



Regency Horizon® HZO60 Outdoor Gas Fireplace

Owners & Installation Manual

MODELS: HZO60-NG
HZO60-LP



WARNING: FOR OUTDOOR USE ONLY

www.regency-fire.com

⚠ WARNING:

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

⚠ WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

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

⚠ WARNING - FOR YOUR SAFETY

What to do if you smell gas:

- Shut off gas to the appliance.
- Do not try to light any appliance.
- Extinguish any open flame.
- If odour continues, keep away from the appliance and immediately call your gas supplier or fire department.
- Do not touch any electrical switch: do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone.
- Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

⚠ WARNING:

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

Tested by:



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

Homeowner: Please keep these instructions for future reference.

To the New Owner:

Congratulations!

You are the owner of a state-of-the-art Gas Fireplace by REGENCY®. The Horizon® HZO60 Outdoor fireplace has been designed to provide you with all the warmth and charm of a fire at the flick of a switch. The Horizon® HZO60 Outdoor fireplace has been approved by Warnock Hersey/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.



WARNING!



**HOT GLASS WILL
CAUSE BURNS**

**DO NOT TOUCH GLASS
UNTIL COOLED**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS**

NATIONAL
FIREPLACE
INSTITUTE



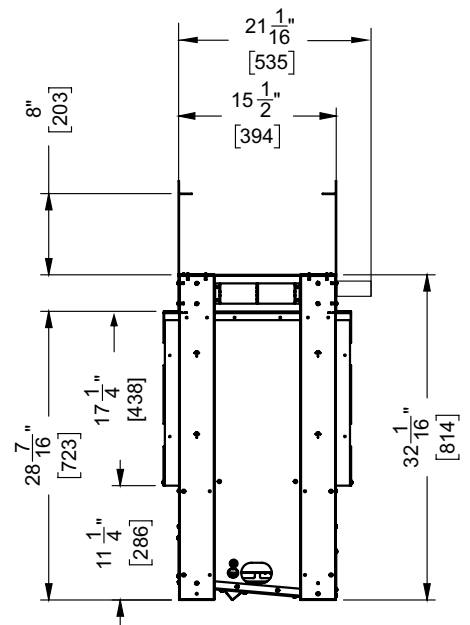
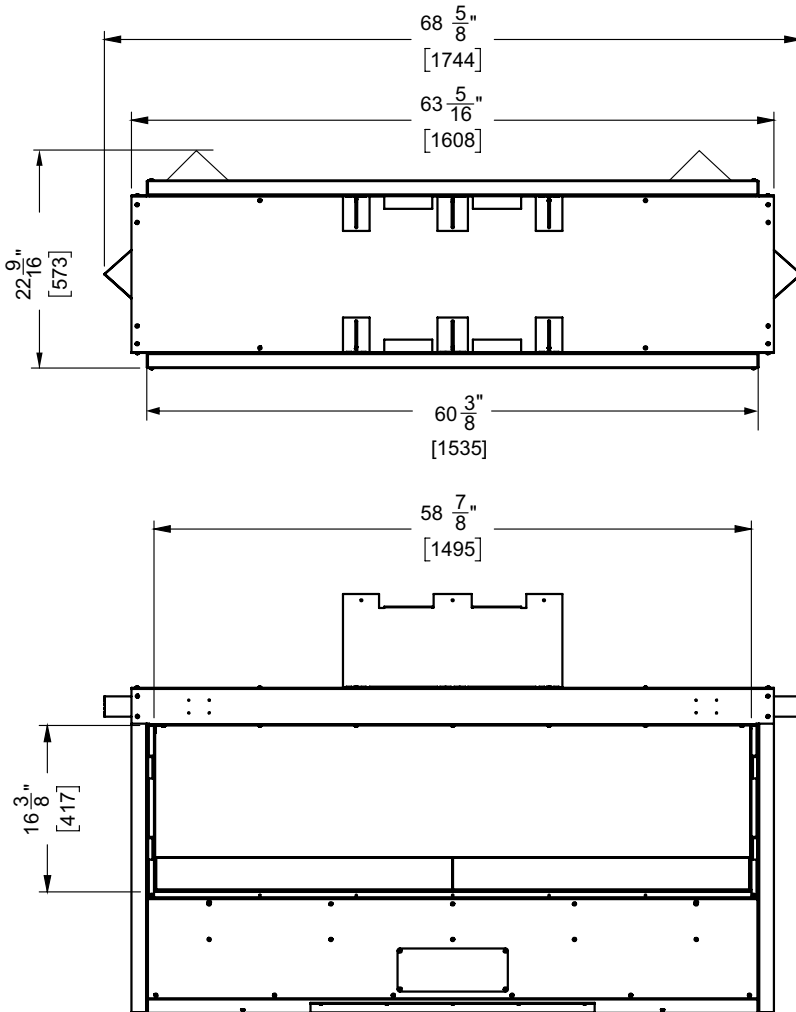
CERTIFIED
www.nficertified.org

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



Copy of Safety Decal	4
Unit Dimensions - HZO60 single sided.....	5
Unit Dimensions - HZO60 see through.....	6
Important Message	7
Before You Start.....	7
General Safety Information.....	7
Installation Checklist.....	8
Locating Your Gas Fireplace.....	8
Outdoor appliance installation summary	9
Minimum Clearances to combustibles	10
Framing Dimensions single sided.....	11
Mantel Clearances.....	13
Mantel leg clearances.....	13
Non-Combustible Requirements.....	14
Framing & Finishing.....	15
High Elevation.....	16
Gas Line Installation	16
Pilot Adjustment.....	16
Gas Pipe Pressure Testing	16
886 S.I.T. Valve Description	16
Aeration Adjustment	16
Unit Assembly Prior to Installation.....	17
Standoff Assembly.....	17
Nailing Strips.....	17
Converting the unit from single sided to see thru	18
Drain Installation (Recommended)	19
Wall switch and battery installation.....	20
(included with unit).....	20
Wiring Diagram.....	21
Optional hardwire kit installation	22
AC adaptor installation	25
Inner panel removal/ installation	26
Glass Crystal / Basalt volcanic stones installation	27
Optional Log Set Installation.....	28
Faceplate installation	32
Glass wind shield installation.....	33
Operating Instructions	34
Lighting Procedure	34
Shutdown Procedure	34
First Fire	34
Aeration Adjustment	34
Copy of Lighting Plate Instructions	35
Maintenance Instructions	36
Valve assembly Replacement.....	37
Main Assembly	39
Warranty	42

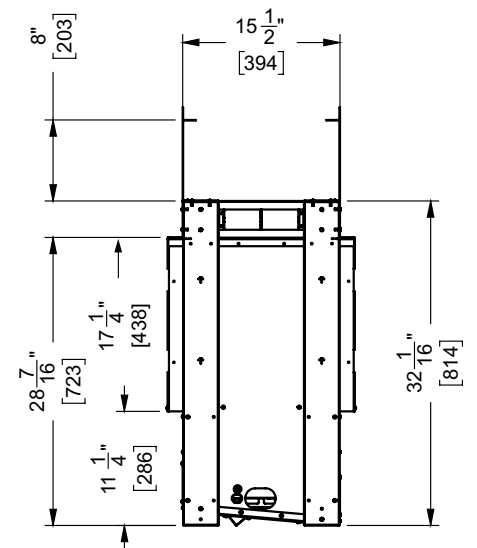
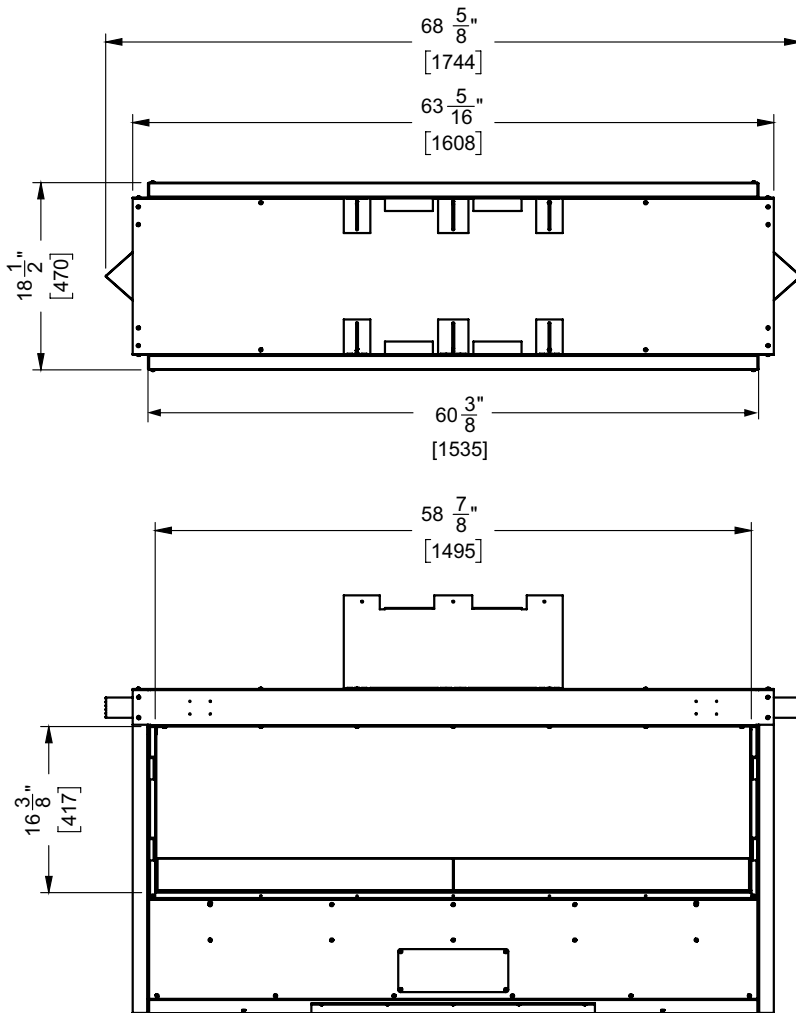
UNIT DIMENSIONS - HZO60 SINGLE SIDED



ALL PICTURES / DIAGRAMS SHOWN THROUGHOUT THIS MANUAL ARE FOR ILLUSTRATION PURPOSES ONLY.
ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENTS.

6 | dimensions

UNIT DIMENSIONS - HZO60 SEE THROUGH



IMPORTANT MESSAGE SAVE THESE INSTRUCTIONS

The HZO60 Gas Fireplace must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the "authority having jurisdiction" to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with manufacturers instructions and all applicable codes.

BEFORE YOU START

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

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

ANY GUARD OR OTHER PROTECTIVE DEVICE REMOVED FOR SERVICING THE APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE

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

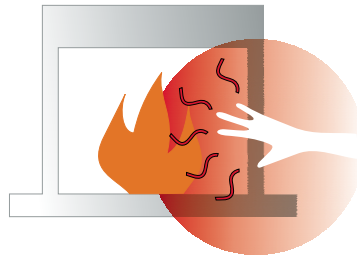
CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES, ESPECIALLY THE FIREPLACE GLASS AND FACEPLATE, AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.

THIS APPLIANCE SHALL BE USED ONLY OUTDOORS IN A WELL-VENTILATED SPACE AND SHALL NOT BE USED IN A BUILDING, GARAGE OR ANY OTHER ENCLOSED AREA.

DO NOT USE THIS APPLIANCE IF ANY PART HAS BEEN UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE APPLIANCE AND TO REPLACE ANY PART OF THE CONTROL SYSTEM AND ANY GAS CONTROL WHICH HAS BEEN UNDER WATER.

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

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



GENERAL SAFETY INFORMATION

- 1) The installation must conform with local codes or, in the absence of local codes, with *CAN/CSA-B149.1*, Natural Gas and Propane Installation Code or *CAN/CSA-B149.2*, Propane installation code the Natural Gas Fuel Code, *ANSI Z223.1/NFPA 54*.
- 2) The appliance when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes with the Canadian Electrical Code CSA C22.1 or with the National Electrical Code, *ANSI/NFPA 70*.
- 3) See general construction and assembly instructions. The appliance should be enclosed.
- 4) Inspect the burner before each use of the appliance for blockage and any signs of deterioration.

- 5) To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.
- 6) Wear gloves and safety glasses for protection while doing required maintenance.
- 7) Maximum gas inlet pressure = 1/2 psig.
- 8) Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance.
- 9) Installation and any repairs to this appliance should be done by a qualified service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.
- 10) Under no circumstances should any solid fuels (wood, paper, cardboard, coal, etc.) be used in this appliance.
- 11) The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5kPa).
- 12) The appliance area must be kept clear and free of combustible materials, (gases and other flammable vapours and liquids).

It is highly recommended to protect the interior from moisture (rain, snow). Cover the enclosure opening when not in use. This fireplace is only for use with the type of gas indicated on the rating plate. This fireplace is not convertible for use with other gases, unless a certified kit is used.

- 13) Cover **must** be removed when burner is in operation.
- 14) When not using appliance for extended periods of time - turn off gas supply.

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

INSTALLATION CHECKLIST

1. Locate appliance:
 - a) Refer to "Locating your gas fireplace" section
 - b) Clearances to Combustibles (Refer to "Clearances" section)
 - c) Mantel Clearances (Refer to "Combustible Mantel Clearances" section)
 - d) Framing & Finishing Requirements (Refer to "Framing & Finishing" section)
2. Top Facing Support and Side Nailing Strips (Refer to "Unit Assembly Prior to Installation" Section). **Note:** Must be done before installing unit into place.
3. Drain Installation.
4. Install ON/OFF switch - ensure it is in the OFF position.
5. Make gas connections - test for leaks.
6. Install 4 "AA" batteries
7. Install standard and optional features. Refer to the following sections:
 - a. Inner Panel
 - b. Glass Crystals
 - c. Stone Installation (optional)
 - d. Log Installation (optional)
 - e. LP conversion Installation (optional)
 - f. Glass Wind Shield Installation
 - g. Hardwire Installation (optional)
 - h. Faceplate Installation (optional)
8. Final check.

This includes:

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

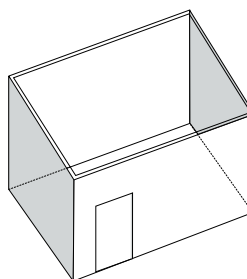
CAUTION: Any alteration to the product that causes sooting or carboning that results in damage is not the responsibility of the manufacturer.

NOTE: In order to function correctly, these types of appliances require at least 50% open access for permanent ventilation/airflow. Open ventilation/airflow space comes from walls and roof/ceiling. Open floor space around the unit must not be considered ventilation/airflow space.

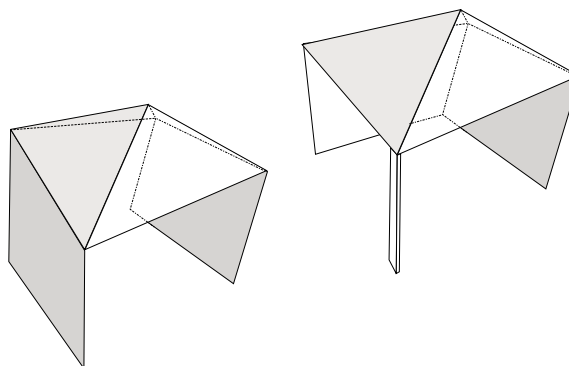
LOCATING YOUR GAS FIREPLACE

1. When selecting a location for your fireplace, ensure that the clearances are met.
2. This appliance must be installed in an open-air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.
3. Certain materials or items, when placed under or near the appliance, will be subjected to radiant heat and could become damaged.
4. Typically an outdoor space is not enclosed but, any enclosure in which the appliance is used shall comply with one of the following:

An enclosure with walls on all sides, but at least one permanent opening at ground level and no overhead cover.



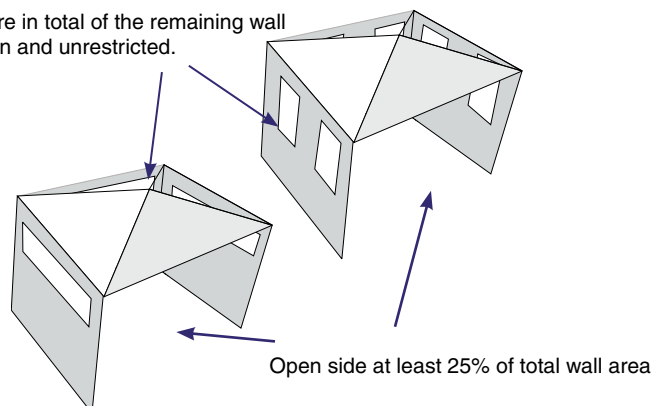
Within a partial enclosure that includes an overhead cover and no more than two walls.



Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:

- At least 25% of the total wall area is completely open, and
- At least 30% of the remaining wall area is open and unrestricted

30% or more in total of the remaining wall area is open and unrestricted.



***SEE IMPORTANT INSTALLATION NOTES NEXT PAGE**

IMPORTANT INFORMATION FOR OUTDOOR FIREPLACE INSTALLATIONS

- Never insulate around the body of the unit
- Excessive heat retention in the firebox will lead to component failure and fireplace malfunction
- Excessive heat retention will also increase the risk of fire inside the chase
- Heat retention can cause “Oil-canning” and damage the fireplace due to overheating
- Do not build up a wall of any type in front or to the sides of the appliance, higher than the firebox opening. This will create a pressure zone at the firebox and will prevent the unit from venting
- This is an outdoor appliance with a built-in drain. This drain should be installed and connected in all applications as per the instructions in this manual
- Inadequate drainage will cause rust and reduce the life of your appliance, this is not protected by warranty

COMPONENTS IN OUTDOOR APPLIANCES

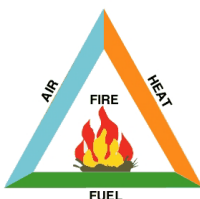
- Outdoor units use the same consistent, reliable Electronic components used in most Regency “E” units
- Installed correctly, these components will be subjected to far lower temperatures than indoor units, which have been certified as safe from heat etc
- Working gas pressures are as critical in outdoor products as they are in indoor products, even more important in Electronic systems

COMMON MISCONCEPTIONS REGARDING OUTDOOR FIREPLACES

- There is a common misconception that being outdoors, an Outdoor Fireplace will function, regardless of circumstances,
- Outdoor fireplaces require the same amount of ventilation as indoor units, often more
- Outdoor units require adequate ventilation to the atmosphere, which in turn provides ongoing circulatory combustion air
- This type of Appliance Vents.
- All Outdoor Fireplace Products have the same need for Air/Oxygen, and an ability to Vent
- Even though the appliance is outdoors, this doesn't mean it is getting adequate air
- Requirements are not specific to Regency units
- Read and follow critical location guidelines in this manual

UNDERSTANDING OUTDOOR APPLIANCE REQUIREMENTS

- Don't overlook the obvious
- Widen your margin for error
- Combustion always requires the same three elements
- Only the quantities and volumes change



IMPORTANT THINGS TO REMEMBER

- Correct Working Gas pressure is critical on “E” units
- Wherever possible avoid locating on a flat wall in a tight corner
- Floor space doesn't count as “open area”
- Install to the manual specs for framing and **do not insulate** unit or enclosure
- Framing enclosure must at least meet minimum dimensional specs as per the installation manual
- Only Regency approved media should be used in the firebox (i.e. stones/glass)
- Be aware of pressure zones due to location (i.e. facing the ocean)
- Open walls and doorways to outside air are beneficial to the performance of an outdoor appliance
- Fixed roof/ceiling open areas count towards the total open area overall requirement
- Screens create 40% or more air restriction
- Screened areas are restrictions and reduce open air space, calculate area based on a **closed** screen
- The biggest problems are created by lack of airflow for the appliance
- Outdoor fireplaces are often built-in systems and incorrect installation can result in high repair costs
- Units must not be modified or altered in any way

ANTICIPATED ISSUES CAUSED BY INCORRECT LOCATION OR INSTALLATION

- Unit shutting down intermittently
- Overheating of components leading to failure
- Lifting flame
- Poor flame package (i.e. all to one side, lazy flame)
- Failure to ignite
- Excess carbon
- Safety issues and concerns created from the byproducts of combustion

OUTDOOR APPLIANCES REQUIRE VENTING

- Outdoor appliances must be installed in: open-air situations with natural ventilation and without stagnant areas
- Any gas leakage and products of combustion need to be rapidly dispersed by wind and natural convection
- Typically outdoor spaces are not enclosed, however, failure to adhere to installation guidelines, may cause the outdoor fireplace to be affected by wind or air pressure inside the enclosure
- **ANY** enclosure in which the appliance is used shall comply with one of the diagrams on the previous page.

OUTDOOR APPLIANCE INSTALLATION SUMMARY

- All walls + overhead cover = 100% total area
- One of four walls or full overhead area must be totally open, plus—one of remaining walls must have a fixed opening
- All outdoor fireplaces/fire tables require total **natural** ventilation of 50% open space

MINIMUM CLEARANCES TO COMBUSTIBLES

The clearances listed below are Minimum distances unless otherwise stated:

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

Caution Requirements

The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING

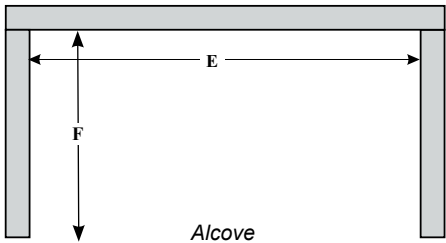
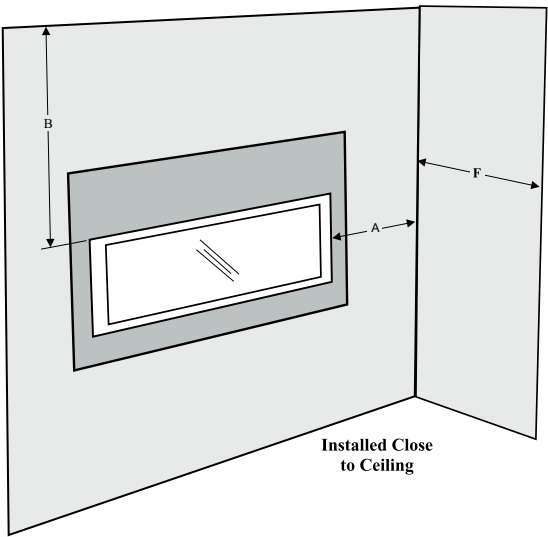
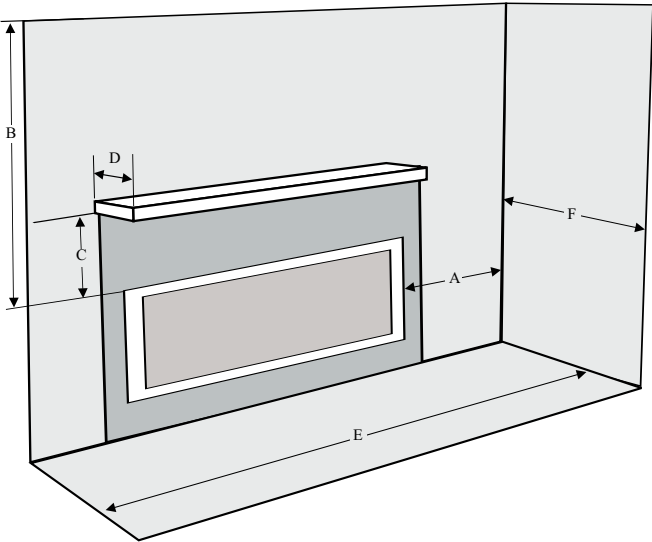
Fire hazard is an extreme risk if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace be installed only in accordance with these instructions.

HZO60 External Clearance Requirements

Clearance:	Dimension	Measured From:
A: Sidewall	11" (203mm)	Side of Fireplace Opening
B: Ceiling	36" (914mm)	Top of Fireplace Opening
C: Mantel Height (min.)	22" (559mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	12" (304mm)	From Wall
E: Alcove Width	86"(2184mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914mm)	Front to Back Wall (Maximum)
Notes:	0"	No Hearth Required

WARNING:

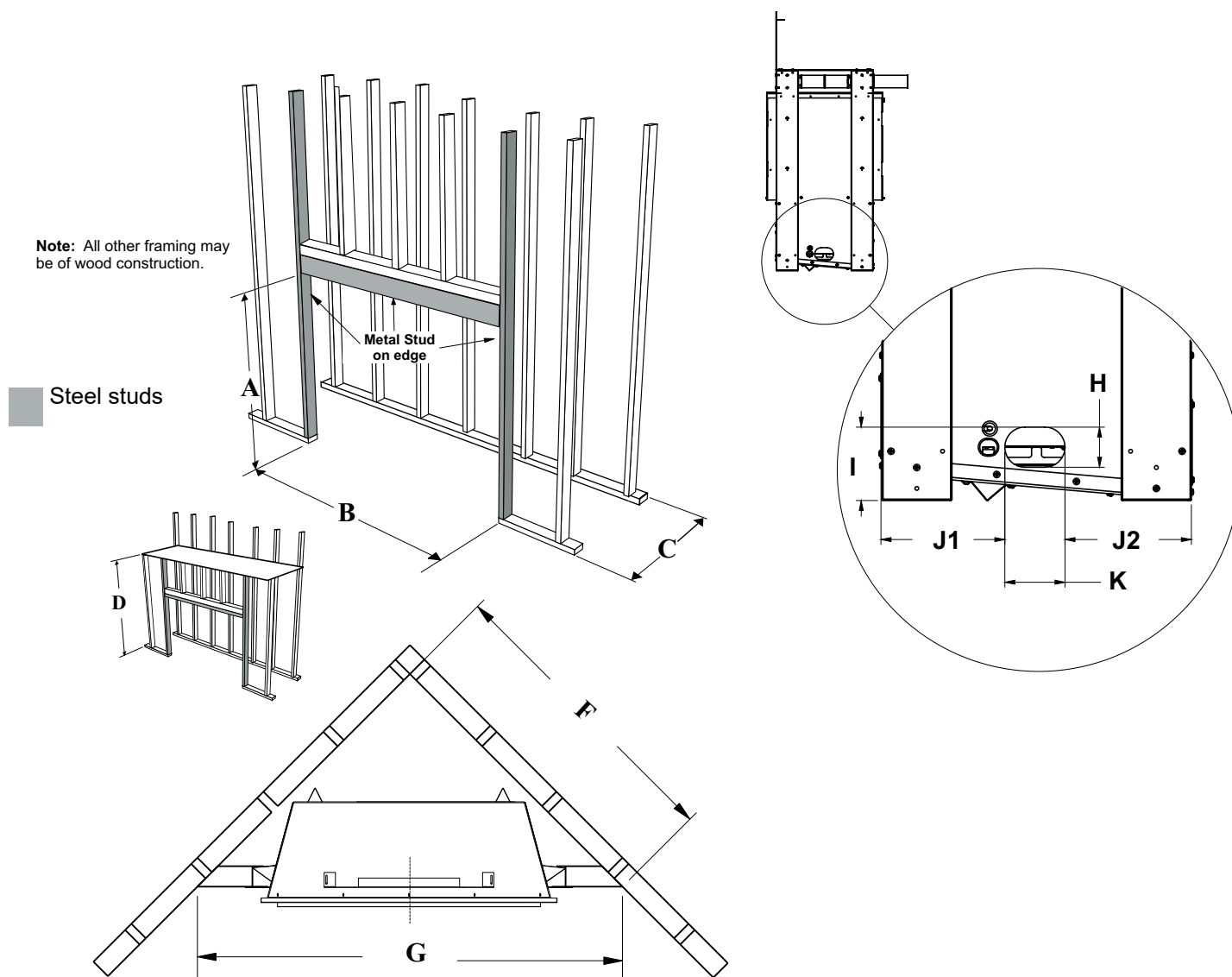
When installing this appliance; do not cover or surround with insulation. This appliance can overheat and cause malfunction and component failure, if covered, or partially covered. If the appliance is installed inside a chase, insulation must be installed on the walls of the chase, not on the appliance.



FRAMING DIMENSIONS SINGLE SIDED

Framing Dimensions	Description	HZO60
A	Framing Height	40-1/4" (1022mm)
B	Framing Width	69" (1753mm)
C	Minimum framing depth	22-1/4" (565mm)
D	Minimum Height to Combustibles (Chase Enclosure)	43-3/4" (1111mm)
F	Corner Wall Depth	76- 13/16" (1951mm)
G	Corner Facing Wall Width	108 - 5/8" (2759mm)
H	Gas Connection Opening Height	2" (51mm)
I	Gas Connection Height	3-11/16 " (93mm)
J1	Gas Connection Inset	6-3/16" (157mm)
J2	Gas Connection Inset	6-3/16" (157mm)
K	Gas Connection Opening Width	3" (76mm)

* Framing depth measurement is noted with the nailing strips set as far forward on the firebox as possible. The nailing strips can be adjusted back up to 1" to allow for varying thicknesses in non-combustible material & wall finishes.



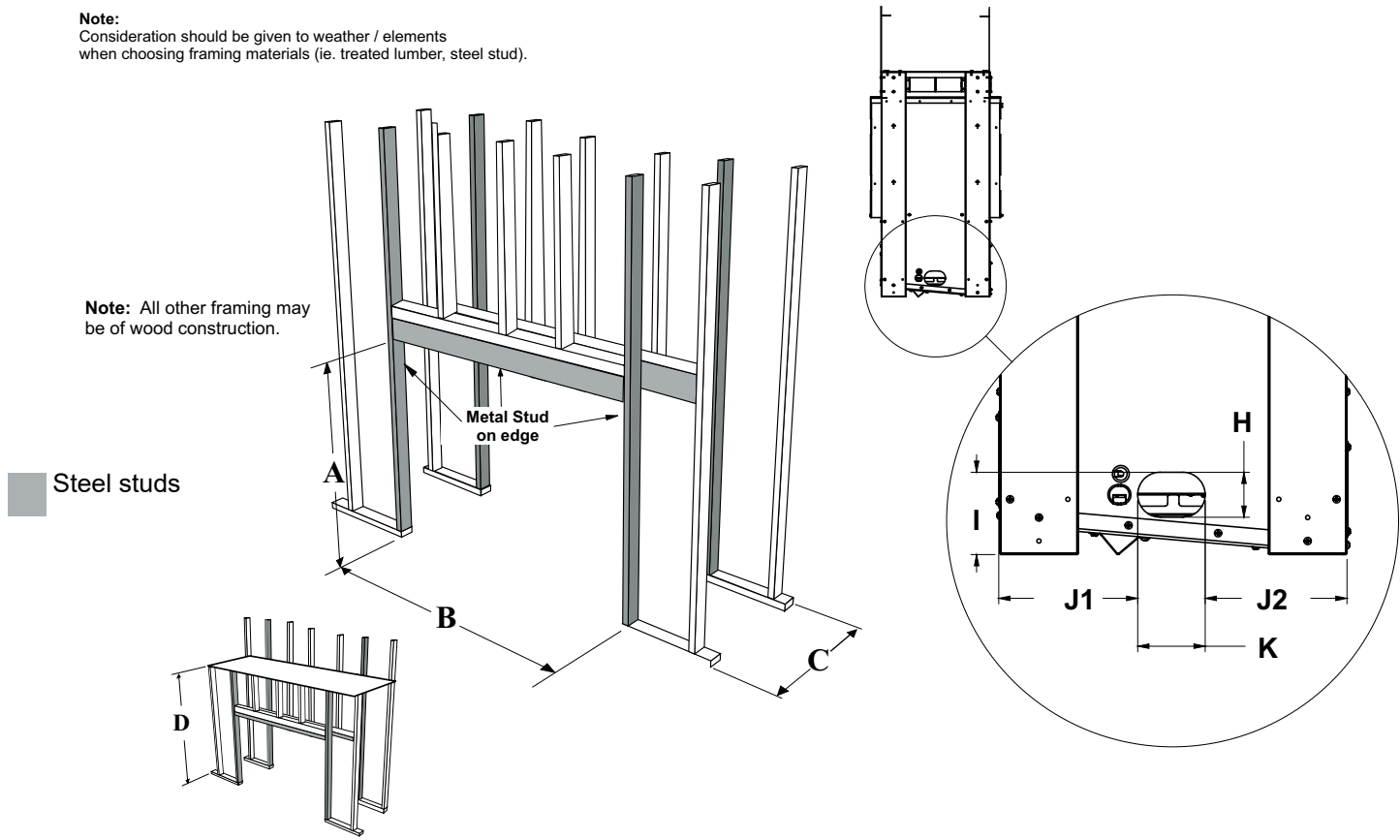
Important Note: Two (2) ventilation grills are highly recommended for all enclosures.

This is to alleviate moisture and allow for air to circulate. Minimum recommended size: 20" sq (508 mm²) ea.

