

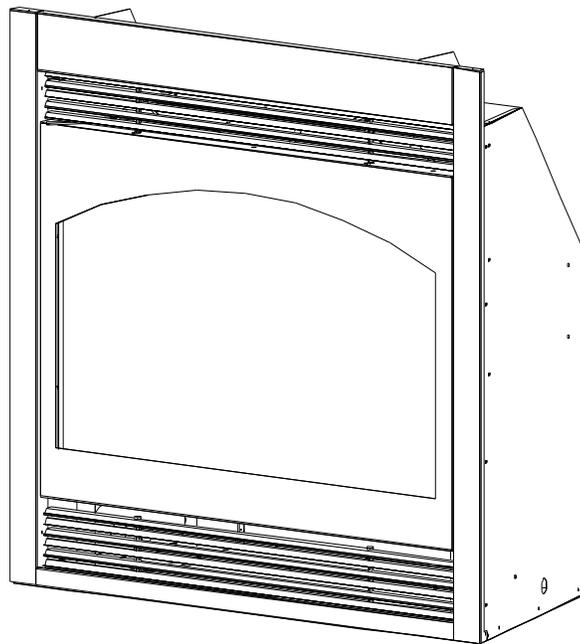


INSTALLATION & OPERATING MANUAL

#942 DIRECT VENT

DESIGN-CERTIFIED TO:

DECORATIVE & WALL FURNACE ANSI PERFORMANCE & SAFETY STANDARDS



U.S. PATENTS:

#5,931,154,

#5,967,139

#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.



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June 2007

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MODEL #942 DIRECT VENT
DECORATIVE / ROOM HEATER GAS BURNING FIREPLACE

INSTALLATION & OPERATING INSTRUCTIONS

IMPORTANT:
READ THIS MANUAL BEFORE INSTALLING AND USING THIS FIREPLACE

INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER,
SERVICE AGENCY OR THE GAS SUPPLIER.

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.

This fireplace has been tested to and complies with ANSI Z21.88 2002•CSA 2.33-M02 "VENTED GAS FIREPLACE HEATERS". 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.

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes. This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

FOR YOUR SAFETY

WHAT TO DO IF YOU SMELL GAS

- ◆ Open windows.
- ◆ Extinguish any open flame.
- ◆ Do not try to light any appliance.
- ◆ Do not touch any electrical switch; do not use any phone in your building.
- ◆ Immediately call you gas supplier from a neighbor's phone. Follow the gas supplier's 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.

COMMONWEALTH OF MASSACHUSETTS INSTALLATIONS:

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

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

WARNING: Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect this appliance and to replace any part of the control system and any gas control which has been under water.

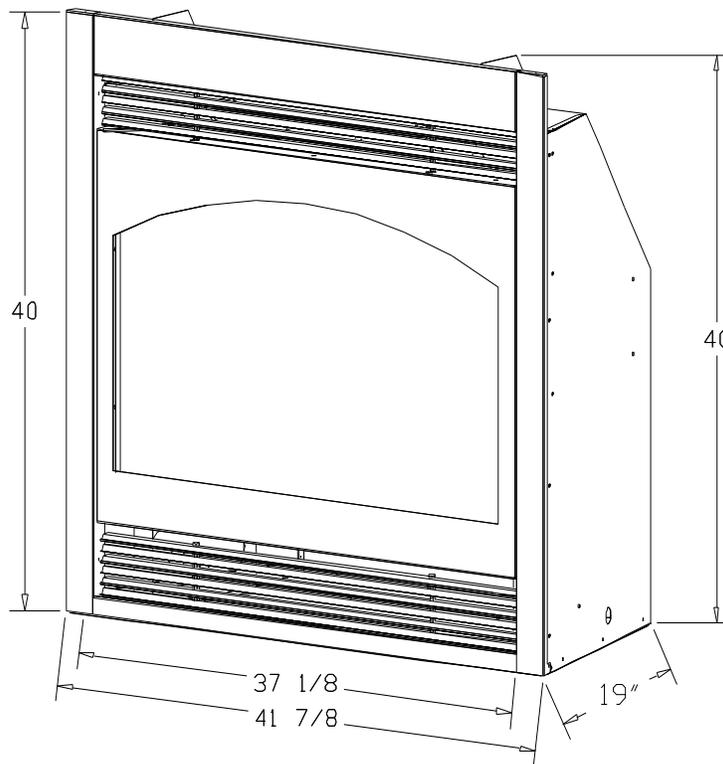
WARNING: DO NOT REPLACE THE BURNER WITH ANY OTHER SIZED BURNER. REPLACEMENT WITH AN UNAUTHORIZED BURNER CAN RESULT IN TEMPERATURES EXCEEDING THE LIMITS FOR THIS FIREPLACE, AND VOID YOUR WARRANTY.

IMPORTANT:

NON-COMBUSTIBLE FACING MATERIAL MAY BE APPLIED OVER THE FACE. TO PREVENT THE FACING MATERIAL FROM CRACKING AND FALLING OFF DUE TO EXPANSION OF THE FACE WHEN HEATED, DO NOT ATTACH FACING MATERIAL DIRECTLY TO THE FACE OF THE FIREPLACE.

FIREPLACE SPECIFICATIONS -

HEIGHT (TOP OF FACE): 40"
HEIGHT (TOP OF STAND-OFF): 40"
FRONT WIDTH: 41 7/8"
BACK WIDTH: 31"
DEPTH (INCLUDES FACE): 19"
FLUE SIZE: 5" exhaust, 8" intake



VENTING GUIDELINES

IMPORTANT: THIS FIREPLACE IS APPROVED FOR USE ONLY WITH ONE OF THE FOLLOWING DIRECT VENT SYSTEMS. THESE SYSTEMS MAY BE USED FOR HORIZONTAL OR VERTICAL TERMINATIONS.

- #844 DIRECT VENT TERMINATION KIT - for terminations of 3' or less.
- #845 DIRECT VENT TERMINATION KIT - for terminations greater than 6' but less than 8'.
- #846 DIRECT VENT EXTENSION KIT-6'

- SIMPSON DURA-VENT DV-GS DIRECT VENT CHIMNEY SYSTEM - 5" X 8"
- AMERI-VENT DIRECT VENT CHIMNEY SYSTEM - 5" X 8"

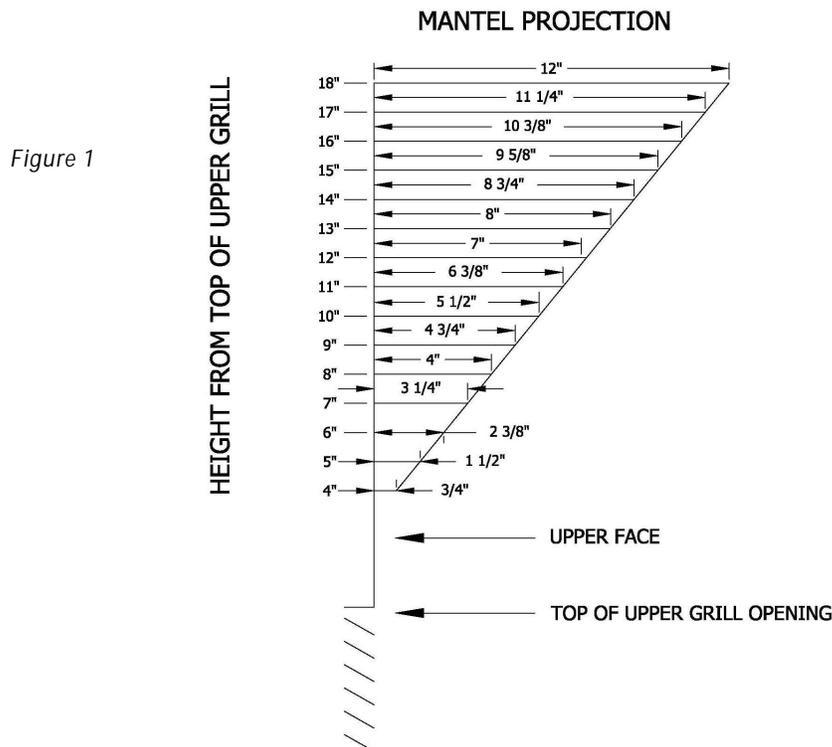
Refer to pages #8- #13 for complete venting installation instructions / requirements.

CLEARANCES:

Minimum clearance to combustible material:

From fireplace sides & back:	0"	From heat outlet to 8" mantel (or see Figure 1):	13"
From fireplace top stand-off:	0"	From glazing (glass) to adjacent sidewall:	12"
To flooring:	0"	From fireplace to enclosure ceiling:	4"
From #800 Series flexible chimney:	2"	From Dura-Vent chimney system:	1"

NOTE: Even though the minimum clearance from the sides and back is 0", we recommend that you allow an expansion space of 1/4" from the sides and back. If this expansion space is not left, the fireplace will make a loud 'banging' noise when it heats up or cools down and cracking of any face material used may occur.



A) DETERMINE LOCATION - Figure 2A.

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.
2. This fireplace may be installed on either the outside or inside of an exterior wall. See Figure 2A.

The location of doors, windows, soffits / overhangs, etc. must be considered in relation to where the vent termination cap is to be located. Refer to Figure 2B, page #5.
3. Ensure the proper clearances are maintained as outlined on page #3.
4. If the optional heat ducts are used, their location must be considered in relation to the location of the fireplace.

