



Vented Wall Furnaces

MODEL 737CN

Approved for use in Canada



MODELS 737AN, 737AP

Approved for use in Canada and USA



With Standard or Cast Front

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

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
 - 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 your gas supplier from a neighbor'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.

INSTALLATION AND OWNER'S MANUAL

*Please read this manual
before installing and
operating*

This appliance is a domestic heating appliance. It must not be used for any other purpose such as drying clothes, etc.

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SAFETY INFORMATION

Due to high temperatures, the 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.

The glass and front frames must be put back in place prior to operating the appliance if they have been removed for servicing or cleaning.

Never operate with broken or damaged window glass.

This appliance should be installed and repaired 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 are kept clean.

Keep curtains, clothing, furniture and other flammable materials a safe distance from all parts of the appliance.

Keep the appliance area well clear and free from combustible materials, gasoline and other flammable vapors and liquids.

If any changes are made to the room construction in the vicinity of the appliance after installation (e.g. additional mantle etc.) make sure that the changes conform to the installation requirements in this manual.

Never attempt to burn paper or any other material in the appliance.

Keep the base of the appliance clear to prevent obstruction of air flow to the appliance.

This appliance must be properly connected to a venting system. Models 737AN and 737AP are equipped with a vent safety shutoff system. Operating when not connected to a properly installed and maintained venting system or tampering with the shutoff system on models 737AN or 737AP can result in carbon monoxide (CO) poisoning and possible death.

The venting system should be checked periodically. Recent trends in home improvement and new tighter construction techniques have contributed to problems with venting. If you suspect that your appliance is not venting properly, do not operate. Seek expert advice.

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

NOTE

When operating your new furnace for the first time, some vapors may be released which may cause a slight odor and could possibly set off any smoke detection alarms in the immediate vicinity. These vapors are quite normal on new appliances. They are totally harmless and will disappear after a few hours use.

1. GENERAL

Models 737AN and 737AP are certified by International Approval Services for use in Canada and the USA.

Model 737CN is certified by International Approval Services for use in Canada.

The installation must conform with local codes or, in the absence of local codes, with the current CAN/CGA-B149.1 (Natural Gas) or CAN/CGA-B149.2 (Propane) installation code in Canada or the current National Fuel Gas Code, ANSI Z223.1 in the USA. Only qualified licensed or trained personnel should install the appliance.

1.1 Options

1.1.1 Furnace Front

The appliance will be supplied with the design of front facia requested when the furnace was ordered - Standard (louvered) or Cast Iron.

1.1.2 Facia outer surrounds

The appliance will be supplied with the design of facia outer surround requested when the furnace was ordered.

An alternative outer surround can be retrospectively fitted.

The designs available are:

#777FSK 4" Black beveled trim

#778FSK 2½" Contoured black trim

#779FSK 2½" Contoured champagne trim

1.1.3 #776CFK Circulating fan kit

Operated by a variable speed control, the fan is designed to boost the natural convection process through the heater. This may be a desirable feature dependent on the fireplace location and room layout. The circulating fan may be installed during initial appliance installation or as a retrofit at a later date. Full installation and operating instructions are included with the kit.

1.1.4 #770ZCK Zero clearance kit

Allows the furnace to be installed into an enclosure constructed of combustible material. *The kit must be used in this form of enclosure.* Enclosure framing dimensions suitable for the kit are shown in section 2 of this manual. This zero clearance kit has been designed to act as a "rough in" box with the appliance model 737 purchased and/or fitted after the walls of the enclosure and the hearth have been fitted. Full installation instructions are included with the kit.

1.1.5 #725 HACK High altitude conversion kit

Required for model 737AP only when installed at altitudes between 2000ft and 4500ft. Consists of an exchange regulator and associated connectors.

1.2 Rating plate

The rating plate is located on a chain. It is accessible when the control access door is open.

1.3 Rates (Btu/h)

	Altitude (ft)	737AP		737CN, 737AN	
		Max.	Min.	Max.	Min.
Input (Btu/h)	0-2000	27,800	9,500	28,500	8,500
	2000-4500	25,045*	8,560*		
Output-Fan Off	0-2000	19,740		20,235	
	2000-4500	17,782*			
Output-Fan On	0-2000	20,990		21,075	
	2000-4500	18,910*			

* With #725 HACK High altitude conversion kit

1.4 Pressures (in. w.c.)

	737AP		737CN, 737AN	
	Max.	Min.	Max.	Min.
Supply-Upstream of Regulator	14.0	11.0	10.5	5.0
Manifold-Tapping on Thermostat (Appliance full on)	9.5	9.1	3.7	3.3

1.5 Orifice data

For verification only. Do not attempt to drill or otherwise modify appliance input.

Model	Orifice	Type	No. of Holes	Diameter (ins.)
737AP	Pilot	Cat. 960-15	1	0.014
	Front	Cat. 92-130	1	0.038
	Rear	Cat. 960-190	1	0.047
737CN 737AN	Pilot	Cat. 960-45	1	0.023
	Front	Cat. 82-420	7	0.029
	Rear	Cat. 82-420	7	0.029

2. LOCATION IN THE ROOM

The appliance can be installed in the following constructions:

2.1 Solid fuel (Non-combustible) fireplaces

As supplied, this appliance can be installed as an inset in an existing solid fuel type fireplace with a chimney and 3" dia liner (see fig.1a).

The fireplace must be built in accordance with the national, state provincial or territorial building code recognized by the authority having jurisdiction, or in the absence of such a code, in accordance with the National Building Code of Canada or the National Fire Protection Association code in the USA. The size of the fireplace recess must be sufficient to accommodate the appliance case as shown in fig.1a.

The chimney must be swept and both chimney and fireplace checked for soundness before installation of the appliance. The liner must be a type approved by the enforcing authority and installed in accordance with the manufacturer's instructions.

The appliance must be installed on a non-combustible floor. The floor must be sufficiently flat and level to support the appliance satisfactorily. Some fireplace constructions have a well in the floor at the back that may need to be filled in. In the USA it is mandatory that a hard surfaced non-combustible hearth area must be maintained at least 16" in front of the fireplace. This may be

finished in brick, ceramic tile, marble, etc. Raising the hearth slightly will help to minimize dust and lint accumulation under the unit.

In Canada, though not mandatory, we recommend that carpet, soft vinyl or other combustible floor coverings are kept at least 16" from the front of the furnace since these types of materials may be affected by the high radiant heat output from this appliance.

The minimum clearances from any combustible constructions at the front of the appliance are shown in fig.1b. *These front clearances apply for all installations.*

2.2 Enclosures constructed with combustible materials

#770ZCK Zero clearance kit must be installed where the furnace is intended to be in an enclosure made with wood studding or other combustible materials.

The enclosure framing requirements are shown in figures 1c through 1f.

Note that in Canada, though not mandatory, we recommend that carpet, soft vinyl or other combustible floor coverings are kept at least 16" from the front of the furnace since these types of materials may be affected by the high radiant heat output from this appliance.

