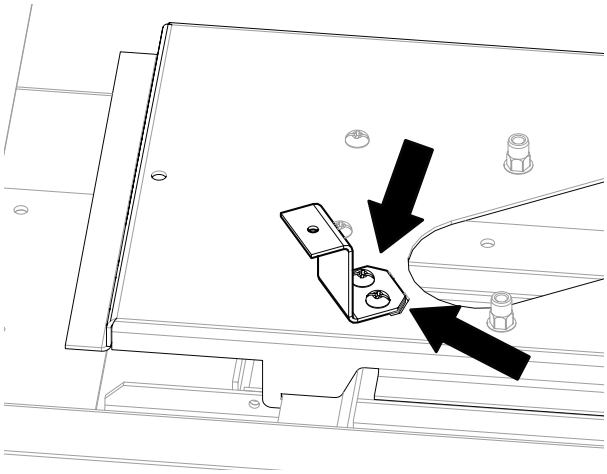
Burner Tray Screw Locations



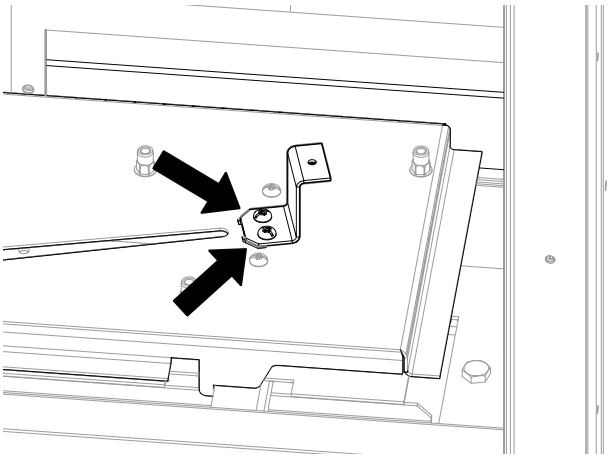
16. Install the Pilot Shield (482-228) on Burner Tray and secure it with one Phillips screw.



17. Install first Burner Bracket (482-229) on the left side, using two Phillips screws.



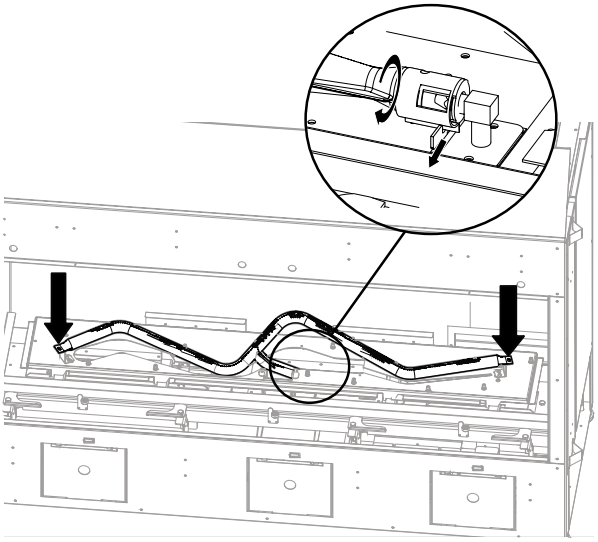
18. Install second Burner Bracket (482-229) on the right side, using two Phillips screws.



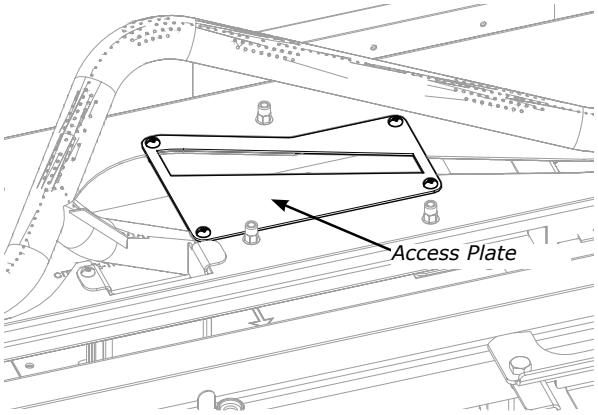
19. Install the air shutter removed in step 10 onto the new burner and fasten.

20. Line up the air shutter tab with the slotted air shutter adjustment slide and slide into the burner orifice.

21. Fasten the burner ends to the Burner Brackets using two Phillips screws. Adjust aeration based on fuel (refer to manual).

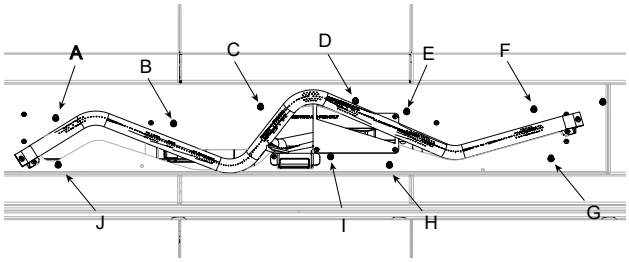


22. Install Access Plate (482-227) on Burner Tray and secure with four (4) Phillips screws.



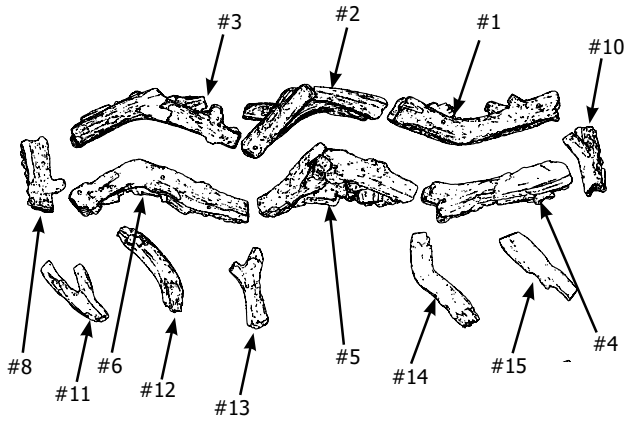
23. Re-install inner base and brick panels.

Pin Location



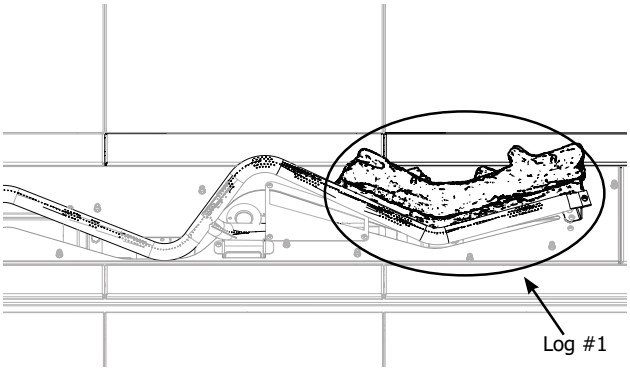
Logs Installation

Log Numbers

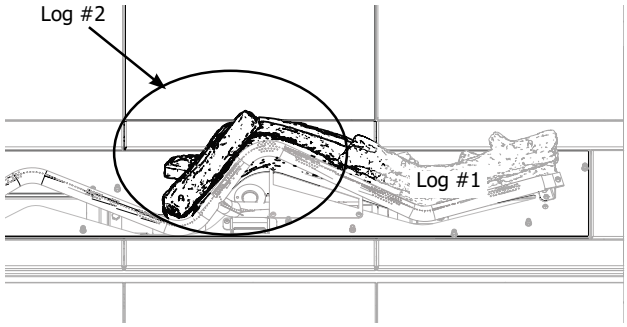


NOTE: Logs #7 and #9 are excluded for this installation.

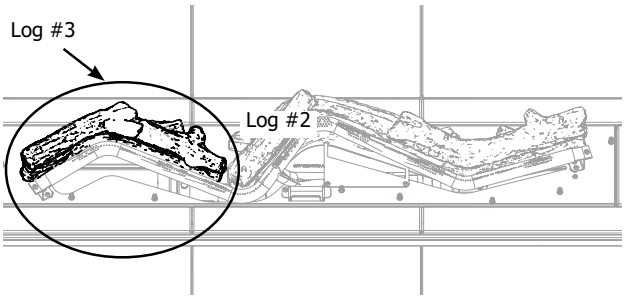
24. Place log #1 over pins E and F.



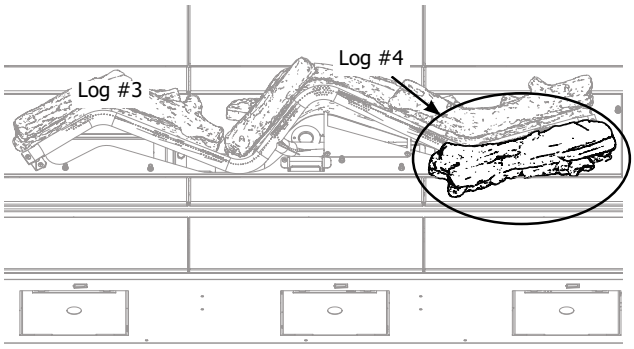
25. Place log #2 over pins C and D.