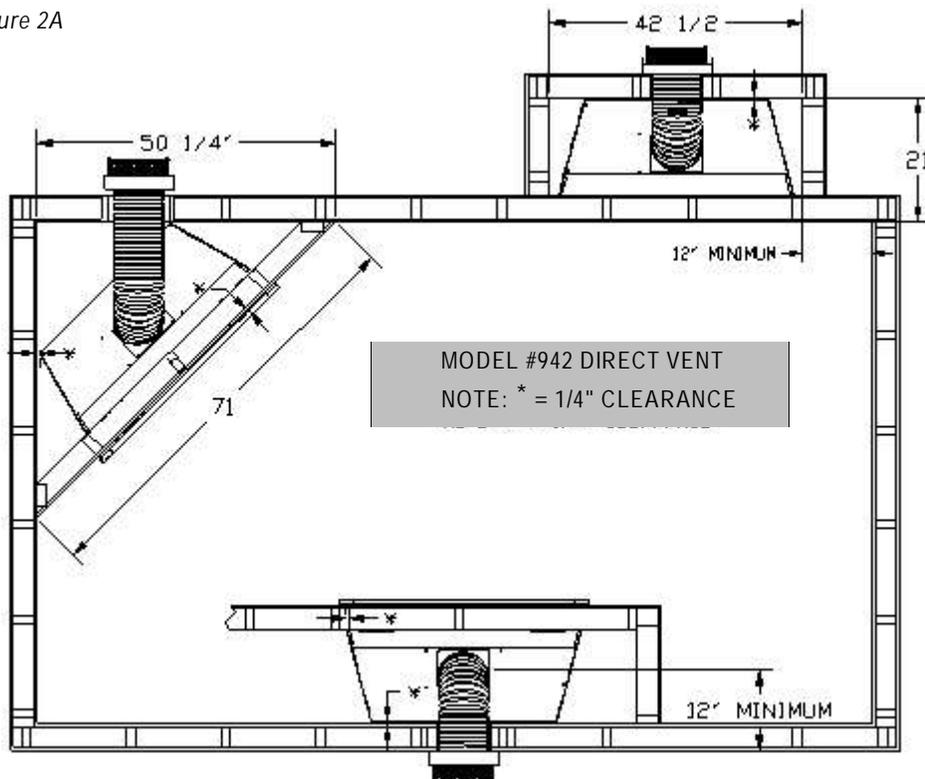
The heat ducts may be vented into the same room as the fireplace or may be vented to other rooms. A maximum run of 20 ft. for each duct is recommended.

Venting should be completed before framing the fireplace in. Refer to instructions included in the #970 duct kit for complete installation requirements.

CAUTION: 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 fireplace should be located out of traffic areas and away from furniture and draperies.

Figure 2A



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 #800 Series Direct Vent System, Simpson Dura-Vent DV-GS Chimney System or Ameri-Vent Direct Vent System must follow the clearances to doors, windows, and ground level as shown below for proper vent cap location.

GENERAL:

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

LOCATION CLEARANCES:

- S Above grade, veranda, porch, deck, balcony - 12". (A)
- S Operable window - 12". (B)
- S Permanently closed window - 12" (recommended to prevent condensation on window. (C)
- S Ventilated soffit - 24". (D)
- S Unventilated soffit - 12". (E)
- S Outside / inside corner - 12". (F)
- S Meter / Regulator: not to be installed above within 3 ft. horizontally from the center line of the regulator.
- S Service regulator vent outlet - 3 ft. radius.
- S Non-mechanical air supply inlet to building - 12".
- S Combustion air inlet to any other appliance - 12".
- S Mechanical air supply inlet (G) - US: 3 ft. above if within 10 ft. horizontally.
NOTE: Massachusetts installations: 10 ft.
- S Above furnace exhaust or inlet - 12".
- S Above paved side-walk or paved driveway located on public property - 7 ft. * (H)
- NOTE: A vent cannot be located directly above a side-walk or paved driveway that is located between two single family dwellings and serves both dwellings.
- S Under veranda, porch, deck, or balcony (must be fully opened on a min. of 2 sides) - 12". (I)
- S Between two horizontal terminations - 12".
- S Between two vertical terminations - 12" (J) - Note: May be the same height.

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

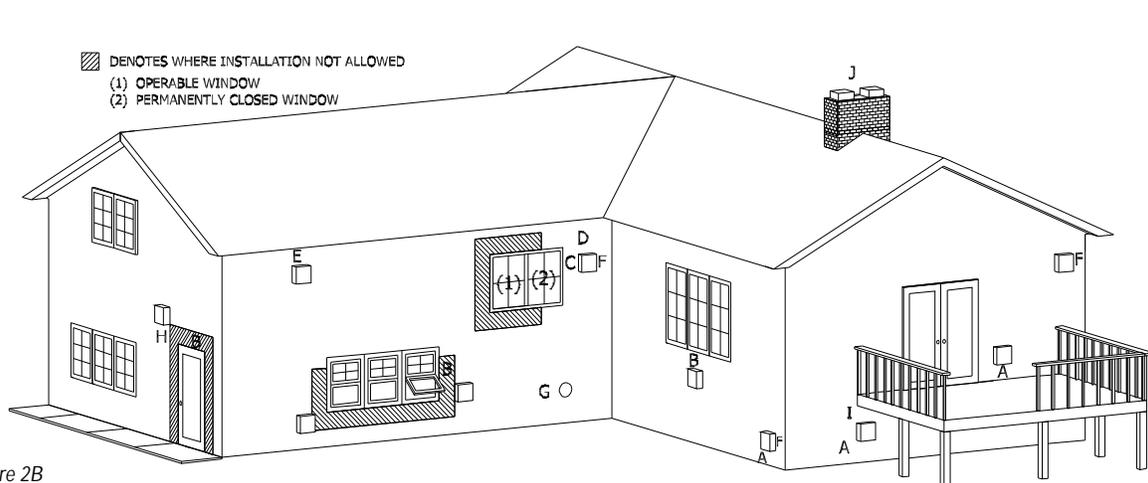


Figure 2B

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

B) FRAME & POSITION THE FIREPLACE

1. Frame an opening for the firestop / wall thimble. The location of this opening is determined by your venting specifications. Refer to the information below.

TYPICAL HORIZONTAL INSTALLATIONS:

Dimensions are 12 1/2" wide x 12 1/2" high when using the #800 series direct vent kits and 11" X 11" when using the Dura-Vent chimney system. The top of this opening must be a minimum of 45" * above the height of the hearth (optional). See Fig. 3. Refer to pages #8-#13 for additional venting specifications.

*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. Refer to pages #8 - #13 of this installation manual for requirements and restrictions.

2. Rough in the wall enclosure. The minimum rough opening dimensions are 42 1/2" wide, 40 1/4" high and 21" deep. Build the hearth to the desired size and height. See Figure 4.

NOTE: When the fireplace 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 fireplace. The minimum for the support platform under the fireplace is 42" wide by 19" deep. If masonry is to be used, (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over the top of the fireplace to support the added weight.

NOTE: A hearth is not required. If a hearth 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 for opening to operate the control valve. Do not obstruct the upper and lower grill areas to allow proper ventilation air around the fireplace. Air enters the fireplace at the lower grill and exits at the upper grill. Do not block this passage.

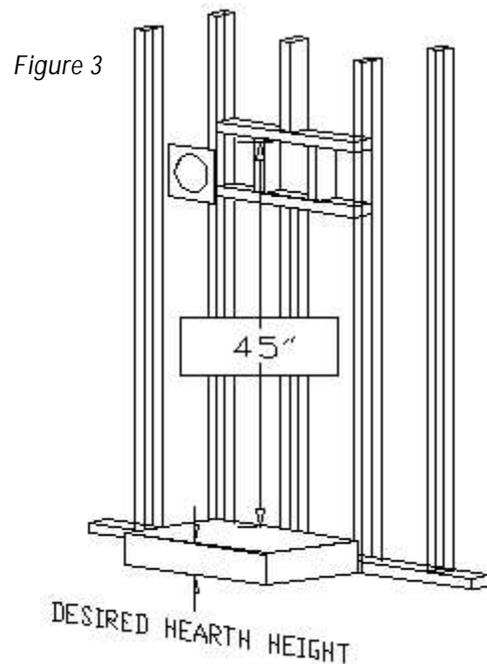
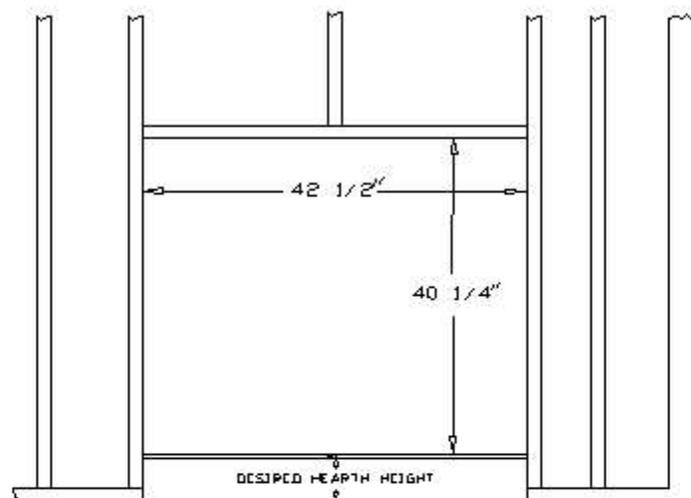


Figure 4

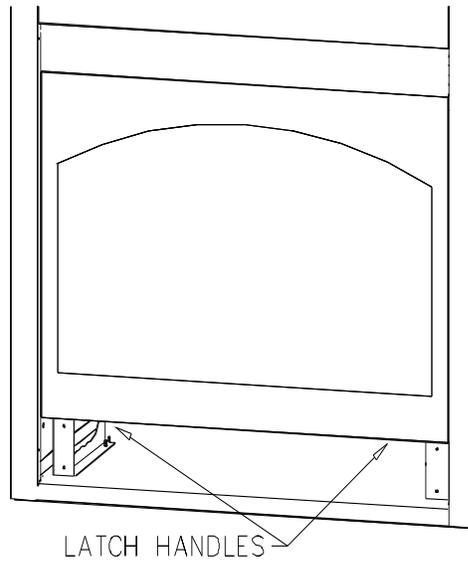


3. Place the fireplace into position.

4. REMOVE THE GLASS ASSEMBLY.

- A. Locate the spring-loaded handles securing the glass assembly (under the firebox).
- B. Pull the latch handles out, then down to release the glass assembly.
- C. Pull the bottom of the glass assembly out and lift up off the tabs at the top.
- D. Set aside where it will not be broken.
- E. Remove the log package and klinkers from inside the firebox & set aside for later installation.

