WARNING: This product must be installed by a licensed plumber or gas fitter when installed in the commonwealth of Massachusetts.

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes. A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4

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

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

IF YOU SMELL GAS:
- Do not light any appliance.
- Do not touch any electrical switch: do not use any phone in your building.
- Immediately call gas supplier from a neighbors phone. Follow the gas supplier 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.

This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

WARNING

HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.
CONGRATULATIONS!

We welcome you as a new owner of a Kozy Heat gas fireplace. Kozy Heat products are designed with superior components and materials and assembled by trained craftsmen who take pride in their work. The burner and valve assembly are 100% test-fired and the complete fireplace is thoroughly inspected before packaging to ensure that you receive a quality product. Our commitment to quality and customer satisfaction have remained the same for over 30 years. We offer a complete line of gas and wood fireplaces, unique cabinets and stylish accessories to compliment any décor. Adding a fireplace is one of the best ways to increase the value of your home and we are proud to offer a network of dealers throughout the country to help make your experience everything you imagine. We pride ourselves in being dedicated to not only function and reliability, but customer safety as well. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your Kozy Heat gas fireplace.

Jim Hussong
President

Dudley Hussong
Board Chairman

---

Homeowner Reference Information

We recommend that you record the following information about your fireplace.

Model Name:______________________________  Date purchased/installed:___________________________

Serial Number:____________________________  Location on fireplace:

Dealership purchased from:__________________  Dealer Phone:__________________________________

Notes:__________________________________________________________________________________
                                                                                           
                                                                                           
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This fireplace has been tested to and complies with ANSI Z21.88a-2007-CSA 2.33a-2007-M02 “VENTED GAS FIREPLACE HEATERS” by OMNI-Test Laboratories, Portland, OR. Installation must conform with local building codes or in the absence of local building codes, with the National Fuel Gas Code, ANSIZ223.1/NFPA 54 - Current Edition, or the Natural or Propane Installation Code, CSAI49.1

- Installation and repair should be done only by a qualified service person. The appliance should be inspected by a qualified service person before use. Annual inspection by a qualified service person is required to maintain warranty. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.

- This fireplace insert is to be installed into a solid fuel masonry or factory built non-combustible fireplace that has been installed in accordance with the National, Provincial, State and local building codes.

- Children and adults should be alerted to the hazards of high surface temperatures 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. Toddlers, young children and others susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.

- Clothing or other flammable material should not be place on or near the appliance.

- Adequate accessibility clearances for servicing and proper operation must be maintained.

- This appliance must not share or be connected to a chimney flue serving any other appliance.

- Keep area around the appliance clear of combustible materials, gasoline and other flammable vapor and liquids.

- The flow of combustion and ventilation air must not be obstructed.

- Due to high temperatures the appliance should be located out of traffic and away from furniture and draperies.

- The glass front or any part removed for servicing the appliance must be replaced prior to operating the appliance. Work should be done by a qualified service technician.

- Clean glass only when cool and only with non-abrasive cleansers.

- Do not operate this appliance with the glass/frame assembly removed, cracked or broken. The glass assembly, Part #700-01T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc. Replacement of glass assembly must only be performed by a licensed or qualified service person. DO NOT SUBSTITUTE MATERIALS.

- Do not strike or slam glass assembly.

- Any safety screen or guard removed for servicing the appliance must be replaced prior to operating the appliance.

- Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.

- Keep burner and control compartment clean.

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

- Do not operate without refractory brick lining installed.
### FEATURES

#### STANDARD FEATURES
- High efficiency
- High quality lifetime glass
  21” x 35” (533mm x 889mm)
- Quick latch glass frame assembly
- Co-linear vent system - (manifold)
- Seasonal heat dump baffle
- Patented burner system and log design
- High - Low regulator
- *Automatic fan kit (2) - 75 CFM
- Refractory brick lining
- Minnesota Energy Code compliant to 50 pascals
  * Model #911XXL only

#### OPTIONAL FEATURES
- Co-linear vent system
- Co-axial vent system
- Grills (required) – several styles/finishes
- Arched valance brass or chrome trim
- Rectangular valance (replaces arched valance)
- Valance Screen
- On-off remote control or thermostatic remote control
- Wall mount thermostat / wireless wall mount thermostat
- Decorative screen doors in various styles and finishes
- Decorative full door shrouds in various styles and finishes
- 3 pc. or 4 pc. shrouds (Masonry or ZC style)
- Shroud trim in various finishes
- Custom shrouds (Masonry or ZC style)

#### SAFETY FEATURES
- Each unit factory tested!
- Tested by OMNI - Test Laboratories
- Sealed combustion chamber with standing pilot ignition
- Removable millivolt board with 30-second delay pilot
- Automatic pressure relief glass system
- Requires no electricity to operate (excluding fan)
- Bedroom and mobile home approved

#### WEIGHT
- Fireplace Weight (as packaged for shipment)
  167 lbs. (75.75kg)
For all sidewall 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 (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:

**INSTALLATION OF CARBON MONOXIDE DETECTORS**

At time of installation of side wall horizontally vented gas fueled equipment, the installing plumber or gas-fitter 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 gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector 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.

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

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.

**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.

**SIGNAGE**

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum 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 no less the one-half inch (1/2) in size, “GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS”.

**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.

**EXEMPTIONS**

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

**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:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

**MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED**

When the manufacturer of Product Approved side wall horizontally vented gas 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:

- The referenced “special venting systems” instructions shall be included with the appliance or equipment installation instructions and;
- 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.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.
WARNING: FAILURE TO POSITION PARTS IN ACCORDANCE WITH THESE DIAGRAMS OR FAILURE TO USE ONLY PARTS SPECIFICALLY APPROVED WITH THIS APPLIANCE MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY.

1. Fireplace insert
2. Spring-loaded latch glass frame assembly
3. Millivolt board with burner cover
4. Log set (see page 22)
5. *150 CFM fan kit
6. Co-linear air duct
   *911XXL only

MINIMUM CLEARANCES TO COMBUSTIBLES
- Insert glass to sidewall: 4-1/2” (114mm)
- Insert top to 10 (254mm) mantel: 16” (406mm)
PLACEMENT CLEARANCE REQUIREMENTS

- This fireplace must be installed on a level surface capable of supporting the fireplace and venting.
- This fireplace insert is to be installed into a solid fuel masonry or factory built non-combustible fireplace that has been installed in accordance with the National, Provincial, State and local building codes.
- Due to high surface temperatures, fireplace should be located out of traffic and away from furniture and draperies.
- This fireplace may be installed in a bedroom.
- Please be aware of the large amount of heat this fireplace will produce when determining a location.

SPECIFICATIONS

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ADDITIONAL COMPONENTS REQUIRED

Vent System: Part #815-CL: For use with minimum 6” x 8” I.D. masonry or 8” I.D. Class A metal chimneys - Includes 12ft. (3.66m) compressed, expandable to 25ft. (7.62m) co-linear 3” x 4” flexible chimney, and termination cap.

Part #510: Used in conjunction with #815-CL to extend termination up to a maximum of 40ft. (12.19m).

Other approved venting: Selkirk

Shrouds - 3 pc & 4 pc.: Standard shrouds are available for this insert and will fit most applications. Custom shrouds may be ordered on a non-returnable basis. When ordering a custom shroud, please specify existing fireplace front opening height and width. Grill set (required) in various finishes purchased separately.

or

Blank Shrouds - 3 & 4 pc.: Blank shrouds are available for on-site custom fit applications and are sized to the opening after the insert has been installed. The interior perimeter is properly sized to fit onto the insert. The outer perimeter must be cut, formed and finished (painted). Grill set (required) in various finishes purchased separately.

or

Full Door Shrouds: Full door decorative shrouds are available for this insert and are used in place of a standard or blank shroud.
EXISTING FIREPLACE SPECIFICATIONS

THIS INSERT IS APPROVED FOR INSTALLATION IN MASONRY AND FACTORY-BUILT SOLID FUEL BURNING FIREPLACES.

