

WATERFORD

Fine Porcelain Enamel, Cast Iron Stoves from Ireland



EMERALD Gas Fireplace Insert

Owners &
Installation Manual



WARNING:

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

FOR YOUR SAFETY

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

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

FOR YOUR SAFETY

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.



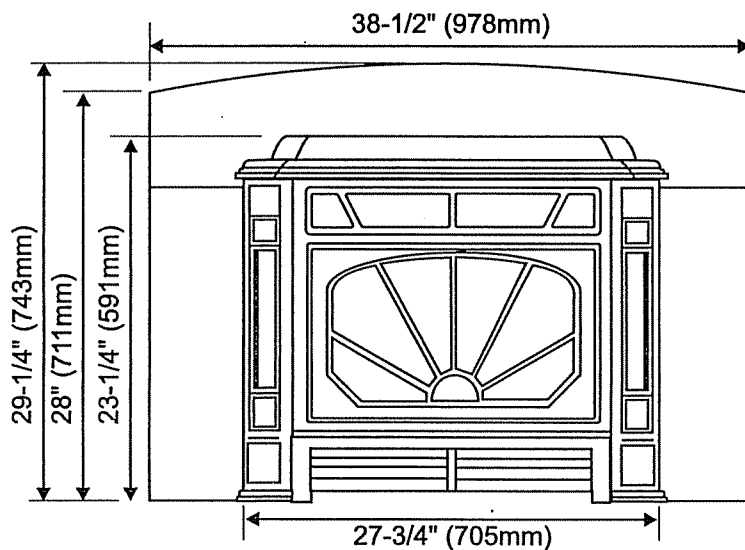
Installer: Please complete the details on the back cover and leave this manual with the homeowner.

Homeowner: Please keep these instructions for future reference.

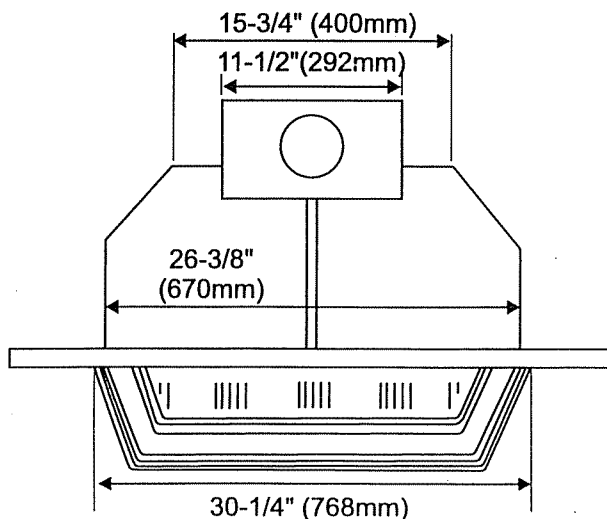
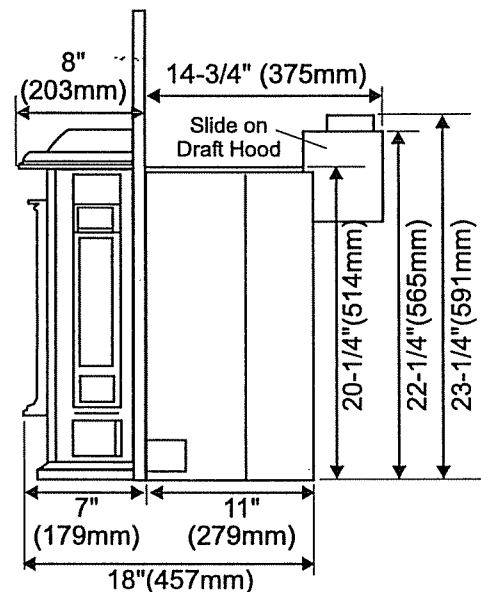
WATERFORD GAS FIREPLACE INSERT

TO THE NEW OWNER

Congratulations! You are the owner of a state-of-the-art Gas Insert by Waterford Irish Stoves. The Waterford Gas Fireplace Series of hand crafted appliances has been designed to provide you with all the warmth and charm of a fireplace, at the flick of a switch. This series has been approved by Warnock Hersey for both safety and efficiency. As it also bears our own mark, it promises to provide you with economy, comfort, and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Waterford Fireplace.



NOTE: Standard Shroud shown,
Oversize Shroud: 42-3/4" W x 30-3/4" H



Minor imperfections such as blisters, seeds or thin flaws visible in this product are not defects. These are inherent in the hand-crafted enamel process and cannot be avoided, and they substantiate that this is genuine porcelain enamel.

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SAFETY LABEL

This is a copy of the label that accompanies each Waterford Gas Insert. We have printed a copy of the contents here for your review. The safety label is located on the right side door panel.

NOTE: Waterford units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

| | | | |
|--|--|---|--|
|  WATERFORD | | DO NOT REMOVE OR COVER THIS LABEL / NE PAS ENLEVER CETTE ÉTIQUETTE | |
| Listed: GAS FIRED VENTED FIREPLACE INSERT HEATING APPLIANCE Model: EMERALD Tested to: ANSI Z21.11.1-1993, CAN1-2.1M89, CAN/CGA 2.17-M91 Report No. 12506-764 (Sept. 1995) | | Serial no. / No de serie <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">WH</div> | |
| Natural Gas  | Not for use with solid fuel. Ne doit pas être utilisé avec un combustible solide. For use with natural gas and propane. A conversion kit as supplied by the manufacturer, shall be used to convert this room heater to the alternate fuel. | NATURAL GAS Input Rating (Btu/h) 0-610m Maximum Output (Btu/h) 0-610m Min. Input Rating (Btu/h) 0-610m Orifice Size (DMS) 0-610m Input Rating (Btu/h) 610-1370m Orifice Size (DMS) 610-1370m Manifold Pressure, Low (in w.c./kPa) Minimum Inlet Pressure (in w.c./kPa) | Minimum Clearances to Combustibles / Degagement Minimum De Matériaux Combustibles Unit to Sidewalls 9"/230mm Top of Hob to mantel, unshielded 16"/406mm Top of Hob to mantel, shielded 12"/305mm |
| Propane  | Pour utilisation avec le gaz naturel et le propane. Une trousse de conversion fournie par le fabricant doit être utilisée pour passer d'un combustible à l'autre. | PROPANE 40,000 29,500 26,000 40/46 36,100 41/47 3,8/0.94 1,7/0.4 5,0/1.25 | Floor Protector A floor protector consisting of one layer of 1/2" thick WonderBoard®, Durock®, or equivalent extending at least 9" in front of the face of the unit and the full width of the front surface is required. |
| This appliance is factory equipped only for altitudes 0-2000 ft. (0-610m). Cet appareil est équipé pour des altitudes comprises entre 0-610m seulement. | | This room heater needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air. | |
| This appliance must be installed in accordance with local codes, if any; if not, follow the current ANSI Z223.1 or CAN 1-B149. | | Par mesure de sécurité, ce radiateur requiert de l'air frais et doit être installé de façon à assurer un approvisionnement suffisant d'air de combustion et de ventilation. | |
| Ce radiateur doit être installé conformément aux exigences des codes locaux. S'il n'existe aucun code local, se conformer à la norme CAN 1-B149 en vigueur. | | This appliance must be properly connected to a venting system in accordance with manufacturer's installation instructions. If removed, follow installation instructions for proper reassembly and/or resealing. | |
| WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury, or loss of life. Refer to the owner's information manual provided with this appliance. Installation and service must be performed by qualified installer, service agency or the gas supplier. | | Cet appareil doit être correctement raccordé au un système d'évacuation, en accord avec les instructions du manufacturier. Si déconnecté suivre les instructions d'installations pour réinstaller et sceller correctement. | |
| AVERTISSEMENT: Installation, modification de réglage, entretien et dépannage non appropriés risquent de causer des dommages matériels, des accidents ou des blessures corporels. Veuillez vous référer au manuel du propriétaire fourni avec cet appareil. Pour toute assistance ou information supplémentaire, veuillez consulter un installateur ou un organisme de dépannage autorisés ou votre compagnie gazière. | | This heater is equipped with a vent safety shutoff system. WARNING: Operation of this heater when not connected to a properly installed and maintained venting system or tampering with the vent safety shutoff system can result in carbon monoxide (CO) poisoning and possible death. | |
| Made in Canada / Fabrique au Canada | | Electrical Rating: 120 Volts 60 Hz 1.2 Ampere 908-161 05/99 | |

IMPORTANT: SAVE THESE INSTRUCTIONS

The Waterford Gas Fireplace must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the building authority having jurisdiction to determine the need for a permit prior to starting the installation.

Note: *Failure to follow these instructions could cause a malfunction of the heater which could result in death, serious bodily injury, and/or property damage. Failure to follow these instructions may also void your fire insurance and/or warranty.*

FOR YOUR SAFETY

This appliance requires air for proper combustion. Always provide adequate combustion and ventilation air. Follow instructions and information in the current CAN/CGA B149 (in Canada) or the current National Fuel Gas Code ANSI Z223.1 (in the USA), regarding requirements for combustion and ventilation air.