Figure 5



C) VENTING REQUIREMENTS

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

Note: We recommend using the #800 series direct vent system for horizontal vent runs only. The Simpson Dura-Vent DV-GS & AMERI-VENT DIRECT VENT 5" x 8" systems may be used for both horizontal and vertical vent runs.

- #844 DIRECT VENT TERMINATION KIT - for vent runs 3' or less.
- #845 DIRECT VENT TERMINATION KIT - for vent runs greater than 6' but less than 8'.
- #846 DIRECT VENT EXTENSION KIT - 6'
- SIMPSON DURA-VENT DV-GS DIRECT VENT CHIMNEY SYSTEM - 5" x 8".
- AMERI-VENT DIRECT VENT SYSTEM - 5" X 8".

HORIZONTAL TERMINATIONS:

Minimum 6" run directly from appliance outlet, followed by a 45-degree elbow.

Minimum horizontal run outlet: 6"

Maximum Horizontal run: 20 ft. (with 1/4" per foot incline)

VERTICAL TERMINATIONS:

Attach a 45-degree elbow directly onto appliance outlet.

Maximum vertical rise from appliance outlet: 40 ft.

IMPORTANT: Straight vertical terminations must use the included restrictor plate for vent runs 15' - 40'.

ELBOWS:

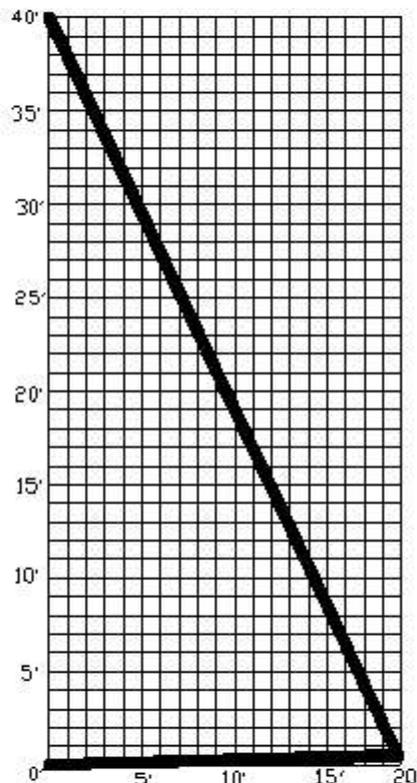
(1) 45° elbow at start & (2) 90° elbows included within the maximum vent runs. Each additional elbow reduces the maximum horizontal distance by 5'.

FOR SIMPSON DURA-VENT DV-GS & AMERI-VENT 5" X 8" DIRECT VENT SYSTEMS - Follow installation instructions included with the vent system.

Vertical Termination: A 45-degree elbow may be attached directly to the fireplace and run a maximum of 40 ft. 2 - 90-degree elbows may be used within the 40 ft. vertical vent run.

Vent runs of 15' - 40' must install the restrictor plate included with this fireplace.

Figure 6



20 FT. MAX. HORIZONTAL RUN
IMPORTANT:
1/4" RISE PER HORIZONTAL
FOOT MUST BE MAINTAINED.

Horizontal terminations: The minimum vent run directly off the fireplace is 6". Connect to a 45-degree elbow prior to attaching to the fireplace to ensure the chimney is positioned horizontally. 2 - 90-degree elbows may be used within the maximum 20 ft. horizontal vent run. For each additional elbow, the maximum horizontal distance must be reduced by 5'.

VERTICAL TERMINATIONS:

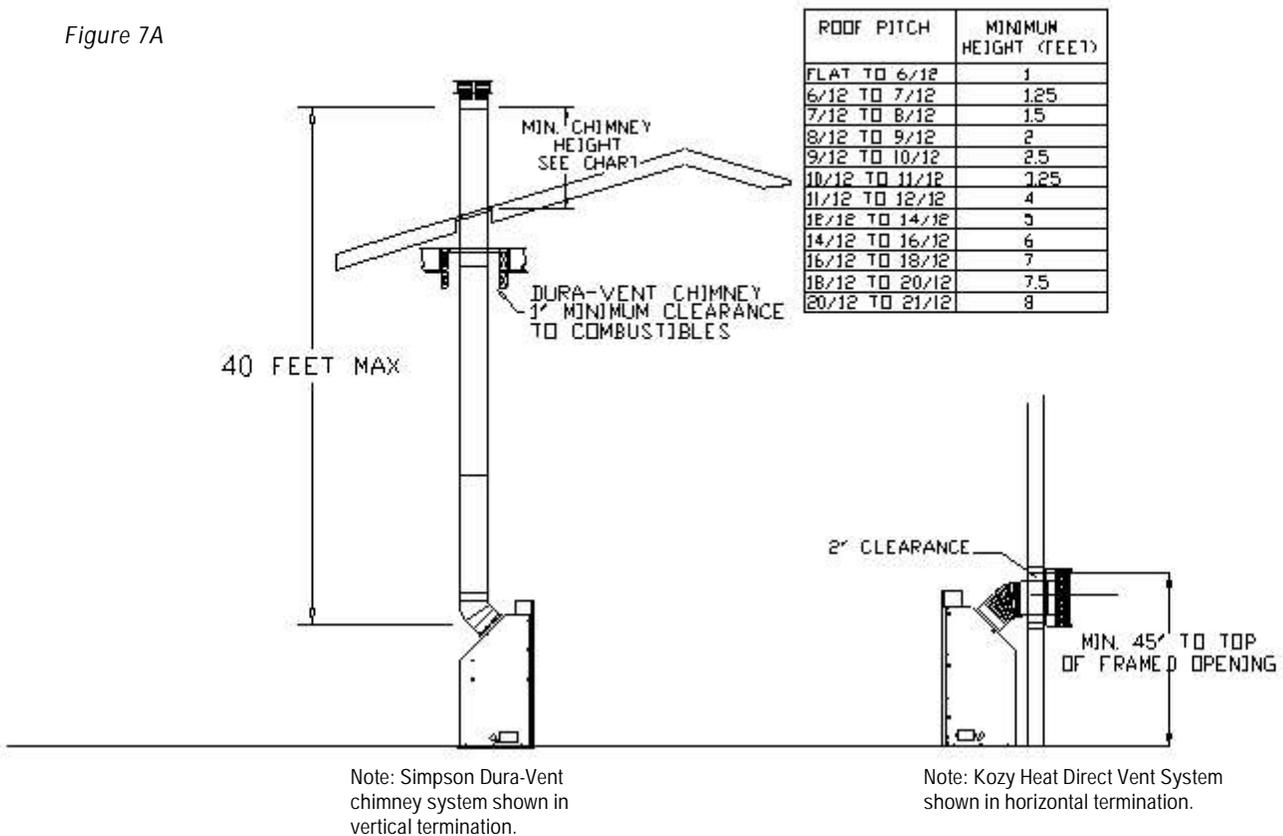
WHEN VERTICALLY TERMINATING THE MINIMUM CHIMNEY HEIGHT ABOVE THE ROOFLINE IS DETERMINED BY THE FOLLOWING CHART:

Roof Pitch	Minimum Height above roof line	Roof Pitch	Minimum Height above roof line
Flat to 6/12	1 ft.	11/12 to 12/12	4 ft.
6/12 to 7/12	1 ft. 3 in.	12/12 to 14/12	5 ft.
7/12 to 8/12	1 ft. 6 in.	14/12 to 16/12	6 ft.
8/12 to 9/12	2 ft.	16/12 to 18/12	7 ft.
9/12 to 10/12	2 ft. 6 in.	18/12 to 20/12	7 ft. 6 in.
10/12 to 11/12	3 ft. 3 in.	20/12 to 21/12	8 ft.

IMPORTANT: VERTICAL TERMINATIONS USING THE #800 SERIES FLEXIBLE CHIMNEY SYSTEMS REQUIRE A SUPPORTING CHASE TO BE BUILT AROUND THE CHIMNEY ABOVE THE ROOF LINE. A 2" CLEARANCE TO COMBUSTIBLE MATERIALS MUST BE MAINTAINED AROUND THE PIPE.

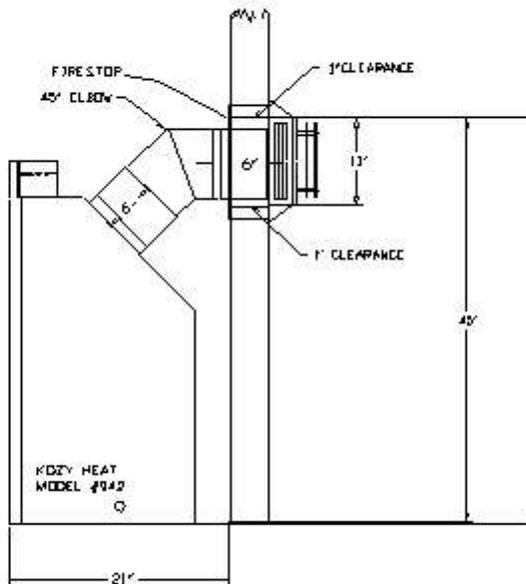
EXAMPLE OF TYPICAL HORIZONTAL & VERTICAL TERMINATIONS

Figure 7A



TYPICAL HORIZONTAL TERMINATION

Figure 7B



*SIMPSON DURA-VENT DV-GS VENT SYSTEM:

*AMERI-VENT DIRECT VENT SYSTEM:

Follow the installation instructions included with the vent system along with the following requirements:

- Vent runs must be in compliance as outlined on pages #6 - #9 of this installation manual. Straight vertical runs of 15 - 40 ft. require a restrictor plate.

- A 45 degree elbow may be used directly at the stove connection to vertically position the chimney.