FRAMING DIMENSIONS SEE THROUGH

Framing Dimensions	Description	HZO60 See Through
A	Framing Height	40-1/4" (1022mm)
B	Framing Width	69" (1753mm)
C	Minimum framing depth	18-1/2"" (470mm) **minus 2X the finished material thickness
D	Minimum Height to Combustibles (Chase Enclosure)	43-3/4" (1111mm)
H	Gas Connection Opening Height	2" (51mm)
I	Gas Connection Height	3-11/16 " (93mm)
J1	Gas Connection Inset	6-3/16" (157mm)
J2	Gas Connection Inset	6-3/16" (157mm)
K	Gas Connection Opening Width	3" (76mm)

**Finished material thickness includes: non combustible material, tile slate, etc.
(example framing = 18-1/2" - if 2" thick finishing material is used (on both sides)=14-1/2" framing depth.

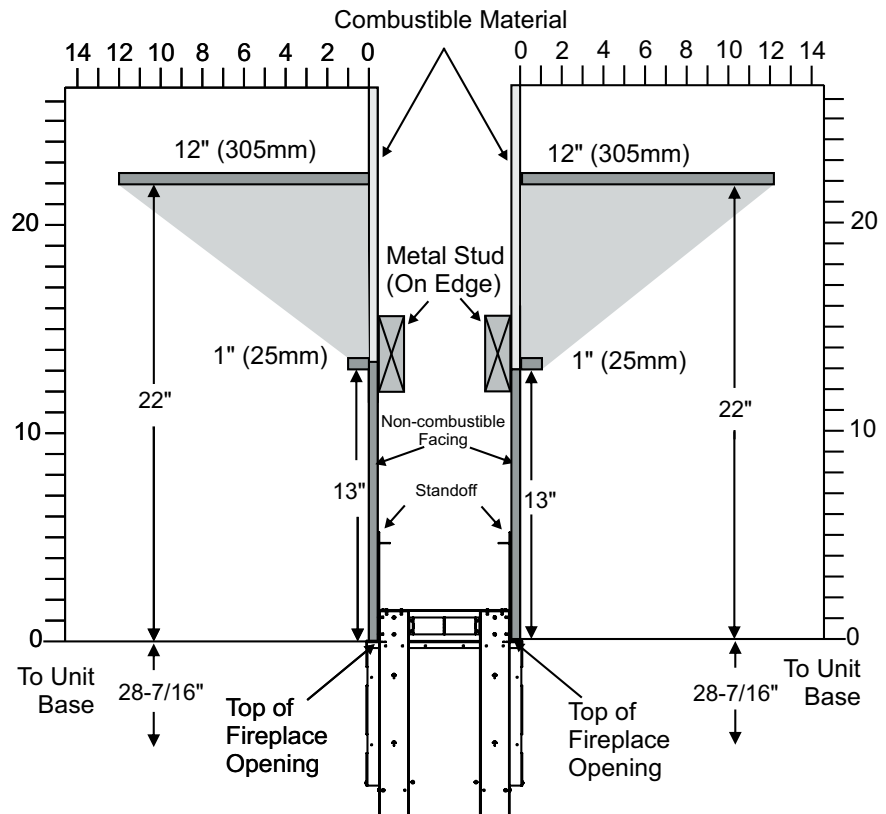


Important Note: Two (2) ventilation grills are highly recommended for all enclosures.
This is to alleviate moisture and allow for air to circulate. Minimum recommended size: 20" sq. (508 mm²) ea.

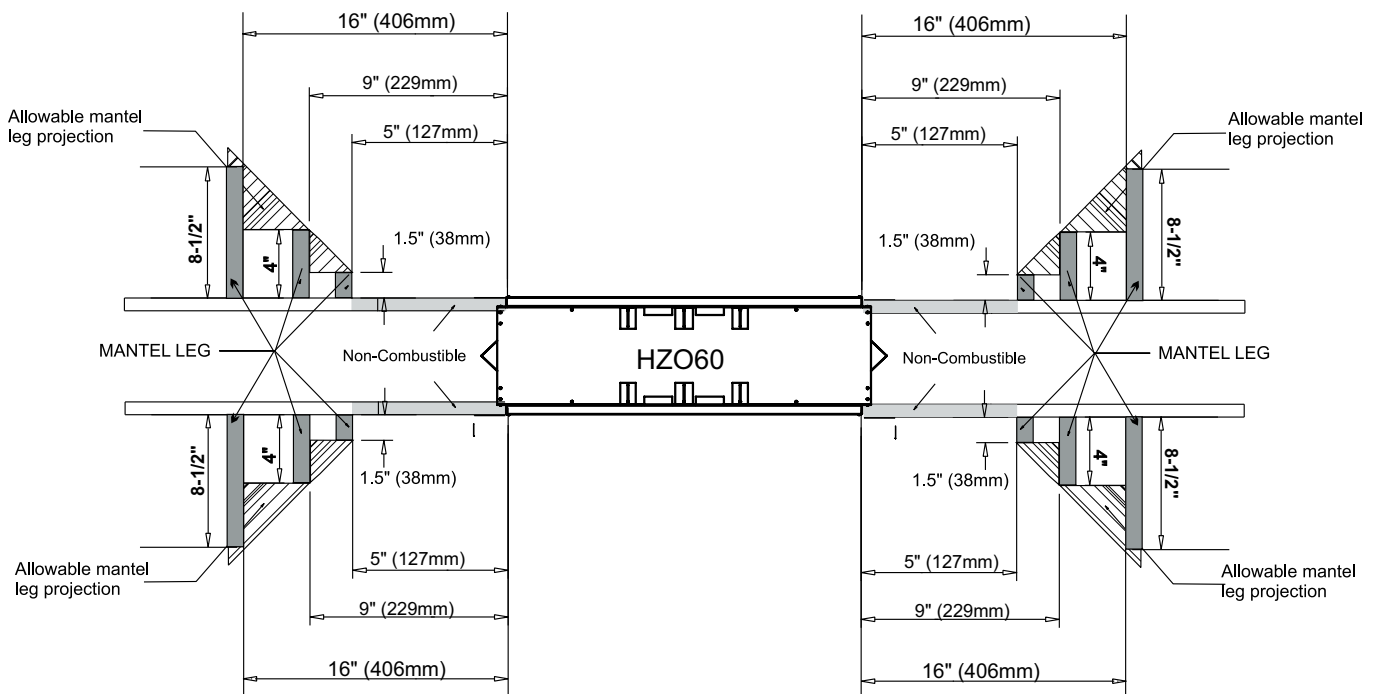
MANTEL CLEARANCES (SINGLE SIDED AND SEE THROUGH)

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the diagram on the right.

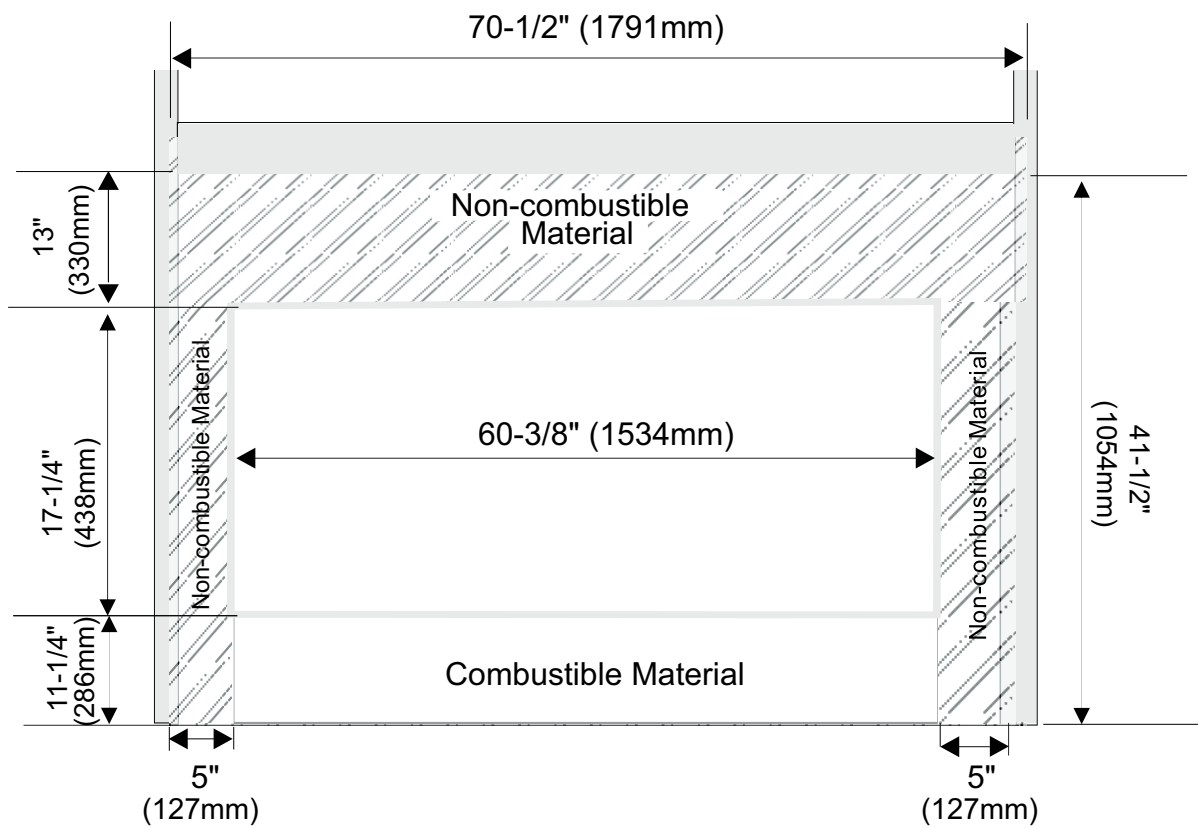
Note: Ensure the paint that is used on the mantel and the facing is "heat resistant" or the paint may discolour.



MANTEL LEG CLEARANCES (SINGLE SIDED AND SEE THROUGH)



NON-COMBUSTIBLE REQUIREMENTS



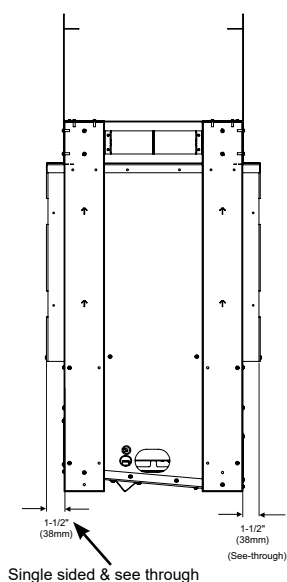
FRAMING & FINISHING

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

IMPORTANT: The header and vertical studs must be metal.

Note: When constructing the framed opening, please ensure there is access to install the gas lines when the unit is installed.

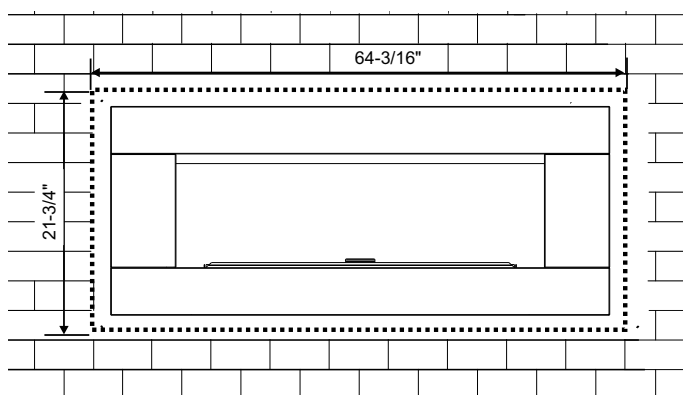
2. The unit does not have to be completely enclosed in a chase. You must maintain clearances from the vent to combustible materials: See "Clearances" section. Combustible materials can be laid against the side and back standoffs and the stove base.
3. Non-combustible material (ie. tile, slate, etc) may be brought up to and overlap the unit (top and bottom) ensuring that the maximum thickness does not go beyond the 1-1/2" as shown in the diagram below. The faceplate will not be able to be mounted if the finished material is beyond 1-1/2". See Step 4 if facing/finishing materials will be more than 1-1/2".



Note:

Depending on the material used for finishing, the nailing strips must be set accordingly so that the finished material is always at the 1-1/2" edge of the flange.

4. If material such as brick, stone, etc. extends past the faceplate depth, when finishing around the faceplate, the minimum opening dimensions noted below must be adhered to ensuring for the removal of the faceplate and for the safe operation of this appliance.



Finished Material	Nailing Strip Position	
1/2"	1"	
1"	1/2"	
1-1/2"	0"	

HZO60-NG SYSTEM DATA	
Max. Supply Pressure	14" WC (3.49 kpa)
Min. Supply Pressure	5" WC (1.25 kpa)
Manifold Pressure	3.5" WC (0.87 kpa)
Manifold Pressure-Low	1.6" WC (0.40 kpa)
Orifice Size	#11 DMS
Minimum Input	42,000 Btu/h (12.31 kW)
Maximum Input	64,000 Btu/h (18.76 kW)

HZO60-LP SYSTEM DATA	
Max. Supply Pressure	14" WC (3.49 kpa)
Min. Supply Pressure	11" WC (2.73 kpa)
Manifold Pressure	10" WC (2.49 kpa)
Manifold Pressure-Low	6.4" WC (1.59 kpa)
Orifice Size	#42 DMS
Minimum Input	49,000 Btu/h (14.36 kW)
Maximum Input	62,000 Btu/h (18.17 kW)

HIGH ELEVATION

This unit is approved for altitude 0 to 4500 ft. (CAN1 2.17-M91).

GAS LINE INSTALLATION

Since some municipalities have additional local codes it is always best to consult with your local authorities and the CAN/CGA B149 installation code.

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

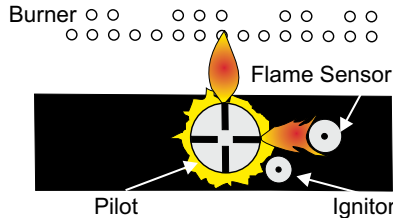
When using copper or flex connectors use only approved fittings. Always provide a union so that gas lines can be easily disconnected for servicing. Flare nuts for copper lines and flex connectors are usually considered to meet this requirement.

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

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

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 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.

GAS PIPE PRESSURE TESTING

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

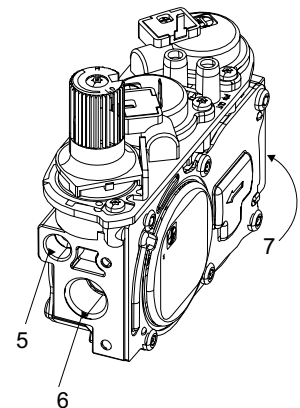
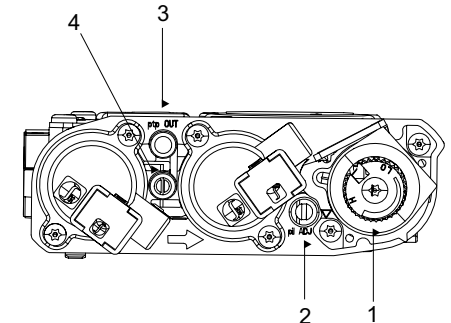
The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point.

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

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

886 S.I.T. VALVE DESCRIPTION

1. Manual high/low adjustment
2. Pilot adjustment
3. Outlet Pressure Tap
4. Inlet Pressure Tap
5. Pilot Outlet
6. Main Gas Outlet
7. Main Gas Inlet



AERATION ADJUSTMENT

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

Minimum Air Shutter Opening:

Fully Closed 1/4" NG LP

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

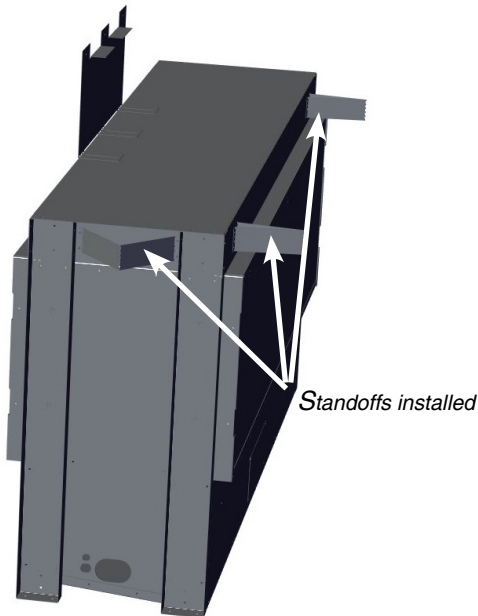
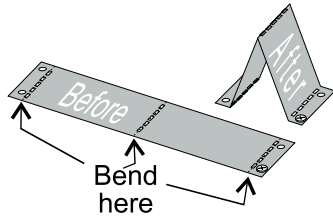
UNIT ASSEMBLY PRIOR TO INSTALLATION

The 4 Standoffs must be correctly positioned and attached before unit is slid into position.

