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.

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.
TABLE OF CONTENTS

Introduction ................................................................................................................................. 2

Safety Requirements .................................................................................................................. 3

Commonwealth of Massachusetts Requirements ................................................................. 4

Requirements of Existing Fireplace .......................................................................................... 5

Insert Fireplace Specifications ............................................................................................... 6

Preparing The Existing Fireplace ............................................................................................ 7

Gas Line Installation Requirements - Minimum/Maximum Pressures .................................... 7-8

Insert Preparation ....................................................................................................................... 8-9

Remove the Quick-latch Glass Assembly ............................................................... 8
Remove the Millivolt Board ............................................................................................. 9
Remove the Air Duct ......................................................................................................... 9

Installing the Insert ................................................................................................................. 10-14

Co-Linear Vent System ............................................................................................................. 10-12
Masonry Side Panel Installation ..................................................................................... 10
Install the Vent System .................................................................................................... 11-12

Position the Insert & Secure the Air Duct ............................................................................... 13
Replace the Baffle ............................................................................................................. 13
Secure Masonry Side Panels to Fireplace front ...................................................... 14
Replace the Millivolt Board .......................................................................................... 14

Attach The Shroud .................................................................................................................... 15-18

Fan Installation ......................................................................................................................... 18

Log Installation .......................................................................................................................... 19

Complete the Installation -
Initial Lighting / Seasonal Heat Dump Adjustment /
Replace the Glass Assembly / Install the Lower Grill .................................................. 20

Thermostat - Remote Control - Wall Switch Installation ..................................................... 21

Lighting & Shutdown Procedures ............................................................................................. 22-23

Manifold (outgoing) & Inlet (incoming) Pressure Check Procedures ................................... 24

Maintenance Requirements .................................................................................................... 25

Troubleshooting ....................................................................................................................... 26-27

Replacement Parts ................................................................................................................... 28

Warranty Policy ....................................................................................................................... 29-30
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:__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
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.

If this appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.

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 placed 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 #700-07T, 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.
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 than 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.
THIS UNIT IS APPROVED FOR INSTALLATION IN FACTORY-BUILT ZERO-CLEARANCE SOLID FUEL AND MASONRY FIREPLACES.

WARNING: Failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

WARNING: CUTTING ANY SHEET METAL PARTS OF THE FIREPLACE, IN WHICH THIS GAS FIREPLACE INSERT IS TO BE INSTALLED, IS PROHIBITED. ANY SMOKE SHELVES, SHIELDS AND BAFFLES MAY BE REMOVED IF ATTACHED WITH MECHANICAL FASTENERS.

The existing fireplace must meet the following requirements:

1. A gas line must be able to be installed to the insert.
2. Existing Chimney:
   - Class “A” metal chimney: Co-linear 3” x 4” venting - 8” minimum inside diameter.
   - Masonry Chimney: Co-linear 3” x 4” venting - 6” x 8” minimum inside diameter.
3. The inside dimensions of the fireplace with the firebrick and smoke baffle REMOVED must be at least:
   Height: 23-1/2”  Front Width: 331/2”
   Depth: 16 1/2” Width at minimum depth location: 23-1/2”
4. The height of the existing chimney must be a minimum of 11 ft.
   Maximum height of existing chimney: Co-linear venting: 40 ft.

To Determine the length of your existing chimney:

A) Remove the chimney cap.

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

B) With one person at the fireplace and the other person at the top of the chimney, measure from the base of the fireplace to the top of the chimney. Subtract 24” for the height of the insert. This is the total length of 4” x 6” flexible aluminum you will require.

MEASUREMENT FROM BASE OF FIREPLACE TO TOP OF CHIMNEY:
LESS: -24”
TOTAL CHIMNEY LENGTH REQ.: ______

5. Minimum clearance from outlet grill on the insert to a combustible mantel: 12”
   Minimum clearance from the side of the insert glass (glazing) to side wall: 10”

MINIMUM OPENING DIMENSIONS

Zero Clearance
Solid Fuel Fireplace shown
SPECIFICATIONS:

Height (top of firebox): 21”
Height (top of air duct): 22-3/4”
Width: 33-3/8”
Depth: 16 1/8”

Check the assembly diagram below to ensure you have all the necessary components to properly install this fireplace insert.