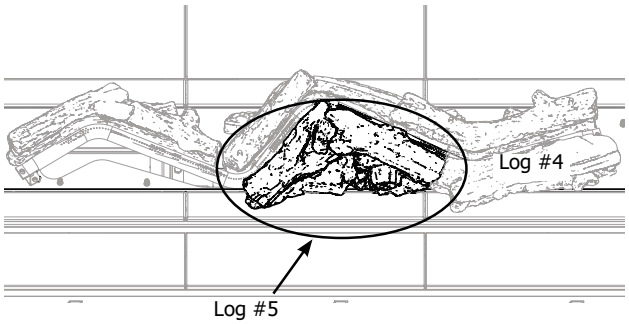
26. Place log #3 over pins A and B.



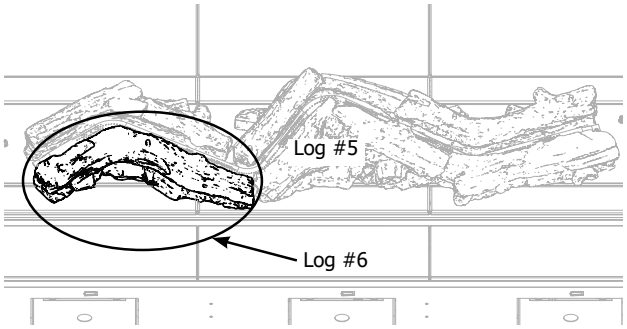
27. Place log #4 over pin G.



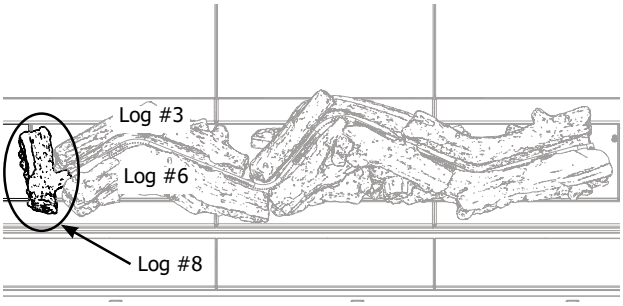
28. Place log #5 over pins H and I.



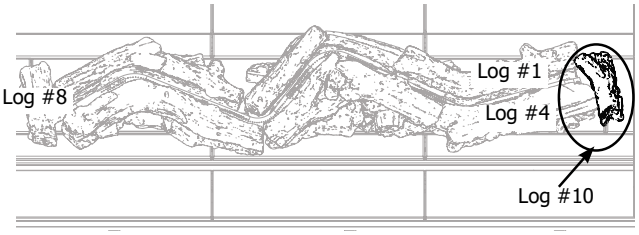
29. Place log #6 over pin J.



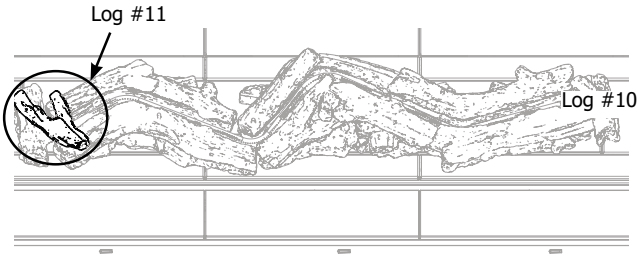
30. Place log #8 as shown, at the end of logs #3 and #6.



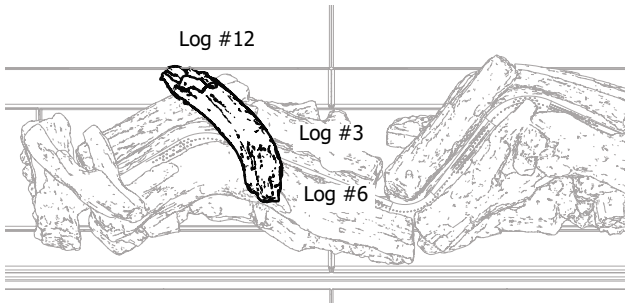
31. Place log #10 as shown, at the end of logs #1 and #4.



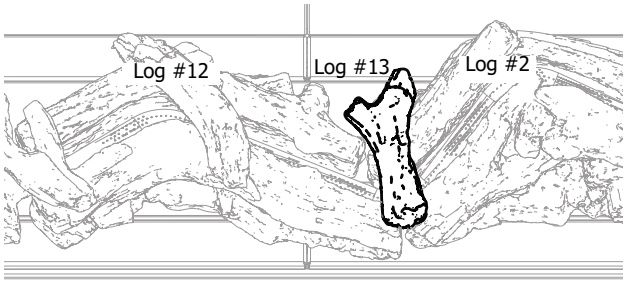
32. Position log #11 over logs #3, #6 and #8.
Use the mark on the top of log #6 as a placement guide.



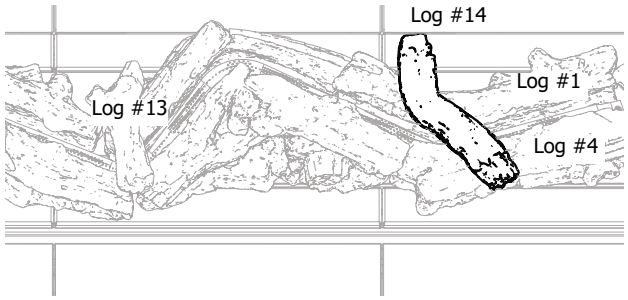
33. Position log #12 over logs #3 and #6.
Use the mark on the tops of logs #3 and #6 as a placement guide.



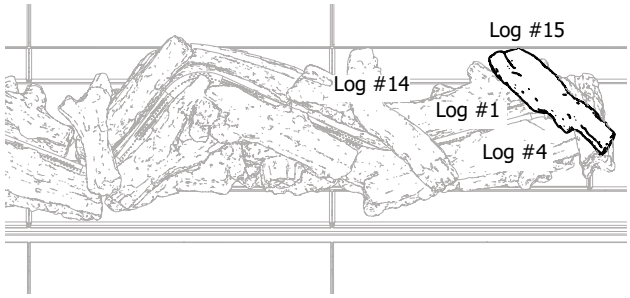
34. Position log #13 over log #2 and on the ends of logs #6 and #5.
Use the mark on the top of log #2 as a placement guide.



35. Position log #14 over logs #1 and #4.
Use the marks on the tops of logs #1 and #4 as a placement guide.

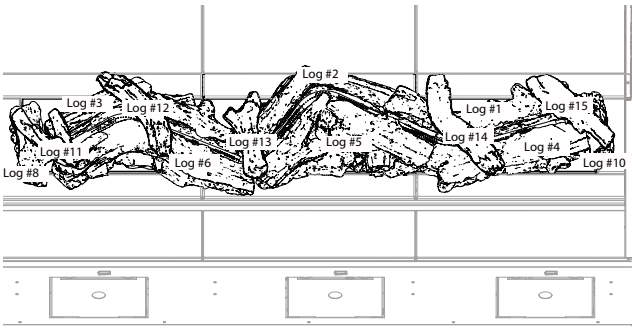


36. Position log #15 over logs #1 and #4.
Use the marks on the tops of log #1 and #4 as a placement guide.



37. Evenly spread shale and ember media on the burner tray and inner base panels.
CV50E & CB50E - Shale: 0.73lb, embers: 0.17lb
CST50E & CP50E - Shale: 1.0lb, embers: 0.3lb

WARNING: Media is not permitted on the burner.



38. Re-install the inner glass, outer enamel or steel panels and the safety barrier glass.

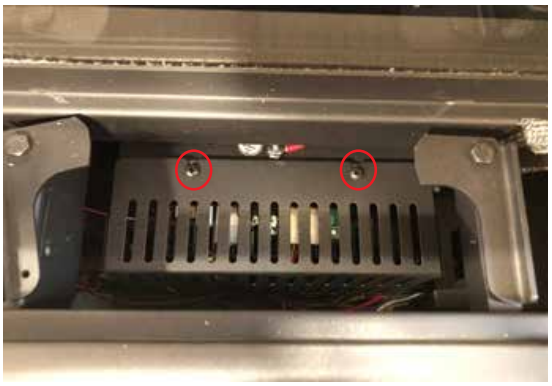
39. Restore power and gas, then turn the unit on to check for operation.

WIFI Dongle Installation (Optional)

Caution: The gas supply shall be shut off to the appliance & 120 Volt AC power must be disconnected, before proceeding with the WIFI Kit Installation.

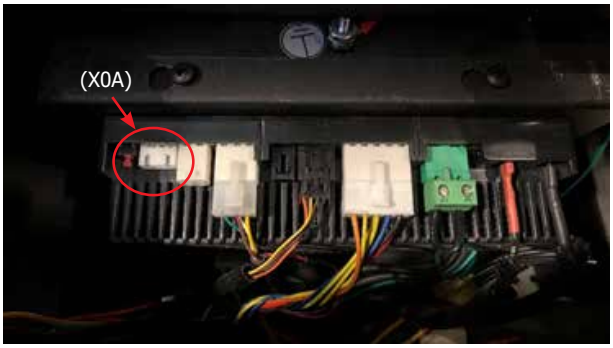
1. Remove the outer panels and safety glass – see manual.