STANDOFF ASSEMBLY

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

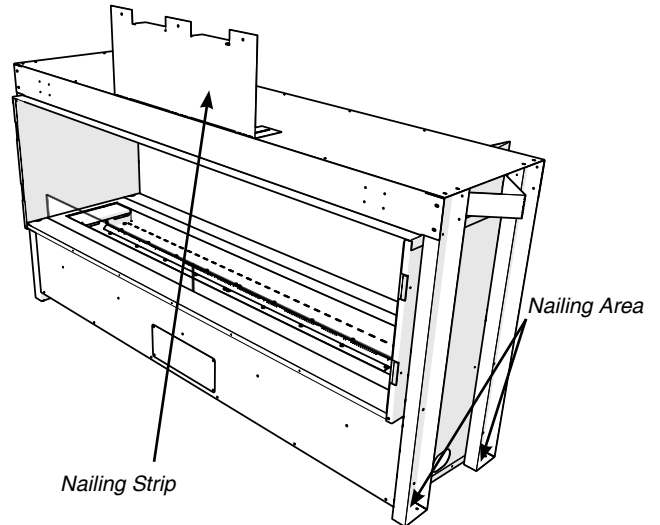
1. Remove the standoffs from the fireplace.
2. Take each standoff and bend into the correct shape. Bend up at the bend lines until the screw holes in the standoff and the pre-punched screw holes on the fireplace top line up.
3. Attach the standoff securely to the unit with 2 screws per standoff (on opposite corners).



NAILING STRIPS

The nailing strips come attached to the unit. There is 1 top plate top that can be folded out as required. There are also 2 holes in each of the side framing ribs that can be used to secure the unit.

Secure the top and side nailing strips to the framing.

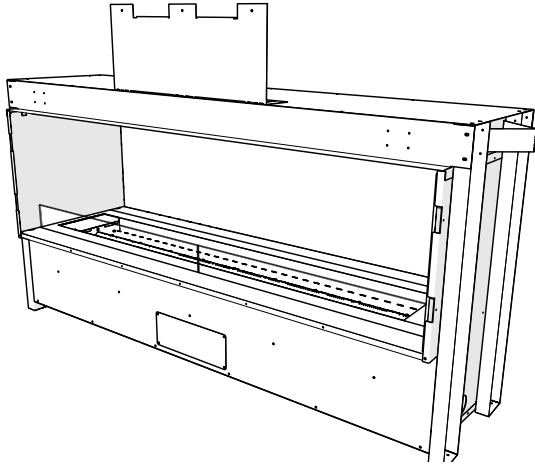


Note:

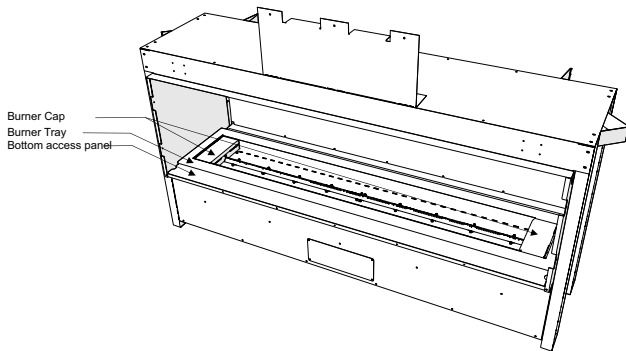
Depending on the material used for finishing, the nailing strips must be set accordingly so that the finished material is always at the 1-1/2" edge of the flange.

CONVERTING THE UNIT FROM SINGLE SIDED TO SEE THRU

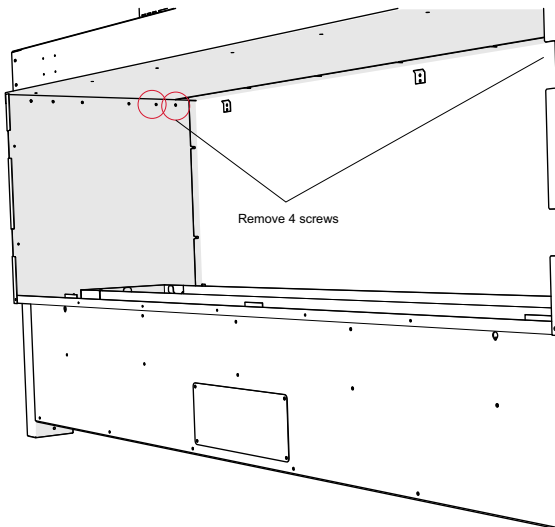
1. If already installed, remove the following: glass windshield, and inner side panels,(see corresponding sections in manual for detailed instructions). Remove the side panel clips and screws also--retain to reinstall panels after removing back firebox panel.



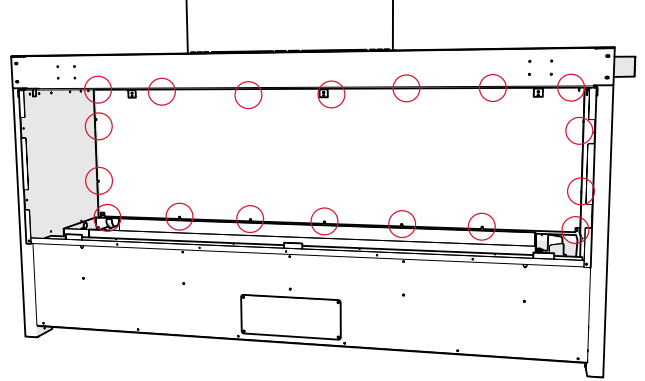
2. Remove the following: bottom access panel , burner tray, and burner end caps by lifting up and out.



3. Remove 2 screws on each side (in locations shown below) retain these screws and replace after back firebox panel is removed.

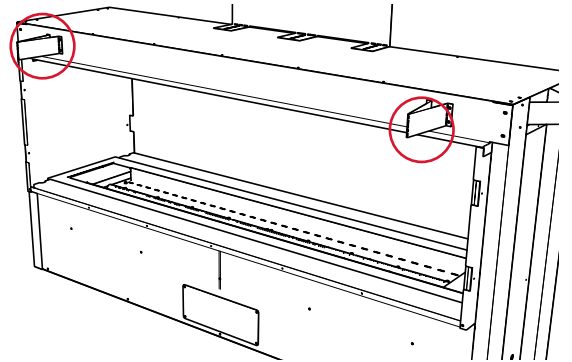


4. From the inside--remove 18 screws (retain top 7 screws) to remove back firebox panel (recycle panel). With screws removed--push back panel in towards the interior of the firebox to remove. After panel is removed, replace top 7 screws into firebox ceiling.

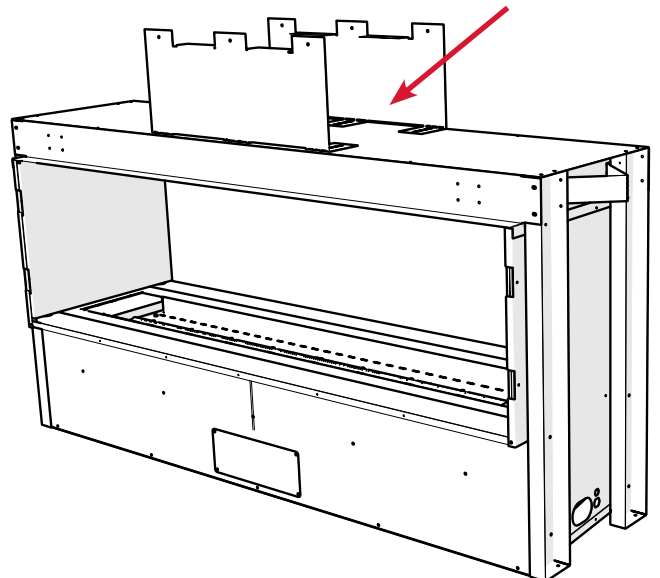


5. Reinstall bottom access panel, burner tray, burner cap and inner panels (side only).

6. Remove 2 back standoffs by removing 4 screws on each side--recycle standoffs.



7. Install 2nd supplied nailing strip to unit with 3 screws.



8. Proceed with framing and installation instructions to complete install.

DRAIN INSTALLATION (RECOMMENDED)

Although this fireplace is designed to operate outdoors safely, rain and other sources of moisture may enter the hearth area, which will cause water to collect inside the base of the unit.

To prevent excessive water collection, the installer must provide a way to drain the water from the base of the unit by building or installing a water collector before positioning the fireplace in its location.

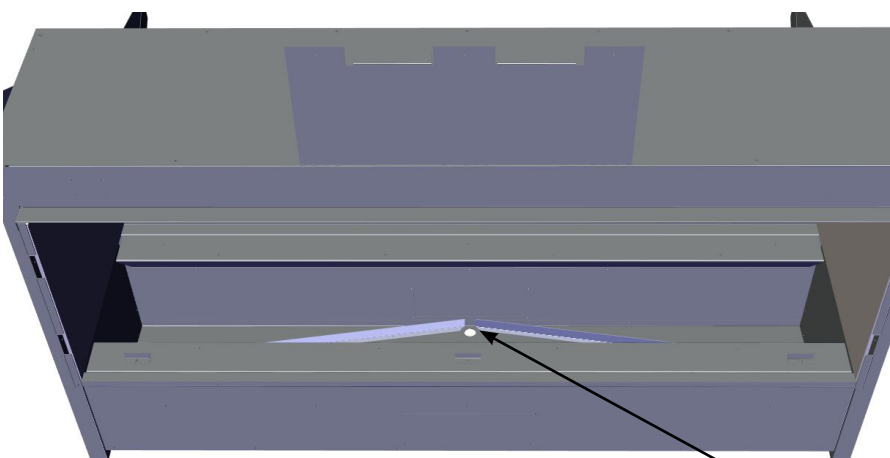
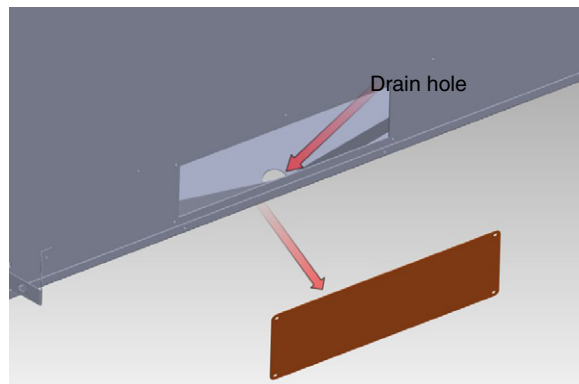
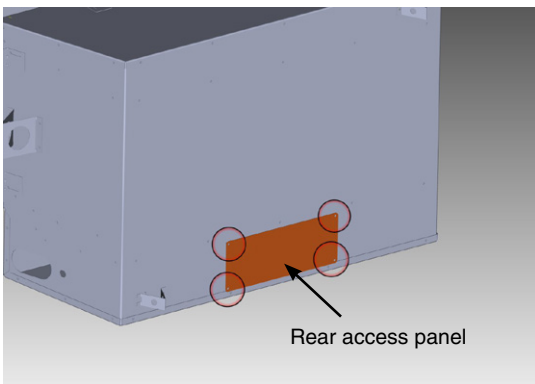
INSTALLATION INSTRUCTIONS

When planning for the installation of the unit, the framing height must be increased by 3/4", when installing a drain pan. Additional space below the unit will also be required to plumb a drain line.

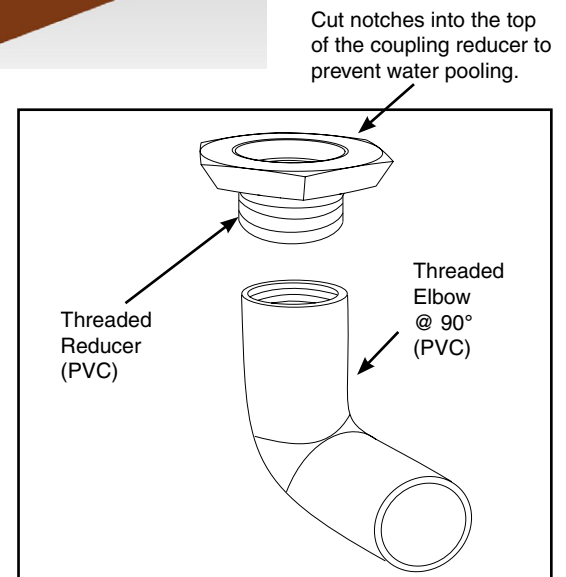
1. Remove 4 screws to remove the rear access panel from the back of the unit - this will allow access to the drain hole at the base of the unit.
2. On the exposed drain hole (see location below), install a PVC 3/4" threaded coupling reducer going from the top of the pan, down through the hole. Apply a silicone-based sealant around the base and threads before installation.
3. Holding the reducer coupling with a wrench, thread a 90° PVC elbow (from the underside of the unit) to the reducer until it is tight to the metal.

Note: To assure proper drainage, that fireplace must be installed on a leveled surface

4. Add additional piping to route the drain to an appropriate location.



Drain hole location at base of the unit

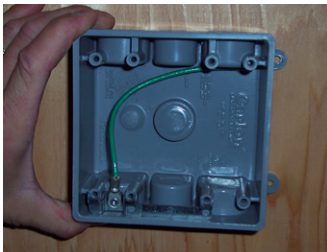


Reducer and elbow can be purchased from your local hardware store.

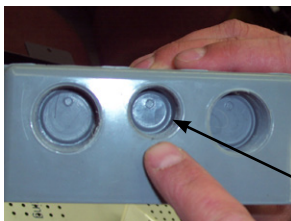
WALL SWITCH AND BATTERY INSTALLATION (INCLUDED WITH UNIT)

The unit comes with low voltage wire and a battery extension wire installed.

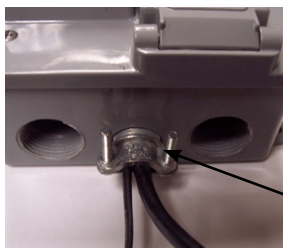
1. Run supplied wire to desired location - to a max. of 9 feet.
2. Install supplied electrical box in desired location.



3. Remove center knock out from electrical box and install strain relief (strain relief nut not required).

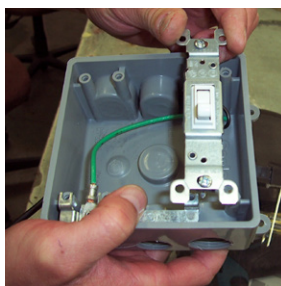


Center knock out



Strain Relief

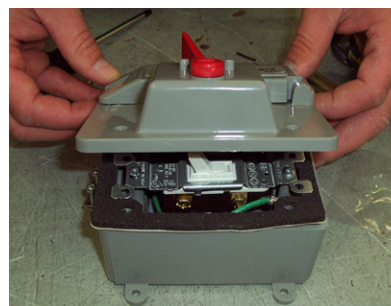
4. Route low voltage wire and battery extension wire through the strain relief.
5. Connect low voltage wire to supplied switch, fasten switch to right side of electrical box (polarity not important).



6. Install supplied 4-AA batteries into the battery holder. Using velcro install battery holder to the backside of the battery compartment door. Connect battery terminal.
7. Using silicone, completely seal strain relief to protect from water or moisture.