This insert includes the following:

1. Unit.
2. Spring-loaded latch glass assembly.
3. Millivolt board with burner cover.
4. Log set
5. 150 CFM fan with limit switch and speed control.
6. Co-linear air duct.

NOTE: A optional masonry panel kit #9XL-MSP (not shown) is available and can be installed on this fireplace when it is installed in a existing masonry opening that is larger than fireplace insert. Its purpose is to concentrate flow of heated room air between the firebox and the panel walls.

Additional components which are necessary for proper installation are:

1. Vent System:

   Part #815-CL: For use with minimum 6” x 8” I.D. masonry or 8” I.D. Class ‘A’ metal chimneys - Includes 12 ft. compressed, expandable to 25 ft. co-linear 3” x 4” flexible chimney, and termination cap. If your existing chimney is higher than 25 ft. above the fireplace, an extension kit (Part #510) must be used to properly extend the 3” intake and 4” exhaust up to a maximum of 40 ft..

   Other approved venting: ICC, Selkirk, American Metals, Security

2. Shroud - 3 pc & 4 pc.: Three standard sizes are available for zero clearance fireplaces and three standard sizes are available for masonry fireplaces and will fit most applications. Custom shrouds may be ordered on a non-returnable basis. When ordering a custom shroud, please specify the existing fireplace Manufacturer name, model number and front opening height and width.

3. 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).
A) PREPARE THE EXISTING FIREPLACE
EXISTING FIREPLACE AND FIREPLACE CHIMNEY MUST BE CLEAN AND IN GOOD WORKING ORDER AND CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.

1) Trim panels or surrounds shall not seal ventilation openings in the fireplace.

2) Remove the smoke baffle, the damper assembly and, if necessary - the firebrick on the sides and back of the existing fireplace to obtain at least the minimum opening requirements listed on page #5.

3) Remove any screens and glass doors on the fireplace.

4) Remove the existing chimney cap from the chimney.

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

6) Paint the existing inner box with high temp black paint so it is not visible when the insert is installed.

7) Place ‘THIS UNIT HAS BEEN MODIFIED’ label in the bottom of the firebox.

B) RUN THE GAS LINE

CAUTION: Installation of the gas line must only be done by a qualified person in accordance with local building codes.

This unit is equipped with a 3/8” flexible gas line connection 18” long.

CAUTION: The manual shut off valve and millivolt board flexible gas line must not extend outside the unit cavity. See the WARNING label affixed to the flexible gas line for additional installation instructions and warnings.

1. Run the gas line into the fireplace, preferably through the side or back, 2” from the bottom of the fireplace. See Figure B-1 below.
   If installing this gas fireplace insert into a factory built fireplace that does not have access hole(s) provided, an access hole of 1-1/2” or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship manner. This access hole must be plugged with non-combustible insulation after the gas supply line has been connected.

A flexible connector should then be attached to the previously run gas line to the point where the manual shut off valve and millivolt board flexible gas line will connect.

IMPORTANT: An accessible shut off valve (included with the unit) must be installed up stream from the regulator.

IMPORTANT: DO NOT RUN THE GAS LINE IN A MANNER THAT WOULD OBSTRUCT THE OPERATION OF THE FAN OR POSITION OF THE SPEED CONTROL.
2. This unit is designed to accept either a 3/8" or 1/2" gas line approved for gas appliances. Consult local building codes to properly size the gas supply line leading to a 3/8" reduction. Also, see the chart below for proper supply line sizing.

3. Connect the manual shut off valve to the previous run gas line.

4. The gas line will be connected to the millivolt board later in this manual.

**NOTE:** This appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi.

**NOTE:** This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping systems at test pressures equal to or less than 1/2 psi.

