WARNING: If the information in these instructions is 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.

WHAT TO DO IF YOU SMELL GAS:
- Do not try to light any appliance.
- Do not touch electrical switches; do not use the phone in your building.
- Immediately call your gas supplier from a neighbor’s phone. Follow your gas supplier’s instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation & service must be performed by a qualified installer, service agency, or the gas supplier.

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.

This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

IMPORTANT:
READ INSTRUCTIONS CAREFULLY BEFORE INSTALLATION. FAILURE TO INSTALL THIS FIREPLACE CORRECTLY CAN CAUSE SERIOUS STRUCTURAL AND FIRE HAZARDS AND MAY VOID YOUR WARRANTY.

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

October 2005
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IMPORTANT:

READ THIS MANUAL BEFORE INSTALLING AND USING THIS FIREPLACE

MODEL #55616 'Two Harbors' DIRECT VENT GAS FIREPLACE

This fireplace has been tested to and complies with ANSI Z21.88B-2003 • CSA 2.33B-2003 “VENTED GAS FIREPLACE HEATERS” by OMNI-Test Laboratories, Beaverton, OR. Installation must conform with local building codes or in the absence of local building codes, with the National Fuel Gas Code, ANSI Z223.1/ NFPA 54 - Current Edition, or the Natural or Propane Installation Code, CSA B149.1.

COMMONWEALTH OF MASSACHUSETTS INSTALLATIONS

WARNING: This Product Must Be Installed By A Licensed Plumber Or Gas Fitter When Installed Within The Commonwealth of Massachusetts.

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

WARNING: 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.

WARNING:
DO NOT REPLACE THIS BURNER UNIT WITH ANY OTHER SIZED BURNER. REPLACEMENT WITH AN UNAUTHORIZED BURNER CAN RESULT IN TEMPERATURES EXCEEDING THE LIMITS FOR THIS UNIT, AND VOID YOUR WARRANTY.

IMPORTANT: NON-COMBUSTIBLE FACING MATERIAL MAY BE APPLIED OVER THE FACE. TO PREVENT THE FACING MATERIAL FROM CRACKING AND FALLING OFF DUE TO EXPANSION OF THE FACE WHEN HEATED, DO NOT ATTACH FACING MATERIAL DIRECTLY TO THE FACE OF THE UNIT. DO NOT OBSTRUCT THE FLOW OF VENTILATION AIR.

CONSULT YOUR LOCAL OR NATIONAL INSTALLATION CODES TO ASSURE THAT ADEQUATE COMBUSTION AND VENTILATION AIR IS AVAILABLE.

INSPECT THE FIREPLACE & ALL COMPONENTS

Inspect the fireplace, vent system & all components. Contact your dealer if any parts are damaged or missing. Do not install the fireplace with damaged, incomplete, or substitute parts.

PLANNING THE INSTALLATION

Prior to installation of this fireplace, the following must be considered:

♦ Location of fireplace.
♦ Configuration of vent system.
♦ Gas piping.
♦ Electrical wiring (for optional fan).
♦ Framing.
♦ Hearth height, width & depth. NOTE: A hearth is not required.
♦ Materials used for finishing the fireplace.
♦ Optional accessories used: Fan, wall switch, remote control, thermostat, etc..

NOTE: When the unit is installed directly on carpeting, tile, or other combustible materials other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the unit.

If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over the top of the unit to support the added weight.
SPECIFICATIONS

Height to top of stand-off (without face) .............. 32 ½"
Front width (including stand-offs / without face) .......... 19 ½"
Back width ............................................. 5 1/4"
Depth ..................................................... 14 3/8"
Full Door Face Height .................................. 33 5/16"
Full Door Face Width .................................. 21"
Refer to Diagrams for additional measurements.

FIGURE 1

INSTALLATION REQUIREMENTS:

Minimum clearances from the fireplace to combustible materials:

From unit face top: ........................................... 1"
Unit bottom to flooring: ................................. 0"
Unit side stand-offs to adjacent sidewall: .......... 1"
From unit left & right sides & back: 1/2" *
Unit base to ceiling: ..................................... 52"
Minimum enclosure height: ............................. 47"

* NOTE: The fireplace requires a ½" space between it and the framing at the sides & back. The framing material may touch the sides of the stand-offs, but no material should be placed between the stand-offs.

HEARTH REQUIREMENTS - Figure 2A

When the fireplace is installed on carpet, tile or other combustible material, it must be installed on a metal or wood panel extending the full width & depth of the fireplace.

The minimum platform size is 19 3/4" wide X 14 7/8" deep.

If a hearth extension is desired, combustible materials may be used.

If installed in front of carpet or other flooring, the fireplace must be raised so the bottom of the fireplace is above the carpet or flooring material surface.

MINIMUM ENCLOSURE HEIGHT:

The minimum enclosure height from the base of the fireplace to inside top of the enclosure must be at least 47". Refer to figure 2A.
MANTEL REQUIREMENTS:

From top of upper grill opening to 12" mantel*: 8"

No mantel is allowed from 0" - 8" from the top of upper grill opening.

*Mantel height must be raised 1' for every additional 1' of depth. See figure 2A.

KOZY HEAT CABINET INSTALLATIONS:

If this fireplace will be installed using one of the Kozy Heat Cabinets (wall or corner design), the left & right stand-off brackets on the fireplace must be re-positioned for proper installation. Refer to the cabinet installation instructions for complete information.

VENT SYSTEM APPROVAL & CLEARANCES:

This fireplace is approved for use with the following 5' x 6' Direct Vent chimney systems: Dura-Vent, Ameri-Vent, or Selkirk Metalbestos

Clearance to combustibles:
- Horizontal Sections: Top: 3'
- Sides & Bottom: 1'
- Vertical Sections: All sides: 1'

NOTE: THE RLH DECORATIVE CAPS MAY ALSO BE USED ON THIS FIREPLACE.

