



INSTALLATION AND OPERATING INSTRUCTIONS

for the ULTIMATE Gas Insert

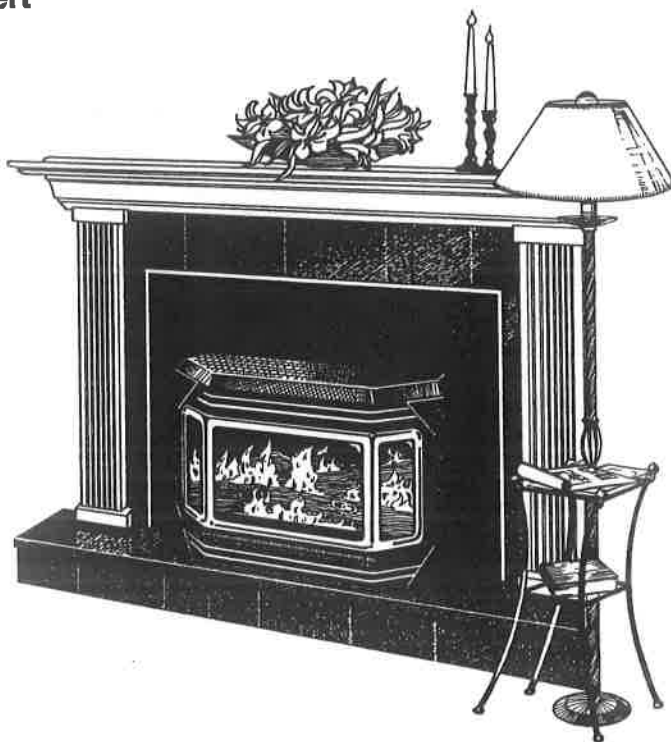
Model: U41-NG/U42-NG Natural Gas Insert
U41-LP/U42-LP Propane Insert

LISTINGS AND CODE APPROVALS

These gas appliances have been tested in accordance with National Safety Standards, and have been certified by Warnock Hersey for installation and operation as described in these Installation and Operating Instructions in the United States and Canada.

Your unit should be serviced annually by a qualified service person.

Check with your local building code agency before you begin your installation to ensure compliance with local codes, including the need for "permits" and follow-up inspections. If any problems are encountered regarding code approvals, or if you wish clarification on any of the instructions contained here, contact your local dealer.



PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

FOR YOUR SAFETY

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

FOR YOUR SAFETY

What to do if you smell gas:

- 1) Open windows.
- 2) Turn off main gas supply
- 3) Do not touch any electrical switch.
- 4) Extinguish any open flames.
- 5) Immediately call your gas supplier or fire department from a neighbour's phone.

Regency Industries Ltd.
7830 Vantage Way, Delta, B.C.
Canada, V4G 1A7

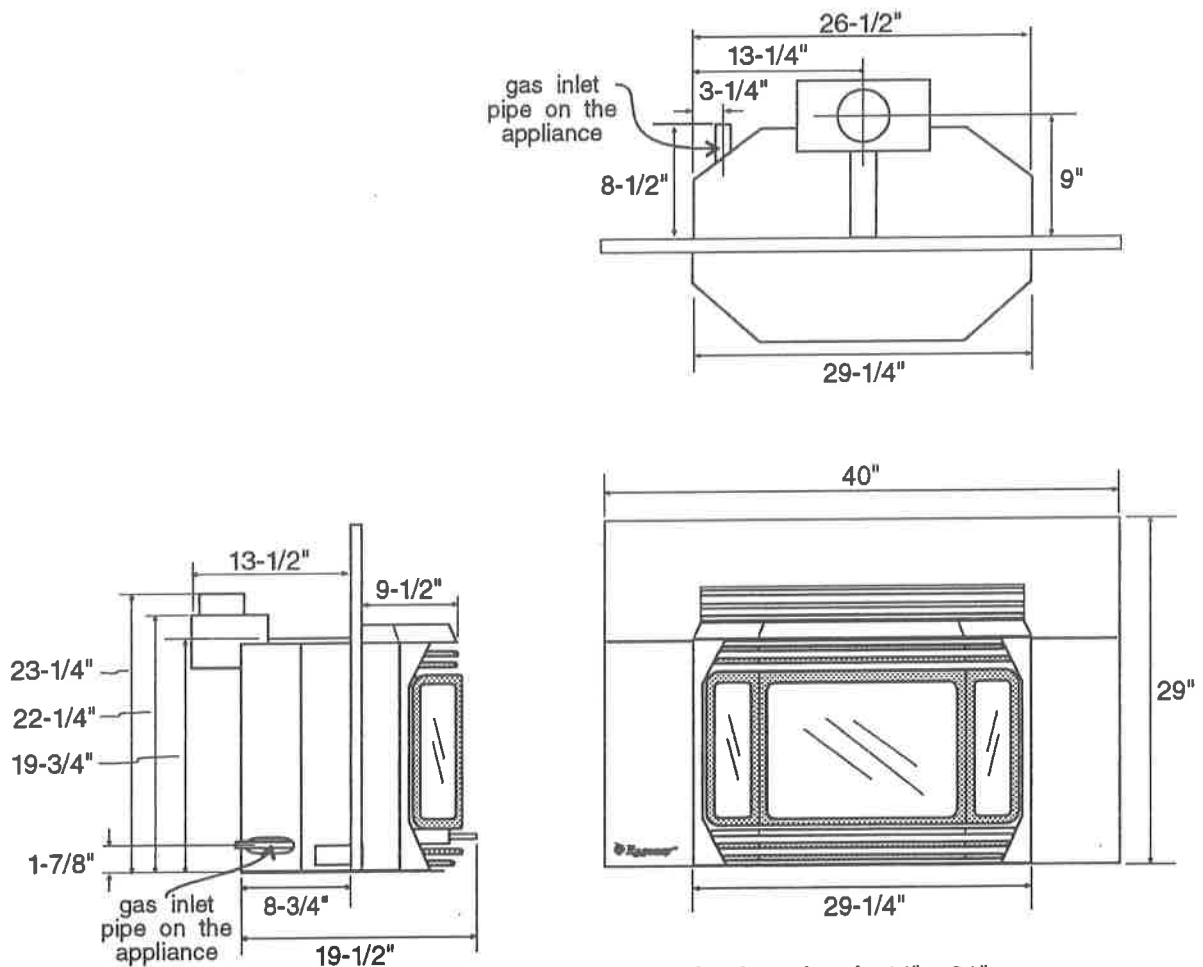
Tested by Warnock Hersey: **Warnock Hersey**



REGENCY GAS FIREPLACE INSERT

TO THE NEW OWNER

Congratulations! You are the owner of a state-of-the-art Gas Insert by REGENCY INDUSTRIES. The Regency ULTIMATE Gas Fireplace 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 U41-NG/U42-NG and U41-LP/U42-LP of this series has been approved by Warnock Hersey for both safety and efficiency. As it also bears our own mark, it promises to provide you with economy, comfort and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Regency Fireplace.



Note: Oversize faceplate is 44" x 31"
Extra Oversize Faceplate is 50" x 35"

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SAFETY LABEL

This is a copy of the label that accompanies each Regency ULTIMATE Gas Insert. We have printed a copy of the contents here for your review. The safety label is located on the right side door panel.