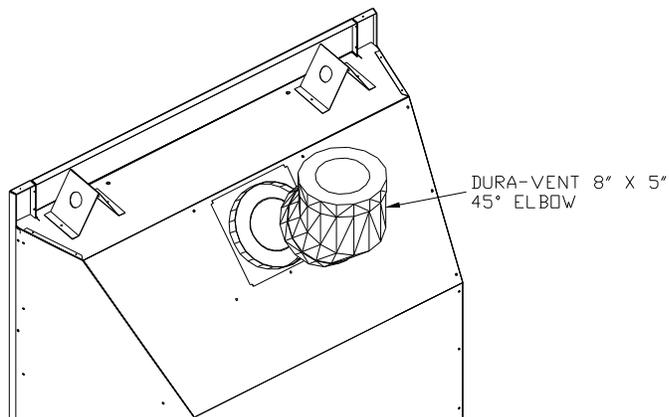


Figure 8

Secure the elbow or 6" section of chimney to the 8" collar with four screws (not provided).

NOTE: The 5" pipe on the elbow or 6" section fits INSIDE the 5" collar on the fireplace. The 8" pipe on the elbow or 6" section fits OUTSIDE the 8" collar on the fireplace.

INSTALLATION OF #800 SERIES DIRECT VENT TERMINATION KIT(S)

IMPORTANT:

The flex pipe is permanently attached to the exterior plate. DO NOT ATTACH the #844 or #845 termination kit to the fireplace (or extension kit) until it has passed through the wall or roof. The termination plates should all be installed on the exterior of the outside wall or top of supporting chase on the roof.

HORIZONTAL TERMINATIONS

IF TERMINATING AGAINST VINYL SIDING, A VINYL SIDING PROTECTOR, INCLUDED WITH THE #844 and #845 DIRECT VENT KITS, MUST BE USED. FOLLOW INSTRUCTIONS INCLUDED.

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

1. If your chimney termination is 8' or less from the fireplace top and doesn't require an extension kit, proceed to step #7.
2. If your chimney termination will require one or more extension kits (part #846), proceed with the following steps. Each #846 extension kit contains enough 5" and 8" flexible aluminum to extend the chimney an additional 6'.
3. Gently stretch the 5" & 8" flexible aluminum pipes on the termination kit (#844 or #845) and on each extension kit, if used, the length required so when all the sections are connected together the chimney height for your installation is attained.

IMPORTANT: DO NOT STRETCH THE EXTENSION KIT BEYOND 6'. DO NOT STRETCH BEYOND WHAT IS REQUIRED - IT IS VERY DIFFICULT TO RECOMPRESS THE FLEX PIPES ONCE STRETCHED.

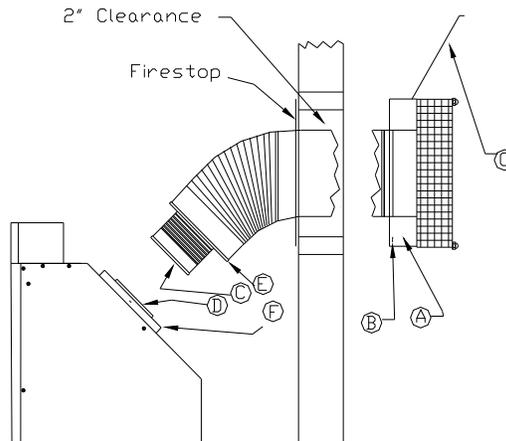
4. Using your extension kit pieces, place a bead of sealant outside the 5" flex pipe collar (C) - the end with the EXTERNAL lip - and slide it inside the 5" pipe on top of the fireplace (D). Secure with 3 additional evenly spaced screws.

NOTE: This connection is very difficult to remove without damaging the collars once installed.

5. Place a bead of sealant inside the 8" flex pipe collar (E) - the end with the internal lip - and slide it over the 8" pipe on top of the fireplace (F). Secure with 3 additional evenly spaced screws.

Note: The minimum vertical rise is 43" from the connection on the fireplace to the top of the pipe.

Figure 9



6. If additional extension kits are being used, repeat steps #4 and #5, placing the 5" & 8" pipes onto the previous extension kit.

Referring to Figure 9, page #11:

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 12 1/2" square opening, on the exterior of the house. The termination plates then fit between these brackets, and using the screws provided, screw the brackets to the termination kit box (A). Attach the vinyl siding protector (G).

7. Apply a liberal bead of exterior sealant around the outer edge of the plate (A), and place the assembly through the 12 1/2" square opening in the exterior wall. Place screws through the four slots (B), securing it in place.
8. Gently pull the 5" & 8" flexible aluminum down to the top of the extension kit, or the top of the fireplace if no extension kits were used.
9. Place a bead of sealant outside the 5" flex pipe collar (C) and slide it into the 5" pipe on the extension kit or top of the fireplace (D). Secure with 3 additional evenly spaced screws.

NOTE: This connection is very difficult to remove without damaging the collars once installed.

10. Place a bead of sealant inside the 8" flex pipe collar (E) and slide it over the 8" pipe on the extension kit or top of the fireplace (F). Secure with 3 additional evenly spaced screws.
11. OPTIONAL: Place insulation between the 8" pipe and the wall studs.

VERTICAL TERMINATIONS:

Prepare the chimney:

1. Gently stretch the 5" & 8" flexible aluminum pipes on the termination kit (#844 or #845) and on each extension kit, if used, the length required so when all the sections are connected together, the chimney height for your installation is attained.

IMPORTANT:
DO NOT STRETCH THE EXTENSION KIT BEYOND 6'. DO NOT STRETCH BEYOND WHAT IS REQUIRED - IT IS VERY DIFFICULT TO RECOMPRESS THE FLEX PIPES ONCE STRETCHED.

2. If your chimney is 8' or less from the fireplace top and doesn't require an extension kit, proceed to the 'Connect the chimney to the stove' section.
3. If your chimney termination will require one or more extension kits (#846), proceed with the following steps. Each #846 extension kit contains enough 5" & 8" flexible aluminum pipe to extend the chimney an additional 6'.

Connect the chimney sections:

1. Place a bead of sealant outside the 5" flex pipe collar on the termination kit (#844 or #845) and slide inside the 5" collar - the end with the internal notches - on the extension kit. Secure with 3 additional evenly spaced screws.
2. Place a bead of sealant inside the 8" flex pipe collar on the termination kit (#844 or #845) and slide it over the 8" collar - the end with the external notches - on the extension kit. Secure with 3 additional evenly spaced screws.
3. If additional extension kits are being used, connect the 5" & 8" flex pipes on each extension kit together in the same manner as described in steps #1 & #2.

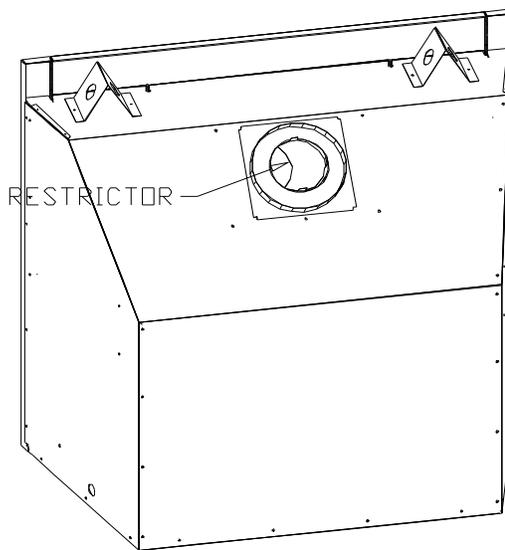
Connect the chimney to the fireplace:

A firestop should be secured to the 12 1/2" x 12 1/2" framed opening whenever passing the chimney through a ceiling or roof.

NOTE: The framing and supporting chase for the termination kit should be at least partially complete.

1. Place a weighted rope around the end of the 5" & 8" flex pipes and carefully guide them down the chase to the top of the fireplace.
2. Apply a liberal bead of sealant around the outer edge of the plate (A) and place on top of the chase. Secure using the screws provided.
3. The restrictor plate (included) must be placed inside the 5" flue collar on the top of the fireplace before connection of the chimney to fireplace is made. This is required for vent runs of 15' - 40'.
 - a. Bend the (3) tabs on the restrictor plate required for your installation far enough so that it will securely fit inside the groove on the 5" collar on the fireplace. (Note: The tabs should be in the 'up' position.) Refer to Figure 10.
4. Connect the flex pipes to the fireplace as follows: Place a bead of sealant outside of the 5" flex pipe collar (end should have external lip) and slide it inside the 5" pipe on the fireplace. Secure with 3 additional evenly spaced screws.
5. Place a bead of sealant inside the 8" flex pipe collar (end should have an internal lip) and slide it over the 8" pipe on the fireplace. Secure with 3 additional evenly spaced screws.
6. OPTIONAL: Place insulation around the 8" pipe.

Figure 10



D) FAN INSTALLATION (OPTIONAL)

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

IMPORTANT: IF THE FAN IS INSTALLED AFTER THE FIREPLACE INSTALLATION, THE LOWER GRILL MUST BE REMOVED TO PROPERLY INSTALL.

NOTE: If a fan is going to be installed, the wiring must be done prior to enclosing the sides of the fireplace. An electrical box & romex connector are pre-installed on a removable panel on the left side of the fireplace. A receptacle / speed control assembly and wire nuts are included in the fireplace components packet.

