DIRECT VENT INSERT

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

IMPORTANT: Installation of a CO detector is required in the fireplace room 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.

Tested & Listed by O-T-L
Portland
Oregon USA
OMNI Test Laboratories, Inc.

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

www.kozyheat.com

INSTALLER: LEAVE THIS MANUAL WITH THE APPLIANCE.
CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE.

October 2009
911-R15
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

INTRODUCTION

Read this manual before installing or operating this appliance. Please retain this owner’s manual for future reference.

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: __________________________________________
_________________________________________________
_________________________________________________
# TABLE OF CONTENTS

## INTRODUCTION
Introduction and Homeowner Reference Information 1

## MILLIVOLT BOARD
Millivolt Board Installation 22
Millivolt Board Removal 23

## ZC SHROUD ASSEMBLY AND INSTALLATION
ZC Shroud Assembly and Installation 24

## MASONRY SHROUD ASSEMBLY AND INSTALLATION
Masonry Shroud Assembly and Installation 25-26

## LOG SET INSTALLATION
Log Set Installation 27

## LIGHTING AND SHUTDOWN
Lighting and Shutdown 28-31

## PRESSURE TESTING
Pressure Testing 32

## FINALIZING THE INSTALLATION
Flame Appearance 33
Venturi Adjustment 33
Restrictor Usage / Troubleshooting / Installation / Modification 34
Seasonal Heat Dump 35

## MAINTENANCE
Maintenance 36

## TROUBLESHOOTING
Troubleshooting 37-39

## REPLACEMENT PARTS LIST
Replacement Parts List 40

## WARRANTY
Warranty 41-42

## SPECIFICATIONS
Fireplace Insert Dimensions 6
Clearances 6
Components List 7
Additional Components Required 7
Placement Clearance Requirements 7

## EXISTING FIREPLACE SPECIFICATIONS
Existing Fireplace Requirements 8
Existing Fireplace Minimum Opening Requirements 8

## PREPARE EXISTING FIREPLACE
Prepare Existing Fireplace 9

## GLASS FRAME ASSEMBLY
Remove Glass Frame Assembly 9
Install Glass Frame Assembly 9

## FAN DIRECT WIRE INSTALLATION
Fan Direct Wire Installation 10

## THERMOSTAT / WALL SWITCH / REMOTE
Thermostat / Wall Switch / Remote 11

## GAS LINE CONNECTION
Gas Line Connection 12

## INSTALLATION
Approved Venting 13
Air Duct Removal 13
Millivolt Board Removal 13
911-MSP Masonry Side Panel Installation (Optional) 14
Restrictor 14

## VENTING INSTALLATION
Kozy Heat #815-CL Co-Linear Vent System 15-17
Kozy Heat #815-CA Co-Axial Vent System 18-20

## COMPLETE FAN WIRING INSTALLATION
Complete Fan Wiring Installation 21
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.

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 #700-08T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc. Replacement of the 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.
### Standard Features
- High efficiency
- High quality lifetime glass
  12” x 27” (305 mm x 686 mm)
- 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 #911 only

### 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)
  119 lbs. (53.98 kg)

### 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)
- Masonry side panels
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 the time of installation of the 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.
### SPECIFICATIONS

#### FIREPLACE DIMENSIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Height</th>
<th>Width</th>
<th>Back Width</th>
<th>Depth</th>
<th>Back Height</th>
<th>Back to Vent Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>18</td>
<td>31-1/4</td>
<td>20-7/8</td>
<td>16-1/8</td>
<td>19-1/2</td>
<td>4-3/4</td>
</tr>
<tr>
<td>Millimeters</td>
<td>457</td>
<td>794</td>
<td>530</td>
<td>410</td>
<td>495</td>
<td>121</td>
</tr>
</tbody>
</table>

**WARNING:** FAILURE TO POSITION THE 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 27)
5. *150 CFM fan with speed control and limit switch
6. Co-linear air duct
   *911 only

---

**MINIMUM CLEARANCES TO COMBUSTIBLES**

- Insert glass to sidewall: 10” (254 mm)
- Insert top to combustible mantel: 12” (305 mm)
PLACEMENT CLEARANCE REQUIREMENTS

- This fireplace must be installed on a level surface capable of supporting the fireplace and venting.
- This fireplace insert must 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.
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 the insert.