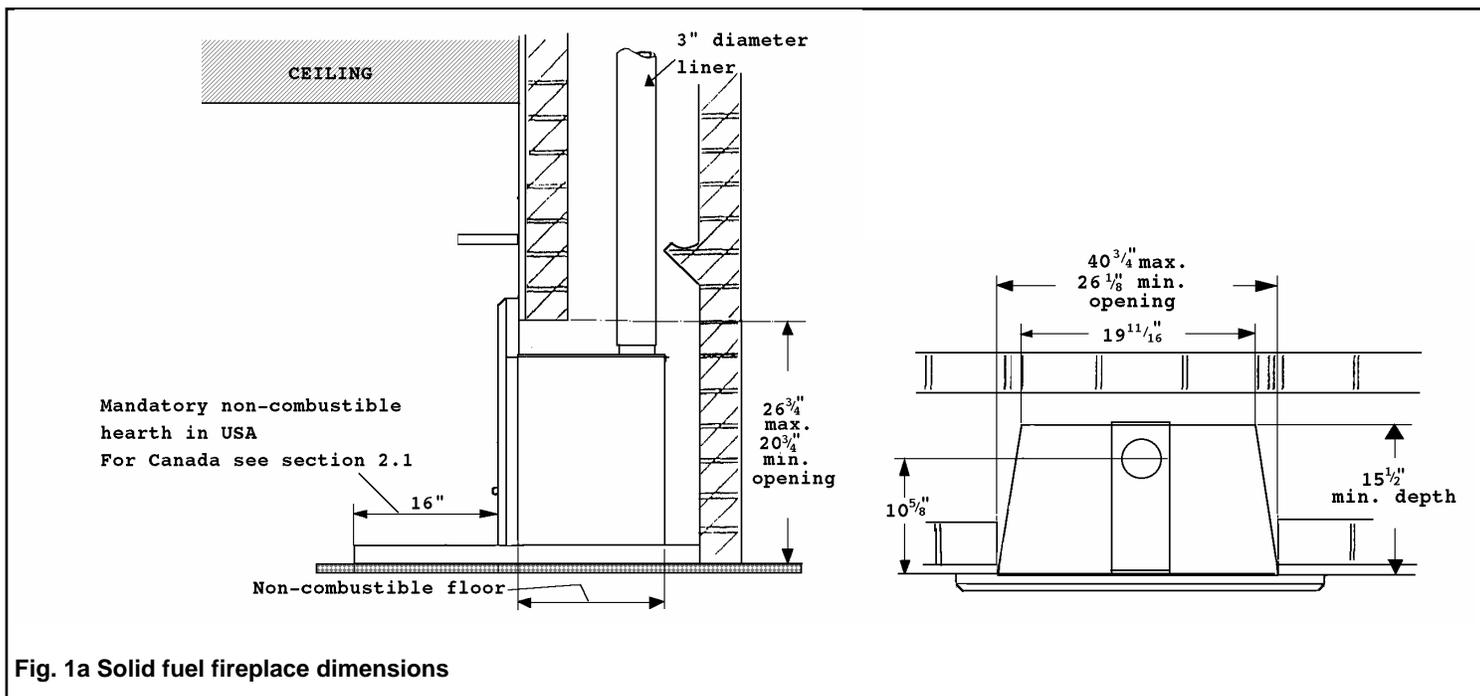
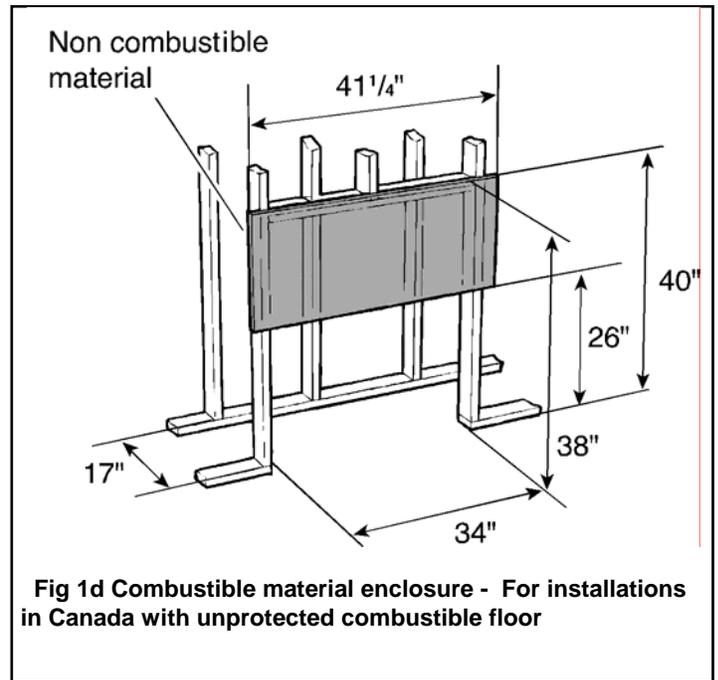
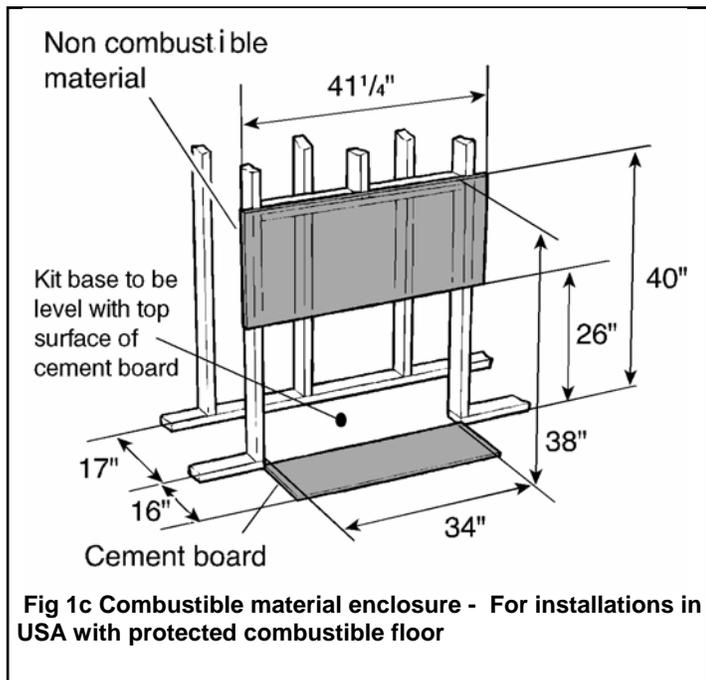
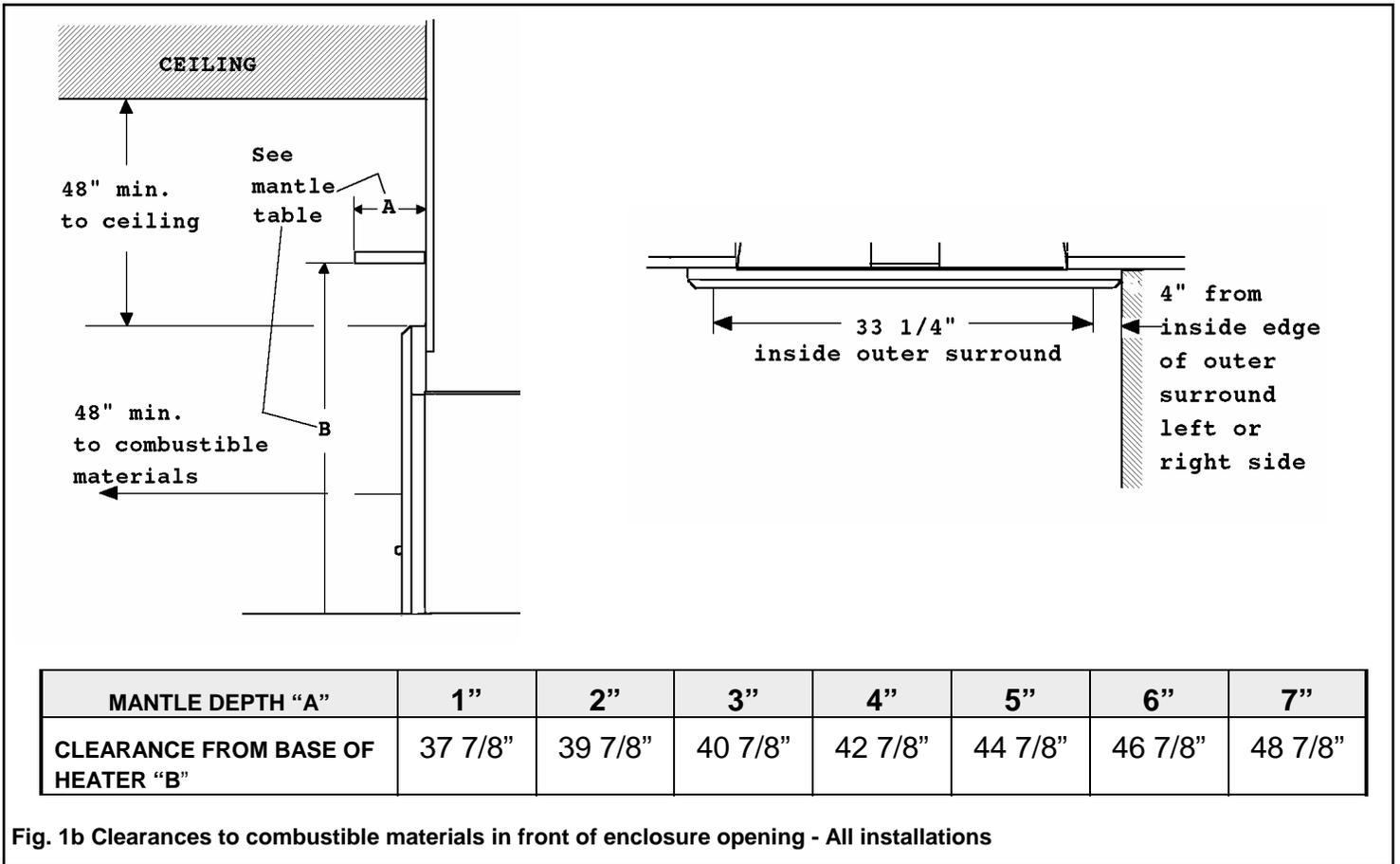
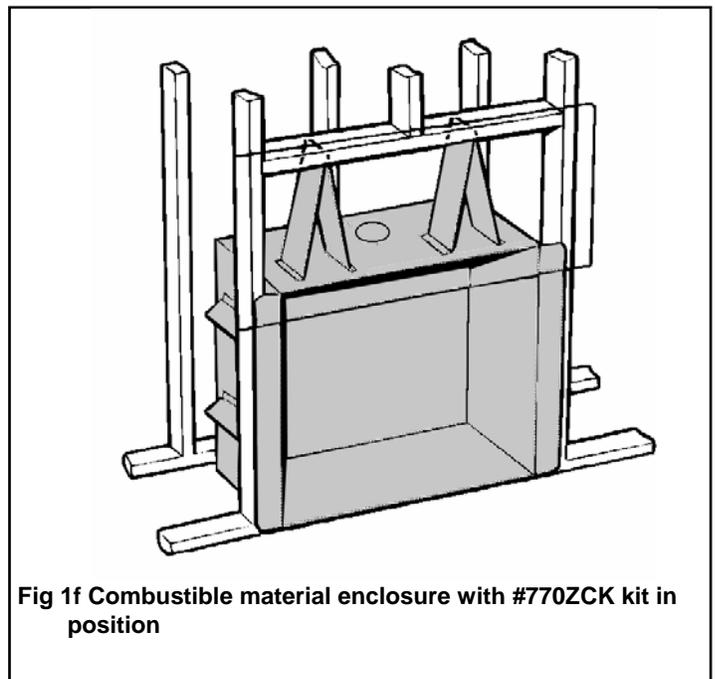
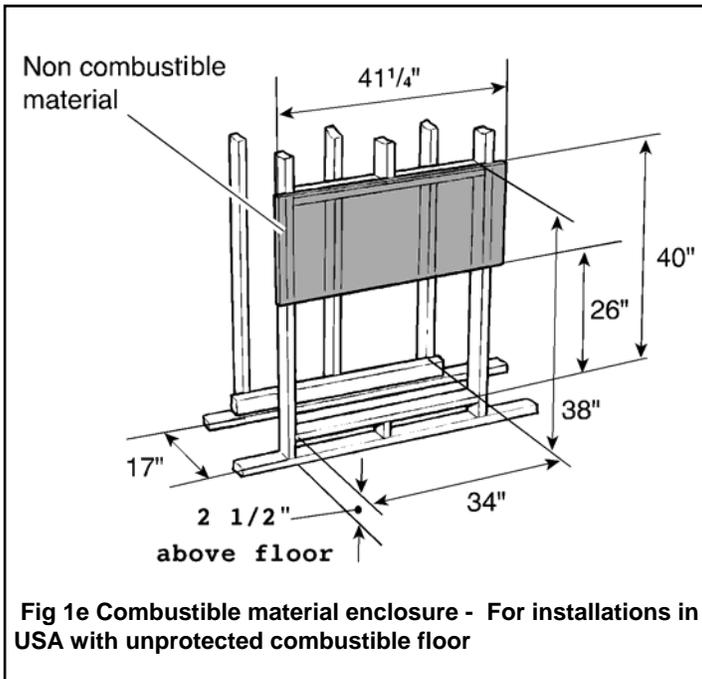


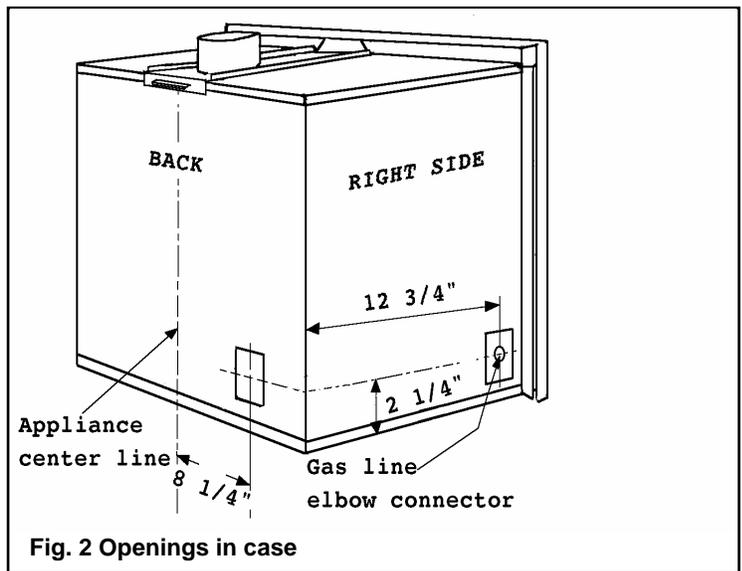
Fig. 1a Solid fuel fireplace dimensions





3. SUPPLY GAS

Models 737CN and 737AN are for use with natural gas only. Model 737AP is for use with propane only. The supply pressure must be between the limits shown in section 1.4 of this manual. The supply connection is $\frac{3}{8}$ "NPT. The supply gas feed line should enter the appliance through one of the openings in the appliance case. Openings are at the back and left side. (see fig.2). See section 5.3 for gas supply connection details.



4. PACK CONTENTS

Appliances with the Standard front fascia are supplied with the fascia unit fitted.

Appliances with the Cast fascia are supplied with the main appliance in one pack and the cast fascia items in a separate pack .

One of the alternative fascia outer surrounds will be included - either the standard or the deluxe outer surround.

