

# Energy™ U31 Gas Insert

# Owners & Installation Manual



U31 Video

www.regency-fire.com

MODELS: U31-NG10 Natural Gas U31-LP10 Propane

#### **A** 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.



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 Insert by FPI.

The FPI Gas Insert Series of hand crafted appliances has been designed to provide you with all the warmth and charm of a fireplace, at the flick of a switch. The models U31-NG10 and U31-LP10 of this series have 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 FPI Fireplace.





HOT GLASS WILL CAUSE BURNS

DO NOT TOUCH GLASS UNTIL COOLED

NEVER ALLOW CHILDREN TO TOUCH GLASS

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.

## **CAUTION:**

HOT WHILE IN OPERATION. DO NOT TOUCH. SEVERE BURNS MAY RESULT. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE, AND ANY LIQUIDS WITH FLAMMABLE VAPOURS AWAY.

KEEP BURNER AND CONTROL COMPARTMENT CLEAN.
SEE INSTALLATION AND OPERATING INSTRUCTIONS ACCOMPANYING APPLIANCE.

919-358



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 Training (WETT).



U31 Video

## **CONTENTS**

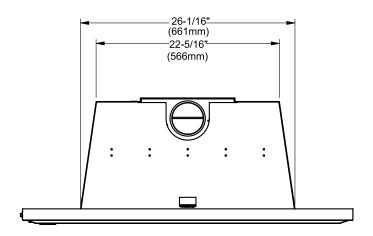
Dimensions	
Dimensions with Standard Faceplate	4
Dimensions with Low Profile Faceplate	5
Installation	
Safety label for the U31-10	
Ma code - co detector	7
For your safety	8
Specifications	
Policy for solid fuel burning and factory built fireplaces	9
Before you start	
Installation checklist	
Materials required	10
Minimum fireplace Dimensions	
Clearances to combustibles	
Combustible mantel clearances in masonry installation	12
Conversion from natural gas to propane	13
Gas connection	
High elevation	
Draft hood connection	
Venting	
Gas pressure test	
Gas insert aeration system	
Test for flue spillage	
Optional brick panel	15
Log set installation	
Wiring diagram	
Standard faceplate & hearth trim install	20
Flush louver installation	
Low profile faceplate installation	
Safety screen installation / removal	24
Optional wall thermostat	25

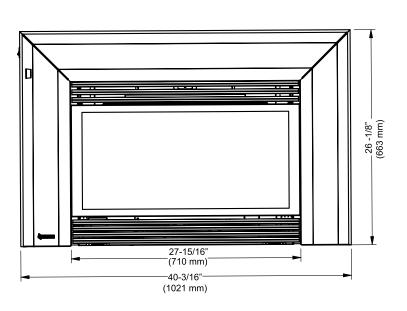
Operating instructions	
Operating instructions	25
First fire	25
Lighting procedure	26
Shutdown procedure	26
Automatic convection	26
Fan operation	26
Normal operating sounds of gas appliances	
Copy of the lighting plate instructions	27
Maintenance Maintenance instructions	00
Log replacement	28
Glass gasket	
Door glass replacement	
Fan maintenance	
_ow profile faceplate	32
Warranty Varranty: limited lifetime	34

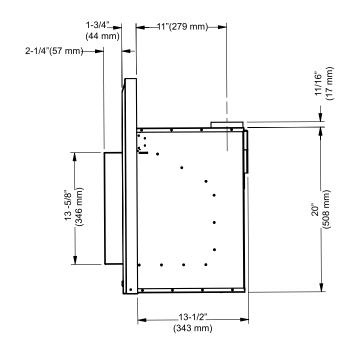
This appliance does not have the capability to adjust the fan speed using the supplied remote—even though the remote transmitter allows this function. The appliance fan is controlled by a fan speed controller (rheostat) or on/off switch depending on the model.

## 4 dimensions

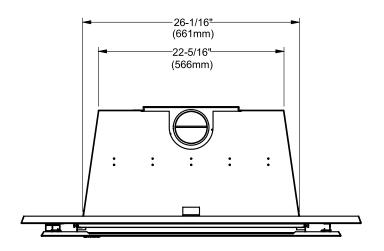
#### UNIT DIMENSIONS WITH STANDARD FACE PLATE

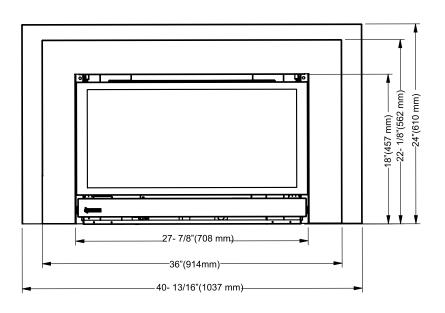


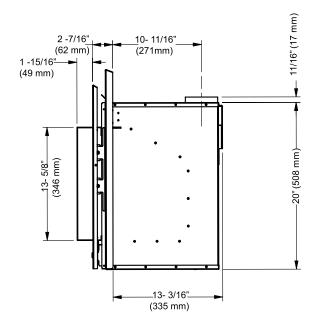




#### UNIT DIMENSIONS WITH LOW PROFILE FACE PLATE



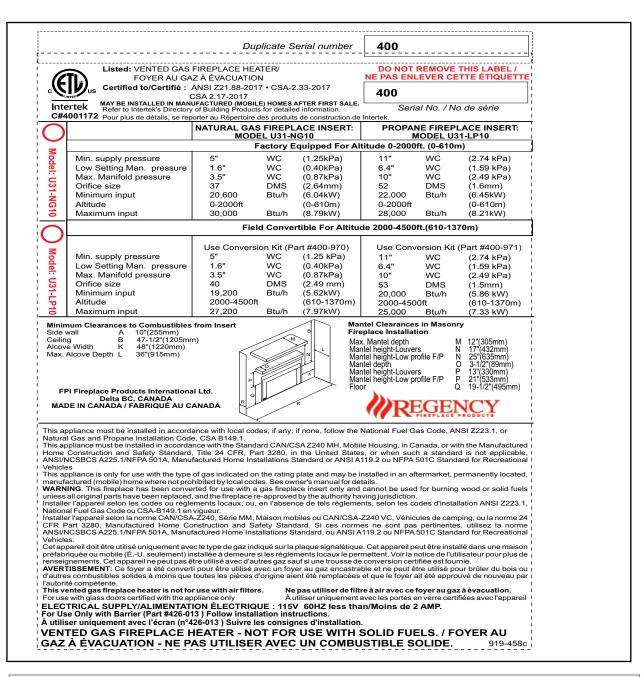




This is a copy of the labels that accompany each U31-10 Gas Insert. We have printed a copy of the contents here for your review. The safety label is located on a plate inside the base of the unit visible when the bottom louver is opened.

NOTE: FPI 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.

#### **SAFETY LABEL FOR THE U31-10**



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

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

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

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

# 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 equipmentat the completion of the installation.

#### FOR YOUR SAFETY

This appliance requires air for proper combustion. Always provide adequate combustion and ventilation air. Follow instructions and information in CSA B149.1 (in Canada) or the National Fuel Gas Code ANS Z223.1/NFPA (in the USA), regarding requirements for combustion and ventilation air.

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

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

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

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

YOUNG CHILDREN SHOULD BE CARE-FULLY SUPERVISED WHEN THEY ARE IN THE SAME AREA AS THE APPLI-ANCE. TODDLERS, YOUNG CHILDREN AND OTHERS MAY BE SUSCEPTIBLE TO ACCIDENTAL CONTACT BURNS. A PHYSICAL BARRIERS IS RECOMMEND-ED IF THERE ARE AT RISK INDIVIDUAL INTHE HOUSE. TO RESTRICT ACCESS TO A FIREPLACE OR STOVE, INSTALL AN ADJUSTABLE SAFETY GATE TO KEEP TODDLERS, YOUNG CHILDREN AND OTHER AT RISK INDIVIDUALS OUT OF THE ROOM AND AWAY FROM HOT SURFACES.