GAS PIPE TESTING

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig. (3.45 kPa).

SPECIFICATIONS

| | |
|---------------------|---|
| Fuel: | Natural gas or Propane |
| Electrical: | 120V A.C. system. |
| Fan/Blower: | Variable speed, 125/75 CFM. |
| Log Sets: | Ceramic fiber, 4 per set. |
| Vent System: | Listed minimum 4" B-Vent or listed double thickness aluminium flex liner. |

ZERO CLEARANCE INSTALLATION

The WATERFORD Gas Inserts are **only approved for installation into the WATERFORD Gas Insert Zero Clearance Fireplace Kit, model # 31901.**

INSTALLATION INTO A FACTORY BUILT FIREPLACE

The WATERFORD Gas Inserts have been tested and approved to be vented into any approved Factory Built Fireplace that will allow the Insert to physically fit into the firebox. **If the factory built fireplace height is too low for your Insert, you may remove the smoke shelf, baffle plate, and damper plate from the factory built fireplace if removable without cutting or torching, as long as these items are saved and are re-installed in the event that the Insert is removed.**

BEFORE YOU START

Safe installation and operation of this appliance requires common sense, however, we are required by the Canadian Safety Standards and ANSI Standards to make you aware of the following:

General Safety Information

- 1) The appliance installation must conform with local codes or in the absence of local codes, with current CAN/CGA B149 (in Canada) or the current National Fuel Gas Code ANSI Z223.1. This appliance **MUST** be installed by a qualified gas fitter technician only.
- 2) **Installation and repair should be done by a qualified service person.**
- 3) 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 and free from excessive lint from carpeting and pet hair.
- 4) See general construction and assembly instructions. This appliance may only be installed in a vented, non-combustible fireplace. The appliance and vent should be enclosed when installed in or passing through a living area, where children may come in contact with it.
- 5) This appliance may be installed into bedrooms when used with a Listed Millivolt Thermostat. Some areas may have further requirements, check local codes before installation.
- 6) This unit is not approved for installation into a mobile home.
- 7) Always connect this fireplace to a chimney and vent to the outside of the building envelope. Never vent to another room or inside a building. Make sure that the vent is

INSTALLATION

properly sized and is of adequate height to provide the proper draft.

- 8) Inspect the venting system annually for blockage and any signs of deterioration.
- 9) Any safety glass removed for servicing must be replaced prior to operating the appliance.
- 10) To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.
- 11) Due to high temperatures, the appliance should be located out of high traffic areas and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperatures, especially the fireplace glass and gold trims, 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.
- 12) **WARNING: Failure to position the parts in accordance with the diagrams in this manual or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.**
- 13) **WARNING: Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shut-off system can result in carbon monoxide (CO) poisoning and possible death.**
- 14) This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.
- 2) Remove the unit from the pallet by removing the 2 bolts on the underside of the pallet. Replace the bolts as they can be as levellers for the Insert.
- 3) Make the gas connections and electrical connection for fan and vent spill switch. See page 8.
- 4) Install the flue or liner to the sliding draft hood. See page 9.
- 5) Install Venting, page 9. Slide the unit into the fireplace and level. Attach draft hood to the insert.
- 6) Test gas pressure, page 10. Check aeration, page 11.
- 7) Test for flue spillage, page 11.
- 8) Assemble and install the shroud. See page 12.
- 9) Install the logs and embers. See page 13.
- 10) Install Optional Remote Control, and Optional Wall Thermostat, if required. See page 14.
- 11) Explain controls to the homeowner.
- 12) **Final check:** Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly. This includes:
 - a) Clocking the appliance to ensure the correct firing rate.
 - b) Adjusting the primary air, if required, to ensure that the flame does not carbon. See page 11.
 - c) Ensuring that the appliance is venting correctly. See pages 9 to 11.

INSTALLATION CHECKLIST

The Waterford Gas Insert is installed as listed below.

- 1) Unit Location - check Clearances to Combustibles on page 7.



Levelling Bolts

MATERIALS REQUIRED

No electrical power supply is required for the gas control to operate. A 120 Volt AC power cord is hooked up to the fan switch and blower. Plug 3 wire cord into a suitable receptacle. **Do not cut the ground terminal off under any circumstances.**

When connected with 120 volts, the appliance must be electrically grounded in accordance with local codes, with a current version of CSA C22.1 (in Canada) or in the absence of local codes, with the National Electrical Code ANSI/NFPA 70-1987.

Note: *This unit is equipped with a heat sensor thermo-disc which will prevent the blower from operating until the unit reaches the correct temperature.*

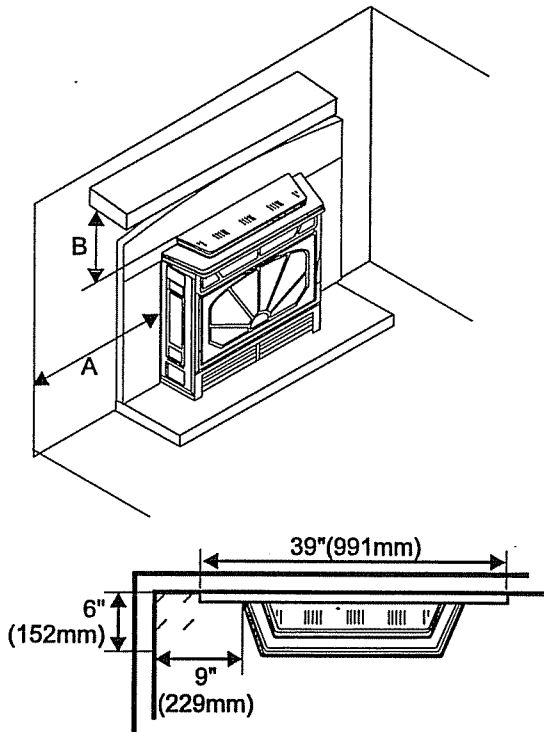
CLEARANCES TO COMBUSTIBLES

The following clearances to combustibles must be observed:

| | |
|----------------------------|----------------|
| | From Unit |
| Sides | A 9" / 229 mm |
| Unit to Unprotected Mantel | B 16" / 406 mm |
| Unit to Protected Mantel | C 12" / 305 mm |

In addition to these clearances, adequate accessibility clearance for servicing and proper operation must be maintained.

Do not in any way obstruct the combustion air inlets that are located on the front of the heater.



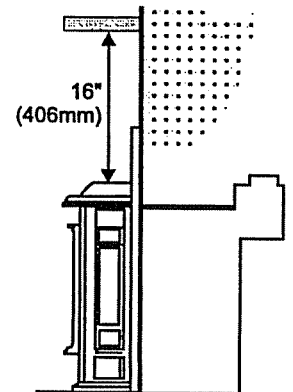
Combustibles are permitted within the shaded area, on either side.

Floor Protection

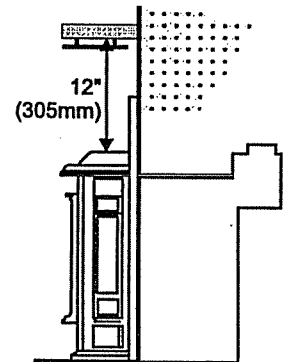
An approved floor protector is required consisting of a layer of 1/2" (13mm) Wonderboard (or Durock or equivalent) that extends 9" (229mm) in front of the fireplace measured at the base (this equals 16" from the fireplace opening), and as wide as the appliance.

Note: If the appliance is installed in a fireplace that is elevated 5" (127mm) or higher (i.e., a Waterford Zero Clearance Cabinet, zero clearance fireplace, brick plinth, etc.), no floor protection is required in front of the appliance.

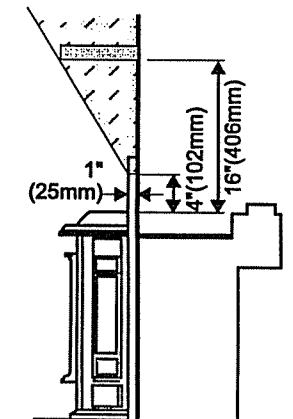
Clearance from top of hob to mantel and combustible trim, unshielded.



Clearance from top of hob to mantel and combustible trim, shielded.

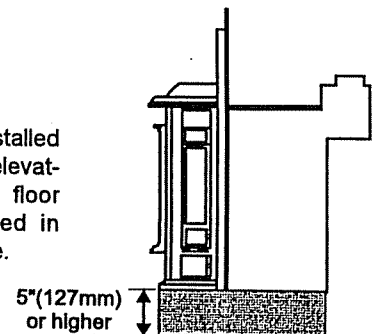


Mantel shield must have a 1" (25mm) air space between the mantel and shield and a 1" (25mm) gap between on the back of the shield and the facing.



Combustibles are permitted within the shaded area.

When the Insert is installed in a fireplace that is elevated 5" or higher, no floor protection is required in front of the appliance.



