

**IMPORTANT:
THESE INSTRUCTIONS ARE TO
REMAIN WITH THE HOMEOWNER**

**PACIFIC
ENERGY**

fusion gas

**DIRECT VENT
FREESTANDING STOVE
Series A**



**INSTALLATION
and
OPERATING
INSTRUCTIONS**

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

- Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
 - Do not try to light any appliance
 - Do not touch any electrical switch; do not use any phone in your building
 - Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions
 - If you cannot reach your gas supplier, call the fire department
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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

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



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Caution

FOR YOUR SAFETY

Do not install or operate your Pacific Energy heater without first reading and understanding this manual. Any installation or operational deviation from the following instructions voids the Pacific Energy Warranty and may prove hazardous.

This appliance and its individual shutoff valve must be disconnected from gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig. (3.5 kpa).

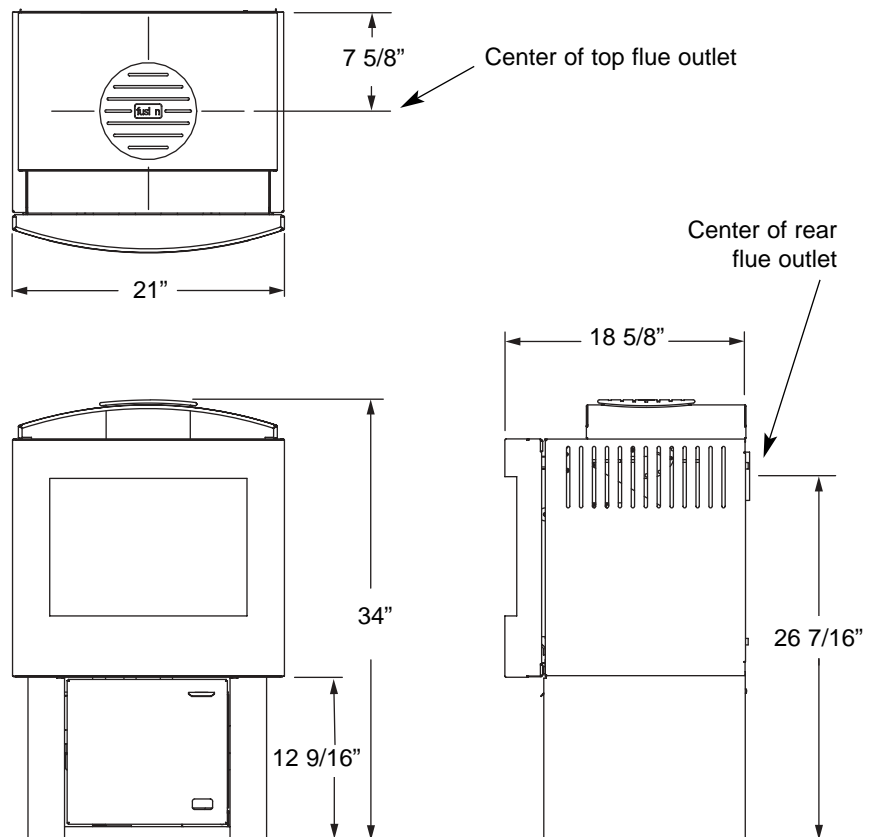
This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig. (3.5 kPa).

This appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

If the optional blower is installed, this appliance must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.

Fig. #1

Stove Dimensions



Important: When lit for the first time, the appliance will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. If optional fan kit has been installed, place fan in the "OFF" position. Smoke and fumes caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or cook stove oven.

Safety

- Due to high temperatures, this gas appliance should be located out of traffic and away from furniture and draperies.
- 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.
- Under no circumstances should this fireplace be modified. Any grill, panel or door removed for servicing the unit must be replaced prior to operating. Failure to do so may create a hazardous condition.
- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

It is Pacific Energy's policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition, which is the result, either directly or indirectly, of any improper operation or installation procedures.

Maintenance

Caution: Turn off gas and electrical power supply and allow ample time for unit to cool before servicing appliance. It is recommended that this appliance and venting should be inspected at least once a year by a qualified service person. Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system or gas control, which has been under water.

Door Glass

Warning: Do not operate appliance with glass panel removed, cracked or broken. Replacement of glass should be done by a licensed or qualified service person.

Do not strike or otherwise impact the glass in anyway that may cause it to break. If the glass becomes cracked or broken, it must be replaced before using the fireplace. Replacement glass can be obtained from your nearest Pacific Energy dealer. Use ceramic glass only. Do not substitute with any other type. The size required is 12 3/16" x 17 1/4" x 5 mm.

To remove broken glass, see page 11 for window removal instructions. Remove all particles of glass. Be careful, as they are very sharp. Install new glass complete with gasket and frame.

Annual Inspection:

- a) Clean air passageways of excessive lint and dust buildup from

carpeting, bedding material, etc. The flow of ventilation air must not be obstructed.

- b) Inspect logs and burner assembly for lint and soot build-up. If excessive build-up of soot is present, have a qualified service person inspect and adjust unit for proper combustion. Clean logs and burner with a vacuum cleaner, paying close attention to the ports on the burner.
- c) Check the pilot system for proper flame size and operation. Clean pilot free of lint and dust.

(See Fig. #2)

- d) Check that the vent pipe and vent terminal are open and free from blockage or debris. If the venting system is disassembled for cleaning, it must be properly assembled and re-sealed, as per vent manufacturers instructions.
- e) Check door and glass panel gasket, replace if necessary. It is important that the glass and door seal be maintained in good condition.

Note: The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.

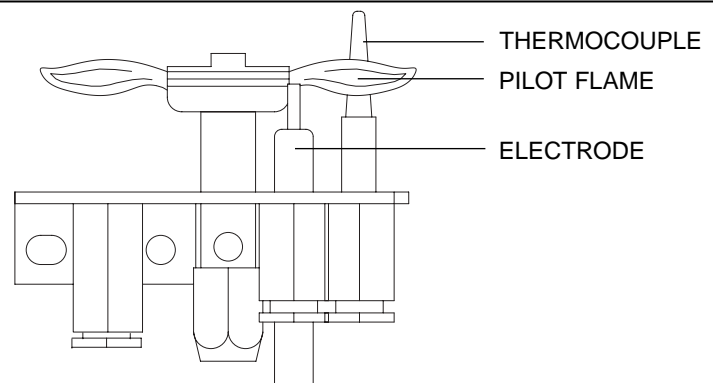
Periodically:

- a) Viewing glass may be cleaned with fireplace glass cleaner.
- b) Exterior finish may be cleaned with mild soap and water.

Caution:

Do not use abrasive cleaners on glass or any other part of this appliance.
Do not clean glass when hot.

Fig. #2



Gas Supply

Caution:

The gas line should be installed by a qualified service person in accordance with all building codes. Consult local and/or national building codes before proceeding.

In the state of Massachusetts, only a licensed plumber and gas fitter may install this product. Correct gas line diameter must be used to assure proper operation.

The gas control is equipped with a captured screw type pressure test point, therefore it is not necessary to provide a 1/8 inch N.P.T. plugged tapping pressure test port for checking gas pressure immediately upstream of the gas supply connection to the appliance.

The gas valve inlet accepts a 3/8" N.P.T. fitting.

Correct gas pressure requirements

	Natural Gas	Propane
Min. Pressure (For purpose of input adjustment)	5.0" WC	11.5" WC
Max. Pressure	13.9" WC	13.9" WC
Manifold Pressure		
Maximum	3.8" WC	10.5" WC
Minimum	0.7" WC	1.6" WC

Floor Protection

The Fusion Gas stove may be installed directly on a combustible floor. If the appliance is to be installed directly on carpeting, combustible floor tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the unit.

Attachment to Floor

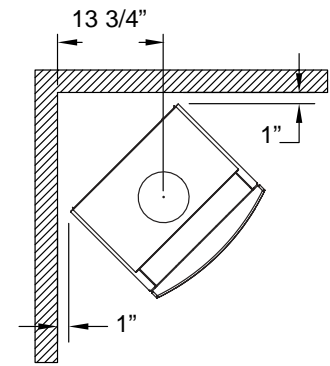
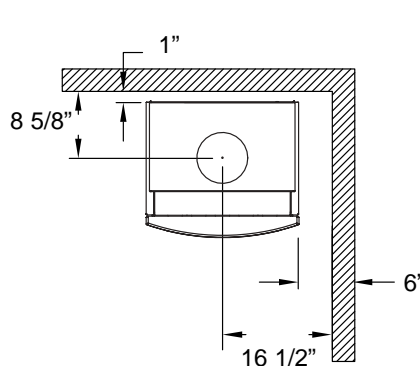
Mobile Home installations require that the appliance be firmly attached to the structure. Once the appliance is in its final location, secure the unit in place through holes in the pedestal base. The holes are located on the left and right hand side of the base.

Clearances

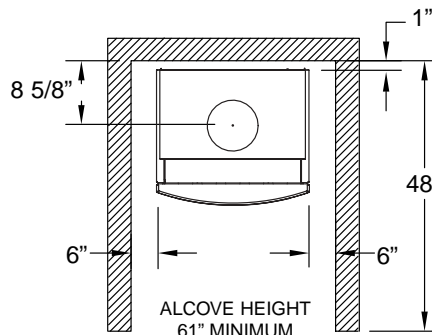
The minimum clearances from the appliance to combustibles are shown on Fig. #3. Adequate clearances around air openings are required.