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



Regency
FIREPLACE PRODUCTS

DO NOT REMOVE THIS LABEL

WH - U

Serial No. / No de Serie

Listed: GAS FIRED VENTED ROOM HEATER

Certified for: CANADA AND U.S.A.
Tested to: CAN 2.1 - M86,
ANSI-Z-2.1.11.1 1991,
GPN-004
REPORT NO. 476-1042
(AUG. 1994)

PROpane GAS STOVE:
Model U41-LP/U42-LP

Min. supply pressure LPG 10.5" WC/C.E.
Manifold pressure LPG 10" WC/C.E.
Orifice size - Rear LPG 54 DMS
Orifice size - Front LPG 56 DMS
For use with propane gas.
Min. Output 28,500 BTU
Max. Output 30,400 BTU
Altitude max. input 0-2000 ft/pi (0-610 m)
38,000 BTUH

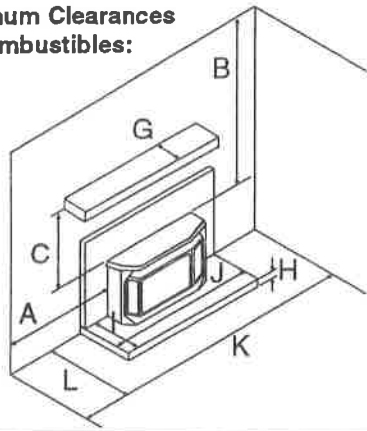
NATURAL GAS STOVE:
Model U41-NG/U42-NG

Min. supply pressure NAT 6.2" WC /C.E.
Manifold pressure NAT 3.8" WC /C.E.
Orifice size - Rear NAT 42 DMS
Orifice size - Front NAT 49 DMS
For use with natural gas.
Min. Output 31,000 BTU
Max. Output 33,000 BTU
Altitude max. input 0-2000 ft/pi (0-610 m)
42,000 BTUH

This appliance must be installed in accordance with local codes, if any; if not, follow current ANSI Z223.1 / CAN 1-B149.
Electrical Supply 115 V, 1.13 A, 60 Hz

**For direct discharge without duct connections.
Not for use with solid fuel.**

Minimum Clearances to Combustibles:



	From Heater
Side Wall:	A 7.5"/190 mm
Ceiling:	B 35"/890 mm
Mantle:	C 11"/280 mm
Mantle Width:	G 5.5"/140 mm
Alcove Width	K 44"/1120 mm
Max. Alcove Depth	L 36"/915 mm

Non-Combustible Hearth Extension	
Hearth Height (H)	Hearth Depth (I)
Option #1: 4"/100 mm	16"/405 mm
Option #2: 0.5"/15 mm	24"/610 mm
Hearth Width	J 40"/1015 mm

Regency Industries Ltd., Delta, B.C.,
WD **MADE IN CANADA** 908-372

DOOR SEAL ADJUSTMENT:
Please check that door is sealed properly.
Periodic adjustment of the door latch may be required.

INSTALLATION REQUIREMENTS

IMPORTANT: SAVE THESE INSTRUCTIONS

The Regency Gas Fireplace 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 these 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.

For Your Safety

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

Gas Pipe Testing

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff 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).

Specifications

Fuel: Natural gas or Propane
Electrical: 115 V.A.C. system.
Fan/Blower: Two speed, 140 CFM.
Log Sets: Ceramic fiber, 4 per set.
Vent System: Listed minimum 4" B-Vent or listed double thickness aluminum flex liner.

Installation into a Factory Built Fireplace

The ULTIMATE Gas Inserts have been tested and approved to be vented into any approved Factory Built Fireplace that will allow the insert to physically fit into the firebox. A Factory Built Fireplace Trim Kit, Part # 610-940, is available.

If the factory built fireplace height is too low for your Insert, you may remove the smoke shelf, baffle plate and damper plate from the factory built fireplace as long as these items are saved

and are re-installed in the event that the Insert is removed.

Installation into "0" Clearance Factory Built Fireplaces

The ULTIMATE Gas Inserts are **only approved for installation into the ULTIMATE Gas Insert Zero Clearance Fireplace Kit, model # 660-900.**

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:

General Safety Information

- 1) The appliance installation must conform with local codes or in the absence of local codes, with current CAN/CGA B149 (in Canada) or the current National Fuel Gas Code ANSI Z223.1. This appliance **MUST** be installed by a qualified gas fitter technician only.
- 2) **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, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean and free from excessive lint from carpeting.
- 4) See general construction and assembly instructions. This appliance may only be installed in a vented, non-combustible fireplace. The appliance and vent should be enclosed when installed in or passing through a living area, where children may come in contact with it.
- 5) Always connect this fireplace to a chimney and vent 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.
- 6) Inspect the venting system annually for blockage and any signs of deterioration.

INSTALLATION REQUIREMENTS

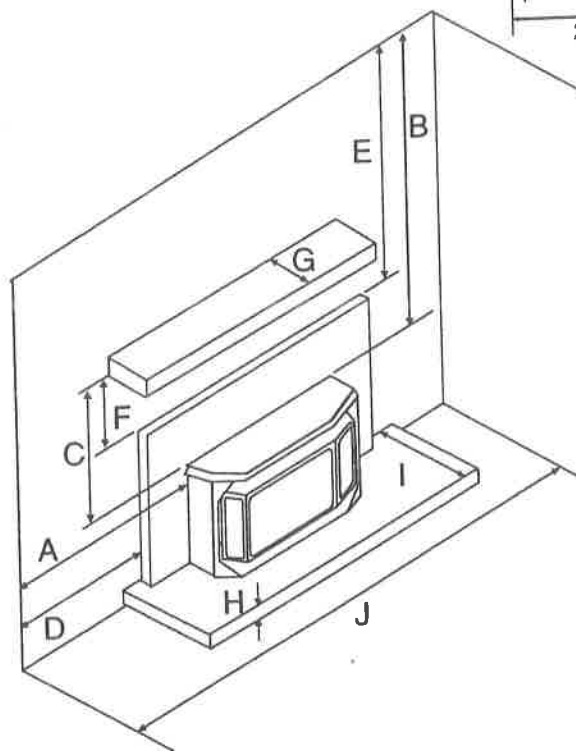
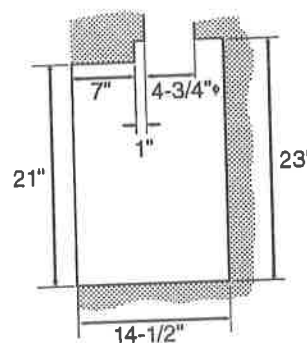
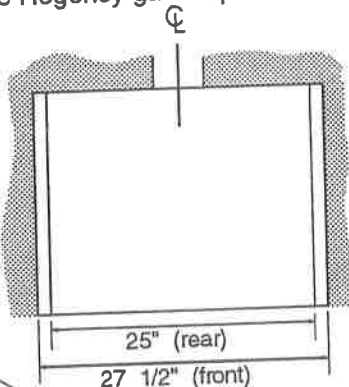
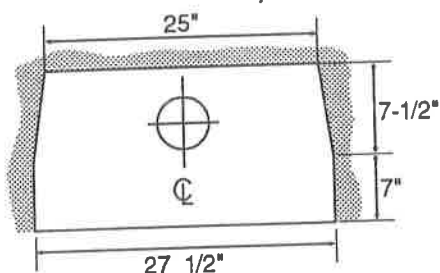
- 7) Any safety glass removed for servicing must be replaced prior to operating the appliance.
- 8) To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.
- 9) Due to high temperatures, the appliance should be located out of high traffic areas and away from

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.