Pressure check taps for both the manifold (outgoing) and inlet (incoming) pressures are located in front of the gas valve. The right pressure tap is the manifold pressure and the left pressure tap is the incoming pressure. Follow instructions on page #26 for checking these pressures.

<table>
<thead>
<tr>
<th><strong>NATURAL GAS:</strong></th>
<th><strong>LP GAS:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The minimum inlet gas supply pressure: 5.0 in. W.C.</td>
<td>The minimum inlet gas supply pressure: 11.0 in. W.C.</td>
</tr>
<tr>
<td>Recommended inlet gas supply pressure: 7.0 in. W.C.</td>
<td>Recommended inlet gas supply pressure: 11.0 in. W.C.</td>
</tr>
<tr>
<td>The maximum inlet gas supply pressure: 10.5 in. W.C.</td>
<td>The maximum inlet gas supply pressure: 13.0 in. W.C.</td>
</tr>
<tr>
<td>Manifold Pressure: 3.5 in. W.C.</td>
<td>Manifold Pressure: 10.0 in. W.C.</td>
</tr>
<tr>
<td>Manifold pressure (low pressure): 1.7 in. W.C.</td>
<td>Manifold pressure (lo setting): 6.5 in. W.C.</td>
</tr>
<tr>
<td>Orifice size (0-2000 ft): 31</td>
<td>Orifice size (0-2000 ft): 50</td>
</tr>
<tr>
<td>Input rating: 36,000 BTU</td>
<td>Input rating: 34,000 BTU</td>
</tr>
<tr>
<td>Minimum Input Rating: 21,400 BTU</td>
<td>Minimum Input Rating: 23,400 BTU</td>
</tr>
</tbody>
</table>

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

C) **REMOVE THE FOLLOWING ITEMS FROM THE FIREPLACE INSERT:**

1. **GLASS ASSEMBLY:**
   
   A. Locate the spring-loaded latches securing the glass assembly (under the firebox).
   
   B. While holding onto the glass frame, pull the latch handles out, then down, to release the glass assembly.
   
   C. Pull the bottom of the glass assembly out and lift up off of the tabs (at the top).
   
   D. Set aside where it will not be broken.
   
   E. Remove the log package from the firebox and set aside.

   ![Figure C-1](image-url)
2. MILLIVOLT BOARD. Figures C-2 & C-3.

A. Remove (2) nuts securing burner cover. Lift the front of the cover up, then carefully sliding the burner tube off the orifice. Remove entire assembly from the firebox (Figure C-2).

B. Loosen & remove the (2) 1/4" nuts securing the millivolt board and lift it up and off the studs and remove from the fireplace.

IMPORTANT: BE CAREFUL NOT TO DAMAGE THE GASKET UNDER THE BOARD.

NOTE: The millivolt board is secured with (2) nuts at the factory. After the millivolt board is properly installed it must be secured with 8 nuts (included). The burner / cover assembly is then placed over the millivolt board.

3. REMOVE THE AIR DUCT. Figure C-4.

A. Lift the air duct (manifold) up from the top of the firebox and set aside.
D) INSTALLING THE INSERT

IMPORTANT: ALL STEPS IN SECTION ‘A’ PREPARE THE EXISTING FIREPLACE MUST BE COMPLETED BEFORE CONTINUING WITH THIS INSTALLATION.

1. MASONRY SIDE PANEL INSTALLATION - Optional

An optional masonry panel kit is available for this insert and includes 1 left panel, 1 right panel and 12 sheet metal screws. These panels are used when the fireplace is installed in an existing masonry opening and must be installed to the air duct (manifold) before the vent system is connected.

A. SECURE THE PANELS TO THE AIR DUCT:

IF THE AIR DUCT WILL NOT BE REMOVED, MAKE SURE THE MASONRY SIDE PANELS AND AIR DUCT BACK ARE POSITIONED ‘OUTSIDE’ THE FLANGE AT THE BOTTOM OF THE INSERT. See Figure D-1.