Main appliance unit with Standard Fascia contains:-

- 1 Main appliance fitted with window and fascia units.
- 4 Ceramic logs.
- 2 Ceramic firebox side walls.
- 4 Ceramic base bricks.
- 1 Ceramic firebox back wall.
- 1 Inner front unit.
- 1 Log support plate with 2 screws

Main appliance unit for installation with Cast Fascia contains:-

- 1 Main appliance fitted with window.
- 4 Ceramic logs.
- 2 Ceramic firebox side walls.
- 4 Ceramic base bricks.
- 1 Ceramic firebox back wall.
- 1 Control knob
- 1 Control knob spacing tube
- 1 Log support plate with 2 screws

Cast Fascia Pack contains

- 1 Front frame
- 1 Upper front Casting
- 1 Bottom front casting
- 4 Screws for frame fixing

Fascia Outer Surround Pack is one of the following alternatives:-

#777FSK 4" black beveled trim contains:-

- 1 Outer surround top channel (black).
- 2 Outer surround side channels (black)
- 1 Bag of screws, nuts, and washers for outer surround fixing. **or**

#778FSK 2½" Contoured black trim contains:-

- 1 Outer surround top channel (black).
- 1 Outer surround left side channel (black).
- 1 Outer surround right side channel (black).
- 2 Corner fixing brackets.
- 1 Bag of screws for outer surround fixing.

or

#779FSK 2½" Contoured champagne trim contains:-

- 1 Outer surround top channel (champagne).
- 1 Outer surround left side channel (champagne).
- 1 Outer surround right side channel (champagne).
- 2 Corner fixing brackets.
- 1 Bag of screws for outer surround fixing.

5. INSTALLATION

5.1 PRE-INSTALLATION PREPARATION

For installations in enclosures constructed with combustible materials, complete the enclosure and install the #770ZCK zero clearance kit in accordance with the instructions supplied with the kit.

5.1.1 Closing Large Fireplace Openings

This appliance is suitable for solid fuel fireplace openings within the sizes shown in figure 1a. Larger fireplace openings may be reduced or the outer surround plate extended using non-combustible materials.

5.1.2 Remove Window and Logs (see fig.3).

5.1.2.1 Detach the window unit by removing the two screws situated at the bottom corners of the unit.

5.1.2.2 Lift the window unit up and forwards to unhook the top. Put the window in a safe place.

5.1.2.3 Take the ceramic logs out of the firebox and store in a safe place

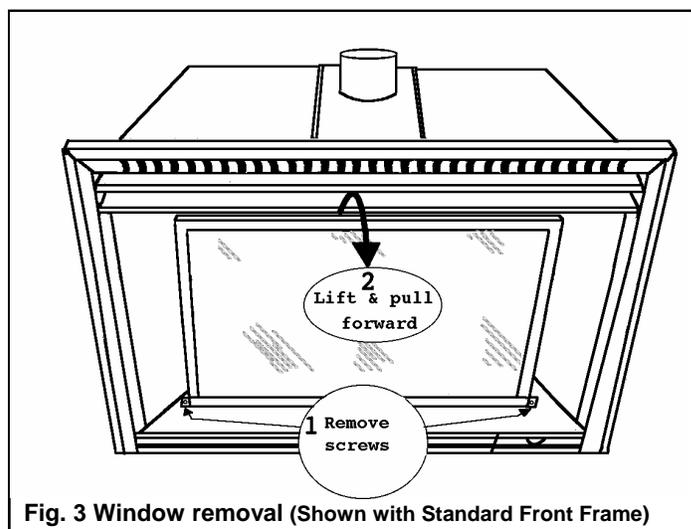
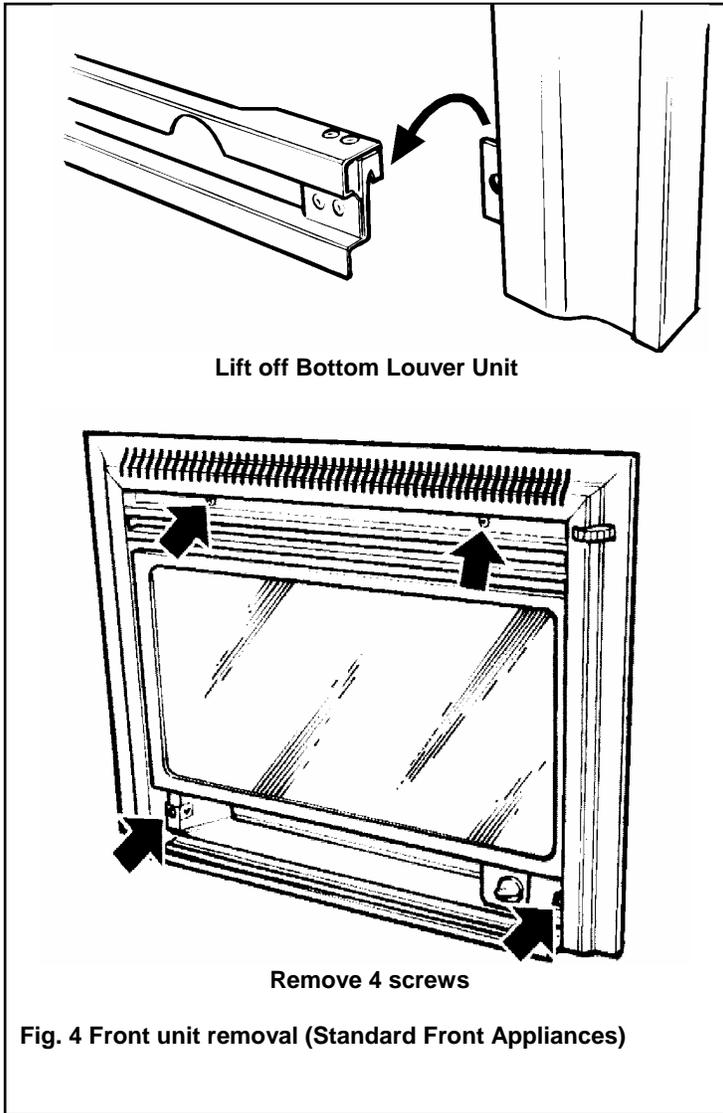


Fig. 3 Window removal (Shown with Standard Front Frame)

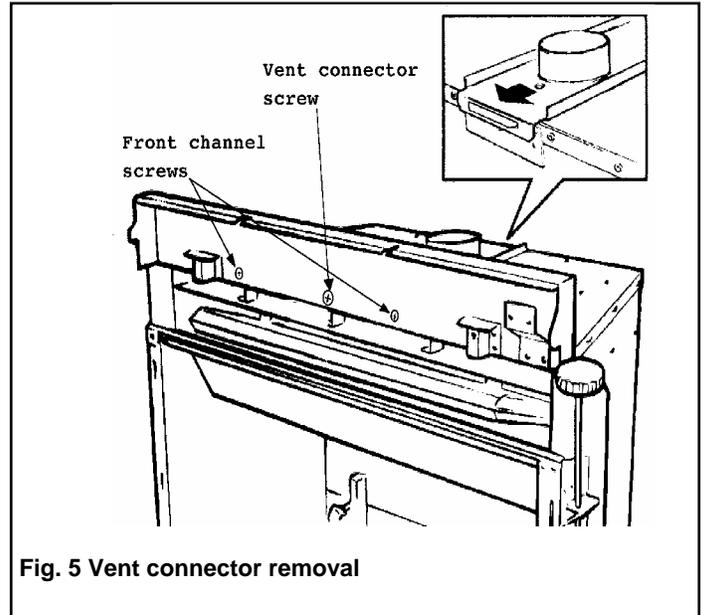
**5.1.4 Appliances with Standard Front
Remove the Front Frame (See fig. 4)**

Lift off the bottom louver unit. Detach the front frame by unscrewing two screws at the top and one screw near the bottom corners each side.



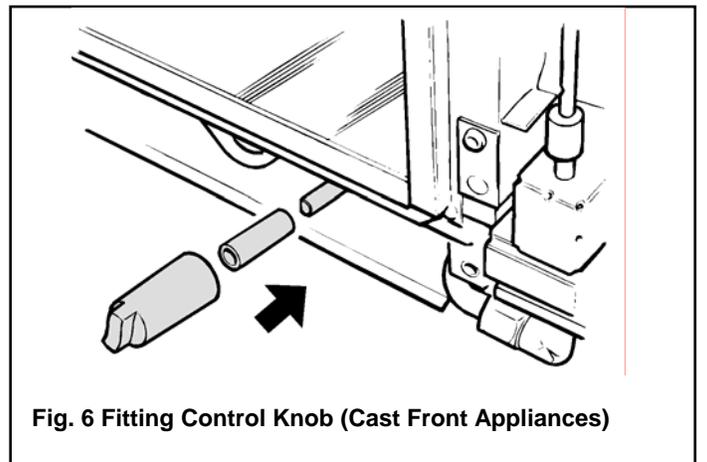
5.1.5 Remove the Vent Connection Unit

Detach the top front channel by removing two screws and lifting clear. Detach the vent connection unit from the top of the appliance case by removing the screw at front. Slide the vent connection unit back and lift clear (see fig.5).



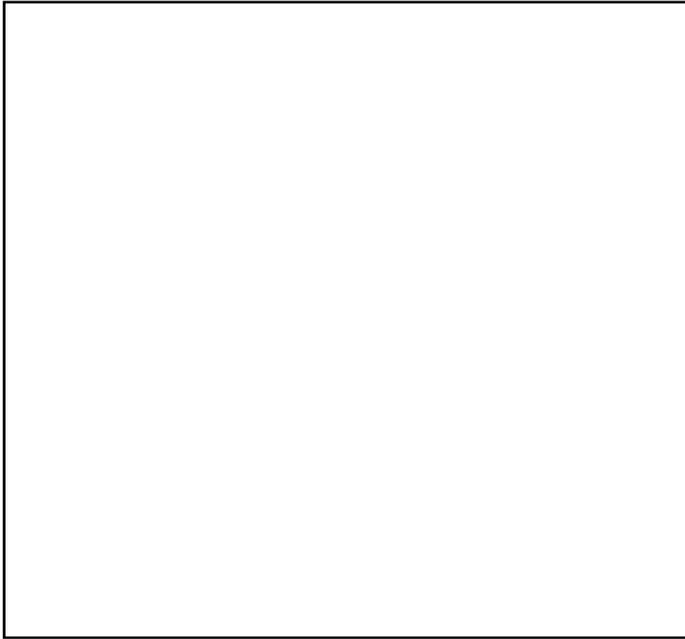
**5.1.6 Appliances with Cast Front
Fit the Gas Control Knob**

Place the spacer tube over the control valve shaft. Fit the control knob over the shaft pushing it firmly on as far as it will go (see fig. 6).



5.1.7 Check Ignition Electrode Spark

Pilot ignition is by a spark produced when the control knob is pushed in and turned counter-clockwise to the (Ignition) position. Check that two consecutive sparks are produced at the pilot burner. If there is no spark, check that the wiring is secure. Replace parts if necessary (see fig.7).



5.1.8 Check gas supply line routing

Openings for the gas supply line are provided at the back and left side of the appliance case (see figure 2). The appliance is supplied with a plate covering the back opening. The opening at the left side is uncovered as supplied. If the supply line is to enter through the back, remove the plate and refit to the side opening.

5.1.9 Fit front log support plate

Fit the support plate using the two thread cutting screws supplied - See figure 8.