2. Loosen the 2 screws on the IFC cover and remove the cover to access the IFC.





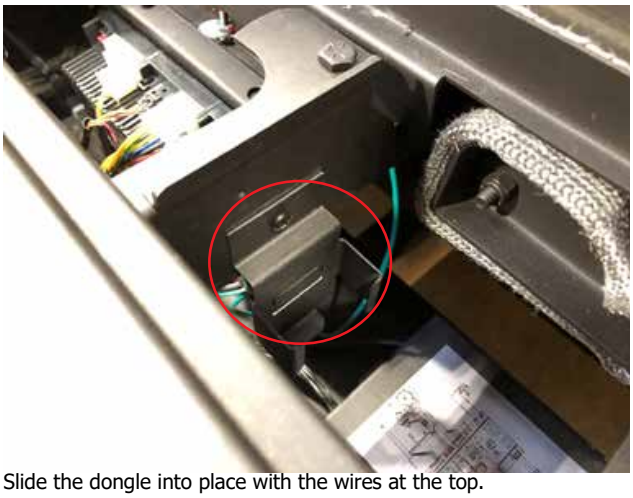
3. Locate the WIFI dongle connection (X0A) on the left side of the IFC.



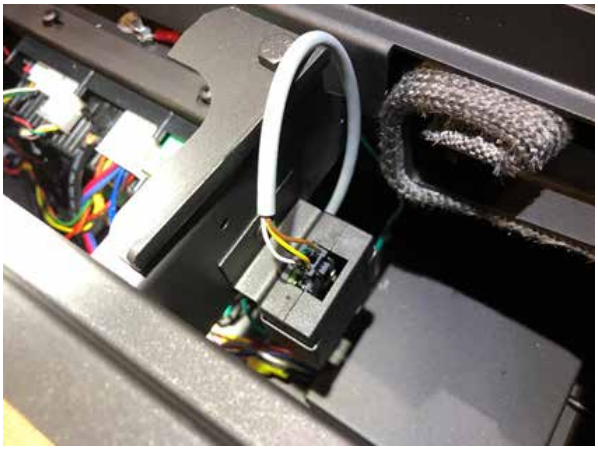
4. Line up the tabs on the dongle with the notches on the IFC connection and insert the cable into the connection.



5. Locate the dongle holder on the right side of the IFC.



6. Slide the dongle into place with the wires at the top.



7. Reinstall the IFC cover and tighten the 2 screws.



8. Reinstall the outer panels and safety glass – see manual.
9. Gas supply can be turned back on & 120 Volt Ac power may be reconnected.
10. See QR code below or on box from this WIFI kit to install the Proflame app.

Maintenance Instructions

1. Always turn off the gas valve before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year. When cleaning the logs, use a soft clean paint brush as the logs are fragile.

2. Clean appliance and door with a damp cloth and a gas fireplace glass cleaner (never when unit is hot). Never use an abrasive cleaner. The glass should be cleaned when it starts looking cloudy.

3. The fireplace is finished with heat resistant paint and should be refinished with the same. Regency® uses StoveBright Paint - Metallic Black #6309.

4. Periodically check the burner for position and condition. Visually check the flame of the burner, making sure it is steady, not lifting or floating. If there is a problem, call a qualified service person.

5. The appliance and venting system must be inspected before use and at least annually by a qualified field service person to ensure that the flow of combustion and ventilation air is not obstructed.

   NOTE: Never operate the appliance without the glass properly secured in place.

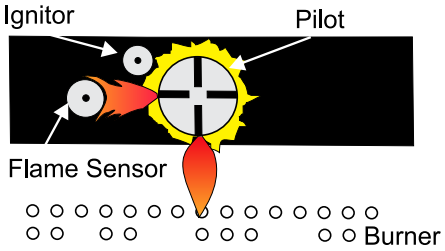
6. Do not use this appliance if any part was under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control submerged.

7. When this appliance is serviced, check that the vent-air system was properly resealed & reinstalled in accordance with the manufacturer's instructions.

8. Verify operation after servicing.

Flame Pattern

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



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

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



Correct main burner flame pattern

General Vent Maintenance

Conduct an inspection of the venting system semi-annually. Areas to inspect are listed below.

1. Check the venting system for corrosion in areas 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 excessive condensation, such as water droplets in the inner liner and dripping out the joints. Continuous condensation can cause corrosion of caps, pipe, and fittings. Condensation may be caused by excessive lateral runs, too many elbows, and exposing exterior portions of the system to cold weather.

4. Inspect joints to verify that pipe sections or fittings are not disturbed or loosened. Also, check mechanical supports such as wall straps or plumbers' tape for rigidity.

Log Replacement

The unit should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening the door and carefully removing the logs. If a log needs replacing, you must use the proper replacement log. The position of these logs must be as shown in the diagrams in the " Optional Driftwood Log Set Installation" section of this manual.

NOTE: Improper positioning of logs may create carbon buildup and will alter the unit's performance, which is not covered under warranty.

Glass Gasket

If the glass seal requires replacement, a graphite seal specifically designed for this appliance is required (part # 726-556/P for the complete set). These are applied with self adhesive tape.

Gasket is also installed on the sides of the inner glass to protect against breakage during installation. The gasket part number is 846-681.

Glass

Your Regency® fireplace is supplied with high temperature 5mm-tempered outer glass & 5mm-ceramic inner glass. If your glass needs cleaning, use an approved glass cleaner available at any authorized dealer. Do not use abrasive materials.

Glass Replacement

WARNINGS

- **Do not clean the glass when it is hot.**
- **The use of substitute glass will void product warranties.**
- **Care must be taken to avoid glass breakage.**
- **Do not strike or abuse the glass.**
- **Do not operate this fireplace without the glass, or with cracked or broken glass.**
- **Wear gloves and safety glasses when removing broken glass.**
- **Replacement of glass panels should be done by a licensed service person.**

If your glass breaks, purchase a replacement from an authorized Regency dealer. Replacement glass is shipped already installed into the door frame. Reinstall per the instructions in the "Inner Glass Panel (Firebox Glass) Installation / Removal" section of this manual.

CST50E REPLACEMENT GLASS:

Outer safety barrier glass front - tempered (Part# 940-555/P) (each)

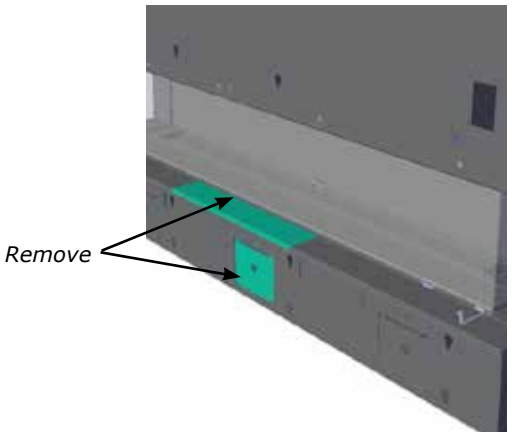
Inner glass front - ceramic (Part# 940-554/P) (each)

Aeration Adjustment

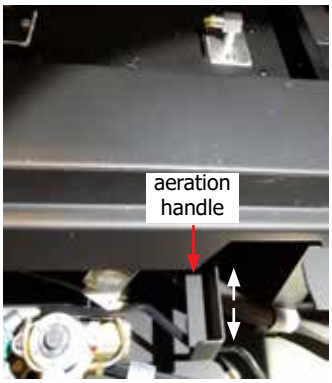
The burner aeration is factory set, but may need adjusting due to the local gas supply or altitude. Open the air shutter for a blue flame or close for a more yellow flame.

NOTE
If the firebox glass, logs, inner panels, etc. are already installed, the aeration can be adjusted from outside the firebox.

1. Remove the centre access panel on the outer trim. If finishing material is already installed, remove the glass safety barrier and center outer panel. See instructions in this manual.
2. Attach the handle to the aeration lever through the access opening. The handle will slide into position on the lever.



3. Adjust aeration accordingly.
   - Pushing lever in opens the air shutter.
   - Pulling the lever outward closes the air shutter.



NOTE
The aeration handle is located near the right side of the gas valve access door, attached by a magnet.

Minimum Air Shutter Opening

NG, NG with logs, NG with volcanic stones: 3/16" (5 mm)
LP, LP with logs, LP with volcanic stones: 3/8" (9-1/2 mm)

4. Remove the handle by lifting up and out. Replace the access door and tighten the two screws. Hang the handle back onto the magnet.

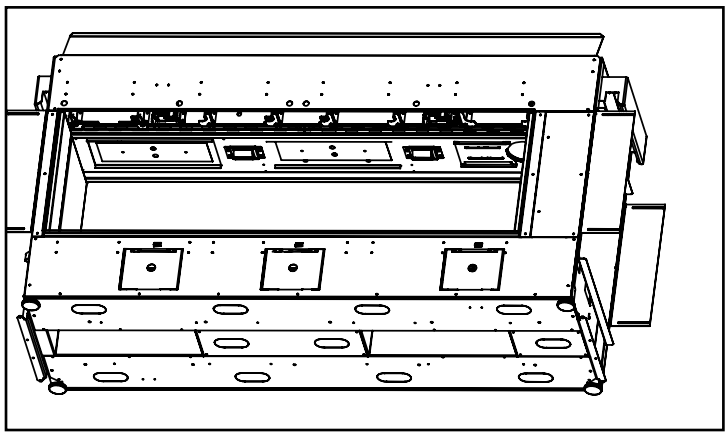
5. Reverse to Step 1.