INSTALLATION

GAS CONNECTION

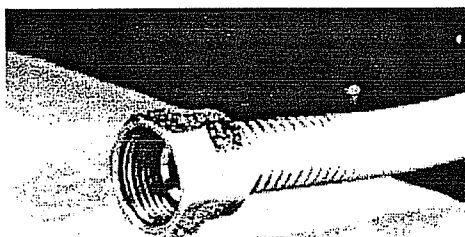
The Emerald Insert is factory equipped to burn Natural Gas, if necessary the unit can be converted to burn Propane by using Conversion Kit # W310969. For minimum and maximum supply pressure see the System Data table on this page.

Note: Prior to any pressure testing of the gas supply piping system that exceeds test pressures of 1/2 psig, this appliance and its individual shut-off valve must be disconnected from the piping system. If test pressures equal to or less than 1/2 psig are used then this appliance must be isolated from the piping system by closing its individual manual shut-off valve during the testing.

GAS CONNECTION WARNING:

Only persons licensed to work with gas piping may make the necessary gas connections to this appliance.

- 1) The gas inlet is located on the end of the flexible pipe that emerges from the lower left rear corner of the unit. The inlet fitting is a 1/2" female flare.



A separate gas shut-off valve and a 1/8" IPS plugged tapping should be installed immediately upstream of the connection to the appliance.

- 2) The gas inlet is located on the end of the flexible pipe that emerges from the lower left rear corner of the unit. The inlet fitting is a 1/2" female flare.

A separate gas shut-off valve and a 1/8" IPS plugged tapping should be installed immediately upstream of the connection to the appliance.

- 3) Locate the center point where the vent will pass through the chimney above the appliance. Move the appliance into the exact location where it is to be installed. Ensure that the Insert is level.
- 4) The gas control valve is provided with two "IN" and "OUT" pressure taps, and are easily accessible for a test gauge connection (see diagram on page 10).
- 5) Once the gas has been connected ensure that the pilot valve is in line with burner.

CAUTION: If the door is removed or opened for servicing, it must be replaced and closed prior to operating the appliance. The glass must be fixed in the door when operating.

| Recommended Gas Pipe Diameter | | | | |
|-------------------------------|-------------------------------------|---------------|------------------------------------|---------------|
| Pipe Length (Feet) | Schedule 40 Pipe Inside Diameter | | Tubing, Type L Outside Diameter | |
| | NG | LP | NG | LP |
| 0 - 10 | 1/2" 1.3cm | 3/8" 1.0cm | 1/2" 1.3cm | 3/8" 1.0cm |
| 10 - 40 | 1/2" 1.3cm | 1/2" 1.3cm | 5/8" 1.6cm | 1/2" 1.3cm |
| 40 - 100 | 1/2" 1.3cm | 1/2" 1.3cm | 3/4" 2.0cm | 1/2" 1.3cm |
| 100 - 150 | 3/4" 2.0cm | 1/2" 1.3cm | 7/8" 2.3cm | 3/4" 2.0cm |

Note: Never use plastic pipe. Check to confirm whether your local codes allow copper tubing or galvanized pipe.

System Data For 0 to 2000 feet altitude

Burner Inlet Orifice Sizes:

| | Natural Gas | Propane |
|----------------|-------------|---------|
| Burner - Front | #40 | #53 |
| - Rear | #46 | #56 |

| | |
|--------------------------|--------------|
| Max. Input - Natural Gas | 40,000 Btu/h |
| - Propane | 40,000 Btu/h |
| Min. Input - Natural Gas | 26,000 Btu/h |
| - Propane | 29,000 Btu/h |

Max. Output Capacity with blower On

| | |
|-------------|--------------|
| Natural Gas | 29,600 Btu/h |
| Propane | 29,500 Btu/h |

Supply Pressure: Nat. Gas min. 5" w.c. (1.25 kPa)
Propane min. 12" w.c. (3.0 kPa)

Manifold Pressure

| | |
|-------------|-------------------------------|
| Natural Gas | 3.8" +/- 0.2" w.c. (0.94 kPa) |
| Propane | 11" +/- 0.2" w.c. (2.7 kPa) |

System Data - HIGH ELEVATION For 2,000 - 4,500 feet altitude

Burner Inlet Orifice Sizes:

| | Natural Gas | Propane |
|----------------|-------------|---------|
| Burner - Front | #41 | #53 |
| - Rear | #47 | #57 |

| | |
|--------------------------|--------------|
| Max. Input - Natural Gas | 36,100 Btu/h |
| - Propane | 36,800 Btu/h |

HIGH ELEVATION

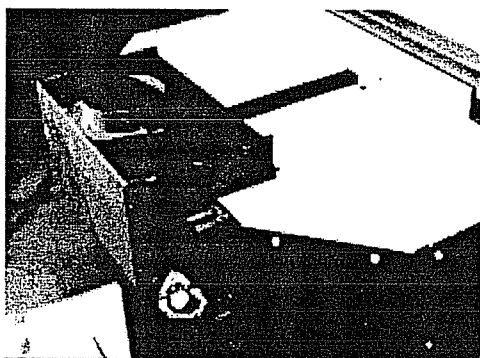
This unit is approved in Canada (CAN/CGA-2.17-M91) for altitudes to 2000 ft. (610m) using the factory -installed burner orifice. For installations from 2000 ft (610m) to 4500 ft (1370m) the orifice sizes (DMS) for the Natural Gas and Propane units must be changed. See the rating plate for details. For installations above 4500 ft. refer to current ANSI Z223.1 Sc8-8.1.2a appendix F or CAN/CGA-B149.1, for resizing orifice.

DRAFT HOOD CONNECTION

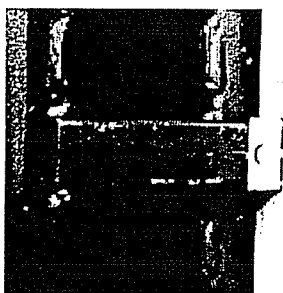
The Emerald Insert has its own integrated draft hood so that no additional connecting apparatus is required. While some fireplace openings may be large enough to connect the draft hood to the venting after the unit has been moved into its final position, many openings will be too small and will require that the draft hood be first connected to the venting, and then guided into position on the top of the Insert as the unit is pushed back into the fireplace.

- 1) Connect the Emerald's detachable draft hood to the end of the venting by sliding it inside the venting and secure it with 3 sheet metal screws.

Draft hood in position without venting attached.



- 2) Line up the draft hood's air tube with the corresponding air tube opening on the top of the Insert.
- 3) With assistance, push the Insert back into the fireplace, while at the same time pulling against the draft hood to coax it into position. Continue until the screw hole in the air tube is far enough forward that it lines up with the hole in the air tube retainer tab.
- 4) Fasten the air tube to the retainer tab with a sheet metal screw.



Note: Final gas connection should be after unit is in place to avoid damage to line when pushing the unit into position.

VENTING

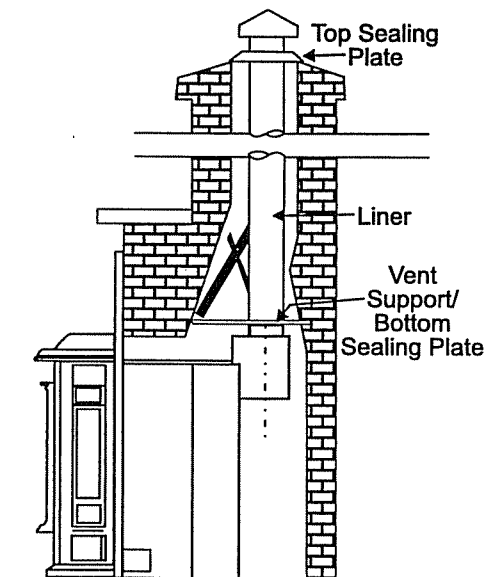
THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

Preliminary Steps to Prepare for the Installation of the Emerald Fireplace Insert

Remove the chimney cap if one exists so that the flue may be cleaned and the venting installed. Remove any existing hearth accessories or equipment such as glass doors, spark screens, andirons, and grates. Clean the chimney thoroughly to remove ash, soot, and any obstructions, and the clean ash, soot, dust, and debris from the fireplace.

The damper plate must be locked open to allow the 4" venting to pass through. If it is necessary to modify the damper area to allow passage of the venting, the modifications should be allowed under local codes. Confirm any planned changes with local building officials.