Fig. #3

Minimum Clearances to Combustibles



Sidewall to Appliance	6 in	(152 mm)
Rearwall to Appliance	1 in	(25 mm)
Corner to Appliance	1 in	(25 mm)



Alcove Sidewall to Appliance	6 in	(152 mm)
Alcove minimum width	33 in	(838 mm)
Alcove maximum depth	48 in	(1219 mm)
Alcove minimum height	46 in	(1168 mm)

Top or Rear Vent Conversion



Fig. #3.01

The fusion gas stove is set up in the factory as a top vent. To convert to rear vent, use the following procedure. Please read the instructions carefully before converting the appliance:

1) Remove the two screws securing the air deflector to the rear of the stove (Fig. #3.01), remove the air deflector and store it in a safe place (Fig. #3.02).



Fig. #3.02



Fig. #3.03

2) Remove the two screws that secure the top plate in place (Fig. #3.03). To remove the top plate, lift it from the back and slide it forward slightly to unhook it from the brackets at the front (Fig. #3.04).



Fig. #3.04

3) Remove the four screws that fasten the vent cover to the back of the appliance, and remove the vent cover (Fig. #3.05).



Fig. #3.05

4) Remove the four screws securing the vent adapter to the top of the stove (Fig #3.06). Pull the vent adapter off and attach it to the rear flue outlet. Press firmly to ensure a positive, snug connection (Fig. #3.07) and use four screws to fasten it in place (Fig. #3.08).



Fig. #3.06



Fig. #3.07

IMPORTANT:

Take care not to damage the gaskets on the vent adapter and flue outlet cover plate during the procedure. Inspect the gaskets carefully before reinstalling, if the gasket on either piece is damaged, it will need to be replaced before continuing.



Fig. #3.08



Fig. #3.09

5) Place the vent cover from step 3 over the top flue outlet (Fig. #3.09) and use four screws to fasten it in place (Fig. #3.10).



Fig. #3.10



Fig. #3.11

6) Replace the top plate by hooking the front flange over the mounting brackets (Fig. #3.11) pull it firmly towards the rear of the appliance and fasten it down at the back with two screws (Fig #3.12).



Fig. #3.12

7) Place the air deflector back on the top of the appliance and align it so it is spaced evenly from either side. Fasten the air deflector to the rear bracket using two screws (Fig. #3.13).



Fig. #3.13

8) Place the optional cast iron Fusion Gas Trivet into the outlet of the air deflector. Take care to not scratch the finish on the top of the appliance (Fig. #3.14). Adjust the cap so that the logo reads left to right when facing the front of the appliance, and the radius matches the top of the air deflector.



Fig. #3.14

Venting Requirements

The Fusion Gas stove installation and venting must conform with local codes or, in the absence of local codes, to the current Installation Code, CAN/CGA-B149.1 in Canada or the current National Fuel Gas Code, ANSI Z223.1 in the USA. Only qualified (licensed or trained) personnel should install this product.

The Fusion Gas Heaters are tested and certified for use with SIMPSON DURA-VENT DIRECT VENT GS pipe or SECURITY CHIMNEYS SECURE VENT system. Vent components approved for use are listed on page 14. Kits for venting either through the wall or vertically through the roof are available from the vent system manufacturer or your nearest Pacific Energy Authorized Dealer. Before installing the vent system, the installer should read these instructions to ensure proper installation requirements are maintained.

NO OTHER VENTING SYSTEMS OR COMPONENTS MAY BE USED.

CAUTION: UNDER NO CONDITION SHOULD COMBUSTIBLE MATERIAL BE CLOSER THAN 1 INCH FROM ANY VERTICAL OR HORIZONTAL VENT SECTIONS.

Venting must be installed as per the venting manufacturers instructions – see information supplied with the vent system.

Consult your local Building Codes before beginning the installation.

Venting For Wall Termination With No Vertical Rise

Fig. #4

Maximum vent length is 24". 14" Snorkel Vent Terminal must be used for all rear vent applications. Where the terminal is accessible a guard, such as Simpson Dura-vent part # 984SG, must also be used.

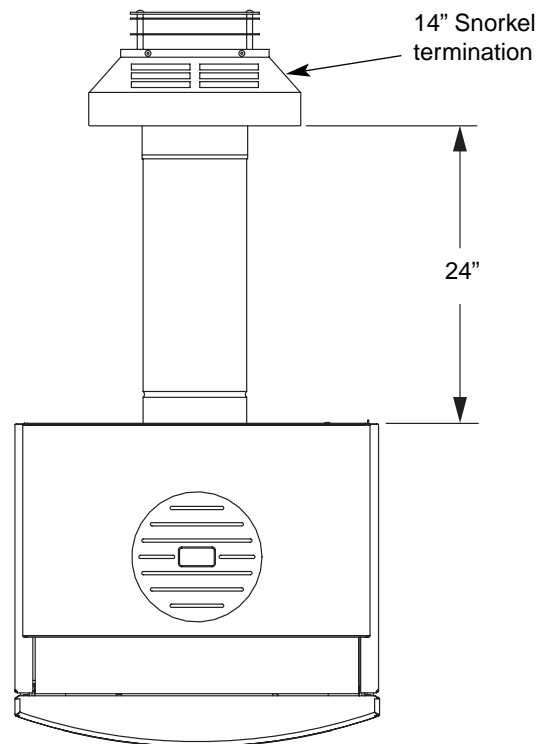
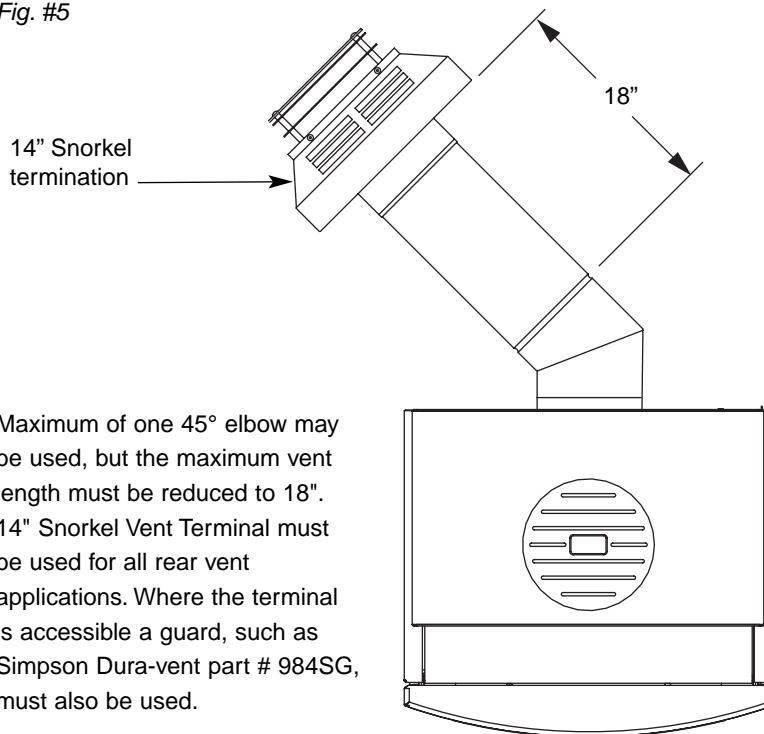


Fig. #5

Maximum of one 45° elbow may be used, but the maximum vent length must be reduced to 18". 14" Snorkel Vent Terminal must be used for all rear vent applications. Where the terminal is accessible a guard, such as Simpson Dura-vent part # 984SG, must also be used.



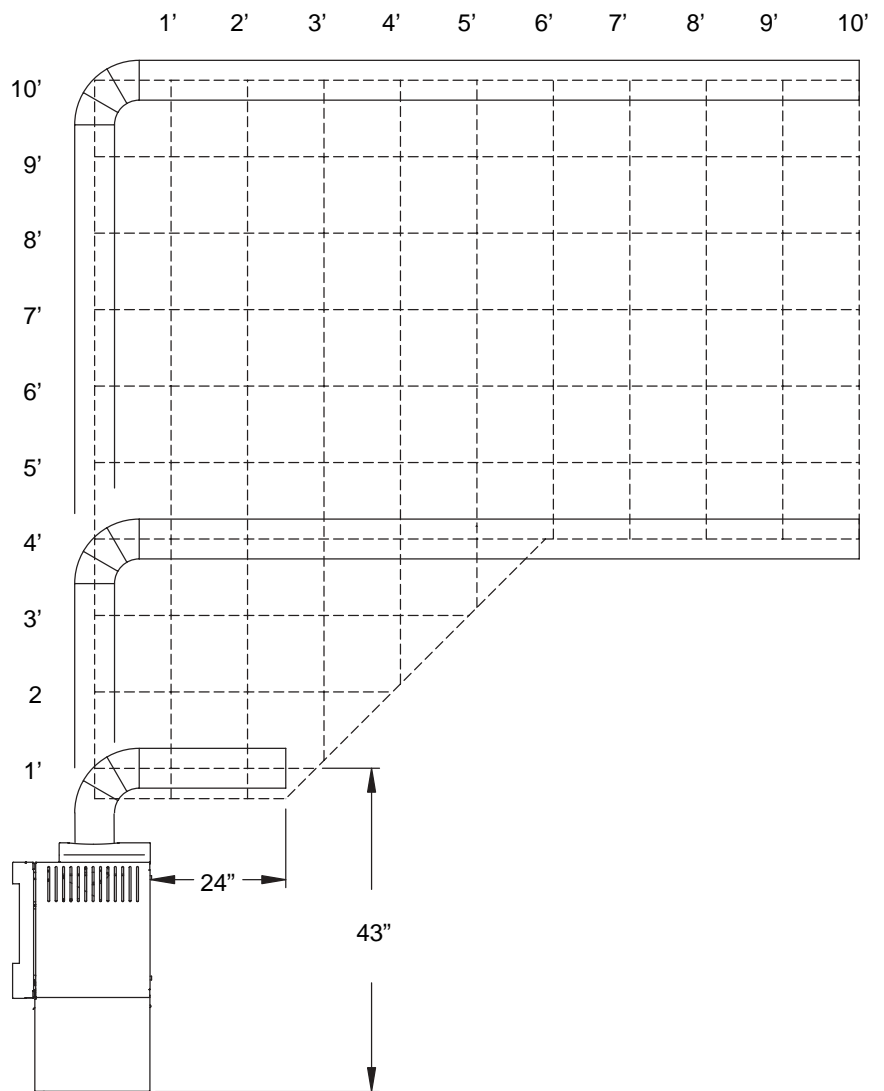
Venting For Wall Termination With Vertical Rise