NOTE: If the panels are not placed ‘outside’ the flange at the bottom, it may cause a rattling noise when the fan is in operation.

1. Align the 2 holes in the top and 2 holes in the back of the right side panel to the holes on the air duct (2 holes on the top / 2 holes on the back).

2. Secure the panel to the air duct with the self-tapping screws (2 on top / 2 on back).

3. Repeat for remaining left side panel.

Note: The shell pieces will be secured to the front later in this manual. Figure D-1

RESTRICTOR INSTALLATION

The restrictor plate included in the fireplace components packet may be installed as either a ‘large’ or ‘small’ restrictor, depending on your specific venting configuration. There are several factors which can affect proper draft of the vent system and the burner operation of a fireplace. Installing a restrictor may be necessary to resolve the problem, even though it may not be required under ‘normal conditions’.

IMPORTANT: DO NOT INSTALL IF THE VENTING CONFIGURATION IS AT THE MINIMUM REQUIREMENTS!

The restrictor included is sized as the ‘large’ restrictor as shown below. To reduce the size to the small restrictor, simply bend the section without the tabs off at the perforation and discard.

To install the restrictor, bend the tabs ‘up’ far enough (approximately 80-degrees) so that when positioned into the exhaust pipe, will create tension to hold itself in place. Do not overbend the tabs! Slide the restrictor into the exhaust pipe with the tabs pointing toward you. Access to the exhaust pipe can be gained by removing the nuts securing the exhaust baffle inside the firebox at the top.

IMPORTANT: REPLACE THE EXHAUST BAFFLE AFTER RESTRICTOR INSTALLATION IS COMPLETE.
3. INSTALL THE VENT SYSTEM

NOTE: The 4” exhaust pipe and 3” combustion air intake pipe will extend 25 ft. An optional extension kit (Part #510) is available to extend the #815-CL kit up to a maximum of 40 ft.

A. Carefully extend the 3” combustion intake and 4” exhaust pipes and extension kit (if used) to equal the total chimney length required.

B. 1. Slide the 3” intake pipe (end without the collar) onto the collar on the termination cap and secure with 3 self-tapping screws (provided).

2. Place a bead of sealant around the inner edge of the 4” exhaust pipe (end without the collar) and slide onto the corresponding collar on the termination cap. Secure with 3 self-tapping screws (provided). Apply additional sealant around the 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 (provided) around the exhaust adaptor (male) extension pipe and slide into the female connector on the end of the 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 the male end of the extension kit and slide into female end of the 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.
4. RUN THE VENT SYSTEM THROUGH THE EXISTING CHIMNEY

We strongly suggest wrapping the first 3 ft. of the 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 there are offsets in the existing chimney, it may be easier to place a weighted rope around the end of the 4" pipe and another weighted rope around the 3" pipe to guide them through it.

DO NOT ATTEMPT TO TIE ONE ROPE AROUND BOTH PIPES.

A. Guide the rope, if used, and flexible pipes down the existing chimney.

B. To secure the chimney termination cap to the existing chimney, apply a liberal bead of sealant (provided) around the top of the existing chimney. Set the termination cap into position.

C. From inside the opening, grasp the ropes and CAREFULLY pull the ropes until the 3" combustion air intake and 4" exhaust pipe is down into the existing fireplace.

5. CONNECT THE VENT SYSTEM TO THE AIR DUCT

A. Place the air duct into the existing fireplace opening.

B. Place a bead of sealant (provided) around the 4" exhaust pipe and slide it inside the 4" collar on the duct. Secure with screws and apply additional sealant around the joint to ensure an air tight seal.

C. Apply a liberal bead of sealant (provided) around the 3" collar on the air duct. Slide the 3" combustion intake pipe over the collar and secure with screws. To ensure an air tight seal, apply additional sealant around the joint.

Figure D-3

Figure D-4
E) POSITION THE FIREPLACE INSERT:

1. Slide the insert in the fireplace opening. The masonry panels, if used, secured to the air duct must be ‘outside’ the flange at the bottom of the insert.