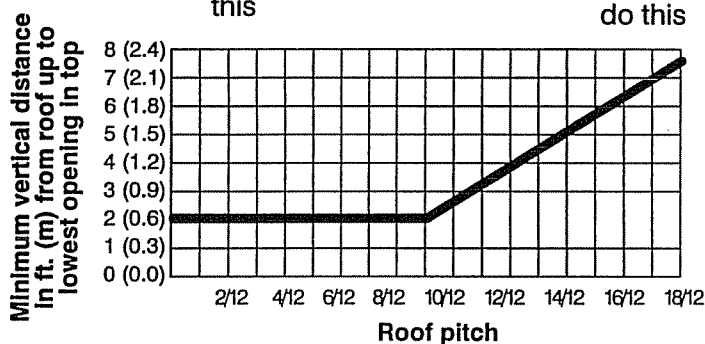
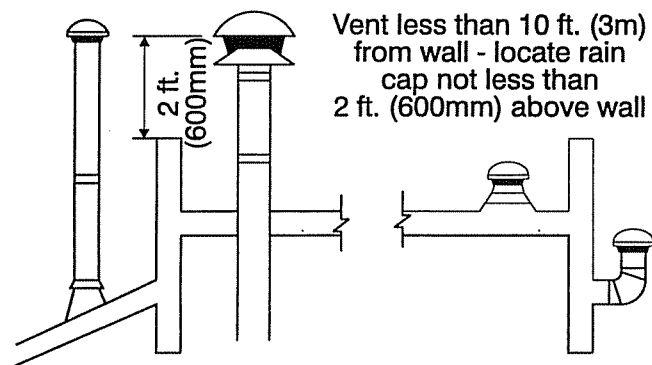
This appliance is tested and listed for connection to a 4" (100mm) diameter listed type B-Vent venting system. A dedicated B-Vent reline system is required from the outlet of the appliance to the top of the existing chimney system. A sealing plate around the B-Vent pipe must be installed at the bottom (smoke shelf) and top (termination) of the existing woodburning chimney (see diagram). This sealing plate is the ensure proper air flow patterns around the insert.



Observe local codes when venting the Emerald Insert. If no local codes exist, follow ANSI Z223.1 and CAN1-B149 installation codes. The venting manufacturer's installation instructions must be followed exactly.

INSTALLATION

A minimum flue height of 12 feet is recommended. B-Vent must be supported by a vent support - supplied by vent manufacturer. There must be at least 3 feet of chimney above the roof level. If the unit is installed to vent through an approved masonry chimney or a factory-built chimney system, a listed lining system approved for use with gas-fired appliances must be used.



IMPORTANT: Due to the high efficiency and low flue gas temperatures of this appliance, it is important that it be connected to a well-sealed and efficient venting system which is capable of registering a negative pressure while the stove is in operation. The most efficient venting systems are those that have a minimum number of bends and a minimal horizontal runs.

The Emerald gas heater is equipped with a thermally activated vent safety switch which will shut down the main burner if the heater is not properly venting. The safety switch will automatically reset after the heater has cooled down. The switch will continue to cycle off and on until the venting problem is corrected. IF you are unable to correct the venting problem, seek expert advice from your Waterford dealer or installer.

DO NOT DISCONNECT OR BYPASS THE VENT SAFETY SWITCH.

The Waterford Insert incorporates its own internal draft hood, so no additional external draft hood is required. The heater should be installed so that the draft hood is in the same atmospheric pressure zone as the air inlets to the heater. Periodically check that the vent is unrestricted and an adequate draft is present when the unit is in operation. (See page 11 for spillage test.)

COMBUSTION & VENTILATION AIR

WARNING: This appliance needs fresh air for safe operation and must be installed with provisions for adequate combustion and ventilation air available to the room in which it is to be operating.

Follow CAN/CGA B149 (in Canada) or ANSI Z223.1 (in the USA) requirements, and any local codes or regulations of the enforcing authority.

Air for combustion is drawn in through the front of the unit, therefore, the front of the unit must be kept clear of any obstructions.

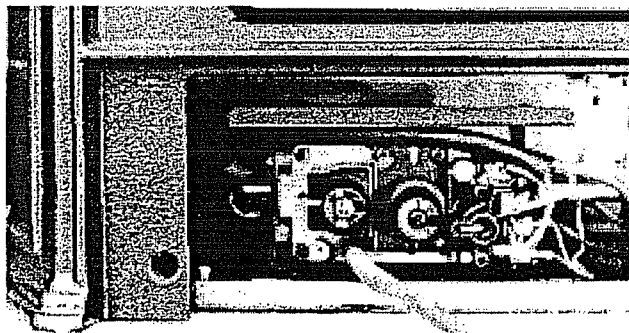
GAS PRESSURE TEST

The unit is preset to give the correct gas input at the specified manifold pressures shown on the label. The maximum gas manifold pressure is:

Natural Gas: 3.8" w.c.
Propane 11" w.c.

The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point. The pressure check should be carried out with the unit burning and the setting should be within the limits specified.

Note: Use the same manner to check the inlet pressure.

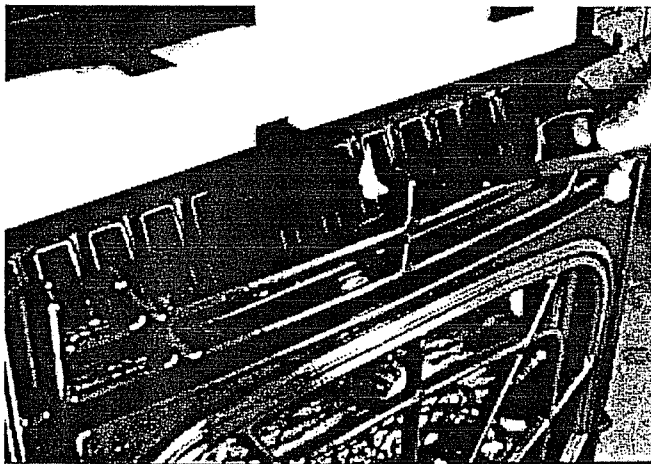


TEST FOR FLUE SPILLAGE

A "spillage" test must be made before the installed unit is left with the customer and at least annually. Follow the procedure below:

- 1) Start all exhaust fans in the home and then close all doors and windows in the room.
- 2) With the Hob removed, light the unit and set controls to maximum. Turn fan off.
- 3) After five minutes, test that there is a "pull" on the flue by placing a smoke match, cigarette or similar device which gives off smoke, in front of the flue spillage test tube located in the center of the unit above the front door. To ensure a valid test, place a scrap piece of sheet metal (or other non-combustible material) between the spill tube and the upper louver, this will prevent the natural convection of the unit from interfering with the test.

The smoke should be drawn into the spill tube, if it is not, leave the unit for a further five minutes and retest as above. If the smoke is still not drawn into the spill tube, turn the unit off and check for the cause of the lack of draft. If necessary, seek expert advice.



For wind turbulent sites, a wind cap may remedy the problem.

Note: *The thermally activated safety switch will sense the change in temperature and shut down the gas valve in the event of a severe downdraft of air or a blocked or disconnected vent. The switch acts as a safety shut-off to prevent a build up of carbon monoxide. If the flue is blocked or has no "draw", the switch will automatically shut off the supply of gas within 5 - 10 minutes. Tampering with the switch can result in carbon monoxide (CO) poisoning and possible death.*

If the heater turns off because of lack of draft during the spillage test, check for the cause and if necessary, seek expert advice.

The thermally actuated safety switch will automatically reset after it has reduced in temperature. The switch will continue to cycle until the draft problem is corrected. DO NOT BYPASS OR DISCONNECT THIS SWITCH.

AERATION SYSTEM

The burner aeration is factory set but may need adjusting due to either the local gas supply, air supply or altitude.

Natural Gas: 5/16" open
Propane: Fully open

- 1) Turn the heater off and allow it to cool.
- 2) Open the bottom door.
- 3) Using a long screwdriver, reach in and loosen the locking screw on the air shutters. There is a separate air shutter for each of the burners.
- 4) Open the air shutter for a blue flame or close it for a yellower flame.
- 5) Tighten the air shutter locking screw.
- 6) Restart the heater and let it burn for approximately 15 minutes. Repeat until the desired flame appearance is achieved.

This adjustment is performed by a qualified installer. The factory setting should be sufficient for most installations.

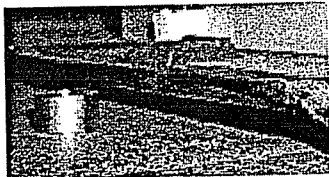
Caution: Carbon will be produced if the air shutter is closed too much.