Any combination of rise and run may be used but must be constrained to the boundaries of this chart. For each additional 90° elbow, reduce vent length by 2 feet. For each additional 45° elbow, reduce vent length by 1 foot.

For optimum performance and flame appearance, keep the vent length to a minimum. Connections between each vent component must be tightly joined and sealed as per manufacturer's instructions.

Fig. #6

WALL TERMINATION VENT CHART



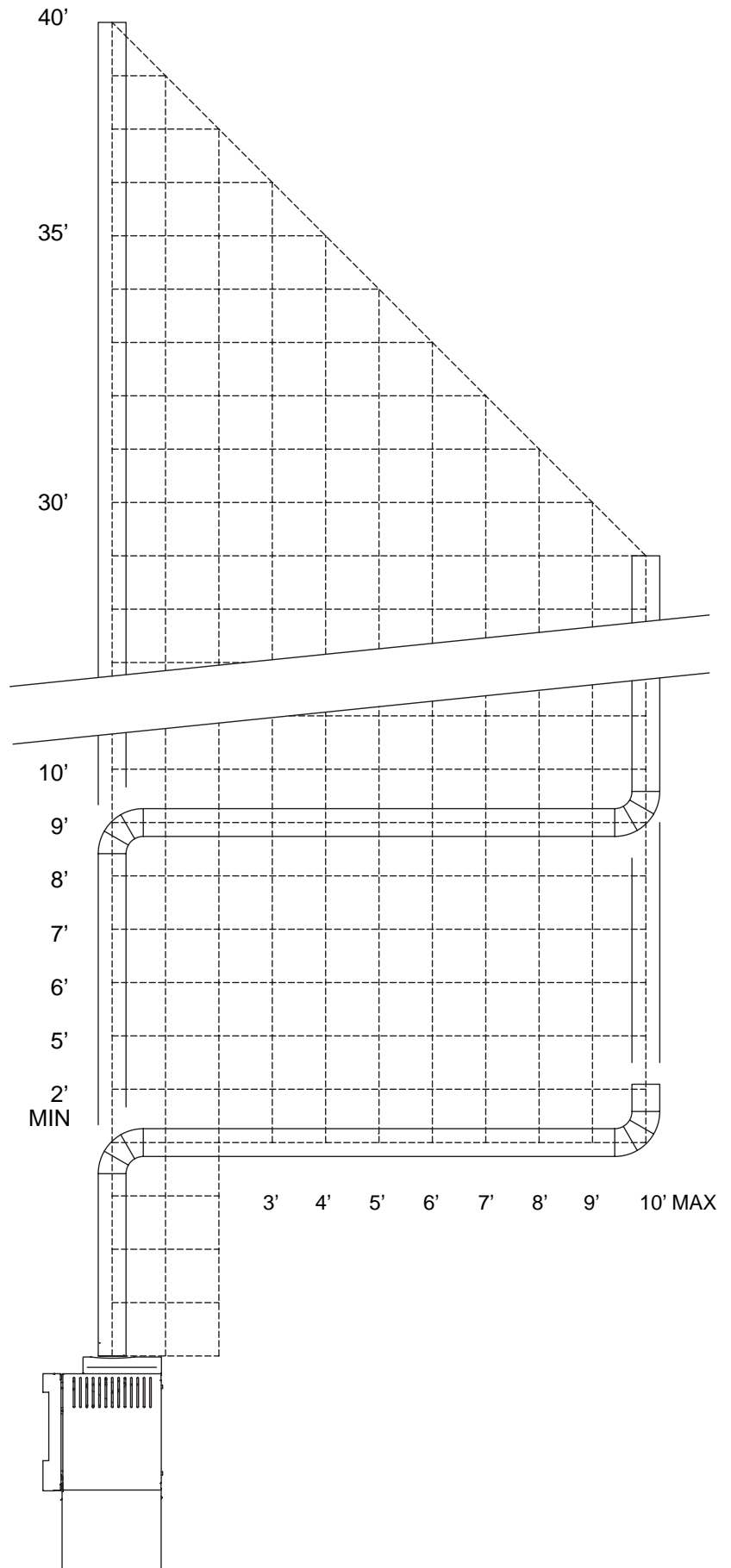
Roof Termination Venting

Any combination of rise and run may be used but must be constrained to the boundaries of this chart. If more than 2 elbows are used, reduce horizontal run by 2 feet for each additional elbow.

For optimum performance and flame appearance, keep the vent length to a minimum. Connections between each vent component must be tightly joined and sealed. A horizontal run of vent must have a 1/4-inch rise for every 1-foot of run towards the termination.

Fig. #7

ROOF TERMINATION VENT CHART

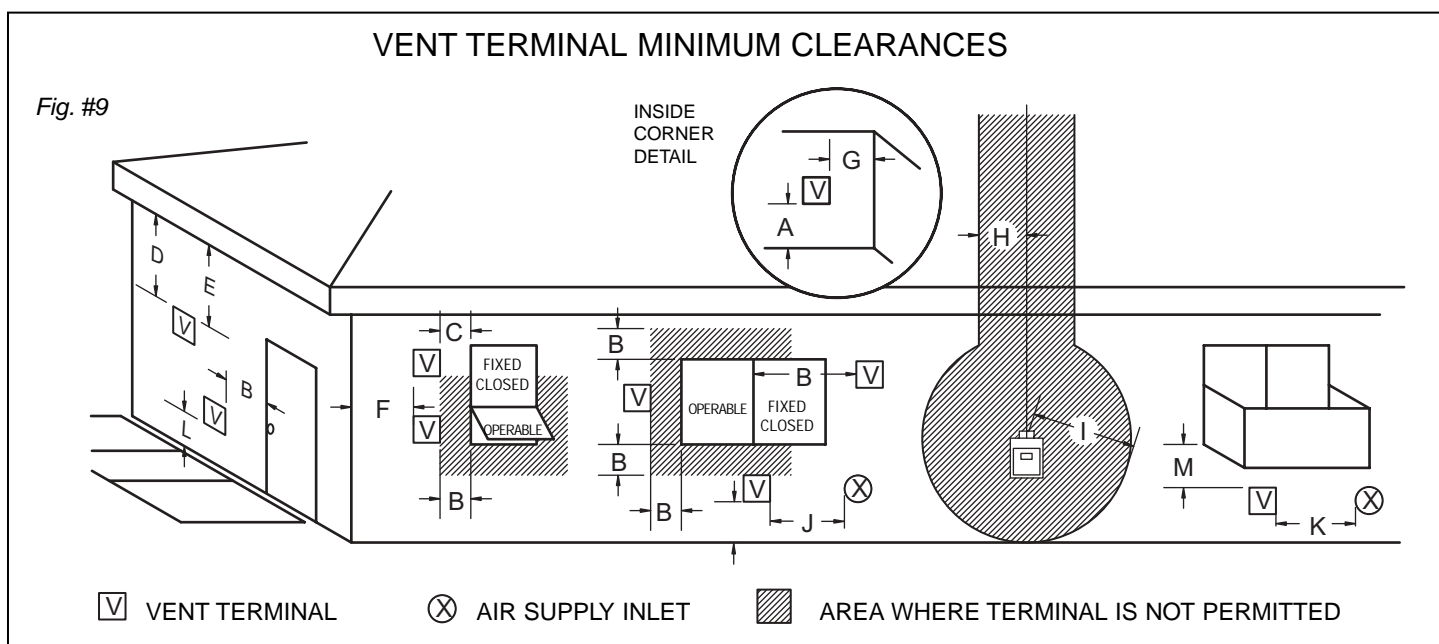
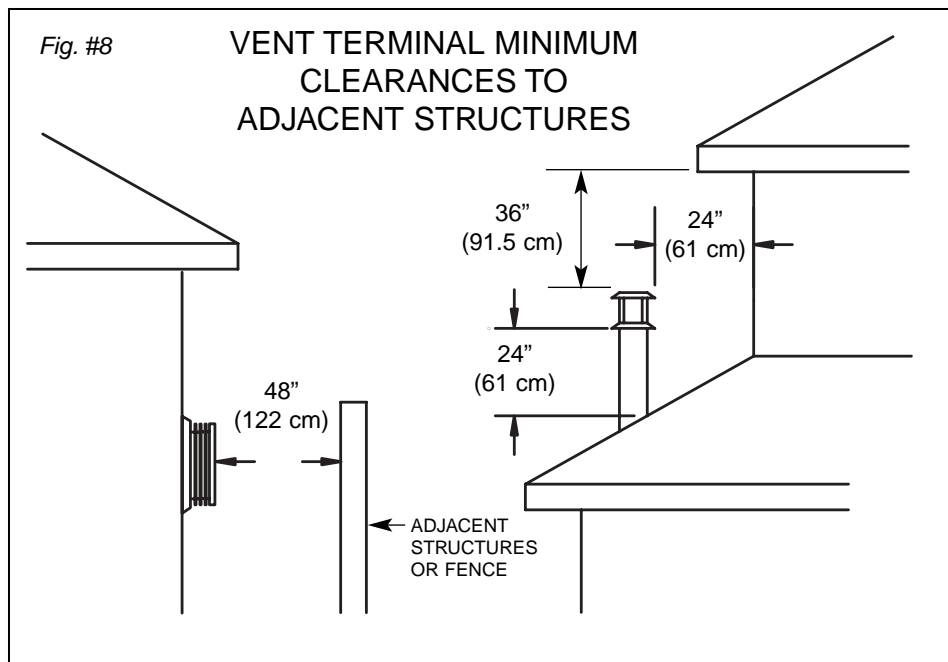