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

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

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

IFTHE BARRIER BECOMES DAMAGED, THE BARRIER SHALL BE REPLACED WITHTHEMANUFACTURER'S BARRIER FOR THIS APPLIANCE.

WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

# IMPORTANT: SAVETHESEINSTRUCTIONS

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

NOTE: Failure to follow the instructions could cause a malfunction of the heater which could result in death, serious bodily injury, and/or property damage. Failure to follow these instructions may also void your fire insurance and/or warranty. This appliance can be used with a thermostat.

#### **SPECIFICATIONS**

At pressures over 1/2 psig, the pipe to the unit must be disconnected.

#### **Gas Input Capacity:**

Natural Gas 30,000 Btu/h Propane 28,000 Btu/h

**Fuels:** Approved for use with both natural gas, and propane. Approved as is for use at 0' to 2,000'. With a field installed conversion kit 0' - 4,500'.

Electrical: 120V A.C. system.

Circulation Fan: Variable speed, 127 CFM.

Log Set: Ceramic fibre, 7 per set.

**Vent System:** Minimum 4" B-Vent or listed gas fuel vent liner.

#### **GAS 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 test pressures over 1/2 psig (3.45 kPa).

#### INSTALLATION INTO A SOLID FUEL BURNING FIREPLACE OR FACTORY BUILT FIREPLACE

The U31-10 Gas Inserts have been tested and approved to be vented into any masonry fireplace or approved solid fuel burning factory built fireplace that will allow the insert to physically fit into the firebox. Refer to "Minimum Fireplace Dimensions" section for minimum fireplace clearances.

If the factory built fireplace\* height is too low for your Insert, you may remove the smoke baffle plate, damper, refractory (firebricks), glass doors, screen rails, screen mesh and log grates from the factory built fireplace as long as these items are saved and are reinstalled in the event that the Insert is removed. The fireplace flue damper can be fully blocked open or removed for installation of the gas fireplace insert.

Smoke shelves, shields and baffles may be removed if attached by mechanical fasteners. If any part is removed it must not weaken the structural integrity of the factory built fireplace.

The fireplace and fireplace chimney must be clean and in good working order and constructed of non-combustible materials.

The surround panels should not seal ventilation openings on the fireplace.

Chimney clean outs should fit properly.

**NOTE**: Any alterations made to the listed solid fuel burning factory built fireplace may void the listing of the fireplace.

Cutting any sheet metal part of the fireplace, in which the gas fireplace insert is to be installed is prohibited.

\*Check with your local inspector before commencing with this installation.

Installer must mechanically attach the supplied label to the inside of the firebox of the fireplace into which the gas fireplace insert is installed.

"WARNING: This fireplace has been converted for use with a gas fireplace insert only and cannot be used for burning wood or solid fuels unless all original parts have been replaced, and the fireplace re-approved by the authority having jurisdiction."

#### FACTORY-BUILT (METAL) WOOD-BURNING FIREPLACE REQUIREMENTS

**NOTE**: Any parts that are removed must be removed in a way that would allow them to be re-installed if the insert is ever removed (removal of rivets or screws is acceptable).

To reference parts—see illustration below.

Must be removed:

- 1 -Damper
- 2- Grate (with log set)

May be removed (if applicable):

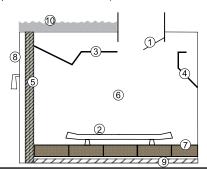
- 3- Smoke shelf
- 4- Internal baffles
- 5 Screen
- 6 & 7 Masonry lining or refractory
- 8 Metal or glass doors

The fireplace must be permanently marked to indicate that it has been altered and is no longer suitable for burning solid fuel (wood), unless the removed parts are re-installed. Cutting of any sheet metal parts is prohibited.

May be removed (in certain cases):

9 -Metal floor of the firebox

10 - The insulation and any structured rigid frame members <u>must not be removed or altered</u> (side and top of door frame, side and top of the face of the fireplace, metal sides, etc.).



#### **CAUTION:**

Firebox floor removal is not covered under the appliance safety standard (ANSI Z21.88, CSA 2.33) used in the safety certification of this appliance. The Intertek safety certification does not apply to this method of installation. Before installing the appliance using this method, contact the Authority Having Jurisdiction to determine if this installation is acceptable in your area. The sheet metal base of the fireplace must be left in place and a minimum 1/2" cement board sheet placed under the entire length and width of the appliance.

If the factory-built fireplace has no gas access hole(s) provided, an access hole of 1.5 inch (37.5 mm) or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship like manner. This access hole must be plugged with non-combustible insulation after the gas supply line has been installed.

#### **GENERAL SAFETY INFORMATION**

- The appliance installation must conform with local codes or in the absence of local codes, with CAN/CGA B149 (in Canada) or the National Fuel Gas Code ANSI Z223.1. This appliance should be installed by a qualified gas fitter technician only.
- Installation and repair should be done by a qualified service person.
- 3. 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, animal hair, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.
- See general construction and assembly instructions. This appliance may only be installed in a vented, noncombustible fireplace.
- 5. This appliance is Listed for bedroom installations. In Canada room heaters must be installed with a Listed Millivolt Thermostat. Some areas may have further requirements, check local codes before installation.
- This unit is not approved for installation into a mobile home.
- 7. Always connect this insert to a vent system venting to the outside of the building envelope. Never vent to another room or inside a building. Make sure that the vent is properly sized and is of adequate height to provide the proper draft.
- **8.** Inspect the venting system annually for blockage and any signs of deterioration.
- **9.** Any glass removed for servicing must be replaced prior to operating the appliance.
- **10.** To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.
- 11. Failure to position the parts in accordance with the diagrams in this manual or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
- 12. Due to high temperatures, the appliance should be located out of high traffic areas and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperatures, especially the fireplace glass and gold trims, and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the appliance. Clothing or other flammable material should not be placed on or near the appliance.

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

The Regency Gas Insert is installed as listed below.

- Unit Location check Clearances to Combustibles.
- Make the gas connections. Convert to Propane Gas if necessary.
- 3. Install the flue or liner to the sliding draft hood.
- Install Venting. Slide the unit into the fireplace.
   Attach draft hood to the insert.
- 5. Test gas pressure. Check aeration
- 6. Test for flue spillage.
- 7. Install the optional brick panels.
- 8. Install the log set.
- 9) Assemble and install the faceplate.
- 10) Install the glass front.
- 11) Install Safety Screen, Remote Control and Optional Wall Thermostat.
- 12) Final check: Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly. This includes:
  - a) Clocking the appliance to ensure the correct firing rate.
  - **b)** Adjusting the primary air, if required, to ensure that the flame does not carbon.
  - Ensuring that the appliance is venting correctly.

#### **MATERIALS REQUIRED**

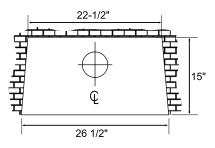
No electrical power supply is required for the gas control to operate. A 120 Volt AC power cord is hooked up to the fan. Plug the 3 wire cord into a suitable receptacle. **Do not cut the ground terminal off under any circumstances.** When connected with 120 volts, the appliance must be electrically grounded in accordance with local codes, or in the absence of local codes, with the current Canadian Electrical Code CSA C22.1 (in Canada) or with the current National Electrical Code ANSI/NFPA 70-1987 (in U.S.A.).

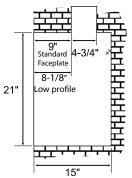
NOTE: This unit is equipped with a heat sensor thermodisc which will prevent the blower from operating until the unit reaches the correct temperature.