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

Any chimney clean-outs must fit properly.

Existing Chimney must be comprised of one of the following: Class ‘A’ metal chimney: Co-linear - 8” (203 mm) minimum inside diameter. Co-axial - 7” (178 mm) minimum inside diameter. Masonry Chimney: 6” x 8” minimum inside diameter.

Existing Chimney Height: Minimum: 12 ft. (3.66 m) Maximum: Co-axial venting: 40 ft. (12.19 m) Co-linear venting: 30 ft. (9.14 m)

Determine length of your existing chimney:

1. Remove and discard existing chimney cap.

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

2. Measure from fireplace base to the top of chimney. Subtract 24” (610 mm). This is the total length of co-linear flexible aluminum you will require.

MEASUREMENT FROM FIREPLACE BASE TO TOP OF CHIMNEY:

LESS 24” (610 mm) : -24” (610 mm)
TOTAL CHIMNEY LENGTH REQUIRED:

EXISTING FIREPLACE MINIMUM OPENING

Height: 19” (483 mm)
Front Width: 31-1/2” (800 mm)
Depth: 16-1/4” (413 mm)
Back Width: 21” (533 mm)

All dimensions are minimum requirements.

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

OPTIONAL: A optional masonry panel kit #911-MSP is available and can be installed on this insert when it is installed in an existing masonry opening that is larger than the insert. Its purpose is to concentrate flow of heated room air between the firebox and panel walls.
PREPARE THE EXISTING FIREPLACE

1. The refractory, glass doors, screen rails, screen mesh and log grates may be removed from existing fireplace before installing this gas fireplace insert.

2. Any smoke shelves, shields and baffles may be removed if attached by mechanical fasteners.

3. If necessary, remove firebrick on sides and back of the existing fireplace to obtain at least the minimum opening requirements listed on page 8.

4. The fireplace flue damper can be fully blocked open or removed for installation of this gas fireplace insert.

5. Remove existing chimney cap.

6. Clean chimney and inside of fireplace to prevent creosote smell from entering the home.

7. Place ‘THIS UNIT HAS BEEN MODIFIED’ label in the bottom of existing firebox so it will be visible if this gas fireplace insert is removed.

8. Run electrical wiring if hard wiring to the pre-installed electrical box in the insert if desired. See ‘FAN DIRECT WIRE INSTALLATION’ instructions on page 10.

9. Run any electrical wiring needed if insert is to be run by a thermostat.

10. Run gas line to existing fireplace.

WARNING: CUTTING ANY SHEET-METAL PARTS OF THE FIREPLACE, IN WHICH THE GAS FIREPLACE IS TO BE INSTALLED, IS PROHIBITED.

GLASS FRAME ASSEMBLY

REMOVE GLASS FRAME ASSEMBLY

A. Locate the spring-loaded handles securing glass frame assembly at the bottom of firebox.

B. Pull bottom handles out and ‘down’ to release glass frame assembly bottom.

C. 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.

WARNING: DO NOT OPERATE THIS FIREPLACE WITH THE GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF GLASS ASSEMBLY, #700-08T SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.

WARNING: DO NOT REMOVE GLASS ASSEMBLY WHEN HOT!
FAN DIRECT WIRE INSTALLATION

#911
#911-RAD OPTIONAL FAN KIT #911-028

DIRECT WIRE CONNECTION MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN.

#911: This fireplace insert comes complete with a fan and thermostatic control switch already installed. A speed control, receptacle, and 8 ft. (2.44 m) fan cord have been installed, wired and mounted in a removable electrical box panel on the right side of the fireplace. If wiring to the pre-installed electrical box is desired, the wiring should be run prior to permanently setting the insert in place and connecting the vent system.

#911-RAD: A speed control, receptacle, and 8 ft. (2.44 m) fan cord have been installed, wired and mounted in an electrical box panel included with fan kit. If hardwiring to the electrical box is desired, the wiring should be run prior to permanently setting the insert in place and connecting the vent system.