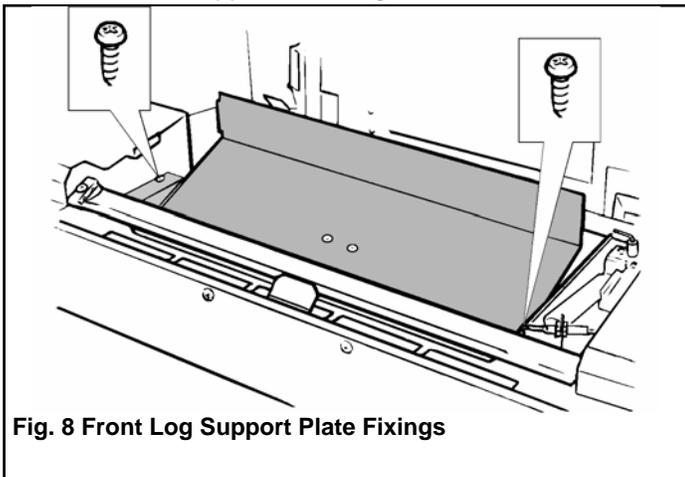


Fig. 8 Front Log Support Plate Fixings

5.2 INSTALL TO FIREPLACE

5.2.1 Secure the collar on the vent connector unit to the 3" diameter chimney liner (Fig. 9).

5.2.2 Slide the fire unit into the fireplace making sure that the vent connection unit is above the appliance case. Leave the case front a few inches clear of the fireplace front to allow you to fix the vent connector to the top of the case.

5.2.3 Pull the vent connector towards the front of the fireplace and locate the rear slot in the plate on the lip at top rear of the appliance case. Fix the front of the vent connector plate to the appliance case top using the screw previously removed (Fig.9).

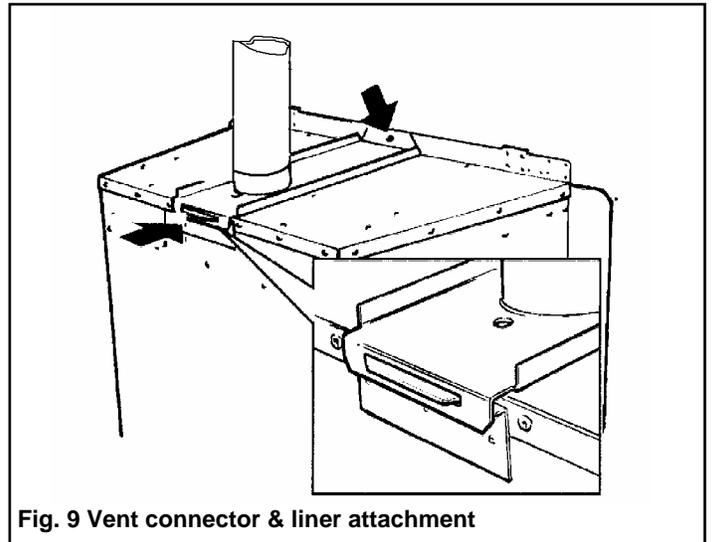


Fig. 9 Vent connector & liner attachment

5.2.4 Replace the top front channel and fix with the two screws previously removed.

Push the appliance fully home against the front face of the fireplace. Make sure that no sags or dips occur in the liner.

5.3 INSTALLATION OF GAS SUPPLY

5.3.1 A 3/8" NPT elbow connector is supplied for connecting the supply line to the appliance inlet pipe.

5.3.2 Use only new black iron or steel pipes or copper tubing if acceptable. Check local codes. **Note:** In USA copper tubing must be internally tinned for protection against sulfur compounds. Unions in gas lines should be of ground joint type.

The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure. Sealants used for natural gas models as well as propane versions must be resistant to the action of all gas constituents including L.P. gas.

Sealants should be applied lightly to male threads to ensure excess sealant does not enter gas lines.

The supply line should include a manual shut-off valve and union in the line to allow the appliance to be disconnected for servicing.

A plugged 1/8" NPT tapping must be installed in the line. The tapping must be accessible for test gauge connection and be immediately upstream of the gas supply connection to the appliance.

All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

When testing for leaks:-

- a. Make sure that the appliance control knob is at the OFF position.
- b. Open the manual shut-off valve.
- c. Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.
NEVER USE AN OPEN FLAME TO CHECK FOR LEAKS.
- d. Correct any leak detected immediately.

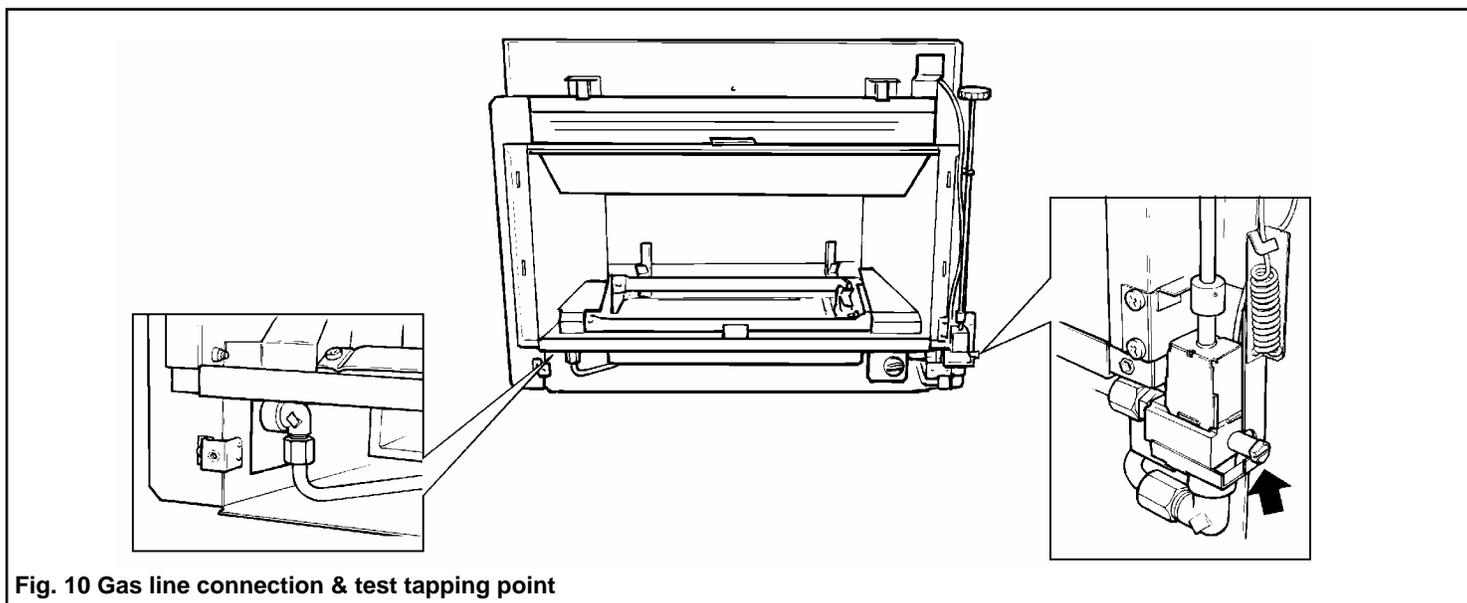


Fig. 10 Gas line connection & test tapping point

5.4 ASSEMBLE FUEL BED

5.4.1 Install the ceramic rear wall at the back of the firebox (see fig.11). The wall has "BASE" embossed at the bottom. Make sure that the wall is behind the metal channel at top of the firebox

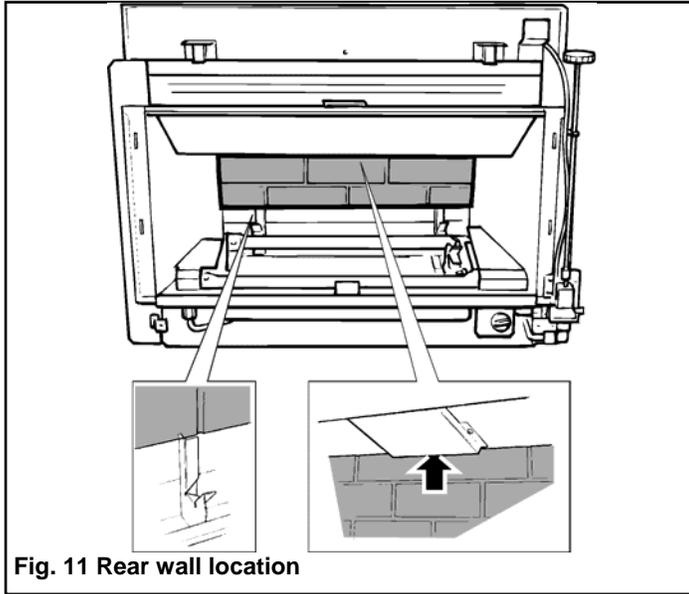


Fig. 11 Rear wall location

5.4.2 Install the ceramic side walls. The side walls are left and right handed. Rest the bottom edges of the side walls on the firebox side supports. Locate the top edges of the side walls in the gaps between the edges of the top heat baffle and the firebox sides. Slide the side walls fully back to touch the rear wall (fig. 12).

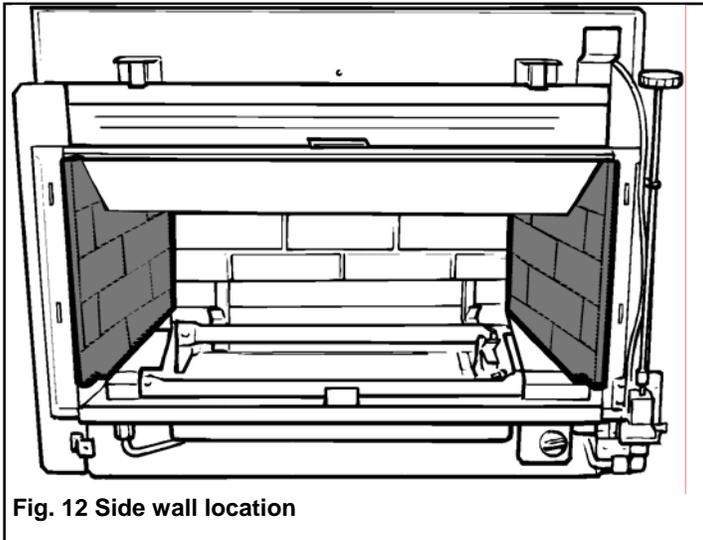


Fig. 12 Side wall location

5.4.3 Install the rear log in the two supports at rear of the firebox. Make sure that the log is fully located in the "V" forms of the supports (fig. 13).