## MINIMUM FIREPLACE **DIMENSIONS**

## **CLEARANCES TO COMBUSTIBLES**

The minimum fireplace dimensions for the FPI gas fireplace insert are shown in the following diagrams:





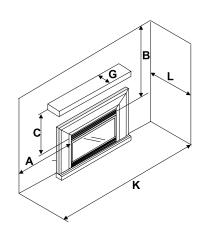
#### From Unit

Sides **A** 10" / 255 mm Ceiling **B** 47.5" / 1205 mm Mantle C See mantle clearances

Max. Mantel Depth **G** 12" / 305 mm

Min. Alcove Width K 48" / 1220 mm Max. Alcove Depth **L** 36" / 915 mm

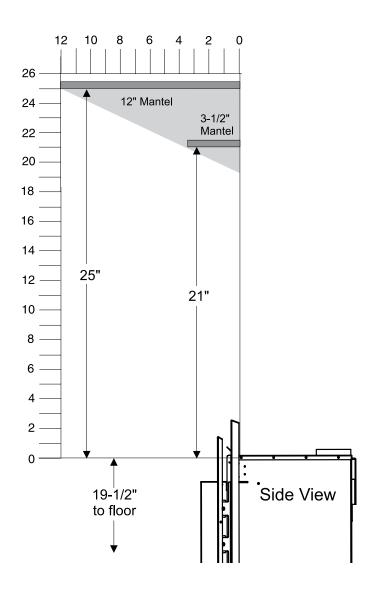
\* No Hearth Required

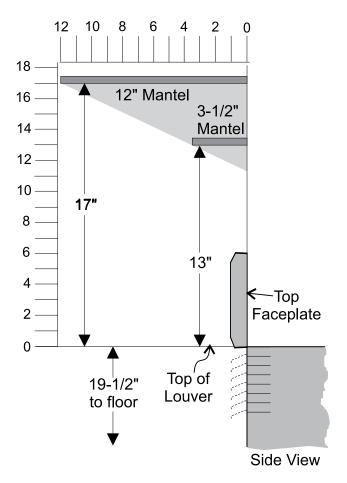


#### **COMBUSTIBLE MANTEL CLEARANCES IN MASONRY INSTALLATION**

Clearances for Low Profile Faceplate with Safety Screen

Clearances for Standard Faceplate /
Contour Faceplate with Safety Screen

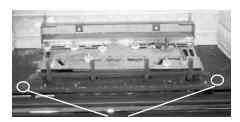




#### **CONVERSION FROM NATURAL GAS TO PROPANE**

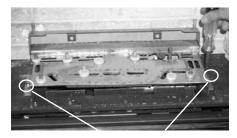
# THIS CONVERSION MUST BE DONE BY A QUALIFIED GAS FITTER IF IN DOUBT DO NOT DO THIS CONVERSION!!

- Turn the unit off and allow it to cool to room temperature.
- 2) Unplug or disconnect power source to stove.
- Remove safety screen and glass front (see manual).
- 4) Remove logs and brick panels (if installed).
- 5) Remove the Grate by removing the screws on each side of the grate.



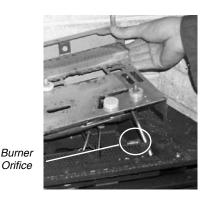
Remove the 2 screws holding the grate in position.

6) Remove the Burner Tray by removing the screws on each side of the tray. Push the tray to the left and lift up.



Remove the 2 screws, push Burner Tray to the left, and lift off.

7) Remove burner orifice with 1/2" wrench and replace with the #52 orifice in the Kit.



8) Turn control knob to the "OFF" position

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



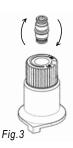
Fig. 1



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

Fig.2

- 11) Check that the screw is clean and if necessary remove dirt.
- 12) Flip the screw (Fig. 3).



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

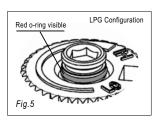


#### **WARNING!**

Do not over tighten the screw.

Recommended to
grip the wrench by the short side.

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



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



- 16) Reverse steps 6 1.
- 17) Pull off the pilot cap to expose the pilot orifice.



**18)** Unscrew the pilot orifice with the allen key and replace with the LP pilot orifice in the kit.



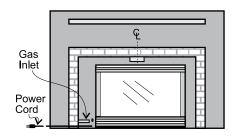


- **19)** Replace Burner Tray and reverse steps 5) to 1).
- **20)** Adjust the burner aeration setting to 3/8" to 3/8" as required for the best flame picture.

#### **GAS CONNECTION**

GAS CONNECTION WARNING: Only persons licensed to work with gas piping may make the necessary gas connections to this appliance.

- If the appliance is to be installed into an existing chimney system, thoroughly clean the masonry or factory built fireplace.
- 2) The appliance is provided with an opening on the left hand side of the control compartment. A 1/2" gas supply pipe must be brought near this inlet hole.



- 3) Locate the center point where the vent will pass through the chimney above the appliance. Move the appliance into the exact location where it is to be installed. Ensure that the Insert is level.
- 4) The installer must provide a valve with a plugged tapping, accessible for test gauge connection, immediately upstream of the gas supply connection to the appliance.

#### HIGH ELEVATION

This unit is approved in Canada for altitude 0 to 2000 ft. with the orifice supplied. For 2000' - 4500' use the optional field conversion kit (Part #400-970 for Natural Gas units and Part #400-971 for Propane units). In USA refer to ANSI Z223.1-1988, Appendix F, for re-sizing orifice.

#### **VENTING**

This appliance is designed to attach to a 4" diameter type B-Vent or listed gas fuel type vent liner running the full length of the chimney. A minimum flue height of 12 feet is recommended. B-Vent must be supported by a vent support - supplied by vent manufacturer. See chart on this page for minimum distances from roof.

The Regency Insert incorporates its own internal draft hood, so no additional external draft hood is required.

Periodically check that the vent is unrestricted and an adequate draft is present when the unit is in operation. (See page 15 for spillage test.)

Before installing vent system ensure that the damper plate is open and secure to prevent the damper plate from falling down and crushing the liner.

# DRAFT HOOD CONNECTION

- Attach the vent to the flue collar on the detachable draft hood. The flue collar of the appliance will fit inside a standard vent and may be fastened directly to the vent by sheet metal screw. Diagram 1.
- 2) Before pushing the appliance into position inside the fireplace, align the draft hood with the guides on the insert top and pull forward. While pushing the unit back into place, keep pulling the draft hood forward until the screw hole in the spill tube aligns with the screw hole in the draft hood locking tab on the underside of firebox top. The screw is secured through the draft hood locking tab into the front of the spill tube. (If screw holes do not line up then draft hood is not positioned correctly.)

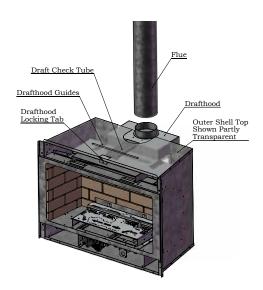
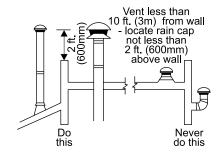
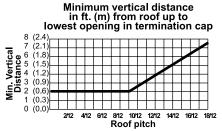


Diagram 1

NOTE: Final gas connection should be after unit is in place to avoid damage to line when pushing the unit into position.





WARNING: Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shutoff system can result in carbon monoxide (CO) poisoning and possible death.

#### **Combustion and Ventilation Air**

WARNING: This appliance needs fresh air for safe operation and must be installed with provisions for adequate combustion and ventilation air available to the room in which it is to be operating.

Follow CAN/CGA B149 (in Canada) or ANSI Z223.1 (in the USA) requirements, and any local codes or regulations of the enforcing authority.

Air for combustion is drawn in through the front of the unit, therefore, the front of the unit must be kept clear of any obstructions.

#### **GAS PRESSURE TEST**

The unit is preset to give the correct gas input at the specified manifold pressures shown on the label.

The maximum gas manifold pressure is: Natural Gas 3.5" w.c.

Propane 10" w.c.

