INSTALLATION INSTRUCTIONS

MODEL #944 DIRECT VENT
SEE-THRU / PIER GAS FIREPLACE

See-Thru Model

Pier Model

Front view

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

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www.kozyheat.com

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IMPORTANT:

READ THIS MANUAL BEFORE INSTALLING AND USING THIS FIREPLACE

KOZY HEAT MODEL #944 DIRECT VENT
See-Thru / Pier Fireplace
INSTALLATION INSTRUCTIONS

This appliance has been tested to and complies with ANSI Z21.88-2002•CSA 2.33-M02 ‘VENTED GAS FIREPLACE HEATER’. 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). Approved for U.S. Installations only.

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

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

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

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

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 the gas supplier's instruction.
- If you cannot reach your gas supplier, contact the fire department.
- Installation & service must be performed by a qualified installer, service agency or the gas supplier.

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

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury, property damage, or loss of life. Refer to this manual for assistance. For additional information, consult a qualified installer, service agency or the gas supplier.
WARNING: Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

NOTE: THIS FIREPLACE REQUIRES A DIRECT VENT KIT FOR INSTALLATION. REFER TO PAGE 3 FOR APPROVED SYSTEMS LISTING. FOR VISUAL INSPECTION OF PROPER VENT CONNECTION, UPON COMPLETION OF INSTALLING THE DIRECT VENT KIT, REMOVE THE NUTS AND BAFFLE INSIDE THE UNIT TO EXPOSE THE LOWER END OF THE FLUE GAS EXIT.

This appliance is factory-shipped as a see-thru fireplace. A pier conversion kit is available from your dealer.

IMPORTANT: DO NOT DIRECTLY ATTACH FACING MATERIAL ONTO THE EXTERIOR FACES. THE FACES WILL EXPAND WHEN HEATED AND WILL CAUSE CRACKING OF THESE MATERIALS. WARNING: ONLY NON-COMBUSTIBLE MATERIALS MAY BE USED OVER THE FACE. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL VOID YOUR WARRANTY.

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 NOTICE: DURING THE FIRST INITIAL BURNS, THIS UNIT WILL SMOKE AND GIVE OFF A PUNGENT ODOR. THIS IS THE PAINT CURING AND IS NORMAL. WE RECOMMEND THAT YOU PROVIDE ADDITIONAL VENTILATION DURING THIS CURING PROCESS.

A) SPECIFICATIONS

- Height: 32 1/4"
- Width: 36"
- Depth: 20"

Flue Size: 4" exhaust
7" intake

Figure 1A

Pier Model Shown
MASONRY APPLICATIONS - The following lintel irons are available for masonry applications:

Pier installations: Part #788-C
See-thru installations: Part #617 - If masonry is used on both sides of a see-thru installation, a #617 lintel iron is required for each side.

IMPORTANT: Lintels must be used to support the added weight when masonry construction is used. Please contact your dealer.

VENT SYSTEMS:

IMPORTANT: THIS FIREPLACE IS APPROVED FOR USE ONLY WITH ONE OF THE FOLLOWING DIRECT VENT SYSTEMS:

KOZY HEAT #700 SERIES DIRECT VENT CHIMNEY SYSTEM: for horizontal terminations:

#745 DIRECT VENT TERMINATION KIT - for terminations 4' or less.

#718 DIRECT VENT TERMINATION KIT - for terminations greater than 4' but less than 8'.

#746 DIRECT VENT EXTENSION KIT - used in conjunction with #745 or #718. The extension kit is expandable to 6'.

SIMPSON DURA-VENT DV-GS DIRECT VENT CHIMNEY SYSTEM*: 4" X 6 5/8". For horizontal or vertical terminations.

*Adaptor #923-C is required to adapt the flue collars to the Dura-Vent Chimney System.

Refer to pages #8-#12 for complete venting installation instructions / requirements.

For visual inspection of proper vent connection, upon completion of installing the direct vent kit, remove the nuts and the baffle inside the unit to expose the lower end of the flue gas exit.
Minimum Clearance to combustibles:

- Unit Top: 0"
- Front/Back: 31" from parallel wall
- Floor: 0"
- Flue Vent Top/Bottom: 2"
- Flue Vent Sides: 1 1/2"
- Vented End*:
  - 0" from unit side to framing
  - 6" from unit side to adjacent side wall
- Non-Vented End: See-Thru Installations: 0"
  - Pier Installations: 31"
- Heat Outlet Grill to Mantel: (See Diagram A)

Diagram A

Mantel Depth

NOTE: The following clearances apply to both the Kozy Heat #700 Series flexible chimney system and the Simpson Dura-Vent DV-GS chimney system for horizontal terminations.

Flue Vent Top: 2"  Flue Vent Sides: 1 1/2"  Flue Vent Bottom: 2"

Vertical terminations using Simpson Dura-Vent DV-GS chimney system: 1" clearance

GAS CONVERSIONS:

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

Natural Gas Conversion Kit - #OCK-330: Used to convert an LP millivolt board to Natural gas.

LP Gas Conversion Kit - #OCK-349: 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 have jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.
B) PREPARE THE UNIT

Note: This fireplace is shipped as a standard see-thru model. When a pier model is desired, a pier conversion kit is used and installed later in this manual.

Follow the instructions below for glass assemblies, regardless of which model you are installing:

1. REMOVE THE GLASS ASSEMBLY:
   Figure 2.

   **FIREPLACE 'FRONT' SIDE:**
   A. Locate the spring-loaded handles securing the glass assembly (under the firebox).
   B. Pull the handles out, then down to release the glass assembly.
   C. Pull the bottom of the glass assembly out and lift up off the tabs at the top (A).
   D. Set aside where it will not be broken.

   **FIREPLACE 'BACK' SIDE:**
   A. Locate the latches securing the glass assembly (under the firebox).
   B. Flip the back of the latch down to release the glass assembly.
   C. Pull the bottom the glass assembly out and lift up off the tabs at the top (A).
   D. Set aside where it will not be broken.

C) POSITION THE UNIT. See Figures 3, 4A, 4B, & 4C.

