INSTALLATION & OPERATING MANUAL

MODELS:
#932 DIRECT VENT WALL-FURNACE
#936 DIRECT VENT WALL- FURNACE

U.S. Patents:
#5,931,154
#6,004,493

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

Warnock Hersey
GLOBAL POSITIONING: W43° 40.177' W095° 10.662'
www.kozyheat.com

July 2000
INDEX

DESCRIPTION PAGE
SAFETY REQUIREMENTS / SPECIFICATIONS ......................... 2-3
MINIMUM CLEARANCES ............................................. 3
GAS CONVERSIONS .................................................... 3
PREPARE THE UNIT .................................................. 4
POSITION THE UNIT .................................................. 4-5
ROUGH-IN CHIMNEY VENT DIMENSIONS .................................. 5
ROUGH-IN DIMENSIONS .................................................. 6
VENTING REQUIREMENTS ............................................. 7-10
DIRECT VENT KIT INSTALLATION ...................................... 9
FAN INSTALLATION ................................................... 11-12
GAS LINE SPECIFICATIONS ......................................... 13-14
MILLIVOLT BOARD REMOVAL / INSTALLATION .................... 15-16
LOG INSTALLATION .................................................... 16-18
WALL SWITCH - THERMOSTAT - REMOTE CONTROL INSTALLATION .................................................. 19
COMPLETE THE INSTALLATION ...................................... 20
LIGHTING & SHUTDOWN / PRESSURE TESTING ................. 21-26
MODEL #932 ............................................................. 21-23
MODEL #936 ............................................................. 24-26
CLEANING & MAINTENANCE REQUIREMENTS .................. 27
TROUBLE SHOOTING .................................................. 28-29
REPLACEMENT PARTS LISTS ......................................... 30-31
WARRANTY POLICY .................................................... 32-33
IMPORTANT:

READ THIS MANUAL BEFORE INSTALLING AND USING THIS FIREPLACE

MODELS #932 DV & #936 DV WALL FURNACE
INSTALLATION INSTRUCTIONS

This appliance has been tested to and complies with ANSI Z21.88-1998+CSA 2.33-M98, "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 Z223.1-1992 NFPA 54, or the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280.

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

INSTALLATION AND/OR REPAIR OF THIS UNIT SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER.

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

FOR YOUR SAFETY: WHAT TO DO IF YOU SMELL GAS:

- Do not touch any electrical switches.
- Do not try to light any appliance.
- Do not use the phone in your building.
- Immediately call your gas supplier from a neighbor’s phone.
- Follow the gas suppliers instructions.
- If you cannot reach your gas supplier, call the fire department.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.

WARNING: Do not use this heater 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.

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.

UNIT SPECIFICATIONS - #932DV #936DV

<table>
<thead>
<tr>
<th>Dimension</th>
<th>#932DV</th>
<th>#936DV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (A)</td>
<td>25&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>Front width (B)</td>
<td>32&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Back width (C)</td>
<td>22&quot;</td>
<td>26&quot;</td>
</tr>
<tr>
<td>Depth (D)</td>
<td>18 1/4&quot;</td>
<td>18 1/4&quot;</td>
</tr>
<tr>
<td>Face to front of 7&quot; intake</td>
<td>7 3/4&quot;</td>
<td>7 3/4&quot;</td>
</tr>
<tr>
<td>Face to center of 4&quot; exhaust</td>
<td>11 1/4&quot;</td>
<td>11 1/4&quot;</td>
</tr>
<tr>
<td>Flue size</td>
<td>4&quot; exhaust, 7&quot; intake</td>
<td></td>
</tr>
</tbody>
</table>
IMPORTANT: THESE UNITS ARE APPROVED FOR USE ONLY WITH ONE OF THE FOLLOWING DIRECT VENT SYSTEMS:

- #745 DIRECT VENT TERMINATION KIT - for terminations 4' for 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 8'.

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

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

Refer to pages #7 - #10 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.

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.

CLEARANCES

Minimum clearance to combustibles:

From unit sides & back: 0"
From unit top stand-off: 0"
To flooring: 0"
From flue vent: 1"
From unit glazing to adjacent sidewall: 8"
From heat outlet to mantle: See figure 1

GAS CONVERSIONS

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

Natural Gas Conversion Kits - used to convert an LP millivolt board to natural gas.
Model #932 - OCK-338  Model #936 - #OCK-S31

LP Gas Conversion Kits - used to convert a Natural Gas millivolt board to LP Gas.
Model #932 - OCK-353  Model #936 - #OCK-S49

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.
**A) PREPARE THE UNIT.**

1. **REMOVE THE GLASS ASSEMBLY.**
   
   See Figure 2.

   A. Locate the spring-loaded latch 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).

   D. Set aside where it will not be broken.

   E. Remove the log package from the firebox and set aside.

**B) POSITION THE UNIT.** See Figures 3A & 3B.

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

2. The unit may be installed on either the outside or inside of an exterior wall. See Figures 3A & 3B for various installation options. Follow clearance requirements listed above.