The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point. The pressure check should be carried out with the unit burning and the setting should be within the limits specified.

# GAS INSERT AERATION SYSTEM

The aeration adjustment rod is attached to the air shutter which is located just above the orifice bracket. The rod is used to adjust the aeration on the main burner without having to take the appliance apart.

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

Natural Gas: 3/8" (9.5mm) open Propane: 3/8" (9.5mm) open

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.

# TEST FOR FLUE SPILLAGE

A " spillage" test must be made before the installed unit is left with the customer. Follow the procedure below:

- Start all exhaust fans in the home and then close all external doors and windows in the house.
- Light the unit and set controls to maximum. Turn fan off.
- 3. After five minutes, test that there is a "pull" on the flue by placing a smoke match, cigarette or similar device which gives off smoke, in front of the spill tube. To ensure a valid test, place a scrap piece of sheet metal (or other noncombustible material) between the spill tube and the upper louver, this will prevent the natural convection of the unit from interfering with the test. See Diagram 1.

Check for proper draft by placing a match close to the draft check opening. This should be checked after the unit has been operating for 15 min.

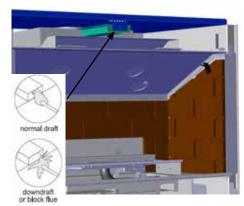
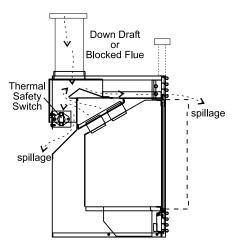


Diagram 1

The smoke should be drawn into the spill tube. If the smoke is still not drawn into the spill tube, turn the unit off and check for the cause of the lack of draft. If necessary, seek expert advice.



For wind turbulent sites, a wind cap may remedy the problem.

Note: The thermally activated safety switch will sense the change in temperature and shut down the gas valve in the event of a severe downdraft or a blocked or disconnected vent. The switch acts as a safety shut-off to prevent a build-up of carbon monoxide. If the flue is blocked or has no "draw", the switch will automatically shut off the supply of gas within 5 - 10 minutes. Tampering with the switch can result in carbon monoxide (CO) poisoning and possible death.

If the heater turns off because of lack of draft during the spillage test, check for the cause and if necessary, seek expert advice.

The thermally actuated safety switch will automatically reset after it has cooled off. The switch will continue to cycle until the draft problem is corrected. DO NOT BYPASS OR DISCONNECT THIS SWITCH.

#### OPTIONAL BRICK PANEL

- Unwrap the brick pattern panels from the protective wrapping.
- Remove the safety screen and glass front if it is already installed.
- 3. Put the rear brick panel flat against the back of the unit.

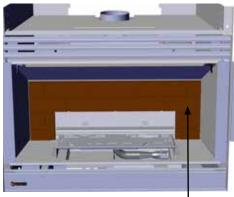
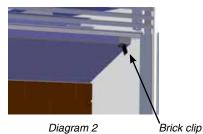


Diagram 1

Back Panel

4. Before installing the side brick panels, loosen the screws for the brick tabs enough so that you can slide the brick clips on to the screws easily but that the tabs are secure. For the location of the side brick tab screws see Diagram 2.



5) Slide brick panel under brick clips, tighten screws securing clips to complete installation.

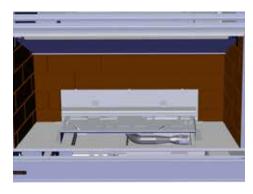


Diagram 3

#### LOG SET INSTALLATION

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

The gas log kit contains the following:

a)	02-43	Rear Log
b)	02-45	Front Right Log
c)	02-56	Middle Left Log
d)	02-46	Left Top Log
e)	02-47	Center Log
f)	02-48	Middle Right Log
g)	02-44	Front Left Log
h)	902-154	Embers
i)	902-153	Rockwool
j)	902-179/P	Vermiculite
k)	946-669	Platinum Embers
		(supplied with packaged manual)



G) 02-44 C) 02-56

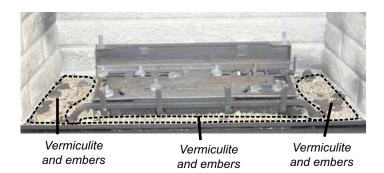
E) 02-47

B) 02-45

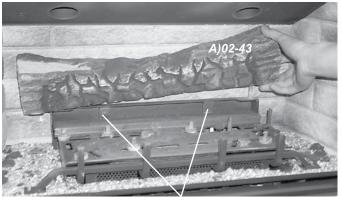
The "02" refer numbers (i.e. 02-43) are molded into the rear of each log.

Note: Install Optional Brick Panels prior to installing logs.

- Carefully remove the logs from the box and unwrap them. The logs are fragile, handle with care - do not force into position.
- 2) Sprinkle the vermiculite around the firebox base. Take some of the embers (approx. 1/3 of the bag) and sprinkle over the vermiculite.



3) Place Rear Log A)02-43 on the two pins on the rear log support.

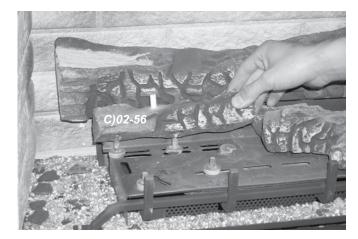


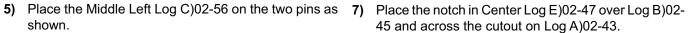
Pins on Rear Log Support

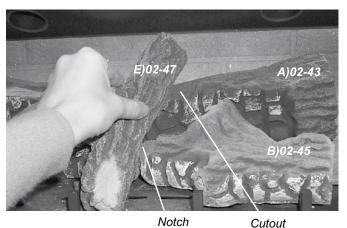
**4)** Place Front Right Log B)02-45 on the two pins as shown.

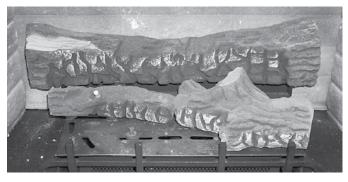


shown.







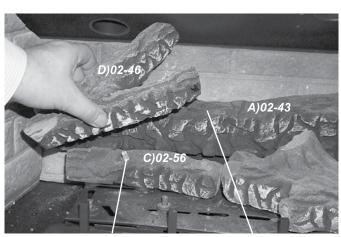


Logs A)02-43, C)02-56, and B)02-45 in position



Logs D)02-46 and E)02-47 in position.

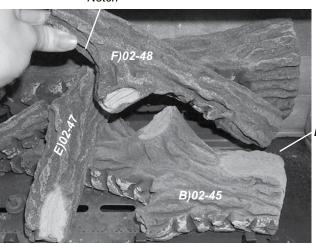
6) Place the Left Top Log D)02-46 on the pin on Log C)02-56 and on top of the cutout on Log A)02-43.



Pin Cutout

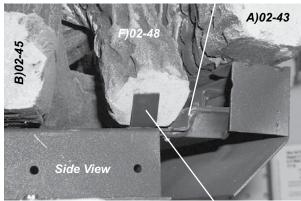
8) Position notch in Front Right Log F)02-48 on Log E)02-47 and push the bottom right edge against the bracket on the burner tray and the front edge of the rear burner.

Notch



Bracket





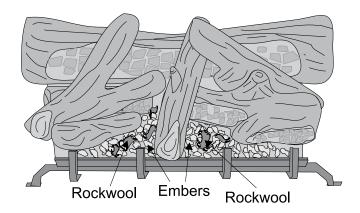
Bracket

The bottom right edge of Log F)02-48 must sit snugly against the bracket and the front edge of the rear burner.

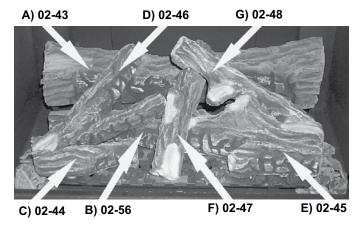
Place Front Left Log G)02-44 onto the 2 front pins as shown.