1. Determine the exact position of your fireplace, vent run and vent termination cap location.

   **HORIZONTAL TERMINATIONS**
   **IMPORTANT:** The vent termination cap location must comply with the clearances as shown on page 9. A firestop adaptor is included with this fireplace and must be used in conjunction with the chimney system firestop / wall thimble to ensure proper clearances are maintained when the chimney passes thru the wall.

   **VERTICAL TERMINATIONS**
   Refer to instructions included with the Simpson Dura-Vent DV-GS for positioning the chimney system.

   **NOTE:** Even though the minimum clearance from the top and sides is 0", we recommend that you allow an expansion space of 1/4" from the top & sides to prevent cracking of face materials due to expansion of the unit during heating. If expansion room is not left, the unit will make a loud 'banging' noise when it heats up or cools down.

   **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. The minimum for the support platform under the unit is 20" deep by 36" wide. 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.

   **NOTE:** A hearth is not required. If a hearth is desired, combustible materials may be used.

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

   Provide for a minimum of 6" of clearance in front of the lower grill. This will provide adequate space to open and operate the controls behind the lower grill.

   Do not obstruct the upper and lower grill areas to allow proper ventilation air around the unit. Air enters the unit at the lower grill, and exists at the upper grill. DO NOT BLOCK THIS PASSAGE.

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

   **SEE-THRU INSTALLATIONS:**
   Rough opening dimensions differ on the 'front and back sides'. The opening on one side must be a minimum of 38" wide to allow adequate room to slide the unit into position. See page #7.

   **NOTE:** The control valve assembly may be rotated so that it is accessible from the opposite side from which it was manufactured. Refer to page #13.
HORIZONTAL TERMINATIONS:

1. Determine width & depth of the hearth (optional).

2. Determine the vent run and termination cap location. If possible, place the fireplace in such a manner that the piping will be placed between two studs so additional framing is not necessary.

   NOTE: Allow a minimum of 18" between the unit and inside wall to comply with minimum termination requirements. See pages #8-#11 for horizontal termination guidelines.

3. Cut a hole for the wall thimble, 11 ¾" high x 10 ¾" wide. The top of this hole must be a minimum:

   #700 Series Flexible Vent System: 46" * above the height of the hearth (optional).
   Simpson Dura-Vent DV-GS System: 47 1/4" * above the height of the hearth (optional).

   * IMPORTANT: This measurement is determined by the vertical and horizontal length of the venting application desired. The measurement is to the TOP of the pipe. Please refer to information below through page #12 of this installation manual for requirements and restrictions.

4. Rough in the wall enclosure.

SEE-THRU INSTALLATIONS: Rough opening dimensions are: Front face - 36 ½" wide x 32 1/2" high Back face - 38" wide x 32 ½" high (above the height of the optional hearth). Depth is determined by the thickness of face materials being used. IMPORTANT! The fireplace depth is 20". See figure 3 below.

Figure 3

SEE-THRU MODEL SHOWN IN ABOVE FIGURE
PIER INSTALLATIONS: Refer to figures 4A & 4B. Rough opening dimensions are 36 1/4" wide x 32 1/2" high (above the height of the optional hearth). Depth is determined by the thickness of facing materials being used. IMPORTANT! The fireplace depth is 20".

Figure 4A

FINISHED DIMENSION INCLUDING FACING MATERIAL

32 1/2

20

36 1/2

Minimum to side of fireplace

See figure 3

Figure 4B

BACK/EXTERIOR WALL

10 1/2

11 1/2

18

See figure 3

PIER MODEL SHOWN IN FIGURE ABOVE.

Example of Typical Firestop Adaptor, (included with the fireplace), and Firestop (included with the #700 Series flexible chimney system) installation on a finished wall.

Figure 4C

INSTALL FIRESTOP ADAPTOR & FIRESTOP WITH FLANGES INSIDE THE FRAMED OPENING.
D) VENTING REQUIREMENTS

HORIZONTAL & VERTICAL VENTING CHART

HORIZONTAL TERMINATIONS: Minimum horizontal run: 15" (18" length of pipe)
(This is directly off the collars on the fireplace running at a 45-degree angle.)
Maximum horizontal run: 20 Ft.
Total run cannot exceed 20 Ft.
The first 15" of horizontal run must maintain a 45-degree angle. For each additional foot of horizontal run, a 1/4" rise per foot must be maintained.

VERTICAL TERMINATIONS: Maximum vertical run: 40 Ft.
Vertically position the chimney by connecting (1) 45-degree elbow onto the #923-C Dura-vent adaptor. Connect the adaptor to the stacks on the fireplace and seal with the sealant provided.

IMPORTANT: Each installation is different and some may require a restrictor plate. Contact the dealer for more information.

Total horizontal and vertical run cannot exceed 40 Ft.

ELBOWS: 2 (90°) included within maximum vent runs - For each additional 90° elbow, the maximum horizontal run allowed must be decreased by 5-ft.
NOTE: (2) 45° = (1) 90°

FOLLOW THE CHART ABOVE FOR COMBINATION VENT RUNS.
TERMINATION VENT CAP LOCATION

This gas appliance must not be connected to a chimney flue serving another type of appliance.

IMPORTANT!

Horizontal Terminations using either the #700 Series Direct Vent System or Simpson Dura-Vent DV-GS Chimney System must follow the clearances to doors, window, and ground level as shown below for proper vent cap location.

GENERAL:

A) Terminations against vinyl siding must use a vinyl siding protector. Follow instructions included.

B) **DO NOT RECCESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS** - i.e.: brick, stone, etc.. If necessary, extend framing so that termination kit will be exposed once building materials are installed.

C) 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:

- Above grade, veranda, porch, deck, balcony - 12". (A)
- Operable window - 12" (B)
- Permanently closed window - 12" (recommended to prevent condensation on window. (C)
- Ventilated soffit - 24" (D)
- Unventilated soffit - 12" (E)
- Outside / inside corner - 12" (F)
- Meter / Regulator: not to be installed above within 3 ft. horizontally from the center line of the regulator.
- Service regulator vent outlet - 3 ft. radius
- Electrical box - 3 ft. (G) DO NOT INSTALL ABOVE AN ELECTRICAL BOX!
- Non-mechanical air supply inlet to building - 12"
- Combustion air inlet to any other appliance - 12"
- Mechanical air supply inlet - 6 ft. (H)
- Above furnace exhaust or inlet - 12"
- Above paved side-walk or paved driveway located on public property - 7 ft. * (I)
- Under veranda, porch, deck, or balcony (must be fully opened on a min. of 2 sides) - 12" (J)
- Between two horizontal terminations - 12" (K) - Note: May be the same height.