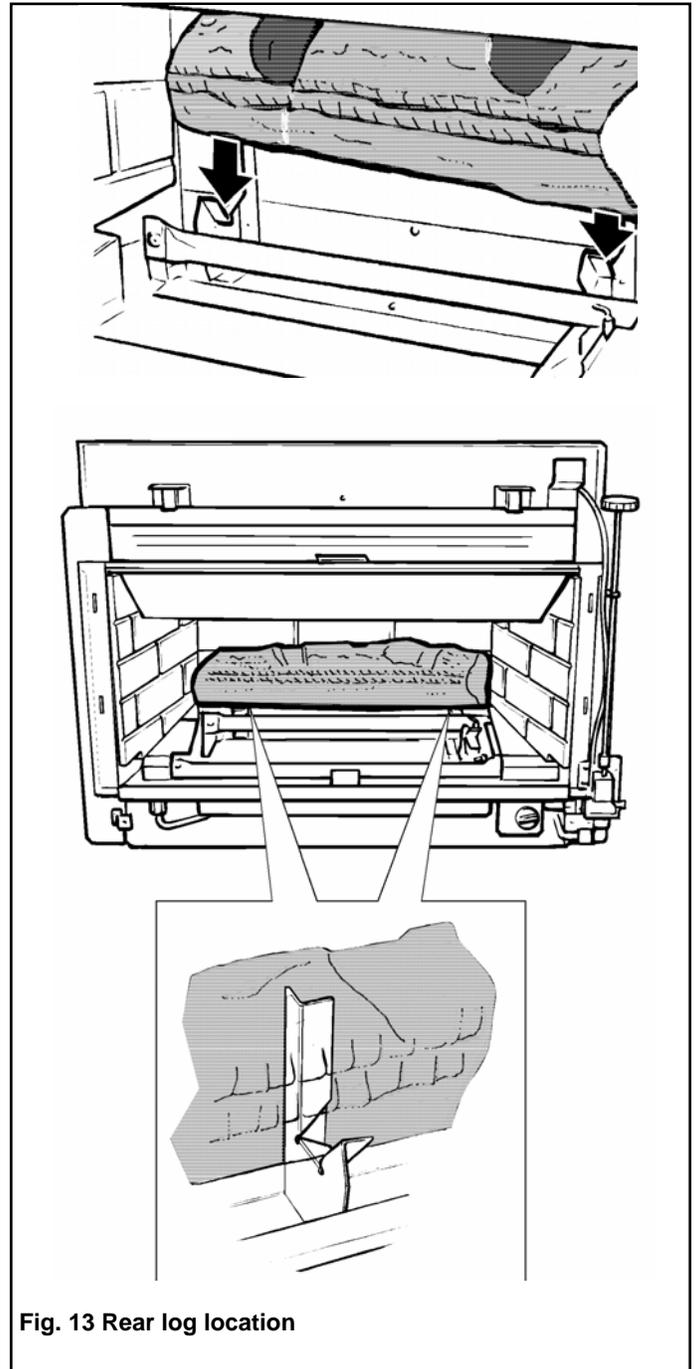


Fig. 13 Rear log location

5.4.4 Install the front base bricks. (The right hand brick has a small notch). Place the bricks on the firebox front ledge with the front face of the bricks behind the lip at front of the ledge. Their inner ends should rest on the center angled support and their outside ends should be under the cut-outs at the front of the side walls (fig. 14).

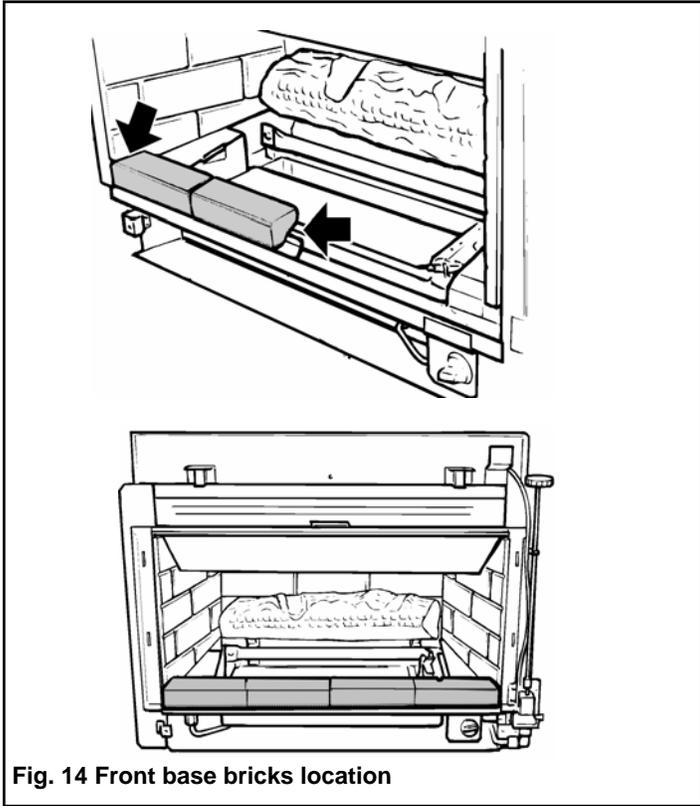


Fig. 14 Front base bricks location

5.4.5 Install the side base bricks. These bricks are left and right handed. Place the side base bricks on the firebox side supports. The recess in the inside edge of each brick should locate behind the vertical metal edge of the each side support (fig. 15).

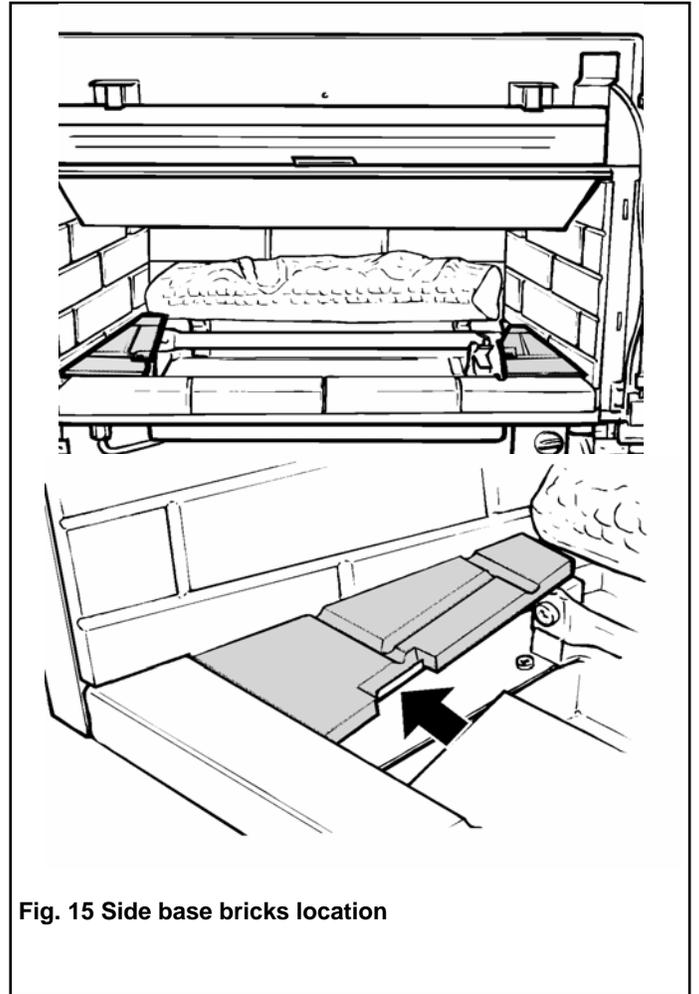


Fig. 15 Side base bricks location

5.4.6 Install the front log. *Be careful not to break the pegs projecting from the log.*

The front edge of the log should rest behind the vertical metal edge of the firebox base which is behind the front base bricks and front burner tube. Be aware that there should be a gap between the right side of the front log and the right side base brick. There should be no gap at the left side (fig 16).

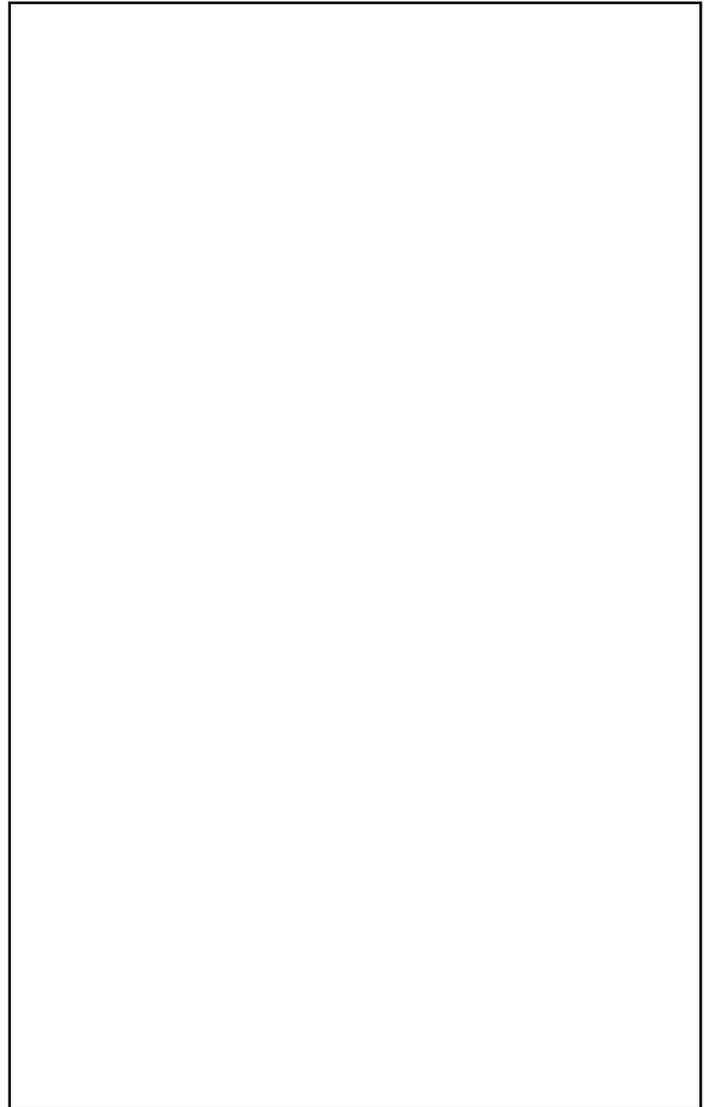


Fig. 16 Front log location

5.4.7 Install the left cross log (fig. 17).

The underside of the log is marked "L" (for left) and "F" (for front).

Place the cross log so that the left side peg projecting from the front log is inserted into the hole in the cross log and with the rear of the cross log resting in the channel in the rear log. *Be careful not to break the peg projecting from the log.*



- 5.4.8** Install the right cross log (fig. 18). The underside of the log is marked "R" (for right) and "F" (for front). Place the cross log so that the right side peg projecting from the front log is inserted into the hole in the cross log and with the rear of the cross log resting on the flat area of the rear log. *Be careful not to break the peg projecting from the log.* The left branch of this cross log should rest on top of the other cross log.