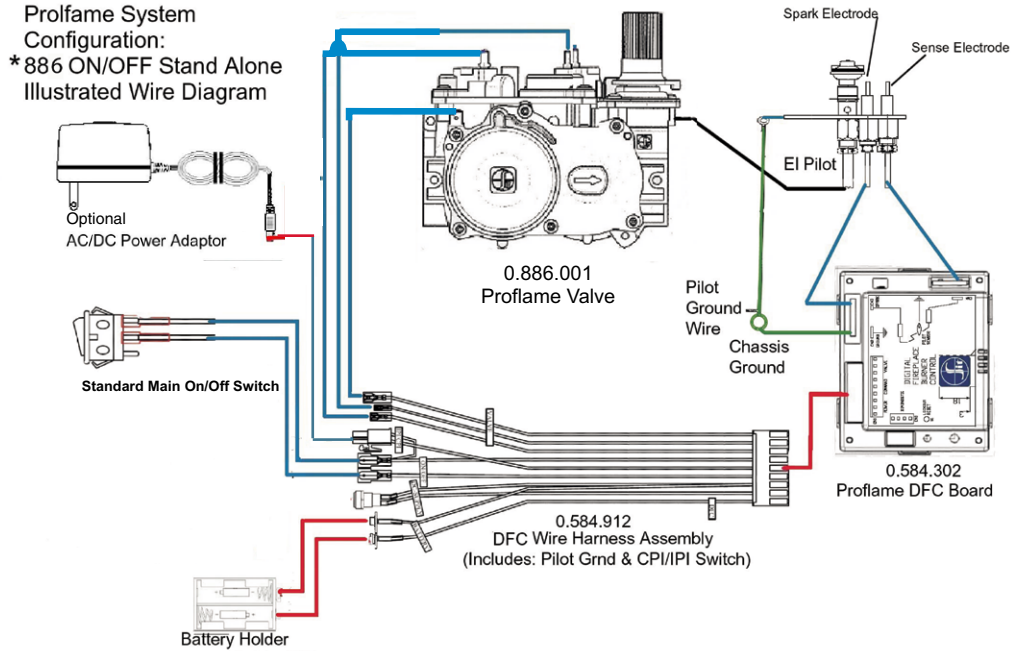
8. Place supplied gasket on top of electrical box.
9. Fasten cover to electrical box using supplied screws.
10. Place switch in OFF position until final installation is complete.



WIRING DIAGRAM

This appliance does not require a 120V A.C. supply for operation.

NOTE: 4 AA batteries must be installed in the battery pack to operate the burner switch. Do not use a 9 volt battery.



OPTIONAL HARDWIRE KIT INSTALLATION

A hard wire kit is available for this unit as an option, to hard wire this appliance, a qualified electrician must remove the cord connection, and wire the appliance directly to the household wiring.

This appliance must be electrically connected and grounded in accordance with local codes, if hard wired.

In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the current ANSI/NFPA 70 NATIONAL ELECTRICAL CODE in the United States.

WARNING!

- **USE ONLY A GROUND FAULT INTERRUPTER (GFI) PROTECTED CIRCUIT WITH THIS OUTDOOR GAS APPLIANCE .**
- **ENSURE THAT ALL POWER SOURCES HAVE BEEN SHUT OFF PRIOR TO BEGINNING ANY ELECTRICAL WORK.**
- **DO NOT USE THIS APPLIANCE IF ANY PART HAS BEEN UNDER WATER.**
- **CALL A QUALIFIED SERVICE TECHNICIAN IMMEDIATELY TO HAVE THE APPLIANCE INSPECTED FOR DAMAGE TO THE ELECTRICAL CIRCUIT.**
- **RISK OF ELECTRICAL SHOCK OR EXPLOSION. DO NOT WIRE 110V TO THE VALVE OR TO THE APPLIANCE WALL SWITCH.**
- **INCORRECT WIRING WILL DAMAGE CONTROLS AND IS NOT COVERED BY THE WARRANTY.**
- **ALL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN AND SHALL BE IN COMPLIANCE WITH LOCAL CODES. IN THE ABSENCE OF LOCAL CODES, USE THE CURRENT CSA22.1 CANADIAN ELECTRIC CODE IN CANADA OR THE CURRENT NATIONAL ELECTRIC CODE ANSI / NFPA NO. 70 IN THE UNITED STATES.**

Important : This electrical box must be located within 10 feet of the burner(s) as the AC adaptor is 10 feet long and will not reach the DC supply wire connection if any farther.

Note: If 2 burners are used, an additional AC adapter will be required to power the second burner. (PTO30/PTO50 only)

The 4 AA batteries do not need to be installed if using the AC adaptor. The batteries would only be required in the event that 120V power is lost.

3. Install 4 screws into existing holes in the interior if using the optional framing kit in locations shown in the diagram below. Keep screws loose--do not tighten.

NOTE: If the optional framing is not used the outer box can be installed into conventional framing. See Step 14.

SHUT OFF GAS AND ELECTRICAL SUPPLY BEFORE STARTING THIS INSTALLATION.

1. Install electrical box into the outer box with 4 screws (Diagram 1).
2. Depending on which side (or conduit size) the electrical outlet will be installed, remove the corresponding knockouts in the outer box and electrical box to allow access for the conduit wiring (supplied by others) (Diagram 1).

ALL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN

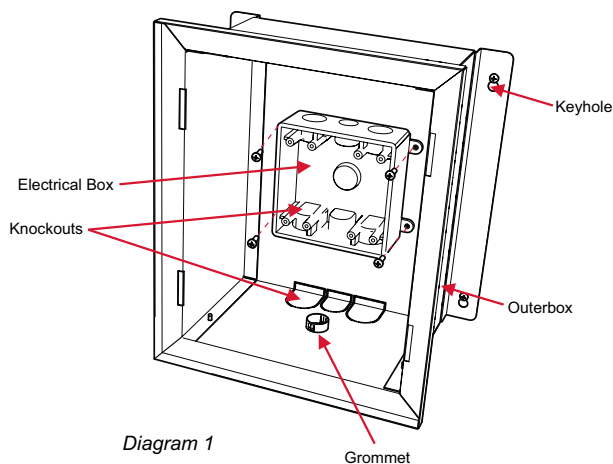
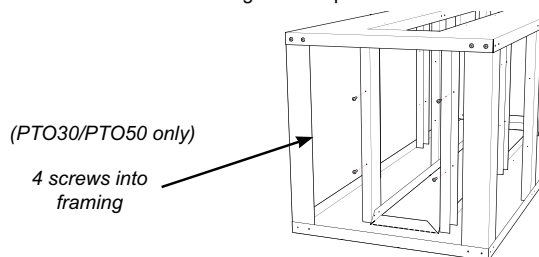


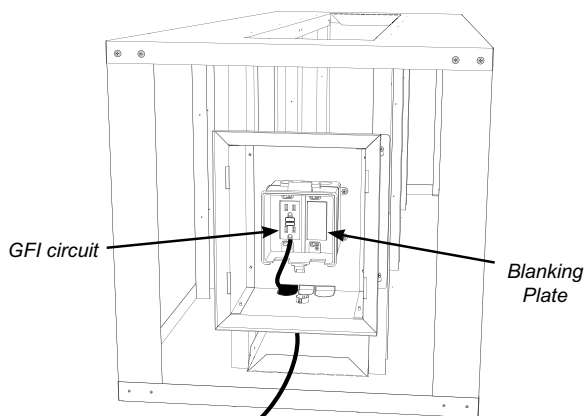
Diagram 1

Install electrical box into the outer box with 4 screws.

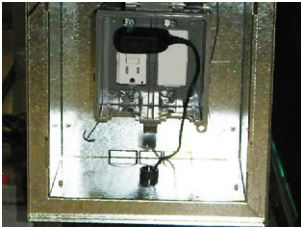


In the diagram below the outer box is installed. To install the outer box, line up the keyholes on the box with corresponding screws (installed in previous step) on the framing kit. When the box is in position, tighten the screws. (PTO30/PTO50 only)

4. Run the conduit to the electrical box through the knockout and complete the wiring of the electrical to the GFI circuit supplied with the kit. Once electrical wiring is complete, Secure both the GFI circuit and white blanking plate to the electrical box using 2 screws each.



5. Plug in the supplied AC adaptor and run the wire through the bottom of the outer box, be sure to use a grommet to protect the wire.

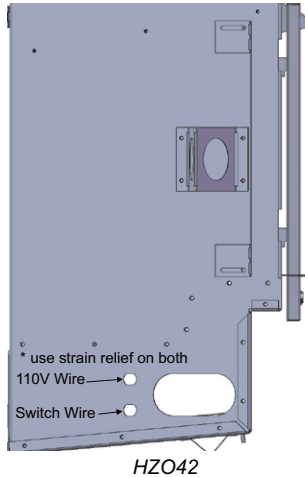


6. Run the AC adaptor wire from the recently installed electrical box, to the back of the unit end.

7. Attach the AC adaptor to the DC supply wire. Secure wire using a strain relief (see enclosed picture) Reinstall the valve cover plate (reverse Step 6).



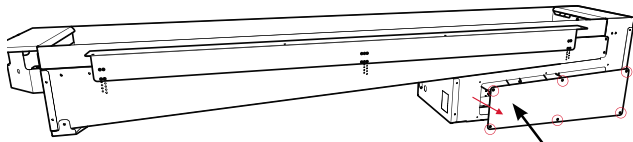
PTO30/PTO50/HZO60



HZO42

8. Remove the valve cover plate on side of unit to expose the DC supply wire by removing 6 screws (PTO30/PTO50/HZO60 only)

NOTE: The valve cover plate should be removed prior to being installed into the framing kit or framing in general for ease of access to these 6 screws. This would also apply when reinstalling the valve cover plate.

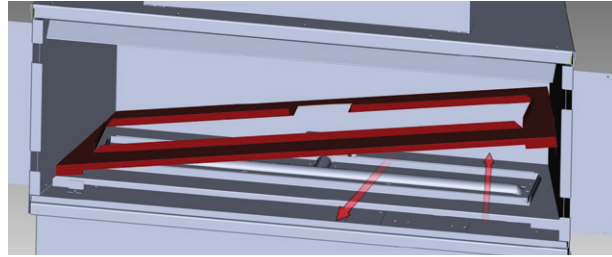


Valve cover plate
(PTO30/PTO50/HZO60 only)

9. HZO42/HZO60 only--Remove the front access panel by lifting up and out.



10. HZO42/HZO60--Remove the burner tray by lifting up and out.

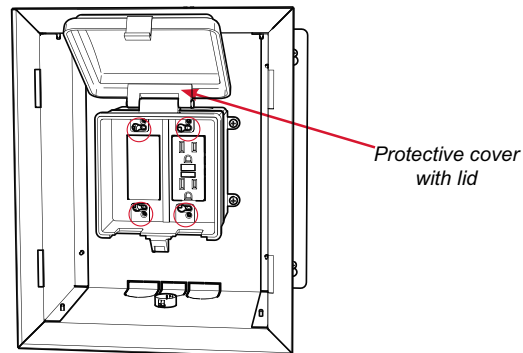


- HZO42 only- remove 6 screws in locations shown below to access DC supply.



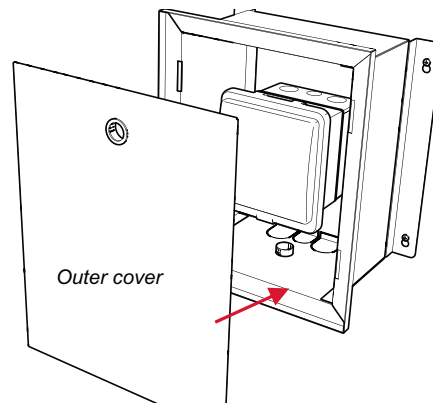
11. Locate the 'DC supply' wire on the wiring harness, the wire will be clearly marked. See 'AC Adaptor Install' in the manual.

12. Secure protective cover with lid to the receptacle box with 4 screws.



Protective cover
with lid

13. Install cover onto outer box.

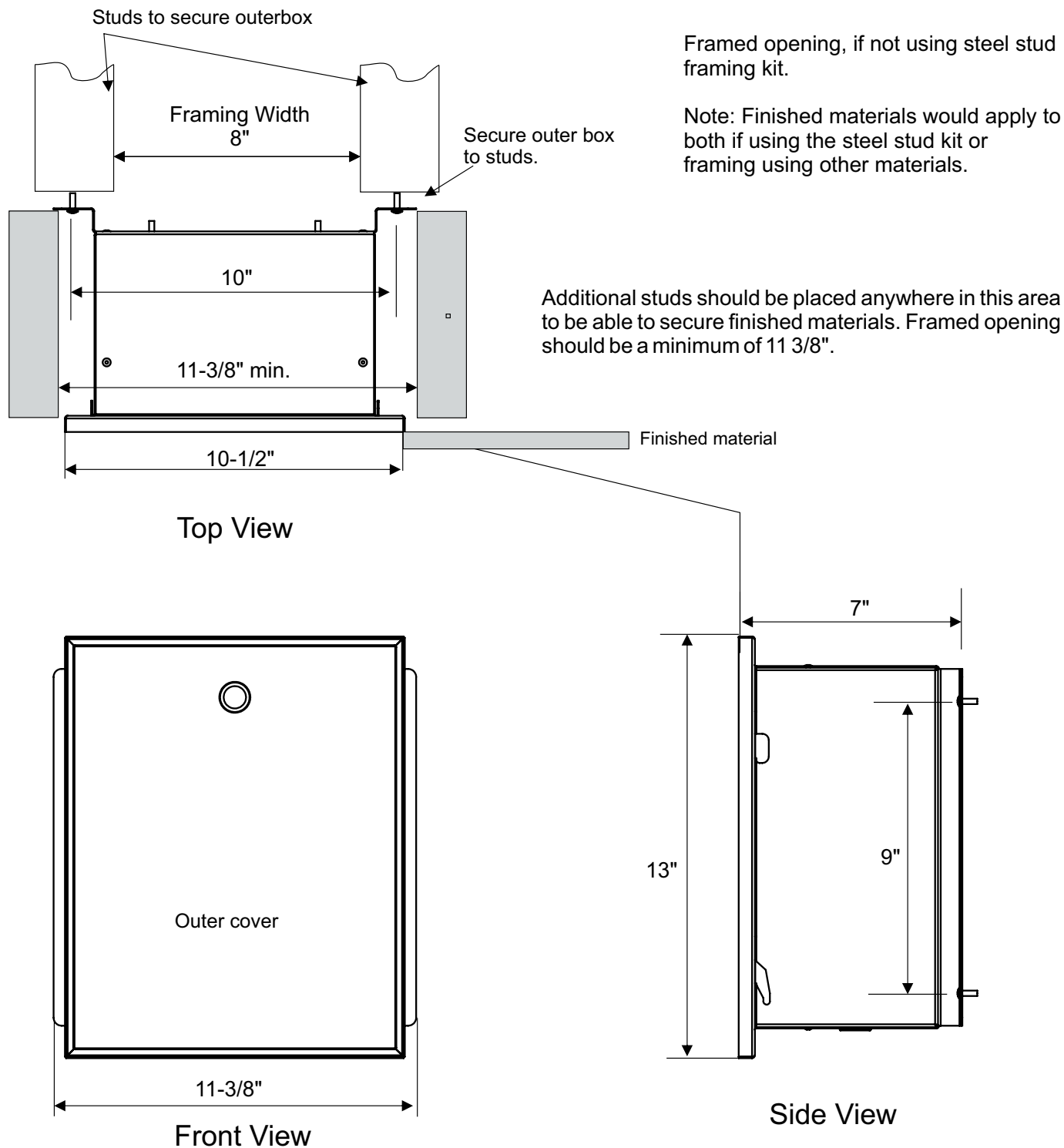


14. Turn on gas and electrical supply and test unit.

15. PTO100 Only:

If a second AC adaptor is required to power a second burner, repeat steps 5-9.

16. Installing the outer box into conventional framing:



The front outer cover may also be covered with finishing materials if desired. Ensure that the outer cover when using finished materials, that it may be removed if access is ever required to the GFI circuit.

AC ADAPTOR INSTALLATION

A hard wire kit is available for this unit as an option (see hard wire kit instructions), to hard wire this appliance, a qualified electrician must remove the cord connection, and wire the appliance directly to the household wiring.

This appliance must be electrically connected and grounded in accordance with local codes, if hard wired.

In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the current ANSI/NFPA 70 NATIONAL ELECTRICAL CODE in the United States.

WARNING!

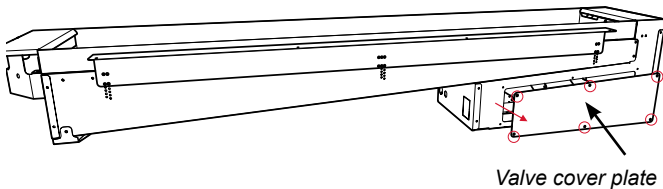
- USE ONLY A GROUND FAULT INTERRUPTER (GFI) PROTECTED CIRCUIT WITH THIS OUTDOOR GAS APPLIANCE .
- ENSURE THAT ALL POWER SOURCES HAVE BEEN SHUT OFF PRIOR TO BEGINNING ANY ELECTRICAL WORK.
- DO NOT USE THIS APPLIANCE IF ANY PART HAS BEEN UNDER WATER.
- CALL A QUALIFIED SERVICE TECHNICIAN IMMEDIATELY TO HAVE THE APPLIANCE INSPECTED FOR DAMAGE TO THE ELECTRICAL CIRCUIT.
- RISK OF ELECTRICAL SHOCK OR EXPLOSION. DO NOT WIRE 110V TO THE VALVE OR TO THE APPLIANCE WALL SWITCH.
- INCORRECT WIRING WILL DAMAGE CONTROLS AND IS NOT COVERED BY THE WARRANTY.
- ALL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN AND SHALL BE IN COMPLIANCE WITH LOCAL CODES. IN THE ABSENCE OF LOCAL CODES, USE THE CURRENT CSA22.1 CANADIAN ELECTRIC CODE IN CANADA OR THE CURRENT NATIONAL ELECTRIC CODE ANSI / NFPA NO. 70 IN THE UNITED STATES.