NOTE: If this fireplace insert is being installed in the minimum opening dimensions, the wiring may need to be completed after the 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 the grounding prong from this plug. Do not allow any excess fan cord to touch the fireplace.

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

DIRECT WIRE INSTALLATION:

NOTE: The cord must be removed and wiring disassembled.

Insert 110V-120V wiring (with ground) through the romex connector and wire to speed control / receptacle assembly, matching black, white & green (ground) wires to the corresponding wires on the speed control / receptacle assembly.

DIRECT WIRE INSTALLATION

1. **#911:** Remove speed control / receptacle assembly from right side of insert floor.

2. **#911 / 911-RAD:** Remove (2) screws securing speed control / receptacle to expose wiring.

3. Remove existing cord and insert 110V-120V wiring (with ground) through romex connector, wiring to speed control / receptacle assembly, matching black (hot), white (neutral), and green (ground) wire to the corresponding wires on speed control / receptacle assembly. NOTE: The (3) wire nuts obtained when removing existing cord may be used for this purpose.

4. Secure speed control / receptacle assembly into the electrical box with (2) screws provided.

5. Attach electrical box to insert floor with nut.

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

Refer to page 21 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
CAUTION: DO NOT CONNECT HIGH VOLTAGE (115V) WIRE TO THE GAS VALVE!

NOTE: INSTALLATION OF THERMOSTAT OR WALL SWITCH SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER.

If desired, a thermostat (wireless style also available), wall switch, or remote control assembly may be used to turn the fireplace ‘OFF’ and ‘ON’. Only ONE of these may be installed. Follow instructions included with each assembly.

**OPTIONAL:**
Disconnect ON/OFF rocker switch wires from the back of gas valve.

**WALL SWITCH / THERMOSTAT:**

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

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

**REMOTE CONTROL:**

Follow instructions included with the remote control.

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

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

If rocker switch is ‘ON’, the fireplace burner will operate until it is turned ‘OFF’ by the rocker switch. A wall switch, thermostat, or remote control will not turn the fireplace “OFF” when it has been turned ‘ON’ by the rocker switch.

**NOTE:** The fireplace must be turned ‘ON’ and ‘OFF’ by the same method. For example: If fireplace is turned ‘ON’ by the remote control, it must be turned ‘OFF’ by the remote control.
GAS LINE CONNECTION

IMPORTANT:
DO NOT RUN GAS LINE IN A MANNER THAT WOULD OBSTRUCT FAN OPERATION OR OPERATION OF FAN COMPONENTS.

Run gas line into existing fireplace, preferably through the left or right side, 2” (51 mm) from the bottom as shown in illustration below.

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

NOTE: 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.

2” (51 mm) from bottom to gas line

WARNING LABEL

<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>#32</td>
<td>#50</td>
</tr>
<tr>
<td>INPUT BTU/hr.</td>
<td>40,000</td>
<td>30,000</td>
</tr>
<tr>
<td>MINIMUM INPUT BTU/hr.</td>
<td>27,500</td>
<td>23,500</td>
</tr>
<tr>
<td>STEADY STATE EFFICIENCY</td>
<td>74%</td>
<td>74%</td>
</tr>
<tr>
<td>AFUE</td>
<td>70%</td>
<td>70%</td>
</tr>
</tbody>
</table>

ATTENTION: NATURAL GAS MODELS ONLY: BTU input rating may be increases to 40,000 BTU by replacing the factory equipped orifice with the #29 orifice included in the components packet.

IMPORTANT: For high altitude installations, consult the local gas distributor or the authority having jurisdiction for proper rating methods.
IMPORTANT: ALL STEPS AS OUTLINED IN ‘PREPARE THE EXISTING FIREPLACE’ MUST BE COMPLETED BEFORE CONTINUING WITH THIS INSTALLATION.

APPROVED VENTING


Selkirk, ICC, American Metals, Security. 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.