* 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.

DENOTES WHERE INSTALLATION NOT ALLOWED

(I) OPERABLE WINDOW
(2) PERMANENTLY CLOSED WINDOW

* CHECK LOCAL & STATE BUILDING CODES FOR ADDITIONAL REQUIREMENTS AND/OR RESTRICTIONS

Figure 5
HORIZONTAL TERMINATIONS

Simpson Dura-Vent DV-GS chimney system: A #923-C adaptor must be used to adapt the flue collars on the fireplace to the chimney system. Follow the instructions included with the #923-C adaptor AND the chimney system for proper installation.

IMPORTANT: #700 SERIES FLEX PIPE AND SIMPSON DURA-VENT DV-GS CHIMNEY SYSTEMS:
TO ENSURE THAT CLEARANCES ARE PROPERLY MAINTAINED, a firestop adaptor is included with this fireplace and must be used in conjunction with the firestop included in the #700 series flex pipe or with wall thimble included with the Simpson Dura-Vent DV-GS chimney system. The included firestop adaptor is attached to the pass-thru framing/wall materials first. The firestop or wall thimble from the chimney system is then attached to the firestop adaptor. Refer to figure 4C, page 7.

KOZY HEAT #700 SERIES DIRECT VENT SYSTEM:

Figure 6

18" Minimum to achieve minimum requirements
24" Required for #944-CAB installations

SIMPSON DURA-VENT DV-GS CHIMNEY SYSTEM:

Figure 7

18" Minimum to achieve minimum requirements
24" Required for #944-CAB Installation
INSTALLATION OF THE #700 SERIES HORIZONTAL DIRECT VENT TERMINATION KIT(S)

NOTE: THE FLEX PIPE IS PERMANENTLY ATTACHED TO THE EXTERIOR WALL PLATE. DO NOT ATTACHED THE #745 OR #718 TERMINATION KIT TO THE FIREPLACE (OR EXTENSION KIT) UNTIL IT HAS PASSED THROUGH THE WALL. THE TERMINATION PLATES SHOULD ALL BE INSTALLED ON THE EXTERIOR OF THE OUTSIDE WALL.

NOTE: The #700 Series vent kits must be supported every 3 ft. to maintain proper rise.

1. If your chimney termination is 8' or less from the stove stop and doesn't require an extension kit, proceed to step number 6.

2. If your chimney termination will require one or more extension kits (part #746), proceed with the following steps. Each #746 extension kit contains enough 4" & 7" flexible aluminum pipe to extend the chimney an additional 6'.

NOTE: THE SNAP LOCK CONNECTION IS PERMANENT, YOU WILL NOT BE ABLE TO REMOVE THIS PIPE ONCE APPLIED WITHOUT DAMAGE.

3. Using your extension kit pieces, place a bead of sealant outside the 4" flex pipe collar (C) - the end with the EXTERNAL notches - and slide it inside the 4" pipe on top of the stove (D). This is a snap lock connection. Secure with 3 evenly spaced screws.

4. Place a bead of sealant outside the 7" flex pipe collar (E) - the end with the EXTERNAL notches - and slide it inside the 7" pipe on top of the stove (F). This is a snap lock connection. Secure with 3 evenly spaced screws.

5. If additional extension kits are being used, repeat steps 3 and 4, placing the 4" & 7" pipes onto the previous extension kit.

Referring to Figure 8.

6. Apply a liberal bead of exterior sealant around the outer edge of the termination kit box (A), and, from the outside, place the exterior wall assembly through the 11 ½" x 10 ½" hole. Place screws through the four holes (B) securing it in place.

NOTE: Attachment brackets are included with the termination kit. These optional brackets should be screwed, or nailed (screws not provided) onto the top and bottom of the hole, on the exterior of the house. The termination kit then fits in between these brackets, and using the screws provided, screw the brackets to the termination kit box (A). Attach the vinyl siding protector.

7.a. OPTIONAL: Place insulation between the 7" pipe and the wall studs.

7.b. FIRESTOP INSTALLATION: The #700 Series direct vent kit includes an interior firestop which is installed on the inside wall (over the firestop adaptor), before the flex pipe is connected to the fireplace. Center the firestop adaptor, with flanges toward the wall, within the framed opening, over wall materials and secure with screws. Slide the firestop over the flex pipe with the flanges toward the wall. Center the flanges within the firestop adaptor opening, maintaining proper clearances around the vent pipes and secure with the (4) screws provided.

OPTIONAL: Apply a liberal bead of sealant around the outside / wall side edge before placing over the opening. See fig. 4C, page 7.

8. Gently pull the 4" & 7" flexible aluminum down to the top of the extension kit, or the top of the unit if no extension kits were used.

NOTE: The snap lock is permanent, you will not be able to remove this pipe once applied without damage.

9. Place a bead of sealant outside the 4" flex pipe collar (C) and slide it inside the 4" pipe on top of the stove (D). This is a snap lock connection. Secure with 3 evenly spaced screws.

10. Place a bead of sealant outside the 7" flex pipe collar (E) and slide it inside the 7" pipe on top of the stove (F). This is a snap lock connection. Secure with 3 evenly spaced screws.
VERTICAL VENTING REQUIREMENTS

MAXIMUM VERTICAL RISE: 40 Ft.

Vertically position the chimney by connecting (1) 45-degree elbow onto the #923-C Dura-vent adaptor. Connect the adaptor to the stacks on the fireplace and seal with the sealant provided.

MINIMUM CLEARANCE FROM CHIMNEY SYSTEM TO COMBUSTIBLES: 1"

ELBOWS: 2 (90°) Included within maximum vent runs - For each additional 90° elbow, the maximum horizontal run allowed must be decreased by 5 ft. NOTE: (2) 45° = (1) 90°

CAUTION: THIS GAS APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

Note: ADAPTOR REQUIRED - #923-C adaptor is required to adapt the flue collars on the unit to the Dura-Vent chimney system and is available from your dealer.