Note: *Any damage due to carboning resulting from improperly setting the aeration controls is NOT covered under warranty.*

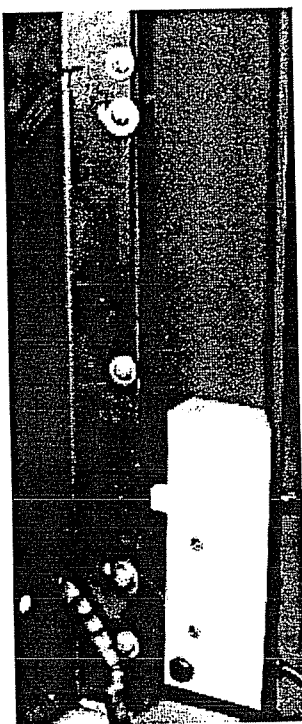
INSTALLATION

SHROUD INSTALLATION

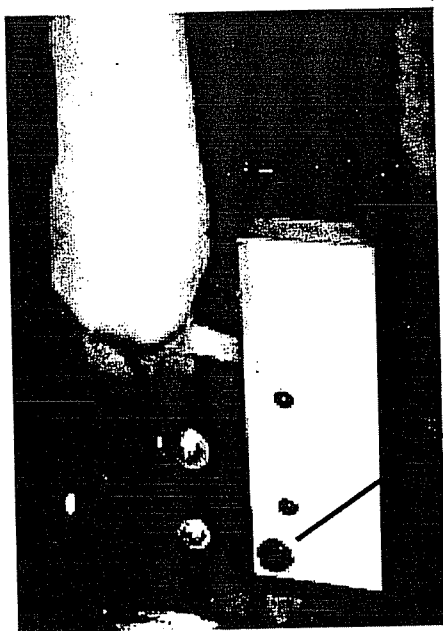
- 1) Attach the 2 side Surround Panels to the body. Each side panel attaches to the body with two screws per side (top and bottom) and use a washer and a 1/2" spacer with each screw.



Side panel with 1/2" spacer

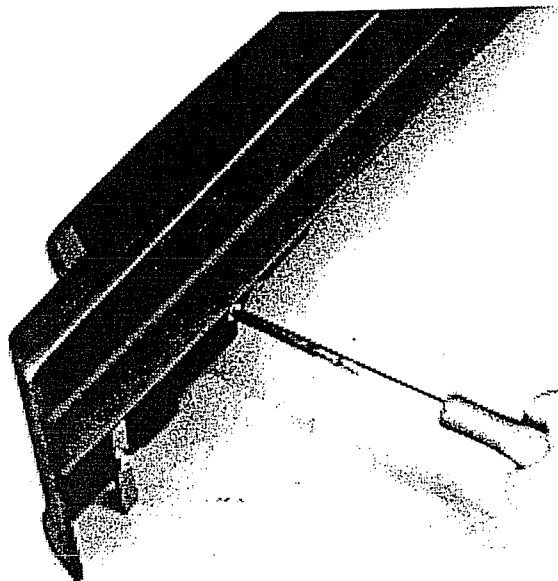


- 2) Plug the 'quick connect' electrical connection into the junction box. An alternative wire outlet is provided on the junction box so that the blower power cable can be routed out the back of the shroud if so desired.



Alternate wiring port

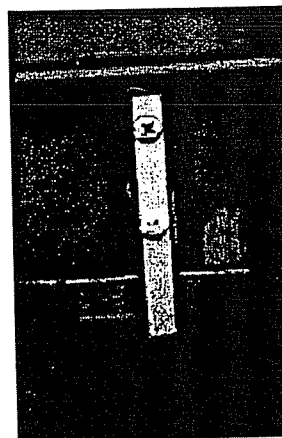
- 3) Connect the Hob to the Top Surround Panel. The Hob is attached with 2 bolts (with washers) on either side.



- 4) The Hob & Top Surround Panel will be placed in position as the last step of the installation. The flue spillage test and fitting the draft hood are more easily accomplished without the Hob & Top Surround Panel in position.

When ready to install the Hob & Top Surround Assembly, lower it down onto the top of the body. It is held in place by its own weight and the retaining brackets on each side.

Oversize Shroud Only: The 4 retaining brackets on the Top Surround must be removed and rotated 180° and replaced. The end of the bracket must extend beyond the bottom of the Top Surround.



Top Surround Panel Retaining Bracket

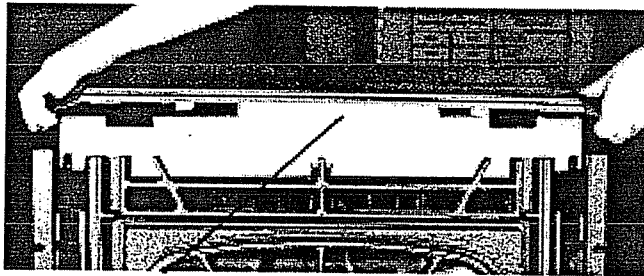
LOG INSTALLATION

WARNING: Dangerous operating conditions may occur if these logs are not positioned in their approved locations. Read the instructions below carefully and refer to the diagrams. If logs are broken do not use the unit until they are replaced. Broken logs can interfere with the pilot and burner operation.

The gas log kit contains the following:

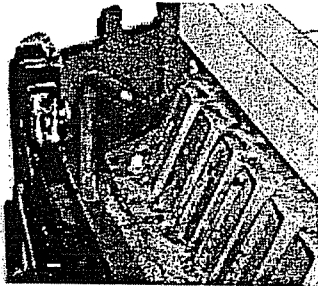
- a) Front Log
- b) Rear log
- c) Ember Strips (2)

- 1) Remove the logs and ember strip from the box and carefully unwrap them. The logs are fragile, handle with care - **DO NOT FORCE** into position.
- 2) Lift the Hob off the unit and place to one side (take care not to scratch or damage the finish), discard the single piece of styrofoam packaging on its underside.



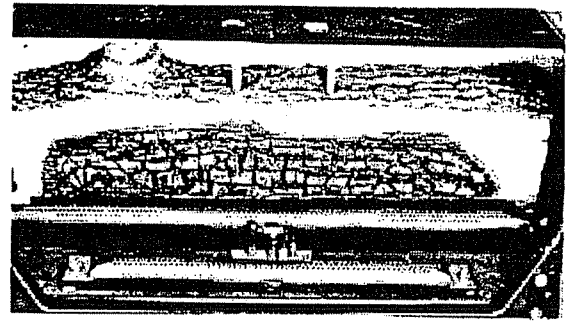
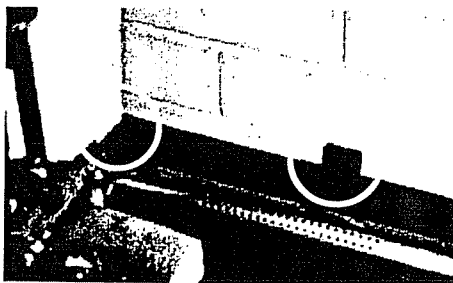
- 3) Open the front door by lifting off the Hob & Top Surround Panel. Turn and pull up on the door latch rod.

*Turn and lift
door rod.*

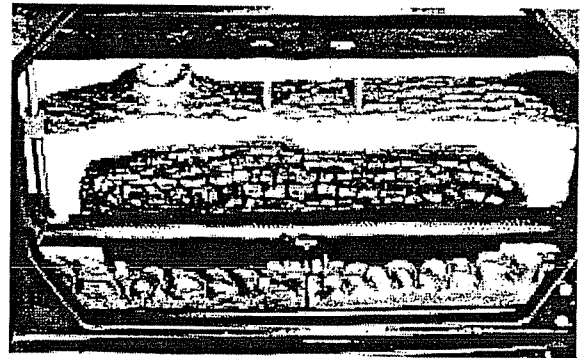


- 4) Install the Rear Log first. Place the Rear Log into position at the back of the firebox, centered between the tabs on the left and right sides. Then push the log against the two metal tabs at the rear of the firebox.

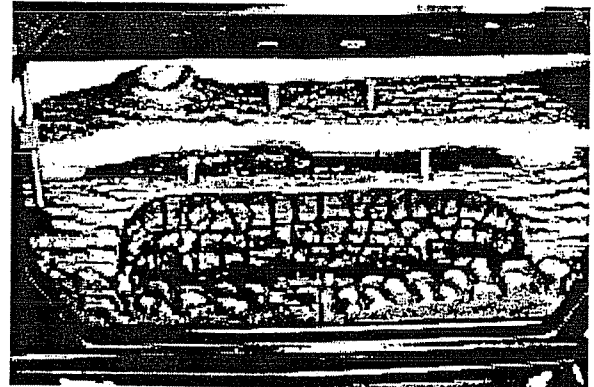
*Metal side tabs
and rear tabs
on both sides of
the firebox
position the
Rear Log.*



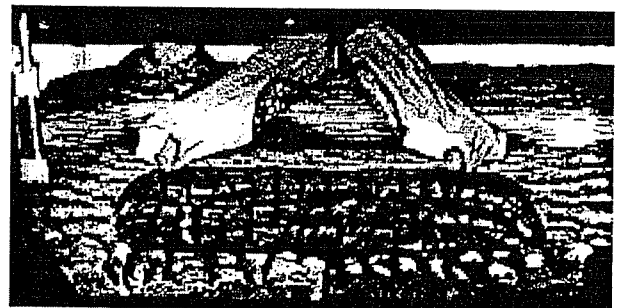
- 5) Place the two ember strips at the front of the firebox and center them.



- 6) Install the Front Log and center it.



- 7) Position the top logs as shown in the photograph. The top logs fit onto the pins in the Front and Rear Logs.



- 8) Close the front door by pressing it firmly in and then replace the rod, push the rod until it is completely down.