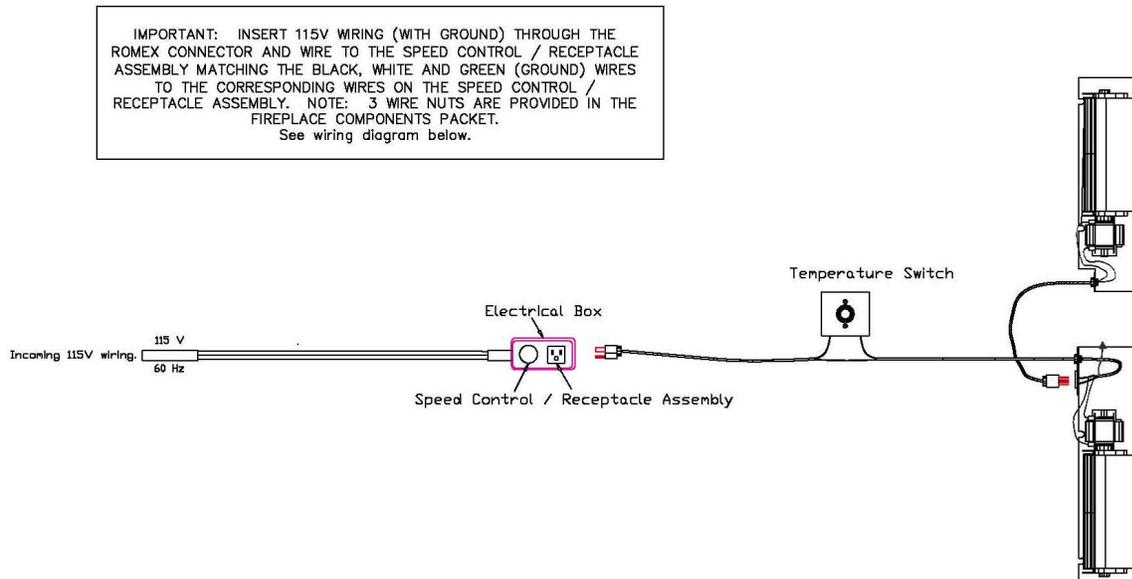
Your optional fan kit includes:

1. Right and left fan assemblies with temperature control switch already mounted.
2. Components package: (4) nuts, installation instructions.

NOTE: To wall-mount the speed control, you will need to purchase a speed control assembly and mounting plate, an electrical box to mount the speed control and a cover / switch plate with screws.

IMPORTANT: CODE APPROVED LINE VOLTAGE WIRING 14 GAUGE OR BETTER MUST BE USED WHEN WIRING THIS SYSTEM. REFER TO YOUR LOCAL ELECTRICAL CODES FOR SPECIFIC REQUIREMENTS IN YOUR AREA.

WARNING: This appliance is equipped with a three-prong (grounding) plug for protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.



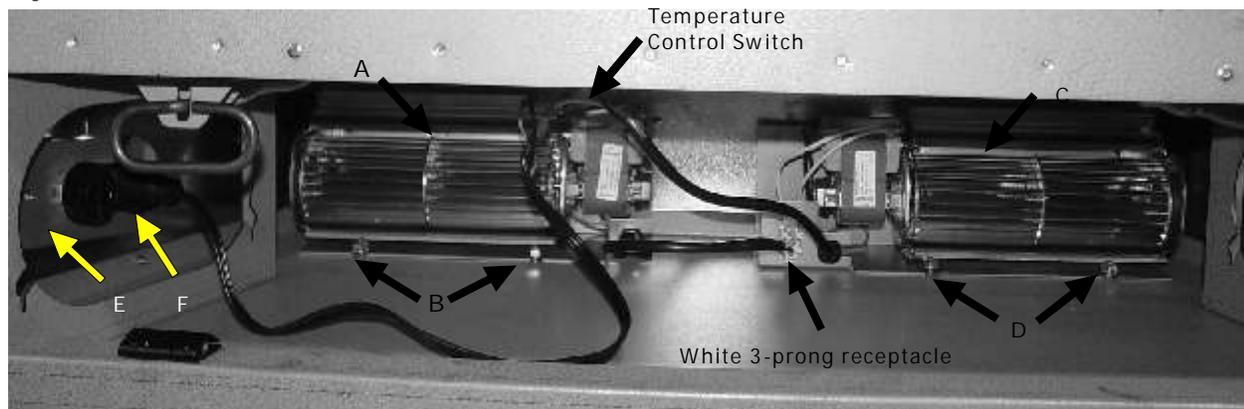
INSTALLATION INSTRUCTIONS. Refer to Figure 11.

1. Remove the lower grill, if installed.
2. OPTIONAL: For easier installation, the fans may be separated by unplugging the three-prong plug from the receptacle in the right fan assembly.
3. Slide the right fan (with receptacle) (A) through the lower grill opening and place over the (2) right side mounting studs (B) located towards the back of the fireplace.
4. Slide the right fan assembly through the lower grill opening and place over the (2) left mounting studs (B) located towards the back of the fireplace.
5. Place nuts on mounting studs and tighten.
6. Remove the (2) screws securing the removable access panel (with electrical box & romex connector installed) from the side of the fireplace.
7. Insert 115V wiring (with ground) through the romex connector installed in the electrical box in the side of the fireplace and wire to the speed control / receptacle assembly matching the black (hot), white (neutral) and green (ground) wires to the corresponding wires on the speed control / receptacle assembly. NOTE: (3) wire nuts are included in the fireplace components packet.
8. Secure the speed control / receptacle assembly (E) into the electrical box with the (2) screws provided.
9. Re-install the electrical access panel and secure with the (2) screws previously removed.
10. Place the temperature control switch on the bottom of the firebox.
11. Plug the fan cord (F) into the receptacle in the electrical box.
12. Turn on/off speed control counter-clockwise until it 'clicks'. This is the 'OFF' position.
13. Turn the speed control 'ON' by turning the knob clockwise past the 'click' - this is the highest setting.
14. Re-install the lower grill, if removed in step #1 above.

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

TEMPERATURE CONTROL SWITCH POSITION: Prior to adjusting the temperature control switch, unplug the 3-prong plug on the fan cord from the receptacle. Adjust the position of the temperature control switch to a warmer location under the firebox to turn the fan 'ON' sooner or move it to a cooler location under the firebox to turn the fan 'ON' later. The fan will turn on when the sensor in the temperature control switch reaches 110° F and will turn 'OFF' when the sensors reach 90° F. After adjustment, plug the 3-prong plug on the fan cord into the receptacle.

Figure 11



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.

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.

This fireplace is equipped with a 3/8" flexible gas line connection 18" long.

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

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

1. Run the gas line. An accessible shut off valve (included in the fireplace components packet) must be installed up stream from the regulator.

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

2. This fireplace 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. A gas line access hole is positioned on either side of the fireplace 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: This appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi.

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

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

NATURAL GAS ONLY:

The minimum inlet gas supply pressure: 5.0 inches W.C.

The maximum inlet gas supply pressure: 10.5 inches W.C.

Manifold Pressure: 3.5 inches W.C.

Manifold Pressure: (low setting) 1.7 inches W.C.

Orifice size (0-2000 ft): 30

Input rating: 39,000 BTU/HR

LP GAS ONLY:

The minimum inlet gas supply pressure: 11.0 inches W.C.

The maximum inlet gas supply pressure: 13.0 inches W.C.

Manifold Pressure: 10.0 inches W.C.

Manifold Pressure: (low setting) 6.3 inches W.C.

Orifice size (0-2000 ft): 49

Input rating: 35,500 BTU/HR

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

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

NOTE: This fireplace is equipped with the millivolt board and burner cover assembly already installed. Please ensure that all of the nuts are tightened, securing the board to the firebox bottom and the burner cover assembly is secured to the millivolt board. Follow these procedures should the millivolt board need replacing or is removed for service and/or maintenance or fan installation.

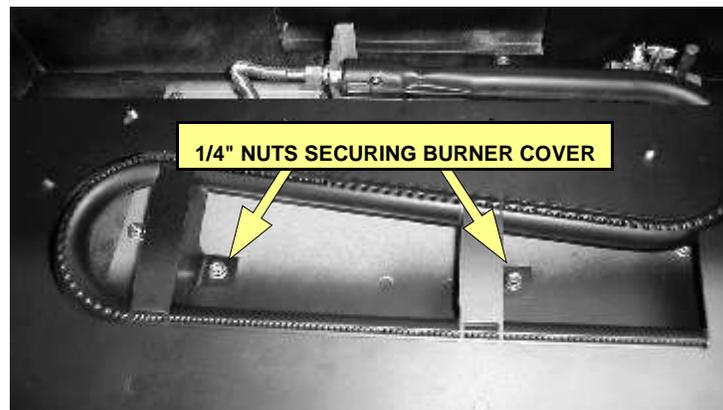
MILLIVOLT BOARD REMOVAL:

CAUTION: If the burner and/or pilot has been burning, the logs will be warm and will continue to hold heat. Place them on a protected surface upon removal to avoid damage to floor or personal property.

1. Turn the black control knob to the 'OFF' position.
2. Shut off the gas supply at the manual shut off valve.
3. Disconnect the flexible gas line from the manual shut off valve.
4. Disconnect any remote control, wall switch or thermostat wires from the top and bottom terminals on the gas valve.
5. Remove the upper grill and glass assembly and set aside. Refer to the instructions in this manual if necessary.
6. Remove the logs from the board and set on a properly protected surface where they will not be broken.
7. Loosen and remove the (2) nuts securing the burner cover assembly to the millivolt board as shown in Figure 12A. Lift the front of the plate up and slide it to the right, off the burner orifice and remove from the firebox.

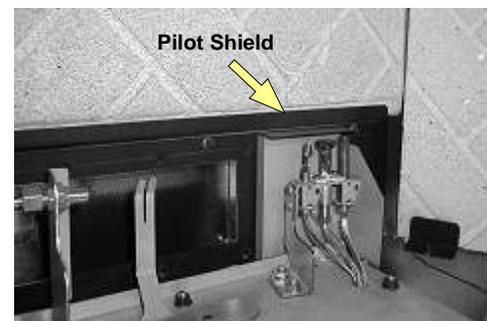
NOTE: Release the venturi collar from the bracket while removing the burner cover. Keep venturi collar on the burner tube (shown in Figures 12D and 12E).

Figure 12A



8. Remove the pilot shield and set aside. Figure 12B.
9. Loosen and remove the (8) 1/4" nuts securing the millivolt board (Figure 12C).
10. Carefully lift the board up off the (8) mounting studs and remove from the fireplace.