If using the Simpson Dura-Vent DV-GS Direct Vent chimney system, follow the installation instructions included with the #923-C adaptor and chimney system. Maximum vertical rise is 40 ft. This chimney system may be purchased from your local dealer.

Figure 9

Typical Vertical Termination using Simpson Dura-Vent DV-GS Chimney System
E) ROTATE THE GAS CONTROL VALVE - OPTIONAL

IMPORTANT:

THE CONTROL VALVE MAY BE ROTATED SO THAT IT IS ACCESSIBLE FROM THE OPPOSITE SIDE FROM WHICH IT WAS MANUFACTURED. THIS MUST BE DONE PRIOR TO CONNECTING THE GAS LINE.

FOLLOW THE INSTRUCTIONS BELOW TO ROTATE THE CONTROL VALVE ASSEMBLY:

NOTE: Although not necessary, it may be easier to rotate the control valve if the millivolt board is removed first. If this is desired, follow instructions on page #18 to remove.

1. Loosen and remove the (2) 1/4" nuts securing the burner cover. Remove the burner cover and heat shield. Figure 10A
2. Loosen and remove the (2) nuts securing the studs thru the alternate mounting holes (A) and remove the studs. These will be the new mounting holes for the dashboard assembly once it has been rotated. Figure 10B

DO NOT DISCARD THE NUTS & STUDS REMOVED IN THE ABOVE STEP!

NOTE: Refer to figure 10C for steps #3 - #5.

3. While holding onto the bottom of the dashboard assembly, loosen and remove the (2) nuts securing the dashboard assembly (B). Figure 10C.

IMPORTANT: Guide wires and flexible gas lines while rotating. Do not allow the wires to be pulled or stressed.

4. Rotate the entire dashboard assembly clockwise 180° until the valve faces the opposite side.
5. Align the studs at the top of the dashboard assembly to the mounting holes on the opposite side. Slide the studs up into the holes.
6. From inside the firebox, secure the studs to the millivolt board with the (2) nuts removed in step #3.
7. Insert the studs through the remaining mounting holes from underneath the firebox and secure the studs with the remaining (2) nuts. These studs must be installed and secured to maintain the seal inside the firebox.
8. Re-install the heat shield and burner cover. Refer to page 18 for complete instructions.
F) FAN INSTALLATION KIT (OPTIONAL)

INSTALLATION OF THIS FAN SHOULD BE DONE ONLY BY A QUALIFIED INSTALLER.

This following items are included with this fan kit:

(1) Left fan assembly with wire harness and fan cord attached.
(1) Right fan assembly
(1) Temperature control switch already wired
(1) Electrical / Speed control box.
(4) Flange Nuts
(2) Black Screws
(1) Grommet

IMPORTANT:

REFER TO FIGURE 1B, PAGE 3 FOR PROPER GAS LINE AND ELECTRICAL WIRE INSTALLATION LOCATION.

GAS LINE POSITION: THE GAS LINE MUST BE HORIZONTALLY RUN THRU THE GAS LINE HOLE PROVIDED AT THE VENTED END OF THE FIREPLACE. THE FANS WILL NOT FIT ONTO THE MOUNTING STUDS IF THE GAS LINE IS NOT RUN IN THIS MANNER. Refer to the figure on the back side of this page.

ELECTRICAL WIRING: THE ELECTRICAL WIRING SHOULD BE DONE PRIOR TO ENCLOSING THE FIREPLACE WITH FINISH MATERIALS. RUN THE ELECTRICAL WIRE THROUGH THE PROPER HOLE PROVIDED AT THE VENTED END OF THE FIREPLACE.

This fan kit includes a receptacle / speed control box for connection of the fan cord. Wiring for the fan & speed control should be inserted and properly connected inside this box.

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.

NOTE: CODE APPROVED LINE VOLTAGE WIRING 16 GA. OR BETTER MUST BE USED. This system, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 - Current Edition. WHEN WIRING THIS SYSTEM.

INSTALLATION GUIDELINES:


Important: The mounting studs are located on the floor of the fireplace at the 'vented end' behind the lower grills. One set of mounting studs are provided for each fan assembly.

1. Remove the front & back lower grills by loosening and removing the nuts securing it and remove it from the hinges.
2. Install the left & right fan assemblies onto the mounting studs (A). The left fan, with the power cord and wire harness, should be installed on the 'back' studs. Refer to the figure on page #15. Secure with the nuts provided.
3. Feed the two single black wires (B), with connectors, around the front of the leg, then thru the center opening of the leg and slide onto the motor terminals on the right fan. (One end of each wire is attached to the left fan at the factory.) This will prevent the cords from coming into contact with the fan blades.
4. Feed the gray power cord through the center opening of each leg as shown.
WIRING INSTRUCTIONS:

IMPORTANT: The electrical / speed control box is mounted to the left side of the gas control dashboard and secured with (2) phillips head screws. The electrical wiring should be sufficiently run to allow ample wire for proper connection to the electrical / speed control box once secured to the dashboard.

1. Loosen and remove the screw securing the back plate on the electrical / speed control box and remove the plate.
2. Feed the electrical wire inside the box through the hole located on the left end.
3. Connect the ground wire to the green wire inside the box. The common wire is connected to the white wire and the ‘hot’ wire is connected to the black wire.
4. Place the black grommet, included in the components packet, around the electrical wire and snap the grommet into the hole, securing the electrical wire.
5. Replace the back plate and secure with the screw.
6. Mount the box onto the dashboard and secure with (2) phillips head screws (provided).
7. Plug the gray fan power cord into the receptacle located on the left end of the box.
8. Place the temperature control switch (C) (magnet attached) onto the bottom of the firebox. This control switch activates the fan as the fireplace heats and its location determines how quickly the fan will turn ‘on’ and ‘off’ and may be adjusted as desired. When placed in a cooler area, it will take longer for the fan to turn ‘on’, but will turn ‘off’ sooner after the burner has been turned ‘off’.
9. Turn the on/off speed control knob counter-clockwise until you hear a ‘click’. This is the ‘OFF’ position.
10. Turn the speed control ‘ON’ by turning the knob clockwise just past the ‘click’. The fan is now in the ‘high speed’ position.