**10)** Place the embers and Rockwool on the exposed front burner tray.



- 11) Separate platinum embers and place on and around the embers and rockwool on the burner tray. Avoid stacking platinum embers.
- 12) Test fire to ensure proper light off (make sure flame flows smoothly from one end of burner to the other. If there is any flame hesitation, check that area for any blockage of the burner port.



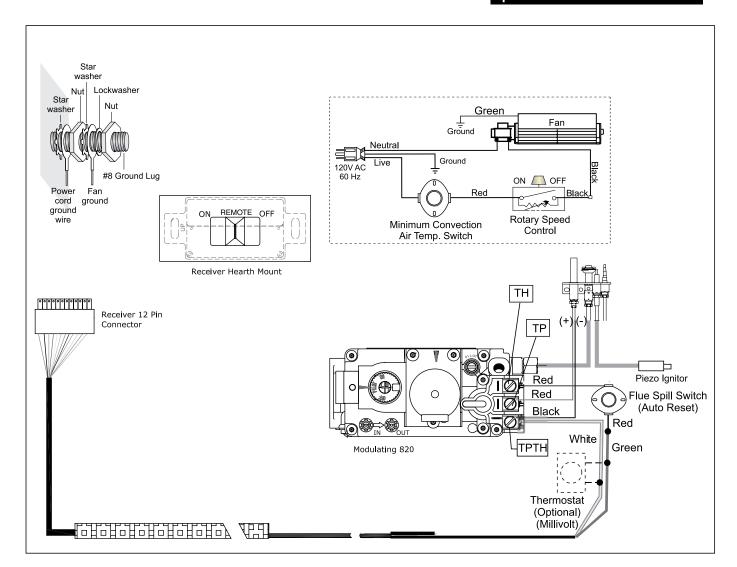
The "02" refer numbers (i.e. 02-43) are molded into the rear of each log.

#### WIRING DIAGRAM

This heater does not require a 120V A.C. supply for operation. In case of a power failure, the remote control/thermostat will continue to operate. However, a 120V A.C. power supply is needed for the fan/blower operation.

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

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

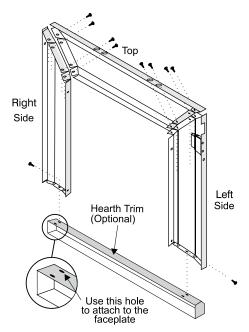


#### **WARNING: Electrical Grounding Instructions**

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

# STANDARD FACEPLATE & HEARTH TRIM INSTALL

- Lay the faceplate panels flat, face down on something soft so they don't scratch.
- 2. Take the top faceplate and align the holes in it with the holes in the side panels. Using the screws provided, attach from the top of the panel (the holes in the top panel are slightly larger than the holes in the side panel to facilitate easier installation). Diagram 1.

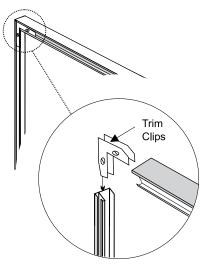


Rear View: Faceplate Assembly Diagram 1

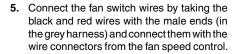
Hint: Don't tighten the screws down completely at this point, continue on with steps 3 and 4 and do a trial fit to the unit. Make any necessary adjustments and when it fits properly then tighten down the screws.

Hearth Trim Option: Hearth Trim is an option that can be used to finish off the installation when the bottom of the fireplace is higher than the hearth or to raise the fireplace. Attach the Hearth Trim to the bottom of the faceplate side panels with the screws provided. See Diagram 1

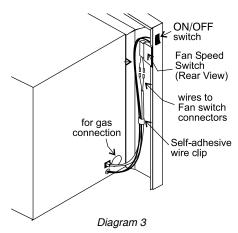
- Using the connectors provided, join the left side trim (with the ON/OFF switch) to the top trim. Diagram 2. Connect the right side trim to the top trim.
- 4. Place the trim on the assembled faceplate panels, aligning the wire connections from the switches with the notch on the left side panel.

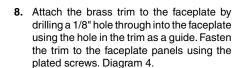


Rear View: Trim Assembly Diagram 2

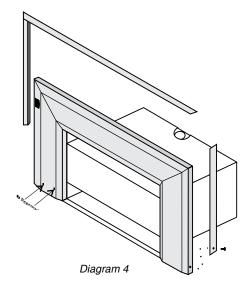


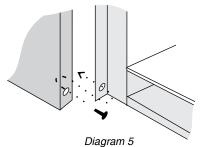
- 6. Tuck the wires into the faceplate to keep them away from the insert using the clip provided. Attach the clip to the rear of the faceplate to ensure that the wires do not touch the side of the unit. Diagram 3.
- The power cord should be run behind the faceplate panel.





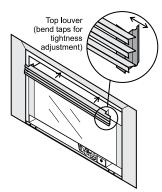
- Attach the faceplate panels to the insert body using the 4 remaining black screws. Diagram 5.
- Push the Regency logo plate into the two holes in the bottom left corner of the faceplate.



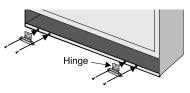


# FLUSH LOUVER INSTALLATION

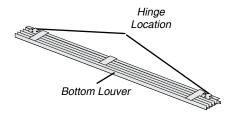
 The Top Louver is held in place by friction fit, if the Louver needs to be adjusted; bend the bracket out as shown in the diagram.



Install the Spring Hinges on the left and right side of the bottom of the Firebox using 2 screws per hinge.



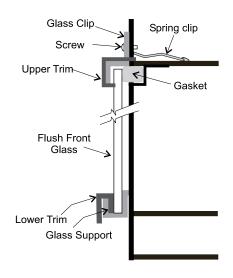
Place the Bottom Louver near the hinge. Flip hinge over the Bottom Louver and secure using 3 screws.

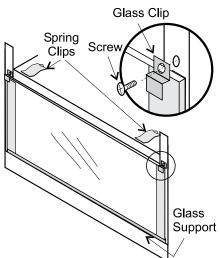


# FLUSH GLASS INSTALLATION

- 1) Install upper and lower trim.
- 2) Slide the glass into the bottom glass support and secure with the glass clips using the 2 phillips head screws at the top.

Note: To remove the glass, reverse the procedure.





#### **WARNING**

The use of substitute glass will void all product warranties.

Do not operate the appliance if the glass panel(s) are removed, cracked or broken. Replacement of the glass panel(s) should be done by a qualified service person.

## LOW PROFILE FACEPLATE INSTALLATION

 Attach the inner faceplate panel to the insert body using 4 screws in the locations shown below.



Diagram 1



Diagram 2

Connect the male end black and red fan switch wires to the wire connectors from the fan speed control.



Diagram 3

3) Tuck the wires into the clip to keep them away from the insert using the clip provided. Attach the clip to the rear of the faceplate to ensure that the wires do not touch the side of the unit. The power cord should be run behind the inner faceplate panel.



Diagram 4

4) Install the on /off switch - fan speed control box to the left hand bottom leg of the inner faceplate. Controls located on the left side.



Diagram 5

5) Feed wires through the left air chamber clip - then clip it to lower left of firebox as show below.



Diagram 6

Wire feed

6) Clip the right side air chamber clip as shown below in Diagram 7.

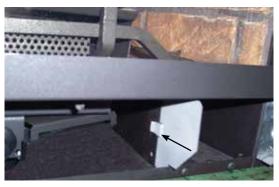
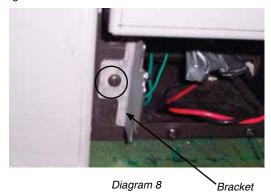


Diagram 7

Attach 2 brackets near the bottom of the unit with one screw as shown below in Diagram 8 (left and right brackets are interchangeable.