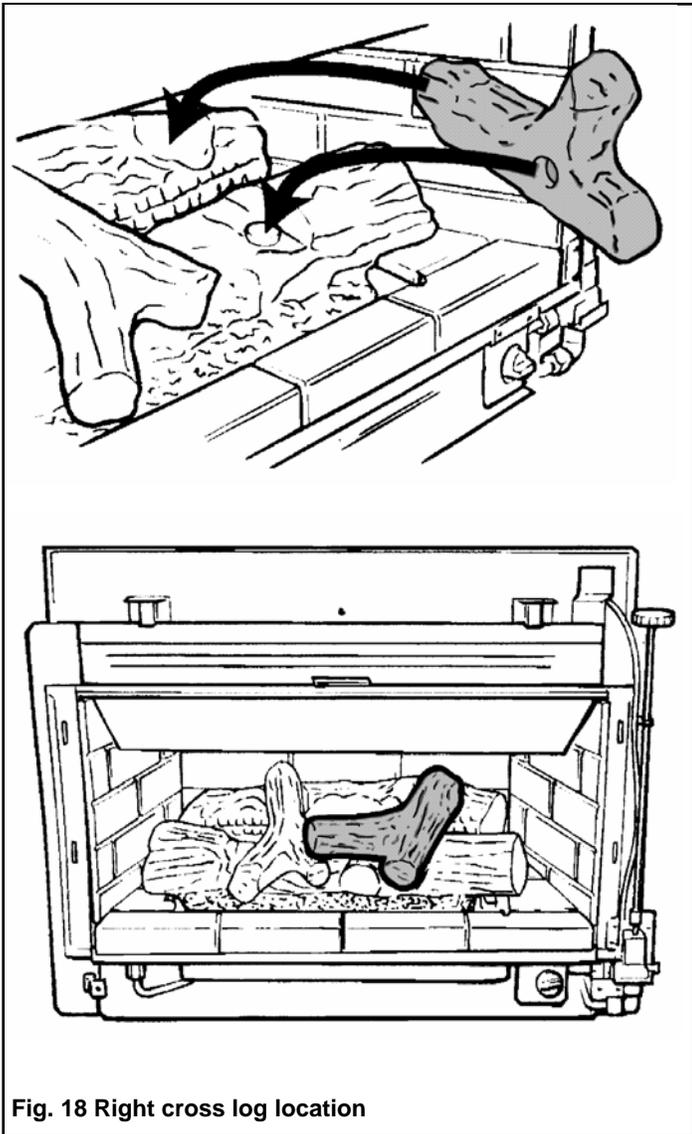


Fig. 18 Right cross log location

5.5 REFIT THE WINDOW

- 5.5.1** Hook the top of the window frame over the firebox top front edge.
- 5.5.2** Secure the window unit in place by refitting two screws at the bottom corners of the unit.

5.6 CHECK OPERATION ON CONTROLS

Check ignition, valve control and thermostat settings as described in the lighting instructions section further on in this manual.

5.7 CHECK SYSTEM PRESSURE

The appliance is pre-set to give the correct heat input with the gas for which it is designed. The burner manifold pressure is controlled by a built-in non-adjustable regulator. The gas supply pressure to the appliance inlet and the manifold pressure must be between the figures shown in section 1.4

The manifold pressure should be checked at the pressure test point which is located on the thermostat unit (see fig.10). The pressure check should be made with the appliance burning, the valve control set at "MAX" and the thermostat control turned to "HI".

Pressure testing supply line

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5kPa). 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 supply piping system at test pressures equal to or less than 1/2 psig (3.5kPa).

5.8 AERATION ADJUSTMENT (737CN & 737AN Only)

On natural gas appliances both front and rear burners are equipped with adjustable shutters to control primary aeration. The air holes are at the right side of the front and rear burner rails - See fig 19. The shutters can slide to the right to reduce the air supply or to the left to increase it.

The appliance is supplied with the shutters set to suit the vast majority of installations. No adjustment should usually be necessary. However, in certain installations (e.g. Low Btu value gas, high altitude) it may be necessary to adjust the shutter position of one or both of the burners to obtain the optimal visual effect.

Aeration is not adjustable on Propane appliances (Model #737AP)

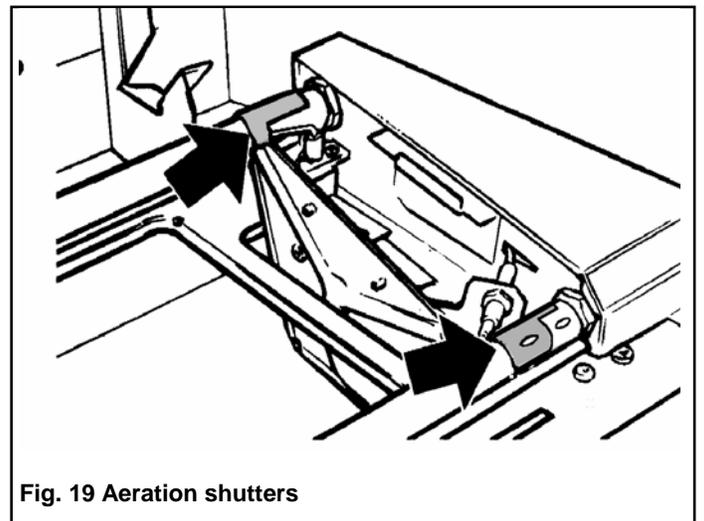


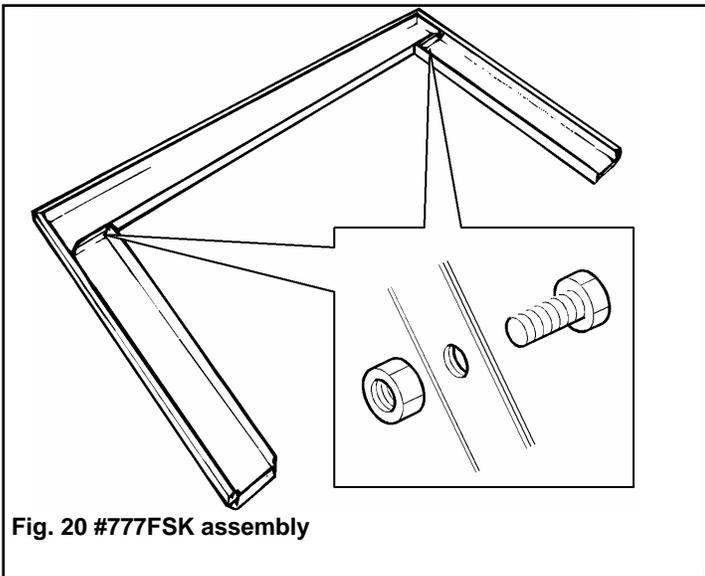
Fig. 19 Aeration shutters

5.9 INSTALL FACIA OUTER SURROUND TO FRONT FRAME

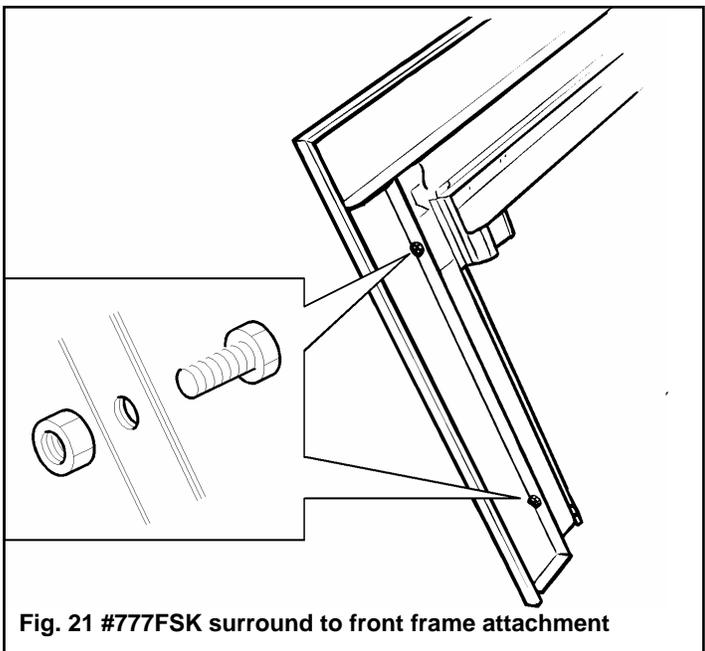
The outer surrounds are supplied disassembled. The top and side channels will have to be connected as described below.

5.9.1 With #777FSK 4" beveled trim

5.9.1.1 Assemble the two outer surround sides to the top cross piece using four nuts, screws and washers provided (fig. 20).

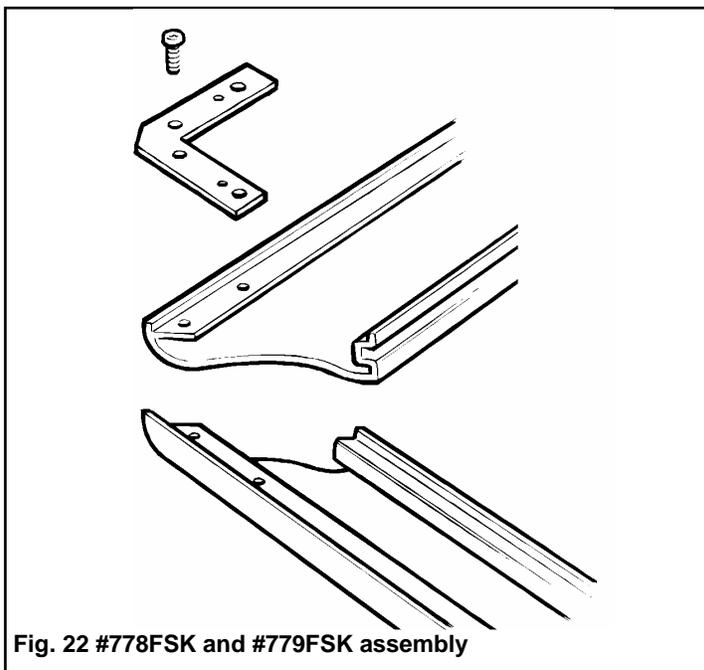


5.9.1.2 Attach the outer facia to the front frame with the four nuts, bolts and washers supplied (fig. 21).

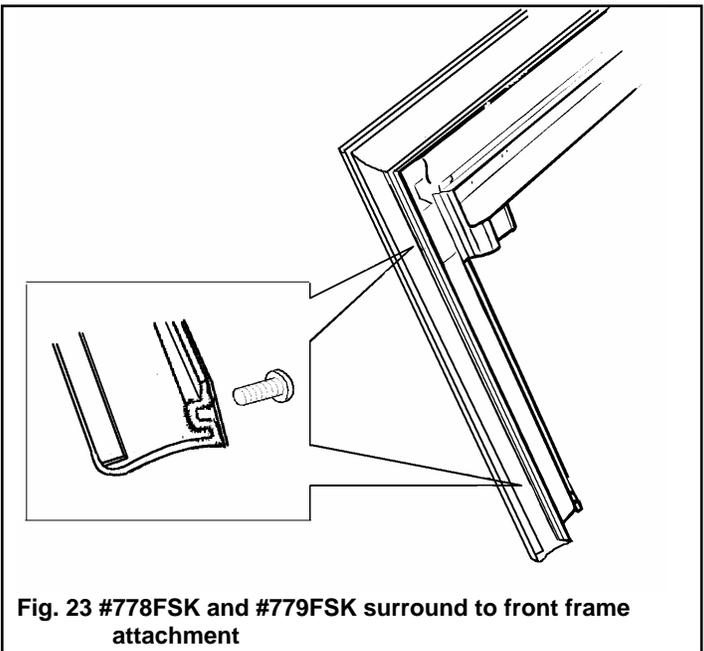


5.9.2 With #778FSK or #779FSK 2 1/2" contoured trim

5.9.2.1 Assemble the left and right side channels to the top channel using the corner fixing brackets and 8 thread cutting screws provided (fig.22).



5.9.2.1 Attach the outer facia to the front frame with 4 thread cutting screws provided (fig.23).



**5.10 APPLIANCES WITH STANDARD FRONT
INSTALL THE FRONT TO THE APPLIANCE**

5.10.1 Attach the front frame to the appliance with two screws previously removed at the top and one near the bottom corners each side (see fig. 24).