IMPORTANT: THE KOZY HEAT WALL THIMBLE PASS-THRU, PART #200-WPT, MUST BE USED ON ALL HORIZONTAL VENT RUNS WHEN A 90-DEGREE ELBOW IS PLACED DIRECTLY ON THE FIREPLACE TO HORIZONTALLY POSITION THE VENT SYSTEM. THE MINIMUM WALL THICKNESS FOR THIS PASS-THRU IS 4 1/2" AND THE MAXIMUM WALL THICKNESS IS 7 1/2".

TYPICAL INSTALLATION OPTIONS:

Typical Horizontal Installation - Figure 3A

Typical Vertical Installation - Figure 3B

Typical Corner Installation - Figure 3C

Shown without horizontal heat shield for clarity.
VENTING REQUIREMENTS:

THIS FIREPLACE IS APPROVED FOR USE WITH THE FOLLOWING 5" X 8" DIRECT VENT SYSTEMS FOR HORIZONTAL AND VERTICAL TERMINATIONS: SIMPSON DURA-VENT DV-GS, AMERI-VENT & SELKIRK METALBESTOS.

THIS FIREPLACE IS DESIGNED TO BE USED WITH ANY OF THE ABOVE VENT SYSTEMS WITHOUT THE USE OF AN ADDITIONAL ADAPTOR.

NOTE: THE RLH DECORATIVE CAPS MAY ALSO BE USED ON THIS FIREPLACE.

Contact your dealer for the appropriate venting components for your specific application.

Refer to the vent system manufacturer’s installation manual for complete installation instructions. Installation must conform with the venting requirements & restrictions as outlined in this manual.

IMPORTANT: Consult the local and national installation codes to assure that adequate combustion and ventilation air is available.

SECURING THE VENT SYSTEM:

All Horizontal & Vertical Applications

The secure the vent system to the fireplace, 3 evenly spaced tabs have been incorporated into the top.

1. Bend the (3) tabs on the fireplace top to the ‘up’ position.
2. Install the first vent pipe section in its proper position.
3. Secure the vent system to the fireplace through the tabs with 3 screws.

Using the tabs at the top of the fireplace, secure vent pipe section to the fireplace with screws.
VENTING SPECIFICATIONS:

IMPORTANT: Flame height and appearance will vary depending upon venting configuration and type of fuel used.

HORIZONTAL TERMINATIONS:

IMPORTANT: The horizontal heat shield included with this fireplace must be installed when using a 90-degree elbow to horizontally position the vent system.

Minimum: 90-degree elbow at start followed by horizontal termination cap.
Maximum: 90-degree elbow at start followed by a maximum 8 ft.

NOTE: Typical direct-thru-the-wall venting configuration: 90-degree elbow at start, followed by a min 6" pipe section (depending on exterior wall thickness), then horizontal termination cap.

VERTICAL TERMINATIONS:

Minimum: 3 ft.
Maximum: 31 ft.

ELBOWS:

(2) 90-DEGREE ELBOWS MAY BE USED WITHIN THE MAXIMUM HORIZONTAL & VERTICAL VENT RUN. FOR EACH ADDITIONAL ELBOW USED, 3 FT. MUST BE SUBTRACTED FROM THE MAXIMUM VENTING ALLOWED. NOTE: (2) 45-DEGREE ELBOWS MAY BE USED IN PLACE OF (1) 90-DEGREE ELBOW.

HORIZONTAL & VERTICAL COMBINATION:

8 FT. HORIZONTAL / 31 FT. VERTICAL.
MINIMUM HORIZONTAL VENTING

IMPORTANT: THE TWO HARBORS WALL PASS-THRU, PART #TWO-WPT MUST BE USED ON ALL HORIZONTAL VENT RUNS. THE MINIMUM WALL THICKNESS FOR THIS PASS-THRU IS 4 1/2" AND THE MAXIMUM WALL THICKNESS IS 7 1/2".

Minimum horizontal venting

NOTE: Horizontal Vent Heat shield must be installed when using a 90°-degree elbow to horizontally position the vent system.

![Image of Horizontal Termination Cap and 90-Degree Elbow]

**Figure 4A**

Minimum corner installation

NOTE: Horizontal Vent Heat shield must be installed when using a 90°-degree elbow to horizontally position the vent system.

![Image of Corner Installation Diagram]

**Figure 4B**

**NOTE:** Horizontal heat shield not shown in the above diagrams for clarity.
GENERAL:

1. Terminations against vinyl siding must use a vinyl siding protector. Follow instructions included.
2. DO NOT RECESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS - i.e.: brick, stone, siding, etc.. If necessary, extend framing so that termination kit will be exposed once building materials are installed.
3. Vent termination must not be located where it will become plugged by snow or other material. The flow of combustion and ventilation air must be not obstructed.

LOCATION CLEARANCES:

1. Above grade, veranda, porch, deck, balcony - 12". (A)
2. Operable window - 12" (B)
3. Permanently closed window* - 12" (recommended to prevent condensation on window) (C)
4. Ventilated soffit* - 18" (D)
5. Unvented soffit* - 11" (E)
6. Inside Corner - 1" (F)
7. Outside Corner 0" (G)
8. Meter / Regulator: NOT TO BE INSTALLED ABOVE within 3 ft. horizontally from the center line of the regulator.
9. Service regulator vent outlet - 3 ft. radius
10. Non-mechanical air supply inlet to building - 12"
11. Combustion air inlet to any other appliance - 12"
12. Mechanical air supply inlet (H) - CANADA: 6 ft. US: 3 ft. above if within 10 ft. horizontally.
   NOTE: Massachusetts installations: 10 ft.
13. Above furnace exhaust or inlet - 12"
14. Above paved side-walk or paved driveway located on public property - 7 ft. (I)
   NOTE: A vent cannot be located directly above a side-walk or paved driveway that is located between two single family dwelling and serves both dwellings.
15. Under veranda, porch, deck, or balcony (must be fully opened on a min. of 2 sides) - 12" (J)
16. Between two horizontal terminations - 12"
17. Between two vertical terminations - 12" (K) - Note: May be the same height

*Clearance must be in accordance with local installation codes & the requirements of the gas supplier.