Figure 12B



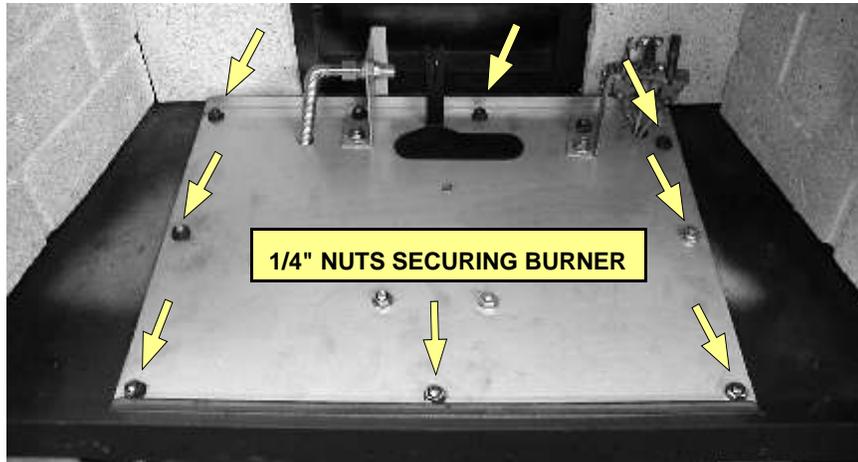


Figure 12C

INSTALLING THE MILLIVOLT BOARD:

NOTE: The millivolt board is fitted with a gasket to seal the 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 inside the firebox, lining up the eight 1/4" holes in the board to the mounting studs on the firebox bottom. (Figure 12C)

CAUTION: BEFORE SECURING THE BOARD INTO PLACE, MAKE CERTAIN 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. Re-install the burner cover assembly, properly seating the burner tube over the orifice and aligning the mounting holes in the burner brackets to the corresponding mounting studs on the bottom of the millivolt board.
4. Check that the burner tube is properly seated over the burner orifice. (Figure 12D)
5. Secure the burner cover with the remaining (2) nuts previously removed. (Figure 12A)
6. To position the adjustable venturi collar into its mounting bracket, gently push the bracket back far enough to slip the flange on the collar into the slot on the bracket. (Figure 12E)
7. Install pilot shield. (Figure 12B)
7. Reconnect the flexible gas line to the manual shut off valve.
8. Reconnect any remote control, wall switch or thermostat wires to the top & bottom terminals on the valve.
9. Re-install the logs and embers as described on page #20.
10. Light the pilot and burner to ensure proper ignition and operation.
11. Re-install the glass assembly and upper grill. Close the lower grill.



Figure 12D

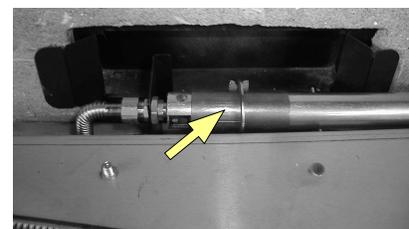


Figure 12E

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

G) LOG INSTALLATION. See Figures 13A - 13C.

This #942-50E Log Set includes: (1) BC1-Log (1) AP2-Log (1) BB1-Log (1) Klinker pkg.
 (1) AY1-Log (1) AR1-Log (1) BD1-Log
 (1) AZ1-Log (1) JA1-Log (1) Rock wool embers pkg.

1. Position the 'JA1' log onto the center of the burner cover, aligning the notches in the bottom of the log to the brackets in the burner cover. Figure 13A.
2. Position base logs 'BC1', 'BB1', 'AY1', and 'AZ1' onto the burner cover aligning the mounting holes in the bottom of the logs to the mounting pins on the burner cover as shown in Figure 13A.

NOTE: The 'BB1' log sits on the plate attached to the burner cover.

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

3. Place klinkers on the burner cover between the 'AY1' & 'AZ1' logs. See Figure 13A.

Place rock wool embers as desired onto the logs and burner tube to create additional glow. Do not plug burner port holes or use excessively.

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

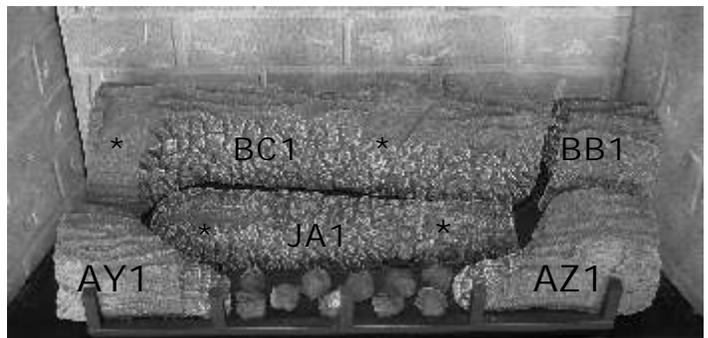


FIGURE 13A

4. Position top logs 'AP2', 'AR1', and 'BD1' onto the previously positioned logs aligning the logs to the corresponding notched-out sections, indicated by a '*' in the base logs (Figure 13A) as shown in Figure 13B.
5. Place additional klinkers as desired on the left & right open areas in the firebox after the logs have been properly positioned.

CAUTION: DO NOT PLACE KLINKERS ON THE BURNER.

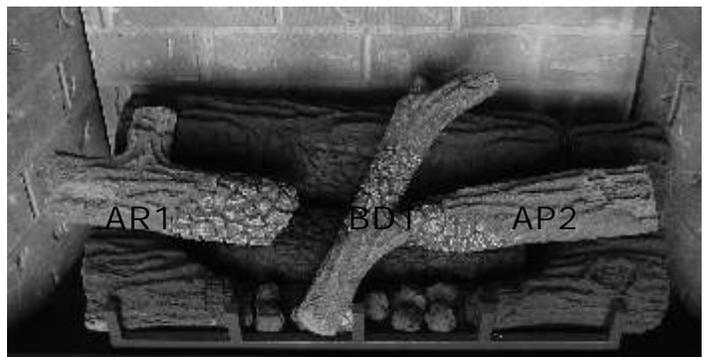


FIGURE 13B

INITIAL BURN PERIOD

During the initial burn period, the logs and refractory panels will discolor. This is normal and part of the curing process. Once the curing process is complete (approximately 2-4 hrs), the true color will return.

DO NOT BURN THIS FIREPLACE WITHOUT THE GLASS ASSEMBLY IN PLACE.

MAKE SURE THE HOMEOWNER IS AWARE OF THIS!



Completed Log set - Figure 13C

H) THERMOSTAT - WALL SWITCH - REMOTE INSTALLATION (OPTIONAL).

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

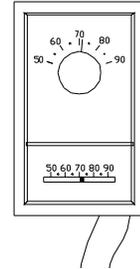
NOTE: INSTALLATION OF A THERMOSTAT OR WALL SWITCH SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER.

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

NOTE: OPEN THE VALVE COVER TO EXPOSE THE GAS VALVE AND WIRE CONNECTIONS ON THE VALVE TERMINALS.

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

*Thermostat Wiring Diagram
Figure 14A*



Follow instructions included with the remote control.

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

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

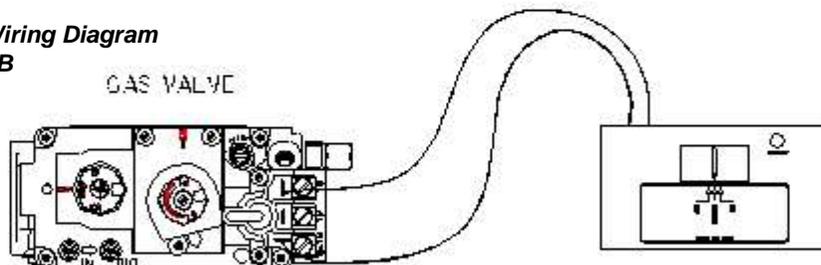
Attach the appropriate connector to each wall switch / thermostat wire and connect to the top and bottom terminals on the gas valve marked 'TH'.

The ON/OFF rocker switch on the millivolt board must be in the 'OFF' position for proper operation of any of these components.

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

NOTE: The fireplace must be turned 'ON' and 'OFF' by the same method. For example: If the fireplace is turned 'ON' by the remote control, it must be turned 'OFF' by the remote control.

*Remote Control Wiring Diagram
Figure 14B*



I) COMPLETE THE INSTALLATION

1. SECURE THE FIREPLACE:

Nailing flanges are attached to the sides of the fireplace.

- A. Loosen, but do not remove the screws securing the nailing flanges at the sides of the fireplace and remove the nailing flanges.
- B. Locate the keyhole slots on the nailing flange & place the nailing flange over the screws.
- C. Slide the nailing flange forward to the desired position & tighten screws.
- C. The nailing flanges can now be bent parallel with the face.
- D. Fasten to framing through the holes in the nailing flange.

NOTE: Two set of holes have been provided to accommodate various depths.

2. Complete the fireplace walls and 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 pages #24-#25. This should be done prior to re-installing the glass so that any necessary adjustments can be made and proper operation verified.

3. Re-install the glass assembly. Figure 15.

- 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 pulling the spring-loaded latch rods out, then up and releasing them onto the brackets securing the glass assembly (located under the firebox).

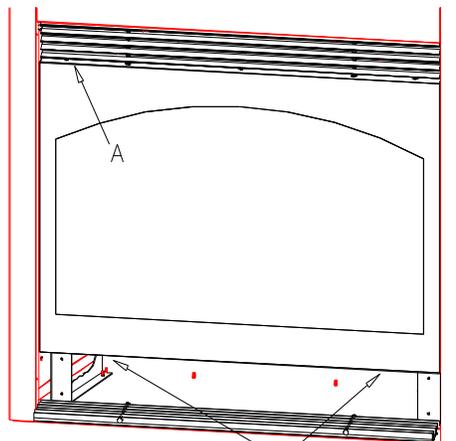


Figure 15 LATCH HANDLES

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. Install the upper grill. Refer to Figure 15.