EXISTING FIREPLACE REQUIREMENTS

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

A gas line must be able to be installed to insert.

Provisions made to provide electrical power to operate insert fan and thermostatic control (if used).

Any chimney clean-outs must fit properly.

Existing Chimney must be comprised of one of the following: Factory built chimney: 8" (203mm) minimum inside diameter.

Masonry Chimney: 6" x 8" minimum inside diameter.

Existing Chimney Height:  
Minimum: 11ft. (3.35m)  
Maximum: 40ft. (12.19m)

NOTE: It is helpful to have two people complete next step in determining chimney height.

Determine length of your existing chimney:

1. Remove and discard existing chimney cap.

2. Measure from fireplace base to top of chimney.

Subtract 24" (610mm).

This is total length of co-linear flexible aluminum required.

MEASUREMENT FROM FIREPLACE BASE TO TOP OF CHIMNEY:

LESS 24" (610mm) (HEIGHT OF INSERT): ______________________  
TOTAL CHIMNEY LENGTH REQUIRED: ______________________

CAUTION: This appliance must not be connected to or joined with any other chimney flue serving another appliance.

EXISTING FIREPLACE MINIMUM OPENING REQUIREMENTS

Figure 8a

(A) Height: .................................................. 28" (711mm)
(B) Front Width: ........................................... 38-1/2" (978mm)
(C) Depth: ................................................... 16-1/2" (419mm)
(D) Back Width: ............................................ 26-3/4" (697mm)

All dimensions are minimum requirements
Any removed parts must be capable of reinstallation if this insert is ever removed (removal of rivets or screws is acceptable). The refractory, glass doors, screen rails, screen mesh and log grates may be removed from existing fireplace before installing this gas fireplace insert. Any smoke shelves, shields and baffles may be removed if attached by mechanical fasteners. If necessary, remove firebrick to obtain at least minimum opening requirements. The fireplace flue damper can be fully blocked open or removed for installation of this gas fireplace insert. Remove existing chimney cap. Clean chimney and inside of fireplace to prevent creosote smell from entering the home.

Place ‘THIS UNIT HAS BEEN MODIFIED’ label at bottom of existing firebox so it will be visible if this gas fireplace insert is removed. Cutting of any sheet metal parts is prohibited, except the metal floor. If metal floor is removed, the insert must be placed directly on metal base of metal fireplace. Run any necessary electrical wiring to insert.

**WARNING: DO NOT OPERATE THIS FIREPLACE WITH GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF GLASS ASSEMBLY, #700-01T SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.**

**WARNING: DO NOT REMOVE GLASS ASSEMBLY WHEN HOT!**

### PREPARE EXISTING FIREPLACE

1. Locate spring-loaded handles securing glass frame assembly at bottom of firebox.
2. Pull bottom handles out and ‘down’ to release glass frame assembly bottom.
3. Pull bottom of glass frame assembly out and lift up off tabs at top of firebox.

### INSTALL GLASS FRAME ASSEMBLY

A. Place glass frame assembly top over tabs at top of firebox.

B. Pull bottom handles out and ‘up’ to secure glass frame assembly bottom.

---

**Figure 9a**
FAN DIRECT WIRE INSTALLATION

DIRECT WIRE CONNECTION MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN.

911XXL: This fireplace insert comes complete with a fan and thermostatic control switch already installed. A speed control, receptacle, and fan cord have been installed, wired and mounted in a removable electrical box panel on right side of fireplace. If wiring to pre-installed electrical box is desired, wiring should be run prior to permanently setting insert in place and connecting vent system.

911XXL-RAD: A speed control, receptacle, and fan cord have been installed, wired and mounted in an electrical box panel included with fan kit. If hardwiring to electrical box is desired, wiring should be run prior to permanently setting insert in place and connecting vent system.

NOTE: If wiring to pre-installed electrical box is desired, wiring should be run prior to permanently setting insert in place and connecting vent system.

If this fireplace insert is being installed in minimum opening dimensions, wiring may need to be completed after fireplace insert is set in place.

WARNING: This appliance is equipped with a three-prong (grounding) plug for protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove grounding prong from this plug. Do not allow any excess fan cord to touch fireplace.

NOTE: Code approved line voltage wiring 14 gauge or better must be used when wiring this assembly. Refer to local electrical codes for specific requirements in your area.

DIRECT WIRE INSTALLATION: The cord must be removed and wiring disassembled. Insert 110V-120V wiring (with ground) through romex connector and wire to box cover assembly, matching black, white & green (ground) wires to corresponding wires on electrical box cover assembly.

NOTE: If wiring to pre-installed electrical box is desired, wiring should be run prior to permanently setting insert in place and connecting vent system.

If this fireplace insert is being installed in minimum opening dimensions, wiring may need to be completed after fireplace insert is set in place.

NOTE: A mounting stud has been provided on right side of fireplace to reposition speed control / receptacle assembly if desired.

Refer to page 17 for instructions on completing fan wiring after insert has been installed.

This appliance, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Codes, CSA C22.1
If desired, a thermostat (wireless style also available), wall switch, or remote control assembly may be used to turn fireplace OFF and ON. Only ONE of these may be installed. Follow instructions included with chosen assembly.

**NOTE:** INSTALLATION OF THERMOSTAT OR WALL SWITCH SHOULD BE PERFORMED BY A QUALIFIED INSTALLER.

**CAUTION:** DO NOT CONNECT HIGH VOLTAGE (115V) WIRE TO GAS VALVE!

---

**WALL SWITCH / THERMOSTAT:**

Run low-voltage (thermostat) wires from terminals on gas valve to desired location of wall switch or thermostat.

Attach appropriate connectors to wall switch / thermostat wires and connect to top and bottom terminals marked TH/TPTH on gas valve.

**REMOTE CONTROL:**

Follow instructions included with remote control.

---

**IMPORTANT:** If ON/OFF rocker switch wires are not disconnected, the ON/OFF rocker switch on millivolt board must be in OFF position for proper operation of any of these components.

**IMPORTANT:** If rocker switch is ON, fireplace burner will operate until it is turned OFF by rocker switch. A wall switch, thermostat, or remote control will not turn fireplace OFF when it has been turned ON by the rocker switch. Fireplace must be turned ON and OFF by same method.

Example: If fireplace is turned ON by remote control, it must be turned OFF by remote control.

**IMPORTANT:** The insulated cover included with remote control must be placed over remote receiver to prevent overheating.
GAS LINE CONNECTION

#911XXL-RAD owners: If installing optional fan kit #XXL-028, please do so now before connecting gas line.

GAS CONVERSION

This fireplace is manufactured for use with Natural Gas. An LP conversion kit is included with this fireplace. Follow instructions included with conversion kit if converting to LP gas.

ATTENTION: The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.

CAUTION: Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1.

Commonwealth of Massachusetts: Installation must be done by a licensed plumber or gas fitter.

NOTE: A listed (and Commonwealth of Massachusetts approved) 12" (305mm) T-handle manual shut-off valve and flexible gas connector (included) are connected to the 1/2" (13mm) control valve inlet. If substituting for these components, please consult local codes for compliance.