FIGURE 5

DENOTES WHERE INSTALLATION NOT ALLOWED
(1) OPERABLE WINDOW
(2) PERMANENTLY CLOSED WINDOW
WHEN VERTICALLY TERMINATING, THE MINIMUM CHIMNEY HEIGHT ABOVE THE ROOF LINE IS DETERMINED BY THE FOLLOWING CHART:

<table>
<thead>
<tr>
<th>Roof Pitch</th>
<th>Minimum Chimney Height</th>
<th>Roof Pitch</th>
<th>Minimum Chimney Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat to 6/12</td>
<td>1 ft.</td>
<td>13/12 to 16/12</td>
<td>6 ft.</td>
</tr>
<tr>
<td>6/12 to 9/12</td>
<td>2 ft.</td>
<td>17/12 to 21/12</td>
<td>8 ft.</td>
</tr>
<tr>
<td>10/12 to 12/12</td>
<td>4 ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**RESTRICCTOR USAGE:**

A restrictor plate has been included with this fireplace and usage may be required depending on your specific venting configuration, i.e.: number of elbows, length of vertical vent run, etc. All of these 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’. Refer to page #9 for complete installation instructions.

**NOTE:**  Horizontal Vent Heat shield is not used on Vertical venting configurations.

Figure 6

![Diagram of Vertical Termination Cap](image)
DETERMINE LOCATION

1. Determine the exact position of your fireplace, the width, depth and height of the hearth (optional), and location of the vent system termination. If possible place the fireplace in such a manner that the vent termination will be placed between two studs so additional framing is not necessary.

HEARTH REQUIREMENTS: When the fireplace is installed directly on carpet, tile or other combustible material, it must be installed on a wood or metal panel extending the full width and depth of the fireplace. The minimum platform size is 19 3/4" wide x 14 7/8" deep.

If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over the top of the fireplace to support the added weight.

IMPORTANT - Vent cap location must be in compliance with the guidelines on page 6 of this manual.

2. HORIZONTAL TERMINATIONS:

Frame an 12 1/8" high (H) x 10 1/8" wide (W) opening on the exterior wall for the chimney termination. This opening size includes the required 3" clearance at the top of the vent pipe and 1" clearance at the sides and bottom of the vent pipe.

STRAIGHT WALL / CORNER INSTALLATIONS:

To achieve the minimum horizontal venting requirements for RIGID PIPE APPLICATIONS, a minimum of 41 1/4" (A) to the top of the vent pipe and 44 1/4" (B) to the top of the framed opening from the floor or hearth the fireplace is setting on is required. See figure 7A.

3. VERTICAL TERMINATIONS: Follow vent pipe manufacturer’s installation instructions for vertical terminations. A minimum 1" clearance on all sides of vertical vent pipe sections must be maintained.

The horizontal vent heat shield is not used for vertical venting configurations.

CAUTION: COLD AIR TRANSFER AREA. THE SURROUNDING CHASE OF THE FIREPLACE MUST COMPLY WITH ALL CLEARANCES AS OUTLINED IN THIS MANUAL AND BE CONSTRUCTED IN COMPLIANCE WITH LOCAL BUILDING CODES. OUTSIDE WALLS SHOULD BE INSULATED TO PREVENT COLD AIR FROM ENTERING THE ROOM.

NOTE: Due to high temperatures, this unit should be located out of traffic areas and away from furniture and draperies.

4. Build the hearth to the desired size and height. If a hearth extension is desired, combustible material may be used.

5. Rough in the wall enclosure. Figure 7B.

IMPORTANT: Framing dimensions should allow for wall covering thickness and fireplace facing materials. Adjust rough opening size as necessary to maintain at least the minimum clearance requirements.

MINIMUM FINISHED OPENING DIMENSIONS (Wall covering / facing materials included):

32 5/8" high x 19 3/4" wide x 14 7/8" deep*

*½" clearance at the back & sides of the fireplace must be maintained. Refer to figures 3B & 3C, page 3.
NOTE: Provide adequate clearance in front of the fireplace to access the control valve, install and attach gas line, install a fan, etc.

Do not obstruct the upper and lower convection air passage areas to allow proper ventilation air around the unit. Room air enters through the lower passage, is heated and exits at the upper passage. Blocking these passages may result in overheating the fireplace creating a potentially hazardous situation.

PREPARE THE FIREPLACE

HORIZONTAL VENTING CONFIGURATIONS USING A 90-DEGREE ELBOW DIRECTLY OFF THE TOP OF THE FIREPLACE:

1. Position and install the 90-degree elbow per manufacturer's installation instructions.

ATTACH THE HORIZONTAL VENT HEAT SHIELD:

1. Loosen, but do not remove the (2) screws at the top of the fireplace as shown in figure 8A.
2. Slide the (2) slots on the horizontal vent heat shield under the screws. Re-tighten the screws to secure in place. Refer to Figure 8B.