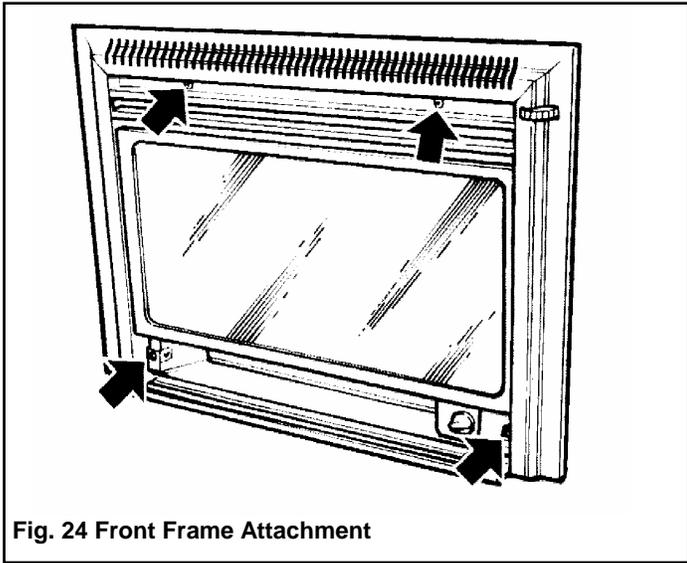


Fig. 24 Front Frame Attachment

5.10.2 Hook the bottom louver unit on to the brackets near the bottom of the frame sides (see fig. 25).
*Take care not to trap any wires or thermostat parts between the frame and appliance case.
Make sure that the thermostat control wheel is free to rotate in the opening in the frame side.*

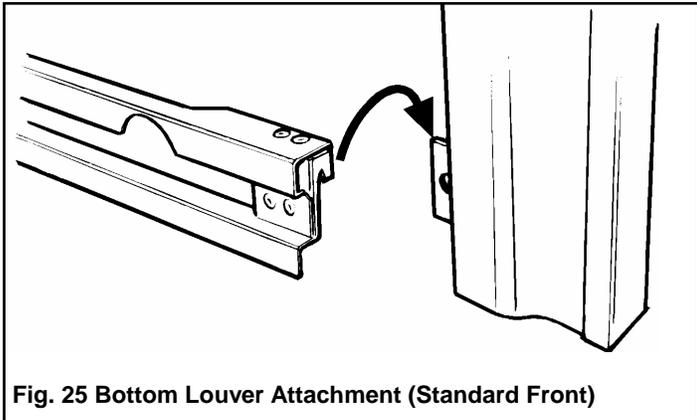
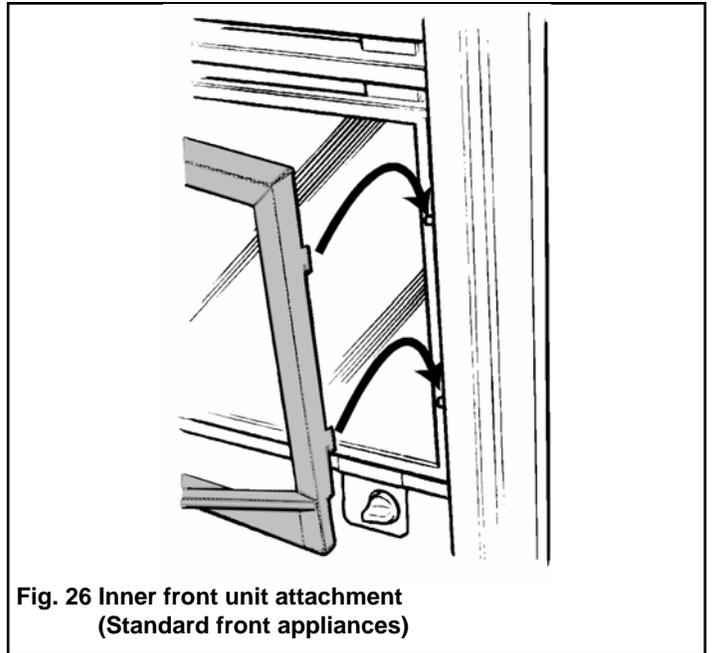


Fig. 25 Bottom Louver Attachment (Standard Front)

5.10.3 Locate the hooks on the inner front unit into the slots at each side of the fire box. Push the inner front fully downwards (fig. 26).



**Fig. 26 Inner front unit attachment
(Standard front appliances)**

5.11 APPLIANCES WITH CAST FRONT

5.11.1 Attach the front frame to the appliance with two screws at the top and one near the bottom corners each side (see fig. 24).

5.11.2 Attach the bottom front casting by hooking the two steel locators at back of the casting over the brackets at the bottom of the front frame sides (see fig. 27).

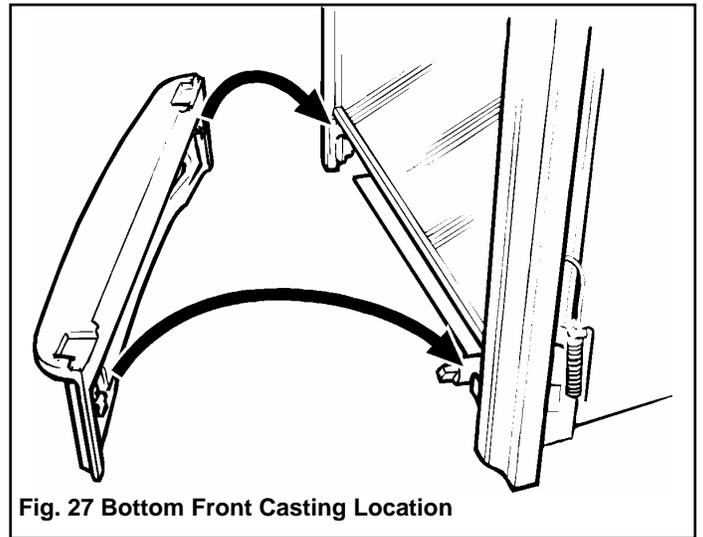
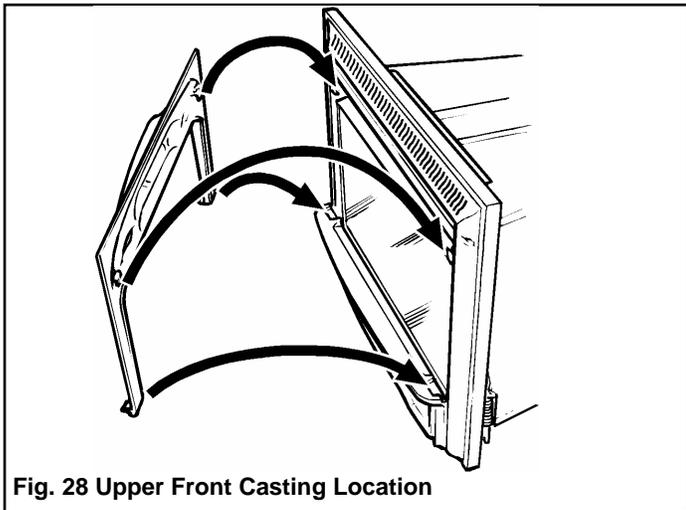


Fig. 27 Bottom Front Casting Location

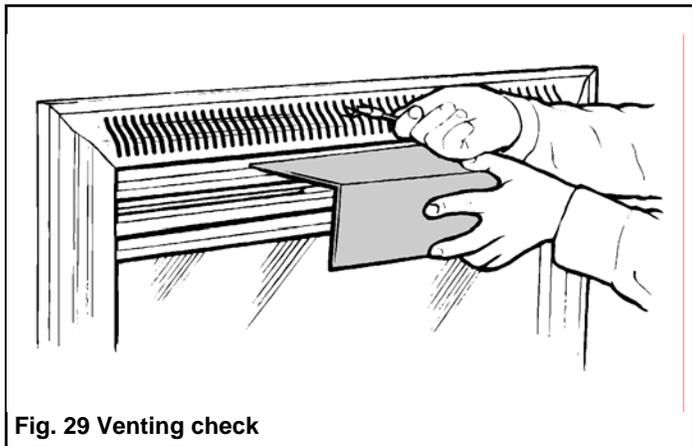
- 5.11.3 Rest the upper front casting on the bottom casting. Then slightly lift the upper casting and attach it to the appliance by hooking the two steel locators at back of the casting over the brackets inside the top corners of the front frame (see fig. 28).



5.12 CHECK VENTING EFFICIENCY

A check for correct venting of combustion products must be made before the installed appliance is left with the customer.

- 5.12.1 Ignite the pilot. Turn the main control valve to the fully on position marked z. Turn the thermostat wheel to "HI".
- 5.12.2 Leave for 15 minutes.
- 5.12.3 Using a piece of cardboard from the packaging or similar material, cut a section approximately 12" square.
- 5.12.4 Light a long match. Hold the piece of cardboard immediately below the slots at top of the front unit and near the center. This will prevent the convection air from interfering with the test. Insert the match into one of the slots near the center (Fig. 29). The installation is satisfactory if the smoke is drawn into the appliance.



- 5.12.5 If the smoke spills out of the slots, inspect the sealing at the vent connection unit.
- 5.12.6 If the sealing is satisfactory but the smoke still spills out, turn the appliance off and check the vent

system thoroughly for cause of lack of pull. If necessary get expert advice. **Do not let the appliance be operated without correct venting.**

5.13 FINAL CHECK

- 5.13.1 Recheck gas control and thermostat operation.
- 5.13.2 Instruct the owner how to operate the appliance.
- 5.13.3 Point out the location of the supply shut-off valve and how to close it.
- 5.13.4 Close the bottom hinged grill
- 5.13.5 Recommend that the appliance should be inspected and, if necessary serviced at least once a year.

6. OPERATING PROCEDURE

For full lighting instructions see next page.

The operating instructions are also on a chain at bottom of the appliance.

6.1 GENERAL OPERATING NOTES

6.1.1 For your safety this appliance is fitted with a flame supervision device which will shut off the gas supply if, for any reason, the pilot flames go out. This device incorporates a fixed probe which senses the heat from the pilot flame. If the probe is cool, the device will prevent any gas flow unless the gas control knob is kept pushed in between the ● (Off) and (Ignition) positions.

6.1.2 The Valor Comfostat™ Temperature control system

Conventional thermostats regulate the temperature by shutting the burners off when the temperature reaches its upper limit. This gives stop-go heat, unnaturally varying flames and impaired efficiency (like a car in city traffic). The Comfostat™ system controls the temperature by gradually lowering or raising the fire. This maintains room comfort by providing steadier heat and a more natural looking regulation of the flames.

The control wheel at the top right side controls the thermostat operating temperature. The room temperature will be maintained at the desired level for any setting up to just short of the "HI" position. The "HI" position is an override which will keep the fire fully on all the time and is not affected by room temperature.

6.1.3 When first turned on, the decorative flames will appear predominantly blue. After approximately 15 minutes the flames will turn yellow.

6.1.4 After approximately three hours use at the high control setting the fuel pieces will show areas of charcoal gray color as would real burning logs.

6.2 LIGHTING IF SPARK IGNITER FAILS

In the unlikely event of failure to create an ignition spark using the control knob, the appliance can be lit as follows:

6.2.1.1 *Appliances with Standard Front:* Remove the inner front unit by lifting its hooks clear of the supporting pegs (see fig. 26).

6.2.1.2 *Appliances with Cast Front:* Remove the top and bottom front castings by lifting them off their supporting brackets. See figures 27 and 28.