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

Bulb Replacement

1. Turn off power and gas to the appliance and allow it to cool to room temperature.
2. Remove outer safety glass panels and inner glass panels (firebox glass)–see instructions in this manual.

NOTE
Only one side must be removed.



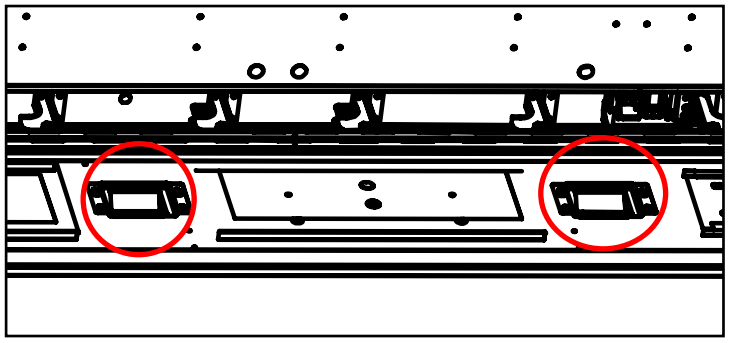
Lights are located on top of the unit

3. Loosen two screws on each side of the individual inner light cover and remove.

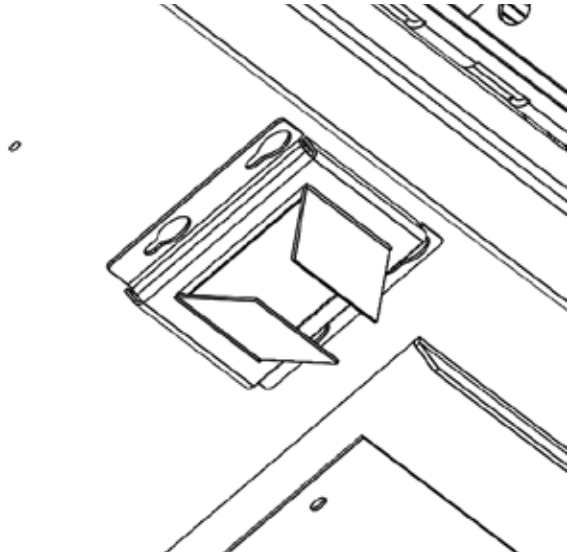
4. Replace the bulb and reverse steps to complete the procedure.

NOTE
- Do not handle bulb with bare hands. Use packaging or a tissue to hold new bulb when replacing.

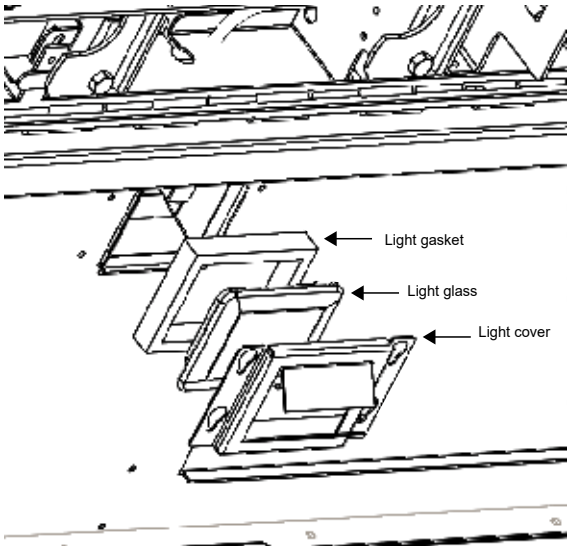
Regency part# 911-208 Oven lamp assembly G9 120V/25W
Regency part# 911-072 Replacement bulb G9 120 Volt/25 watt



Inner light covers shown from below



Inner light covers close up



Inner light cover reassembly order

Valve Replacement

Important: Always shut off gas supply/120 volt power prior to servicing the gas valve.

1. Turn unit off and cool to room temperature.

2. Remove outer enamel or steel panels (see instructions in the panel removal section in this manual).

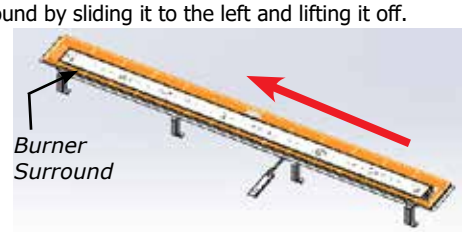
3. Remove outer safety barrier and inner glass (firebox glass)–see instructions in this manual.

4. Remove all media and logs (if installed) — set aside.

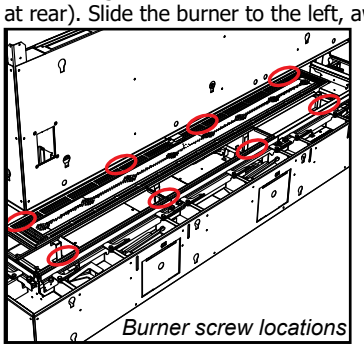
5. Remove inner base panels (see panel section in this manual).

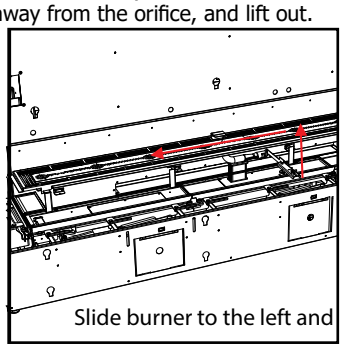
6. Remove the trim cover on the right side of the burner by lifting it off. Also, remove the burner surround by sliding it to the left and lifting it off.





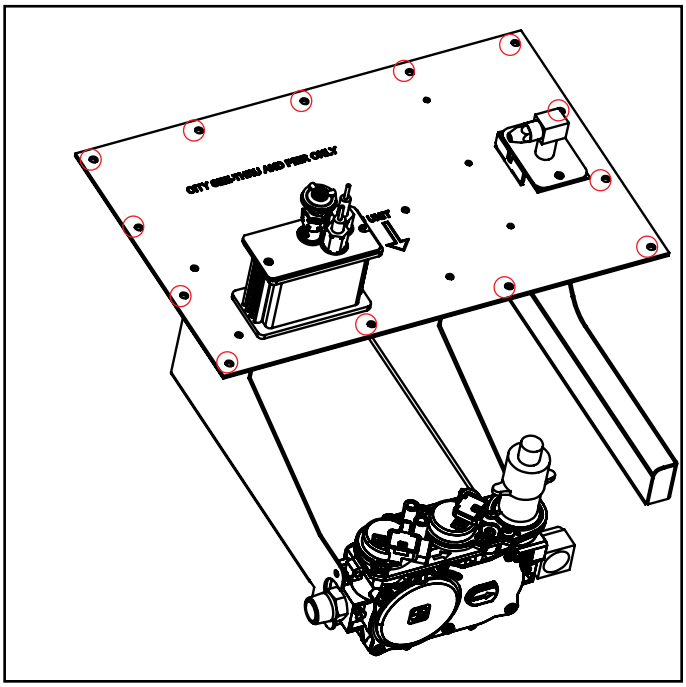
7. Remove eight screws in the locations shown below (four at front and four at rear). Slide the burner to the left, away from the orifice, and lift out.



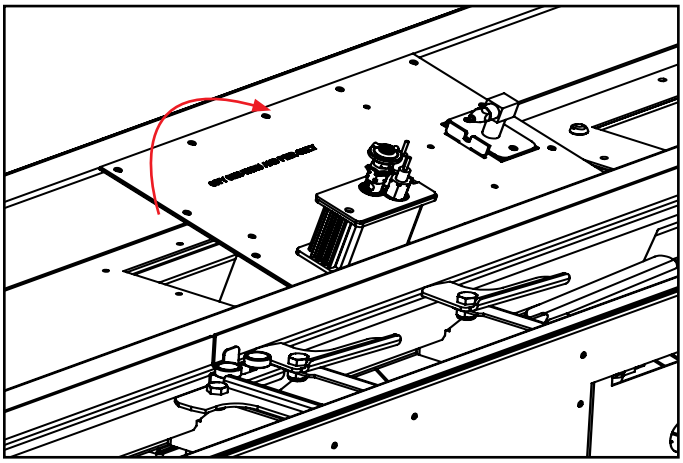


8. Remove 13 screws in locations shown below.

9. Disconnect the spark electrode, flame sense, and stepper motor from the IFC board (see wiring diagram for location).



10. Lift valve tray out partially and disconnect flexible gas connection on the valve inlet side. Remove the valve tray and replace it with the new valve tray & valve assembly gasket.