VERTICAL TERMINATIONS:

RESTRICTOR USAGE (optional):

1. The restrictor plate (included in the fireplace components packet) should be placed inside the 5" flue collar on the top of the fireplace before connection of the chimney to the fireplace is made.
   a. Bend the (3) tabs on the restrictor plate far enough so that it will securely fit inside the groove on the 5" collar on the fireplace. (Note: The tabs should be in the 'up' position.) Refer to figure 9.
POSITION THE FIREPLACE

1. Place the fireplace into position.

   Framing header may be installed after the fireplace is placed into position.

   IMPORTANT: PLACE HEADER IN THE ‘UP’ POSITION TO MAINTAIN PROPER CLEARANCE FROM VENT SYSTEM TO COMBUSTIBLES

   Figure 10

   NOTE: Shown in horizontal vent configuration

2. REMOVE THE GLASS ASSEMBLY.

   Figure 11

   TOP LATCH BAR PULL OUT AND UP

   BOTTOM LATCH BAR PULL OUT AND DOWN

   A. Locate the spring-loaded latch bars securing the glass assembly at the top & bottom of the firebox.
   
   CAUTION: TO PREVENT THE GLASS ASSEMBLY FROM FALLING FROM THE FIREPLACE AND BECOMING DAMAGED, FOLLOW THESE DIRECTIONS EXACTLY WHEN REMOVING THE GLASS ASSEMBLY.

   B. Pull the bottom latch bar out, then ‘down’ to release the glass assembly at the bottom.
   C. Pull the top latch bar out, then ‘up’ to release the glass assembly at the top.
   D. Lift the glass assembly off from the front of the fireplace and set aside where it will not be broken.
   E. Remove the log package from the firebox and set aside.

VENT SYSTEM INSTALLATION:

Install the vent system components for your specific venting configuration. Follow the vent system manufacturer’s installation instructions in conjunction with the venting requirements in this installation manual.

HORIZONTAL & VERTICAL TERMINATIONS: All firestops, support brackets, etc. must be used as specified by the vent system manufacturer. All clearances and venting requirements as specified in this manual must be followed. Secure the vent system to the fireplace - see page 4.

Refer to pages 4 - 8 of this installation manual for complete venting requirements and restrictions.

HORIZONTAL TERMINATIONS:

IMPORTANT: The Kozy Heat wall pass-thru, part #TWO-WPT, must be used on all horizontal vent applications regardless of which vent system you are using.
FAN KIT #TH-028 INSTALLATION INSTRUCTIONS

IMPORTANT: If a fan is going to be installed, it is easier to complete before the millivolt board is connected to the gas line.

The wiring must be done prior to enclosing the sides of the unit.

NOTE: An electrical box & romex connector are installed on the right side of the fireplace at the factory. The receptacle / speed control assembly and mounting screws are included in the fireplace components packet.

This optional fan kit #TH-028 includes: (1) Fan assembly with temperature control switch pre-wired into the fan cord.

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

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.

FIGURE 12
INSTALLATION INSTRUCTIONS

THE FOLLOWING COMPONENTS MUST BE REMOVED FROM THE FIREPLACE PRIOR TO INSTALLATION OF THIS FAN. REFER TO THE FIREPLACE INSTALLATION MANUAL FOR ASSISTANCE IF NECESSARY.

1. Full door face. Refer to page #18 if necessary.
2. Glass assembly.

NOTE: Millivolt board has been removed for clarity. It is not necessary to remove the millivolt board to install this optional fan kit.

INSTALL THE FAN:

1. Slide the fan through the lower air passage opening (right side of the valve) placing it at the back of the fireplace.

   NOTE: The fan bracket is held in position by a magnetic strip attached to the bottom of the bracket.

2. OPTIONAL: Remove the (2) screws securing the access panel (with electrical box & romex connector installed) from right side wall of the fireplace.
3. Insert 115V wiring (with ground) through the romex connector and wire to the receptacle / speed control assembly.
4. Replace the electrical access panel and secure with the (2) screws removed.
5. Secure speed control / receptacle assembly into the electrical box with the screws provided.
6. Place the temperature control switch on the bottom of the firebox. Refer to figure 13.
7. Plug the fan cord into receptacle in the electrical box.
8. Turn the on/off speed control counter-clockwise until it ‘clicks’. This is the ‘OFF’ position.
9. Turn the speed control ‘ON’ by turning the knob clockwise past the ‘click’ - this is the highest setting.
10. Replace the glass assembly.
11. Replace the full door face.

Figure 13

NOTE: The 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 when the fireplace heats and cools. Adjust fan to desired speed while it is running.

TEMPERATURE CONTROL SWITCH POSITION: Prior to adjusting the temperature control switch, unplug the 3-prong plug on the fan cord from the receptacle. Adjust the position of the temperature control switch to a warmer location under the firebox to turn the fan ‘ON’ sooner or move it to a cooler location under the 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 sensors reach 90°F. After adjustment, plug the 3-prong plug on the fan cord into the receptacle.

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.
RUN THE GAS LINE.

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

GAS CONVERSIONS

If a gas conversion is necessary, one of the following conversions kits must be used:

Natural Gas Conversion Kit #OCK-H50N - used to convert an LP Gas millivolt board to natural gas.

LP Gas Conversion Kit #OCK-H57L - used to convert a Natural Gas millivolt board to LP Gas.

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

NOTE: This unit is equipped with a 3/8" x 12" long flexible gas connector and manual shut off valve.

NOTE: The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect.

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

NATURAL GAS:

The minimum inlet gas supply pressure: 5.0 inches W.C. (7.0 inches W.C. recommended)
The maximum inlet gas supply pressure: 10.5 inches W.C.
Manifold pressure: 3.5 inches W.C.
Manifold pressure (lo setting): 1.7 inches W.C.

Orifices sizes: #50  Input: 14,600 BTU/hr.
                            Minimum input: 10,700 BTU/hr.