INSTALLATION

OPTIONAL WALL THERMOSTAT

A wall thermostat may be installed if desired, follow the wiring diagram below. Use the Waterford Wall Thermostat (Part #: 910-402/P), or use a CSA, ULC or UL approved millivolt thermostat, 250-750 millivolt rated. A non-anticipator type thermostat is needed.

| Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System) | |
|---|-------------|
| Wire Size | Max. Length |
| 14 GA. | 50 Ft. |
| 16 GA. | 32 Ft. |
| 18 GA. | 20 Ft. |
| 20 GA. | 12 Ft. |
| 22 GA. | 9 Ft. |

OPTIONAL REMOTE CONTROL

Use the Waterford Remote Control Kit approved for this unit. Use of other systems may void your warranty.

The remote control kit comes with a hand held transmitter, a receiver and a wall mounting plate.

- 1) Choose a convenient location on the wall to install the receiver and the receptacle box (protection from extreme heat is very important). Run wires from the fireplace to that location. Use Thermostat Wire Table.

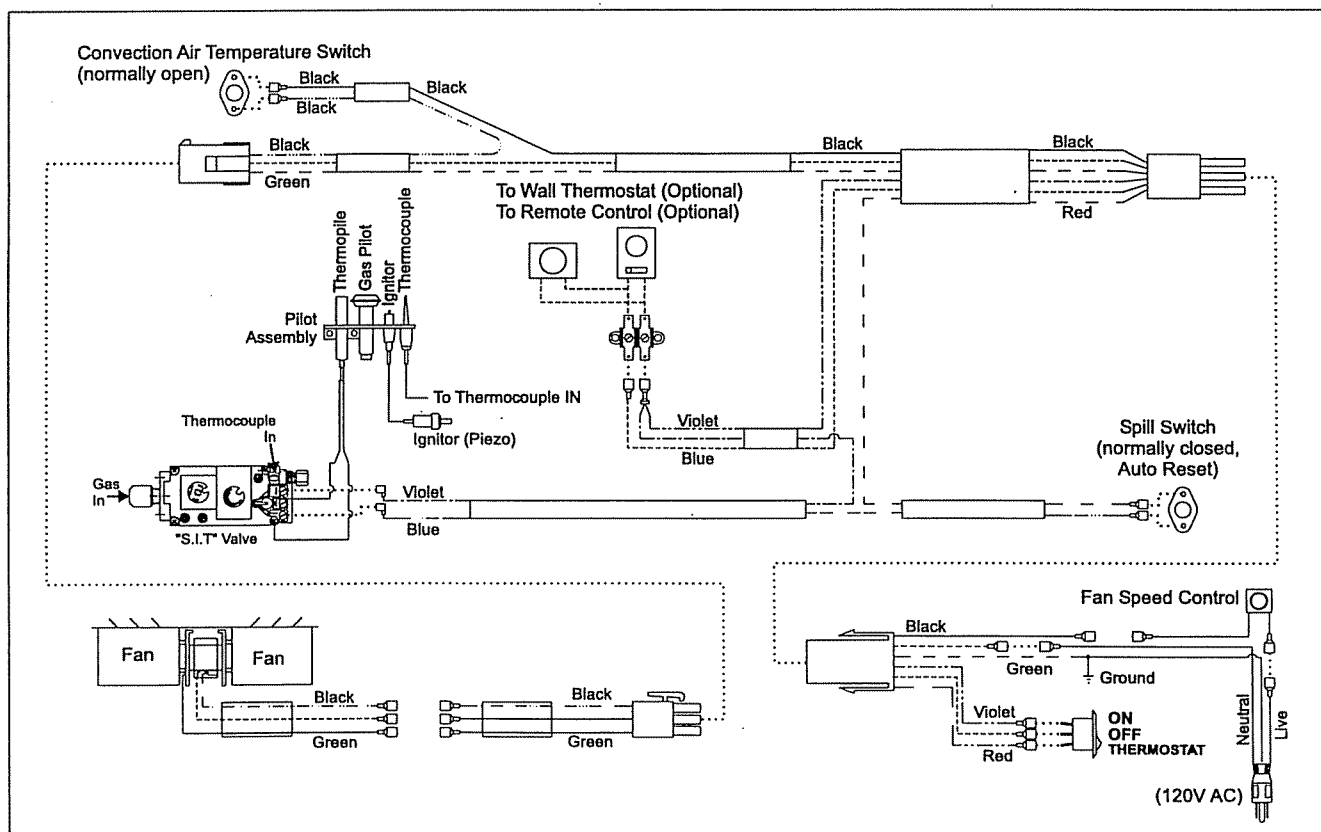
- 2) Connect the wires as per the wiring diagrams below.

CAUTION

Do not connect the millivolt remote control wires to the 120V wires.

- 3) Install a 9V alkaline battery in both the receiver and the transmitter. Install the receiver and its cover in the wall. Switch the hand held remote transmitter to "remote" mode. The remote control is now ready for operation.

WIRING DIAGRAM



OPERATING INSTRUCTIONS

OPERATING INSTRUCTIONS

Before operating this appliance, proceed through the following check list.

- 1) Read and understand these Instructions before operating this appliance.
- 2) Check to see that all wiring is correct and enclosed to prevent possible shock.
- 3) Check to ensure there are no gas leaks.
- 4) Make sure the three door glass pieces are in place. Never operate the appliance with any of the door glass removed or with the door open. Do not strike the glass or slam the door shut.

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

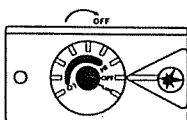
- 5) Verify that all venting and the cap is unobstructed.
- 6) Verify log placement. If the pilot cannot be seen when lighting the unit - the logs or the embers have been incorrectly positioned.
- 7) The unit should never be turned off and on without a minimum of a 60 second wait.
- 8) When lighting the appliance, the inside of the glass may fog up. This will burn off after a few minutes of operation.

DO NOT BURN THE APPLIANCE WITH THE DOOR OPEN.

LIGHTING PROCEDURE

IMPORTANT: Gas cock knob cannot be turned from "PILOT" to "OFF" unless it is partially depressed.

- 1) Open the lower grill.
- 2) If the control knob is set to "OFF" proceed to Step 4.
- 3) Push in gas control knob slightly and turn clockwise to "OFF".
- 4) Wait five minutes to allow gas, that may have accumulated in the main burner compartment, to escape. If you do smell gas, follow the instructions on the front of this manual. If you don't smell gas continue on to the next step.
- 5) Turn the gas control counterclockwise to "PILOT". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.



- 6) Push in control knob all the way and hold in. Immediately push black button on spark igniter until pilot lights. Continue to hold the control knob in for approximately one minute, then release the gas control knob. The pilot flame should continue to burn. If the pilot does not remain lit, repeat operation allowing a longer period before releasing gas control knob.
- 7) Turn gas control knob counterclockwise to "ON".
- 8) Use rocker switch to operate main burner.
- 9) Rotate the variable flame control to adjust the flame height higher or lower.
- 10) Close the bottom louver assembly and tighten the wing-nut.
- 11) The door must be closed when operating the unit.

SHUTDOWN PROCEDURE

- 1) Use the rocker switch to turn off the main burner.
- 2) Open the bottom louver assembly by turning the wing nut and swinging the louvers out.
- 3) Push in the gas control knob slightly and turn clockwise to "OFF". Do not force.
- 4) Disconnect all electric power to the appliance if service is to be performed.

FIRST FIRE

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time you use it with the fan on.

When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

The glass panel may require cleaning after the unit has cooled down. **DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.**

DO NOT BURN THE APPLIANCE WITHOUT THE GLASS FRONT IN PLACE.

During the first few fires, a white film may develop on the glass front as part of the curing process. The glass should be cleaned or the film will bake on and become very difficult to remove. Use a non-abrasive cleaner and NEVER clean the glass while it is hot.

OPERATING INSTRUCTIONS

Copy of the Lighting Plate instructions

FOR YOUR SAFETY READ BEFORE LIGHTING

This appliance must be installed in accordance with local codes, if any; if not, follow the current CAN1-B149/ANSI Z 223.1 (Australia: AG601, New Zealand: NZS 5261)

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

- 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.
- 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.



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

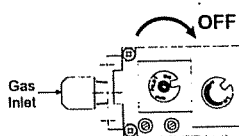
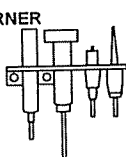
CAUTION: Hot while in operation. Do not touch. Due to high surface temperatures keep children, clothing and furniture, gasoline and other liquids having flammable vapors away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.


LIGHTING INSTRUCTIONS

STOP! Read the safety information above on this label.


- 1) Push in gas control knob slightly and turn clockwise  to "OFF". Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.
- 2) Wait five (5) minutes to clear out any gas. If you then smell gas **STOP!** follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
- 3) Turn knob on gas control counter-clockwise  to "PILOT".
- 4) Push in control knob all the way and hold in. Continually push and release the black button on spark igniter until pilot lights. Continue to hold the control knob in for about 1/2 minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 1) to 4). If knob does not pop up 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.