Attach Regency logo to bottom louver. Install bottom louver by hanging louver on brackets installed in step 7.



Diagram 9

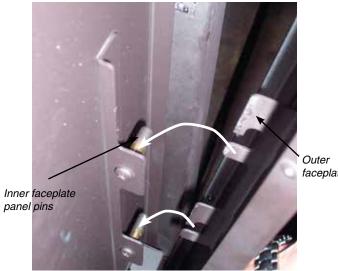
Attach Regency logo to left side of bottom louver

Hook door frame on 2 pins over glass door in locations shown below in Diagram 10.



Diagram 10

10) Take the outer faceplate, line up the openings on the left and right legs and install onto the inner faceplate panel pins.



faceplate

Diagram 11

11) Install safety screen-see next page.



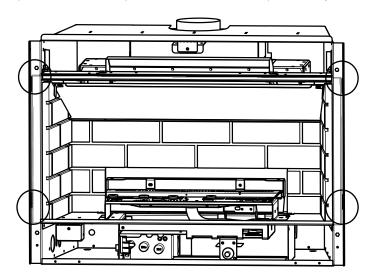
Final Install

Diagram 12

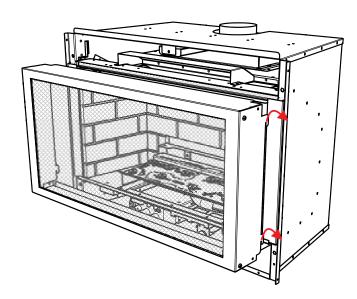
#### **SAFETY SCREEN INSTALLATION / REMOVAL**

1. Identify the four (4) slots located on the unit in locations shown below.

Note:If the top and bottom glass trim (supplied with the optional flush louvers) is installed, discard and recycle the glass trim as this not required when using the safety screen. This is only used on previous models of fireplaces which do not use this optional safety screen.



2. Hook the tabs on the safety screen into the slots on the unit.



3. To remove-lift screen assembly up and pull away from unit.

# OPTIONAL WALL THERMOSTAT

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

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

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

#### **CAUTION**

Do not connect the millivolt wall thermostat wires to the 120V wires.

#### **Thermostat Wire Table**

Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System)

Wire Size	Max. Length
14 GA.	50 Ft.
16 GA.	32 Ft.
18 GA.	20 Ft.
20 GA.	12 Ft.
22 GA.	9 Ft.

#### CAUTION

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

#### **FINAL CHECK**

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

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

#### CAUTION

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

# OPERATING INSTRUCTIONS

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

- 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.
- Make sure the glass door is in place. Never operate the appliance with the door glass removed.
- Verify that all venting and the cap is unobstructed.
- 6. Verify log placement. If the pilot cannot be seen when lighting the unit the logs or the embers have been incorrectly positioned.
- 7. The unit should never be turned off and on again without a minimum of a 60 second wait.
- 8. When lighting the appliance, the inside of the glass may fog up. This will burn off after a few minutes of operation.

#### FIRST FIRE

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time you use it with the fan on. When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

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

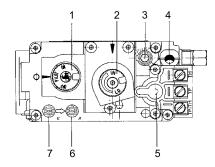
## DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.

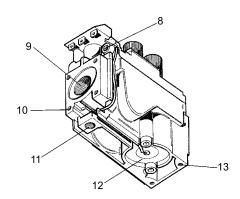
Note: When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear in a few minutes as the glass heats up.

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

#### 820 Valve Description

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





# LIGHTING PROCEDURE

# IMPORTANT Prior to igniting or re igniting the pilot, remove the glass door.

Important: If the pilot does not hold, turn pilot knob to "OFF" position. Wait 5 minutes to clear gas. If you smell gas - STOP! Follow the safety information above. If you don't smell gas, repeat Steps 1-6.

- 1. Push in gas control knob slightly and turn to "PILOT" position.
- 2. Push in control knob all the way and hold in. Continually push and release the black button on spark igniter until pilot lights. Continue to hold the control knob in for about 1/2 minute after the pilot is lit .Release knob and it will pop back up. Pilot should remain lit. If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
- Push in gas control knob slightly and turn to "ON" position.
- 4. Ensure the receiver is in the remote position.



Diagram 1

Press and release the ON/OFF button on the remote handheld transmitter. An audible beep should be heard from the receiver.



Diagram 2



6. The unit will turn on.

If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

# SHUTDOWN PROCEDURE

- Press "OFF" on the remote or slide receiver switch from remote to "OFF".
- 2. Turn the gas control knob to the "OFF" position to turn off the pilot.

Pilot may be shut off during prolonged non use periods to conserve fuel.

## AUTOMATIC CONVECTION FAN OPERATION

The fan operates automatically, turn the knob on the side of the faceplate to adjust to the desired speed. The fan will turn on as the stove comes up to operating temperature. After the unit has been turned off and the unit cooled to below a useful heat output range the fan will shut off automatically.

**Note:** The remote control will not operate the fan on this appliance.

## NORMAL OPERATING SOUNDS OF GAS APPLIANCES

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

#### Blower:

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

#### **Burner Tray:**

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

#### **Blower Thermodisc:**

for steel fireboxes.

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

#### Pilot Flame:

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

#### Gas Control Valve:

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

#### Unit Body/Firebox:

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

#### COPY OF THE LIGHTING PLATE INSTRUCTIONS

#### FOR YOUR SAFETY READ BEFORE LIGHTING

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

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

dans la presente notice risque de decienciner un incendie ou une explosi entraînant des dommages, des blessures ou la mort. Une mauvaise installation, un mauvais réglage, une modification, un mauvais service ou entretien peut provoquer des dommages maté-riels ou des blessures. 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 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 sme next to the floor because some gas is heavier than air and will settle on the floor.

#### WHAT TO DO IF YOU SMELL GAS

- what To both to smell dods

   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 neighbours phone. Follow the gas supplier's
- 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 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 pas tenter d'allumer la veilleuse manuellement.
- B) AVANT DE FAIRE FONCTIONNER L'APPAREIL, renifler autour de l'appareil pou déceler une odeur de gaz. Renifler près du plancher, car certains gaz sont plus lou que l'air et peuvent s'accumuler au niveau du sol.

#### QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :

- Ne pas tenter d'allumer d'appareil
- Ne toucher à aucun interrupteur: ne pas utiliser de téléphones se trouvant dans le bâtiment.
- Appeler immédiatement le fournisseur de gaz depuis un téléphone voisin. Suivre les instructions du fournisseur.

   Si vous ne pouvez rejoindre le fournisseur, appelez le service incendie.
- C) Ne pas utiliser cet appareil s'il a été plongé dans l'eau, même partiellement. Faire inspecter l'appareil par un technicien qualifié et remplacer toute partie du système de contrôle et toute commande qui ont été plongées 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 instatt of the compartment of the control compartment clean. instructions accompanying appliance.

#### LIGHTING INSTRUCTIONS

- Important: If the pilot does not hold, turn pilot knob to "OFF" position minutes to clear gas. If you smell gas STOP! Follow the safety above. If you don't smell gas, repeat Steps 1-6. 1) Push in gas control knob slightly and turn to "PILOT" position.
- 2) Push in control knob all the way and hold in. Continually push and release the black button on spark igniter until pilot lights. Continue to hold the control knob in for about 172 minute after the pilot is if. Release knob and it will pop back up. Pilot should remain lit. If knob does not pop up when released, stop
- and immediately call your service technician or gas supplier.

  3) Push in gas control knob slightly and turn to "ON" position.

  4) Ensure the receiver is in the remote position.

  5) Press and release the ON/OFF button on the remote handheld transmitter. An
- audible beep should be heard from the receiver.
- 6) The unit will turn on
  - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

Important : Si la veilleuse ne reste pas allumée, mettre le bouton de la veilleuse sur "OFF". Attendre 5 minutes pour laisser le gaz se dissiper. Si vous sentez une odeur de gaz - ARRÊTEZ I Suivre les consignes de sécurité ci-dessus. Si vous ne sentez pas de gaz, répétez les étapes 1 à 6.