LP GAS:

The minimum inlet gas supply pressure: 11.0 inches W.C. (recommended)
The maximum inlet gas supply pressure: 13.0 inches W.C.
Manifold Pressure: 10.0 inches W.C.
Manifold Pressure (lo setting): 5.4 inches W.C.

Orifices size: #57  Input: 14,700 BTU/hr.
                             Minimum input: 10,700 BTU / hr.

This fireplace is equipped for use at altitudes of 0-2,000 ft. in the U.S. and 0-4,500 ft. in Canada.

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

1. Run the gas line. Gas line holes are positioned on both sides of the fireplace for gas line connection. An accessible shut off valve (included) must be installed up stream from the regulator.

NOTE: Do not run the incoming gas line in a manner that would obstruct the operation of the optional fan.
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.

3. Connect the gas line to the manual shut-off valve.

4. Connect the flexible gas line (installed on the millivolt board valve) to the manual shut off valve.

---

**IMPORTANT:**

**ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE MUST BE CHECKED FOR LEAKS!**

---

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 test pressures in excess of ½ psi.

NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psi.

Pressure check taps for both the manifold (outgoing) & 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 #21 for checking these pressures.

---

(H) **SECURE THE MILLIVOLT BOARD:**

This unit is equipped with the millivolt board and burner assembly already installed.

1. Referring to the ‘INSTALLING THE MILLIVOLT BOARD’ section on pages 23-24, check to ensure that all (7) screws securing the millivolt board are in place and properly tightened.

2. Ensure that the burner tube is properly positioned over the burner orifice.

---

(I) **ADJUST EXHAUST DAMPER POSITION - LP GAS HORIZONTAL VENT CONFIGURATIONS:**

The exhaust damper is set in the ‘closed’ position at the factory. (Note: Even though we refer to this as the ‘closed’ position, approximately ½" opening will remain.)

If you are using LP gas and a horizontal vent configuration, the damper may need to be re-set to a more open position. The damper should be far enough open to prevent the fireplace flame from burning ‘dirty’, which will result in soot accumulation on the glass.

**TO ADJUST:** Loosen the wing nuts securing the damper and slide the damper toward the front of the fireplace. Re-tighten the wing nuts to secure in position.

---

*Figure 14*
LOG INSTALLATION

This TWO-500 log set includes 5 logs & 1 pkg. rockwool burning embers. The logs are numbered on the bottom side - refer to the instructions below for proper placement.

1. Position base log #1 onto the burner aligning the notched out section in the bottom center of the log over the pilot shield as shown in figure 15A. DO NOT ALLOW THE LOGS TO COVER THE PORT HOLES ON THE BURNER.

2. Re-position the ember refractory panel, if necessary, at the front of the burner as shown in figure 15A.

3. Brush rockwool burning embers onto the burner as shown in figure 15B.

4. Place top logs #2 & #3 into position over the base logs and ember refractory panel as shown in figure 15C.

5. Place the #4 logs into position on the ember refractory panel as shown in figure 15C.
If desired, a thermostat (wireless style 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 the on/off rocker switch wires from the top & bottom terminals on the gas valve.

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

WALL SWITCH / THERMOSTAT USERS:

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

Attached the appropriate connector to each wall switch / thermostat wire and connect to the top and bottom terminals on the gas valve marked ‘TH’.

REMOTE CONTROL USERS:

Follow instructions included with the remote control.

IMPORTANT: The insulated cover included with the remote control must be placed over the remote receiver to protect it from overheating.

IMPORTANT: If the 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 the 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 the fireplace is turned ‘ON’ by the remote control, it must be turned ‘OFF’ by the remote control.
COMPLETE THE INSTALLATION

1. A) If not previously done, plumb & level the unit and secure the fireplace to the framing using the stud tabs located on the sides of the unit. The stud-tabs are adjustable to accommodate the thickness of finish material you are using. To adjust, loosen the screws securing it to the sides of the fireplace and slide to desired position. Re-tighten the screws to secure in place.

   **CAUTION:** NEVER PERMANENTLY REMOVE THIS ASSEMBLY FROM THE FIREPLACE - IT MUST BE SECURED IN PLACE REGARDLESS OF FINISH MATERIAL USED.

B) Use screws (not provided) to secure the unit to the flooring through the holes located in the bottom of the outer box.

   **IMPORTANT - MOBILE HOME INSTALLATIONS: THE FIREPLACE MUST BE SECURED TO THE FLOOR.**

C) Complete the fireplace walls, and the fireplace facing. If tile or marble is used around or over the face of the fireplace, we recommend using rock board as a backer.

   **COLD AIR TRANSFER:** The surrounding wood chase of the outside wall must be insulated to prevent cold air from entering the room.

2. **THIS STEP SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER OR SERVICE TECHNICIAN:**

   A) Perform lighting and shutdown procedures as described on pages #19-20. This should be done prior to replacing the glass so that any necessary adjustments can be made and proper operation verified.

3. **Replace the glass.**

   A) Place the glass assembly onto the front of the fireplace and secure with the spring-loaded handles **FIRST AT THE TOP, THEN AT THE BOTTOM** of the firebox. **CAUTION: TO PREVENT THE GLASS ASSEMBLY FROM FALLING OFF WHEN INSTALLING ON THE FIREPLACE, SECURE THE TOP GLASS LATCH BRACKETS FIRST, THEN THE BOTTOM.**

   **WARNING: DO NOT OPERATE THIS FIREPLACE WITH THE GLASS ASSEMBLY REMOVED, CRACKED OR BROKEN. Replacement of the glass assembly, part #TWO-015T should be done by a licensed or qualified service person.**

5. **Install the full door face:**

   1. Mount the left and right doors onto the hinges on the full door face.

   2. Align the hooks (A) at the back of the full door face to the slots located in the face of the fireplace and set down into position. Figure 18.