11. Reverse steps 10-1 to complete.

Gas Maintenance - Recommended Annual Routine

In order for your Regency appliance to continue to provide comfort to your home periodic maintenance must be performed to ensure it is operating at peak efficiency. The items in the list should be checked by a licensed gas service technician during the annual service check. Your unit may require more frequent maintenance checks if you notice any changes in how it operates. Operational changes to look for can include, but are not limited to, extended start up time, increased fan noise, residue/carbon build up, white build up on the glass/firebox, increased operating noise etc. Should any of these or other conditions arise, discontinue use and schedule a service check with your local licensed gas technician. The list below shows items your licensed service technician will need to check and service at least annually.

Clean

- Glass
- Interior bricks / panels
- Burner ports & burner air shutter
- Fan blades
- Log set
- Pilot orifices
- Pilot hood (change as needed)
- Flame sensor (electronic ignition models)
- Flame electrode
- Burner orifice
- Thermocouple (millivolt models)
- Thermopile (millivolt models)

Inspect

- Pilot assembly
- Burner
- Pressure relief gaskets/doors
- Flue connector gasket if present
- Door seal
- Firebox
- Venting
- Batteries (remote handheld, remote receiver, DC sparker, change as needed)
- Burner media (change as needed)
- Air shutter setting
- Wiring

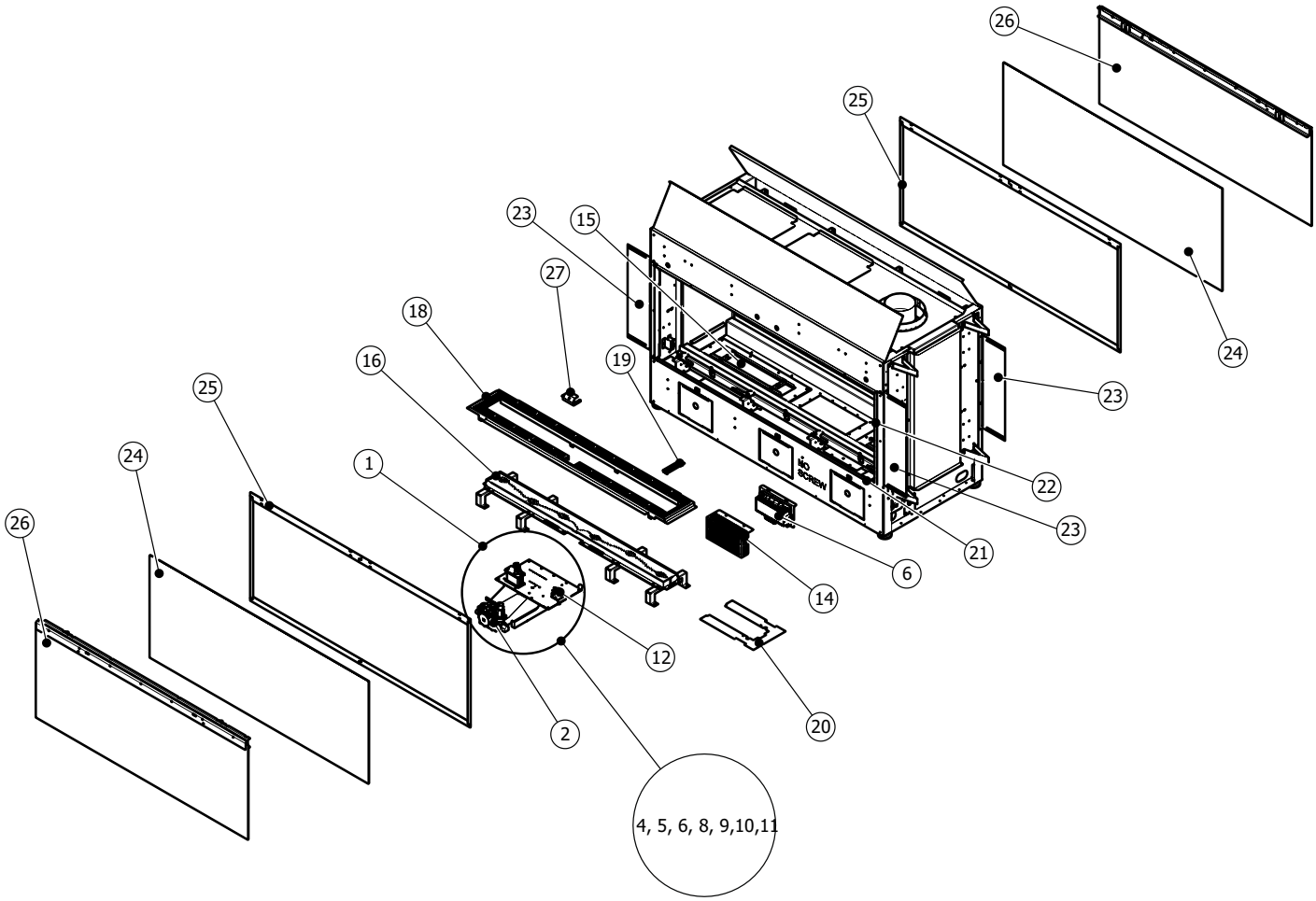
Check

- Voltage on thermocouple/thermopile (millivolt models)
- Ohms reading on flame sense (electronic ignition models)
- Inlet/outlet fuel pressures as per rating plate
- Voltage/ohms readings on gas valve
- Ohms reading to on/off switch circuit (Milivolt models)

Gas Leak Tests

- Check main gas line connection to valve
- Check shut off valve connections
- Check connection at gas valve outlet
- Check connection at main burner orifice
- Check pilot fuel line at valve and at pilot assembly

Main Assembly



Main Assembly

Item	Part #	Description
1	482-574/P	Valve Assembly - NG
1	482-576/P	Valve Assembly - LP
2	911-188	Novasit Gas Valve - NG 0.885.009
2	911-189	Novasit Gas Valve - LP
3	911-190	Stepper Motor - NG 0.907.023
3	911-191	Stepper Motor - LP 0.907.015
4	911-280	Pilot Assembly - NG
4	911-281	Pilot Assembly - LP
5	910-036	Pilot Orifice - NG #51 977.165
5	910-037	Pilot Orifice - LP #30 977.167
6	911-110	Flame Electrode Spark (Long) 0.915.119
7	911-111	Flame Sense (Long) 0.915.910
8	910-432	Novasit Pilot Tubing With Nuts
9	911-039	Two Way Pilot Hood
10	911-137	Pilot Hood Clip
11	W840470	Pilot Assembly Gasket
12	905-089	Burner Orifice #36 NG (PO512)
12	905-064	Burner Orifice #52 LP (PO512)
13	911-311/PV	IFC Intermittent Fireplace Control Proflame II Wi-Fi 7day PV+5 Sec.FFRT 0.584.665
14	666-085	IFC Metal Cover Plate
15	482-572/P	Bottom Pressure Relief Door Assembly Left
	482-571/P	Bottom Pressure Relief Door Assembly Right
16	482-525/P	Burner Assembly NG/LP w/ Air Shutter
17	686-022	Pilot Cover
18	482-014	Burner Surround
19	686-019	Burner Surround End Trim Cover
20	482-015F	Secondary Air Diffuser (Perforated)
21	482-028	Lower Finishing Trim CV50E
22	726-015	Removable Side Finishing Lip (Each)
23	726-008F	Nailing Strip 4 Per Unit (Each)
24	940-554/P	Inner Glass Neoceram Front
25	482-557/P	Gasket Novatec (Complete Set)
26	940-555/P	Outer Barrier Glass Assembly Front
NOT SHOWN:		
N/S	686-043	Valve Assembly Gasket
N/S	656-039	Gasket Orifice Mount
N/S	904-165	Fitting 3/8 Male Flarex Mpt Strt Adaptor
N/S	904-606	Fitting 90 Street Elbow Extruded
N/S	904-658	Inlet Flex Line Gas SS Steel 24 inch
N/S	904-943	Bracket Dormont Orifice Mount 10-BZ001-19.5
N/S	911-182	IFC Digital Fireplace Control Fuse 3.15 amp Fast Acting
N/S	911-337/P	Battery Holder W/Switch 584.103