1) Appuyer légèrement sur le bouton de contrôle de gaz et mettre sur la position "PLLOT".

- 2) Maintenir appuyé le bouton de contrôle puis relâcher le bouton noir sur l'allumeur à étincelles jusqu'à ce que la veilleuse s'allume. Tenir le bouton de réglage enfoncé environ 30 secondes après l'allumage de la veilleuse. Relâcher le bouton qui reprendra sa place. La veilleuse doit rester allumée

- Relâcher le bouton qui reprendra sa place. La veilleuse doit rester allumée. Si le bouton ne revient pas en place après l'avoir relâché, appeler immédiatement un technicien ou le fournisseur de gaz.

  3 Enfoncer légèrement le bouton de réglage et mettre sur la position "ON".

  4) S'assurer que l'interrupteur mural/récepteur est sur la position "Remote".

  5) Appuyer sur le bouton ON/OFF de la télécommande puis relâcher. Le récepteur émettra un bip.

  6) L'appareil s'allume.

  Si la veilleuse ne reste pas allumée après plusieurs essais, tourner le bouton de contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de service ou le fournisseur de la contrôle du gaz sur "OFF" et appeler un technicien de la contrôle du gaz sur "OFF" et appeler un technicien de la contrôle du gaz sur "OFF" et appeler un technicien de la contrôle du gaz sur "OFF" et appeler un technicien de la contrôle du gaz sur "OFF" et appeler un technicien de la

#### TO TURN OFF GAS APPLIANCE

- Press "OFF" on the remote or slide receiver switch from remote to "OFF".
- Turn the gas control knob to the "OFF" position to turn off the pilot. Pilot may be shut off during prolonged non use periods to conserve fuel.
- Appuyer sur le bouton "OFF" de la télécommande ou glisser l'interrupteur du récepteur sur la position "OFF".

  Mettre le bouton de commande de gaz sur "OFF" pour éteindre la veilleuse
- La veilleuse peut être éteinte si l'appareil n'est pas utilisé durant de lo périodes pour limiter la consommation de gaz.

#### DO NOT REMOVE THIS INSTRUCTION PLATE

# MAINTENANCE INSTRUCTIONS

- Always turn the gas valve to off 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 clean soft paint brush as the logs are fragile and easily damaged.
- 2) Clean (never when unit is hot) appliance, door and louvers with a damp cloth. Never use an abrasive cleaner. The gold louvers (and optional gold door) may be scratched if abrasives are used to clean them.
  - The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint (not with wall paint). FPI uses StoveBrite Paint Metallic Black #6309.
- 3) Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call a qualified service person.
- 4) The appliance and venting system must be inspected before use, and at least annually, by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed.
  - During the annual service call, the burners should be removed from the burner tray and cleaned. Replace the embers but do not block the pilot.
- 5) Keep the area near the appliance clear and free from combustible materials, gasoline and other flammable vapours and liquids.

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

CAUTION: ANYSAFETYSCREEN OR GUARD REMOVED FOR SER-VICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERAT-ING THE APPLIANCE.

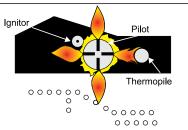
#### CLOTHING OR OTHER FLAM-MABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

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

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

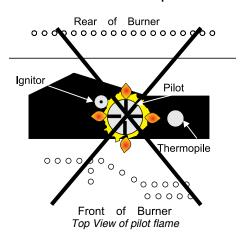
- 7) Verify proper operation after servicing.
- 8) Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Correct flame pattern has four strong blue flames: 1 flowing around the thermopile and thermocouple and 1 reaching towards the rear burner and 1 toward the front(it does not have to be touching the burner).



Front of Burner
Top View of pilot flame

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



If you have an incorrect flame pattern, contact your FPI dealer for further instructions.

#### LOG REPLACEMENT

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

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

#### **GLASS GASKET**

If the glass gasket requires replacement use 7/8" flat glass gasket (Part # 936-243) for the Bay Front and for the Flush Front.

# DOOR GLASS REPLACEMENT

Your Regency insert is supplied with high temperature, 5 mm Neoceram ceramic glass that will withstand the highest heat that your unit will produce. In the event that you break your glass by impact, purchase your replacement from an authorized FPI dealer only, and follow our step-by-step instructions for replacement.

#### Flush Glass Replacement

Slide old glass out of the side frames and replace with new glass.

WARNING: DO NOT OPERATE APPLIANCE WITH THE GLASS FRONT REMOVED, CRACKED ORBROKEN.REPLACEMENTOF THEGLASSSHOULDBEDONEBY ALICENSED OR QUALIFIED SERVICE PERSON.

#### **FAN MAINTENANCE**

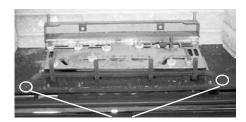
If your fan requires maintenance or replacement, access to the fan is through the plate on the rear wall of the firebox.

NOTE: the unit MUST NOT be operated without the fan access panel securely in place.

To remove fan:

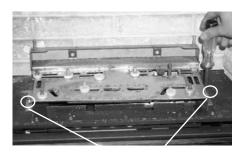
CAUTION: Label all wires prior to disconnection when servicing controls. Wiring error can cause improper and dangerous operation.

- 1. Turn the unit off and allow it to cool to room temperature.
- 2. Unplug or disconnect power source to stove.
- Remove the safety screen and glass front (see detailed instructions in this manual).
- 4. Remove logs.
- 5. Remove brick panels.
- **6.** Remove the Grate by removing the screws on each side of the grate.



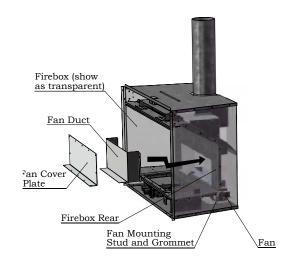
Remove the 2 screws holding the grate in position.

Remove the Burner Tray by removing the screws on each side of the tray. Push the tray to the left and lift up.



Remove the 2 screws, push Burner Tray to the left, and lift off.

- **8.** Remove the 12 screws holding the Access Panel in place.
- **9.** Remove the Fan Air Duct by removing 4 screws, 2 per side.

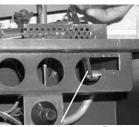


- **10.** Unplug the black wires from the fan motor (from inside the stove).
- **11.** Lift Fan Assembly off of the 2 pins, tip forward and pull through firebox opening.
- 12. Disconnect green wire from power cord.

#### Replacing fan:

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

When replacing the Burner Tray, slide the aeration adjustment rod through the opening in the front of the Valve Assembly.