   **Figure 18**
LIGHTING AND SHUTDOWN PROCEDURES

NOTE: Prior to lighting, check all fittings for leakage. This is accomplished by applying soapy water on all connections made. If there is any leakage, bubbles will appear at the point of connection. If bubbles occur, tighten the fittings until the bubbles no longer appear.

IMPORTANT: TEST ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE.

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 test pressures in excess of 1/2 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 1/2 psig (3.5 kPa).

Pressure check taps for 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 #21 for checking these pressures.

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.

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 that 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, don't 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.

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.

WHAT TO DO IF YOU SMELL GAS:
*Do not touch electrical switches.
*Do not try to light any appliance.
*Do not use any phone in your building.
*Follow the gas supplier's instructions
*Immediately call your gas supplier from a neighbor's phone.
*If you cannot reach your gas supplier, call the fire department.

LIGHTING INSTRUCTIONS

NOTE: Read 1-8 before lighting the unit for the first time. Refer to figure 19, page 20.

1. Set the thermostat to the lowest setting, if installed.
2. Turn off all electric power to the appliance. (Fan)
3. Open the lower air passage panel to access the gas valve & controls.
4. Push in control knob (A) slightly and turn clockwise to "OFF".

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

5. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow the safety information on the cover page of this installation manual. If you don't smell gas, go to the next step.

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

7. Turn the control knob (A) on gas valve counterclockwise to "PILOT".
8. Push in the control knob all the way and hold in. Press the square BLACK piezo igniter button (B).

The pilot will generally light with two or three pushes on the igniter. Hold the knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back out. Pilot should remain lit. If it goes out, repeat steps 4 through 8.

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

9. Turn gas control knob counterclockwise to the "ON" position.

10. The burner can now be turned 'ON' or lit by depressing the bottom of the ON/OFF rocker switch (C) located beside the valve OR by setting the thermostat or remote control to the desired setting.

11. NOTE: When the unit is initially lit, condensation will appear on the glass, this is normal in all gas fireplaces, and will disappear in one to three minutes.

TO TURN THE BURNER OFF:

To turn the burner 'OFF', depress the ON/OFF rocker switch to 'OFF', flip 'off' the wall switch or adjust the setting on the thermostat or remote control. NOTE: The pilot will stay lit.

TO TURN THE PILOT OFF:

To turn off the pilot, push in and turn the control knob to the "OFF" position. DO NOT FORCE.

WARNING: This control valve has an interlock device. After turning off the pilot, it cannot be relit until the thermocouple has cooled, (approximately 60 seconds).

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

INITIAL BURN PERIOD

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

**MAKE SURE THE HOMEOWNER IS AWARE OF THIS**

NOTE: Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the appliance.

Clothing or other flammable material should not be placed on or near the appliance.
IMPORTANT NOTICE: A pressure check tap for both the manifold (outgoing) and inlet (incoming) pressure has been incorporated into the valve by Honeywell. The right pressure tap is the manifold pressure and the left pressure tap measures the incoming pressure. Follow the instructions below for proper pressure testing procedures.

TO CHECK THE MANIFOLD PRESSURE:

1. Light pilot.
2. Loosen the manifold pressure tap [D] by turning the screw counter-clockwise.
3. Attach manometer to pressure tap using a 5/16" I.D. hose [F].
4. Turn black control knob [A] to the ‘ON’ position.
5. Turn the burner ‘ON’ by depressing the bottom of the rocker switch [C] and note manometer reading.
6. Turn the rocker switch [C] to the ‘OFF’ position.
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 turned ‘ON’.

NOTE: If manifold pressure reading is within the normal range, an incoming pressure check is not necessary. A too high or too low pressure reading warrants an inlet (incoming) gas pressure check.

TO CHECK THE INLET PRESSURE:

1. Loosen Inlet pressure tap screw [E] by turning screw counter-clockwise.
2. Attach manometer using a 5/16" I.D. hose [F].
3. Light the pilot.
4. Turn the black control knob [A] to the ‘ON’ position. (Burner should not come ‘ON’) and note manometer reading.
5. Turn the rocker switch [C] to the ‘ON’ position by depressing the bottom of the switch and check the pressure to ensure that it stays near the maximum inlet pressure.
6. Turn the rocker switch [C] to the ‘OFF’ position.
7. Turn the pilot to the ‘OFF’ position.
8. Disconnect hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
9. Relight pilot and turn the control knob [A] to the ‘ON’ position. Attach manometer to the 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.

CAUTION: A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION.

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Figure 20
MAINTENANCE REQUIREMENTS

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 MATERIALS, 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.

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

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

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

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

MILLIVOLT BOARD SYSTEM
1. Annual cleaning of the burner is required. The burner & cover assembly may be removed for easier access.
2. Refer to pages #23-#24 for complete instruction on removing & reinstalling the burner & cover assembly.
12. Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.
4. Replace the burner cover following instructions on page #23.
5. Visually check the pilot light and burner when they are burning. The flames should be steady, not lifting or floating.

GLASS CLEANING & REPLACEMENT
• Clean glass only when cool and only with non-abrasive cleansers.
• Do not operate this fireplace with the glass/frame assembly remove, cracked or broken.
• The glass assembly, Part #TWO-015T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.
• Replacement of the glass & gasket assembly, Part #TWO-015T, 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.
MILLIVOLT BOARD REMOVAL / INSTALLATION

NOTE: This fireplace is equipped with the millivolt board, burner & burner cover already installed. Follow instructions ‘INSTALLING THE BOARD’ on page #24 to properly secure the millivolt board in place. Follow these procedures should the millivolt board need replacing or is removed for servicing.