IMPORTANT: To properly install the air chute, it is necessary to remove the millivolt board/burner assembly. For your convenience, we have installed only 2 of the 8 nuts required to properly secure the millivolt board to the insert firebox floor. The remaining nuts are included in the components packet, and will be used at a later point to re-install the millivolt board.

MILLIVOLT BOARD REMOVAL

1. Remove burner assembly by lifting front of burner up, sliding to right off the orifice.
2. Remove and save 2 nuts securing millivolt board. Remove millivolt board from fireplace, being careful not to damage gasket located under millivolt board.

NOTE: If millivolt board removal for servicing or maintenance requirements is needed after installation of this fireplace insert has been finalized, please refer to page 23 for complete instructions.
#911-MSP MASONRY SIDE PANEL INSTALLATION (OPTIONAL)

**IMPORTANT:** For use when the insert is installed in an existing masonry opening. This kit must be attached to the air duct (manifold) prior to vent system connection.

This kit includes:
- (1) Right side panel
- (1) Left side panel
- (12) Sheet metal screws

**NOTE:** If the air duct and masonry side panels are not placed ‘outside’ the flanges at insert bottom, a rattling noise may occur when the fan is in operation.

1. If air duct on insert is not positioned outside flange at bottom, remove and reposition.

2. Position side panels outside flanges on insert bottom, align (2) holes in top and (2) holes in back of masonry side panels with corresponding holes in air duct. Secure with screws.

   *This installation will be continued at a later point.*

**RESTRICTOR**

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

**RESTRICTOR INSTALLATION**

**IMPORTANT:** DO NOT INSTALL IF THE VENTING CONFIGURATION IS AT THE 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 the 3” combustion intake and 4” exhaust pipes (and extension kit if used) to equal the 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 a 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 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.
We strongly suggest wrapping the first 3 ft. (914 mm) of vent system below the termination cap with non-faced fiberglass insulation (secure with wire) before running it through the existing chimney. This will prevent cold air from coming down the 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 the 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 4ft. (1.22m) section of combustion air pipe (end without collar) past the damper opening and into existing fireplace. See illustration at lower right.

4. We strongly suggested placing non-faced fiberglass insulation between vent pipes and existing chimney to prevent heat loss up the chimney, being careful not to block end pipe if using stub method.
KOZY HEAT #815-CL CO-LINEAR VENT SYSTEM (cont.)

CONNECT #815-CL VENT SYSTEM TO AIR DUCT

1. Place air duct (previously removed from insert top, page 13) into the 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 the 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 the 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 the two holes in insert top to studs on each side of the 4” exhaust duct, and the 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 that air duct gasket is properly seated.

4. Locate baffle with seasonal heat dump inside the firebox, noting the (2) access holes (A) on each side of the heat dump. Secure air duct to insert through the access holes with (2) 1/4” nuts.

5. Secure lower end of air duct to insert firebox with (4) 1/4” nuts.

If installing optional #911-MSP: Align (4) holes in insert face to corresponding holes in masonry side panels. Secure with remaining screws included with kit.
NOTE: The co-axial pipe included with this vent system is designed for chimneys up to 32 ft (9.75 m). If additional length is required, Part #716-A is available to extend the venting to a maximum of 40 ft (12.19 m).

The 4” exhaust flex pipe and 6” combustion air flex pipe are coiled and packaged separately.

Carefully extend 4” and 6” flex pipes and extension kit (if used) to equal total chimney length required.

If an extension kit is being used, it must be connected to the 4” exhaust and 6” combustion air intake pipe included in the #815-CA Vent Kit.

**EXHAUST CONNECTION:** Apply a liberal bead of sealant (provided) around 4” exhaust adaptor (with external notches) on extension kit and slide it into the female connector on end of 4” exhaust pipe. 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 CONNECTION:** Slide the extended 6” combustion intake pipe included with 815-CA kit over extended 4” exhaust pipe included with 815-CA kit. Apply a liberal bead of sealant (provided) around 6” combustion intake adaptor (with external notches) on extension kit and slide it over extended 4” exhaust pipe extension and into female end of 6” combustion intake pipe. Secure with 3 self-tapping screws (provided). To ensure an air-tight seal, additional sealant should be applied at the point of connection. The 4” exhaust pipe is now inside the 6” intake pipe.