PILOT BURNER
VEILLEUSE
THERMOPILE
ELEMENT
THERMO-
ELECTRIQUE



- 5) Turn gas control knob counterclockwise  to "ON".
- 6) Use rocker switch to operate main burner.

TO TURN OFF GAS APPLIANCE

- 1) Push in the gas control knob slightly and
 - 2) Turn off all electric power to the appliance if service is to be performed.
- turn clockwise  to "OFF". Do not force.

DO NOT REMOVE THIS INSTRUCTION PLATE 908-017

OPERATING INSTRUCTIONS

AUTOMATIC CONVECTION FAN OPERATION

The fan operates automatically, turn the knob on the side of the faceplate to adjust to the desired speed. The fan will turn on as the stove comes up to operating temperature. After the unit has been turned off and the unit cooled to below a useful heat output range the fan will shut off automatically.

NORMAL OPERATING SOUNDS OF GAS APPLIANCES

It is possible that you will hear some sounds from your gas appliance. This is perfectly normal due to the fact that there are various gauges and types of steel used within your appliance. Listed below are some examples. All are **normal operating sounds** and should not be considered as defects in your appliance.

Blower:

Waterford gas appliances use high tech blowers to push heated air farther into the room. It is not unusual for the fan to make a "whirring" sound when ON. This sound will increase or decrease in volume depending on the speed setting of your fan speed control.

Burner Tray:

The burner tray is positioned directly under the burner tube(s) and logs and is made of a different gauge material from the rest of the firebox and body. Therefore, the varying thicknesses of steel will expand and contract at slightly different rates which can cause "ticking" and "cracking" sounds. You should also be aware that as there are temperature changes within the unit these sounds will likely re-occur. Again, this is normal for steel fireboxes.

Blower Thermodisc:

When this thermally activated switch turns ON it will create a small "clicking" sound. This is the switch contacts closing and is normal.

Pilot Flame:

While the pilot flame is on it can make a very slight "whisper" sound.

Gas Control Valve:

As the gas control valve turns ON and OFF, a dull clicking sound may be audible, this is normal operation of a gas regulator or valve.

Unit Body/Firebox:

Different types and thicknesses of steel will expand and contract at different rates resulting in some "cracking" and "ticking" sounds will be heard throughout the cycling process.

MAINTENANCE INSTRUCTIONS

- 1) Always turn off the gas valve before cleaning. For re-lighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year.

When cleaning the logs, use a clean soft paint brush as the logs are fragile and easily damaged.

- 2) Clean glass (never when unit is hot), appliance, door and louvers with a damp cloth. Never use an abrasive cleaner. The gold louvers (and optional gold door) may be scratched if abrasives are used to clean them. The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint (not with wall paint). Waterford uses Stove Brite Paint - Metallic Black #6309.
- 3) Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call a qualified service person.
- 4) The appliance and venting system must be inspected before use, and at least annually, by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed.

During the annual service call, the burners should be removed from the burner tray and cleaned. Replace the embers but do not block the pilot.

- 5) Verify proper operation after servicing.
- 6) Keep the area near the appliance clear and free from combustible materials, gasoline and other flammable vapours and liquids.

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.

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

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

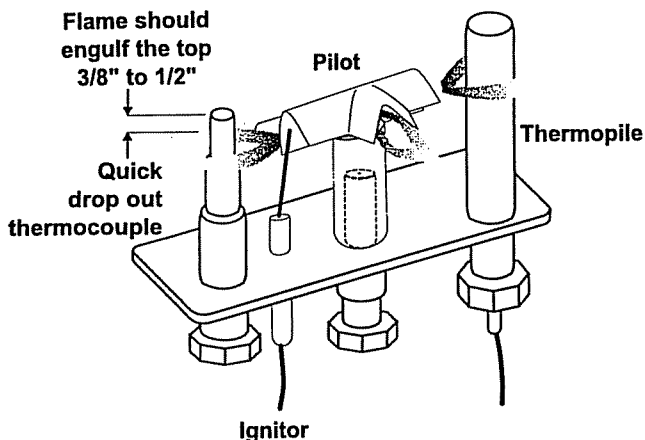
- 7) Each time the appliance is lit, it may cause condensation and fog the glass. This condensation and fog is normal and will disappear in a few minutes as the glass heats up.

Never operate the appliance without the glass properly secured in place or with the door open.

MAINTENANCE

- 8) Periodically check the pilot flames, see diagram.

Note: If you have an incorrect flame pattern, contact your Waterford dealer for further instructions.



DOOR GASKET AND GLASS GASKET

If the door gasket requires replacement use 3/8" door gasket, use only the proper replacement gasket available from your Waterford dealer.

- 1) Open the door.
- 2) Remove the existing gasket and clean the channel with a scraper or a wire brush.
- 3) Lay a thin bead of gasket cement the entire length of the channel.
- 4) Lay the gasket in the channel with sufficient pressure that it stays in place. Trim the excess from the end of the gasket so that it butts snugly against the other end without leaving a gap.
- 5) Close the door and apply firm pressure to seat the gasket evenly throughout.

LOG REPLACEMENT & CLEANING

The unit should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening door to carefully remove the logs. The pilot light generates enough heat to burn someone. If for any reason a log should need replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagram under Log Installation.

NOTE: Improper positioning of logs may create carbon build-up and will alter the unit's performance which is not covered under warranty.

Cleaning the Log Set and Firebox

During the annual inspection and maintenance appointment, the service person should clean dust, lint, and any light accumulation from the logs and firebox area. An extra-soft brush should be used on the logs as they are extremely fragile; a vacuum cleaner may be used on the firebox. See the log installation instructions for details on removing and replacing the logs.

GLASS REPLACEMENT

Empty fire box

Your Waterford stove is supplied with high temperature, 5 mm Neoceram ceramic glass that will withstand the highest heat that your unit will produce. In the event that you break your glass by impact, purchase your replacement from an authorized Waterford dealer only, and follow our step-by-step instructions for replacement.

- 1) Open the door by lifting off the Hob and removing the door rod.
- 2) a) Remove the six screws that secure the retainers holding the center glass in place.
b) If removing the side glass, remove the 4 screws that secure the retainers holding each side glass in place.
- 3) Remove the glass and replace with the new glass.
- 4) Install the 2 bottom retainers and turn the screws just enough to support the glass. Then install the other retainers. Tighten the screws alternately. Avoid overtighten the screws as this may damage the glass.

FAN MAINTENANCE

If your fan requires maintenance or replacement, access to the fan is through the access panel on the rear wall of the firebox. **NOTE: the unit MUST NOT be operated without the fan access panel securely in place and correctly sealed.**

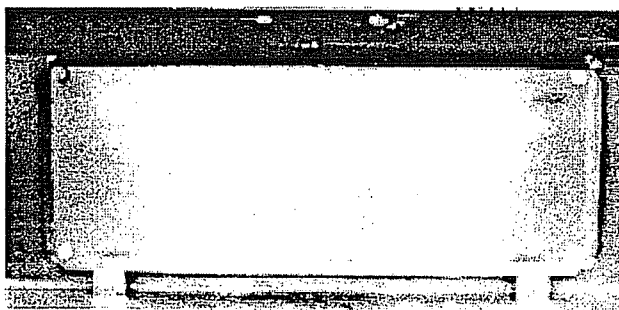
CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

IMPORTANT
Disconnect power supply before servicing

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

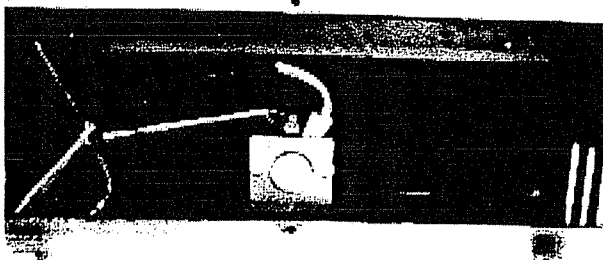
To remove fan:

- 1) Turn off the unit and allow to cool down. Unplug or disconnect power source to stove.
- 2) Lift off the Hob and open the door by removing the door rod.
- 3) Remove all logs and brick panels.
- 4) Using a 7/16" wrench remove the 6 bolts holding the access panel in place on the rear firebox wall.



The blower access panel is held in place with 6 bolts.

- 5) Unplug the 2 wires from the snapstat. Disconnect the "quick connect" electrical connection to the blower.

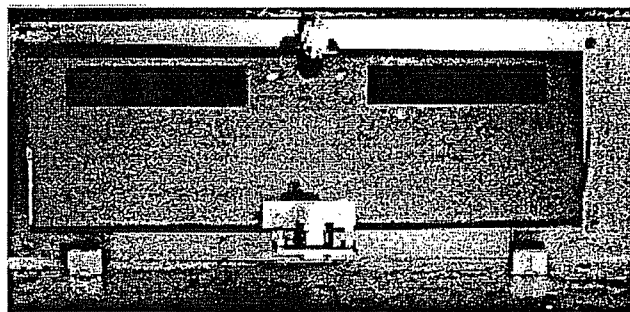


Disconnect these wires.