Item	Part #	Description
N/S	911-341	Remote Transmitter White Wall Mount 0.584.049
N/S	911-177	Wire 4 Pos IFC Fan & Light
N/S	911-181	Wire Harness Battery Box Proflame II
N/S	911-344	Wire Harness PV Assembly
N/S	911-209	Wire 2 Pos IFC to Lights
N/S	911-262-ASM	Wire Harness IFC w/APS Quick Connect
N/S	911-193	Connector W/Jumper
N/S	911-323	Wi-Fi Dongle + Harness Proflame 0.584.526
N/S	911-253-ASM	Power Cord Assembly Wire Harness Sit Pf2 Ifc Power - 120V W/ Lumberg & Phoenix
N/S	911-314	Switch 2 Way W/ On/Off Marking
N/S	911-272	Oven Lamp G9 120V 25W (Wire 136.3" Long)
N/S	911-208	Oven Lamp Asssembly (G9 120V/25W)
N/S	911-072	G9/120 Volt/25 Watt Replacement Halogen Bulb
N/S	656-085	Light Cover Gasket (Each)
N/S	686-121	Light Cover (Each)
N/S	910-369	Receptacle Box Low Voltage SC100A
N/S	910-428	Receptacle Duplex White
N/S	910-430	Receptacle Cover Duplex Metal
N/S	911-335	White Mount Cover Wall Cover Plate 0.584.813
N/S	911-343	Black Mount Cover Wall Cover Plate 0.584.812
N/S	910-429	Receptacle Box Duplex Metal
N/S	904-687	Connector Clamp 3/8 CI-804
N/S	482-009	Vent Restrictor
N/S	666-083	IFC Bracket
N/S	666-138	Wire Housing Metal Box
N/S	666-139	Wire Housing Cover Top
N/S	482-019	Lower Glass Pad
N/S	482-018	Top Glass Rail
N/S	482-020	Bracket Clamp
N/S	450-014	Burner Assembly Mounting Bracket 4 Per Unit (Each)
N/S	487-014/F	Standoff 4 Per Unit (Each)
N/S	948-078	Glass Suction Cup (Each)
N/S	846-697	Gasket Tadpole Tape (12') (936-155)
N/S	846-681	1" Wide Graphite Gasket Tape (6') (936-222)
N/S	846-682	7/8" Window Adhesive Gasket Tape (12') (936-243)
N/S	846-698	Gasket Silicone Sponge 3/16" x 1/2" (12') (260350)
N/S	656-279F	Wrench (Leveling Legs) 1/2 Inch
N/S	726-515	Glass Bumper Stopper Assembly (Each)
N/S	948-148	Levelling Leg 3/8-16x3 in. 55mm Nylon Base (Each)
N/S	905-001	Phillip Offset Screwdriver (Removal Of Finishing Lip)

Main Assembly

Item	Part #	Description
N/S	918-835	Decal Logo Regency / Flame Sit Remote
N/S	918-876	Decal Remote Quick Reference GTMF
N/S	946-634	Glowing Wool Black Sea 6 Gram
N/S	656-550	Regency Logo Assembly (Each)
N/S	948-223	Logo Plate Plastic Regency/Flame Silver
N/S	904-790	Magnet Round 1/2 inch x 1/8 inch
N/S	904-970	Magnet Cup 1/2 inch x 5/8 inch
N/S	487-508	Manual Package Complete
N/S	920-758	Instruction Manual
N/S	938-110	Black Metallic Touch up Paint
N/S	948-128	Mill Pac Direct Vent Pipe Sealant - Tube
N/S	482-031	Gasket Top Pressure Relief (Each)
N/S	482-570/P	Top Pressure Relief Door (Each)

Bottom Pressure Relief Gasket

Item	Part #	Description
N/S	482-036	Gasket Bottom Pressure Relief Right
N/S	482-081	Gasket Bottom Pressure Relief Left

Individual Glass Gasket Parts for Item # 25

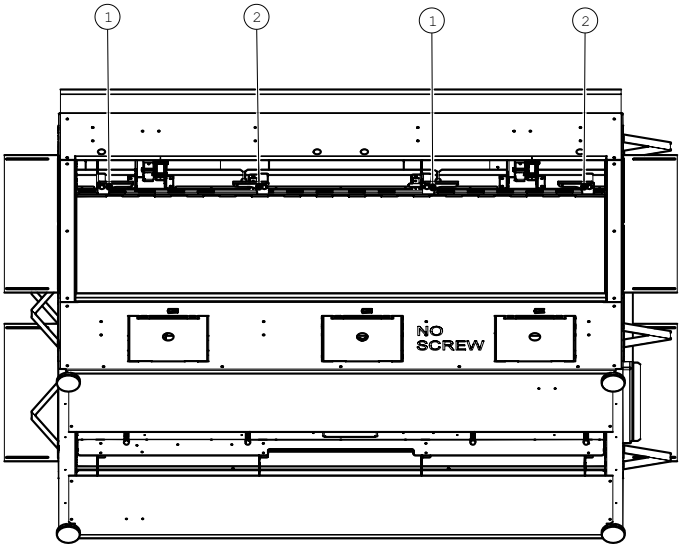
Item	Part #	Description
N/S	482-039	Gasket Novatec #1 Top Right
N/S	482-040	Gasket Novatec #2 Top Left
N/S	482-041	Gasket Novatec #1 Bottom Left
N/S	482-042	Gasket Novatec #2 Bottom Right
N/S	482-043	Gasket Novatec Sides Left/Right

Accessories

Item	Part #	Description
N/S	487-906	Inner Panel Glass Black CST50E
N/S	487-907	Inner Panel Black CST50E
N/S	487-908	Inner Panel Enamel Black CST50E
N/S	482-969	Conversion Kit - LP
N/S	482-968	Conversion Kit - NG
N/S	450-931	Log Set 50 City Series (Driftwood)
N/S	450-932	Log Set 50 City Series (Birch)
N/S	450-934	Log Set 50 City Series (Split Oak)
N/S	482-991	Chase Vent Front White CST50E
N/S	946-799	SIT WiFI Dongle Kit
N/S	946-672	River Pebbles
N/S	946-674	Ceramic Spa Stones (70 stones)
N/S	946-675	Fireglass Black Reflective 1/4in.1Lb Pkg
N/S	946-676	Fireglass Copper 1/4 in. 1Lb Pkg
N/S	946-677	Fireglass Starfire 1/4 in. 1Lb Pkg
N/S	946-775	Fireglass Black Reflective 1/4in. 5lb Pkg
N/S	946-776	Fireglass Copper 1/4 in. 5lb Pkg
N/S	946-777	Fireglass Starfire 1/4 in. 5lb Pkg
N/S	946-780	Crushed Glass Coal Black 3/4in. 3.5 lbs
N/S	946-781	Crushed Glass Iceberg Chips 3/4in. 3.5 lbs
N/S	946-735	Firebeads Black 1 lb Pkg
N/S	946-737	Firebeads Glacier Ice 1 lb Pkg

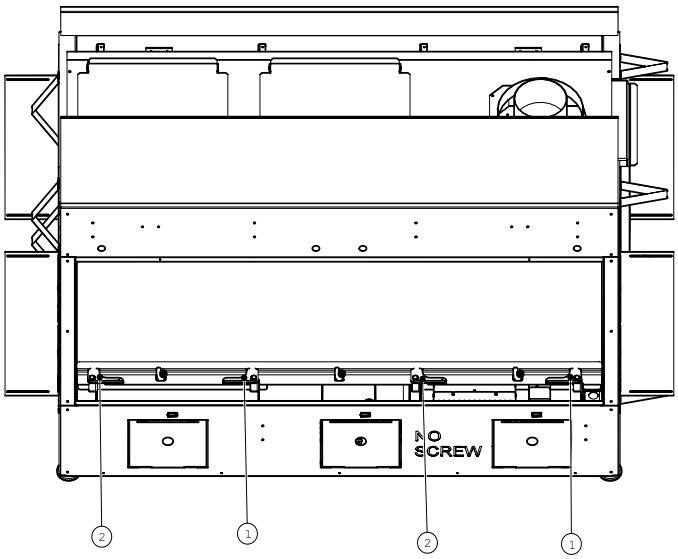
Item	Part #	Description
N/S	946-738	Firebeads Caramel Luster 1 lb Pkg
N/S	946-739	Firebeads Black 5 lb Pkg
N/S	946-741	Firebeads Glacier Ice 5 lb Pkg
N/S	946-742	Firebeads Caramel Luster 5 lb Pkg
N/S	946-710	Volcanic Stones - Slate/Grey Basalt Natural 15 lbs
N/S	946-711	Volcanic Stones - Ivory/Tan Basalt Natural 15 lbs
N/S	946-793	Fire Balls - Grey 18 pcs
N/S	482-912	Clean Trim Faceplate 3/4" CST50E
N/S	946-783	¾” Andiron Black Embers 1 lb box
N/S	946-860	Shale - Black & Grey (1 lb box)
N/S	656-924	TV Wiring Kit City Series

Upper Glass Clamps (Side A or B)



Item	Part #	Description
1	666-038	Upper/Lower Glass Clamps Right
2	666-039	Upper/Lower Glass Clamps Left