Vent Terminal Clearances

Minimum clearances to the vent terminal must be maintained as shown in Fig #8 and Fig #9. Measure clearances to the nearest edge of termination hood.

NOTE: Vent terminal must not be recessed into a wall or siding. Follow vent terminal manufacturer's installation instructions.

NOTE: LOCAL CODES OR REGULATIONS MAY REQUIRE DIFFERENT CLEARANCES.



	Canadian Installation ¹	US Installation ²
A = Clearance above grade, verandah, porch, deck, or balcony.	12 inches (30 cm)	12 inches (30 cm)
B = Clearance to window or door that may be opened.	12 inches (30 cm)	9 inches (23 cm)
C = Clearance to permanently closed window (condensation).	12 inches (30 cm)	9 inches (23 cm)
D = Clearance to ventilated soffit located above the terminal within a horizontal distance of 2' (61 cm) from center-line of terminal.	12 inches (30 cm)	12 inches (30 cm)
E = Clearance to unventilated soffit.	12 inches (30 cm)	12 inches (30 cm)
F = Clearance to outside corner.	12 inches (30 cm)	12 inches (30 cm)
G = Clearance to inside corner.	12 inches (30 cm)	12 inches (30 cm)
H = Clearance to each side of center-line extended above meter/regulator assembly.	3 feet (91 cm) within height of 15 feet (4.5 m) above meter/regulator	*
I = Clearance around service regulator vent outlet.	3 feet (91 cm)	*
J = Clearance to non-mechanical air supply inlet to building, or the combustion air inlet to any other appliance.	12 inches (30 cm)	9 inches (23 cm)
K = Clearance to a mechanical air supply inlet.	6 feet (1.83 m)	3 feet (91 cm) above if within 10' (3m) horizontally
L = Clearance above paved sidewalk or paved driveway located on public property	7 feet (2.13 m) †	*
M = Clearance under verandah, porch, deck or balcony.	12 inches (30 cm) ‡	12 inches (30 cm) ‡

¹ In accordance with the current CSA B149.1, Natural Gas and Propane Installation Code

² In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code

† A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings.

‡ Permitted only if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor.

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

Venting System Components

	DURAVENT GS		SECURE VENT	
	galv.	black	galv.	black
6" Pipe Length	908	908B	SV 4 L6	SV 4 LB6
9" Pipe Length	907	907B		
12" Pipe Length	906	906B	SV 4 L12	SV 4 LB12
24" Pipe Length	904	904B	SV 4 L24	SV 4 LB24
36" Pipe Length	903	903B	SV 4 L36	SV 4 LB36
48" Pipe Length	902	902B	SV 4 L48	SV 4 LB48
1 1/2" - 6" Adjustable Pipe Length			SV 4 LA	SV 4 LBA
12" Adjustable Pipe Length			SV 4 LA12	SV 4 LBA12
11" - 14 5/8" Adjustable Pipe Length	911	911B		
90° Elbow	990	990B	SV 4 E45	SV 4 EB45
45° Elbow	945	945B	SV 4 E90	SV 4 EB90
Termination Cap (Vertical)			SV 4 CGV	
High Wind Termination Cap (Vertical)	991			
Low Profile Termination Cap (Vertical)	980			
Extended Termination Cap (Vertical)	930			
Horizontal Square Termination Cap	984		SV 4 CHC	
Snorkel Termination Cap - 36"	981		SV 4 STC36	
Snorkel Termination Cap - 14"	982		SV 4 STC14	
Vinyl Siding Standoff	950			
Vinyl Shield Protector			SV 4 VS	
Round Ceiling Support/Wall Thimble	940			
Cathedral Ceiling Support Box	941			
Adjustable Square Cathedral Ceiling Support			SV 4 CSB	
Collar for Square Cathedral Ceiling Support			SV 4 AC	
Decorative Black Plate (square)			SV 4 PF	
Universal Support			SV 4 SU	
Floor Support			SV 4 SD	
Roof Brace			SV 4 BS	
Ceiling Firestop	963		SV 4 BF	
Insulated Attic Radiation Shield			SV 4 RSA	
Storm Collar	953		SV 4 FC	
Flat Roof Flashing (c/w storm collar)			SV 4 F	
Roof Flashing 0/12 - 6/12	943			
Roof Flashing 1/12 - 7/12 (c/w storm collar)			SV 4 FA	
Roof Flashing 7/12 - 12/12	943S			
Roof Flashing 8/12 - 12/12 (c/w storm collar)			SV 4 FB	
Wall Straps	988		SV 4 BM	
Wall Radiation Shield			SV 4 RSM	
Wall Thimble	942			

Removal of Window Frame

1) Grasp the bottom of the door skin and pull sharply forward and up to unhook from the clip on the lower edge (Fig. #10).



2) Insert the handle provided into the latch mechanism located approximately two inches down from the top of the window frame (Fig #11).



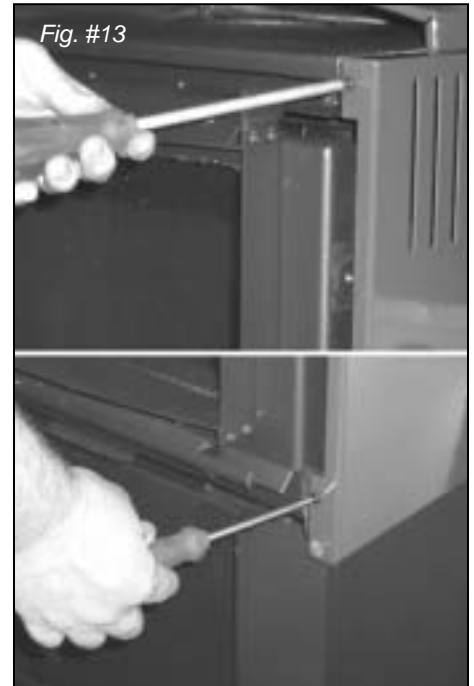
3) Repeat on other side

4) Swing the window frame out at the top and lift out of the location rail along the bottom edge of the firebox (Fig #12).



Removal of Right Hand Side panel

1) Remove the two screws securing the panel to the firebox (Fig #13).



2) Unhook from the two tabs on the rear and remove from firebox.

Adjustment of Top Vent Damper

This appliance has a built in manual damper that must be set dependant on the height of the vent.

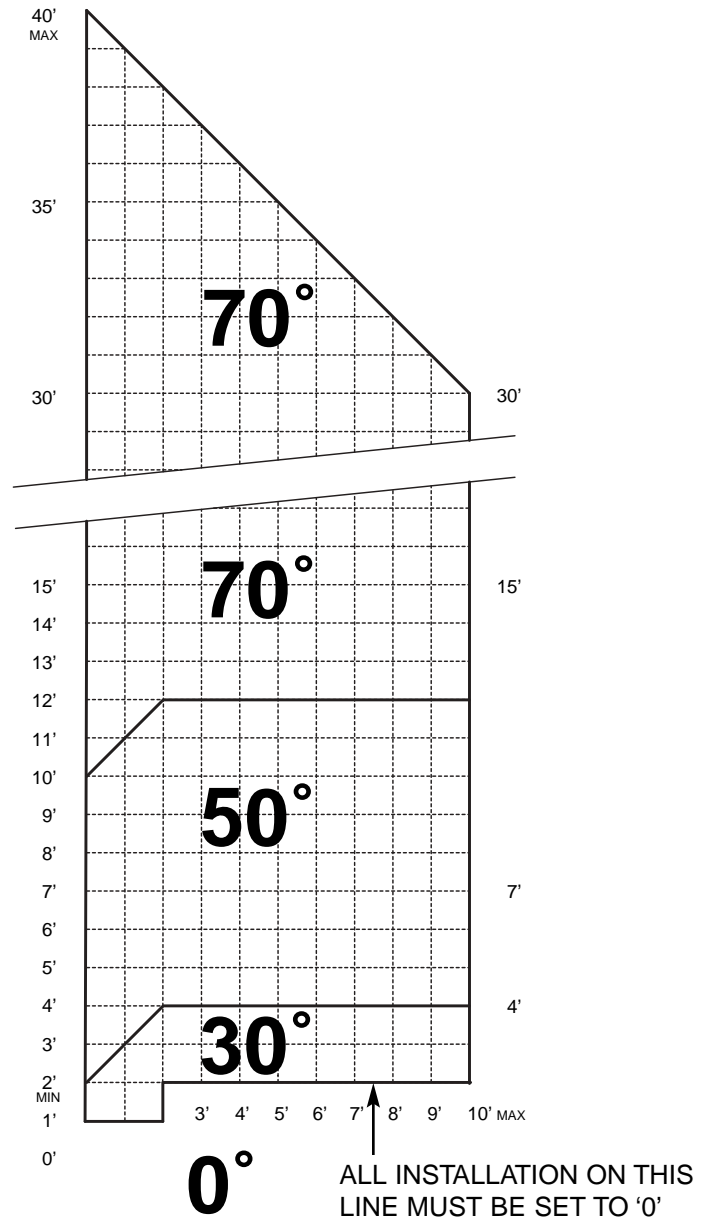
For recommended setting see Fig #14.