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.
G) RUN THE GAS LINE:

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

NOTE: This unit is equipped with a 3/8" flexible gas connection, 18" long.

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: 6.0 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.

Orifice size: 30       Input: 40,000 BTU’s

**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.
Orifice size: 49       Input: 38,600 BTU’S

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**THIS UNIT FACTORY EQUIPPED FOR 0-2000 FT. ALTITUDE**

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

1. Run the gas line. An accessible shut off valve must be installed up stream from the regulator.

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. The center hole on the vented end of the fireplace must be used for the gas line connection. If it is not used, it will interfere with the installation of the optional fan kit.

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

5. 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 top pressure tap is the manifold pressure and the bottom pressure tap is the incoming pressure. Follow instructions on page #27 for checking these pressures.

H) MILLIVOLT BOARD REMOVAL / INSTALLATION. See Figures 12A & 12B.

NOTE: The unit is equipped with the millivolt board already installed. Follow these procedures should the millivolt board need replacing or is removed for servicing.

The control valve is reversible and may be installed so it is accessible from the opposite side from which it is factory-installed. See page #13 for instructions.

MILLIVOLT BOARD REMOVAL.

1. Shut off the gas supply at the manual shut-off valve.
2. Disconnect gas line flex tube from the manual shut-off valve.
3. Disconnect any wall switch, remote control or thermostat from the valve.
4. Remove the logs from the firebox.
5. Loosen and remove the (2) 1/4” nuts securing the burner cover being careful not to damage the bottom refractory. Remove the burner cover & heat shield. Figure 12A.
6. Remove the bottom refractory.
7. Loosen and remove the (8) 1/4” nuts and, while grasping the board, gently lift it off the (8) studs and remove from the firebox. Figure 12B.

Figure 12A
INSTALLING THE MILLIVOLT BOARD.

NOTE: The unit 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.

1. Grasp the burner with both hands and place into the unit, lining up the (8) 1/4" holes in the millivolt board to the (8) mounting studs on the firebox bottom. Refer to figure 12B.

   CAUTION: Before securing the board into place, make sure that all of the wires (attached under the board) are clear and unobstructed.

2. Attach the 1/4" nuts (removed in step #5, page 17).

   Figure 12B

3. Replace the bottom refractory.
4. Set the heat shield in place over the millivolt board.
5. Replace the burner cover aligning the studs in the cover to the corresponding slots. See fig. 12A.

   IMPORTANT: ENSURE THAT THE BURNER TUBE IS PROPERLY SEATED OVER THE BURNER ORIFICE.

6. Secure with the remaining (2) 1/4" nuts.
7. Connect the flexible gas line to the manual shut-off valve.
8. Replace the logs, glass assembly and upper grill.
9. Light the pilot and burner to ensure proper ignition and operation.
I) LOG INSTALLATION. See Figures 13A & 13B.

This #944-500 log set includes:

- (2) L-Logs
- (2) AU-Logs
- (2) G-Logs
- (1) S-Log
- (1) A-Log
- (1) AL-Log
- (1) D-Log
- (1) AK-Log
- (2) Embers pkg.

LOG GRATE:

1. Place the log grate into position around the burner / cover assembly.

NOTE: The end with the removable support plate must be at the right side (combustion intake duct end).

BASE LOGS INSTALLATION:

1. Position base logs AL, AK, L, D, A & G onto the burner cover as shown.

DO NOT ALLOW THE LOGS TO COVER THE BURNER OR BURNER PORT HOLES.

2. Carefully place the burning embers, included with this log set, on the burner tube from point 'A' to point 'B' leaving at least 1/4" space between each ember.

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

TOP LOGS INSTALLATION

1. Position the (2) 'AU' logs and 'S' log over the base logs as shown.

KLINKER INSTALLATION:

Place klinkers as desired on the open areas in the firebox after the millivolt board and log set have been installed.

CAUTION: DO NOT PLACE ON THE MILLIVOLT BOARD, BURNER COVER OR BETWEEN LOGS.
J) THERMOSTAT - WALL SWITCH - REMOTE INSTALLATION (optional). See Figures 14A & 14B.

CAUTION: DO NOT connect high voltage wire to the switch.

If desired, a thermostat, wall switch or remote control unit may be used to turn the unit off and on. Only one of these may be installed. Follow instructions included with each kit.

IMPORTANT: IF THE DASHBOARD PANEL HAS BEEN ATTACHED TO THE VALVE BRACKET, IT MUST BE REMOVED TO EXPOSE THE WIRE CONNECTIONS ON THE VALVE TERMINAL.

OPTIONAL: Disconnect the on/off rocker switch wires from the top & bottom terminals on the gas valve.

REMOTE CONTROL USERS - An optional remote control receiver bracket, part #791-2, is available to mount the receiver onto the right side of the dashboard panel behind the lower grill. For additional information or to purchase this kit, please contact your dealer.

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

WALL SWITCH / THERMOSTAT USERS:

Run low-voltage (thermostat) wire from the gas valve terminals behind the lower grill to the desired location of the thermostat or wall switch.

IMPORTANT: No high voltage (115v) is required to operate any of these systems.

Attach the appropriate connector to each wall switch / thermostat wire and connect to the top and bottom terminals on the gas valve.

The on/off rocker switch on the millivolt board must be in the ‘off’ position for proper operation 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, it must be turned ‘off’ by the remote.
K) PIER CONVERSION KIT

Pier Model Installations:

This kit includes:

1. 14 ½" x 17" glass with gasket
2. Arched valance with screen & grills installed.

Remove the end panel:

1. Loosen, but do not remove, the nuts securing the end panel from inside the upper grill opening. Fig. 15A.
2. Loosen and remove the nut and washer from the bolt assembly securing the end panel inside the lower grill opening and remove the bolts. Figure 15A
3. To remove the end panel, tilt the top of the end panel out of the upper bolts and pull the panel out of the bottom flange on the end of the fireplace.
4. Loosen and remove the (2) 1/4" nuts securing the metal panel at the bottom (Figure 15B).
5. Pull the bottom of the metal panel assembly out and lift it up off the tabs at the top.
6. Loosen and remove the screws securing the clips at the top & bottom of the metal panel assembly. (Fig. 15C).
7. Remove the metal panel and place the glass with gasket inside the frame. Slide each clip between the folds of the gasket material and secure with screws (2 ea. clip).