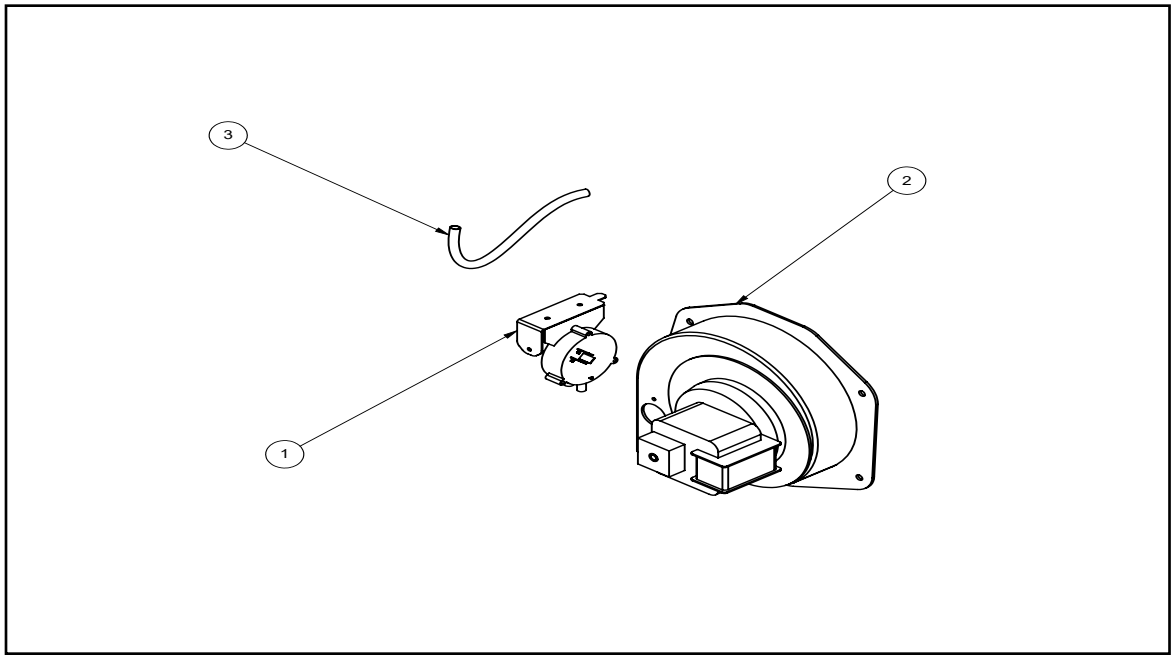
Lower Glass Clamps (Side A or B)



Item	Part	Description
1	666-038	Upper/Lower Glass Clamps Right
2	666-039	Upper/Lower Glass Clamps Left

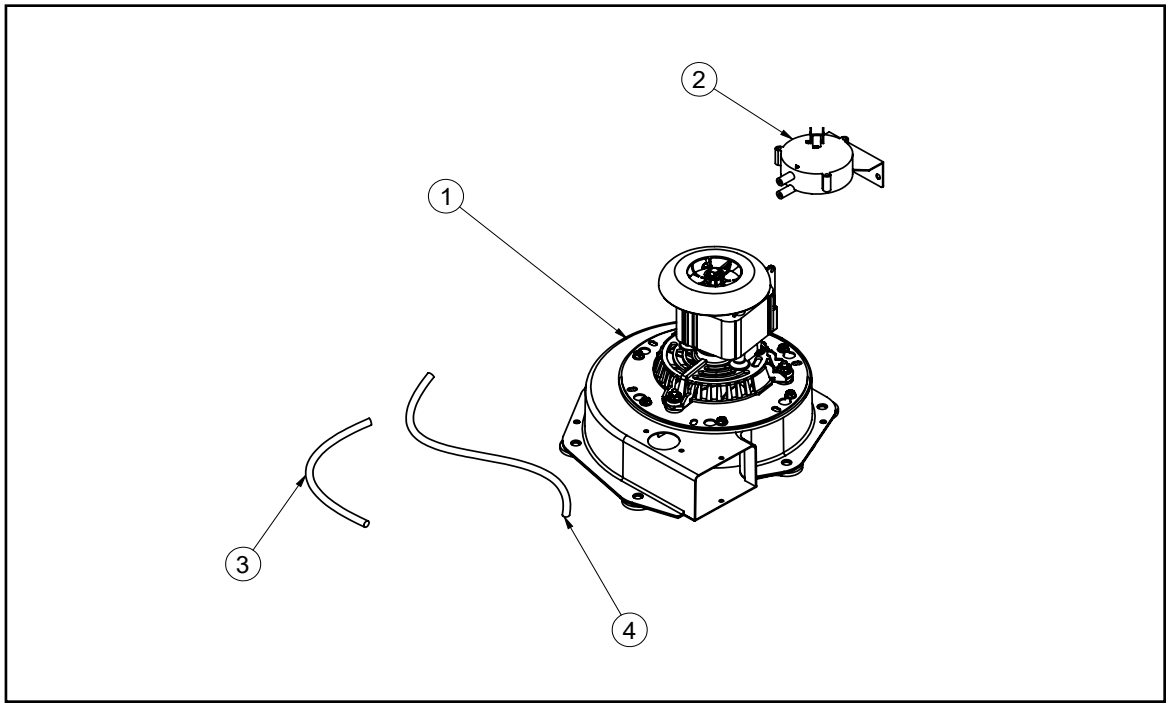
Power Vent-End of Line (Part # 946-535)

#	Part Number	Description
1	911-112/P	Pressure Switch/Sensor (includes bracket)
2	911-244/P	Power Vent Fan Assembly
3	905-017	Straight Wire Connector/Clamp



Power Vent - Inline (Part # 666-945)

#	Part Number	Description
1	911-305/P	120 Volt Fan Motor
2	911-112	Vacuum Switch
3	911-047	Silicone Hose (sold per foot/1 foot required)
4	911-047	Silicone Hose (sold per foot/1 foot required)



Limited Lifetime Warranty

FPI Fireplace Products International Ltd. (for Canadian customers) and Fireplace Products US, Inc. (for US customers) (collectively referred to herein as "FPI") extends this Limited Lifetime Warranty to the original purchaser of this Appliance provided the product remains in the original place of installation. The items covered by this Limited Lifetime Warranty and the period of such coverage are set forth in the table below.

An Appliance in this policy is defined as an Indoor Gas Fireplace, Indoor Gas Insert, Indoor Gas Freestanding Stove.

This Appliance has only been certified and listed for use indoors.**

This Limited Lifetime Warranty starts on the day the Appliance was purchased.

**Note: There are select models which are approved for both indoor/outdoor use. See specific product manuals for details.

The Limited Lifetime Warranty is not transferable, amendable or negotiable under any circumstances.

Indoor Gas Products Warranty Coverage Parts and Labor	**Limited Lifetime**	**5 years**	**2 years**	**1 year**	**Subsidized Labor Coverage* (Years)**
Firebox and Heat Exchanger	✓				3
Steel Burner Tube	✓				3
Glass Thermal breakage only	✓				3
All painted Surrounds/Inlays Finishes White/Black Chase Vents/Steel Framing Kits		✓			3
Brick Panels/Log sets/Ceramic Burners/Grates		✓			3
All Castings		✓			3
Valve assembly and all gas control components (Pilot assembly, flame sensors, Spark Electrode, Pilot Tubing, Orifices, Thermocouple, Thermopile)			✓		2
All Other Electrical components (Ignition Control Boards, Wiring, Wiring Harnesses, Lighting Wiring Assemblies, Switches, Blowers, Blower Control Module, Battery Pack, Remote Control Systems)			✓		2
Enamel Panels/Painted Steel Panels			✓		1
Venting/Venting Components			✓		1
All Stainless steel surrounds All black chrome Brushed nickel/Antique copper Faceplates/surrounds All Inner/Outer Black Glass panels				✓	1
All Firebox Media (Glass Crystals, Crushed Glass, Glass Fire beads, Volcanic, Ceramic, Spa Stones, River Pebbles, Fireballs)				✓	1
All hardware				✓	1
WIFI Dongle				✓	1
Mesh/Glass Safety Barriers				✓	1
Accent Light Bulbs				✓	1
Glass (Crazing)				✓	1

Note: Warranty coverage noted above may not be applicable as components/options vary based on appliance purchased.

Conditions:

Warranty protects against defect in manufacture or FPI factory-assembled components only, unless herein specified otherwise.

***This warranty does not cover dealer travel costs, mileage, fuel, tolls for diagnostic or service work. All labor rates paid to authorized dealers are subsidized, pre-determined rates. Dealers may charge you for travel and additional time beyond their subsidy.**

Any part(s) found to be defective during the warranty period as outlined above will be repaired or replaced at FPI's option through an accredited distributor, dealer or pre-approved and assigned agent; provided that the defective part is returned to the distributor, dealer or agent for

inspection if requested by FPI. Alternatively, FPI may, at its discretion, fully discharge all of its obligations under warranty by refunding the verified purchase price of the product to the original purchaser. The purchase price must be confirmed by the original Bill of Sale. **The authorized selling dealer, or an alternative authorized FPI dealer if pre-approved by FPI, is responsible for all in-field diagnosis and service work related to all warranty claims. FPI is not responsible for results or costs of workmanship of unauthorized FPI dealers or agents in the negligence of their service work.**

At all times, FPI reserves the right to inspect reported in the field/on location complaints of products claimed to be defective before processing or authorizing any claim. Failure to allow this upon request will void the warranty.

All warranty claims must be submitted by the dealer servicing the claim, including a copy of the Bill of Sale (proof of purchase by you). All claims must be complete and provide full details as requested by FPI to receive consideration for evaluation. **Incomplete claims may be rejected.**

Replacement Appliances to the original purchaser are limited to one per warranty term. Appliances must be installed according to all manufacturers' instructions as per the manual. All Local and National required codes must be met.

The installer is responsible for ensuring the Appliance is operating as designed at the time of installation.

The original purchaser is responsible for the annual maintenance of the Appliance, as outlined in the owner's manual. As outlined below, the warranty may be voided due to problems caused by a lack of maintenance.

Records/receipts of any maintenance completed on the appliance must be kept in case asked for when dealer submits a warranty claim.