- 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 valance.
- C) Place the bottom of the rod into the lower holes and release. The grill will set down into place.

5. Install the lower grill. Refer to Figure 16.

- A) Place one of the bolts through the hinge in the lower grill opening (A) & attach the 1/4" nut (B).
- B) Repeat for remaining hinge.
- C) Tighten both 1/4" nuts.

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

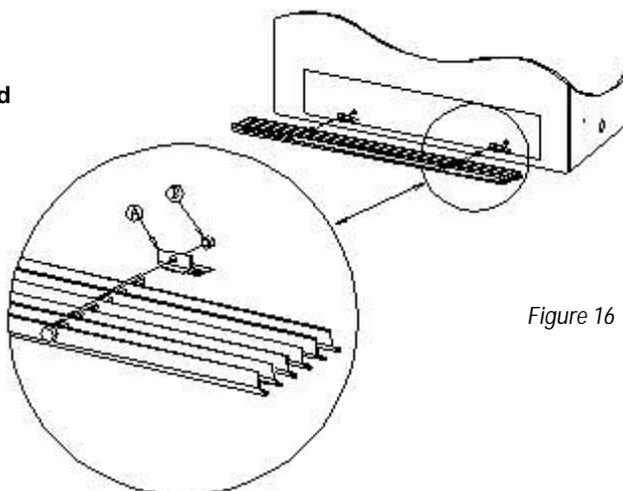


Figure 16

J) DAMPER CONTROL OPERATION

This fireplace has been design-certified to be operated with the damper in the fully opened or completely closed positions, depending on the heat output desired.

To reduce the amount the heat entering the room, open the damper control handle. This allows more of the heat generated to exit through the flue rather than into the home through the upper grill.

If more heat is desired in the home, close damper control handle.

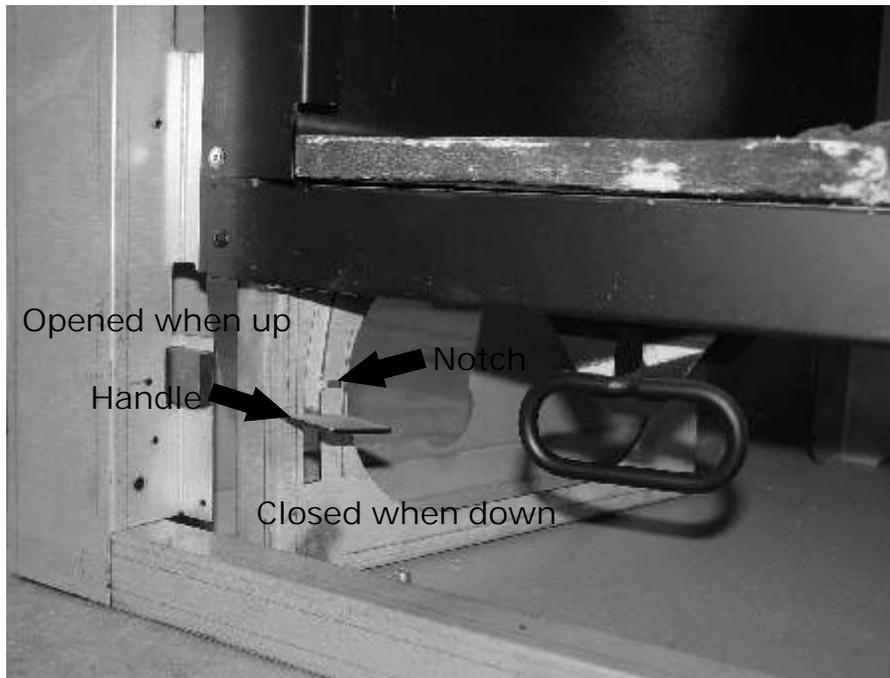


Figure 17

OPERATION:

To open the damper: Lift the handle up to the notch and push back slightly into the notch to lock in the 'open' position.

To close the damper: Pull the handle out of the notch and push down to the bottom of the slot.

K) LIGHTING AND SHUTDOWN PROCEDURES

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

IMPORTANT: TEST ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE.

NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 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.

FOR YOUR SAFETY - READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

1. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.
2. BEFORE LIGHTING, smell all around the appliance for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
3. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in, or turn by hand, don't try to repair it, call a qualified service technician. Forced or attempted repair may result in a fire or explosion, and loss of warranty.
4. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

DUE TO HIGH SURFACE TEMPERATURES, KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

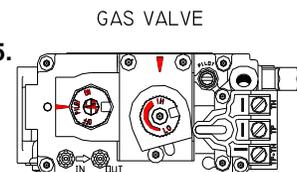
This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

WHAT TO DO IF YOU SMELL GAS:

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

NOTE: Read 1-8 before lighting the fireplace for the first time. Refer to Figure 18, page #25.

1. Set the thermostat to the lowest setting, if installed.
2. Turn off all electric power to the appliance (Fan).
3. Open the lower grill by grasping the center of the top louver, and pull out and down.
4. Open the valve cover to access the gas valve & controls.
5. Push in control knob (A) slightly and turn clockwise  to "OFF".



S.I.T. Gas Valve

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

6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow the safety information listed above. If you don't smell gas, go to the next step.
7. Find the pilot - follow metal tube from gas control. The pilot is behind the burner tube inside the combustion chamber.
8. Turn the control knob (A) on gas valve counterclockwise to "PILOT".
9. Push in the control knob all the way and hold in. Press the piezo igniter button (B).

S.I.T. Pilot

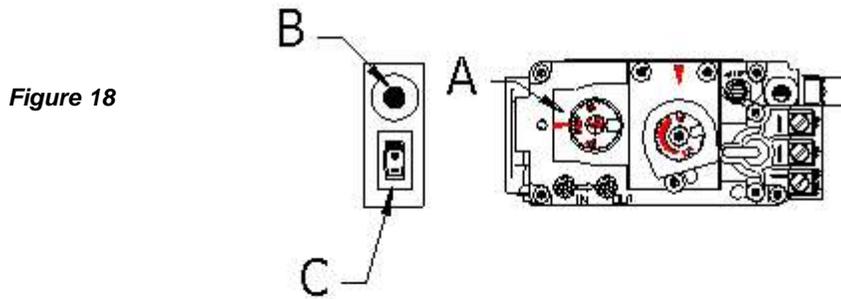
The pilot will generally light with two or three pushes on the igniter. Hold the knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back out. Pilot should remain lit. If it goes out, repeat steps 5 through 9.

- 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.

10. Turn gas control knob counterclockwise  to "ON".

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

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



TO TURN THE BURNER OFF:

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

NOTE: The pilot will stay lit.

TO TURN THE PILOT OFF:

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

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

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

INITIAL BURN PERIOD

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

MAKE SURE THE HOMEOWNER IS AWARE OF THIS

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

Clothing or other flammable material should not be placed on or near the appliance.

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

PRESSURE TEST - 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 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 [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 pressing the rocker switch [C] to the 'ON' position and note manometer reading.
6. Press 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. Press the rocker switch [C] to the 'ON' position and check the pressure to ensure that it stays near the maximum inlet pressure.
6. Press 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.

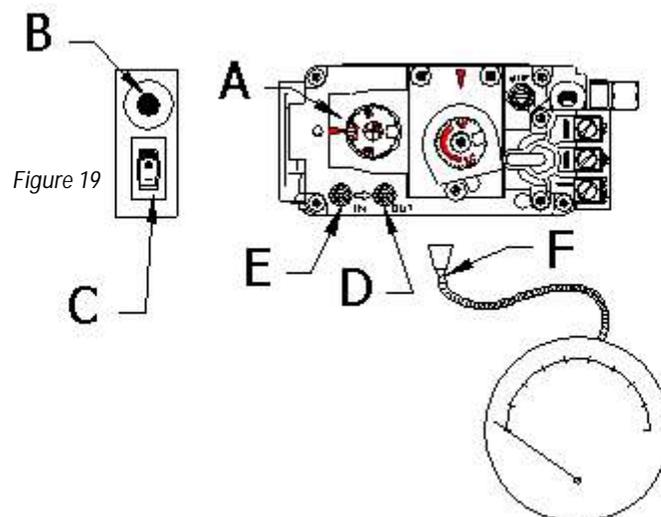


Figure 19

L) 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 from the front of the fireplace.
2. For easier access, remove the logs.
3. Cover or remove the millivolt board.
4. Open the damper by-pass.
5. Examine proper sealing of the vent system.
6. Close damper by-pass.
7. Re-install the logs, glass and upper grill.

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

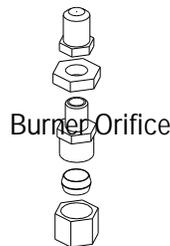
CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

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 to the millivolt board.
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. The flames should be steady, not lifting or floating.



S.I.T. Pilot



Burner Orifice

GLASS CLEANING & REPLACEMENT

- Clean glass only when cool and only with non-abrasive cleansers.
- *Do not* operate this fireplace with the glass/frame assembly removed, cracked or broken.
- Replacement of the glass & gasket assembly, must only be performed by a licensed or qualified service person. **DO NOT SUBSTITUTE MATERIALS.**
- *Do not* strike or slam glass assembly shut.

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

M) TROUBLE SHOOTING GUIDE

NOTE: The millivolt board includes the following items: Valve, pilot assembly, piezo, electrode, on/off rocker switch, burner tube, & burner orifice. 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 FIREPLACE IF YOU ARE NOT A QUALIFIED INSTALLER OR REPAIRMAN.