   **NOTE:** If the masonry panels are not ‘outside’ the flange, it may cause a rattling noise when the fan is operating.

2. If necessary level the unit by screwing the (4) leveling bolts (A) into the nuts mounted in the bottom of the unit behind the lower grill. The leveling bolts are included in the components packet. See Figure E-1 below.

   ![Figure E-1](image1)

   **LEVELING BOLTS LOCATED AT EACH SIDE**

3. Position the air duct to the fireplace by aligning the two holes in the fireplace top to the studs on each side of the 4" exhaust duct.

   ![Figure E-2](image2)

4. Locate the baffle with the seasonal heat dump inside the fire box and note the (2) access holes (A) on each side of the heat dump. Refer to Figure E-3.

   Secure the air duct to the fireplace with (2) 1/4" nuts through the access holes (A).

   **IMPORTANT:** Make sure the gasket is properly seated.

   ![Figure E-3](image3)

5. Secure the lower end of the air duct to the firebox by placing a 1/4" nut onto each mounting stud (B) around the combustion intake and tighten (4 total). Refer to Figure E-4.

   **IMPORTANT:** Make sure the gasket is properly seated.

   ![Figure E-4](image4)
F) SECURE THE MASONRY SIDE PANELS, IF INSTALLED.

1. With the panels ‘outside’ the flange at the bottom of the insert, align the holes in the masonry side panels to the holes in the face of the insert and secure with 4 - self-tapping screws (2 ea. side), see Figure F-1.

Note: If the panels are not placed ‘outside’ the flange at the bottom, it may cause a rattling noise when the fan is operating.

G) MILLIVOLT BOARD INSTALLATION.

NOTE: The millivolt board must be fitted with a gasket, (included) to seal the board. Make certain this gasket is properly placed around the opening before installing the millivolt board.

1. Grasp the millivolt board with both hands and place into the unit, lining up the (8) mounting holes to in the board to the (8) mounting studs in the fireplace bottom.

CAUTION: BEFORE SECURING THE BOARD INTO PLACE, MAKE CERTAIN THAT ALL OF THE WIRES (ATTACHED UNDER THE BOARD) ARE CLEAR AND UNOBSHURCTED.

2. Attach the (8) 1/4" nuts (using the (2) nuts previously removed and the remaining (6) nuts from the fireplace components packet). Tighten all (8) nuts.

CAUTION: WHEN INSTALLATION OF THE MILLIVOLT BOARD IS COMPLETE, CHECK TO ENSURE THAT THERE ARE NOT WIRES, FLEXLINES, ETC. TOUCHING THE FAN TERMINALS.

3. Place the burner/cover assembly onto the board, properly seating the burner tube over the orifice and aligning the mounting holes in the burner cover to the corresponding mounting studs on the bottom of the millivolt board. (Figure G-1).

4. Install the pilot shield over the pilot assembly. (Figure G-2).

5. Connect the flexible gas line to the manual shut off valve.

6. Connect any remote control, wall switch or thermostat wires, if used.
H) ZC SHROUD INSTALLATION:

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

IMPORTANT: You will need the following items from the components packet included with the unit:

- (1) Rocker switch wires
- (1) On/Off Rocker switch
- A small phillips head screwdriver to assemble the shroud and shroud extensions.

NOTE: You will need the upper grill from the grill set (ordered separately) to install in the shroud top piece.

ASSEMBLE THE SHROUD - Figures H-1 & H-2

1. Loosen and remove the nuts on the upper grill. Place the upper grill rods through the holes in the shroud top piece and secure with the nuts. If necessary, recess upper grill by re-positioning in one of the three mounting holes.

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

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

4. Snap the rocker switch in place on the shroud.

5. Slide one connector on one end of each rocker switch wire to the rocker switch.

ATTACH THE SHROUD

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

CONNECT THE ROCKER SWITCH WIRES TO THE VALVE.