CLEARANCES

Minimum Fireplace Clearances

The minimum fireplace clearances for the Regency gas fireplace insert are shown in the following diagrams:



Clearances to Combustibles

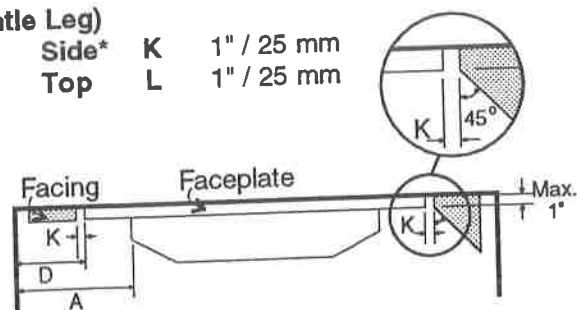
	From Unit
Sides	A 7.5" / 190 mm
Ceiling	B 35" / 890 mm
Mantle	C(My) 12.5" / 320 mm

	From Surround
Sides	D 2" / 50 mm
Ceiling	E 25.5" / 650 mm
Mantle	F 3" / 75 mm

Min. Alcove Width	J 44" / 1120 mm
Mantle Width	G(Mx) 7.5" / 190 mm

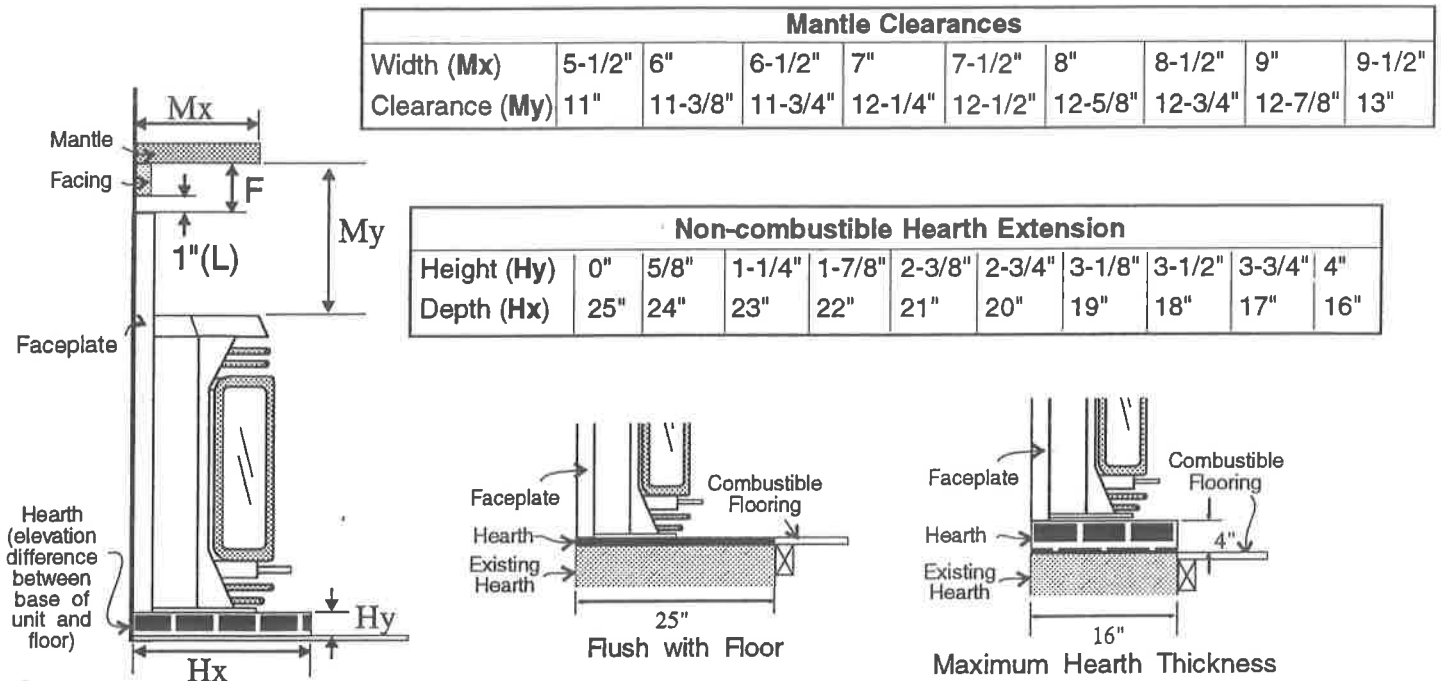
Facing (Mantle Leg)	
Side*	K 1" / 25 mm
Top	L 1" / 25 mm

*Max. width of 1" at 1" from surround, calculate depth at 45° as shown in the diagram.

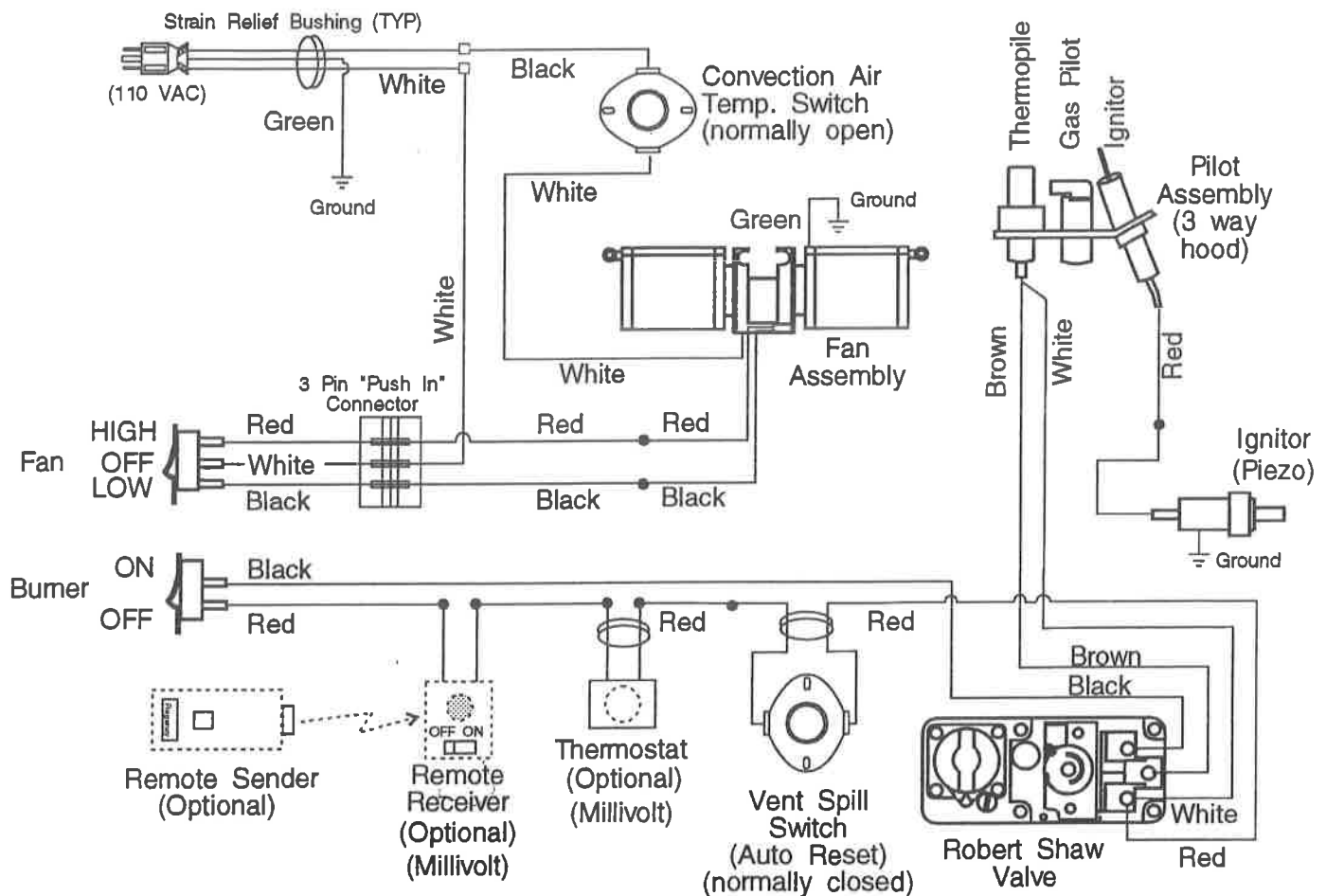


Top View

INSTALLATION REQUIREMENTS



WIRING DIAGRAM



INSTALLATION REQUIREMENTS

MATERIALS REQUIRED

No electrical power supply is required for the gas control to operate. A 115 Volt AC power cord is hooked up to the fan switch and blower. Plug 3 wire cord into a suitable receptacle. **Do not cut the ground terminal off under any circumstances.**

When connected with 115 volts, the appliance must be electrically grounded in accordance with local codes, with a current version of CSA C22.1 (in Canada) or in the absence of local codes, with the National Electrical Code ANSI/NFPA 70-1987.