A. Apply a liberal bead of sealant (provided) around inside edge of 4” exhaust pipe, (end without collar) and slide it onto 4” collar on vent cap. Secure with 3 equally spaced self-tapping screws through both sections. Apply additional sealant around joint to ensure an air-tight seal.

B. Apply a liberal bead of sealant (provided) around inside edge of 6” combustion intake pipe, (end without collar) and slide it onto 6” collar on vent cap. Secure with 3 equally spaced self-tapping screws through both sections. Apply additional sealant around joint to ensure an air-tight seal. The 4” exhaust pipe will be inside the 6” combustion intake pipe.

**RUN VENTING THROUGH EXISTING CHIMNEY**

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

A. Guide ropes, if used, and flexible pipes down existing chimney. Do not attempt to tie one rope around both pipes.

B. To secure chimney termination cap to existing chimney, apply a liberal bead of sealant around the top of existing chimney, set termination cap into position. Secure with (4) 1-1/2” self-drilling screws (provided).

CONNECT #815-CA CO-AXIAL VENT SYSTEM TO AIR DUCT

A. Place air duct into existing fireplace opening.

B. Place a bead of sealant (provided) around 4” flex pipe and slide it into 4” collar on air duct. Secure with (2) self-tapping screws (provided). Apply additional sealant around joint to ensure an air-tight seal.

C. Apply a bead of sealant around 6” collar on flex pipe and slide it into 6” collar on air duct. Secure with (1) self-tapping screw (provided) through the center front of this connection. Apply additional sealant around joint to ensure an air-tight seal.

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 the two holes in insert top to studs on each side of the 4” exhaust duct, and the 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 side flanges on the “OUTSIDE” of insert bottom flanges.
4. Locate baffle with seasonal heat dump inside the firebox, noting the (2) access holes (A) on each side of the heat dump. Secure air duct to insert through the access holes with (2) 1/4” nuts.

5. Secure lower end of air duct to insert firebox with (4) 1/4” nuts.

If installing optional #911-MSP: Align (4) holes in insert face to corresponding holes in masonry side panels. Secure with remaining screws included with kit.

IMPORTANT: Before completing steps 4 & 5, ensure that air duct gasket is properly seated.
COMPLETE FAN WIRING INSTALLATION

#911
#911-RAD OPTIONAL FAN KIT #911-028

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

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 lower grill if previously installed.
3. Slide left, then right fan through the lower grill opening (right side of gas valve), positioning onto their corresponding mounting studs on the floor of fireplace. Secure each fan with (2) nuts included.
4. Connect left fan extension wires to terminals on right fan.
5. Install electrical box with speed control assembly onto either right or left mounting studs located toward front of fireplace.
6. Connect the flexible gas line to the manual shut off valve. Turn the manual shut off valve to ‘ON’.

CAUTION: CHECK CONNECTION FOR LEAKS.

7. Re-install lower grill.

#911 & #911-RAD

1. Place thermostatic control switch on bottom of insert firebox.
2. Plug power cord into electrical box receptacle.
3. Turn speed control counter-clockwise until it ‘clicks’. This is the ‘OFF’ position.
4. Turn speed control ‘ON’ by turning the knob clockwise past the ‘click’ - this is the highest setting.

ELECTRICAL WARNING: DO NOT ALLOW MILLIVOLT BOARD COMPONENTS (WIRES, FLEXLINES, ETC.) TO COME IN CONTACT WITH FAN ASSEMBLY COMPONENTS.

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 unless the speed control has been turned ‘ON’ and sufficient heat has been applied to the temperature control switch. The fan will turn ‘ON’ and ‘OFF’ automatically as the fireplace heats and cools. Adjust fan to desired speed while it is running.