Purchased parts: Repair/replacement parts purchased by the consumer from FPI after the original coverage has expired on the Appliance will carry a **90-day** warranty from the purchase date, 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.

Special Finishes - One year on brushed nickel, black chrome and antique copper faceplates/surrounds. You can expect some changes in color as the product "ages" with constant heating and cooling. FPI warranties the product for any manufacturing defects on the original product. However, the manufacturer's warranty does not cover changing colors and marks, i.e. fingerprints, etc. applied after the purchase of the product. Damage from the use of abrasive cleaners is not covered by warranty.

If freight damage has been found either externally or internally, the dealer must be informed within 3 days. All claims as a result of damage must be submitted by the dealer servicing the claim, including a copy of the Bill of Sale (proof of purchase). All claims must be complete and provide full details as requested by FPI to receive consideration for evaluation. **Incomplete claims may be rejected.**

As this is a Limited Lifetime Warranty, if the Appliance needs to be replaced, the Appliance that was purchased at the time of sale might not be replaced with exactly the same model Appliance. In that case, FPI will replace your Appliance with one that is similar at the time of replacement under the terms of this Limited Lifetime Warranty, but ONLY in the event that an item covered by the Limited Lifetime Warranty is found to be defective. Please refer to the table on first page of this warranty for items covered by the Limited Lifetime Warranty. Product changes might be the result of the original Appliance being discontinued, changes in regulatory requirements, product advancements, etc., which are beyond the control of FPI. **This Limited Lifetime Warranty does not cover any installation costs, or costs associated with changes of required clearances for the replacement Appliance, hearth pads, mantles, facing and/or facing materials such as framing, completed walls made of drywall, wood, non-combustible board, tile, brick, stone, marble etc., venting/chimney systems, or components of the chimney system.**

If a suitable replacement is not available, FPI will refund **50%** of the purchase price of the Appliance and any applicable FPI accessories (faceplates, brick panels, media, etc.) purchased at the time of sale. **In no event will FPI refund any portion of the purchase price of, or reimburse costs associated with, any other items, including without limitation, installation of a new Appliance, changes of required clearances for a new Appliance, hearth pads, mantles, facing and/or facing materials such as framing, completed walls made of drywall, wood, non- combustible board, tile, brick, stone, marble etc., venting/chimney systems, or components of the chimney system. A copy of the receipt or bill of sale will be necessary to validate the purchase price.**

For appliances approved for both Indoor/Outdoor use:

Optional finishing trims and faceplate's may be used in the outdoor environment. Plated faceplates are not recommended for outdoor installation due to the high potential for oxidation to form on the surface. However, please note that some fading or corrosion will occur due to environmental exposure. This would also apply to the gas appliance. Rust/corrosion is not covered under the terms of the warranty policy.

Fan kits may be installed but are not recommended in areas where there is high humidity. The appliance must be vented the same as if installed indoors. Follow the same guidelines/venting parameters when this is installed outdoors. Horizontal termination caps must not discharge into the same space shared by the front of the appliance. Vertical termination caps are recommended.

Appliances approved for use outdoors must be installed in a weatherproof enclosure while still following all clearance to combustible materials as outlined in the appliance manual.

Exclusions:

This Limited Lifetime Warranty does not extend to paint, rust or corrosion of any kind due to a lack of maintenance or improper venting, combustion air provision, corrosive chemicals (i.e. chlorine, salt, air, etc.), door, valve, pilot, fan cover, pressure relief door or glass gasketing, batteries, color fading, carbon/sooting of the log sets due to use and does not cover lava rock, platinum/glowing embers, andiron black embers, vermiculite.

Malfunction, damage or performance-based issues as a result of environmental conditions, location, chemical damages, downdrafts, installation error, an installation by an unqualified installer, incorrect chimney components (including but not limited to cap size or type), operator error, abuse, misuse, use of improper fuels, lack of regular maintenance and upkeep, acts of God, weather-related problems from hurricanes, tornados, earthquakes, floods, lightning strikes/bolts or acts of terrorism or war, which result in a malfunction of the Appliance are not covered under the terms of this Limited Lifetime Warranty.

FPI has no obligation to enhance or modify any Appliance once manufactured (i.e. as products evolve, field modifications or upgrades will not be performed on existing Appliances).

Any Appliance showing signs of neglect or misuse will not be covered under the terms of this warranty policy and may void this warranty, including Appliances with rusted or corroded fireboxes that have not been reported as rusted or corroded within **three (3)** months of installation/purchase.

Appliances which show evidence of being operated while damaged, or with problems known to the purchaser and causing further damages will void this warranty.

Appliances where the serial no. has been altered, deleted, removed or made illegible will void this warranty.

Minor movement, expansion and contraction of the steel is normal and is not covered under the terms of this warranty.

Freight damages for products or parts are not covered under the terms of the warranty.

Products made or provided by other manufacturers and used in conjunction with the FPI Appliance without prior authorization from FPI may void this warranty.

Limitations of Liability:

The original purchaser's exclusive remedy under this warranty, and FPI's sole obligation under this Limited Lifetime Warranty, express or implied, in contract or in tort, shall be limited to replacement, repair, or refund, as outlined above. IN NO EVENT WILL FPI BE LIABLE UNDER THIS WARRANTY FOR ANY INCIDENTAL OR CONSEQUENTIAL COMMERCIAL DAMAGES OR DAMAGES TO PROPERTY. TO THE EXTENT PERMITTED BY APPLICABLE LAW, FPI MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE. IF IMPLIED WARRANTIES CANNOT BE DISCLAIMED, THEN SUCH WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some US states do not allow limitations on how long an implied warranty lasts, or allow exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

Customers located outside the US should consult their local, provincial or national legal codes for additional terms, which may apply to this warranty.

How to Obtain Warranty Service:

Customers should contact the authorized selling dealer to obtain warranty service. In the event the authorized selling dealer is unable to provide warranty service, please contact FPI by mail at the address listed below. Please include a brief description of the problem and your address, email and telephone contact information. A representative will contact you to make arrangements for an inspection and/or warranty service.

Canadian Warrantor:

FPI Fireplace Products International Ltd.

6988 Venture St. Delta, British Columbia
Canada, V4G 1H4

U.S. Warrantor:

Fireplace Products US, Inc.

PO Box 2189 PMB 125

Blaine, WA

United States, 98231

Or contact the Regency Customer Care Centre at 1-800-442-7432 (phone) / 604-946-4349 (fax) /customerservice@regency-fire.com (e-mail)

Product Registration and Customer Support:

Thank you for choosing a Regency Fireplace. Regency strives to be a world leader in the design, manufacture, and marketing of hearth products. To provide the best support for your product, we request that you complete a product registration form at http://www.regency-fire.com/Customer-Care/Warranty-Registration.aspx within **ninety (90)** days of purchase.

REGENCY
FIREPLACE PRODUCTS

Product Registration and Customer Support:

Thank you for choosing a Regency Fireplace. Regency strives to be a world leader in the design, manufacture, and marketing of hearth products. To provide the best support for your product, we request that you complete a product registration form found on our Web Site under Customer Care within ninety (90) days of purchase.

For purchases made in **CANADA or the UNITED STATES**:
http://www.regency-fire.com/Customer-Care/Warranty-Registration.aspx

For purchases made in AUSTRALIA:
http://www.regency-fire.com.au/Customer-Care/Warranty-Registration.aspx

You may also complete the warranty registration form below to register your Regency Fireplace Product and mail and/or fax it back to us, and we will register the warranty for you. It is important you provide us with all the information below in order for us to serve you better.

Warranty Registration Form (or Register online immediately at the above Web Site):

Warranty Details	
Serial Number (required):	
Purchase Date (required) (mm/dd/yyyy):	
Product Details	
Product Model (required):	
Dealer Details	
Dealer Name (required):	
Dealer Address:	
Dealer Phone #:	
Installer:	
Date Installed (mm/dd/yyyy):	
Your Contact Details (required)	
Name:	
Address:	
Phone:	
Email:	

For purchases made in CANADA:

FPI Fireplace Products International Ltd.
6988 Venture St.
Delta, British Columbia
Canada, V4G 1H4

Phone: 604-946-5155
Fax: 1-866-393-2806

For purchases made in the UNITED STATES:

Fireplace Products US, Inc.
PO Box 2189 PMB 125
Blaine, WA
United States, 98231

Phone: 604-946-5155
Fax: 1-866-393-2806

For purchases made in AUSTRALIA:

Fireplace Products Australia Pty Ltd
99 Colemans Road
Dandenong South, Vic. 3175
Australia

Phone: +61 3 9799 7277
Fax: +61 3 9799 7822

For fireplace care and tips and answers to most common questions please visit our Customer Care section on our Web Site. Please feel free to contact your selling dealer if you have any questions about your Regency product.

PRODUCT LIFE CYCLE:
By recycling your used appliances, you divert waste from your local landfills and help the environment. You also reduce the need for raw materials to manufacture new products. Contact your local municipality for appliance recycling services, local recycling programs, or appliance removal services to ensure your Regency appliance components, and packaging are properly recycled.

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Installer: Please complete the following information

Dealer Name & Address:_____

_____

Installer: _____

Phone #: _____

Date Installed:_____

Serial #:_____

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