The damper only applies to top venting and is preset to 0° (fully opened) at the factory.

TIP

Check inside top flue outlet first to see position of damper. It may not be necessary to remove right hand side panel to adjust.

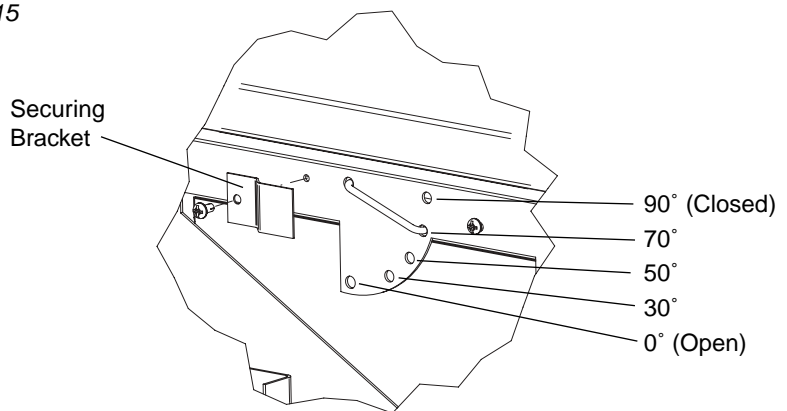
Fig. #14



To adjust vent damper:

- 1) If not already removed, remove right hand side panel, see previous section.
- 2) Loosen the screw in the securing bracket and rotate to the recommended setting (Fig #15).
- 3) Tighten screw and reassemble the side panel.

Fig. #15



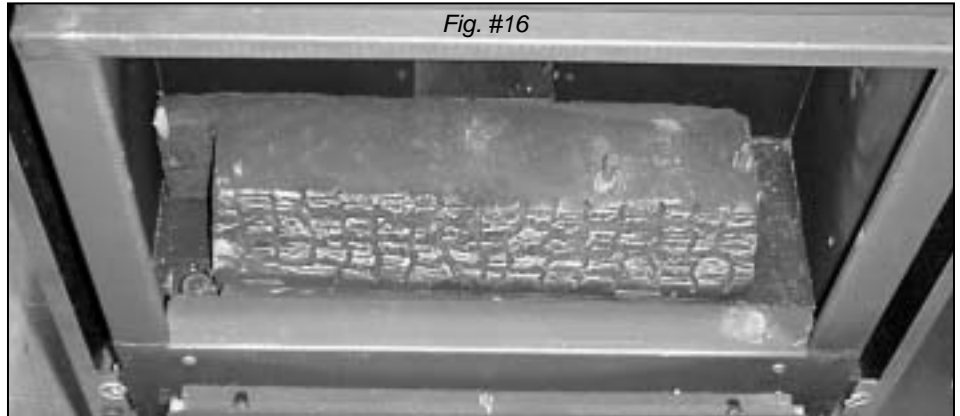
Log Set Installation

The ceramic logs are durable and long lasting when installed properly. However, they are delicate and may be damaged easily if not handled with care.

Unpack and inspect log set. There should be a total of 2 logs and one base ceramic. Gas and vent connections should be made before installing logs.

Position the logs as indicated by Figs. #16 to #18.

Note: Improper placement of logs may cause sooting on internal parts and glass.

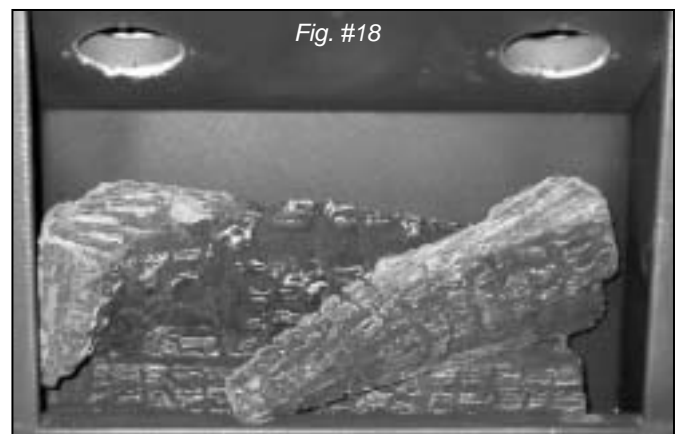


Place the Base Ceramic (5097.26105) in the bottom of the firebox. Pull toward the burner until it hits the ceramic spacer and then centralize to the burner.

Place Left Hand Log (5097.22) over pin in Base Ceramic and then line up the front face of the log with the corner of the ash bed char effect (Fig #17).



Place the Right Hand Log (5097.24) as per Fig. #18 .



Final log positions (Fig. #18).




Lighting Instructions

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.

- A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
WHAT TO DO IF YOU SMELL GAS:
 - Do not try to light any appliance.
 - Do not touch any electric switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- C. 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. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance & to replace any part of the control system & any gas control which has been under water.

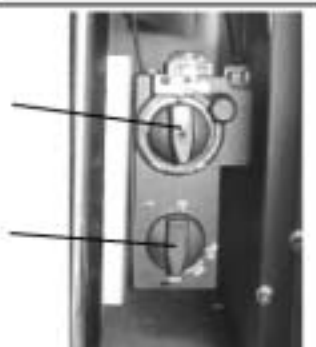
LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above on this label.
2. Turn off all electric power to the appliance.
3. Open the right hand trim panel to access the controls.
4. Set flame adjustment knob to its lowest setting (fully clockwise .
5. Partially depress and turn gas control knob clockwise  past "Pilot" to "Off" position.
Note: Knob cannot be turned from "Pilot" to "Off" unless knob is pushed in slightly. Do not force.
6. Allow sufficient length of time (minimum 5 minutes) for any gas in the combustion chamber to escape. If you still smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
7. Push in and turn the On/Off counter-clockwise  until resistance is felt, just before the IGN position.
8. Keep depressed for a few seconds to allow gas flow then, keeping the knob depressed, turn to the pilot position to light the pilot. Hold the knob for a further 5 seconds then release. The knob should pop out and the pilot should remain lit.


If pilot does not stay lit, repeat steps 6 through 8, allowing a longer period before releasing gas control dial.
- If the pilot will not stay lit after several tries,

Flame
Adjustment
Knob

On/Off
Knob




turn the gas control knob to "Off" and call your service technician or gas supplier.

9. Turn gas control knob counter-clockwise  to "On" position.
10. Turn flame adjustment knob to desired setting.
11. Close the right hand trim panel.
12. Turn on all electric power to the appliance.
13. Use the remote control to operate the fireplace to the desired settings.

Note: Sufficient time must be allowed for air to escape from lines if the unit is being lit for the first time.

TO TURN OFF GAS TO APPLIANCE

1. Set flame adjustment knob to lowest setting, if applicable.
2. Turn off all electric power to the appliance if service is to be performed.
3. Push in gas control knob slightly and turn clockwise  to "Off". Do not force.



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5-BDWA

5051.14

First Fire

When lit for the first time, the appliance will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. If optional fan kit has been installed, place fan in the "OFF" position. Smoke and fumes caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or cook stove oven.

Manual Operation

See lighting instructions on page 18. Once the burner has been lit, the flame height can be adjusted by rotating the flame adjustment knob. Rotate the knob fully counter-clockwise to give the high setting and fully clockwise for the low setting.



Extended Shutdown:

To shutdown the appliance including the pilot, partially depress and turn gas valve knob clockwise past "PILOT" to "OFF" position. DO NOT FORCE.

NOTE: The control has an interlock device which does not allow the pilot to be lit when the appliance is at operating temperature. Let the appliance cool down (approx. 60 sec.) before attempting to relight the pilot. DO NOT use force to rotate the control knob.

Optional Remote Control

The Fusion Gas Stove can be equipped with a thermostatic remote control. Once a pilot light has been established, and the gas control knob turned to the "ON" position, the burner may be turned on or off simply with the remote control.

The remote can be operated in three ways.

1) Manual operation

Simply press the large "UP" or "Down" buttons; the word "Man" as well as a large arrow in the upper left corner will be displayed.