---

**CAUTION:** COLD AIR TRANSFER AREA. THE SURROUNDING WOOD CHASE OF THE OUTSIDE WALL MUST 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.
3. Cut a hole for the firestop, 9 1/2" x 9 1/2".

The top of this hole must be a minimum of:
- 42 1/2" *(A)* - Model #932 DV
- 49 1/2" *(A)* - Model #936 DV
above the height of the hearth (optional).
See Figure 4A.

*Important: This measurement is determined by the vertical height and horizontal length of the venting application desired. The measurement is to the top of the pipe. Please refer to pages #7 & #8 of this installation manual for requirements and restrictions.*
4. **Rough in the wall enclosure.** The minimum rough opening dimensions are:

**Model #932 DV:**  25 1/4" high (A)  
32 1/2" wide (B)  
18 1/2" deep

**Model #936 DV:**  32 1/4" high (A)  
36 1/2" wide (B)  
18 1/2" deep

Build the hearth to the desired size, and height. See Fig. 4B.

![Figure 4B](image)

**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: **Model #932 DV:** 18 1/4" deep by 32" wide  
**Model #936 DV:** 18 1/4" 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 non-combustible hearth extension is not required. If a hearth extension is desired, combustible materials may be used.

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

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 exits at the upper grill. Blocking these passages may result in overheating the fireplace creating a potentially hazardous situation.

5. **Place the unit into position.**
C) VENTING REQUIREMENTS

IMPORTANT: MODELS #932 DV & #936 DV ARE APPROVED FOR USE ONLY WITH THE FOLLOWING DIRECT VENT SYSTEMS:

HORIZONTAL TERMINATIONS

#700 SERIES DIRECT VENT TERMINATION KITS:
- #745 KOZY HEAT DIRECT VENT KIT - For terminations of 4' or less.
- #718 KOZY HEAT DIRECT VENT KIT - For terminations greater than 4' but less than 8'.
- #746 KOZY HEAT DIRECT VENT EXTENSION KIT - Used to extend the #745 or #718 kit an additional 6'. Used for horizontal terminations.

VERTICAL TERMINATIONS

- SIMPSON DURA-VENT DV-GS DIRECT VENT CHIMNEY SYSTEM (4" x 6 5/8").
  - Used for vertical terminations only.
  - Adaptor #923-C is required to adapt the flue collars on the unit to the Dura-Vent chimney system.
  - Vent runs must be in compliance as outlined below.
  - 45° elbows only - Follow Installation instructions included with the #923-C adaptor & chimney system.

![Diagram of Horizontal & Vertical Venting Chart]

Page 7
HORIZONTAL VENTING REQUIREMENTS

MINIMUM VERTICAL RISE* FROM TOP OF UNIT: 18 IN. (to top of 7” pipe)
MINIMUM HORIZONTAL RUN: 6 IN.
MAXIMUM HORIZONTAL RUN: 20 FT. (Horizontal runs must maintain 1/4” rise per ft.)

TOTAL HORIZONTAL & VERTICAL RUN MUST NOT EXCEED 32 FT.

*Minimum vertical rise directly off the top of the unit is determined by the length of the horizontal run. Refer to the venting diagram on page 7.

1. #700 Series vent kits must be supported every 3 ft. to maintain proper rise.

2. NOTE: IF TERMINATING AGAINST VINYL SIDING, A VINYL SIDING PROTECTOR, INCLUDED WITH THE #745 AND #718 DIRECT VENT KIT, MUST BE USED. FOLLOW INSTALLATION INSTRUCTIONS INCLUDED.

3. IMPORTANT: DO NOT RECESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS - brick, stone, etc. If necessary, extend framing so that termination kit will be exposed once building materials are installed.

4. IMPORTANT: VENT TERMINATION MUST NOT BE LOCATED WHERE IT WILL BECOME PLUGGED BY SNOW OR OTHER MATERIAL.

5. For each additional elbow used after the first elbow, you must subtract 5 ft. from the maximum horizontal run allowed.

For example: A vertical rise of 18” directly off the top of the unit with a 90° elbow would be allowed to run 6’ with 1/4” rise per ft.. If an additional elbow is used within this vent run, the maximum horizontal run allowed would be 1’ with 1/4” rise per ft.. (6 ft - 5 ft. (for additional elbow) = 1 ft.)

Follow Figure 5 for clearances to doors, windows and ground level.

Fig. 5
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 ATTACH THE #745 OR #718 TERMINATION KIT TO THE STOVE (OR EXTENSION KIT) UNTIL IT HAS PASSED THROUGH THE WALL. THE TERMINATION PLATES SHOULD ALL BE INSTALLED ON THE EXTERIOR OF THE OUTSIDE WALL.

1. If your chimney termination is 8' or less from the stove top 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'.

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.