NOTE: This fireplace is equipped with a 3/8" (10mm) x 18" (457mm) long flexible gas connector and manual shut-off valve. The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect.

NOTE: The appliance and its individual shutoff valve must be disconnected from gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.

NOTE: 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 line at test pressures equal to or less than ½ psi (3.5 kPa).

NOTE: For high altitude installations, consult local gas distributor or authority having jurisdiction for proper rating methods.

IMPORTANT: The efficiency rating of this appliance is a product of thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

NOTE: If installing this insert into minimum opening dimensions, the gas line may need to be run after placement due to space limitations.

If installing this gas fireplace insert into a factory-built fireplace and the factory-built fireplace has no access hole provided, an access hole of 1 ½" (38 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.

IMPORTANT: Do not run gas line in a manner that would obstruct fan operation

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### 911XXL / 91XXL-RAD

<table>
<thead>
<tr>
<th></th>
<th>NATURAL GAS</th>
<th>LP GAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIMUM INLET GAS PRESSURE</td>
<td>5.0 inches W.C. (7.0 W.C. recommended)</td>
<td>11.0 inches W.C. (recommended)</td>
</tr>
<tr>
<td>MAXIMUM INLET GAS PRESSURE</td>
<td>10.5 inches W.C.</td>
<td>13.0 inches W.C.</td>
</tr>
<tr>
<td>MANIFOLD PRESSURE (HI)</td>
<td>3.5 inches W.C.</td>
<td>10.0 inches W.C.</td>
</tr>
<tr>
<td>MANIFOLD PRESSURE (LO)</td>
<td>1.7 inches W.C.</td>
<td>6.5 inches W.C.</td>
</tr>
<tr>
<td>ORIFICE SIZE</td>
<td>#30</td>
<td>#47</td>
</tr>
<tr>
<td>INPUT BTU/hr.</td>
<td>42,000</td>
<td>42,000</td>
</tr>
<tr>
<td>MINIMUM INPUT BTU/hr.</td>
<td>29,500</td>
<td>30,000</td>
</tr>
</tbody>
</table>

IMPORTANT: For high altitude installations, consult local gas distributor or authority having jurisdiction for proper rating methods.
IMPORTANT: All steps as outlined in ‘PREPARE EXISTING FIREPLACE’ must be completed before continuing with this installation.

APPROVED VENTING

Kozy Heat #815-CL Co-Linear Vent System. Follow instructions on following pages.

Selkirk

Follow instructions included from vent pipe manufacturer as well as venting requirements as outlined in this installation manual.

AIR DUCT REMOVAL

Remove air duct by lifting up and off top of insert. Follow instructions below and on following pages for vent system attachment to air duct.

RESTRICTOR INSTALLATION

Each installation is unique and affected by various factors including venting configuration, altitude and climate. Therefore, after fireplace insert installation is complete, a restrictor may be required or may need to be removed or modified.

Page 29 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

IMPORTANT: Do not install if venting configuration is at minimum requirements.

Large Restrictor

Remove tab(s) to create small restrictor

Bend tabs to approx. 80 degree angles to create tension to hold itself in place when installed.

Slide restrictor into exhaust pipe with tabs pointing toward you.
A. Carefully extend 3” combustion intake and 4” exhaust pipes (and extension kit if used) to equal total chimney length required.

B. If using ‘Full Connection’ method:
   1. Slide 3” intake pipe (end without collar) over collar on termination cap. Secure with 3 self-tapping screws (provided).
   2. Place bead of sealant around inner edge of 4” exhaust pipe (end without collar) and slide onto corresponding collar on termination cap. Secure with 3 self-tapping screws (provided). Apply additional sealant around joint to ensure a seal.

C. If an extension kit is being used, it must be connected as follows:

   Exhaust extension: Apply a liberal bead of sealant around exhaust adaptor (male) extension pipe and slide into female connector on end of 4” exhaust pipe already attached to the chimney termination plates. Secure with 3 self-tapping screws, (provided). To ensure an air-tight seal, additional sealant should be applied at the point of connection.

   Combustion intake extension: Apply a liberal bead of sealant (provided) around male end of extension kit and slide into female end of 3” combustion intake pipe attached to chimney termination plates. Secure with 3 self-tapping screws (provided). To ensure an air-tight seal, additional sealant should be applied at point of connection.
RUN VENTING THROUGH EXISTING CHIMNEY

We strongly suggest wrapping first 3 ft. (914 mm) of vent system below termination cap with non-faced fiberglass insulation (secure with wire) before running it through existing chimney. This will prevent cold air from coming down existing chimney.

NOTE: If offsets are present in existing chimney, it may be easier to place a weighted rope around the end of each pipe to guide them through it. DO NOT ATTEMPT TO TIE ONE ROPE AROUND BOTH PIPES.

1. Guide rope, if used, and flexible pipe(s) down existing chimney. See illustration at lower left.

2. To secure chimney termination cap to existing chimney, apply a liberal bead of sealant (provided) around top of existing chimney. Set termination cap into position as instructed in installation manual included with chosen vent system.

3. From inside existing fireplace opening, CAREFULLY pull ropes down until 4" exhaust pipe and 3" combustion air intake (if using ‘full connection method’), are into existing fireplace.

STUB VENTING: From inside existing fireplace, insert a minimum 4 ft. (1.22 m) section of combustion air pipe (end without collar) past damper opening and into existing fireplace. See illustration at lower right.

We strongly suggested placing non-faced fiberglass insulation between vent pipes and existing chimney to prevent heat loss up chimney, being careful not to block end pipe if using stub method.
CONNECT VENT SYSTEM TO AIR DUCT

1. Place air duct (previously removed from insert top, page 13) into existing fireplace opening.

2. Place a bead of sealant (provided) around 4” exhaust pipe. Slide exhaust pipe inside 4” collar air duct. Secure with (3) ½” self-tapping screws, provided. Apply additional sealant around joint to ensure an air-tight seal.

3. Apply a liberal bead of sealant (provided) around 3” collar on the air duct. Slide 3” combustion intake pipe over the collar. Secure with (3) ½” self-tapping screws, provided. To ensure an air-tight seal, apply additional sealant around joint.

ATTACH AIR DUCT TO INSERT

1. Slide insert into fireplace opening.

2. If necessary, level insert by threading leveling bolts (included in components packet) into nuts mounted inside lower air passage.

3. Attach air duct to insert by aligning two holes in insert top to studs on each side of 4” exhaust duct, and four holes at back of insert to mounting studs at lower end of air duct.

NOTE: To prevent rattling noises that may occur during fan operation, position air duct back and sides on the OUTSIDE of insert bottom flanges.

IMPORTANT: Before completing steps 4 & 5, ensure air duct gasket is properly seated.

4. Locate baffle with seasonal heat dump inside firebox, noting (2) access holes on each side of heat dump. Using a 7/16” nut driver, secure air duct to insert through access holes with (2) 1/4” nuts.

5. Using a 7/16” wrench, secure lower end of air duct to insert firebox with (4) 1/4” nuts.
COMPLETE FAN WIRING INSTALLATION

#911XXL-RAD with optional fan kit #XXL-028

1. If not previously done, turn gas valve and manual shut off valve to OFF. Disconnect gas line from manual shut off valve.

2. Remove glass frame assembly. Refer to page 9.

3. Slide left, then right fan through lower grill opening (right side of gas valve), positioning onto corresponding mounting studs on fireplace floor. Secure with nuts, included.

4. Connect flexible gas line to manual shut off valve. Turn manual shut off valve to ON.

**CAUTION: CHECK CONNECTION FOR LEAKS.**

#911XXL & #911XXL-RAD (#600-083C Speed Control / Receptacle assy. w/ power cord available for #911XXL-RAD models).