1. Slide the remaining connectors on the rocker switch wires to the top and bottom terminals on the valve.

IMPORTANT: CHECK ALL CONNECTIONS, WHETHER FIELD OR FACTORY MADE, FOR LEAKS.
I)  ASSEMBLE & ATTACH THE SHROUD

Shroud assembly includes: (1) Shroud top  (1) Shroud left side  (1) Shroud right side with on/off rocker switch mounting hole  (1) Set (1 left & 1 right) 'inside fit' brackets  (8) Screws

Additional Items Needed: Rocker switch & wires from the fireplace components packet. Upper grill (grill set sold separately)

1. Loosen and remove the nuts attached to the upper grill. Place the upper grill rods through the holes in the shroud top piece and secure with the nuts (A). NOTE: The louvers on the grill should be in the downward position.

2. Secure the right and left shroud pieces to the top piece by aligning the (2) holes in the side pieces to the holes in the top piece. Secure with the screws provided (2 ea. side) (B). NOTE: Screws are secured from the bottom.

3. Snap the rocker switch in place on the shroud. Figure H-2.

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

ATTACH THE SHROUD OUTSIDE FIT APPLICATIONS:

1. Attach the shroud to the fireplace by inserting the tabs (A) on the left and right shroud pieces to the holes (B) in the face of the fireplace. The shroud will set down into place. Figure H-3.

CONNECT THE ROCKER SWITCH WIRES TO THE VALVE.

Slide the remaining connectors on the rocker switch wire to the top and bottom terminals marked 'TH' on the valve.
INSIDE FIT APPLICATIONS:

NOTE: INSIDE FIT APPLICATIONS REQUIRE THE ‘INSIDE FIT MOUNTING BRACKETS’, INCLUDED WITH THE SHROUD, FOR INSTALLATION.

1. Remove the glass assembly. Refer to page 8 if necessary.

2. Assemble the shroud, install the upper grill & on/off rocker switch as described on page 17-18 of these instructions.

3. Referring to Figure H-4, use a tin snips to cut off the lower end of all (4) mounting tabs on the shroud side pieces.

IMPORTANT- MOUNTING BRACKET ORIENTATION:

The bracket with the notched out section at the bottom is the right mounting bracket. Figure H-5.

The flanges on both mounting brackets shroud should be toward the inside of the fireplace. Figure H-5.

4. MASONRY PANEL INSTALLATIONS: If you have installed the optional masonry panels, refer to Figure H-6A below.

Remove the screws (A) (2 ea. side) securing the masonry panels. Figure H-6A.

5. Align the holes in the right mounting bracket to the corresponding holes in the fireplace face & masonry panels. Figure H-6A. NOTE: Make sure the brackets are positioned as shown in figure H-5.

6. Secure the bracket to the face through the top & bottom holes with (2) of the screws provided (A) and the center holes (2) with the screws (B) removed in step #4. Figure H-6A.

7. Repeat for left mounting bracket.

8. Position the tabs (lower end previously cut), on the shroud, 2 each side, into the slots in the fireplace face and align the oblong holes on the left & right inside flange of the side shroud pieces to the holes in the mounting brackets.

Secure with the remaining (4) screws (C), 2 each side. Figure H-6B.

Figure H-4

Cut lower end of each tab at the location shown.

Figure H-5

Note flange orientation

Figure H-6A

Secure brackets at top & bottom holes with screws provided.

Figure H-6B

Secure shroud to brackets at inside flange
**CONNECT THE ROCKER SWITCH WIRES TO THE VALVE**

1. Slide the remaining connectors on the rocker switch wire to the top and bottom terminals marked 'TH' on the valve.

---

**Completed Shroud Installation**

---

**1. COMPLETE THE FAN INSTALLATION:**

This unit comes complete with a fan, speed control and temperature limit switch assembly already installed. A three-prong (grounding) plug is attached to the end of the 8 ft. fan electrical cord for protection against shock hazard. Do not remove the grounding prong from the plug. Do not allow any excess fan cord to touch the firebox.