To raise the flame press the "up" button, and to lower the flame press the "down". In this mode the "auto" and "Timer" functions are overridden.

2) Auto / Thermostatic Operation

Push and hold the "Auto" button until the temperature reading on the hand set display flashes. While it is flashing push the large "up" and "down" buttons until the desired temperature is displayed, wait until the temperature stops flashing. The remote will now check the temperature of the room every five mins and adjust the fire to up or down to suit the temperature you have set.

3) Timer setting

The third option is to program the fireplace to operate at set times. It has two "on" and "off" cycles which allows you to program the fire to come on just before you get up, shut down just after you leave, be on again when you get back and then shut down for the night.

Program this feature as follows:

a) Set the temperature as per (2), Auto / Thermostatic operation, if not already done.

b) Press and hold the "timer" button and it down until "P1*" is displayed in the handset. When its flashing press the large up and down buttons to set the time you would like the fireplace

to come on in the morning.

c) Press timer again and the "P1 (moon)" will appear, set the time you wish the fireplace to go off when you leave.

d) Press timer a third time "P2*" will appear, this is the time you would like the fireplace to come on when you return, set this again by using the large up and down buttons.

e) Press the "timer" button for the fourth and final time, the "P2 (moon)" appears, set the time you wish the fireplace to go off in the evening using the large "up" and "down" buttons. Wait until the display stops flashing.

The on /off times and temperature are now set. The fireplace will come on and off at the times you have set and keep the room to the temperature you set.

If you want to override the timer feature, just press "auto" to put you back into thermostat only setting or the large up and down buttons to put you in manual operation.

Fig. #20



Fig. #21



Fig. #22



Optional Blower

The optional blower kit #FSGA.BLOW is equipped with a three prong power cord and may be installed at any time. Follow installation instructions supplied with the kit.

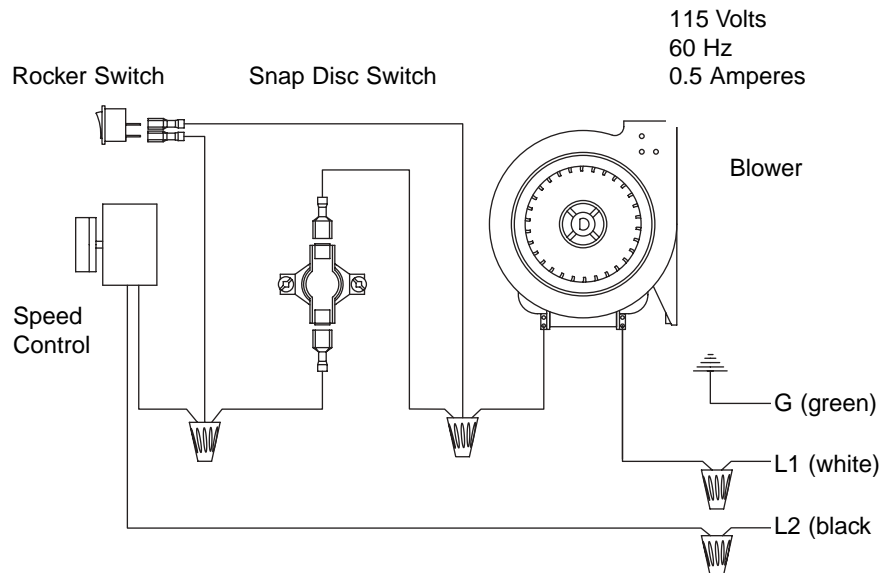
Operation:

The optional circulating air blower is either thermostatically or manually controlled. Set to auto, the fan will only turn on if the appliance is at operating temperature. A few minutes after the appliance is lit and the variable speed control is set at a desired setting, the blower will automatically turn on. This time may vary with each installation. The blower will automatically turn off a few minutes after the appliance is shut down.

The blower may also be operated manually. Push the rocker switch to manual position and the blower will operate independent of the burner provided the variable speed control is set.

Fig. #23

OPTIONAL BLOWER WIRING DIAGRAM



Propane Conversion

Note: Factory supplied components must be used to ensure correct input. After conversion confirm proper manifold pressure.

1) Ensure that the burner, pilot and gas supply are turned off and the appliance is cool.

2) Remove door skin by holding the base of the door and pulling up and outwards (Fig. # 24).



Fig. #24

3) Remove window and frame by unlatching the two latches, one each side of the frame, using the handle provided (Fig. # 25).



Fig. #25

4) Note log positions. Carefully remove them and set aside in a safe place for reuse after the conversion is complete.

5) Remove two screws securing the burner to the base of the firebox (Fig. # 26). Slide the burner to the left hand side to disengage from the orifice.

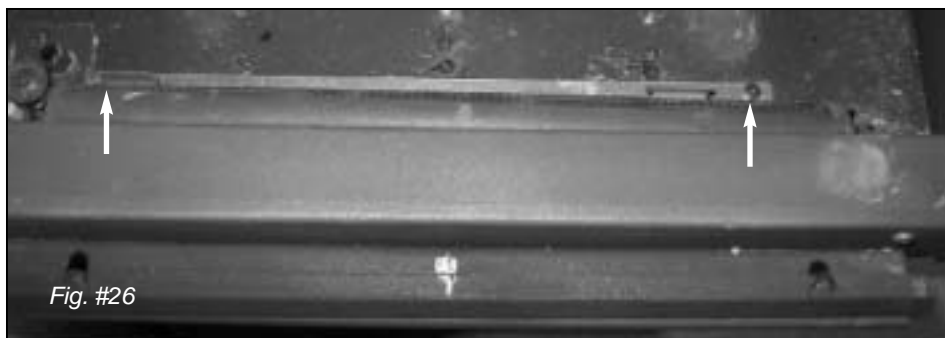


Fig. #26



Fig. #27

6) Remove air shutter from burner by removing the securing screw, and discard air shutter but replace screw (Figs. #27 and #28).



Fig. #28

7) Remove orifice (marked 41) from manifold using a 1/2 inch wrench. Replace with orifice (marked 54) supplied with this kit. Please apply a small amount of pipe joint compound to the threads to ensure a good seal (Fig. #29).

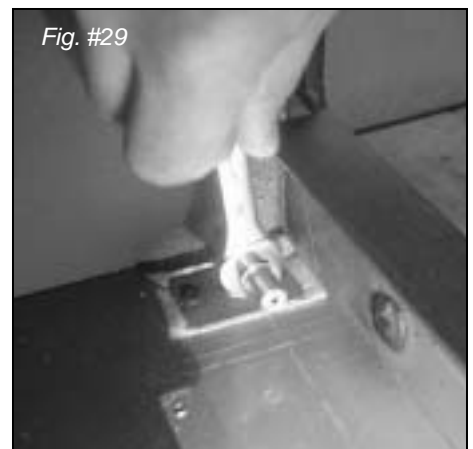
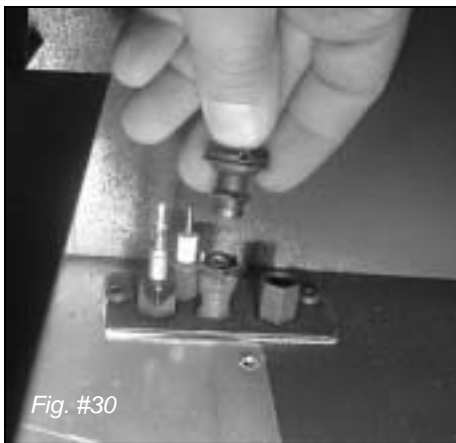


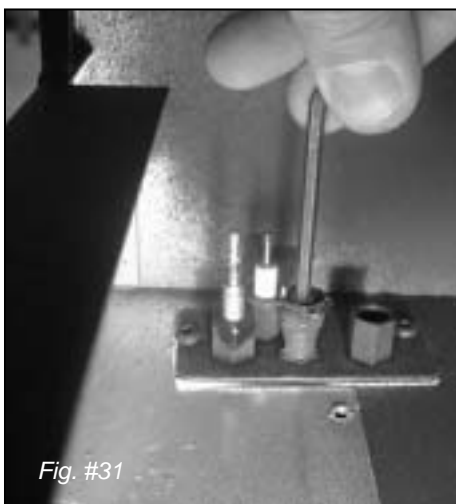
Fig. #29

8) Reposition the burner over the orifice and secure with the two screws previously removed.



9) Remove the pilot hood by pulling it up and off the pilot assembly (Fig. #30).

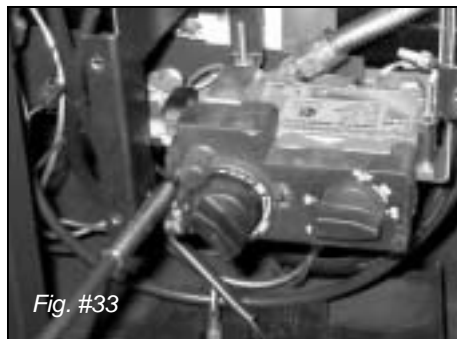
10) Remove the pilot orifice with a 5/32" (4mm) hex key (Fig. #31).