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

INSTALLATION SEQUENCE

The Regency Gas Insert is installed in the steps as listed below. Detailed instructions follow.

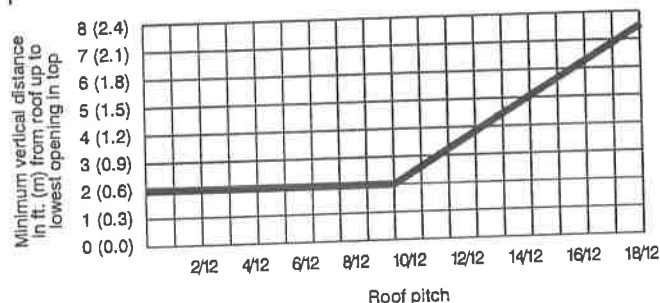
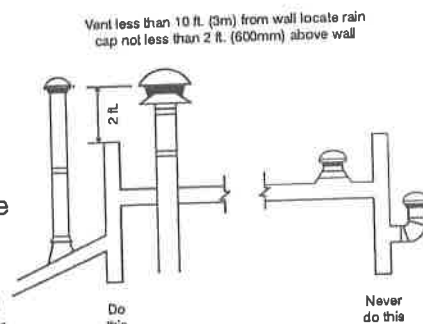
- 1) Install the flue or liner and connect the sliding draft hood to the flue. See page 8.
- 2) Make the gas connections and electrical connection for fan and vent spill switch. See pages 8 & 9.
- 3) Slide the unit into the fireplace and level.
- 4) Assemble and install the faceplate and trim. See page 10.
- 5) Install the brick panels. See page 10.
- 6) Install the 4 logs. See page 11.
- 7) **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 on the components. See page 12.
 - C) Ensuring that the appliance is venting correctly.

VENTING

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

This appliance is designed to attach to a 4" diameter type B-Vent or double thickness aluminum flex 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.

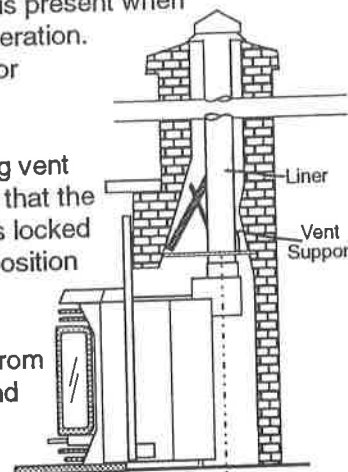
There must be at least 3 feet of chimney above the roof level. Stack the pipe onto your finish support to a minimum height of 3 feet above the roof penetration, or 2 feet above any point within 10 feet measured horizontally.



B-Vent chimneys require a 1" clearance to combustibles.

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 13 for spillage test.)

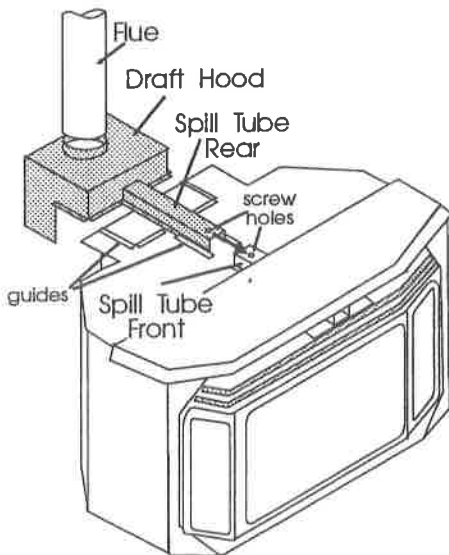
Before installing vent system ensure that the damper plate is locked into the open position and secure to prevent the damper plate from falling down and crushing the liner.



INSTALLATION INSTRUCTIONS

Draft Hood Connection

- 1) 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 or a B-Vent, single wall vent connector.



- 2) Before pushing the appliance into position inside the fireplace, align the draft hood with the guides on the insert top and push forward. While pushing the unit back into place keep pulling the draft hood forward until the screw hole in the spill tube-rear aligns with the screw hole in the spill tube-front. (If screw holes do not line up then draft hood is not positioned correctly.) Secure the two spill tubes with a screw.

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

COMBUSTION & 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.

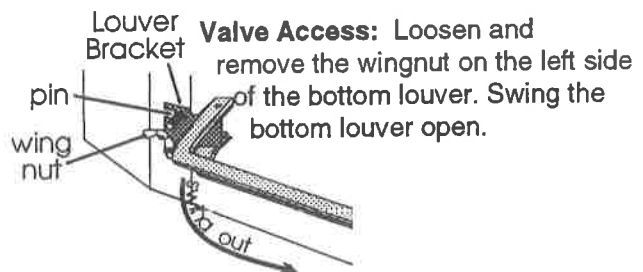
Follow CAN/CGA B149 (in Canada) or ANSI Z223.1 (in the USA) requirements, and any local codes or regulations of the enforcing authority.

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 CONNECTION

For minimum and maximum supply pressure see the System Data table on page 9.

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

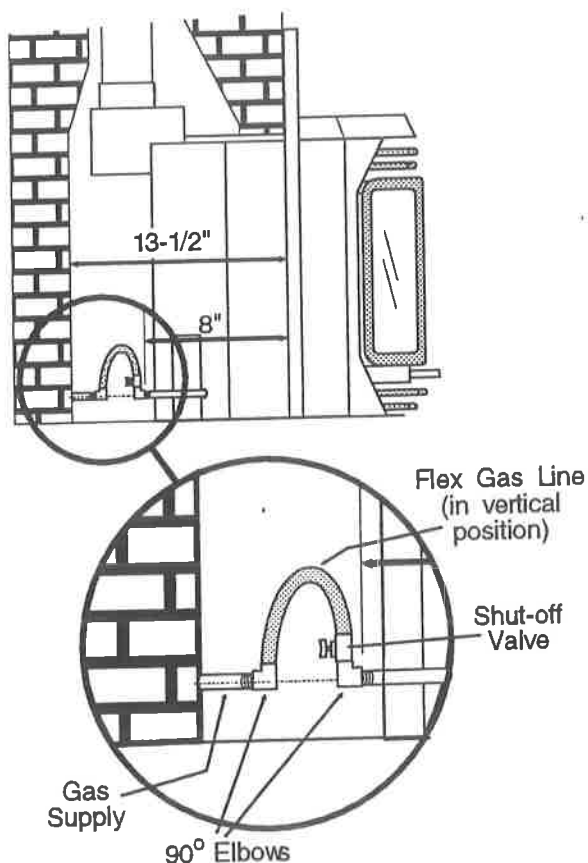


GAS CONNECTION WARNING:

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

- 1) If the appliance is to be installed into an existing chimney system, thoroughly clean the masonry fireplace and have the chimney swept.
- 2) The gas connection is a 3/8" NPT male pipe on the rear left side of the unit. The gas line can be rigid pipe or to make installation easier use a listed flexible connector and manual shut-off valve if allowed by local building codes. A 1/2" gas supply pipe must be brought near this inlet hole.

INSTALLATION INSTRUCTIONS



- 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) A 1/8" NPT plugged tapping is provided on the gas control valve. It is located near the outlet to the Main Burner immediately upstream of the gas supply connection to the appliance, and is easily accessible for a test gauge connection (see diagram on page 12).
- 5) Once the gas has been connected ensure that the pilot valve is in line with burner.

CAUTION: If the door is removed or opened for servicing, it must be replaced and closed prior to operating the appliance. The glass must be fixed in the door when operating.

System Data

For 0 to 2000 feet altitude*

Burner Inlet Orifice Sizes:

	Natural Gas	Propane
Rear Burner	#42	#54
Front Burner	#49	#56

*Above 2000 ft. see National Code Orifice Chart.