NOTE: Speed control box is installed on the right side of the fireplace behind the lower grill. A mounting stud has been provided on the left side of the fireplace (behind the lower grill) to re-position this speed control box to the left side if desired.

1. Attach the limit switch on the left side of the millivolt board under the firebox.
2. Plug fan cord into the nearest, properly grounded receptacle.

Note: The fan will not operate unless the speed control has been turned on. The fan will not turn on until sufficient heat is applied to the thermostatic control switch. The fan will then turn on and off automatically when the fireplace heat and cools. Adjust fan to desired speed while it is running.

---

**NOTE: THIS FAN SYSTEM, WHEN INSTALLED, MUST BE ELECTRICALLY GROUNDED IN ACCORDANCE WITH LOCAL BUILDING CODES, OR IN THE ABSENCE OF LOCAL BUILDING CODES, WITH THE NATIONAL ELECTRICAL CODE, ANSI/NFPA 70.**

---

**Figure I-1**

---

**CAUTION:** WHEN INSTALLATION OF THE MILLIVOLT BOARD IS COMPLETE, CHECK TO ENSURE THAT THERE ARE NO WIRES, FLEXLINES, ETC. TOUCHING THE FAN TERMINALS.

This log set includes: (1) X1 log (1) X4 log (1) X7 log (1) X9 log
(1) X2 log (1) X6 log (1) X8 log (1) X10 log
(1) X3 log (1) Rock Wool Embers Pkg. (1) Klinker pkg.

NOTE: THE ‘BI’ LOG IS NOTCHED AND SHOULD BE POSITIONED ONTO THE BURNER COVER PLACING THE
NOTCHED OUT SECTIONS IN THE LOG TO THE BRACKETS IN THE CENTER OF THE BURNER COVER.

1. Position the base logs onto burner cover in the following order: X1, X2, X3 & X4. Align the mounting holes in the bottom of the logs to the corresponding mounting studs. Pull X1 log forward toward burner tube. Figure J-1.

2. Place klinkers behind the log grate in the front of the burner cover as shown in Figure J-1. Do not place klinkers behind the 2nd & 3rd grate extensions. The X7 & X9 logs when properly installed, set on the burner cover, not on klinkers.

3. Brush Rock wool embers onto burner and base logs with a stiff bristle brush.

NOTE: You will not use all the embers included in the packet at this time. Save for future use.

4. Position X6, X7, & X8 logs onto the alignment cut-outs on the base logs. Refer to Figure J-2.

5. Position top logs X9 & X10 onto the alignment cut-outs on the base and middle logs as shown in Figure J-3.

6. Brush additional Rockwool embers onto logs.

INITIAL BURN PERIOD

DUE TO THE MAKEUP OF THE REFRACTORY, THE CURING PROCESS MAY TAKE UP TO 4 HOURS OF BURN TIME. DURING THIS PERIOD, THEY WILL SLIGHTLY DISCOLOR. ONCE THE CURING PROCESS IS COMPLETE, THE TRUE COLOR WILL RETURN. DO NOT BURN THIS FIREPLACE WITHOUT THE GLASS PROPERLY IN PLACE.

**MAKE SURE THE HOMEOWNER IS AWARE OF THIS**
K) COMPLETE THE INSTALLATION

1. THIS STEP SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER OR SERVICE TECHNICIAN:
   A) Perform lighting and shutdown procedures as described on pages #22-24. This should be done prior to replacing the glass so that any necessary adjustments can be made and proper operation and log position verified.

2. SEASONAL HEAT DUMP ADJUSTMENT:

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

INSTALLER: Please install the fireplace insert with the heat vent damper in the closed position.

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

TO ADJUST:

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.

A. Remove the glass assembly & open or close the damper as desired.

B. Place the bolts through the hinges in the lower grill opening.

C. Attach the 1/4" nuts.

C. Tighten both 1/4" nuts.

3. Replace the glass / black frame assembly. Refer also to Figure K-1.

WARNING: DO NOT OPERATE THIS FIREPLACE WITH THE GLASS ASSEMBLY REMOVED, CRACKED, OR BROKEN. Replacement of the glass assembly should be done by a licensed or qualified service person.