MILLIVOLT BOARD REMOVAL:

CAUTION: If the burner and/or pilot has been burning, the logs and refractory will be hot and continue to hold heat. Use the appropriate protection to avoid burns and place them on a properly protected surface upon removal to avoid damage to flooring or personal property.

1. Remove the full door face. Refer to page #18 for additional information if necessary.
2. Turn the black control knob on the gas valve to the ‘OFF’ position.
3. Shut off the gas supply at the manual shut-off valve.
4. Disconnect the gas line flex tube from the manual shut-off valve.
5. Disconnect any wall switch, remote control or thermostat wires from the top & bottom terminals on the gas valve.
6. Remove glass assembly. Refer to page #11 for additional information if necessary.
7. Remove the logs and ember refractory from the burner assembly and set aside on the properly protected surface.
8. Remove the pilot shield.
9. Remove the screw securing the burner assembly.
10. Remove the burner assembly by lifting it up while slightly tilting the right side releasing it from the burner orifice. Remove the burner assembly from the firebox.

11. Loosen and remove the (7) screws securing the board. Refer to figure 21B.
12. Carefully lift the board up & remove from the firebox.

Figure 21A

Figure 21B
MILLIVOLT BOARD INSTALLATION:

NOTE: The millivolt board is fitted with a gasket to seal the millivolt board. Make certain this gasket is properly placed around the opening before installing the millivolt board. If the gasket is damaged, a replacement one must be used.

1. Grasp the board with both hands and place inside the firebox, aligning the (7) mounting holes in the board to the corresponding holes in the bottom of the firebox. Secure with the (7) screws previously removed. Refer to figure 21B.
2. Replace the burner assembly, ensuring the burner venturi is properly positioned over the burner orifice.
3. Secure the burner assembly at the back with the screw previously removed.
4. Replace the pilot shield.
5. Replace the ember refractory and logs. Refer to page #16 for proper placement if necessary.
6. Re-connect the flexible gas line to the manual shut-off valve.
7. Re-connect any wall switch, remote control or thermostat wires onto the top & bottom terminals on the gas valve.
8. Replace the glass assembly.
9. Check all connections for gas leaks, whether field or factory made.
10. Verify proper operation of the fireplace & log position. Refer to the lighting instructions in this manual.
11. Replace the full door face. Refer to page #18 for additional information if necessary.

IMPORTANT: CHECK ALL CONNECTIONS, WHETHER FIELD OR FACTORY MADE, FOR LEAKS!
TROUBLE SHOOTING GUIDE

NOTE: The millivolt board includes the following items: Valve, pilot assembly, piezo, electrode, pilot shield, on/off rocker switch, burner, & burner orifices. If any of these items are defective, contact your dealer for the appropriate repair / replacement procedures to follow.

WARNING: DO NOT ATTEMPT TO SERVICE THIS UNIT IF YOU ARE NOT A QUALIFIED INSTALLER OR REPAIRMAN.

1. If the unit fails to ignite a qualified service person should check the unit installation.
2. It is imperative that the control compartment, burner and circulation air passageways of the fireplace be kept clean. This is necessary to provide adequate combustion and ventilation air.
3. All of the working parts of this unit can be removed at one time. Before removing millivolt board, check for loose wires.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) No spark when piezo button is depressed</td>
<td>The nut which holds the piezo in place is loose.</td>
<td>Tighten nut.</td>
</tr>
<tr>
<td></td>
<td>Wire on back of piezo button is loose or off.</td>
<td>Put wire back into place.</td>
</tr>
<tr>
<td></td>
<td>Wire from piezo to electrode is loose at electrode.</td>
<td>Reconnect wire.</td>
</tr>
<tr>
<td></td>
<td>Electrode moved out of position.</td>
<td>Realign electrode with 1/8&quot; space between it &amp; the pilot.</td>
</tr>
<tr>
<td>B) Pilot won't light</td>
<td>Gas shut off.</td>
<td>Turn Gas ON.</td>
</tr>
<tr>
<td></td>
<td>Gas line not purged.</td>
<td>Hold black control knob in long enough to purge line.</td>
</tr>
<tr>
<td></td>
<td>Not holding black control knob in long enough.</td>
<td>Hold in longer.</td>
</tr>
<tr>
<td></td>
<td>No spark at piezo.</td>
<td>See problem #1.</td>
</tr>
<tr>
<td>C) Pilot won't stay lit</td>
<td>Not holding black control knob in long enough.</td>
<td>Hold button in longer to heat thermocouple.</td>
</tr>
<tr>
<td></td>
<td>Thermocouple connection loose at valve connection.</td>
<td>Check connection on valve and tighten if necessary.</td>
</tr>
<tr>
<td></td>
<td>Pilot hood misdirecting pilot flame from thermocouple.</td>
<td>Check pilot flame location. Flame must be burning on generator and thermocouple.</td>
</tr>
<tr>
<td></td>
<td>Refractory panels not positioned against firebox back &amp; sides.</td>
<td>Secure refractory panels with high-temp sealant, especially around the intake duct.</td>
</tr>
</tbody>
</table>
**PROBLEM**

Burner won’t light

**CAUSE**

Pilot not lit

Regulator valve not turned “ON”.

Rocker switch not turned “ON”.

Rocker switch wires not connected.

Generator wires loose at regulator terminals

Generator wire grounded out due to pinching of wires

Generator is not producing enough millivolts to operate burner.

Wall switch, remote control or thermostat not connected properly or turned to wrong setting. See figures 16A & 16B, page 17.

**SOLUTION**

Relight pilot

Turn valve to “ON”

Press bottom of switch.

Check wiring diagram Figure 22 to ensure that all wires are secure.

Reposition wire and tighten screws. See Figure 22 for wiring instructions.

Screws securing millivolt board may need loosening to remove pinched wire.