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

<u>PROBLEM</u>	<u>CAUSE</u>	<u>SOLUTION</u>
1. No spark when piezo button is depressed.	Piezo wire connection at valve is loose or off.	Push wire back into place.
	Wire from piezo to electrode is loose at electrode.	Reconnect wire.
	Electrode moved out of position.	Realign electrode with 1/8" space between it & the pilot.
2. Pilot won't light.	Gas shut 'OFF'.	Turn Gas 'ON'.
	Gas line not purged.	Hold black control knob in long enough to purge line.
	Not holding black control knob in long enough.	Hold in longer.
	No spark at piezo.	See problem #1.
3. Pilot won't stay lit.	Not holding black control knob in long enough.	Hold button in longer to heat thermocouple.
	Thermocouple connection loose at valve connection.	Check connection on valve and tighten if necessary.
	Pilot hood misdirecting pilot flame from thermocouple.	Check pilot flame location. Flame must be burning on generator and thermocouple.
	Refractory panels not positioned against firebox back & sides.	Secure refractory panels with high-temp sealant, especially around the intake duct.

PROBLEM

CAUSE

SOLUTION

4. Burner won't light.

Pilot not lit.

Relight pilot.

Regulator valve not turned "ON".

Turn valve to "ON".

Rocker switch not turned "ON".

Press bottom of switch.

Rocker switch wires not connected.

Check wiring diagram below to ensure that all wires are secure.

Generator wires loose at regulator terminals.

Reposition wires and tighten screws. See diagram below for wiring instructions.

Generator wire grounded out due to pinching of wires.

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

Generator is not producing enough millivolts to operate burner.

Replace generator.

Wall switch, remote control or thermostat not connected properly or turned to wrong setting. See Figures 14A & 14B, page #21.

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

5. Burner won't stay lit.

Generator wires loose on valve terminals.

Reposition wires and tighten screws. See diagram below.

Generator wire grounded out due to pinched wires.

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

Generator is not producing enough millivolts to sustain burner operation.

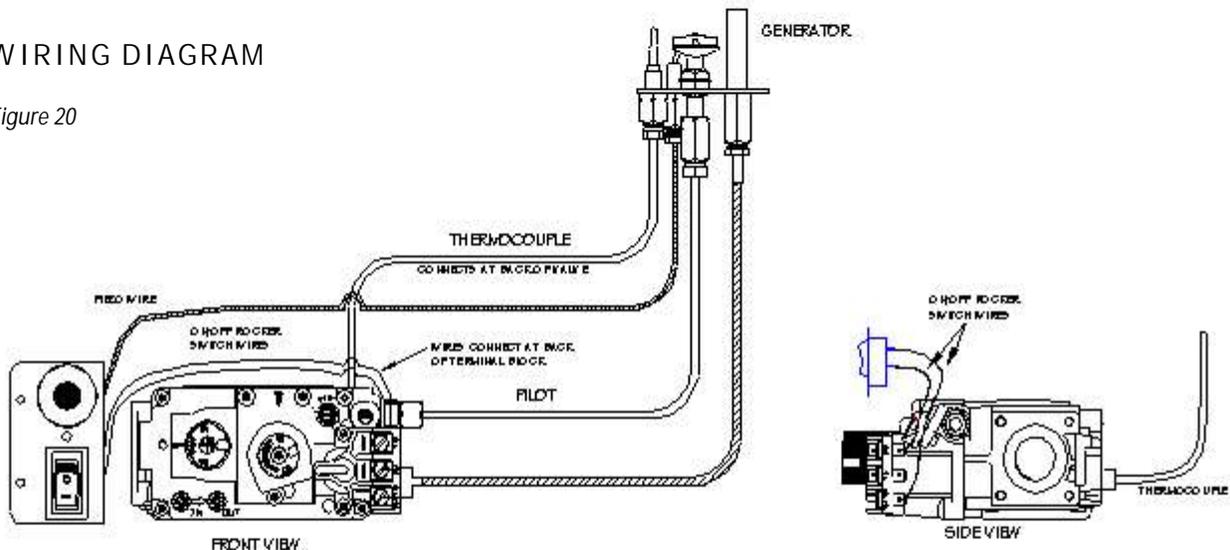
Check millivolt reading, replace generator if necessary.

Refractory panels not positioned against firebox.

Secure refractory panels with high-temp sealant, especially around the intake duct.

WIRING DIAGRAM

Figure 20



REPLACEMENT PARTS

IMPORTANT: THESE REPLACEMENT PARTS ARE ONLY FOR THIS FIREPLACE MODEL AS MANUFACTURED. PREVIOUS MODELS MAY USE DIFFERENT COMPONENTS. DO NOT SUBSTITUTE COMPONENTS. CONTACT YOUR LOCAL DEALER.

MILLIVOLT BOARD AND PARTS

942-E770	#942 Millivolt Board - Natural Gas		
942-E771	#942 Millivolt Board - LP Gas	700-098	Pilot Hood
700-023	On/Off Rocker Switch	700-099	Piezo Ignitor with nut (no wire)
700-086A	S.I.T. Valve - Natural Gas	700-203	Manual Shut off Valve
700-087A	S.I.T. Valve - LP Gas	700-213	18" Flexible Gas Line
700-088	Pilot/Generator/Thermocouple - Natural Gas	700-224	Flexible Gas Line - Valve to Burner connection
700-089	Pilot/Generator/Thermocouple - LP Gas	700-230	Natural Gas orifice - #30
700-090	Piezo Ignitor w/ wire	700-249	LP Gas orifice - #49
700-091	Flexible Pilot Tubing (Valve to Pilot)		
700-092	Millivolt Generator	OCK-S30A	Natural Gas Conversion Kit
700-093	Thermocouple	OCK-S49A	LP Gas Conversion Kit
700-094	Pilot Orifice - Natural Gas		
700-095	Pilot Orifice - LP Gas	936-035	Burner Tube
		942-E35	Burner Cover with brackets

GLASS & GLASS PARTS

70001T	Replacement Glass Assembly - includes 21" x 35" glass & gasket
900006	Tadpole glass gasket
942005	Replacement Valance - only

MISCELLANEOUS

94258A	Restrictor (15' - 40' vertical terminations)
300624	12 oz. Aerosal touch-up paint - Satin Black

LOGS / REFRACTORY

94250E	8 pc. Log set
BB1-Log	
BC1-Log	
BD1-Log	
AP2-Log	
AR1-Log	
AY1-Log	
AZ1-Log	
JA1-Log	
900-REMB	Rock wool embers
900-KLK	Klinkers
942900A	3 pc. Refractory Brick Panels- Back & sides
942902	Top Refractory Brick Panel
942900B	Back Refractory Panel
942900S	Side Refractory Panel (1 pc.)

PATENTS: #5.931.154, #5.967.139, #6.004.493

Model #942 DV - US INSTALLATIONS ONLY

MANUFACTURED BY:
Hussong Manufacturing Company, Inc.
204 Industrial Park Drive
Lakefield, MN 56150

Revised: June 2007

www.kozyheat.com

**KOZY HEAT
LIMITED 10 YEAR WARRANTY**

Effective July 01, 2003

This Limited 10 Year Warranty will not become effective until the warranty registration form has been completed and mailed to Hussong Manufacturing Co., Inc., P.O. Box 577, Lakefield, MN 56150. This registration form must be received within 30 days of installation. Failure to do so may result in delayed warranty coverage and submission of proof of purchase will be required.

Hussong Manufacturing Co., Inc. warranties to the original purchaser of this Kozy Heat Fireplace, that it is free of defects in materials and workmanship at the time of manufacture.

Subject to the following conditions & requirements, Hussong Manufacturing Co., Inc. extends the following limited warranty under normal use and service, with respect to the Kozy Heat line of gas burning fireplaces.

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 broken, (including glass panels), during shipping, careless handling of components, or defects resulting from improper installation, misuse of the fireplace and components are not covered under this warranty.
6. This warranty does not cover any part of the fireplace or any components which have been exposed to or submerged under water.
7. Hussong Manufacturing Co., Inc. must be notified by the dealer the fireplace was purchased from or a qualified installer or service technician of the defect.
8. Annual service of the fireplace as required in the installation manual, is performed by a qualified installer/service technician. (Copies of such service records may be required to claim a warranty.)
9. All previous warranty/service has been performed by a qualified installer or service technician. (Copies of such service records may be required to claim a warranty.)



LIFETIME WARRANTY

THIS LIFETIME WARRANTY COVERAGE WILL BE EXTENDED AS DESCRIBED BELOW PROVIDED ALL WARRANTY CONDITIONS AND REQUIREMENTS ARE MET AS OUTLINED IN THE 10 YEAR LIMITED WARRANTY POLICY.

LIFETIME WARRANTY COVERAGE

LIFETIME WARRANTY IS EXTENDED AS FOLLOWS: Hussong Manufacturing warranties to the original purchaser that the firebox, heat exchanger, fiber logs, burner tube and glass of this Kozy Heat fireplace will not be defective in material or workmanship under normal use and service for as long as you own this product. If any of these components fail due to defects in material or workmanship under normal use and service, Hussong Manufacturing Co., Inc. will, at its sole discretion, repair or replace the defective component. This LIFETIME WARRANTY does not cover any installation, labor, transportation or other indirect costs arising from defective components.

LIMITATION OF LIABILITY

This Lifetime warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void. This lifetime warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished. This warranty is limited to defects in material and workmanship of components specified. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

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

Hussong Manufacturing Co., Inc. may fully discharge all obligations with respect to this Lifetime warranty by refunding the wholesale price of the defective component(s).

It is expressly agreed and understood that this Lifetime warranty is Hussong Manufacturing Co., Inc.'s sole obligation and original purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever other than those incurred by Hussong Manufacturing Co., Inc. to repair or replace the defective component. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties or 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

(CUT ALONG DOTTED LINE)

TO ACTIVATE THIS LIFETIME WARRANTY COVERAGE, THIS REGISTRATION CARD MUST BE COMPLETED AND MAILED WITH YOUR COMPLETED 10 YEAR LIMITED WARRANTY FORM WITHIN 30 DAYS OF INSTALLATION.

PURCHASER'S NAME: _____

INSTALLATION DATE: _____

ADDRESS: _____

MODEL#: _____ SERIAL #: _____

TELEPHONE # _____

INSTALLER NAME: _____

ADDRESS: _____

TELEPHONE # _____