Input Rating	- Natural Gas	42,000 btu/h
	- Propane	38,000 btu/h
AFUE Rating	- Natural Gas	64.6
	- Propane	65.2

Min. Output Capacity with blower Off

Natural Gas	31,000 btu/hr
Propane	28,500 btu/hr

Max. Output Capacity with blower On

Natural Gas	33,000 btu/hr
Propane	30,400 btu/hr

Supply Pressure:	Natural Gas	min. 6.2" w.c.
		max. 8.0" w.c.
	Propane	min. 10.5" w.c.
		max. 12.5" w.c.

Manifold Pressure

Natural Gas	3.8" +/- 0.2" w.c.
Propane	10" +/- 0.2" w.c.

Recommended Gas Pipe Diameter

Pipe Length (feet)	Schedule 40 pipe Inside Dia.		Tubing, Type L Outside Dia.	
	N.G.	L.P.	N.G.	L.P.
0 - 10	1/2"	3/8"	1/2"	3/8"
	1.3 cm	1.0 cm	1.3 cm	1.0 cm
10 - 40	1/2"	1/2"	5/8"	1/2"
	1.3 cm	1.3 cm	1.6 cm	1.3 cm
40 - 100	1/2"	1/2"	3/4"	1/2"
	1.3 cm	1.3 cm	1.6 cm	1.3 cm
100 - 150	3/4"	1/2"	7/8"	3/4"
	2.0 cm	1.3 cm	2.3 cm	2.0 cm

NOTE: Some areas allow copper tubing or galvanized pipe - check local codes. **Never** use plastic pipe.

HIGH ELEVATION

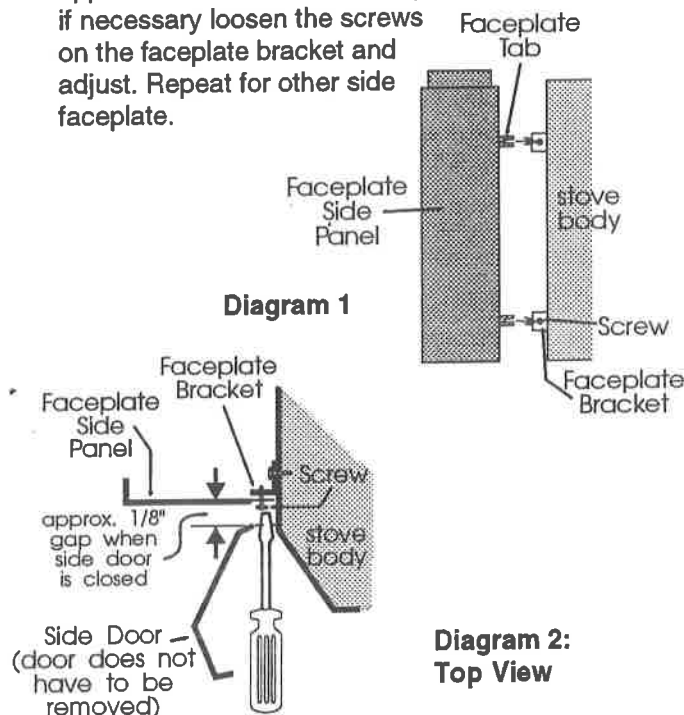
This unit is approved in Canada for altitude 0 to 2000 ft. (CAN1 2.17-M90) with the orifice supplied. For installations above 2000 feet, follow current CAN/CGA-B149.1 and B149.2. In USA refer to ANSI Z223.1-1988, Appendix F, for re-sizing orifice.

INSTALLATION INSTRUCTIONS

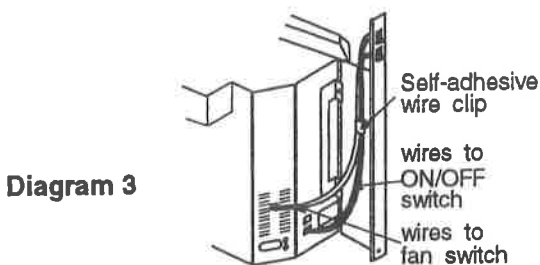
FACEPLATE & TRIM INSTALLATION

- 1) With the side door closed slide the faceplate tabs into the bracket on the side of the insert. Open the side door until you have access to the screws and then tighten the screws. See diagrams 1 and 2.

Close the side door, there should be a gap of approx. 1/8" between the faceplate and the door, if necessary loosen the screws on the faceplate bracket and adjust. Repeat for other side faceplate.

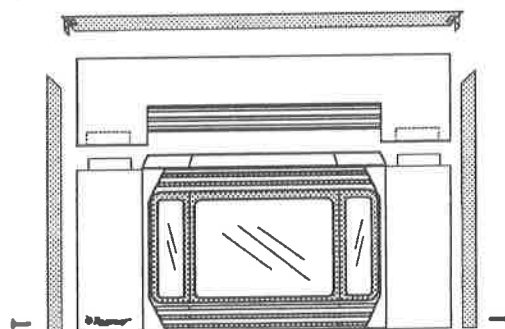


- 2) Fan Switch wires: Connect the plug end from the fan switches to the matching plug from the unit. See Diagram 3. Make sure the plugs are pushed together as far as they can go. Push the connection into the hole in the side of the insert so it is locked into place.



- 3) ON/OFF wires: Hookup the ON/OFF wires to the left side trim. Diagram 3.

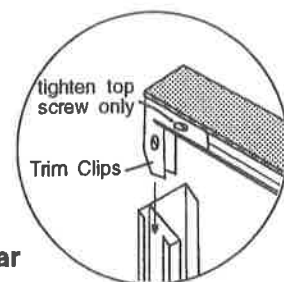
- 4) Place the trim on the assembled faceplate panels, aligning the wire connections from the switches with the notch on the left side panel. Tuck the wires into the faceplate to keep them away from the insert using the clip provided. Attach the clip to the rear of the faceplate to ensure that the wires do not touch the side of the unit. Diagram 3. Secure the trim with a screw at the bottom.
- 5) Slide right trim onto the right faceplate and secure with a screw at the bottom.
- 6) The power cord should be run behind the faceplate panel.
- 7) Slide the top faceplate onto the two side faceplate panels. Check that the faceplate louvers are level. If not remove the top faceplate panel and loosen the screws securing the louvers to the louver bracket, adjust the louvers and tighten the screws. Replace the top faceplate.
- 8) Take the corner clips and slide into the top trim. Tighten the top screws (the bottom screws do



not have to be tightened). Slide the top trim onto the side trim. Diagram 4.

- 9) Push the Regency logo plate into the two holes in the bottom left corner of the faceplate.