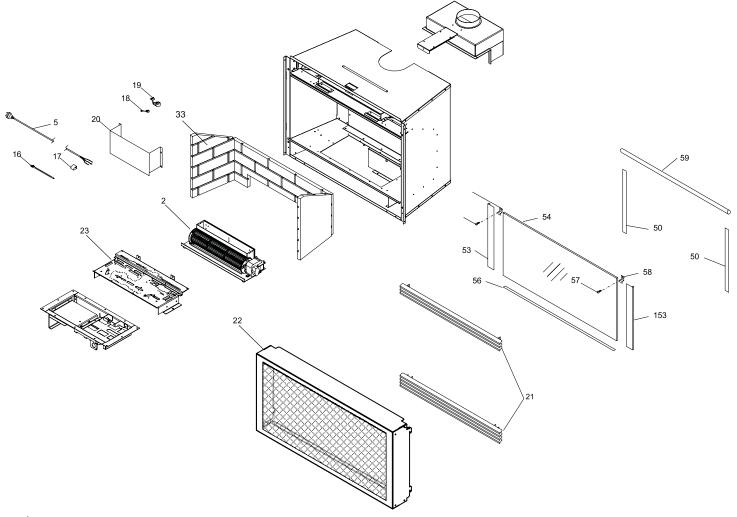
Aeration Adjustment Rod

# 30 | parts list

# **Main Assembly**

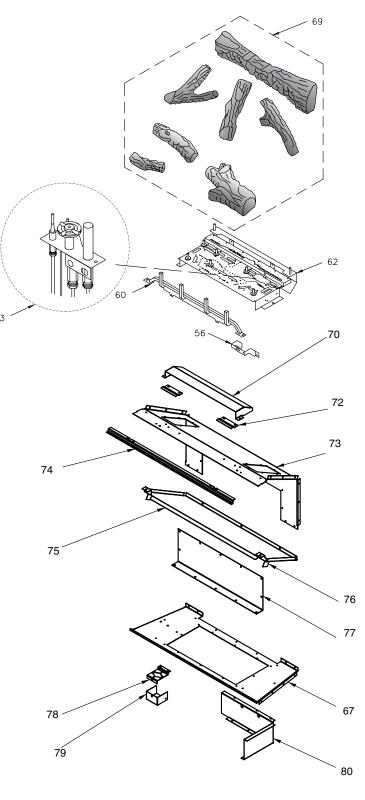
	Part #	Description
1.	400-011	Fan Opening Cover
2.	911-071/P	Fan Motor (120 V)
5.	910-750	Power Cord (120 V)
	910-752	Wire Harness (intermediate)
6.	*	Thermodisc cover
7.	*	Thermodisc bracket
8.	910-142	Thermodisc-Fan Auto ON/OFF
10.	*	Drafthood Assembly
11.	*	Spill Switch Bracket
12.	910-220	Spill Switch
13.	*	Levelling Bolts 5/16 x 3 Hex Head
16.	*	Cable Tie
17.	*	Wire Holder Clip
18.	*	Strain Relief
19.	*	Grommet for power cord
20.	404-015	Air Channel
21.	402-920	Flush Louvers (Set) - Black
22.	405-929	Safety Screen Assembly

	Part #	Description	
23.	404-525	Burner Assembly NG/LP	
33.	404-901	Brick Panel Set - Standard Brown	
	404-902	Brick Panel Set - Standard Red	
36.	400-090	Brick Clips	
	402-515/P	Complete Flush Front	
50.	936-243	Door Frame Gasket - 7/8"	
53.	*	Glass Side Trim	
54.	*	Flush Glass	
56.	936-238	Flush Glass Gasket	
57.	*	Screw #10-24 x 1/2"	
58.	402-033	Flush Glass Bracket	
59.	936-233	3/4" Rope Gasket	
	404-969	Conversion to LP Kit	
	919-435	Manual	
*Not available as a replacement part.			



## **BURNER ASSEMBLY & LOG SET**

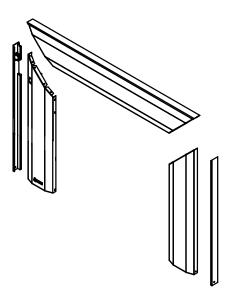
	Part #	Description		
	404-574/P	Valve Assembly - NG		
	404-576/P	Valve Assembly - LP		
52.	910-578	Novasit Valve -NG		
	910-580	Novasit Valve - LP		
	910-581	Novasit Modulator - NG		
	910-582	Novasit Modulator - LP		
53.	910-190	Piezo Ignitor and nut		
54.	*	Valve Heat Shield		
56.	*	Pilot Bracket		
57.	904-240	Burner Orifice Nat. Gas #37		
	904-593	Burner Orifice Nat. Gas #40 (High Altitude)		
	904-390	Burner Orifice LP #52		
	904-345	Burner Orifice LP #53 (High Altitude)		
60.	402-526	Grate Assembly		
62.	404-525	Burner Assembly NG/LP		
63.	910-048	Pilot Assembly (NG) -		
		4 flame convertible top		
	910-049	Pilot Assemby (LP) -		
		4 flame convertible top		
67.	*	Firebox Base		
69.	402-935	Log Set		
	402-572	Ember Package		
70.	*	Air Channel		
72.	*	Glass Trim Retainer		
73.	*	Firebox back and top		
74.	*	Glass Gasket Retainer		
75.	404-050	Firebox Baffle		
76.	400-090	Brick Clip		
77.	404-005	Fan Access Plate		
78.	400-023	Thermodisc Bracket		
79.	400-068	Thermodisc cover plate		
80.	*	Fan Shield		
	910-030	Spark Electrode		
	910-432	Pilot Tube w/Nut		
	911-137	Pilot Hood Clip		
	910-592	Remote Transmitter GTMF (Hand Held)		
	911-228/P	Remote Receiver		
	911-137	Remote Receiver Battery Compartment Door		
	911-164	Valve/Remote Wiring Harness		
	910-036	Pilot Orifice - NG		
	910-037	Pilot Orifice - LP		
	910-341	Thermopile		
	910-386	Thermocouple		
*Not		replacement part.		



#### parts list 32

#### **FACEPLATE ASSEMBLY**

Part # 405-900 **Description:** Standard Faceplate Assembly Part # 405-919 **Description:** Oversize Faceplate Assembly



#### LOW PROFILE FACEPLATE

#### Part # 403-954 **Description:** Low Profile Faceplate

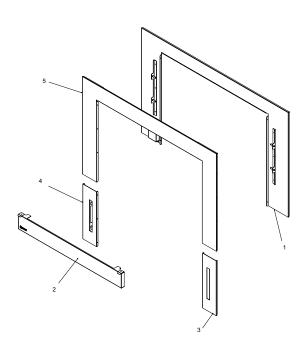
1. Back plate Assembly

2. Bottom Louver

3. Right mounting bracket

4. Left mounting bracket

5. Front Frame



notes | 33

## 34 warranty

#### **Limited Lifetime 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 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 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.

Indoor Gas Products	Part				Supplier	Labor Coverage
Warranty Coverage Parts and Labor	Lifetime	5 years	2 years	1 year	Warranty	(Years)
Firebox and Heat Exchanger	✓					3
Steel Burner Tube	✓					3
Glass Thermal breakage only	✓					3
All Surrounds/Inlays Finishes		✓				3
Brick Panels/Log sets/Ceramic Burners		<b>✓</b>				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, Switches, Blowers, Blower Control Module, Battery Pack, Remote Control Systems)			<b>✓</b>			2
Enamel Panels			✓			1
Venting/Venting Components			✓			1
All Stainless steel surrounds				✓		1
All Firebox Media (Crystals, Firebeads, Volcanic, Ceramic & Spa Stones)				✓		1
All hardware				✓		1
Mesh/Glass Safety Barriers				✓		1
Accent Light Bulbs				✓		1
Glass (Crazing)				✓		1

#### **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.

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 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 or glass 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 Lifetime 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.

FPI is not liable for the removal or replacement of facings or finishing in order to repair or replace any appliance in the field.

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:

Canada, V4G 1H4

U.S. Warrantor:

**FPI Fireplace Products International Ltd.** 6988 Venture St. Delta, British Columbia

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 <a href="http://www.regency-fire.com/Customer-Care/Warranty-Registration.aspx">http://www.regency-fire.com/Customer-Care/Warranty-Registration.aspx</a> within ninety (90) days of purchase.



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

FPI Fireplace ProductsFireplace Products U.S., Inc.Fireplace Products Australia PtyInternational Ltd.PO Box 2189 PMB 125Ltd6988 Venture St.Blaine, WA1- 3 Conquest Way

Delta, British Columbia United States, 98231 Hallam, VIC
Canada, V4G 1H4 Australia, 3803

Phone: 604-946-5155 Phone: 604-946-5155 Phone: +61 3 9799 7277 Fax: 604-946-4349 Fax: 604-946-4349 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.:	



U31 Video