1. Secure electrical access panel to side of fireplace.

2. Place thermostatic control switch on bottom of firebox.

3. Plug power cord into electrical box receptacle.

4. Turn speed control counter-clockwise until it ‘clicks’. This is the OFF position.

5. Turn speed control ‘ON’ by turning knob clockwise past the ‘click’ - this is the highest setting.

**NOTE:** This appliance must be electrically grounded and connected in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 Current Edition, or the Canadian Electrical Code CSA C22.1.

**NOTE:** This fan will not operate until speed control turns ON and sufficient heat has been applied to temperature control switch. The fan will turn ON and OFF automatically as fireplace heats and cools. Adjust fan to desired speed while it is running.

TEMPERATURE CONTROL SWITCH POSITION

Before adjusting temperature control switch, unplug 3-prong plug on fan cord from receptacle. Adjust position of temperature control switch to a warmer location under firebox to turn fan ON sooner or move it to a cooler location under firebox to turn fan ON later. The fan will turn on when sensor in temperature control switch reaches 110° F and will turn OFF when sensor reaches 90° F. After adjustment, plug 3-prong plug on fan cord into receptacle.

**ELECTRICAL WARNING:** Do not allow millivolt board components (wires, flexlines, etc.) to come in contact with fan assembly components.
CONTROL BOARD REMOVAL

CAUTION: If burner and/or pilot have been burning, use appropriate protection to avoid burns or personal property damage before removing any components.

1. **911XL / 911XL-RAD:** Turn gas control knob to OFF.
   
   **911XL-IPI:** Use remote to turn fireplace off.
2. Shut off gas supply at manual shut-off valve.
3. Disconnect gas line flex tube from manual shut-off valve.
4. **911XL / 911XL-RAD:** Disconnect any wall switch, remote control, or thermostat wires from TH / THTP terminals on gas valve.
   
   **911XL-IPI:** Unplug all components from electrical outlet, disconnect all wiring harnesses attached to gas valve.
6. Remove logs.
7. Remove nuts securing burner assembly. Remove burner assembly from firebox.
8. Remove burner heat shield.
9. Remove (8) nuts securing control board. Lift board up and out of firebox.

CONTROL BOARD INSTALLATION

WARNING: DO NOT OPERATE THIS FIREPLACE WITHOUT SEALING GASKET (LOCATED UNDER CONTROL BOARD) IN PLACE.

1. Place control board in firebox, aligning holes in control board with mounting studs in firebox bottom. Ensure sealing gasket in in place on firebox bottom!

   CAUTION: Before securing, check that all wires are clear and unobstructed. Do not allow any wires or gas flex line to come in contact with fan terminals.

   Secure control board to firebox bottom with (8) 1/4” nuts. Place burner heat shield over control board (flanges facing down).
2. Install burner assembly; burner tube is positioned over burner orifice, and alignment slots are place over mounting studs on control board. Secure with 1/4” nuts.
3. Install pilot shield around pilot assembly.
5. **911XL / 911XL-RAD:** Connect any wall switch, remote control or thermostat wires to terminals on valve marked TH / THTP.
   
   **911XL-IPI:** Reconnect all wiring harnesses to gas valve. Plug components into electrical outlet.
8. Verify proper log placement, operation of insert and any electrical components.

CAUTION: CHECK ALL CONNECTIONS FOR LEAKS, WHETHER FIELD OR FACTORY MADE.
Shroud assembly includes:

- (1) Shroud top
- (8) Phillips head screws
- (1) Shroud left side
- (2) Shroud extensions
- (1) Shroud right side with on/off rocker switch mounting hole

You will need the following items from insert components packet: Rocker Switch Wires and On/Off Rocker Switch.
You will also need a grill set (sold separately).

1. Remove nuts from upper grill. Place grill rods through holes in shroud top section. Secure with nuts. If necessary, recess upper grill by re-positioning in one of three mounting holes.

2. Secure right and left shroud sections to top section by aligning (2) holes in side sections to holes in top section. Secure with phillips head screws (2 ea. side).

3. Snap rocker switch into place on shroud.

4. Slide one connector on each rocker switch wire to the rocker switch.

5. Attach shroud to insert by placing tabs on left and right shroud pieces into slots in insert. The shroud will set into place.

6. Slide remaining connectors on rocker switch wires to terminals on gas valve marked TH and THTP.

7. Remove nuts from lower grill, insert grill bolts through lower hinges on insert. Attach and tighten nuts.
MASONRY SHROUD ASSEMBLY & INSTALLATION

Shroud assembly includes:

1. Shroud top
2. Shroud left side
3. Shroud right side with on/off rocker switch mounting hole

(8) Phillips head screws
(1) Set ‘inside fit’ brackets

You will need the following items from insert components packet: Rocker switch wires and On/Off Rocker
You will also need upper grill from grill set (sold separately).

1. Remove nuts from upper grill. Place grill rods through holes in shroud top section. Secure with nuts.
2. Secure right and left shroud sections to top section by aligning holes in side sections to holes in top section. Secure from bottom with screws provided (2 ea. side).
3. Snap rocker switch into place on shroud. Slide one connector on each rocker switch wire to the rocker switch.

OUTSIDE FIT APPLICATIONS:

1. Attach shroud to insert by inserting tabs (A) on left and right shroud sections to holes (B) in insert face. The shroud will set down into place.
2. Slide remaining connectors on rocker switch wires to top and bottom terminals marked TH and THTP on gas valve.
3. Remove nuts from lower grill, insert grill bolts through lower hinges on insert. Attach and tighten nuts.

ATTACH SHROUD

INSIDE FIT APPLICATIONS: (You will require ‘inside fit’ brackets included with shroud assembly).

1. Remove glass frame assembly. Refer to page 9 if necessary.
2. Referring to illustration at right, use a tin snips to remove lower end of (4) mounting tabs on shroud side sections.
1. Align holes in mounting brackets to corresponding holes in insert face, making sure brackets are positioned as shown in Figure 21a. Secure with screws provided (Figure 21b).

2. Position tabs (lower end previously removed) on shroud into slots in insert face, aligning oblong holes on inside flange of shroud side sections to holes in mounting brackets. Secure with (4) screws (C), 2 each side. Figure 21c.

3. Slide remaining connectors on rocker switch wires to terminals on gas valve marked TH / THTP.

4. Remove nuts from lower grill, insert grill bolts through lower hinges on insert. Attach and tighten nuts. Figure 21d.

**OPTIONAL MASONRY PANEL INSTALLATIONS:**

1. Remove screws (A) (2 ea. side) securing masonry panels. Figure 21b.

2. Align holes in mounting brackets to corresponding holes in insert face & masonry panels, making sure brackets are positioned as shown in Figure 21b. Secure with screws removed in step1 and included in shroud components packet.

3. Position tabs (lower end previously removed) on shroud into slots in insert face, aligning oblong holes on inside flange of shroud side sections to holes in mounting brackets. Secure with (4) screws (C), 2 each side. Figure 21c.

4. Slide remaining connectors on rocker switch wires to terminals on gas valve marked TH / THTP.

5. Remove nuts from lower grill, insert grill bolts through lower hinges on insert. Attach and tighten nuts. Figure 21d.

**IMPORTANT: CHECK ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE, FOR LEAKS.**
ATTENTION: If converting to LP (propane) gas, do so now before installing log set. Follow instructions included with conversion kit.

NOTE: Log numbers are marked on bottom of each log. Refer to following instructions and illustrations for proper placement.

CAUTION: Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.