**Diagram 4:
View from Rear**



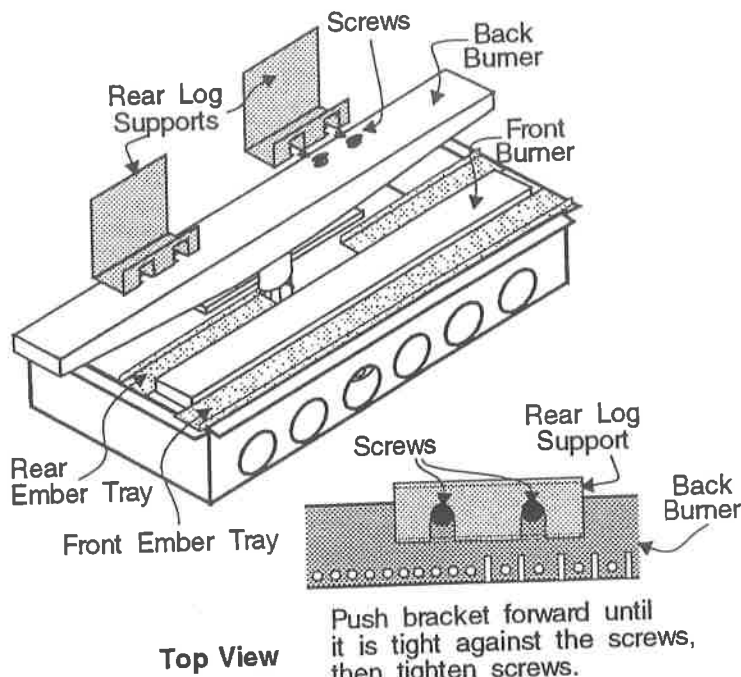
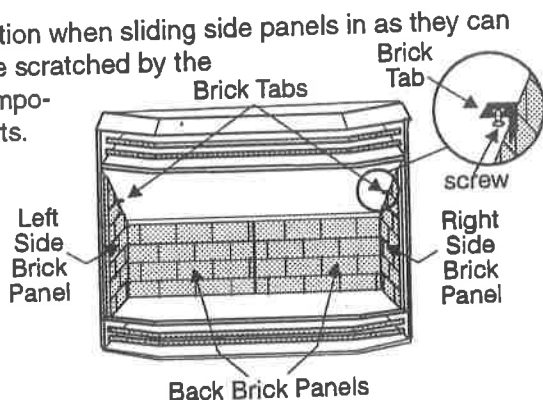
NOTE: If you are making custom faceplates, you must use the faceplate louvers. Failure to do so will void the certification on your unit. The faceplate louvers can be purchased separately, part # 610-909.

INSTALLATION INSTRUCTIONS

BRICK PANELS

- 1) Unwrap the brick pattern panels from the protective wrapping.
- 2) Open the door and position the back panels first, then the two side panels. Slide the side brick panel into place from the front of the firebox, there are 2 tabs to hold the panel in place, one on each side.
- 3) The brick panels should be tight against the firebox sides and back.

Use caution when sliding side panels in as they can easily be scratched by the hard component parts.



Top View

- 2) Remove the logs from the heater and carefully unwrap them. **The logs are fragile, handle with care - DO NOT FORCE** into position.
- 3) Place embers along full length of the front burner tray. Embers should be about the size of the end of your thumb, if you have larger pieces break them into smaller pieces. If the ember pieces are too large they can cause sooting problems and block holes in the burner.

Put embers on top of the front burner but **keep embers clear of the pilot** and make sure the embers do not prevent the front log from sitting properly on the front log stands. See Dia.1. **Do not put any embers in the rear ember tray.**

The gas log kit contains the following:

- a) Front Log - Part # 902-161
- b) Rear Log (with knot) - Part # 902-160
- c) Small Cross Logs (2) 8" long - Part # 902-162
- d) Embers - Part # 650-934
- e) Rear log supports (2)

(Part # 650-932 for the set of four logs)

1) Log Stand Installation

- a) Loosen the 4 screws in the top of the rear burner.
- b) Slide the two rear log support brackets into position as shown in the diagram.
- c) Push the rear log support brackets tight against the screws and then tighten down the screws.

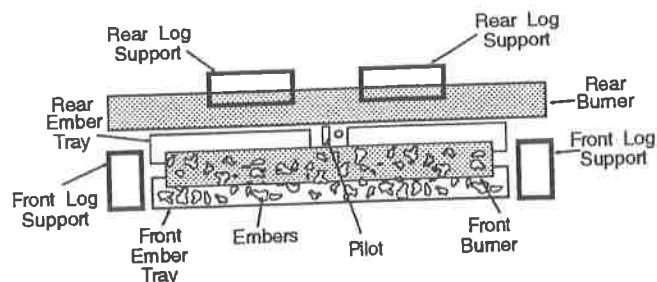


Diagram 1: Top View

- 4) Carefully place the rear log (with **no** cutouts) so it rests on the rear supports (with the flat part of the log to the back) and then push the log flush against the back. Center the log, relative to the

INSTALLATION INSTRUCTIONS

rear burner. The knot in the log should sit just to the right of center. See dia.1 & 2.

- 5) Place the front log (with the cutouts) on the two front log supports, the log must be even with the front edge of the supports. See dia. 1, 2 & 3.

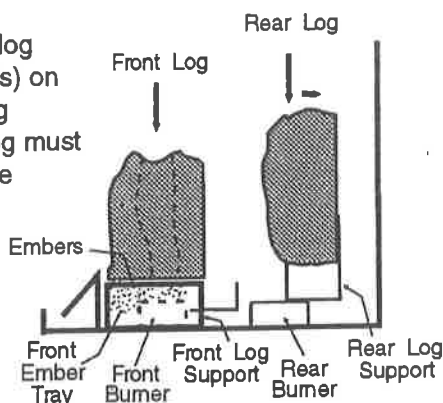


Diagram 2: Side View

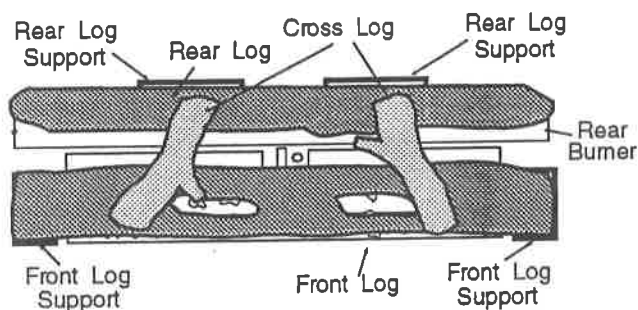


Diagram 3: Top View

- 6) The cross logs must be positioned on the front and rear logs as shown in Dia. 4. Incorrectly positioned cross logs will affect the flame pattern and proper operation of the unit. Use the two top holes in the front log for positioning. The inside edge of the left log is even with the left edge of the hole and the "thumb" just touches the front edge of the hole. The inside edge of the right log is even with the right edge of the hole and the "thumb" is centered above the knot in the rear log.

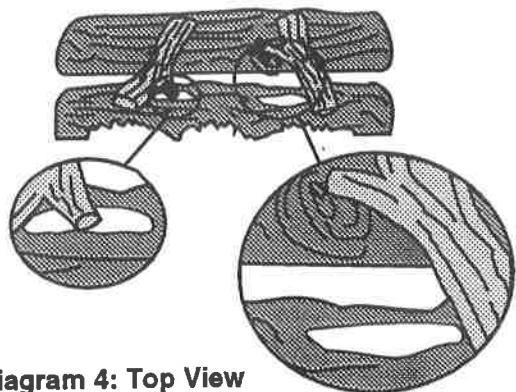
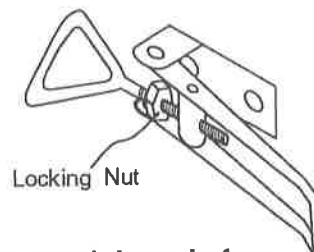


Diagram 4: Top View

DOOR INSTALLATION AND DOOR LATCHES

The door slides onto the two hinge pins and fastens with the two latches on the right side. The door must be kept closed and locked at all times, except during maintenance. The unit must never be operated without the glass in the door, or with the door open.



Always open the two side panel doors before opening the large center door to prevent the large door from getting scratched.

Test the seal around the door by placing a piece of paper between the unit and the door, close the door and try to pull the paper out. If it slips out easily, then the door is not properly sealed. Turn the locking nut on the adjustable catch to tighten or loosen the latch.

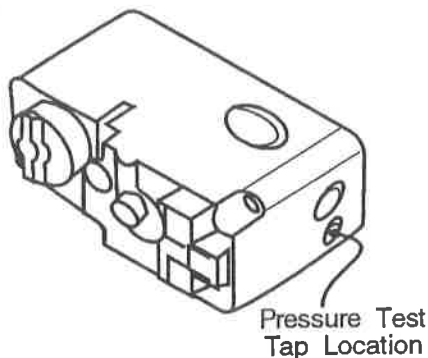
GAS PRESSURE TEST

The unit is preset to give the correct gas input at the specified manifold pressures shown in the Systems Data table on Page 8. The maximum gas input pressure is:

Natural Gas	3.8" w.c.
Propane	10.5" w.c.