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

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 placed 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 the figure below:

6. Apply a liberal bead of sealant around the outer edge of the plate (A), and, from the outside, place the exterior wall assembly through the 9 1/2" square hole. Place screws through the four slots (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 9 1/2" square hole, on the exterior of the house. The termination plates then fit in between these brackets, and using the screws provided, screw the brackets to the termination kit box (A). Attach the vinyl siding protector.

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

7b. The flexible termination kit includes an interior firestop assembly (G) shown on figure 4A, page 5, which is installed on the inside wall (over wall materials), around the flexible pipe. Slide the firestop over the flex pipe with the spacer legs toward the wall. OPTIONAL: Apply a liberal bead of sealant around the outside / wallside edge and place over the 9 1/2" square opening.

7c. Secure each corner with a drywall screw. (see figure 4A - page 5.)

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.

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.

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

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.

Note: The 18" minimum vertical rise measurement is to the top of the 7" pipe.

Figure 6
VERTICAL VENTING REQUIREMENTS

NOTE:  MINIMUM VERTICAL RISE FROM TOP OF UNIT: 18 IN. (to top of 7" pipe)
MAXIMUM VERTICAL RISE FROM TOP OF UNIT: 32 FT.

ELBOWS: 45° only (Dura-Vent chimney sytems)

MINIMUM CLEARANCE TO COMBUSTIBLES:  1"

WHEN VERTICALLY TERMINATING, THE MINIMUM CHIMNEY HEIGHT ABOVE THE ROOFLINE 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 15/12</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.

Figure 7

DURA-VENT CHIMNEY
1" MINIMUM CLEARANCE TO COMBUSTIBLES

1/4" RISE PER HORIZONTAL FOOT
MINIMUM OF 6" SEE CHART FOR MAXIMUMS

MIN. CHIMNEY HEIGHT
SEE CHART

32 FEET MAX

18" MINIMUM
D) FAN INSTALLATION

Installation of this fan should be done only by a qualified installer.

IMPORTANT: IF A FAN IS GOING TO BE INSTALLED, IT MUST BE COMPLETED BEFORE THE MILLIVOLT BOARD IS CONNECTED TO THE GAS LINE.

NOTE: If a fan is going to be installed, the wiring must be done prior to enclosing the sides of the unit. An electrical box is pre-installed in the fireplace and a receptacle & cover is included in the fireplace components packet.

IMPORTANT: THE LOWER GRILL MUST BE REMOVED TO PROPERLY INSTALL THIS FAN.

This optional fan kit #932-028 (Model #932) or #660-1 (Model #936) includes:

1. Right and left fan assemblies with fans and magnetic limit switch already mounted.

*NOTE: To wall-mount the speed control, you will need to purchase: (1) Electrical box (1) Cover / switch plate

NOTE: Code approved line voltage wiring 16 gauge or better must be used when wiring this system.

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.

[Diagram of wiring connections]
INSTALLATION INSTRUCTIONS. REFER TO THE FIGURE BELOW.

1. Slide the left fan (without receptacle) through the lower grill opening (rt. side of the valve) and place over the (2) left mounting studs (B) located towards the back of the unit.
2. Slide the right fan(with receptacle) (A) through the lower grill opening (rt. side of the valve) and place over the (2) right side mounting studs (B) located towards the back of the unit.
3. Place nuts on mounting studs and tighten.
4. Plug fans together by inserting the three-prong fan cord on the left fan assembly into the receptacle in the right fan assembly.
5. Install electrical box and mount the speed control on a wall, if desired.
6. Snap the receptacle into the cover (included with the fireplace components packet).
7. Insert 115V wiring (with ground) through the romex connector installed in the electrical box in the side of the unit and wire to the receptacle.
8. Place the cover on the electrical box (in the side of the unit) and secure with screws.
9. Place the magnetic limit switch (C) on the bottom of the unit, as close to the center as possible.
10. Plug cord (E) into receptacle in the electrical box.
11. Turn on/off speed control clockwise until it clicks.

NOTE: The fan will not operate unless the speed control has been turned on. Adjust fan to desired speed while it is running.

NOTE: The fan will not turn 'on' until sufficient heat is applied to the limit switch (C). The fan will turn 'on' and 'off' automatically when the fireplace heats and cools.

NOTE: 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.

Figure 8
E) 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 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.