Important: Electrical box must be located within 10 feet of the burner(s) as the AC adaptor is 10 feet long and will not reach the DC supply wire connection if any farther.

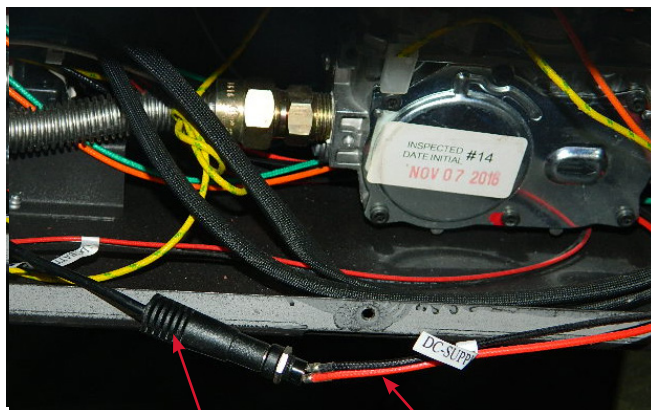
The 4 AA batteries do not need to be installed if using the AC adaptor. The batteries would only be required in the event that 120V power is lost.

1. Remove the valve cover plate on side of unit to expose the DC supply wire by removing 6 screws

NOTE: The valve cover plate should be removed prior to being installed into the framing kit or framing in general for ease of access to these 6 screws. This would also apply when reinstalling the valve cover plate.



2. Locate the 'DC supply' wire on the wiring harness, the wire will be clearly marked.



AC adaptor

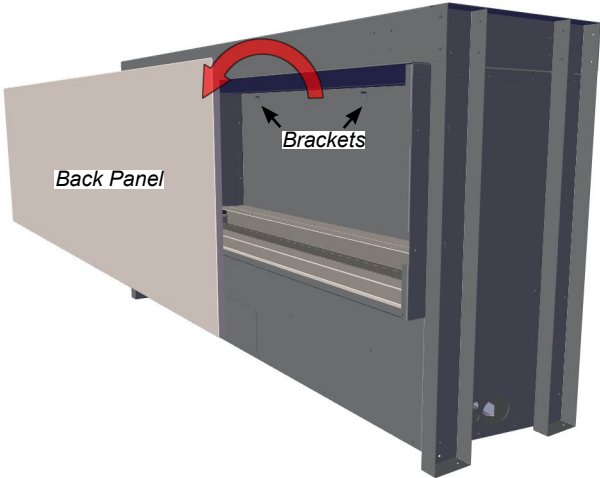
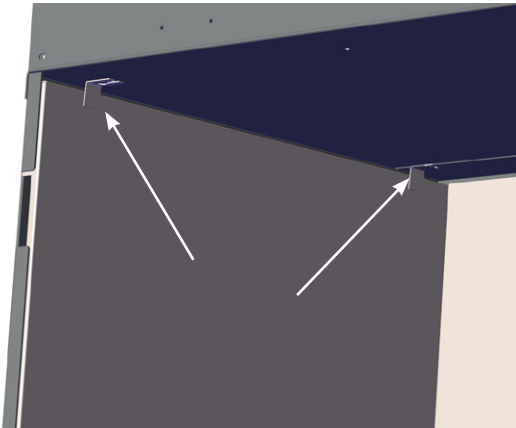
DC supply wire from wiring harness

3. Run the AC adaptor wire from the recently installed electrical box, to the back of the unit end, connect the AC Adaptor with the DC supply wire in the previous step.
4. Attach the AC adaptor to the DC supply wire. Secure wire using a strain relief (see enclosed picture) Reinstall the valve cover plate (reverse Step 2).
5. Plug the AC adaptor into a grounded fault interrupter (GFI) protected circuit.
6. Turn on gas and electrical supply and test unit.

INNER PANEL REMOVAL/ INSTALLATION

Before installation, panels must be handled and cleaned as per instructions noted below:
Stainless Steel Panels
• Stainless 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.
• To protect the finish during installation and handling - cotton gloves MUST be worn at all times while handling the panels (even when removing protective coating).
• Use a hair dryer or similar device to remove the protective coating from the panels.
• Stainless 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 and a stainless steel cleaner. Most stainless steel cleaners leave a film/ residue on the surface of the panels. Use an ammonia based cleaner (ie. glass cleaner) to remove this film 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.

1. If already installed, remove glass windshields and faceplate (see sections in this manual for specific instructions).
2. Remove 2 screws to remove both clips securing side panel.
5. Single sided unit only--Lift back panel up off brackets on back wall and manoeuvre back panel out of firebox.



3. Pop side panel out toward the burner and manoeuvre out of firebox.
4. Repeat on other side to remove opposite panel.
6. Reverse steps to reinstall panels into unit.



GLASS CRYSTAL / BASALT VOLCANIC STONES INSTALLATION

Evenly spread the Glass Crystals/Firebeads and optional Basalt Volcanic Stones over the burner. Ensure the crystals/beads (or stones) do not overlap too much as this will effect the flame pattern.

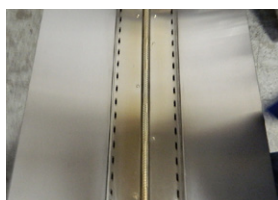
IMPORTANT NOTE:

Only the supplied approved Glass Crystals/Firebeads and Basalt Volcanic stones are to be used with these fireplaces. Use of any other type of glass crystals, beads, 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.

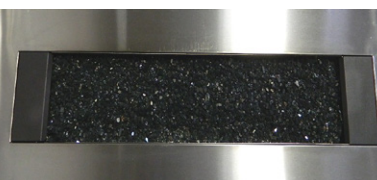
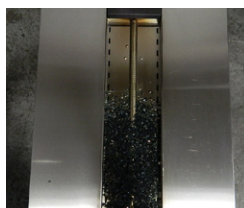
When using Basalt Volcanic Stones DO NOT cover pilot light that lead to pilot flame.

BURNER PACKAGES		
Unit	Glass Crystals/Firebeads	*Glass Crystals/Firebeads + Volcanic stones ¹
HZO60	15lbs	10lbs glass/beads + 2 boxes stones- recommended

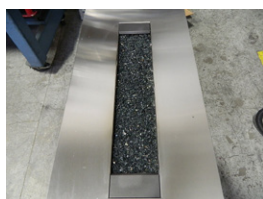
NOTE: * Glass Crystals/Firebeads are available in 5lb bags.
¹ Glass Crystals/Firebeads to be installed on the burner prior to installing stones.
 Basalt Volcanic Stones are measured by weight not quantity. Each bag contains 15 lbs of stones, however the exact quantity and size vary. Sizes vary between 2" - 3"



1. Start pouring Crystals/Firebeads on one end of the burner.



2. Work Crystals/Firebeads to other end of the Burner. Base and burner tube should not be visible when crystals are spread out.



3. Work Crystals/Firebeads downwards to front edge of top edge of burner.



4. Basalt Volcanic Stones shown spread evenly over the burner and crystal base.



5. Ensure Crystals/Firebeads do not block the front of the pilot hood and flame to light the burner.

NOTE: Correct final glass installation of Crystals/Firebeads as shown in step 2 and 3. The Burner should not be visible when the flame is out.

NOTE: Basalt Volcanic Stones are NOT to be placed anywhere on the Pilot assembly area. Glass Crystals/Firebeads to be installed on the burner prior to installing stones.

OPTIONAL LOG SET INSTALLATION

Read the instructions below carefully and refer to the images. If any of the Logs/Twigs are broken, do not use the unit until they are replaced. Broken Logs/Twigs can interfere with pilot operation.

Improper positioning of the Logs/Twigs may create carbon build-up and can alter the unit's performance which is not covered under warranty.

The PTO50 uses 2 Log/Twig Sets (#326-930), both contain the following pieces:

Description

Log/Twig A
Log/Twig B
Log/Twig C
Log/Twig D
Log/Twig E
Log/Twig F

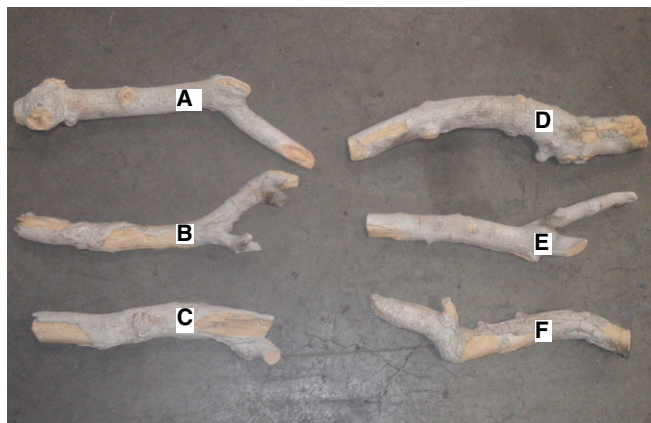


Diagram 1

Two identical log sets are installed on the right and left sides of the burner and mirror one another. After installing each Log on one side of the burner—install the duplicate Log from the second set to mirror its mate.

1. Install Log/Twig A on the right side of the burner, orient the Log/Twig in the same way and in a similar location on the right side of the burner as shown in Diagram 2.



Diagram 2

2. Install Log/Twig A on the left side of the burner, orient the Log/Twig on the left side of the burner to mirror Log A on the right—as shown in Diagram 3.



Diagram 3

3. Install Log/Twig D on the left side of the burner, orient Log/Twig D across Log/Twig A in the same way and in a similar position as shown in Diagram 4.

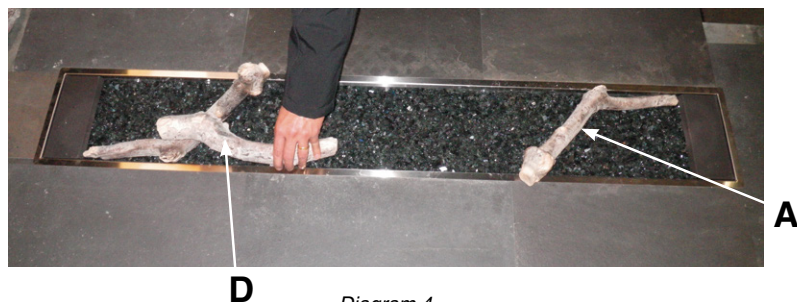


Diagram 4

4. Install Log/Twig D on the right side of the burner, orient Log/Twig D to mirror Log D installed on the left as shown in Diagram 5.



Diagram 5

5. Install Log/Twig E on the left side of the burner, orient Log/Twig E across Log/Twig D in the same way and in a similar position as shown in Diagram 6.



Diagram 6

6. Install the opposite Log/Twig E orient Log/Twig E across Log/Twig D in the same way and similar position as shown in Diagram 7. (Mirrors Log E from previous step).



Diagram 7

7. Install Log/Twig B on the left side, orient Log/Twig B in the same way and in a similar position as shown in Diagram 8.



Diagram 8

8. Install the opposite Log/Twig B on the right side of the burner , orient Log/Twig B in the same way and in a similar position as shown in Diagram 9 (mirror Log B as installed on the left side).



Diagram 9

9. Install Log/Twig C on the left side of the burner, orient Log/Twig C in the same way and in a similar position as shown in Diagram 10

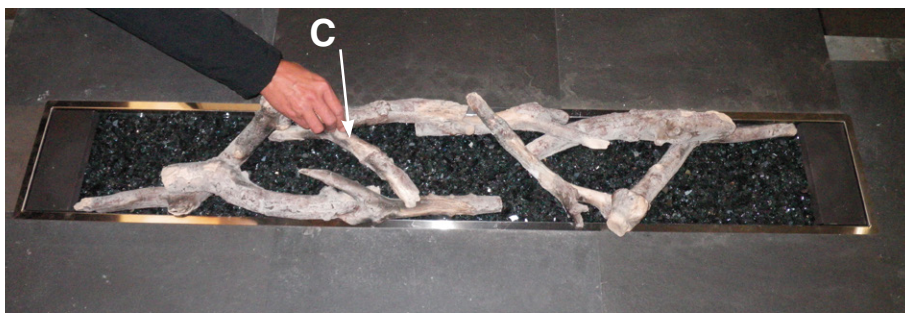


Diagram 10

10. Install the opposite Log/Twig C on the right side of the burner, orient Log/Twig C in the same way and in a similar position as shown in Diagram 11 (mirror Log C as installed on the left side).

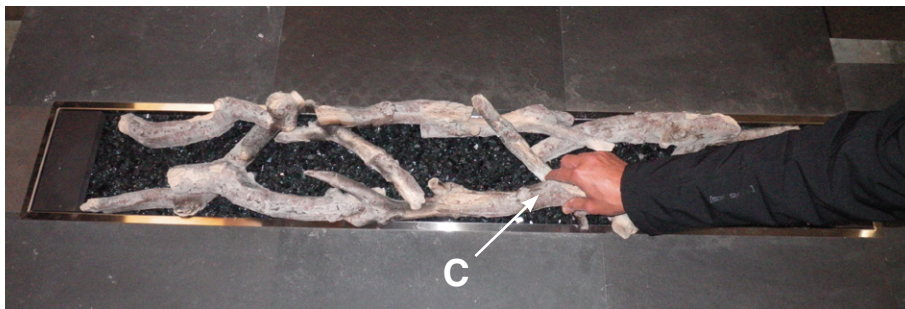


Diagram 11

11. Install Log/Twig F on the left side of the burner, orient Log/Twig F in the same way and in a similar position as shown in Diagram 12.



Diagram 12

12. Install the opposite Log/Twig F on the right side of the burner, orient Log/Twig F in the same way and in a similar position as shown in Diagram 13 (mirror Log F as installed on the left side).



Diagram 13

13. Completed install shown below.

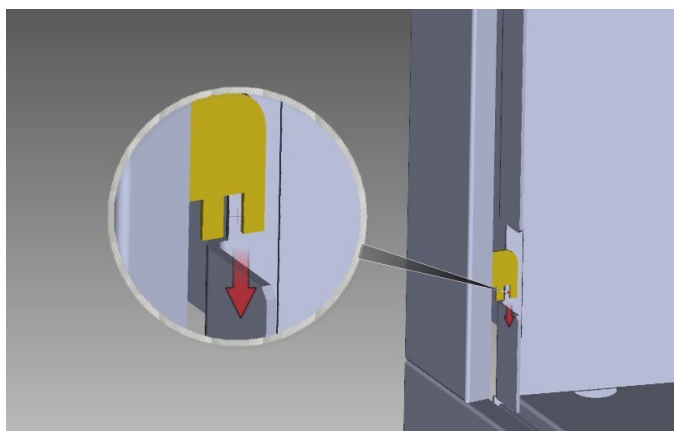
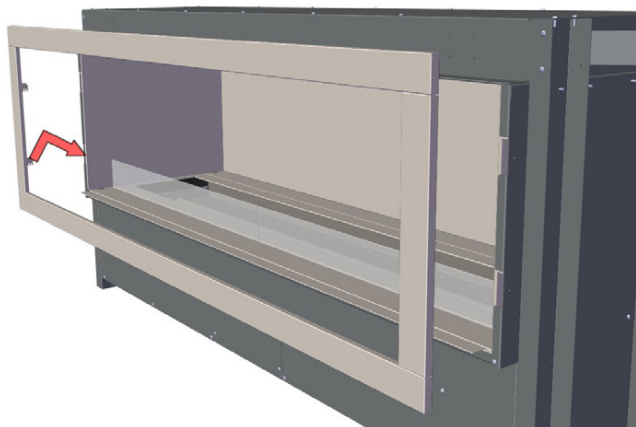


Diagram 14

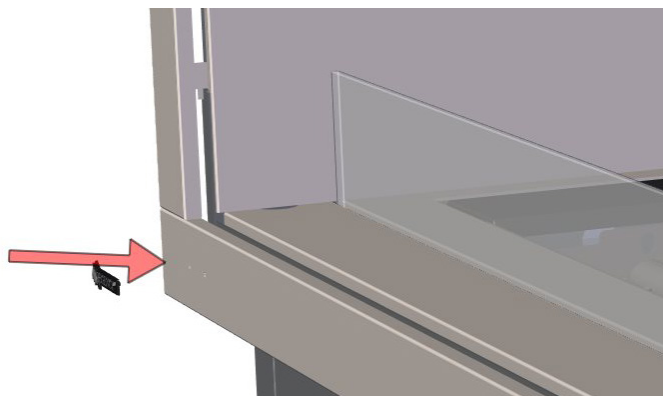
FACEPLATE INSTALLATION

Remove the protective coating from the faceplate before installation - see handling instructions in panel install section.