Note: The metal panel removed in step #7 is not used when a pier installation is desired & may be discarded.

8. Remove the end refractory panel from the firebox found directly behind the metal panel removed in steps #3 & #4 above. Discard the panel.

Note: The panel may need to be broken in order for you to remove it.

Replace the glass frame assembly. (Figure 15C)

1. Position the slots in the top of pier end glass assembly to the tabs at the top of the opening and set in place. NOTE: The mounting holes at the bottom of the glass assembly should be aligned onto the studs.
2. Secure at the bottom with the (2) 1/4" nuts previously removed.
OPTIONAL SCREEN REMOVAL:

Determine if removal of the factory installed screen on the pier end panel is desired prior to installation. If may become damaged and is very difficult to re-install once it has been removed.

Replace the arched frame/screen/grill assembly.

1. Align the mounting studs located at the bottom of the assembly into the holes on the pier end of the fireplace and set down into position.

2. Slide slots in the arched frame/screen/grill assembly at the top onto the mounting studs, between the washer and the flange on the pier end, located at the corners in the upper grill opening. Secure in place with the nuts, but do not tighten at this time. Refer to figure 15D.

3. From inside the lower grill opening, insert the bolts through the lower mounting holes on the pier end of the fireplace and through the slot on the pier panel. Slide a washer onto each bolt and secure (2) nuts. Figure 15D.

L) COMPLETE THE INSTALLATION

1. COMPLETE THE FIREPLACE WALLS AND THE UNIT FACING.

WARNING: DO NOT ENCLOSE THE AIR SPACE AT THE BOTTOM OF THE FIREPLACE. THIS COULD CAUSE THE AREA TO OVERHEAT.

MASONRY CONSTRUCTIONS: If using a lintel iron, follow instructions included with the lintel iron for proper placement.

CAUTION: THE SURROUNDING WOOD CHASE OF THE OUTSIDE WALL MUST BE INSULATED TO PREVENT COLD AIR FROM ENTERING THE ROOM.

2. DASHBOARD PANEL: Attached the dashboard panel, included in the components packet, to the front of the gas valve behind the lower grill. This is accomplished by aligning the holes in the dashboard panel to the corresponding holes in the bracket. Secure with the (2) screws provided.

OPTIONAL: Affix the dashboard panel label to the front of the dashboard panel prior to attaching to the bracket.

3. EXTENSION KNOBS: Place the extension knobs, included in the components packet, through the corresponding holes in the dashboard panel and slide onto the control knobs on the gas valve, aligning the notches on the extension knobs to the notches on the control knobs.
4. **SEASONAL HEAT DUMP POSITION:**

This fireplace has been designed with an adjustable heat dump outlet located in the baffle inside the fireplace (at the top). This will allow infinite control over the amount of heat emitted into the living area without affecting the flame height.

**INSTALLER:** PLEASE INSTALL THIS FIREPLACE WITH THE ADJUSTABLE HEAT OUTLET DUMP IN ITS 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 heat level.

**TO ADJUST:**

<table>
<thead>
<tr>
<th>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.</th>
</tr>
</thead>
</table>

1. Remove the ‘front’ glass assembly and set aside where it will not be broken. Refer to page 5.
2. Locate the heat dump damper handle in the baffle and adjust opening to amount desired.
3. Replace the front glass assembly.

**NOTE:** The more open the heat dump, the less heat that will be emitted into the living area. This enables you to operate the fireplace for a longer period of time without overheating the room.

![Figure 16](image)

HEAT OUTLET SHOWN IN PARTIAL OPENED POSITION.

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

   A) Perform lighting and shutdown procedures as described on page #25-26. This should be done prior to replacing the glass so that any necessary adjustments can be made and proper operation verified.

6. **Replace the front & back glass assemblies. Refer to page #5.**

   A) Align the slots in the top of the glass assembly over the tabs on the fireplace.
   B) Place the glass assembly so it is flush with the front of the fireplace front.

**FIREPLACE 'FRONT' SIDE:**

A. Secure the assembly to the fireplace by pulling the two spring loaded handles (located under the firebox) out, then up and over the latch brackets. Release, locking them into position.

**FIREPLACE ‘BACK’ SIDE:**

A. To secure the assembly to the fireplace, ‘hook’ the latches (located under the firebox) into the slots on the bottom side of the glass assembly and push the latches ‘up’ locking them in position.

| 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. |
7. **Upper Grills - Install:**

A) Line the rods of the grill up with the upper holes.  
B) Place the rods in the holes and push up until the bottoms of the rods clear the glass frame.  
C) Place the bottom of the rods into the lower holes and release. The grill will set down into place.  
D) Repeat "A" through "C" for remaining grill.

**Remove:**

A) Lift the upper grill up far enough to clear the bottom holes and pull bottom of grills out.

8. **Lower grills - See Figure 17**

**Install:**

A) Remove the 1/4" nuts (B) from the lower grill assembly.  
B) Slip the bolt through the hinge (A).  
C) Re-attach the 1/4" nut (B).  
D) Repeat "a" through "c" for the remaining hinge.  
E) Repeat "a" through "d" for remaining grill.

The grills are now in place and may be lowered to access the control valve.

**Remove:**

A) Remove the 1/4" nuts (B) from the lower grill assembly.  
B) Pull the entire grill assembly out of the hinges.  
C) Re-attach the 1/4" nuts (B).
M) LIGHTING AND SHUTDOWN. See Figure 18.

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 top pressure tap is the manifold pressure and the bottom pressure tap is the incoming pressure. Follow instructions on page #27 for check these pressures.

NOTE: Read 1-8 before lighting the unit for the first time. Refer to figure 18.

1. Open the lower grill by grasping the center of the top louver, and pull out and down.
2. Set the thermostat, if used, to the lowest setting.
3. Turn off all electric power to the appliance.
4. Push in control knob (A) slightly and turn clockwise \( \times \) to "OFF".