\[
\begin{array}{|l|l|l|l|}
\hline
\text{NATURAL GAS:} & \text{Input: 26,000 BTU's} & \text{Efficiency: 71.2\%} & \text{AFUE: 64\%} \\
\text{The minimum inlet gas supply pressure: 7.0 inches W.C.} & \text{Input: 36,000 BTU's} & \text{Efficiency: 74\%} & \text{AFUE: 67\%} \\
\text{(recommended)} & \text{Manifold pressure: 3.5 inches W.C.} & & \\
\text{The maximum inlet gas supply pressure: 10.5 inches W.C.} & \text{Manifold pressure (lo setting): 1.7 inches W.C.} & & \\
\text{Model #932 - Orifice size: 38} & \text{Model #936 - Orifice size: 31} & & \\
\hline
\text{LP GAS:} & \text{Input: 26,000 BTU's} & \text{Efficiency: 73\%} & \text{AFUE: 66.7\%} \\
\text{The minimum inlet gas supply pressure: 11.0 inches W.C.} & \text{Input: 35,000 BTU'S} & \text{Efficiency: 73\%} & \text{AFUE: 68\%} \\
\text{(recommended)} & \text{Manifold Pressure: 10.0 inches W.C.} & & \\
\text{The maximum inlet gas supply pressure: 13.0 inches W.C.} & \text{Manifold Pressure (lo setting): 5.4 inches W.C.} & & \\
\text{Model #932 - Orifice size: 53} & \text{Model #936 - Orifice size: 49} & & \\
\hline
\end{array}
\]

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

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.

NOTE: Do not run the incoming gas line in a manner that would obstruct the operation of the 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. Also, see the chart on page #14 for proper supply line sizing.

3. A gas line knockout is positioned on either side of the unit for gas line connection.

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 shut off valve must be disconnected from the gas supply piping
system during any pressure testing of that system at test pressures in excess of 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 #23 for checking these pressures.

<table>
<thead>
<tr>
<th>Tubing size</th>
<th>Maximum run</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” I.D.</td>
<td>10'</td>
</tr>
<tr>
<td>1/2” I.D.</td>
<td>70'</td>
</tr>
<tr>
<td>5/8” I.D.</td>
<td>100'</td>
</tr>
<tr>
<td>3/4” I.D.</td>
<td>125'</td>
</tr>
</tbody>
</table>

SOLUTION TO EXAMPLE

(1) Maximum demand for outlet “A” 30 CFH
Maximum demand for outlet “B” 25 CFH
Maximum demand for outlet “C” 75 CFH
Maximum demand for outlet “D” 136 CFH

TOTAL DEMAND 266 CFH

(2) The length of pipe from the gas meter to the most remote outlet (outlet “A”) is 60'.
THIS IS THE ONLY DISTANCE USED.

(3) Using horizontal line marked 60', outlet “A” supplying 30 cubic feet an hour requires ½ inch pipe.
Outlet “B” supplying 25 cubic feet an hour requires ½ inch pipe. Section 1 supplying outlets “A” & “B”,
55 cubic feet an hour requires ½ inch pipe.
F) SECURE THE MILLIVOLT BOARD. See Figures 10A & 10B.

NOTE: The unit is equipped with the millivolt board & burner/cover assembly already installed. Referring to 'INSTALLING THE BOARD' section, page 16, check to ensure all (8) nuts securing the millivolt board and burner cover are in place and properly tightened.

Follow these procedures should the millivolt board need replacing or is removed for servicing.

MILLIVOLT BOARD REMOVAL. See figures 10A & 10B

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 unit.
5. Loosen and remove the (2) 1/4" nuts securing the burner tube & burner cover assembly and remove.
6. Loosen and remove the (8) 1/4" nuts and, while grasping the board, gently lift it off the (8) bolts and remove from the unit.
INSTALLING THE BOARD.

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 regulator board.

1. Grasp the board with both hands and place into the unit, lining up the eight 1/4" holes.

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 (included with the board assembly) and tighten.
3. Place the burner tube / cover assembly onto the board, properly seating the burner tube over the orifice and aligning the slots in the board to the studs in the cover. Secure with the (2) 1/4" nuts.
4. Connect the flexible gas line to the manual shut-off valve.
5. Reconnect any remote, wall switch or thermostat.
6. Replace the logs as described in section 'G'.

IMPORTANT: CHECK ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE FOR LEAKS.

G) #932 DV LOG INSTALLATION. See Figure 11A & 11B, page 17.

This #932-500 log set includes:

- (1) ‘AD’ log
- (1) ‘AG’ log
- (1) ‘AH’ log
- (1) ‘AI’ log
- (2) ‘M’ logs
- (1) ‘AJ’ log
- (1) ‘G’ log
- (1) ‘C’ log

Figure 11A

1. Place the 'AI' log onto the center of the burner cover aligning the curved left end to the curve on the burner cover and centering the log between the front and back slots. Press firmly onto the pins.

2. Place the 'AD', 'AG', & 'AH' logs into position on the burner cover aligning the holes in the bottom of the logs to the corresponding pins in the burner cover.

3. Position top logs 'M' and 'C' onto the previously positioned logs as shown.

4. Position the 'AJ' log behind the log grate and set the 'G' log onto the 'AJ' log.

*Refer to completed log set diagram below.

Figure 11B

Installed #932 DV Log Set

#936 DV LOG INSTALLATION. See Figures 11C & 11D.

This #936-50B log set includes:

(1) XAH - Log (1) AP - Log (1) J - Log (2 pc.)
(1) AC - Log (1) C - Log (1) L - Log
(1) AO - Log (1) G - Log (1) N - Log

Figure 11C
Referring to figures 11C & 11D:

NOTE: THE 'N', 'L', AND 'XAH' LOGS HAVE ALIGNMENT HOLES INCORPORATED INTO THE BOTTOM AND SHOULD BE PLACED ONTO THE CORRESPONDING PINS IN THE BURNER COVER.