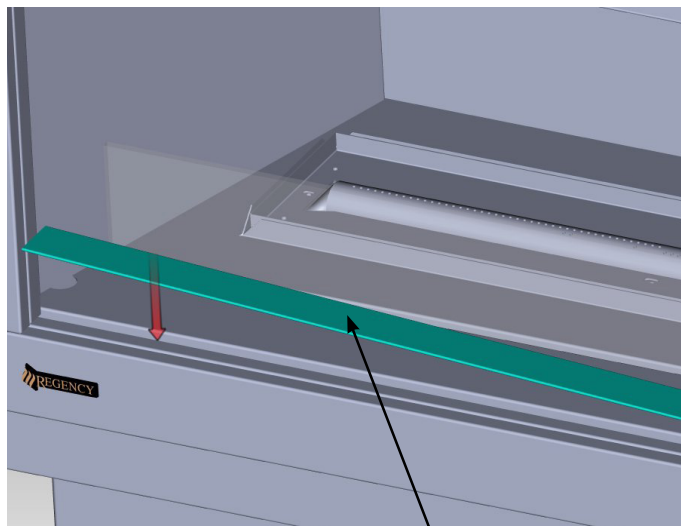
- 1) To install the faceplate - line up the tabs on the faceplate with the 'C' shaped openings on the left and right sides of the unit. There are 3 slots on each tab so the faceplate to accommodate different finishing materials.



- 2) Install logo onto faceplate.

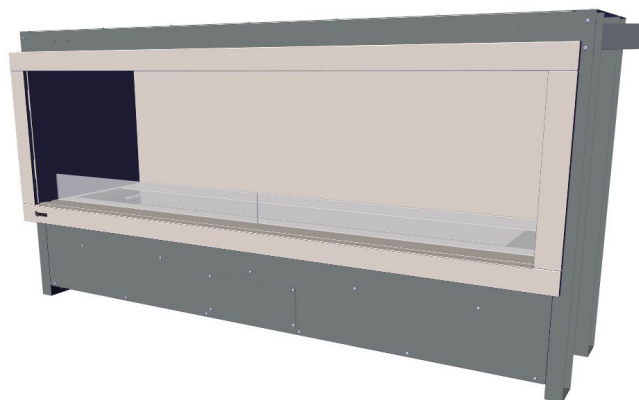


- 3) For installations where thicker finishing material is used - the optional trim piece may be installed to fill the gap. Install the trim between the bottom access panel and the faceplate as shown below.



Trim Piece

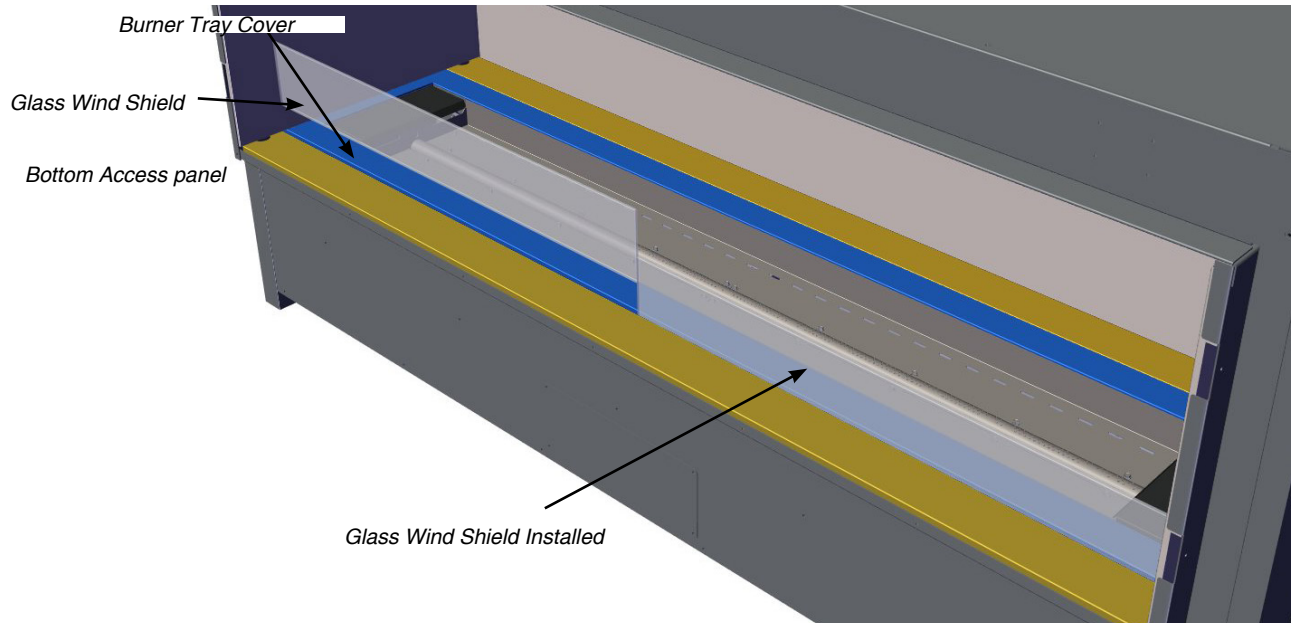
- 4) To remove - reverse steps.



Final Install

GLASS WIND SHIELD INSTALLATION

1. To install the glass wind shields - slot the glass pieces (x2) into the space between the burner tray cover and the bottom access panel.
NOTE: If setting unit up as a see-through repeat procedure on opposite side of burner.



OPERATING INSTRUCTIONS

1. Read and understand these instructions before operating this appliance.
2. Check to see that all wiring is correct and enclosed to prevent possible shock.
3. Check to ensure there are no gas leaks.
4. Ensure that the stainless panels are installed.
5. Verify log placement. If the pilot cannot be seen when lighting the unit, the logs have been incorrectly positioned.
6. The unit should never be turned off, and on again without a minimum of a 60 second wait.

LIGHTING PROCEDURE

1. Turn on ON/OFF switch.
2. After approximately 4 seconds the spark ignition system will spark for 60 seconds to light the main burner.
3. The unit will turn on.

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.

The system will need to be reset as follows:

- a) Turn the system off using ON/OFF switch.
- b) After approximately 2 seconds turn on ON/OFF switch.
- c) Unit will repeat step 2.

SHUTDOWN PROCEDURE

1. Turn ON/OFF switch.
2. If service is to be performed - you must disconnect both sources of power to the unit, the main power and battery.

FIRST FIRE

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

When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing.

The glass panel may require cleaning after the unit has cooled down.

DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.

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

AERATION ADJUSTMENT

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

Minimum Air Shutter Opening:

Fully Closed 1/4"	NG LP
------------------------------------	------------------------

See LP conversion instructions (Steps 1-3 & 8) in this manual for aeration adjustment instructions.

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

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

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

COPY OF LIGHTING PLATE INSTRUCTIONS

The lighting plate is located on the underside of the table top on the unit.

FOR YOUR SAFETY READ BEFORE LIGHTING

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

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 à la lettre les instructions dans la présente notice risque de déclencher un incendie ou une explosion entraînant des dommages, des blessures ou la mort.

Une installation, d'ajustement, de modification, de service ou d'entretien peut provoquer des blessures ou des dommages matériels. Reportez-vous au manuel du propriétaire de l'information fournie avec cet appareil. Pour obtenir de l'aide ou des informations supplémentaires consulter un installateur qualifié, une agence de service ou 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.
- 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.

A) Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne pas tenter d'allumer la veilleuse manuellement.

B) **AVANT DE FAIRE FONCTIONNER L'APPAREIL**, renifler autour de l'appareil pour détecter une odeur de gaz. Renifler près 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 d'appareil
- Ne touchez à aucun interrupteur; n'utilisez pas de téléphones se trouvant dans le bâtiment.
- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez pas rejoindre le fournisseur de gaz, appelez le service incendies.

CAUTION:

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

LIGHTING INSTRUCTIONS

STOP! Read the safety information on this label.

- 1) Turn on ON/OFF switch
- 2) After approximately 4 seconds the spark ignition system will spark for 60 seconds to light the main burner.
- 3) 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 using ON/OFF switch.
- b) After approximately 2 seconds turn on ON/OFF switch.
- c) Unit will repeat step 2.

1) Appuyer sur l'interrupteur ON / OFF

2) Attendre 4 secondes. Le système d'allumage produira des étincelles pendant 60 secondes afin d'amorcer le brûleur principal.

3) Les flammes s'allumeront.

Remarque : Au premier allumage, le système tente d'allumer les flammes pendant 60 secondes. Si l'essai est infructueux, le système fait une pause d'environ 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 réglant l'interrupteur sur «OFF»;
- b) Attendre 2 secondes et rallumer le système à l'aide de l'interrupteur.
- c) L'unité répètera l'étape 2.

TO TURN OFF GAS APPLIANCE

- 1) Turn off ON/OFF switch
- 2) If service is to be performed - you must disconnect power to the unit, from the battery pack, refer to manual

- 1) Appuyer sur le bouton ON / OFF
- 2) Pour l'entretien de l'appareil, vous devez débrancher l'appareil, du bloc-piles, voir le manuel d'instruction pour plus de détails.

DO NOT REMOVE THIS INSTRUCTION PLATE

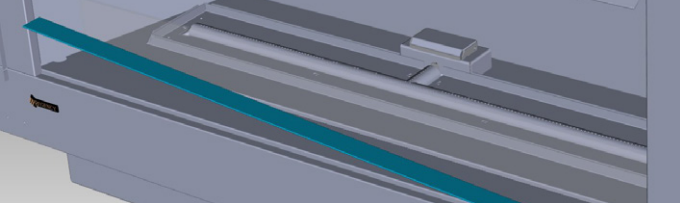
918-892a

MAINTENANCE INSTRUCTIONS

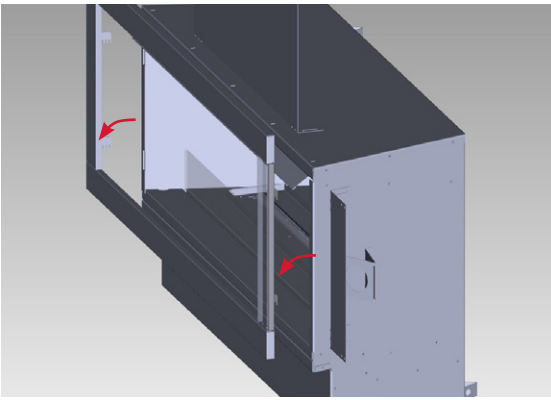
1. Always turn off the gas valve and unplug the batteries before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year. When cleaning the logs, use a soft clean paint brush as the logs are fragile and easily damaged.
2. Clean appliance 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.
3. Hand and finger marks should be cleaned off with a soft cloth and a stainless steel cleaner. Most stainless steel cleaners leave a film/residue on the surface of the panels. Use an ammonia based cleaner (ie. glass cleaner) to remove this film before applying heat to the unit. Failure to do this will result in burn stains on panels which you will be unable to remove.
4. The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint. Regency® uses StoveBright Paint - Metallic Black #6309.
5. Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call a qualified service person.
6. The appliance 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.
7. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water. This is not covered under the terms of the warranty policy.
8. Verify operation after servicing.

VALVE ASSEMBLY REPLACEMENT

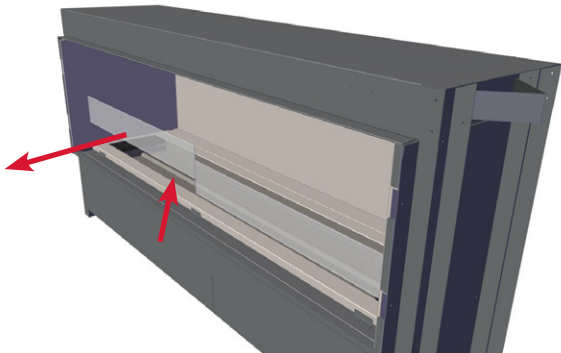
1. Turn the unit off and allow it to cool down to room temperature.
2. **Turn off the gas supply** to the unit.
3. Remove trim.



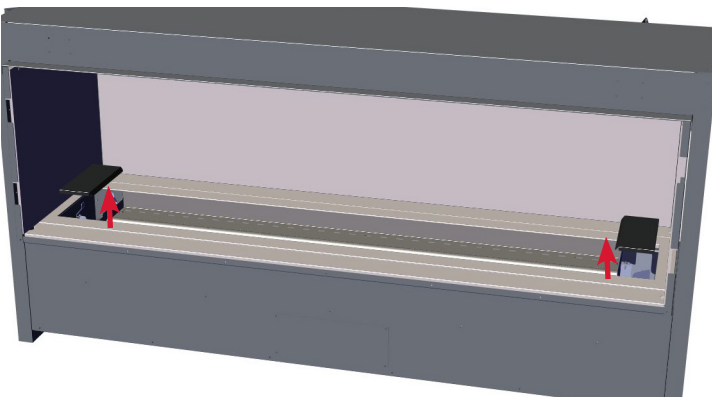
4. Remove the faceplate by lifting it up and off the unit.



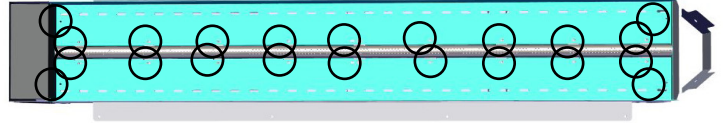
5. Remove the glass wind shields (x2) by lifting them up and out- place both on a soft surface.



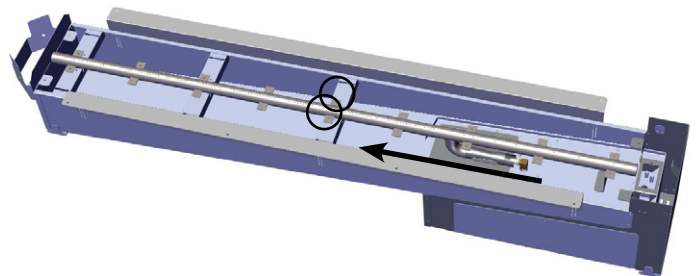
6. Remove the two (2) burner end caps by lifting out as shown.



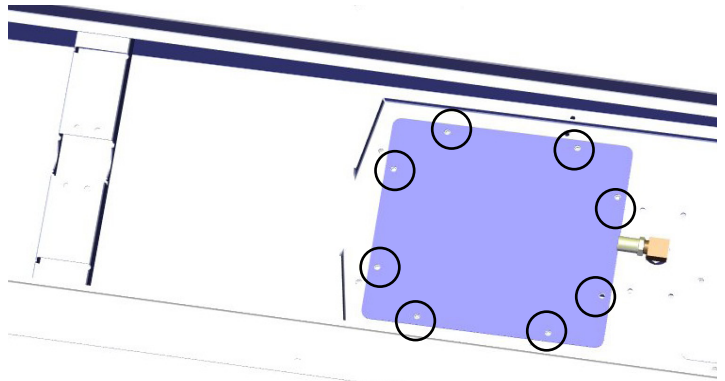
7. Remove the pilot shield.
8. Remove any media (glass, etc) and log set, if installed.
9. Locate and remove 22 screws to remove the burner tray.



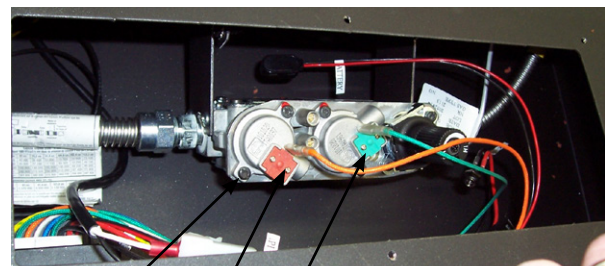
10. Lift burner tray off.
11. Remove 2 screws and slide burner tube to the left (away from the orifice) to remove.