6.2.2 Remove the window unit (see fig. 3).

6.2.3 Insert a long burning match at the pilot.

6.2.4 Operate the controls as described in the lighting instructions.

6.2.5 Make sure that the pilot flame is stable.

6.2.6 Replace the window unit securely.

6.2.8 Replace the inner front (for standard front appliances) or castings (for cast front appliances).

6.3 CLEANING

6.3.1 Only clean when the appliance is cold.

6.3.2 Normally, the appliance should only need dusting. Any stains on the ceramic glass window can be removed with a non-abrasive cleaner. **Never use abrasive cleaners on the glass.**

6.3.3 Dust, etc. can be brushed from the ceramic logs, base bricks and side walls after detaching the inner front unit and window. If you are removing the ceramic parts, we suggest that they are removed in the reverse order to that shown in the fuel bed assembly section of this manual (Section 5.4).

Dust etc. can also be removed from the burners using a soft brush after removing the logs. When cleaning the burners also check the aeration holes (see fig.19) and brush clean if necessary. Make sure that no particles are brushed into the burner tubes.

6.3.4 Coloring of the interior of the metal fire box with use is normal. Do not try to remove the color with abrasive materials.

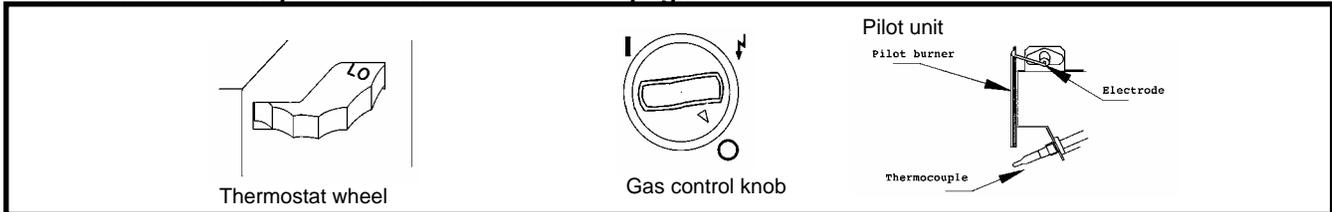
FOR YOUR SAFETY READ BEFORE LIGHTING

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 neighbor'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 and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above on this page.



2. Set the thermostat to its lowest setting ("LO").
3. Turn the gas control knob clockwise  to **0** (off).
Note: Knob cannot be turned from  (ignition) to **0** (off) unless it is pushed in partially. Do not force.
4. Wait five (5) minutes to clear out any gas. If you then smell any gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to next step.
5. Find the pilot. It is at the right side of the firebox.
6. Push in and turn the gas control knob counter-clockwise  until resistance is felt just before the  (ignition) position.
7. Keep pushed in for a few seconds to allow gas to flow then, keeping knob depressed, turn to  to light pilot. Hold knob in for a further 5 seconds then release. The knob should pop back out. The pilot should remain lit. If pilot goes out repeat steps 3 through 7. If pilot does not light at all during a few attempts, try lighting with a long match as described below.
 - If knob does not pop out when released, stop and immediately call your service technician or gas supplier.
 - If pilot lights but will not stay lit after several tries, turn the gas control knob to **0** (off) and call your service technician or gas supplier.
8. When pilot is lit, partially depress the knob and turn to **Y** (burners alight) position.
 - Do not leave knob set between  and **Y**.
9. Set thermostat to desired setting. 

Match lighting: Apply a long match to the pilot while control knob is pushed in and at the  position - See previous page for full details.

- Always replace the window unit after match lighting the pilot.
- The gas control knob should always pop out when released. If it does not, stop and immediately call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to lowest setting ("LO").
2. Push in control knob slightly and turn clockwise  to **0** (off). Do not force.

6.4 CHECKS

- 6.4.1** A periodic visual check of the pilot and burner flames should be made (see figs 30 and 31). Check after the furnace has been on for at least 30 minutes.
- 6.4.2** The appliance area must always be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

- 6.4.3** Keep the area in front at the bottom of the appliance clear. Obstructions will impede the flow of air to the appliance and cause incorrect combustion.
- 6.4.4** The flow of combustion and ventilation air must not be obstructed. The venting system should be examined by a qualified agency regularly. We suggest annually.

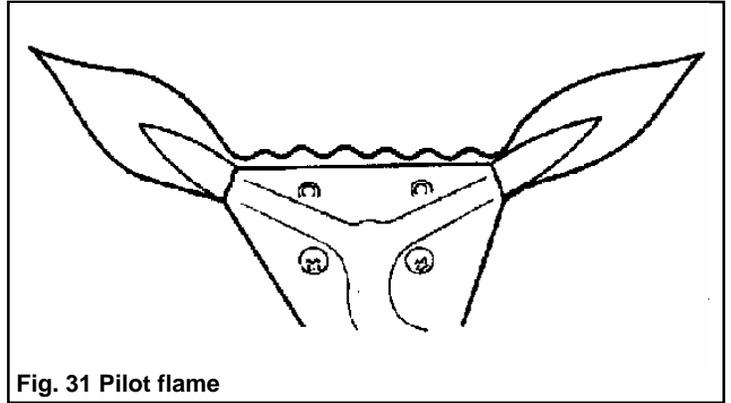


Fig. 31 Pilot flame

7. SERVICING

The repair parts are shown on the repair parts leaflet. Please always quote Part Number and description with requests for spares.

7.1 For Owner

If you require any attention to your appliance, contact your supplier quoting the model number. It is helpful if the appliance serial number is also quoted. This will be found on the appliance rating plate which is on a chained plate accessible when the bottom grill is open.

7.2 For Service Engineer

To aid servicing of the burner and manifold parts, the burner module can be removed as follows:

- 7.2.1.1 *Appliances with Standard Front:* Remove the inner front unit by lifting its hooks clear of the supporting pegs (see fig. 26).
- 7.2.1.2 *Appliances with Cast Front:* Remove the top and bottom front castings by lifting them off their supporting brackets. See figures 27 and 28.
- 7.2.2 Remove the window unit (see fig. 3).
- 7.2.3 Take all the ceramic parts out of the firebox and carefully store.

- 7.2.4 Remove the front frame as described in installation instructions section 5.1.4.
- 7.2.5 Disconnect the gas supply line elbow at the appliance inlet pipe union.
- 7.2.6 Disconnect the thermostat shaft from the thermostat (Fig. 32).
- 7.2.7 Detach the front log support plate by removing two screws (See fig. 8)
- 7.2.8 Detach the burner module by removing 7 screws (Fig. 33)
- 7.2.9 Carefully slide the burner module forward until just clear of the appliance case.
- 7.2.10 *Models 737AN & 737AP:* For most servicing operations, the vent shut off switch wires can remain attached to the burner module. If the burner module must be completely removed from the appliance area, loosen the thermocouple connector at back of the gas valve to detach the wires (Fig 34).
- 7.2.11 *Model 737AN & 737AP:* When refitting, Be sure to secure the shut off switch wires behind the thermostat bracket at the right side of the module (Fig.35).

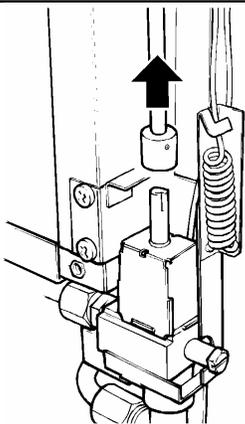


Fig. 32 Thermostat shaft disconnection

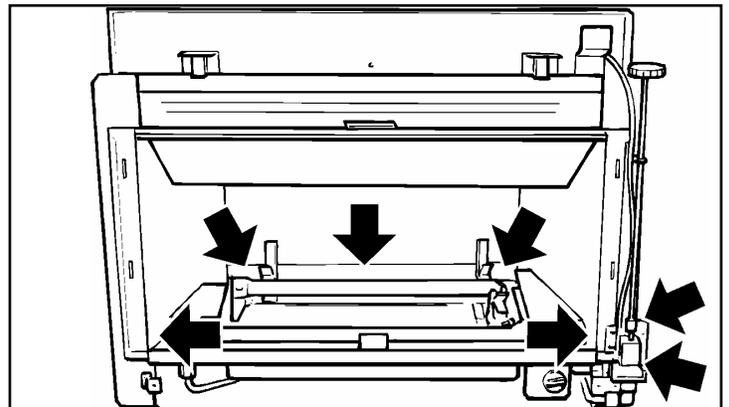


Fig. 33 Burner module disconnection points

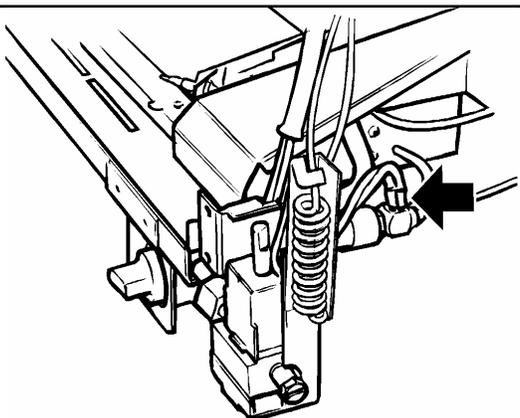


Fig. 34 Shut off switch wires connection (Models 737AN & 737AP)

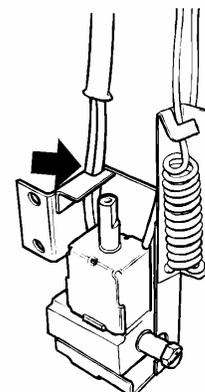
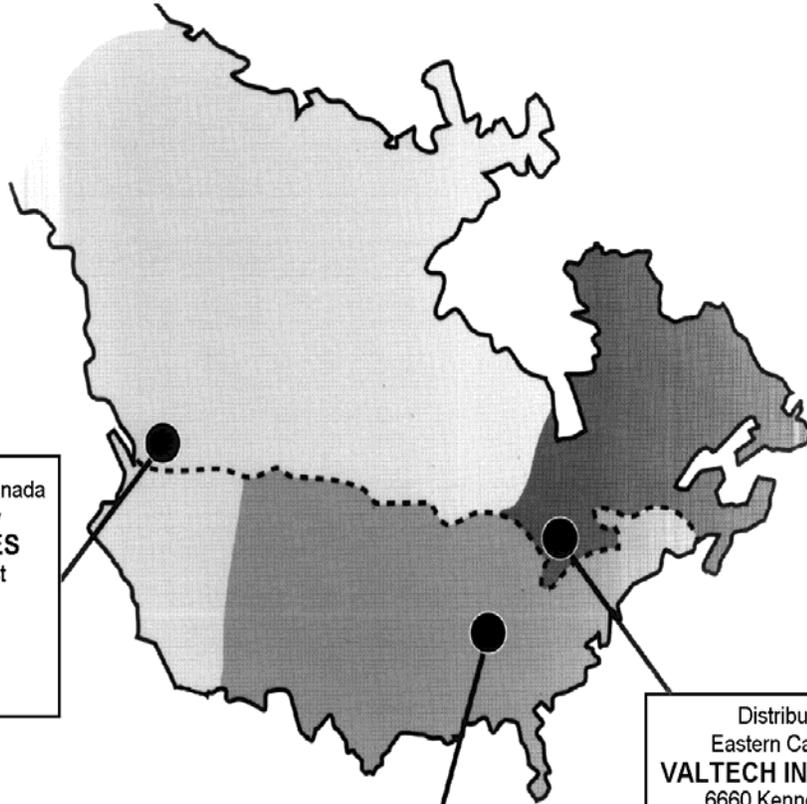


Fig. 35 Shut off wires location (Models 737AN & 737AP)

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