Referring to diagrams 11C & 11D:

1. Place the 2 pc. 'J' log onto the center of the burner cover aligning the curved left end to the curve on the burner cover and centering the log between the front and back slots. Press firmly onto the pins.

2. Place the 'N', 'L', and 'XAH' logs into position on the burner cover aligning the holes in the bottom of the logs to the corresponding pins in the burner cover.

3. Position top logs 'AO', 'C', and 'AP' onto the previously positioned logs as shown*.

4. Position the 'AC' log behind the log grate and set the 'G' log onto the AC' log* as shown..

ATTENTION HOMEOWNER / INSTALLER:

TO ACHIEVE OPTIMUM GLOW AND FLAME APPEARANCE, IT MAY BE NECESSARY TO SLIGHTLY ADJUST THE VENTURI SHUTTER POSITION AND/OR THE LOG POSITIONS.

*Refer to the completed log set diagram, figure 11D.

![Installed #936 DV Log Set](image)

Figure 11D

INITIAL BURN PERIOD

Due to the makeup of the fiber logs & refractory brick panels, the curing process may take up to 4 hours of burn time. During this period, the logs and 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***
H) THERMOSTAT - WALL SWITCH - REMOTE INSTALLATION (optional).

NOTE: Model #932, refer to figures 12A & 12B. Model #936, refer to figures 13A & 13B.

CAUTION: DO NOT connect high voltage (115 V) wire to the switch.

1. 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.

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

2. Run low-voltage (thermostat) wire from the on/off switch, to the desired location of the thermostat or wall switch. Do not run wire more than 30'. **NOTE:** If too heavy of wire is used or run more than 30', the electricity generated by the unit's generator will not be sufficient to make the regulator work properly.

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

The on/off rocker switch on the millivolt board must be in the ‘off’ position if any of the above systems are installed on the unit.

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.

Remote Control & Thermostat Wiring Diagrams for Model #932.

Remote Control & Thermostat Wiring Diagrams for Model #936.
I) COMPLETE THE INSTALLATION

1. Complete the fireplace walls, and the unit facing.

**CAUTION:** 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 page #21-#22 or #24-#25. 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. Refer also to Figure 2, pg.4.**

   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.
   C) Secure the assembly to the fireplace by pushing the two spring loaded handles (located under the firebox) back, locking them into 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.

4. **Upper Grill - 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.

   **Remove:**

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

5. **Lower grill - See Figure 14**

   **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.

   The grill is now in place. The grill may be lowered for lighting purposes, etc.

   **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).
J) LIGHTING AND SHUTDOWN / PRESSURE TESTING

MODEL #932 DV

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 ½ psi.

NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas line at test pressures equal to or less than 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 #23 for checking these pressures.

NOTE: Read 1-8 before lighting the unit for the first time.

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 \( \swarrow \) to "OFF".

   Gas control knob
   shown in "on" position

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 black knob on gas control counterclockwise \( \searrow \) to "PILOT".

8. Push in the black control knob all the way and hold in. Press the RED igniter button (C).

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 \( \searrow \) to "ON".

10. Flip the on/off switch (B) to the "on" position.
11. Set thermostat, if used, to desired setting.
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.

12. 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.

13. To turn off the pilot, push in and turn the knob to the "off" position.

NOTE: A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. IT IS RECOMMENDED TO LEAVE THE FAN OFF, IF INSTALLED, 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.
MODEL #932 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.
2. Loosen the manifold pressure tap [C] by turning the screw counter-clockwise.
3. Attach manometer to pressure tap using a 5/16" I.D. hose [E].
4. Turn black control knob [A] to the ‘on’ position.
5. Turn the burner on by depressing the rocker switch [B] to expose the ‘red’ and note manometer reading.
6. Disconnect manometer hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
7. 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 [D] by turning screw counter-clockwise.
2. Attach manometer using a 5/16" I.D. hose [E].
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 [B] to the ‘on’ position and check the pressure to ensure that it stays near the maximum inlet pressure.
6. Turn the rocker switch [B] 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 15B

Page 23
LIGHTING AND SHUTDOWN / PRESSURE TESTING

MODEL #936

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 ½ psi.

NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas line at test pressures equal to or less than 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 #26 for checking these pressures.

NOTE: Read 1-8 before lighting the unit for the first time. Refer to figure 16A, page 25.

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 \( \checkmark \) to "OFF".

![GAS VALVE]

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 inside the combustion chamber.

7. Turn the control knob on gas valve counterclockwise \( \checkmark \) to "PILOT".

8. Push in the control knob all the way and hold in. Press the piezo igniter button (C).

   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 \( \checkmark \) to "ON".

10. The burner can now be turned 'on' or lit by depressing the ON/OFF rocker switch located beside the valve (B) 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).