Position left and right bottom refractory panels onto front of burner cover.
Align notches in bottom of S421 log to brackets in center of burner.
Align holes in bottoms of BB, BC, S423 & S424 to mounting studs, setting down into position.

Position BL, AP1 and X5 logs over base logs.
Use a steel or stiff bristle nylon brush to distribute Rock Wool Embers onto logs and burner.
FOR YOUR SAFETY - READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

DUE TO HIGH SURFACE TEMPERATURES, KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

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

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

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

3. 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, do not try to repair it, call a qualified service technician. Forced or attempted repair may result in a fire or explosion, and loss of warranty.

4. 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 which has been under water.

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 touch any electrical switches
* Do not try to light any appliance
* Do not use the phone in your building
* Immediately call your gas supplier from a neighbor’s phone
* Follow the gas supplier’s instructions
* If you cannot reach your gas supplier, call the fire department

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES 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 MUST NOT BE PLACED ON OR NEAR THE APPLIANCE.

NOTE: A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. IT IS RECOMMENDED TO LEAVE THE FAN OFF DURING THIS PERIOD TO HELP SPEED THE PAINT CURING PROCESS.

NOTE: THIS FIREPLACE MAY PRODUCE NOISES OF VARYING DEGREE AS IT HEATS AND COOLS DUE TO METAL EXPANSION AND CONTRACTION. THIS IS NORMAL AND DOES NOT AFFECT FIREPLACE PERFORMANCE OR LONGEVITY.
1. Set thermostat to the lowest setting, if installed.

2. Turn off all electrical power to the appliance. (Fan).

3. Open lower grill to access the gas valve & controls.

A. Push gas control knob in slightly and turn clockwise to OFF. Wait five (5) minutes to allow any gas that may have accumulated inside firebox to escape. If you then smell gas, STOP! Follow safety information on front cover and previous page of this installation manual. If you don’t smell gas, go to next step.

B. Locate pilot - follow metal tube from gas control. (Located inside combustion chamber).

C. Push gas valve control knob in slightly and turn counterclockwise to PILOT. Push valve knob in and hold while repeatedly pressing piezo igniter button until pilot is lit while continuing to hold in gas control knob.

D. Hold gas control knob in for one (1) minute after pilot is lit. Release gas control knob. If pilot goes out, repeat steps C-D. When pilot is lit, proceed to step E.

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

E. Push gas control knob in slightly and turn counterclockwise to ON. The burner can now be turned ON by depressing ON/OFF rocker switch located beside valve or wall switch, OR by setting thermostat or remote control to desired setting.

F. Turn on all electric power to appliance (if applicable).

NOTE: When fireplace is initially lit, condensation will appear on the glass; this is normal in all gas fireplaces and will disappear after several minutes.
LIGHTING AND SHUTDOWN (cont.)

TURN BURNER OFF

G. To turn burner OFF, depress ON/OFF rocker switch to OFF, flip off wall switch or adjust setting on thermostat or remote control.

NOTE: The pilot will stay lit.

TURN PILOT OFF

H. Turn pilot off by pushing in and turning gas control knob to OFF. DO NOT FORCE.

NOTE: This control valve has an interlock device. If pilot has been turned off, it cannot be relit until thermocouple has cooled, (approximately 60 seconds).

ADJUSTING FLAME HEIGHT

The gas control valve has a HI / LO flame adjustment knob designed to allow you to tailor the look and heat output of your fireplace. Adjust by turning middle knob on gas control valve.
PRESSURE TESTING

IMPORTANT NOTICE: Pressure check taps for manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked OUT measures outgoing pressure and pressure tap marked IN measures incoming pressure. Follow instructions below for proper testing procedures.

NOTE: The appliance and its individual shutoff valve must be disconnected from gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.

NOTE: 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 line at test pressures equal to or less than ½ psi (3.5 kPa).

INLET PRESSURE TEST:

1. Loosen inlet (IN) pressure tap screw (counter-clockwise).
2. Attach manometer using a 5/16" I.D. hose.
3. Light pilot.
4. Turn gas control knob to ON (burner should not light). Note manometer reading.
5. Press rocker switch to ON. Check pressure to ensure it stays near maximum inlet pressure.
6. Press rocker switch to OFF.
7. Turn gas control knob to OFF.
8. Disconnect hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
9. Relight pilot and turn gas control knob to ON. Reattach manometer to inlet pressure tap to verify it is completely sealed. Manometer should read no pressure.

NOTE: If inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust the incoming gas pressure.

MANIFOLD PRESSURE TEST:

1. Light pilot.
2. Loosen manifold (OUT) pressure tap screw (counter-clockwise).
3. Attach manometer to pressure tap using a 5/16" I.D. hose.
4. Turn gas control knob to ON.
5. Press rocker switch to ON and note manometer reading.
6. Press rocker switch to OFF.
7. Disconnect manometer hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
8. Attach manometer to manifold pressure tap to verify it is completely sealed. Manometer should read no pressure when rocker switch is pressed to ON.

CAUTION: A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION.
**FINALIZING THE INSTALLATION**

**FLAME APPEARANCE:**

Flame appearance is affected by several factors including altitude, venting configuration and fuel quality. Although the venturi setting has been factory set, adjustments may be necessary for optimal performance and visual aesthetics.

When fireplace is first lit, the flames will be blue. Flames will gradually turn yellowish--orange during first 15 minutes of operation. If flames remain blue, or become dark orange with evidence of sooting (black tips), the burner tube venturi may need adjustment.

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**WARNING: BURNER TUBE ADJUSTABLE VENTURI POSITIONING SHOULD ONLY BE PERFORMED BY A QUALIFIED PROFESSIONAL SERVICE TECHNICIAN.**

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**FACTORY SET BURNER TUBE VENTURI SETTINGS (ADJUST AS NECESSARY FOR YOUR INSTALLATION)**

<table>
<thead>
<tr>
<th>NATURAL GAS</th>
<th>LP (PROPANE) GAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16” (5mm) open</td>
<td>1/2” (13mm) open</td>
</tr>
</tbody>
</table>

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**BURNER TUBE VENTURI ADJUSTMENT GUIDELINES**

<table>
<thead>
<tr>
<th>VENTURI POSITION</th>
<th>FLAME COLOR</th>
<th>VENTURI ADJUSTMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closed too far</td>
<td>Dark orange flame with black tips</td>
<td>Open venturi setting slightly</td>
</tr>
<tr>
<td>Open too far</td>
<td>Blue flames</td>
<td>Close venturi setting slightly</td>
</tr>
</tbody>
</table>

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**NOTE:** If soot is present, check log positioning before adjusting burner venturi. Logs must not block burner ports.

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**IMPORTANT: SLIGHT ADJUSTMENTS TO BURNER VENTURI OPENING CREATE DRAMATIC RESULTS. ADJUST AT SLIGHT INCREMENTS UNTIL DESIRED LOOK IS ACHIEVED. ALWAYS BURN FIREPLACE FOR AT LEAST 15 MINUTES AND ALLOW TIME TO COOL BEFORE MAKING ANY FURTHER ADJUSTMENTS.**

---

**TO ADJUST VENTURI:**

1. Remove glass frame assembly. Refer to page 9.
2. Remove log set.
3. Remove burner assembly. Refer to page 18.
4. Loosen screw on burner venturi and adjust as necessary. Tighten screw.
5. Reinstall all components previously removed.
6. Light fireplace and wait 15 minutes before determining if any further adjustments are needed.
If it is determined that a restrictor is needed or restrictor modification is required after termination is installed, access can be reached through insert baffle. Please remove logs and refractory to avoid damaging these components.