12. Remove 8 screws on valve access cover.



13. Ensure gas supply is OFF and remove flex connection at valve.
14. Remove orange EV1 wire and ground wire connected to the gas valve.
15. Remove green EV2 wire connected to the gas valve.

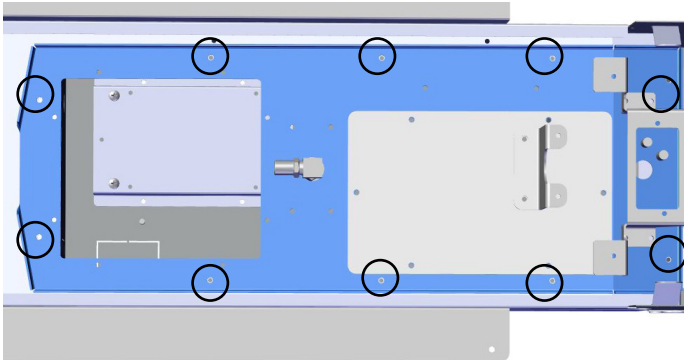


Ground wire
location (Ground
wire not shown)

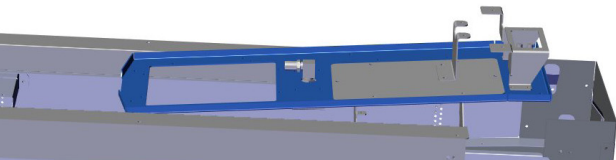
EV1

EV2

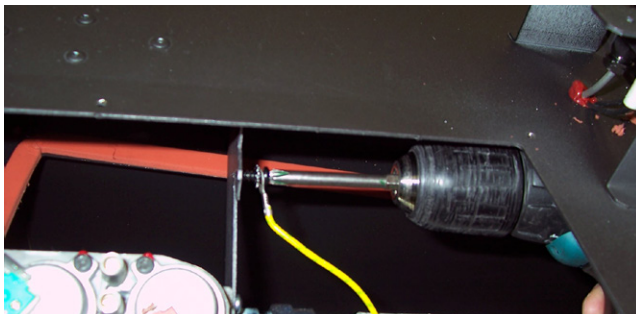
16. Remove 10 screws securing valve assembly.



17. Lift valve assembly up and out.



18. Remove both yellow/green ground wires from valve and valve bracket.



19. Replace valve assembly gasket if necessary.

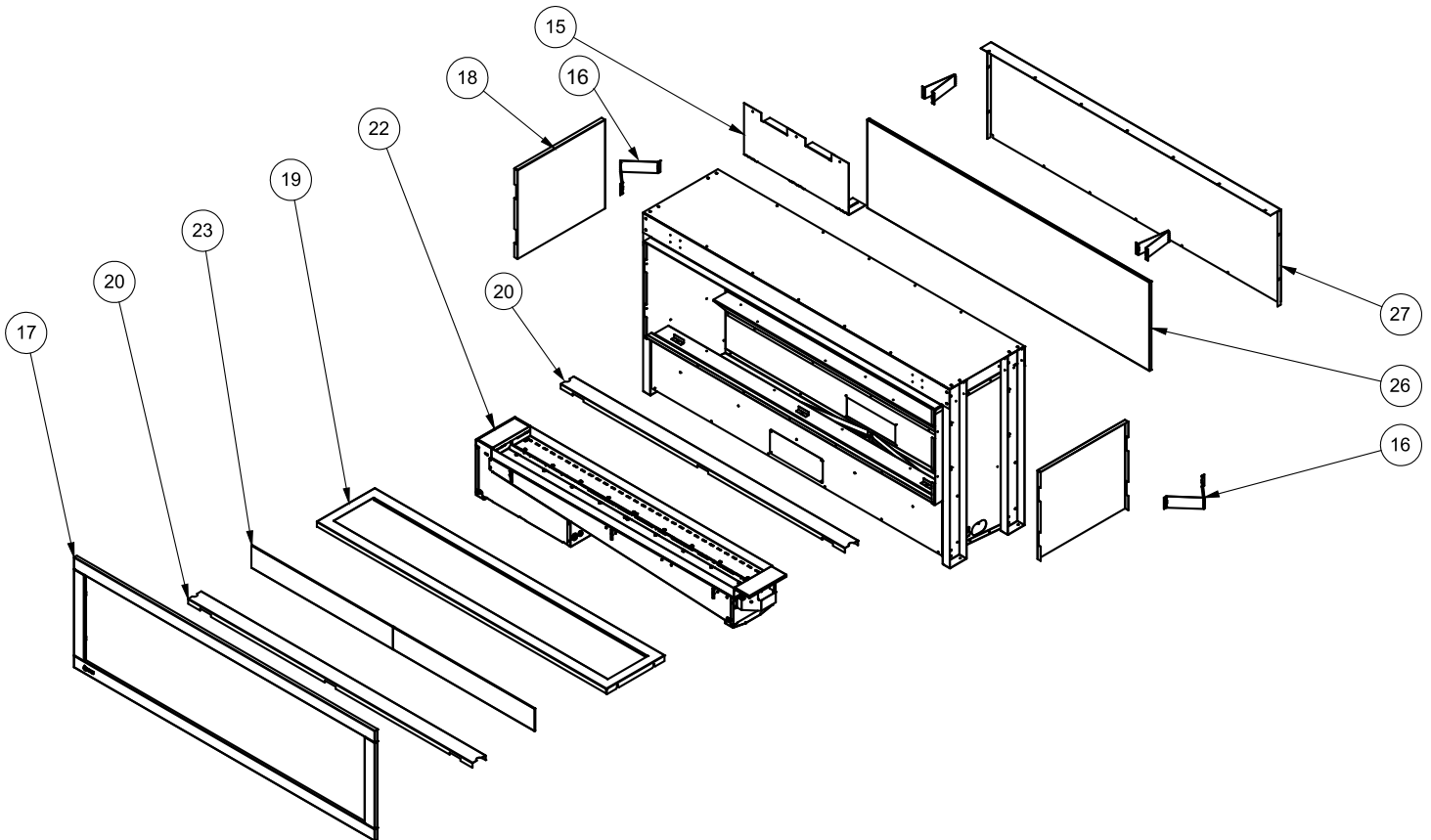
20. Rotate HI/LO modulating valve all the way to the left for HI position.

21. Install new valve assembly and reverse steps 11-1.

22. Test gas connections for leaks.

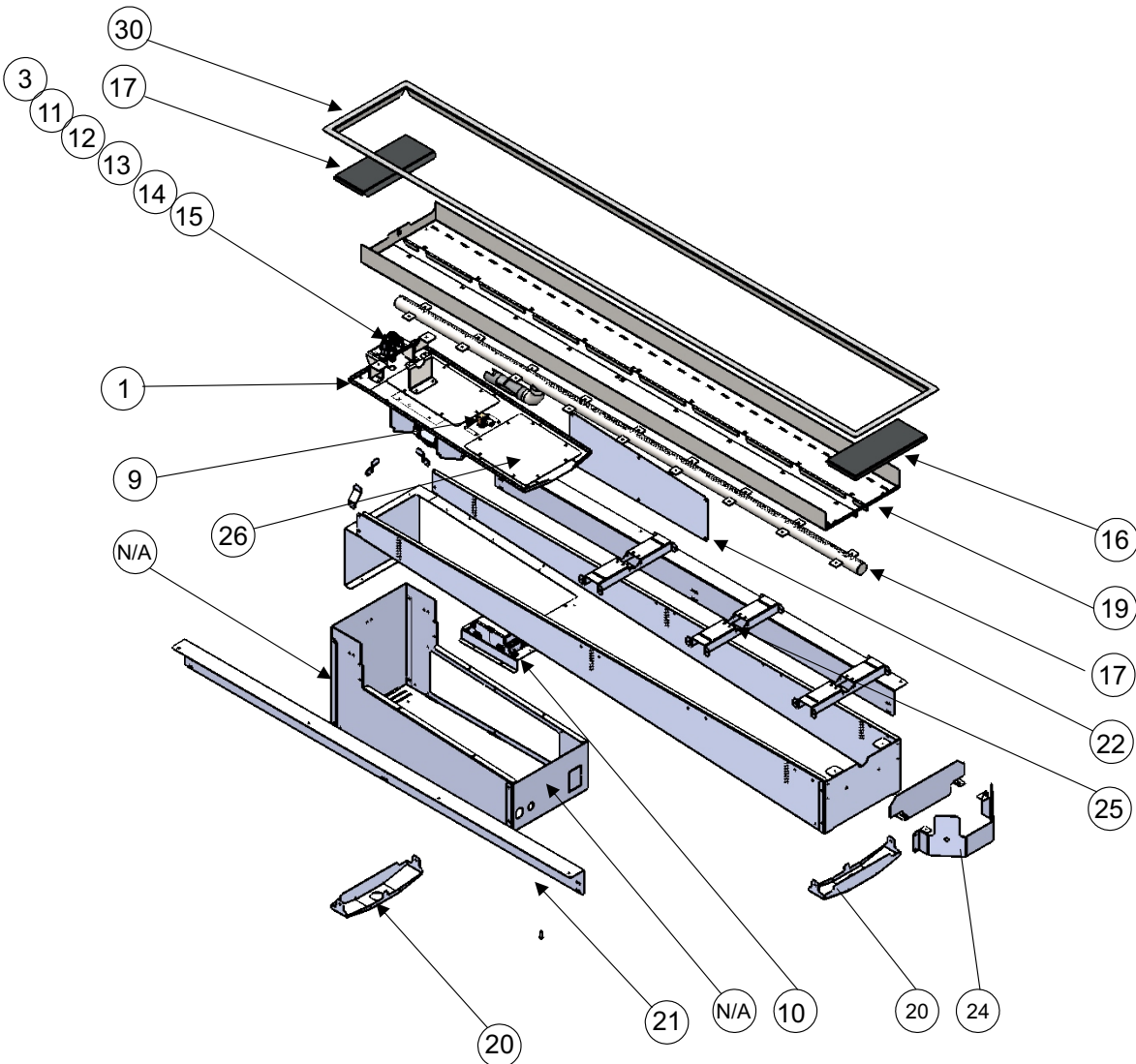
MAIN ASSEMBLY

Part #	Description
15	646-127 Top Nailing Bracket
16	646-126 Side Standoff
17	646-910 Faceplate
18	646-117/F Stainless Side Panel
19	646-116/F Burner tray cover
20	646-115 Stainless cover plate
21	326-034 Panel Clip
22*	*See next page
23	940-488/P Front Glass
26	646-114 Stainless Back Panel
27	646-113 Rear Panel
*	646-125 Rear Panel Bracket
*	646-108 Glass Clip
*	Part Not Shown



1	646-574/P	Valve Assembly - NG
1	646-576/P	Valve Assembly - LP
2	911-004	Valve Only NG 886 SIT IPI 0.886.002
2	911-005	Valve Only LP 886 SIT IPI 0.886.003
3	911-006	Pilot Assembly IPI NG 2 Flame 0.199.050
3	911-007	Pilot Assembly IPI LP 2 Flame
9	905-012	Burner Orifice #11 NG
9	904-430	Burner Orifice #42 LP
10	911-012	Ignition Control Board (DFC) SIT IPI 0.584.302
11	911-037	Flame Sensor 0.915.905
12	911-038	Flame Electrode 0.915.020
13	910-432	Novasit Pilot Tubing With Nuts
14	911-039	Two Way Pilot Hood
15	911-137	Pilot Hood Clip
16	377-034	Pilot Shield (Each)
17	646-525	Burner Tube Assembly - NG/LP
19	646-030	Stainless Steel Burner Tray
20	377-054	Drainage Bracket
21	646-032	Nailing Strips (Each)
22	377-047	Valve Side Cover Plate
23	377-048	Pilot Shield Support Bracket
24	377-030	Offset Bracket
25	377-024	Burner Tube Support (Each)
26	377-052	Component Top Cover Plate
30	646-936	Inner Trim Stainless Steel PTO50

	N/S = Not shown	
N/S	911-008	Regulator - NG For 886 SIT .907.016
N/S	911-009	Regulator - LP For 886 SIT 907.014
N/S	910-100	Orifice SIT Pilot - NG #62 977.166
N/S	910-101	Orifice SIT Pilot - LP #35 977.168
N/S	911-013	Valve Wiring Harness With IPI/CPI Switch 0.584.912
N/S	911-019	On/Off Switch Wire
N/S	911-086	Wire 9 Volt Battery Extension
N/S	904-529	Allen Key 5/32 Long
N/S	260350	Valve Gasket Silicone Sponge (Sold Per Foot/8 Feet Required)
N/S	908-529	Label Natural Gas
N/S	908-528	Label Propane Red
N/S	904-687	Connector Clamp 3/8 CI-804
N/S	911-018	Holder Battery W/9V Snap 4 Cell Stack AA
N/S	932-012	Tubing SS Flexible 3/8 x 12 inch
N/S	904-629	Fitting Elbow 90 Degree Forged (Valve Outlet End)
N/S	904-600	Fitting Elbow 90 Degree (Burner Orifice End)
N/S	904-899	Fitting Straight Adaptor 1/8 Pipe MxF1.515in. (Burner Orifice End)
N/S	904-658	Inlet Flex Line Gas SS Steel 24 inch
N/S	911-087	Double Gang Front Cover
N/S	911-088	Double Gang Box Grey
N/S	910-363	Wall Switch White
N/S	910-179	Plastic Snap Bushing 3/4" (Hardwire Kit)
N/S	911-231	Electric Duct Plastic Cover (Hardwire Kit)
N/S	911-232	GFCI Outlet 15 Amp 125 Volt Duplex (Hardwire Kit)
N/S	911-233	Blank Adaptor Plate White (Hardwire Kit)
N/S	911-088	Box Switch Rectangular Two Gang (Hardwire Kit)
N/S	911-090/P	Power Adaptor AC/DC 7V 0.584.851 (Hardwire Kit)
N/S	910-178	Grommet Strain Relief (Hardwire Kit)



Limited Warranty

FPI Fireplace Products International Ltd. (for Canadian customers) and Fireplace Products U.S., Inc. (for U.S. customers) (collectively referred to herein as “FPI”) extends this Limited Warranty to the original purchaser of this appliance provided the product remains in the original place of installation. The items covered by this limited warranty and the period of such coverage is set forth in the table below.

Some conditions apply (see below).

The policy is not transferable, amendable or negotiable under any circumstances.

Outdoor Gas Products	Component Coverage		Labor Coverage
	2 years	1 year	1 year
Burner tube assembly Valve assembly Pilot assembly Flame sensor/Spark electrode	✓		✓
Ignition Control Boards	✓		✓
Wiring/Switches/Battery Pack/Batteries	✓		✓
Pilot Tube/Burner and Pilot Orifices	✓		✓
All hardware including wheels and rubber feet	✓		✓
Weather covers	✓		✓
Thermocouple		✓	✓
Electrical components		✓	✓
Tempered Glass		✓	✓
All media		✓	✓
Stainless components/ Paint/Gaskets/ All finishes/Plated Corners			

Conditions:

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

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 own discretion fully discharge all of its obligations under the 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 complaints on location in the field claimed to be defective prior to processing or authorizing of 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 units are limited to one per warranty term.

Unit 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 to ensure the unit is operating as designed at the time of installation.

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

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

Exclusions:

This Limited 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 or glass gasketing, or any other additional factory fitted gasketing.

Malfunction, damage or performance based issues as a result of environmental conditions, location, chemical damages, downdrafts, installation error, 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 malfunction of the appliance are not covered under the terms of this Limited Warranty.

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

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

Any unit showing signs of neglect or misuse will not be covered under the terms of this warranty policy and may void this warranty. This includes units with rusted or corroded fireboxes which have not been reported as rusted or corroded within three (3) months of installation/purchase.

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

Units 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 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 U.S. 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 U.S. should consult their local, provincial or national legal codes for additional terms which may be applicable 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 U.S., 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)

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.



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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: 604-946-4349

For purchases made in the **UNITED STATES:**

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

Phone: 604-946-5155
Fax: 604-946-4349

For purchases made in **AUSTRALIA:**

**Fireplace Products Australia Pty
Ltd**
1- 3 Conquest Way
Hallam, VIC
Australia, 3803

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.

Installer: Please complete the following information

Dealer Name & Address: _____

Installer: _____

Phone #: _____

Date Installed: _____

Serial No.: _____