11) Replace with pilot orifice supplied with this kit (marked 35)

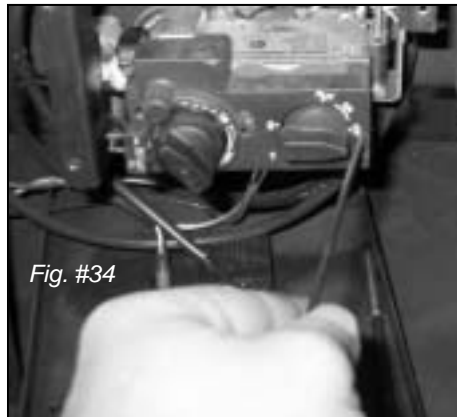
12) Reinstall the hood assembly. The pilot hood should snap in place.

13) Remove the cover panel from around the valve, by removing the three securing screws (Fig. #32).



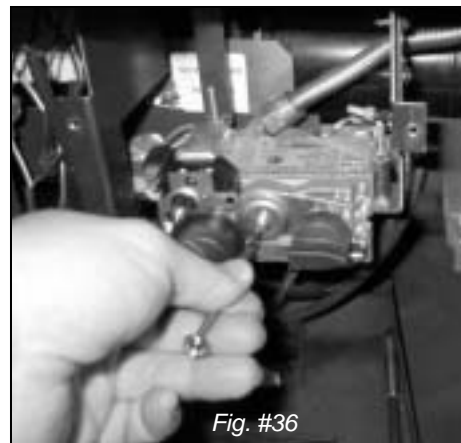
14) Remove the valve face securing screw on the left and side using the special tool provided in this kit (Fig. #33).

15) Insert a small screwdriver into the slot on the right hand side of the valve face and gently pry the cover away from the valve (Fig. #34).

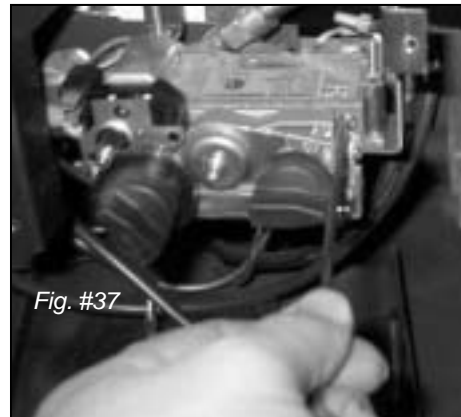


16) With a small screwdriver loosen the rear pressure test point and attach a manometer (Fig. #35).

17) Ignite the stove and turn to the highest setting.



18) With a small screwdriver adjust the pressure regulator to read 10.5" wc (Fig. #36).



19) Check the pilot system for proper flame size and operation. Adjust the pilot flame using the pilot flame adjustment screw (see Fig. #37). The flame should cover the thermocouple (see Fig. #2, page 4).

20) Turn stove off, remove manometer, tighten up pressure test screw and reattach valve face.

21) Replace logs, window and door skin.

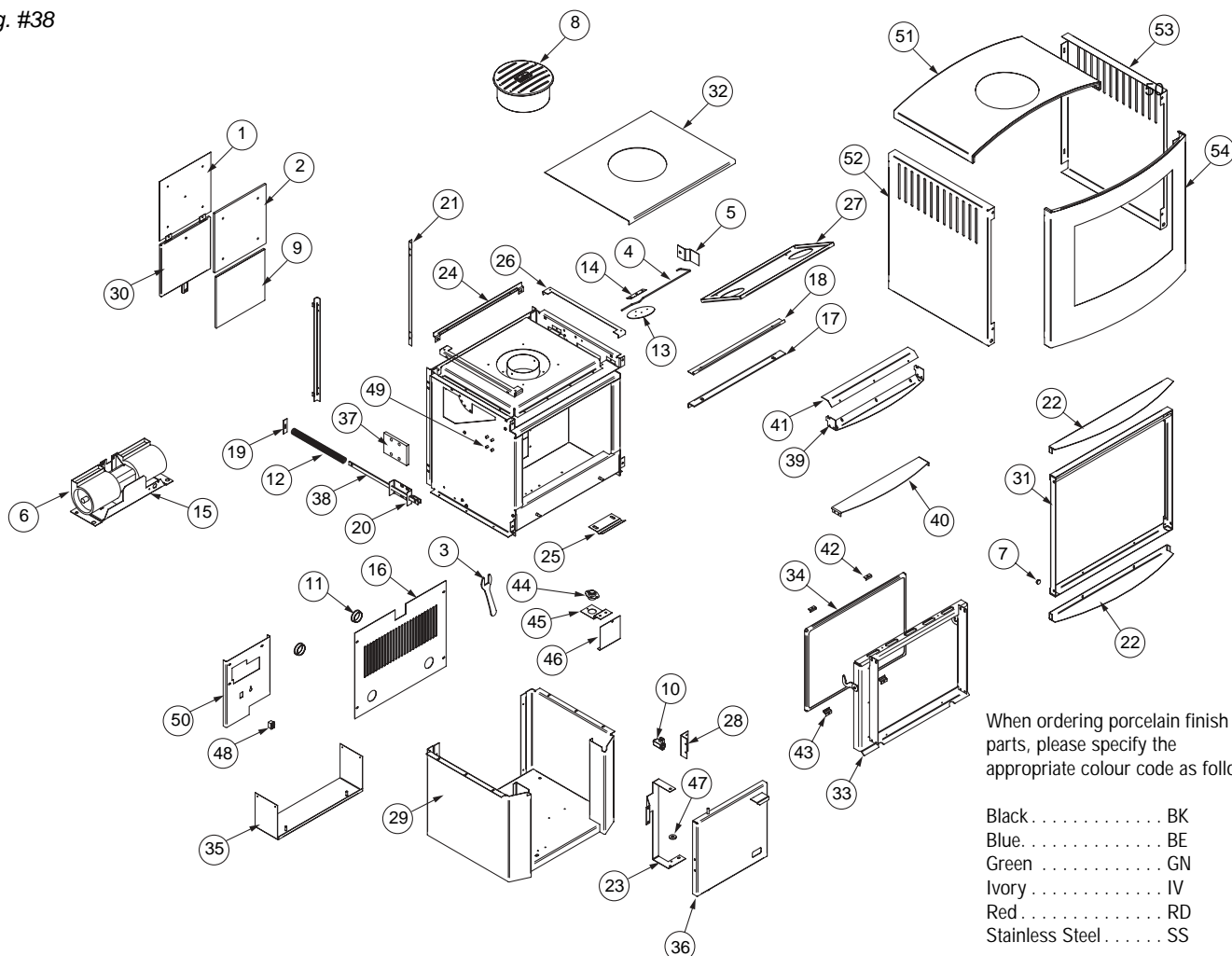
Conversion Label

In the blank area on the conversion label, fill in the date and name of the organization which accepts the responsibility that this conversion has been properly done. Peel off the protective backing and apply the conversion label directly over the gas pressure specifications on the rating

Body Replacement Parts

ITEM	PART NUMBER	TITLE	QTY	ITEM	PART NUMBER	TITLE	QTY
1	2737	FLUE COVER	1	27	7171	FIREBOX BAFFLE	1
2	2760	FLUE COVER GASKET	1	28	7177	CATCH BRACKET	1
3	5000.9028.B	WINDOW RELEASE TOOL	1	29	FSGA.7110WELD	FSGA PEDESTAL	1
4	5002.604	FLU DAMPER ROD	1	30	FSGA.71351WELD	RELIEF DOOR ASSEMBLY	1
5	7170	DAMPER LOCK	1	31	FSGA.7135WELD	FALSE DOOR FRAME WELD	1
6	5024.51	BLOWER, J238-1698	1	32	7104.11	TOP PLATE	1
7	5031.8	BUMPER, RUBBER	2	33	FSGA.7137	GLASS FRAME	1
8	FSGA.CAP1	CASTING, FUSION GAS TRIVET	1	34	GLAS.2068	GLASS, FSGA w/GASKET	1
X	5040.625	COTTER PIN 3/16 X 3/4 (Not Shown)	2	35	FSGA.71682WELD	FAN BRACKET WELD	1
9	5068.7175	RELIEF DOOR GASKET	1	36	FSGA.7168WELD	VALVE ACCESS DOOR WELD	1
10	5070.751	MAGNET TC42	1	37	5068.7139	WINDOW RELIEF GASKET	2
11	5072.1	SNAP BUSHING	2	38	TC42.9026	RELEASE BAR	2
12	5094.071	SPRING, WINDOW RELIEF	2	39	7137.7	WINDOW AIR OUTLET	1
13	7023	FLUE DAMPER	1	40	7137.8	GLASS FRAME BOTTOM	1
14	7025	FLUE DAMPER CLAMP	1	41	7137.9	AIR DEFLECTOR	1
15	7028.011	FAN BRACKET	1	42	7162	GLASS RETAINER, TOP	2
16	7113	PEDESTAL BACK COVER	1	43	9869.01	GLASS RETAINER, BOTTOM	2
17	7137.3	WINDOW RECEIVER BRACKET	1	44	5027.2	T/SWITCH, FAN, AIR MOUNT 120-10	1
18	7137.4	WINDOW FRAME RECEIVER	1	45	7147.1	THERMODISK BRACKET	1
19	7140	SPRING RELIEF PLATE	2	46	7147.2	THERMODISK SHIELD	1
20	7139	RELIEF BRACKET	2	47	5043.605	WASHER, 5/16 BS USS	1
21	7152	SIDE PANEL BRACKET	2	48	5071	ROCKER SWITCH, ON/OFF	1
22	7164	DOOR COVER	2	49	5049.737	CARR. BOLT, 1/4 X 1/2, BLK	8
23	7168.4	PEDESTAL DOOR HINGE BRACKET	1	50	FSGA.71681	CONTROL PANEL OVERLAY	1
24	7181	AIR DEFLECTOR MOUNTING BRACKET	1	51	FSGA.71081P	AIR DEFLECTOR	1
25	7169	DOOR FRAME CATCH	1	52	FSGA.7160P	LEFT PANEL	1
26	7178	TOP PLATE MOUNTING BRACKET	2	53	FSGA.7161P	RIGHT PANEL	1
				54	FSGA.7135P	DOOR FRONT	1