1. Remove (2) nuts securing baffle. Remove baffle to expose venting.
2. Depending on your specific needs, determined by the chart above along with other factors, make necessary modifications.
3. If installation of a restrictor (included in components packet) is necessary, bend tabs on restrictor to approx. 80 degree angles to create tension when inserted into the exhaust pipe on fireplace insert. Insert restrictor into 4” exhaust pipe with tabs pointing towards you.
4. If modification is necessary, remove restrictor by pulling it down and out of 4” exhaust pipe.
5. Reinstall baffle, secure with (2) nuts previously removed.
6. Reinstall refractory and log set.
7. Attach glass frame assembly and light fireplace. Wait 15 minutes before determining if any further modifications are necessary.

**RESTRICTOR USAGE:**

Turn fireplace on and allow to burn for 15 minutes.
If flames indicate there is excessive draft (flickering, short flames), a restrictor may be necessary.
If flames indicate insufficient draft (lifting or ghosting flames), a previously installed restrictor may need to be modified or removed.

**WARNING:** TO AVOID PROPERTY DAMAGE OR PERSONAL INJURY, ALLOW FIREPLACE AMPLE TIME TO COOL BEFORE MAKING ANY ADJUSTMENTS AND / OR INSTALLATIONS.

**RESTRICTOR TROUBLESHOOTING**

<table>
<thead>
<tr>
<th>FLAME APPEARANCE</th>
<th>DRAFT PROBLEM</th>
<th>RESTRICTOR SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short, flickering</td>
<td>Excessive draft - not enough restriction</td>
<td>Add restrictor</td>
</tr>
<tr>
<td>Lifting or ghosting*</td>
<td>Insufficient draft - too much restriction</td>
<td>Remove inner ring (s) on restrictor or remove restrictor</td>
</tr>
</tbody>
</table>

* Improper venting installation may cause flames to lift or “ghost” - a dangerous situation. Inspect flames after installation to ensure proper performance. If determined that venting is correct, and the restrictor has been removed, yet flames are still lifting or ghosting, shut off gas supply to fireplace and call a qualified service technician.

**RESTRICTOR INSTALLATION / MODIFICATION (after termination completion):**

If it is determined that a restrictor is needed or restrictor modification is required after termination is installed, access can be reached through insert baffle. Please remove logs and refractory to avoid damaging these components.

1. Remove (2) nuts securing baffle. Remove baffle to expose venting.
2. Depending on your specific needs, determined by the chart above along with other factors, make necessary modifications.
3. If installation of a restrictor (included in components packet) is necessary, bend tabs on restrictor to approx. 80 degree angles to create tension when inserted into the exhaust pipe on fireplace insert. Insert restrictor into 4” exhaust pipe with tabs pointing towards you.
4. If modification is necessary, remove restrictor by pulling it down and out of 4” exhaust pipe.
5. Reinstall baffle, secure with (2) nuts previously removed.
6. Reinstall refractory and log set.
7. Attach glass frame assembly and light fireplace. Wait 15 minutes before determining if any further modifications are necessary.

**Figure 29a**

- Remove baffle to expose venting.
- Large
- Remove tab (s) to create small restrictor
- Bend tabs to approx. 80 degree angles to create tension to hold itself in place when installed.
SEASONAL HEAT DUMP

This fireplace insert has been manufactured with a heat dump damper located at the inside top of firebox. This allows infinite control over the amount of heat emitted into the living area without affecting flame height.

**INSTALLER:** Please install this fireplace insert with the heat dump in the closed position.

**HOMEOWNER:** This fireplace insert has been installed with the heat dump in the closed position and will operate at its peak efficiency at this setting. The heat dump may be opened as much as necessary to maintain desired heat level.

---

**CAUTION:** Do not attempt to adjust heat dump opening if fireplace has been in operation. Allow ample time to cool or use appropriate protection to avoid serious burns and/or property damage.

Remove glass frame assembly. Open or close heat dump as desired. Re-install glass frame assembly.

---

![Diagram showing heat dump in closed and partial open positions](image)

**Figure 30a**

Shown in closed position

Shown in partial open position
MAINTENANCE

The appliance is required to be inspected at least once a year by a professional service person.

The compartment below firebox (behind lower grill) must be cleaned at least once a year, more frequent cleaning may be required due to excessive lint from carpeting, bedding materials, or other fibrous materials. It is imperative that the burner be cleaned once a year.

NOTE: INSTALLATION AND REPAIR SHOULD BE DONE ONLY BY QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND ANNUALLY BY A QUALIFIED SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIALS, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

CONTROL BOARD SYSTEM

- Annual cleaning of the burner system is required.
- The burner assembly may be removed for easier access. Refer to page 18 in this installation manual for complete instruction on removing & reinstalling the burner assembly.
- Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.
- Reinstall burner assembly following instructions on page 18 of this installation manual.
- Visually check pilot light and burner when in operation. The flames should be steady, not lifting or floating.

![Figure 31a](image)

- **Pilot**
- **Burner Orifice**
- **Burner Ports**

FAN

The fan should be disconnected from electrical current, and cleaned (vacuumed) every six months. The bearings are sealed and require no oiling.

VENT SYSTEM

Annual examination of venting system by a qualified agency is required.

IF VENT-AIR INTAKE SYSTEM IS DISASSEMBLED FOR ANY REASON, RE-INSTALL PER INSTRUCTIONS PROVIDED WITH INITIAL INSTALLATION.

The flow of combustion and ventilation air must not be obstructed.

GLASS CLEANING & REPLACEMENT

- Clean glass only when cool and only with non-abrasive cleansers.
- Do not operate this fireplace with glass/frame assembly removed, cracked or broken.
- The glass assembly, part #700-01T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.
- Replacement of glass & frame assembly, part #700-01T, must only be performed by a licensed or qualified service person. DO NOT SUBSTITUTE MATERIALS.
- Do not strike or slam glass door assembly.

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

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

CAUTION: KEEP APPLIANCE AREA CLEAR OF COMBUSTIBLE MATERIALS, SUCH AS GASOLINE AND OTHER FLAMMABLE VAPORS AND LIQUIDS.
TROUBLESHOOTING

NO SPARK FROM ELECTRODE TO PILOT WHEN PIEZO BUTTON IS TRIGGERED.

A. Check wiring at back of piezo for proper connection.
B. Check wiring at electrode for proper connection.
C. Check position of electrode (1/8” (3mm) between electrode and pilot). Readjust if necessary.
D. Look for arc below electrode and along electrode wire. Direct metal contact may cause an arc below electrode.

SPARK IGNITOR WILL NOT LIGHT AFTER REPEATED TRIGGERING OF PIEZO BUTTON.

A. No gas or low gas pressure.
    ♦ Check remote shut off valves from fireplace. Usually there is a valve near the main. There may be more than (1) valve between the fireplace and the main.
    ♦ Low gas pressure can be caused by several situations such as a bent line, too narrow diameter pipe, or low line pressure. Consult with plumber or gas supplier.
B. No LP in tank.
    ♦ Check LP (propane) tank. Refill if necessary.

PILOT WILL NOT STAY LIT AFTER CAREFULLY FOLLOWING LIGHTING INSTRUCTIONS.