![Gas Valve](image)

Figure 18

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 page 2 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 behind the burner tube.
7. Turn the control knob (A) on gas control counterclockwise \( \times \) to "PILOT".
8. Push in the black control knob all the way and hold in. Press the RED 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 does 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 \( \times \) to "ON".
10. Flip the on/off switch (C) to the "ON" position.
11. Close the lower grill.
12. **THERMOSTAT USERS:** Leave the on/off switch in the 'OFF' position. Set thermostat to desired setting.

**WALL SWITCH:** If a wall switch has been installed, leave the on/off switch in the 'OFF' position. Use the wall switch to turn the burner 'ON' and 'OFF'.

**IMPORTANT:** The on/off switch must be in the 'OFF' position for proper thermostat / wall switch operation.

**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.

13. If you wish to turn the burner off, flip the on/off switch. If a wall switch has been installed, simply turn it off. If a thermostat has been installed, simply adjust temperature setting. **NOTE:** The pilot will stay lit.

14. To turn off the pilot, push in and turn the knob to the 'OFF' position.

---

**INITIAL BURN PERIOD**

AN ODOR WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. THIS IS THE PAINT CURING AND SUBSTANCES USED IN THE MANUFACTURING PROCESS. IT IS RECOMMENDED TO LEAVE THE FAN (IF INSTALLED) OFF DURING THIS PERIOD AS THIS WILL SPEED UP THE PAINT CURING PROCESS.

DUE TO THE MAKEUP OF THE LOGS & REFRACTORY, THEY WILL DISCOLOR DURING THE INITIAL BURN PERIOD. THIS MAY TAKE UP TO 4 HOURS OF BURN TIME. 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**

THIS FIREPLACE MAY PRODUCE NOISES AS IT HEATS AND COOLS DUE TO METAL EXPANSION AND CONTRACTION. THIS IS NORMAL AND DOES NOT AFFECT THE PERFORMANCE OR LONGEYTVITY OF THE FIREPLACE.

**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.
PRESSURE TESTING
MANIFOLD & INLET PRESSURE

IMPORTANT NOTICE: A pressure check tap for both the manifold (outgoing) and inlet (incoming) pressure has been incorporated into the valve by Robertshaw. The top pressure tap is the manifold pressure and the bottom pressure tap measures the incoming pressure. Follow the instructions below for proper pressure testing procedures.

TO CHECK THE MANIFOLD PRESSURE:

1. Light pilot. Refer to steps #1 - #8, page 25.
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 rocker switch [C] and note manometer reading.
6. Depress 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. Depress the rocker switch [C] to the 'ON' position and check the pressure to ensure that it stays near the maximum inlet pressure.
6. Depress 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.

FIGURE 19
N) 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.

VENT SYSTEM

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

1. Turn off the fireplace.
2. Remove the glass on the front of the unit.
3. For easier access, remove the logs.
4. Cover the millivolt board system.
5. Loosen the screws securing the baffle at the top of the firebox and remove the baffle.
6. Examine proper sealing of the vent system.
7. Replace the baffle and secure the nuts.
8. Replace the logs, glass and upper grill.

NOTE: If the vent-air intake system is disassembled for any reason, reinstall and seal in accordance to the instructions on pages #8-12 in this installation manual.

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 tube / cover may be removed for easier access.
2. Remove the logs.
3. Remove the burner tube / cover by loosening the two nuts securing it on each side of the burner cover.
4. Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.

5. 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.

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 #700-07T (or #150-20T 14½" x 17") shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.
- Replacement of the glass assembly, Part #700-07T, (or #150-20T - 14¼" x 17") 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.
N) TROUBLE SHOOTING GUIDE

NOTE: The millivolt board includes the following items: Valve, generator, pilot assembly, piezo, electrode, rocker switch, burner, orifice and orifice holder. 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 unit 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>1. 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>2. 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>Must be purged by qualified Service technician.</td>
</tr>
<tr>
<td></td>
<td>Gas line not bled out</td>
<td>Hold black control knob in long enough to bleed out line.</td>
</tr>
<tr>
<td></td>
<td>No spark at piezo.</td>
<td>See problem #1.</td>
</tr>
<tr>
<td></td>
<td>Not holding black control knob in long enough.</td>
<td>Hold in longer</td>
</tr>
</tbody>
</table>

Figure 20
<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. 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</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>4. Burner won't light</td>
<td>Pilot not lit</td>
<td>Relight pilot</td>
</tr>
<tr>
<td></td>
<td>Regulator valve not turned &quot;on&quot;.</td>
<td>Turn valve to &quot;on&quot;</td>
</tr>
<tr>
<td></td>
<td>Rocker switch not turned &quot;on&quot;.</td>
<td>Depress switch to the &quot;on&quot; position.</td>
</tr>
<tr>
<td></td>
<td>Rocker switch wire not connected</td>
<td>Check wiring diagram Figure 20 and ensure that all wires are secure.</td>
</tr>
<tr>
<td></td>
<td>Remote control not connected properly or turned to wrong setting.</td>
<td>Connect properly or disconnect and use on/off switch only.</td>
</tr>
<tr>
<td></td>
<td>See page 20</td>
<td></td>
</tr>
<tr>
<td>5. Burner won't light or stay lit</td>
<td>Generator wires loose at regulator terminals</td>
<td>Reposition wire and tighten screws. See Figure 20 for wiring instructions.</td>
</tr>
<tr>
<td></td>
<td>Generator wire grounded out due to pinching of wires</td>
<td>Nuts on millivolt board may need loosening to remove pinched wire.</td>
</tr>
<tr>
<td></td>
<td>Wall switch, remote control or thermostat not connected properly or turned to wrong setting. See page 20.</td>
<td>Connect properly or disconnect and use on/off switch only.</td>
</tr>
</tbody>
</table>

**ATTENTION HOMEOWNER / INSTALLER:**

BLUE FLAMES AND/OR LOW FLAMES:

SLIGHTLY CLOSING THE VENTURI SHUTTER MAY BE NECESSARY IF FLAMES ARE BLUE. THIS IS LOCATED AT THE END OF THE BURNER TUBE (UNDER THE LOG SUPPORT PLATE) WHERE IS IT POSITIONED OVER THE BURNER ORIFICE. REMOVE AS MANY LOGS AS NECESSARY TO REMOVE THE SUPPORT PLATE, REVEALING THE BURNER TUBE. LOosen SET SCREW AND ADJUST. RETIGHTEN SET SCREW.
## REPLACEMENT PARTS

Replacement parts are available through your local Kozy Heat dealer. Please contact them for availability and pricing.