TEMPERATURE CONTROL SWITCH POSITION

Before adjusting the temperature control switch, unplug the 3-prong plug on the fan cord from the receptacle. Adjust position of the temperature control switch to a warmer location under the firebox to turn fan ‘ON’ sooner or move it to a cooler location under firebox to turn the fan ‘ON’ later. The fan will turn on when the sensor in the temperature control switch reaches 110° F and will turn ‘OFF’ when the sensor reaches 90° F. After adjustment, plug the 3-prong plug on fan cord into the receptacle.
1. Place millivolt board in firebox, aligning holes in the millivolt board with mounting studs in the firebox bottom. MAKE SURE SEALING GASKET IS IN PLACE ON FIREBOX BOTTOM! Secure millivolt board to firebox bottom with (8) 1/4” nuts.

2. Install burner assembly, making sure burner tube is positioned over burner orifice, and sides are inside millivolt board flanges.

3. Install pilot shield around pilot assembly.


5. Connect any wall switch, remote control or thermostat wires to terminals on valve marked ‘TH’ / ‘THTP’.


8. Verify proper log placement, operation of insert and any electrical components.

WARNING: DO NOT OPERATE THIS FIREPLACE WITHOUT SEALING GASKET (LOCATED UNDER THE MILLIVOLT BOARD) IN PLACE. IF GASKETING IS DAMAGED, IT MUST BE REPLACED.

CAUTION: CHECK ALL CONNECTIONS FOR LEAKS, WHETHER FIELD OR FACTORY MADE.
1. Turn gas control knob to the ‘OFF’ position.

2. Shut off gas supply at the manual shut-off valve.

3. Disconnect gas line flex tube from the manual shut-off valve.

4. Disconnect any wall switch, remote control, or thermostat wires from ‘TH’ / ‘THTP’ terminals on the gas valve.


NOTE: It is not necessary to remove the shroud or full door shroud to remove millivolt board.

6. Remove logs.

7. Remove burner assembly from firebox.

8. Remove pilot shield.

9. Remove (8) nuts securing millivolt board. Lift board up and out of firebox.
Shroud assembly includes:
(1) Shroud top
(1) Shroud left side
(1) Shroud right side with on/off rocker switch mounting hole
(8) Phillips head screws
(2) Shroud extensions

IMPORTANT: You will need the following items from the insert components packet:
- Rocker switch wires
- On/Off Rocker switch

You will also need the 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).

OPTIONAL: Attach shroud extensions by aligning slots in shroud with desired hole in shroud extension. Secure with phillips head screws.

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.

IMPORTANT: CHECK ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE, FOR LEAKS.
**MASONRY SHROUD ASSEMBLY AND INSTALLATION**

Shroud assembly includes:
- (1) Shroud top
- (8) Phillips head screws
- (1) Shroud left side
- (1) Set ‘inside fit’ brackets
- (1) Shroud right side with on/off rocker switch mounting hole

**IMPORTANT:** You will need the following items from the insert components packet:
- Rocker switch wires
- On/Off Rocker switch
- You will also need the upper grill from the 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.

**ATTACH THE SHROUD**

**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 the gas valve.

3. Remove nuts from lower grill, insert grill bolts through lower hinges on insert. Attach and tighten nuts.

**INSIDE FIT APPLICATIONS:** (You will require the ‘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.

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PAGE 25
1. Align holes in mounting brackets to the corresponding holes in insert face, making sure brackets are positioned as shown in Figure 1. Secure with screws provided (Figure 2).

2. Position tabs (lower end previously removed) on shroud into slots in the 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 3.

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 4.

**OPTIONAL MASONRY PANEL INSTALLATIONS:**

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

2. Align holes in mounting brackets to the corresponding holes in insert face & masonry panels, making sure brackets are positioned as shown in Figure 2. Secure with screws removed in step 1 and included in shroud components packet.

3. Position tabs (lower end previously removed) on shroud into slots in the 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 3.

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 4.

**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 located on the 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.

Align notches on bottom of BI log with brackets in burner cover. Set down into position. Position AD, AG, HB & AJ logs onto burner cover, pressing down onto pins.

Align hole in bottom of right M log to knob on HB log. Position remaining M log and C log as shown above. 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 THE PERFORMANCE OR LONGEVITY OF THE FIREPLACE.
LIGHTING AND SHUTDOWN (cont.)