![Fig. 16A](image)

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.

<table>
<thead>
<tr>
<th>INITIAL BURN PERIOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUE TO THE MAKEUP OF THE FIBER LOGS &amp; REFRACTORY, THE CURING PROCESS MAY TAKE UP TO 4 HOURS OF BURN TIME. DURING THIS PERIOD, THE LOGS &amp; 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.</td>
</tr>
</tbody>
</table>

**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 S.I.T. Controls. 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 [C] by turning the screw counter-clockwise.
3. Attach manometer to pressure tap using a 5/16" I.D. hose [E].
4. Turn black control knob [A] to the ‘on’ position.
5. Turn the burner on by depressing the rocker switch [B] to expose the ‘red’ and note manometer reading.
6. Disconnect manometer hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
7. 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 [D] by turning screw counter-clockwise.
2. Attach manometer using a 5/16" I.D. hose [E].
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 [B] to the ‘on’ position and check the pressure to ensure that it stays near the maximum inlet pressure.
6. Turn the rocker switch [B] 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.
K) 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.

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

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 #700-08T (Model #932) or #700-07T (Model #936) shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.
- Replacement of the glass & gasket assembly, Part #700-08T - Model #932 or Part #700-07T - Model #936, 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.
L) 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>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” space between it &amp; the pilot.</td>
</tr>
<tr>
<td>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>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 wire loose at valve connection.</td>
<td>Check connection on valve.</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>
</tbody>
</table>

Model #932 DV - Wiring Diagram

FIGURE 17A
<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>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>Press bottom of switch</td>
</tr>
<tr>
<td></td>
<td>Rocker switch wire not connected</td>
<td>Check wiring diagram Figures 17A &amp; 17B and ensure that all wires are secure.</td>
</tr>
<tr>
<td></td>
<td>Generator wires loose at regulator terminals</td>
<td>Reposition wire and tighten screws. See Figures 17A &amp; 17B 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 figure 10.</td>
<td>Connect properly or disconnect and use on/off switch only.</td>
</tr>
<tr>
<td>Burner won't stay lit</td>
<td>Wall switch, thermostat wire too thick or run more than 30 ft.</td>
<td>Disconnect wires from valve. If burner stays lit, change location or use on/off switch only.</td>
</tr>
</tbody>
</table>

#936 DV - Wiring Diagram

Figure 17B

ATTENTION HOMEOWNER / INSTALLER:

BLUE FLAMES

AND/OR

LOW FLAMES:

1. SLIGHTLY CLOSING THE VENTURI SHUTTER MAY BE NECESSARY IF FLAMES ARE BLUE. THIS IS LOCATED AT THE END OF THE BURNER TUBE WHERE IS IT POSITIONED OVER THE ORIFICE. **NOTE: LOOSEN SET SCREW AND ADJUST. RETIGHTEN SET SCREW.**

2. SLIGHTLY ADJUSTING LOG POSITIONS MAY BE NECESSARY TO ACHIEVE OPTIMUM GLOW & FLAME APPEARANCE.
# REPLACEMENT PARTS

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

## MODEL #932 MILIVOLT BOARD AND PARTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>932-400</td>
<td>#932 Millivolt Board - Natural Gas</td>
<td>700-212</td>
<td>12&quot; Flexible Gas Line - #932 gas line connection</td>
</tr>
<tr>
<td>932-401</td>
<td>#932 Millivolt Board - LP Gas</td>
<td>700-224</td>
<td>3/8&quot; Flexible Gas Line (valve to burner connection)</td>
</tr>
<tr>
<td>700-032</td>
<td>Piezo Ignitor</td>
<td>700-238</td>
<td>#932 Natural Gas orifice - #38</td>
</tr>
<tr>
<td>700-033</td>
<td>On/Off Rocker Switch</td>
<td>700-253</td>
<td>#932 LP Gas orifice - #53</td>
</tr>
<tr>
<td>700-036</td>
<td>Millivolt Generator</td>
<td>700-287</td>
<td>Natural Gas Pilot orifice</td>
</tr>
<tr>
<td>700-039</td>
<td>Hi/Lo Adjustable regulator (Natural Gas)</td>
<td>700-256</td>
<td>LP Gas Pilot orifice</td>
</tr>
<tr>
<td>700-040</td>
<td>Hi/Lo Adjustable regulator (LP Gas)</td>
<td>700-055</td>
<td>Pilot/Generator/Thermocouple Assembly-Nat. Gas</td>
</tr>
<tr>
<td>700-059</td>
<td>Thermocouple (30-second)</td>
<td>700-056</td>
<td>Pilot/Generator/Thermocouple Assembly-LP Gas</td>
</tr>
<tr>
<td>700-060</td>
<td>Pilot Tube with fitting (valve to pilot)</td>
<td>932-135</td>
<td>Burner Tube &amp; Cover - Model #932 DV</td>
</tr>
<tr>
<td>700-203</td>
<td>Manual Shut Off Valve</td>
<td>OCK-338</td>
<td>Natural Gas Conversion Kit - #932 DV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OCK-353</td>
<td>LP Gas Conversion Kit - #932 DV</td>
</tr>
</tbody>
</table>