Fig. #38

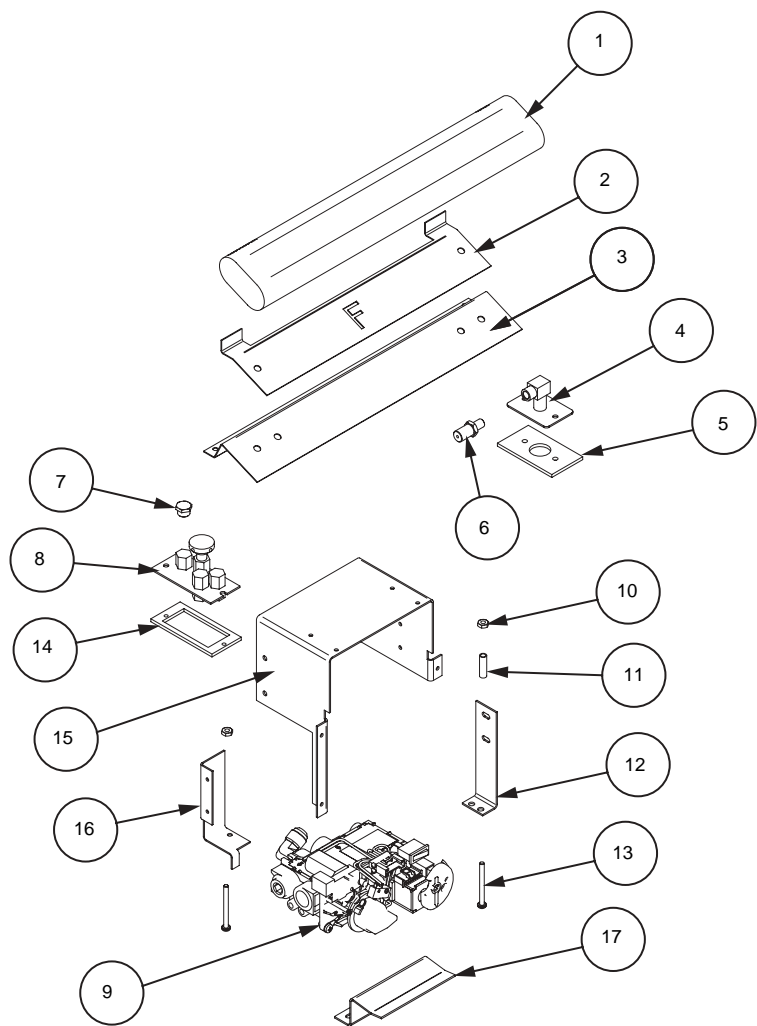


Burner Replacement Parts

ITEM	PART NUMBER	TITLE	QTY	ITEM	PART NUMBER	TITLE	QTY
1	.5011.9	BURNER, DUAL FUEL D0903	1		.5097.26121	LOG SET, FSGA (Not shown)	1
2	.9807.	CERAMIC SPACER BRACKET	1		.5097.26105	BASE CERAMIC (See Fig.#16 - Pg.17)	1
3	.2811.01	BURNER MOUNTING BRACKET	1		.5097.22	LOG, REAR LEFT (See Fig.#17 - Pg.17)	1
4	.5012.505	MANIFOLD.	1		.5097.24	LOG, REAR RIGHT (See Fig.#18 - Pg.17)	1
5	.5068.2892	MANIFOLD GASKET	1				
6	.5019.565	ORIFICE, #41 NG	1				
7	.5019.0055	FITTING, PILOT PLUG, 972.071	1				
8	.5009.156	PILOT ASS'Y, ESTH/ESMC 199750	1				
9	.5007.001	VALVE, GV34-B5A0B8B	1				
10	.5049.53	NUT, 8-32 HEX PLTD	2				
11	.5043.6173	SPACER, No.8 x .25 OD x 3/4"	1				
12	.7167.5	VALVE RIGHT TILT BRACKET	1				
13	.5046.3	SCREW, 8-32X1.75 PH QUADREX	2				
14	.5068.2893	GASKET, PILOT ASS'Y	1				
15	.7167.	VALVE BRACKET	1				
16	.7167.11	VALVE BRACKET ARM	1				
17	.7173.	REMOTE RECEIVER BRACKET	1				

Fig. #39

BURNER REPLACEMENT PARTS



Safety Label



Pacific Energy Fireplace Products Ltd.
Duncan, British Columbia, Canada
Certified for Canada and U.S.A. /
Certifié pour Canada et U.S.A.



WH-

WH-

SERIES/SERIE: A MODEL/MODELE: FUSION GAS

**VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUEL
FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE.**

ANSI Z21.88b-2003 / CAN 2.33b-2003 Vented Gas Fireplace Heaters, CAN/CGA-2.17-M91 Gas-Fired Appliances For Use At High Altitudes

FOR USE WITH / EN CASE D'EMPLOI AVEC:	NATURAL GAS / DU GAZ NATUREL
Minimum supply pressure / Pression minimum d'alimentation: (For the purpose of input adjustment / dans le but de régler l'alimentation)	5.0 in. wc / 5.0 po. c.e. (1.25 kPa)
Manifold pressure / Pression de la tuyauterie:	3.8 in. wc / 3.8 po. c.e. (0.95 kPa)
Maximum	0.7 in. wc / 0.7 po. c.e. (0.175 kPa)
Minimum	
Orifice Size / Diamètre de l'injecteur:	#41
Input BTU/hr / Entree BTU/h:	Max.: 24,000 Min.: 12,000

Blower electrical rating: 115v, 60hz, 0.5A / Normes électriques du ventilateur: 115v, 60hz, 0.5 A.
Optional components: Fan Kit (FSGA.BLOW), Propane Conversion Kit (LPKT.FSGA24A) / Elements facultatifs: Ventilateur (FSGA.BLOW), Trousse de conversion (LPKT.FSGA24A).

This appliance is equipped for altitudes 0 - 4500 ft. (0 - 1372 m) / Cet unité est conçue pour des altitudes variant entre 0 - 4500 pieds (0 - 1372 m). Also certified for installation in a bedroom or a bedsitting room / Aussi certifié pour installation dans une chambre à coucher ou une salle de séjour. This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1, or Canadian Installation Codes, CAN/CGA-B149. Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation National Fuel Gas Code, ANSI Z223.1 ou Canadian Installation Codes, CAN/CGA-B149 en vigueur.

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

FABRIQUEZ (MOBILE) MAISON: Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique et peut être installé dans une maison préfabriquée (mobile) installée à demeure si les règlements locaux le permettent. Voir la notice du propriétaire pour plus de détails. Cet appareil ne peut être converti à d'autres gaz sauf si une trousse de conversion certifiée est utilisée.

This vented gas fireplace heater is not for use with air filters. / Ne pas utiliser de filtre à air avec ce foyer au gaz à évacuation.

Install in accordance with the current standard Mobile Homes, CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, (in the U.S.A.). Cet appareil doit être installé conformément aux exigences de la norme CAN/CSA Z240 MH en vigueur de l'ACNOR, Installations de gaz dans les Constructions Mobiles.

FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY / POUR UTILISATION UNIQUEMENT AVEC LES PORTES EN VERRE CERTIFIÉES AVEC L'APPAREIL

MINIMUM CLEARANCES TO COMBUSTIBLES / DÉGAGEMENT DES MATIÈRES INFLAMMABLES			
Left and Right side are determined when facing the front of the appliance. / Les côtés droit et gauche se déterminent en se mettant devant l'appareil et en lui faisant face.			
Clearances to Combustibles	Regular Installation		Alcove Installation
Sidewall to Appliance/Du mur latéral à l'appareil	6 in./ 6 po.	(76 mm)	6 in./ 6 po.
Backwall to Appliance/Du mur arrière à l'appareil	1 in./ 1 po.	(25.4 mm)	1 in./ 1 po.
Corner to Appliance/D'un coin à l'appareil	1 in./ 1 po.	(25.4 mm)	NA
Alcove Size / Grandeur de l'alcove	33 in. Wide Min.		33 po. Large Min.
	48 in. Deep Max.		48 po. Profond Max.
	45 in. High Min.		45 po. Haut Min.

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

AVERTISSEMENT: Une installation, un réglage, une modification, une réparation ou un entretien mal effectuée peut causer des dommages à la propriété ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou d'autres renseignements consultez un installateur, ou un technicien agréé ou le fournisseur de gaz.

Made in Canada / Fabriqué au Canada

140405

5050.7132

1-FSGA



PACIFIC ENERGY FIREPLACE PRODUCTS LTD.

www.pacificenergy.net

Toll Free: 1-888-223-0088

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