The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point. This is a 1/8" NPT plugged tapping located on the gas control, near the outlet to the main burner.

The pressure check should be carried out with the unit burning and the setting should be with the limits specified in the System Data table on Page 9.



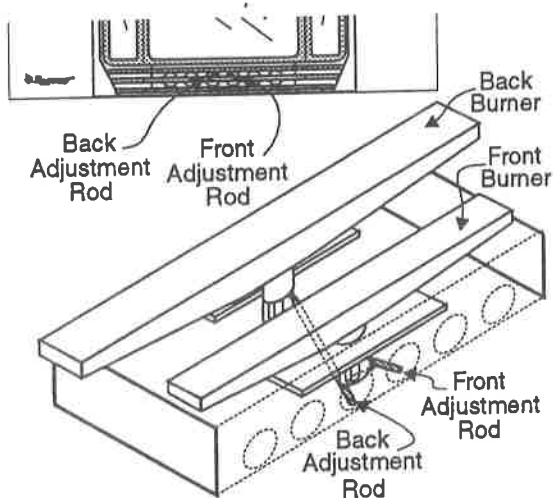
INSTALLATION INSTRUCTIONS

AERATION SYSTEM

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

Natural Gas: 1/4" open (rear) and 1/4" open (front)
Propane: 5/8" open (rear) and 5/8" open (front)

An aeration adjustment rod is attached to the air shutter on each burner. The rod is used to adjust the aeration on the main burner without having to take the appliance apart. This adjustment is performed by a qualified installer. The factory setting should be sufficient for most installations.



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

TEST FOR FLUE SPILLAGE

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

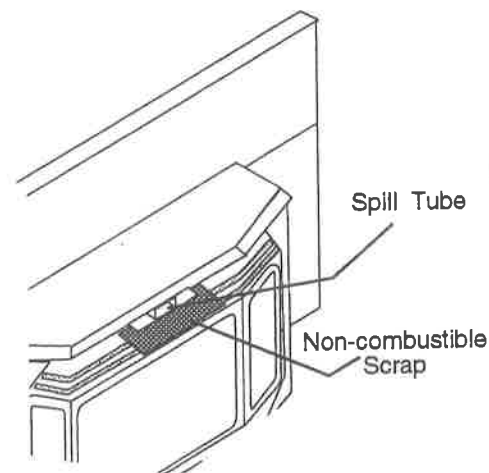
- 1) Start all exhaust fans in the home and then close all doors and windows in the room.
- 2) Light the unit and set controls to maximum. Turn fan off.
- 3) After five minutes, test that there is a "pull" on the flue by placing a smoke match, cigarette or similar device which gives off smoke, in front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



normal draft



downdraft
or blocked flue



The smoke should be drawn into the spill tube, if it does not, leave the unit for a further five minutes and retest as above. 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.

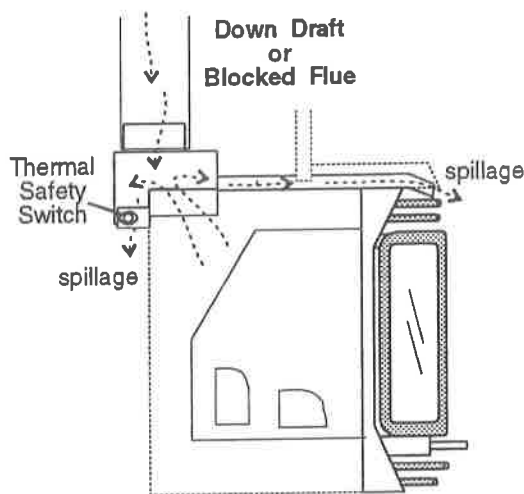
For wind turbulent sites, a wind cap may remedy the problem.

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 of air or a blocked or disconnected vent. The switch acts as a safety shut-off to prevent a build

INSTALLATION INSTRUCTIONS

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 reduced in temperature. The switch will continue to cycle until the draft problem is corrected. **DO NOT BYPASS OR DISCONNECT THIS SWITCH.**

OPTIONAL WALL THERMOSTAT INSTALLATION

A wall thermostat may be installed if desired, follow the wiring diagram on page 7. The thermostat is not supplied by Regency, use a CSA, ULC or UL approved millivolt thermostat, 250-75 millivolt rated. A non-anticipator type thermostat is recommended. The maximum recommended length of wire from the valve to the thermostat is 20 ft.

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

Wire Size	Max. Length
14 GA.	100 Ft.
16 GA.	64 Ft.
18 GA.	40 Ft.
20 GA.	25 Ft.
22 GA.	18 Ft.

OPTIONAL REMOTE CONTROL INSTALLATION

Use the Regency Ultimate Insert Remote Control Kit (Part # 846-955) approved for this unit. Use of other systems may void your warranty.

OPERATING INSTRUCTIONS

OPERATING INSTRUCTIONS

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

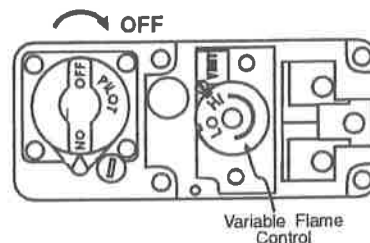
- 1) Read and understand these Instructions before operating this appliance.
- 2) Check to see that all wiring is correct and enclosed to prevent possible shock.
- 3) Check to ensure there are no gas leaks.
- 4) Make sure the three door glass pieces are in place. Never operate the appliance with any of the door glass removed or with the door open.
- 5) Verify that all venting and the cap is unobstructed.
- 6) Verify log placement. If the pilot cannot be seen when lighting the unit - the logs or the embers have been incorrectly positioned.
- 7) The unit should never be turned off and on without a minimum of a 60 second wait.
- 8) When lighting the appliance, the inside of the glass may fog up. This will burn off after a few minutes of operation.

DO NOT BURN THE APPLIANCE WITH THE DOOR OPEN.

LIGHTING PROCEDURE

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

- 1) Open the door when lighting the pilot, but once the pilot is lit, DO NOT operate the unit with the door open.
- 2) Open the bottom louver assembly by turning the wing nut and swinging the louvers out. (See page 8 for diagram.)
- 3) If the control knob is in the "OFF" position proceed to Step 5.
- 4) Push in gas control knob slightly and turn clockwise to "OFF". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.



- 5) Wait five minutes to allow gas, that may have accumulated in the main burner compartment, to escape. If you do smell gas, follow the instructions on the front of this manual. If you don't smell gas continue on to the next step.
- 6) Turn the gas control counterclockwise to "PILOT".
- 7) Push in control knob all the way and hold in. Immediately push red button on spark igniter until pilot lights. Continue to hold the control knob in for approximately one minute, then release the gas control knob. The pilot flame should continue to burn. If the pilot does not remain lit, repeat operation allowing a longer period before releasing gas control knob.
- 8) Turn gas control knob counterclockwise to "ON".
- 9) Use rocker switch to operate main burner.
- 10) Rotate the variable flame control to adjust the flame height higher or lower.
- 11) Close the bottom louver assembly and tighten the wing nut.
- 12) The door must be closed when operating the unit.

SHUTDOWN PROCEDURE

- 1) Use the rocker switch to turn off the main burner.
- 2) Open the bottom louver assembly by turning the wing nut and swinging the louvers out.
- 3) Push in the gas control knob slightly and turn clockwise to "OFF". Do not force.
- 4) Disconnect all electric power to the appliance if service is to be performed.

OPERATING INSTRUCTIONS

Copy of the Lighting Plate instructions

FOR YOUR SAFETY READ BEFORE LIGHTING

This appliance must be installed in accordance with local codes, if any; if not, follow the current CAN1-B149/ANSI Z 223.1-1980

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or gas supplier.