### MILLIVOLT BOARD AND PARTS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>944-400A</td>
<td>#944 Millivolt Board - Natural Gas</td>
<td>944-401A</td>
<td>#944 Millivolt Board - LP Gas</td>
</tr>
<tr>
<td>700-032</td>
<td>Piezo Ignitor</td>
<td>700-033</td>
<td>On/Off Rocker Switch</td>
</tr>
<tr>
<td>700-036</td>
<td>Millivolt Generator</td>
<td>700-039</td>
<td>Hi/Lo Adjustable regulator (Natural Gas)</td>
</tr>
<tr>
<td>700-040</td>
<td>Hi/Lo Adjustable regulator (LP Gas)</td>
<td>700-053</td>
<td>Robertshaw Valve - Natural Gas</td>
</tr>
<tr>
<td>700-054</td>
<td>Robertshaw Valve - LP Gas</td>
<td>700-055</td>
<td>Pilot/Generator/Thermocouple - Natural Gas</td>
</tr>
<tr>
<td>700-056</td>
<td>Pilot/Generator/Thermocouple - LP Gas</td>
<td>700-059</td>
<td>Thermocouple (30-second)</td>
</tr>
<tr>
<td>700-060</td>
<td>Pilot Tube with fitting (Valve to Pilot)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### REMOTE CONTROL AND THERMOSTAT

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>791-2</td>
<td>Remote Bracket - Dashboard</td>
<td>796-2</td>
<td>Remote Control with Thermostat</td>
</tr>
<tr>
<td>797-2</td>
<td>Remote Control - On/Off only</td>
<td>700-038</td>
<td>Wall-Mount Thermostat</td>
</tr>
<tr>
<td>700-038W</td>
<td>Wireless Wall-Mount Thermostat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### GRILL AND GRILL PARTS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-333</td>
<td>Brass Grill Set</td>
</tr>
<tr>
<td>500-334</td>
<td>Brass Accent Grill Set</td>
</tr>
<tr>
<td>500-335</td>
<td>Black Grill Set</td>
</tr>
<tr>
<td>500-336</td>
<td>Prairie Style Grill Set</td>
</tr>
<tr>
<td>500-348</td>
<td>Black Grill Set - Pier End</td>
</tr>
<tr>
<td>500-349</td>
<td>Brass Grill Set - Pier End</td>
</tr>
<tr>
<td>500-350</td>
<td>Brass Accent Grill Set - Pier End</td>
</tr>
<tr>
<td>500-351</td>
<td>Prairie Style Grill Set - Pier End</td>
</tr>
<tr>
<td>500-363</td>
<td>Chrome Grill Set</td>
</tr>
<tr>
<td>500-364</td>
<td>Chrome Accent Grill Set</td>
</tr>
</tbody>
</table>

### FAN - REPLACEMENT ONLY

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>944-028</td>
<td>Fan Kit with Temperature limit switch &amp; speed control</td>
</tr>
<tr>
<td>404-4</td>
<td>Limit Switch Assembly</td>
</tr>
<tr>
<td>600085</td>
<td>Speed Control</td>
</tr>
</tbody>
</table>

### REFRACTORY

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>944-900</td>
<td>Side Refractory Panels - 2 pc.</td>
</tr>
<tr>
<td>944-901</td>
<td>Bottom Refractory Panel - 1 pc.</td>
</tr>
</tbody>
</table>

### VENT TERMINATION KITS & PARTS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>718</td>
<td>Direct Vent Kit - 8'</td>
</tr>
<tr>
<td>745</td>
<td>Direct Vent Kit - 4'</td>
</tr>
<tr>
<td>746</td>
<td>Direct Vent Extension Kit - 6'</td>
</tr>
<tr>
<td>747</td>
<td>Vinyl Siding Protector</td>
</tr>
<tr>
<td>745-060</td>
<td>Firestop</td>
</tr>
<tr>
<td>944-088</td>
<td>Firestop Adaptor</td>
</tr>
<tr>
<td>923-C</td>
<td>Dura-Vent Adaptor</td>
</tr>
</tbody>
</table>

### MISCELLANEOUS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>788-C</td>
<td>Lintel Iron</td>
</tr>
<tr>
<td>936-DOR</td>
<td>Black Screen Doors*</td>
</tr>
<tr>
<td>936-PDOR</td>
<td>Prairie Design Screen Doors*</td>
</tr>
</tbody>
</table>

*CONSULT YOUR DEALER FOR ADDITIONAL DOOR STYLES.

### BRASS TRIM

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-936</td>
<td>Arch Valance Brass Trim</td>
</tr>
<tr>
<td>500-936C</td>
<td>Arch Valance Chrome Trim</td>
</tr>
<tr>
<td>500-944</td>
<td>Arch Valance Brass Trim - Pier End</td>
</tr>
</tbody>
</table>

### LOG SET

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>944-500</td>
<td>Log Set</td>
</tr>
<tr>
<td>L-Log</td>
<td>D-Log</td>
</tr>
<tr>
<td>AK-Log</td>
<td>G-Log</td>
</tr>
<tr>
<td>AL-Log</td>
<td>AU-Log</td>
</tr>
<tr>
<td>A-Log</td>
<td>S-Log</td>
</tr>
</tbody>
</table>

### CONSULT YOUR DEALER FOR OTHER OPTIONS WHICH MAY BE AVAILABLE.

Model #944 DV  
U.S. INSTALLATIONS ONLY  
March 2004  
Hussong Manufacturing Co., Inc.  
204 Industrial Park Drive  
Lakefield, Minnesota 56150  
www.kozyheat.com  
Page 31
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 #: __________________________

... (cut along dotted line)