## MODEL #936 MILIVOLT BOARD AND PARTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>836-700</td>
<td>#936 Millivolt Board - Natural Gas</td>
<td>700-098</td>
<td>Pilot Hood</td>
</tr>
<tr>
<td>836-701</td>
<td>#936 Millivolt Board - LP Gas</td>
<td>700-099</td>
<td>Piezo Ignitor with nut</td>
</tr>
<tr>
<td>700-033</td>
<td>On/Off Rocker Switch</td>
<td>700-203</td>
<td>Manual Shut Off Valve</td>
</tr>
<tr>
<td>700-086</td>
<td>S.I.T. Valve - Natural Gas</td>
<td>700-213</td>
<td>18&quot; Flexible Gas Line - #936 gas line connection</td>
</tr>
<tr>
<td>700-087</td>
<td>S.I.T. Valve - LP Gas</td>
<td>700-224</td>
<td>Flexible Gas Line - Valve to Burner connection</td>
</tr>
<tr>
<td>700-088</td>
<td>Pilot/Generator/Thermocouple - Natural Gas</td>
<td>700-231</td>
<td>Natural Gas orifice - #31</td>
</tr>
<tr>
<td>700-089</td>
<td>Pilot/Generator/Thermocouple - LP Gas</td>
<td>700-249</td>
<td>LP Gas orifice - #49</td>
</tr>
<tr>
<td>700-091</td>
<td>Flexible Pilot Tubing (Valve to Pilot)</td>
<td>OCK-331</td>
<td>Natural Gas Conversion Kit - #936 DV</td>
</tr>
<tr>
<td>700-092</td>
<td>Millivolt Generator</td>
<td>OCK-S49</td>
<td>LP Gas Conversion Kit - #936 DV</td>
</tr>
<tr>
<td>700-093</td>
<td>Thermocouple</td>
<td>900-135</td>
<td>Burner Tube &amp; Cover - #936 DV</td>
</tr>
<tr>
<td>700-094</td>
<td>Pilot Orifice - Natural Gas</td>
<td>900-035</td>
<td>Burner Tube</td>
</tr>
<tr>
<td>700-095</td>
<td>Pilot Orifice - LP Gas</td>
<td>900-035A</td>
<td>Burner Cover</td>
</tr>
<tr>
<td>700-096</td>
<td>Hi/Lo Adjustable Regulator - Natural Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>700-097</td>
<td>Hi/Lo Adjustable Regulator - LP Gas</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

# FAN - REPLACEMENT ONLY

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>932-028</td>
<td>#932 DV Fan Kit with Temperature limit switch &amp; speed control</td>
</tr>
<tr>
<td>600-1</td>
<td>#936 DV 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>
<tr>
<td>600087</td>
<td>Speed Control Assembly - Dashboard (#936 DV only)</td>
</tr>
</tbody>
</table>

# REMOTE CONTROLS / THERMOSTAT

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>791-2</td>
<td>Remote Bracket - Dashboard (#936 DV only)</td>
</tr>
<tr>
<td>796-1</td>
<td>Remote Control with thermostat</td>
</tr>
<tr>
<td>797-1</td>
<td>Remote Control</td>
</tr>
<tr>
<td>700038</td>
<td>Wall-mount Thermostat</td>
</tr>
</tbody>
</table>

# GLASS AND BRASS TRIM

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>700-08T</td>
<td>12&quot; x 27&quot; Glass with gasket - Model #932 DV</td>
</tr>
<tr>
<td>700-07T</td>
<td>17&quot; x 30&quot; Glass with gasket - Model #936 DV</td>
</tr>
<tr>
<td>900-066</td>
<td>Tadpole glass gasket w/ adhesive</td>
</tr>
<tr>
<td>500-932</td>
<td>Arched Frame Brass Trim (2 pc.) - #932 DV</td>
</tr>
<tr>
<td>500-936</td>
<td>Arched Frame Brass Trim (2 pc.) - #936 DV</td>
</tr>
</tbody>
</table>
### GRILL SETS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-342</td>
<td>Brass Grill Set - #932 DV</td>
</tr>
<tr>
<td>500-333</td>
<td>Brass Grill Set - #936 DV</td>
</tr>
<tr>
<td>500-344</td>
<td>Brass Accent Grill Set - #932 DV</td>
</tr>
<tr>
<td>500-334</td>
<td>Brass Accent Grill Set - #936 DV</td>
</tr>
<tr>
<td>500-362</td>
<td>Prairie Design Grill Set - #932 DV</td>
</tr>
<tr>
<td>500-356</td>
<td>Prairie Design Grill Set - #936 DV</td>
</tr>
</tbody>
</table>