A) This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B) BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

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

C) Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

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

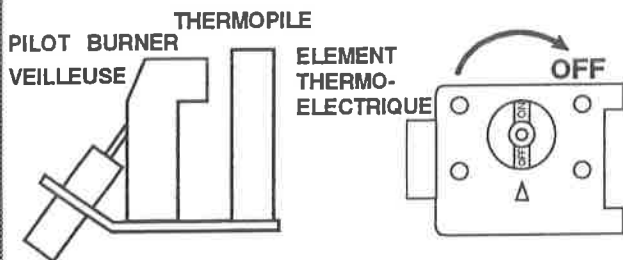
This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

CAUTION: Hot while in operation. Do not touch. Due to high surface temperatures keep children, clothing and furniture, away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

LIGHTING INSTRUCTIONS

STOP! Read the safety information above on this label.

1) Push in gas control knob slightly and turn clockwise to "OFF". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.



2) Wait five (5) minutes to clear out any gas. If you then smell gas STOP! follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

3) Turn knob on gas control counterclockwise to "PILOT".

4) Push in control knob all the way and hold in. Immediately push red button on spark igniter until pilot lights. Continue to hold the control knob in for about 1/2 minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 3) and 4).

If knob does not pop up when released, stop and immediately call your service technician or gas supplier. If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

5) Turn gas control knob counterclockwise to "ON".

6) Use rocker switch to operate main burner.

TO TURN OFF GAS APPLIANCE

1) Push in the gas control knob slightly and turn clockwise to "OFF". Do not force.

2) Turn off all electric power to the appliance if service is to be performed.

DO NOT REMOVE THIS INSTRUCTION PLATE

MAINTENANCE

FIRST FIRE

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, light the unit and leave it on for 5 minutes and let it cool down for 30 minutes. Repeat 3 or 4 times. 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 and burning off the starch in the gas logs.

The glass panel will require cleaning after the unit has cooled down. **DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT. NEVER OPERATE THE UNIT WITH THE DOOR OPEN.**

AUTOMATIC CONVECTION FAN OPERATION

The fan operates automatically, push the rocker switch on the side of the faceplate to either "HIGH" or "LOW" for fan 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.

MAINTENANCE INSTRUCTIONS

- 1) Always turn off the gas valve before cleaning. For re-lighting, 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 glass (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). Regency uses Stove Brite 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: ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CLOTHING OR OTHER FLAMMABLE 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 or with the door open.

- 7) Periodically check the pilot flames, there should be three strong blue flames approx. 1/2" long - 1 flame to the front burner, 1 to the rear burner and 1 to the thermopile. See diagrams below.

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

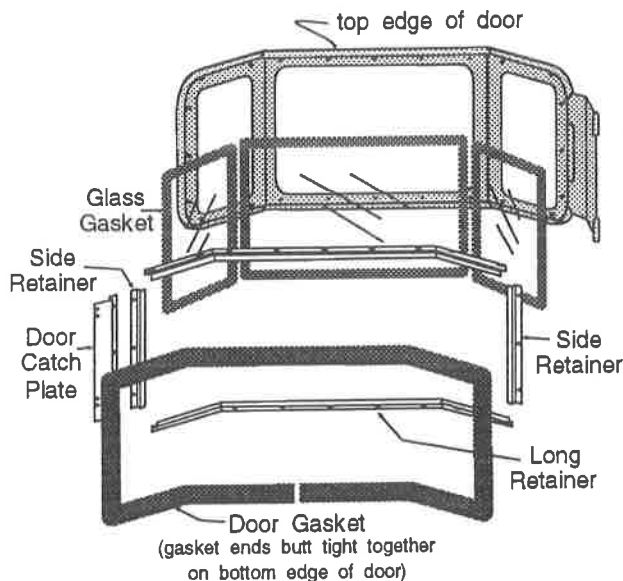
MAINTENANCE

Glass Replacement

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

Glass Removal

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

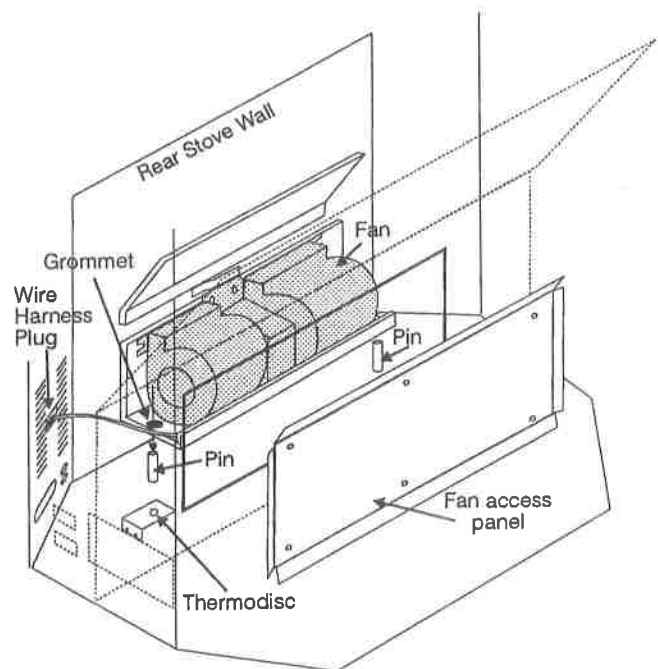


Fan Maintenance

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:

- 1) Unplug or disconnect power source to stove.
- 2) Disconnect white wire from thermodisc.
- 3) Unplug wire harness on left rear side panel (from inside the stove).
- 4) Remove all logs and the rear log supports, then remove the 6 screws holding the access panel in place.
- 5) Lift fan off of the 2 pins, tip forward and pull through firebox opening.
- 6) 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 - try to move the fan back and forth, there should be no noise, if there is check that the grommets haven't come loose.

PARTS LIST

650-915 Fan Assembly
650-920 Door Gasket
650-932 Log Set
650-934 Embers
650-950 Front Burner
650-952 Rear Burner
610-960 Valve Assembly - Natural Gas
610-962 Valve Assembly - Propane
846-325 Lg. Center Glass
846-326 Sm. Side Glass

WARRANTY

Regency Fireplace Products are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance team carefully inspects each unit thoroughly before it leaves our door. Regency Industries Ltd. is pleased to extend this warranty to the **original** purchaser of a Regency product.

HEAT EXCHANGER & COMBUSTION CHAMBER

Regency Industries Limited warrants all Heat Exchanger and Combustion Chambers to be free from defects in workmanship & material to the original purchaser for a period of 5 years from date of purchase.

Note: Discoloration and some minor movement of certain parts is normal and is not a defect and therefore not covered under warranty. Overfiring of any appliance can cause serious damage and it is the responsibility of the installer to ensure that the appliance is firing as per the rating plate.

ELECTRICAL COMPONENTS

Electrical components & valves are warranted for 1 year from purchase date.

Note: Any part or parts which in our judgement show evidence of such defects will, at our option, be re-

paired or replaced through an accredited distributor or agent, provided that the defective part(s) is shipped back PREPAID to the distributor or agent.

CONDITIONS & EXCLUSIONS

The serial # of the unit must be supplied along with the bill of sale showing date of purchase, at time of claim being submitted. This unit must be installed by a qualified installer and the gas connected by a qualified gas fitter. **Any service call related to improper installation will not be honored. The appliance must be installed according to the installation instructions provided.**

Products made by other manufacturers and used in conjunction with the operation of this appliance may nullify your warranty. Regency Industries Ltd. shall in no event be liable for any special, indirect, consequential damages of any nature whatsoever which are in excess of the original purchase price of the product.

The warranty will not extend to paint, glass, gasket, logs, burners or trim. The warranty will not extend to any part which has been tampered with or altered in any way, or in our judgement has been subjected to misuse, negligence or accident.

Complete the following information for future reference: Serial No. _____
Date Purchased _____ Model _____
Dealer's Name and Address _____