A. Check that pilot flame impinges on thermocouple. Clean and / or adjust pilot for maximum flame impingement.
B. Ensure the thermocouple connection at gas valve is fully inserted and tight (hand tight plus 1/4 turn).
C. Thermocouple reading below 15 millivolts.
    ♦ Disconnect thermocouple from valve, place one millivolt meter lead wire on end of thermocouple and other millivolt meter lead wire on thermocouple’s copper wire. Start pilot while holding valve knob in. If the millivolt reading is less than 15 millivolts, replace thermocouple.
D. Thermopile not generating sufficient millivolts.
    ♦ Pilot flame must be enveloping thermopile. Adjust pilot flame if necessary.
    ♦ Check thermopile wire connections at valve. Tighten if necessary.
    ♦ Check thermopile with millivolt meter. Turn remote / thermostat / wall switch or ON/OFF switch to OFF. Turn valve knob to PILOT position (pilot should remain lit). Take reading at THTP & TP terminals on gas valve. Reading should be 350 millivolts minimum. Replace thermopile if reading falls below specified minimum.

CAUTION: THE FOLLOWING MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.
# Troubleshooting

## Burner Will Not Light

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Gas control knob not turned to ON.</td>
</tr>
<tr>
<td>B</td>
<td>ON/OFF switch not turned on.</td>
</tr>
<tr>
<td>C</td>
<td>Remote, wall switch or thermostat not turned ON.</td>
</tr>
<tr>
<td>D</td>
<td>Plugged main burner orifice.</td>
</tr>
<tr>
<td>E</td>
<td>Remote, wall switch, thermostat or ON/OFF switch wires defective.</td>
</tr>
</tbody>
</table>

- ♦ Check wires for proper connections. Place jumper wires across terminal at switch. If burner lights, replace defective switch.
- ♦ If switch checks ok, place jumper wires across switch wires on gas valve. If burner lights, wires are faulty or connections are bad.

## Frequent Pilot Outages

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Pilot shield not installed.</td>
</tr>
<tr>
<td>B</td>
<td>Pilot flame too high or too low, causing pilot safety to drop out.</td>
</tr>
</tbody>
</table>

- ♦ Clean and adjust flame for maximum flame impingement on thermopile.

## Burner Won’t Stay Lit

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Thermopile wires loose at valve terminals.</td>
</tr>
</tbody>
</table>

- ♦ Tighten if necessary.
| B | Thermopile wires ground out due to pinched wires. |

- ♦ Free pinched wires if necessary.
| C | Refractory panel placement. |

- ♦ Refractory panels must be tight against firebox walls. It may be necessary to secure panels with high-temp sealant, especially around the intake duct.

MORE TROUBLESHOOTING ON FOLLOWING PAGE
TROUBLESHOOTING

PILOT AND BURNER EXTINGUISH WHILE IN OPERATION

A. No LP (propane) in tank.
   ♦ Check tank and refill if necessary.

B. Glass frame assembly not installed correctly.
   ♦ Refer to page 9 in this manual for proper glass frame assembly installment instructions.

C. Defective thermopile or thermocouple.
   ♦ Check thermopile and thermocouple for proper millivolts.

D. Improper pitch on horizontal vent.
   ♦ 1/4” (6 mm) rise per foot is required on horizontal venting.

E. Inner vent pipe leaking exhaust gases back into firebox.
   ♦ Check for leaks. Repair if necessary.

F. Improper vent cap installation.
   ♦ Check for proper vent cap installation. Maximum downward slope of horizontal vent cap is 1/4” (6 mm). Adjust if necessary.
   ♦ Check vent cap for blockage. Remove debris if necessary.

G. Excessive draft.

GLASS SOOTING

A. Improper log placement.
   ♦ Refer to log placement instructions on page 22 of this installation manual.

B. Improper venturi setting.
   ♦ Venturi may need to be opened slightly to allow more air into the gas mix.

C. Improper pitch on horizontal venting.
   ♦ 1/4” (6 mm) rise per foot is required on horizontal venting.

FLAME BURNS BLUE AND LIFTS OFF BURNER

A. Improper Venturi setting.
   ♦ Venturi may need to be closed slightly.

B. Improper vent cap installation.
   ♦ Check for proper vent cap installation.

C. Blockage or vent system leaks.
CONVERSION KIT INSTRUCTIONS

#OCK-S30A NAT GAS CONVERSION KIT
#OCK-S47A LP GAS CONVERSION KIT

WARNING: This conversion kit shall be installed by a qualified service agency in accordance with the manufacturers instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for proper installation of this kit. The installation is not proper and complete until operation of the converted appliance is checked as specified in the instructions supplied with the kit. Refer to appliance owner’s manual or product data plate for proper inlet and manifold pressure adjustments and orifice sizing.

This kit includes:
- (1) Valve Conversion Instructions
- (1) Gas Pilot Injector
- (1) Gas Conversion Label
- (1) Gas Pilot Injector #30-NAT / #47 LP
- (1) Gas Label
- (1) Pilot Orifice (BL22N-NAT / BL14LP-LP)
- (1) Pilot Conversion Instructions

WARNING: SHUT OFF GAS SUPPLY BEFORE DISCONNECTING ANY ELECTRICAL POWER.

PREPARE FIREPLACE:
1. Turn fireplace off by pushing in and turning gas control knob clockwise to OFF position.
2. Remove glass frame assembly*, logs*, and burner assembly* from fireplace insert.

CONVERT PILOT ASSEMBLY:
1. Using a 7/16” wrench, loosen and remove pilot hood by turning counter-clockwise.
2. Remove pilot orifice located inside pilot housing. Install pilot orifice included with kit.
3. Re-attach pilot hood. Tighten with wrench, making sure hood is centered between thermopile and thermocouple.

REPLACE BURNER ORIFICE:
1. Remove existing orifice cap and replace with orifice cap included with kit, making sure to tighten cap securely.

CONVERT HI/LO REGULATOR ON GAS VALVE:
1. Follow instructions included with kit to convert gas valve.

COMPLETE THE CONVERSION:
1. Adjust venturi on burner assembly to by loosening screw, adjusting cap and retightening screw.
   CORRECT SETTINGS: NAT: 3/16" (5mm) open  LP: 1/2" (13mm) open
2. Re-install burner assembly into fireplace, checking to ensure burner venturi is properly seated over burner orifice and pilot hood is above burner assembly as shown below.
3. Re-install pilot shield.
4. Re-install logs*.
5. Light pilot and turn burner on*.
6. Check for leaks at all connections, whether field or factory made.
7. Test both inlet and manifold pressures*.
   * Refer to installation manual if necessary.
**REPLACEMENT PARTS LIST**

Replacement parts are available through your local dealer. Contact them for availability and pricing.

### 911XL / 911XL-RAD MILLIVOLT BOARD AND PARTS

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXL-770</td>
<td>911XXL Millivolt Board - Nat Gas</td>
<td>700-092</td>
</tr>
<tr>
<td>XXL-771</td>
<td>911XXL Millivolt Board - LP Gas</td>
<td>700-059</td>
</tr>
<tr>
<td>700-023</td>
<td>On/Off Rocker Switch</td>
<td>700-203</td>
</tr>
<tr>
<td>700-086A</td>
<td>S.I.T. Valve - Natural Gas</td>
<td>700-213-B</td>
</tr>
<tr>
<td>700-087A</td>
<td>S.I.T. Valve - LP Gas</td>
<td>700-225-F</td>
</tr>
<tr>
<td>700-064</td>
<td>Pilot Assembly - Nat Gas</td>
<td>700-230</td>
</tr>
<tr>
<td>700-064-1</td>
<td>Pilot Assembly - LP Gas</td>
<td>700-247</td>
</tr>
<tr>
<td>700-090</td>
<td>Piezo Igniter w/ Nut (no wire)</td>
<td>OCK-S30A</td>
</tr>
<tr>
<td>700-060</td>
<td>Flexible Pilot Tubing (Valve to Pilot)</td>
<td>OCK-S47A</td>
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<td></td>
<td>XXL-035</td>
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### FAN ASSEMBLIES