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 the firebox to escape. If you then smell gas, STOP! Follow the safety information on the front cover and on the previous page of this installation manual. If you don’t smell gas, go to the next step.

NOTE: Gas control knob cannot be turned from “PILOT” to “OFF” unless knob is pushed in slightly. Do not force.

B. Locate pilot - follow metal tube from gas control. The pilot is located inside the combustion chamber.

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

D. Hold gas control knob in for one (1) minute after pilot is lit. Release the gas control knob. If the pilot goes out, repeat steps C-D. When the 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 the pilot will not stay lit after several tries, turn the gas control knob to OFF and call your service technician or the gas supplier.

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

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

NOTE: When the fireplace is initially lit, condensation will appear on the glass; this is normal in all gas fireplaces and will disappear after several minutes.
NOTE: This control valve has an interlock device. If pilot has been turned off, it cannot be relit until the thermocouple has cooled, (approximately 60 seconds).

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

NOTE: The pilot will stay lit.

H. Turn the pilot off by pushing in and turning the gas control knob to the ‘OFF’ position. **DO NOT FORCE.**

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 the middle knob on the gas control valve.
IMPORTANT NOTICE: Pressure check taps for the manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked ‘OUT’ measures outgoing pressure and the 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 the 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 that it stays near the 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 that it is completely sealed. Manometer should read no 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 that it is completely sealed. Manometer should read no pressure when the rocker switch is pressed to ‘ON’.

**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.

**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. The flames will gradually turn yellowish-orange during the first 15 minutes of operation. If the flames remain blue or the flames become dark orange with evidence of sooting (black tips), the burner tube venturi may need to be adjusted.

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

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

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&quot; (5 mm) OPEN</td>
<td>5/8&quot; (16 mm) OPEN</td>
</tr>
</tbody>
</table>

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>

NOTE: IF SOOT IS PRESENT, CHECK LOG POSITIONING BEFORE ADJUSTING BURNER VENTURI. LOGS MUST NOT BLOCK BURNER PORTS.

IMPORTANT: SLIGHT ADJUSTMENTS TO THE 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 23.
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.
FINALIZING THE INSTALLATION

RESTRICTOR USAGE:

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

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

<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 it is determined that the venting is correct and the restrictor has been removed, yet the flames are still lifting or ghosting, shut off gas supply to fireplace insert 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 the termination is installed, access can be reached through the fireplace 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 TROUBLESHOOTING

<table>
<thead>
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</tr>
</tbody>
</table>

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 THE HEAT DUMP OPENING IF THE FIREPLACE HAS BEEN IN OPERATION. ALLOW AMPLE TIME TO COOL OR USE THE 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.
The appliance is required to be inspected at least once a year by a professional service person.

The compartment below the firebox (behind the 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.

Annual cleaning of the burner system is required.

The burner assembly may be removed for easier access. Refer to pages 22-23 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 the burner assembly following instructions on page 22 of this installation manual.

Visually check pilot light and burner when in operation. The flames should be steady, not lifting or floating.

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

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

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

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

Do not operate this fireplace with the glass/frame assembly removed, cracked or broken.

The glass assembly, part #700-08T, shall only be replaced as a complete unit, as supplied by Hus-song Mfg. Co., Inc.

Replacement of the glass & frame assembly, part #700-08T, must only be performed by a licensed or qualified service person.

Do not strike or slam glass door assembly.

The compartment below the firebox (behind the lower grill) must be cleaned 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.

Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.

Reinstall the burner assembly following instructions on page 22 of this installation manual.

Visually check pilot light and burner when in operation. The flames should be steady, not lifting or floating.

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

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

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

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

Do not operate this fireplace with the glass/frame assembly removed, cracked or broken.