### UPPER GRILLS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>932-200</td>
<td>Black Upper Grill - #932 DV</td>
</tr>
<tr>
<td>936-200</td>
<td>Black Upper Grill - #936 DV</td>
</tr>
<tr>
<td>932-20B</td>
<td>Brass Upper Grill - #932 DV</td>
</tr>
<tr>
<td>936-20B</td>
<td>Brass Upper Grill - #936 DV</td>
</tr>
<tr>
<td>301-112</td>
<td>Brass Accent Upper Grill - #932 DV</td>
</tr>
<tr>
<td>VF-200</td>
<td>Brass Accent Upper Grill - #936 DV</td>
</tr>
</tbody>
</table>

### LOWER GRILLS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>932-201</td>
<td>Black Lower Grill - #932 DV</td>
</tr>
<tr>
<td>936-201</td>
<td>Black Lower Grill - #936 DV</td>
</tr>
<tr>
<td>932-21B</td>
<td>Brass Lower Grill - #932 DV</td>
</tr>
<tr>
<td>936-21B</td>
<td>Brass Lower Grill - #936 DV</td>
</tr>
<tr>
<td>302-112</td>
<td>Brass Accent Lower Grill - #932 DV</td>
</tr>
<tr>
<td>VF-201</td>
<td>Brass Accent Lower Grill - #936 DV</td>
</tr>
</tbody>
</table>

### GRILL LOUVERS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-227</td>
<td>Brass louver 27 1/2&quot; (Model #932 DV)</td>
</tr>
<tr>
<td>500-225</td>
<td>Brass louver 30 1/2&quot; (Model #936 DV)</td>
</tr>
<tr>
<td>500-244</td>
<td>Black louver 27 1/2&quot; (Model #932 DV)</td>
</tr>
<tr>
<td>500-243</td>
<td>Black louver 30 1/2&quot; (Model #936 DV)</td>
</tr>
</tbody>
</table>

### VENT SYSTEMS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>745</td>
<td>Direct Vent Kit (for terminations up to 4')</td>
</tr>
<tr>
<td>718</td>
<td>Direct Vent Kit (for terminations up to 8')</td>
</tr>
<tr>
<td>746</td>
<td>Direct Vent Extension Kit (6' long)</td>
</tr>
<tr>
<td>747</td>
<td>Vinyl Sliding Protector</td>
</tr>
<tr>
<td>923-C</td>
<td>Dura-Vent Adaptor</td>
</tr>
<tr>
<td>745060</td>
<td>Firestop</td>
</tr>
</tbody>
</table>

### MISC.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>617</td>
<td>44&quot; Lintel Iron</td>
</tr>
<tr>
<td>932-080</td>
<td>Black Interior Trim - #932</td>
</tr>
<tr>
<td>936-080</td>
<td>Black Interior Trim - #936</td>
</tr>
<tr>
<td>932-081</td>
<td>Black Exterior Trim - #932</td>
</tr>
<tr>
<td>936-081</td>
<td>Black Exterior Trim - #936</td>
</tr>
<tr>
<td>932-DOR</td>
<td>Black Screen Doors - Model #932 DV</td>
</tr>
<tr>
<td>932PDOR</td>
<td>Prairie Design Screen Doors - Model #932 DV</td>
</tr>
<tr>
<td>936-DOR</td>
<td>Black Screen Doors - Model #936 DV</td>
</tr>
<tr>
<td>936PDOR</td>
<td>Prairie Design Screen Doors - Model #936 DV</td>
</tr>
</tbody>
</table>

### LOG SETS & REFRACTORY

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>932-500</td>
<td>Log Set - #932 DV</td>
</tr>
<tr>
<td>936-506</td>
<td>Log Set - #936 DV</td>
</tr>
<tr>
<td>932-500</td>
<td>Refractory Panels (Back &amp; Side) - #932 DV</td>
</tr>
<tr>
<td>936-500</td>
<td>Refractory Panels (Back &amp; Side) - #936 DV</td>
</tr>
</tbody>
</table>

**Models #932/936 DV - US INSTALLATIONS ONLY**  
Revised 7/00  

Manufactured by:  
Hussong Mfg. Co., Inc.  
204 Industrial Park Drive  
Lakefield, MN 56150  

www.kozyheat.com  
Page 31
KOZY HEAT
LIMITED 10 YEAR WARRANTY

This Limited 10 Year Warranty will not become effective until the warranty registration form has been completed and mailed to Hussong Manufacturing Co., Inc., P.O. Box 577, Lakefield, MN 56150. This registration form must be received within 30 days of installation. Failure to do so may result in 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 following 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 following 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 wholesale prices for any defect in material or workmanship of components, including optional components and accessories. 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. Products made by other manufactures are NOT covered by this Limited Warranty, regardless of whether they were purchase with the fireplace or later added.

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 or 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 #: __________

INSTALLER NAME: _______________________________
ADDRESS: ____________________________________
_____________________________________________

TELEPHONE # _________________________________

TELEPHONE # _________________________________

Page 33