A. Align the 3 slots in the top of the glass assembly over the 3 tabs on the fireplace (at the top).

B. Place the glass assembly so it is flush with the front of the fireplace front.

C. While holding the glass assembly, pull the latches out and secure over the glass latch clips on the bottom of the glass frame locking it in place.

4. Install the lower grill. Refer to Figure K-2.

A. Place the bolts through the hinges in the lower grill opening.

B. Attach the 1/4" nuts.

C. Tighten both 1/4" nuts.
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 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.

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.
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.

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.
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).

**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 shut-off 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.

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 that it is completely sealed. Manometer should read no pressure when the rocker switch is pressed to ‘ON’.

CAUTION: A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION
1. The appliance should be inspected at least once a year by a professional service person.

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

2. 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.

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 the venting system by a qualified agency is required.

1. Remove the glass on the front of the unit.
2. For easier access, remove the logs.
3. Cover the millivolt board system.
4. Loosen the nuts securing the baffle at the back of the firebox and remove the baffle.
5. Examine proper sealing of vent system.
6. Replace baffle and secure the nuts. Tighten nuts only enough to secure baffle. Baffle must be allowed to ‘float’ as the fireplace heats and cools.
7. Replace the logs and glass.

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.

MILLIVOLT BOARD SYSTEM
1. Annual cleaning of the burner is required. The burner tube may be removed for easier access.

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

Figure N-1

Millivolt board

2. Visually check the pilot light and burner when they are burning. See Figures above and below. The flames should be steady, not lifting or floating.

Figure N-2

Burner Orifice

Pilot

GLASS CLEANING & REPLACEMENT
- 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 #700-07T shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc..
- Replacement of the glass assembly, Part #700-07T, must only be performed by a licensed or qualified service person. DO NOT SUBSTITUTE MATERIALS.
- Do not strike or slam glass door assembly.

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

CAUTION: THE FOLLOWING MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.
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 (if installed).
   ♦ Refractory panels must be tight against firebox walls. It may be necessary to secure panels with high-temp sealant, especially around the intake duct.
Replacement parts are available through your local dealer. Contact them for availability and pricing.

<table>
<thead>
<tr>
<th>911XL MILLIVOLT BOARD AND PARTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9XL-770</strong></td>
</tr>
<tr>
<td><strong>9XL-771</strong></td>
</tr>
<tr>
<td>700-023</td>
</tr>
<tr>
<td>700-086N</td>
</tr>
<tr>
<td>700-087A</td>
</tr>
<tr>
<td>700-064</td>
</tr>
<tr>
<td>700-064-I</td>
</tr>
<tr>
<td>700-090</td>
</tr>
<tr>
<td>700-060</td>
</tr>
<tr>
<td>9XL-135</td>
</tr>
</tbody>
</table>

**REFRACTORY PANELS**

| 944-G000 | Side Refractory Panels - 2pc. |
| 944-G001 | Bottom Refractory Panel |

**GLASS & GLASS GASKET**

| 900-005 | Replacement Valance |
| 900-006 | 1-1/8" Glass Gasket w/ Adhesive |
| 700-07T | 17" x 30" Glass with Gasket |

**FAN ASSEMBLIES**

| 911-028 | Fan Kit |

**LOG SET**

| 936-S0ME | 9 pc. Log Set |
| X1 | X1 Log |
| X2 | X2 Log |
| X3 | X3 Log |
| X4 | X4 Log |
| X6 | X6 Log |
| X7 | X7 Log |
| X8 | X8 Log |
| X9 | X9 Log |
| X10 | X10 Log |
| 900-REHB | Rock Wool Embers |
| 900-XLK | Klinkers |

*Consult your dealer for information on optional accessories available for this fireplace.*
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. 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 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 warranties 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 #: ________________

PAGE 31