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXL-028</td>
<td>Fan Kit</td>
</tr>
</tbody>
</table>

### GLASS & GLASS GASKET

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
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<tbody>
<tr>
<td>XXL-005</td>
<td>Replacement Valance - only</td>
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<tr>
<td>900-006</td>
<td>1-1/8” Glass Gasket w/ Adhesive</td>
</tr>
<tr>
<td>700-01T</td>
<td>35” x 21” Glass with Gasket</td>
</tr>
</tbody>
</table>

### REFRACTORY PANELS (Sandstone)

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>XXL-G900</td>
<td>Back / Sides Refractory Panels - 3pc.</td>
</tr>
<tr>
<td>XXL-G901</td>
<td>Bottom Refractory Panels</td>
</tr>
<tr>
<td>XXL-G900B</td>
<td>Back Refractory Panel (only)</td>
</tr>
<tr>
<td>XXL-G900S</td>
<td>Side Refractory Panel (1side only)</td>
</tr>
</tbody>
</table>

### LOG SET

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXL-500</td>
<td>8 pc. Log Set</td>
</tr>
<tr>
<td>S421</td>
<td>S421 Log</td>
</tr>
<tr>
<td>BC</td>
<td>BC Log</td>
</tr>
<tr>
<td>BB</td>
<td>BB Log</td>
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<tr>
<td>S432</td>
<td>S432 Log</td>
</tr>
<tr>
<td>S424</td>
<td>S424 Log</td>
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<td>BL</td>
<td>BL Log</td>
</tr>
<tr>
<td>X5</td>
<td>X5 Log</td>
</tr>
<tr>
<td>AP1</td>
<td>AP1 Log</td>
</tr>
<tr>
<td>900-REMB</td>
<td>Rock Wool Embers</td>
</tr>
</tbody>
</table>

*Consult your dealer for information on optional accessories available for this fireplace.*

This appliance tested & certified by:
OMNI - Test Laboratories, Inc.
13327 NE Airport Way
Portland, Oregon 97230

Manufactured by:
Hussong Mfg. Co., Inc.
204 Industrial Park Drive
Lakefield, Minnesota 56150
507-662-6641

Model #911XXL / Model #911XL-RAD

PAGE 36
LIMITED WARRANTY

KOZY HEAT
LIMITED 10 YEAR WARRANTY

Effective July 01, 2003

This Limited 10 Year Warranty will not become effective until the warranty registration form has been completed and mailed to Hussong Manufacturing Co., Inc., P.O. Box 577, Lakefield, MN 56150. This registration form must be received within 30 days of installation. Failure to do so may result in delayed warranty coverage and submission of proof of purchase will be required.

Hussong Manufacturing Co., Inc. warrants to the original purchaser of this Kozy Heat Fireplace, that it is free of defects in materials and workmanship at the time of manufacture.

Subject to the following conditions & requirements, Hussong Manufacturing Co., Inc. extends the following limited warranty under normal use and service, with respect to the Kozy Heat line of gas burning fireplaces.

YEAR 1: Subject to the conditions & requirements listed below, within the first year from date of purchase, Hussong Manufacturing Co., Inc. shall, at its discretion, replace or repair any such defect in material or workmanship, at Hussong Manufacturing Co., Inc.'s expense, including reasonable labor costs to repair or replace the defective component, if a factory pre-authorization is given for the repair.

YEARS 2 - 10: Subject to the conditions & requirements listed below, beginning with the first day of the second year and continuing through the tenth year, Hussong Manufacturing Co., Inc., will at its discretion, provide repair or replacement parts at current list prices for any defect in material or workmanship of components, including optional components and accessories (if available). Hussong Manufacturing Co., Inc. shall not be responsible for any installation, labor, transportation or other indirect costs.

LIMITATION OF LIABILITY

To make a claim under this warranty, the purchaser must first contact the dealer/installer from whom the fireplace was purchased.

This limited warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void.

This limited warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished.

This warranty is limited to defects in material and workmanship. It does not apply to any product that has been subject to negligence, misapplication, improper installation. Remote control warranties are covered by Ambient Technologies, Inc., and are excluded from this Limited Warranty.

No person is authorized to extend the time of this warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit.

It is expressly agreed and understood that this warranty is Hussong Manufacturing Co., Inc.'s sole obligation and purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. This warranty replaces all previous warranty policies.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

WARRANTY CONDITIONS & REQUIREMENTS:

1. You are the original purchaser. This warranty is not transferable.
2. Installation of the fireplace is performed by a qualified installer.
3. Installation and operation must comply with installation and operation instructions.
4. Paint and glass gaskets are covered for 30 days from date of purchase.
5. Components broken, (including glass panels), during shipping, careless handling of components, or defects resulting from improper installation, misuse of the fireplace and components are not covered under this warranty.
6. This warranty does not cover any part of the fireplace or any components which have been exposed to or submerged under water.
7. Hussong Manufacturing Co., Inc. must be notified by the dealer the fireplace was purchased from or a qualified installer or service technician of the defect.
8. Annual service of the fireplace as required in the installation manual, is performed by a qualified installer/service technician.
   (Copies of such service records may be required to claim a warranty.)
9. All previous warranty/service has been performed by a qualified installer or service technician. (Copies of such service records may be required to claim a warranty.)
LIFETIME WARRANTY

THIS LIFETIME WARRANTY COVERAGE WILL BE EXTENDED AS DESCRIBED BELOW PROVIDED ALL WARRANTY CONDITIONS AND REQUIREMENTS ARE MET AS OUTLINED IN THE 10 YEAR LIMITED WARRANTY POLICY.

LIFETIME WARRANTY COVERAGE

LIFETIME WARRANTY IS EXTENDED AS FOLLOWS: Hussong Manufacturing warrants to the original purchaser that the firebox, heat exchanger, fiber logs, burner tube and glass of this Kozy Heat fireplace will not be defective in material or workmanship under normal use and service for as long as you own this product. If any of these components fail due to defects in material or workmanship under normal use and service, Hussong Manufacturing Co., Inc. will, at its sole discretion, repair or replace the defective component. This LIFETIME WARRANTY does not cover any installation, labor, transportation or other indirect costs arising from defective components.

LIMITATION OF LIABILITY

This Lifetime warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void. This lifetime warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished. This warranty is limited to defects in material and workmanship of components specified. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

No person is authorized to extend the time of this Lifetime warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit.

Hussong Manufacturing Co., Inc. may fully discharge all obligations with respect to this Lifetime warranty by refunding the wholesale price of the defective component(s).

It is expressly agreed and understood that this Lifetime warranty is Hussong Manufacturing Co., Inc.'s sole obligation and original purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever other than those incurred by Hussong Manufacturing Co., Inc. to repair or replace the defective component. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. This lifetime warranty replaces all previous lifetime warranty policies.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

JUNE 1998

TO ACTIVATE THIS LIFETIME WARRANTY COVERAGE, THIS REGISTRATION CARD MUST BE COMPLETED AND MAILED WITH YOUR COMPLETED 10 YEAR LIMITED WARRANTY FORM WITHIN 30 DAYS OF INSTALLATION.

PURCHASER’S NAME: ____________________________) INSTALLATION DATE: ________
ADDRESS: _________________________________________________________________
__________________________________________________________
MODEL#: __________________ SERIAL #: __________
TELEPHONE # __________________

INSTALLER NAME: ____________________________) ADDRESS: __________________________
__________________________________________________________
TELEPHONE # __________________