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Do not strike or slam glass door assembly.
TROUBLESHOOTING

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

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" (3 mm) 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 the end of the thermocouple and the other millivolt meter lead wire on the thermocouple’s copper wire. Start pilot while holding valve knob in. If the millivolt reading is less than 15 millivolts, replace the 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.
**TROUBLESHOOTING**

**BURNER WILL NOT LIGHT**

A. Gas control knob not turned to ‘ON’.

B. ‘ON’/‘OFF’ switch not turned on.

C. Remote, wall switch or thermostat not turned ‘ON’.

D. Plugged main burner orifice.

E. Remote, wall switch, thermostat or ‘ON/ OFF’ switch wires defective.
   ♦ 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**

A. Pilot shield not installed.

B. Pilot flame too high or too low, causing pilot safety to drop out.
   ♦ Clean and adjust flame for maximum flame impingement on thermopile.

**BURNER WON’T STAY LIT**

A. Thermopile wires loose at valve terminals.
   ♦ 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
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 27 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.
Replacement parts are available through your local dealer. Contact them for availability and pricing.

### 911 MILLIVOLT BOARD AND PARTS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>911-770</td>
<td>911XXL Millivolt Board - Nat Gas</td>
<td>700-092</td>
<td>Millivolt Generator</td>
</tr>
<tr>
<td>911-771</td>
<td>911XXL Millivolt Board - LP Gas</td>
<td>700-059</td>
<td>Thermocouple</td>
</tr>
<tr>
<td>700-023</td>
<td>On/Off Rocker Switch</td>
<td>700-203</td>
<td>Manual Shut-off Valve</td>
</tr>
<tr>
<td>700-086N</td>
<td>S.I.T. Valve - Natural Gas</td>
<td>700-213-B</td>
<td>18” Flexible Gas Line-Black</td>
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<tr>
<td>700-087</td>
<td>S.I.T. Valve - LP Gas</td>
<td>700-225-F</td>
<td>Flexible Gas Line-Valve to Burner Connection</td>
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<tr>
<td>700-064</td>
<td>Pilot Assembly - Nat Gas</td>
<td>700-230</td>
<td>Natural Gas Orifice #30</td>
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<tr>
<td>700-064-1</td>
<td>Pilot Assembly - LP Gas</td>
<td>700-247</td>
<td>LP Gas Orifice #47</td>
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<tr>
<td>700-090</td>
<td>Piezo Igniter w/ Nut (no wire)</td>
<td>OCK-S32A</td>
<td>Natural Gas Conversion Kit</td>
</tr>
<tr>
<td>700-060</td>
<td>Flexible Pilot Tubing (Valve to Pilot)</td>
<td>OCK-S50A</td>
<td>LP Gas Conversion Kit</td>
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<tr>
<td></td>
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<td>911-035</td>
<td>Burner Tube</td>
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### REFRACTORY PANELS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>911-G900</td>
<td>Back / Sides Refractory Panels - 3pc.</td>
</tr>
<tr>
<td>911-G990B</td>
<td>Back Refractory Panel (only)</td>
</tr>
<tr>
<td>911-G900S</td>
<td>Side Refractory Panel (1side only)</td>
</tr>
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</table>

### GLASS & GLASS GASKET

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
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<tr>
<td>900-005</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>700-08T</td>
<td>12” x 27” Glass with Gasket</td>
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</table>

### FAN ASSEMBLIES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>911-028</td>
<td>Fan Kit</td>
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</tbody>
</table>

### LOG SET

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>932-500A</td>
<td>8 pc. Log Set</td>
</tr>
<tr>
<td>AD</td>
<td>AD Log</td>
</tr>
<tr>
<td>AG</td>
<td>AG Log</td>
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<tr>
<td>HB</td>
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<td>C</td>
<td>C Log</td>
</tr>
<tr>
<td>AJ</td>
<td>AJ Log</td>
</tr>
<tr>
<td>900-REMB</td>
<td>Rock Wool Embers</td>
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</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

Model #911
Model #911-RAD
October 2009-REV-15

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

www.kozyheat.com
KOZY HEAT
LIMITED 10 YEAR WARRANTY

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 denied warranty coverage and submission of proof of purchase will be required.

Hussong Manufacturing Co., Inc. warranties 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.

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.

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.

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 component 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 fireplace, 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 1988

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 # __________