Replace generator.

Connect properly or disconnect and use on/off switch only.

**D) Burner won’t stay lit**

Generator wires loose on valve terminals.

Generator wire grounded out due to pinched wires.

Generator is not producing enough millivolts to sustain burner operation.

Refractory panels not positioned against firebox.

**WIRING DIAGRAM**

*Figure 22*
# REPLACEMENT PARTS

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

## MILLIVOLT BOARD AND PARTS

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO-800</td>
<td>Two Harbors Millivolt Board - Natural Gas</td>
</tr>
<tr>
<td>TWO-801</td>
<td>Two Harbors Millivolt Board - LP Gas</td>
</tr>
<tr>
<td>700-023</td>
<td>On/Off Rocker Switch</td>
</tr>
<tr>
<td>700-057</td>
<td>Honeywell valve - Natural Gas</td>
</tr>
<tr>
<td>700-057-1</td>
<td>Honeywell valve - LP Gas</td>
</tr>
<tr>
<td>700-059</td>
<td>Thermocouple</td>
</tr>
<tr>
<td>700-060</td>
<td>Flexible Pilot Tubing (Valve to Pilot)</td>
</tr>
<tr>
<td>700-063</td>
<td>Pilot/Generator/Thermocouple - Natural Gas</td>
</tr>
<tr>
<td>700-063-1</td>
<td>Pilot/Generator/Thermocouple - LP Gas</td>
</tr>
<tr>
<td>700-092</td>
<td>Millivolt Generator</td>
</tr>
<tr>
<td>700-203</td>
<td>Manual Shut off Valve</td>
</tr>
<tr>
<td>700-212</td>
<td>12&quot; Flexible Gas Line</td>
</tr>
<tr>
<td>700-223</td>
<td>6&quot; Flexible Gas Line - Valve to Burner connection</td>
</tr>
<tr>
<td>700-228</td>
<td>3/4&quot; Male 'T'</td>
</tr>
<tr>
<td>700-250</td>
<td>Natural Gas orifice #50</td>
</tr>
<tr>
<td>700-257</td>
<td>LP Gas orifice #57</td>
</tr>
<tr>
<td>700-075</td>
<td>Natural Gas conversion cap</td>
</tr>
<tr>
<td>700-076</td>
<td>LP Gas conversion cap</td>
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<tr>
<td>OCK-H50N</td>
<td>Natural Gas Conversion Kit</td>
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<tr>
<td>OCK-H57L</td>
<td>LP Gas Conversion Kit</td>
</tr>
<tr>
<td>TWO-135</td>
<td>Burner</td>
</tr>
<tr>
<td>TWO-043</td>
<td>Pilot Shield</td>
</tr>
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## GLASS & GLASS GASKET

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<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO-015T</td>
<td>21&quot; x 14&quot; Glass with gasket</td>
</tr>
<tr>
<td>900-006</td>
<td>1 1/8&quot; Glass gasket w/ adhesive</td>
</tr>
<tr>
<td>TWO-005</td>
<td>Replacement Valance</td>
</tr>
</tbody>
</table>

## MISCELLANEOUS

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO-WPT</td>
<td>Wall Pass-Thru</td>
</tr>
</tbody>
</table>

## LOG SET

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO-500</td>
<td>Log Set</td>
</tr>
<tr>
<td>TWO1</td>
<td>#1 Log</td>
</tr>
<tr>
<td>TWO2</td>
<td>#2 Log</td>
</tr>
<tr>
<td>TWO3</td>
<td>#3 Log</td>
</tr>
<tr>
<td>TWO4</td>
<td>#4 Log</td>
</tr>
<tr>
<td>900-REMB</td>
<td>Rockwool Embers</td>
</tr>
</tbody>
</table>

## REFRACTORY PANELS

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO-G900</td>
<td>Refractory Panel Set - 6 pc.</td>
</tr>
<tr>
<td>TWO-G900B</td>
<td>Back Refractory panel</td>
</tr>
<tr>
<td>TWO-G900LS</td>
<td>Left Side Refractory Panel</td>
</tr>
<tr>
<td>TWO-G900RS</td>
<td>Right Side Refractory Panel</td>
</tr>
<tr>
<td>TWO-G902</td>
<td>Top Refractory panel</td>
</tr>
<tr>
<td>TWO-G903LC</td>
<td>Left Corner Refractory Panel</td>
</tr>
<tr>
<td>TWO-G903RC</td>
<td>Right Corner Refractory Panel</td>
</tr>
<tr>
<td>TWO-900E</td>
<td>Ember Refractory</td>
</tr>
</tbody>
</table>

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

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**This appliance tested & certified by:**

OMNI-Test Laboratories, Inc.
5465 SW Western Avenue
Beaverton, Oregon 97075

**Model #55616 ‘Two Harbors’**

October 2005

**Manufactured by:**

Hussson Mfg. Co., Inc
204 Industrial Park Drive
Lakefield, MN 56150
507-662-6641

www.kozyheat.com
KOZY HEAT GAS BURNING FIREPLACE
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.

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

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

LIMITATION OF LIABILITY

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

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

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

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

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

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

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

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

WARRANTY CONDITIONS & REQUIREMENTS:

1. You are the original purchaser. This warranty is not transferable.
2. Installation of the fireplace is performed by a qualified installer.
3. Installation and operation must comply with installation and operation instructions.
4. Paint and glass gaskets are covered for 30 days from date of purchase.
5. Components (including glass panels) broken, 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: ____________________________
ADDRESS: ____________________________

INSTALLATION DATE: __________
MODEL#: ________ SERIAL #: ________

TELEPHONE # __________

INSTALLER NAME: ____________________________
ADDRESS: ____________________________

TELEPHONE # __________