- 6) Reach into the opening and grasp the blower with both hands. Pull upward, first on one side and then on the other with a slow rocking motion.

The blower is held in place by a friction fit between 2 grommets (one in each corner of the bottom plate) and 2 studs (mounted in the body of the insert).

- 7) Pull the blower upward and rotate it out of the opening.



Guide the blower out of the opening, top first.

- 8) Install the replacement blower. Line up the grommet holes with the studs by feel, then push down firmly to seat it in place.

Hint for pushing fan down onto pins - rub a bit of dish soap on the grommet so it will slide more easily onto the pin. Check to make sure the fan is seated properly on the pins - try to move the fan back and forth, there should be no noise, if there is check that the grommets haven't come loose.

- 9) Snap together the "quick connect" plug. Plug the 2 wires back into the snapstat, either wire may go to either terminal.
- 10) Reinstall the access panel, the logs, close the door and replace the Hob.

IMPORTANT:

These fans do collect a lot of dust from within your home. Ensure you maintain these fan motors on a regular basis by vacuuming out the fan squirrel cages.

Caution: Ensure that the wires do not touch a hot surface.

MAINTENANCE

VALVE MAINTENANCE

If your valve requires maintenance or replacement, use the following instructions.

Note: Always shut off the gas supply before removing the valve.

- 1) Shut off the gas supply.
- 2) Open the front door by lifting off the Hob & Top Surround Panel. Turn and pull up on the door latch rod. Dia. 1.

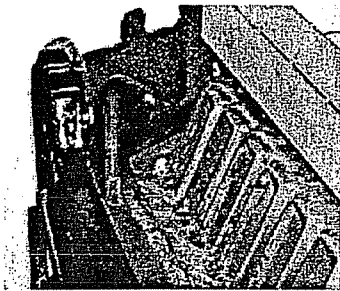


Diagram 1: turn & lift door rod.

- 3) Remove the 2 top logs, the front log, the rear log and the 2 ember strips.
- 4) Remove the front burner tube by removing the 2 phillips head screws and then lift the burner out. See Dia. 2.
- 5) Remove the rear burner by removing the screw on each end and lift burner out.



Diagram 2: Removing front burner tube.

- 6) Disconnect the wire harness from the valve - disconnect the blue wire from the top terminal (TH) and the violet wire from the bottom terminal (TPH)

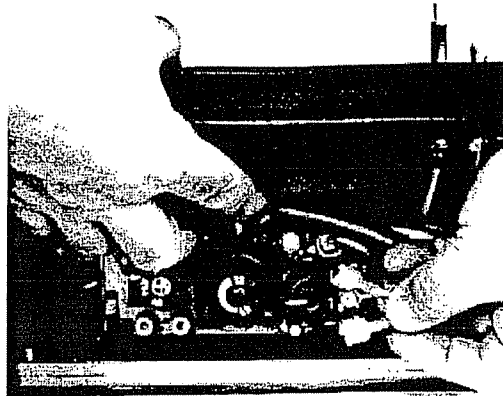


Diagram 3: Disconnect wires.

- 7) Remove the 2 screws holding the pilot assembly in position.

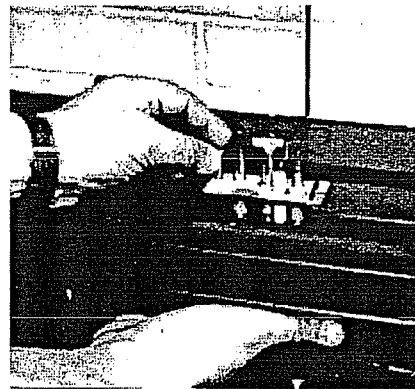


Diagram 4: Removing the pilot assembly screws.

- 8) Loosen the 2 screws holding the valve tray in place on the bottom plate.

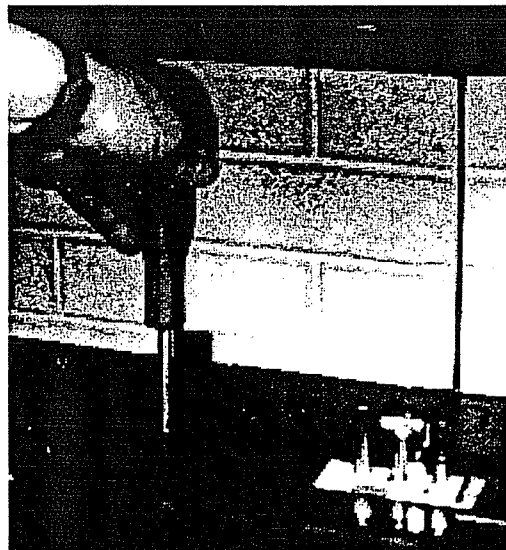


Diagram 5: Loosening the Valve Tray screws.

- 9) Push the valve back and then up. Carefully manoeuvre the valve tray and pilot out of the unit.

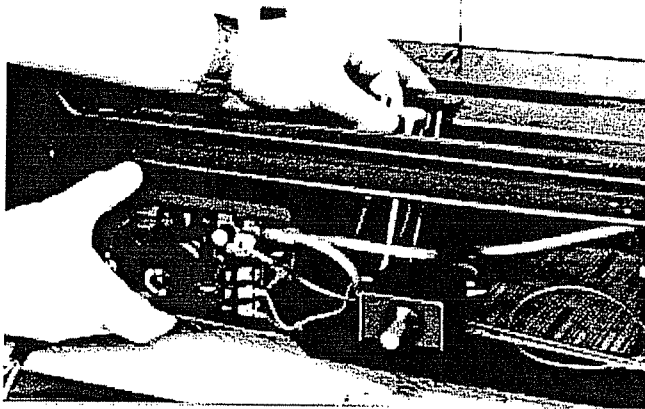


Diagram 6: Push valve assembly & pilot assembly back and then up and out

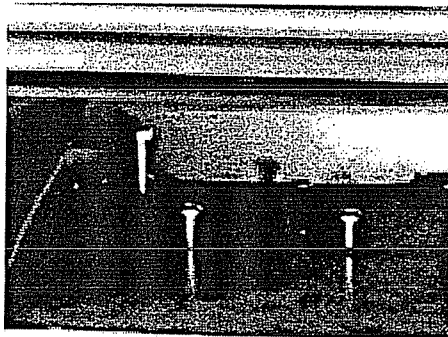


Diagram 7: View of Valve Tray anchor screws.

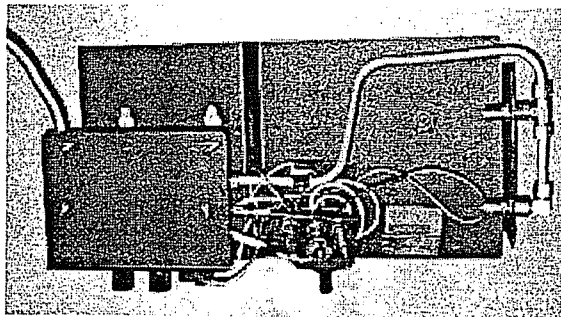


Diagram 8: Top view of Valve Tray with valve assembly and pilot assembly

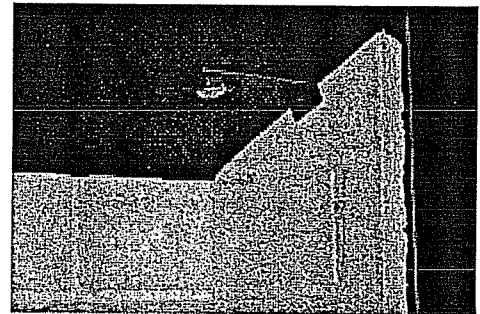
- 10) To replace the valve reverse the above steps 9) to 1). Be careful not to bend the pilot assembly excessively when pulling it up into the firebox.

BRICK PANELS

If your brick panels are damaged or broken, they must be replaced with the proper replacement panels available from your Waterford dealer.

To remove brick panels:

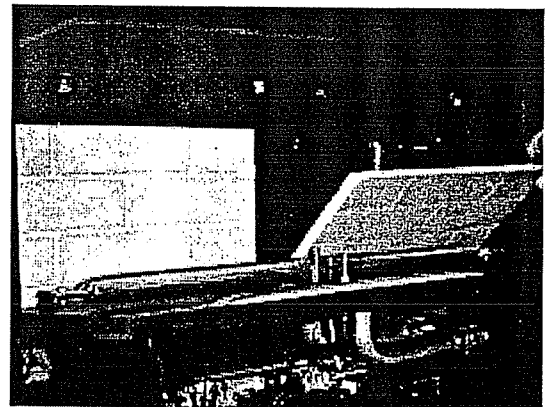
- 1) Turn off the unit and allow to cool down. Unplug or disconnect power source to stove.
- 2) Lift off the Hob and open the door by removing the door rod.
- 3) Remove all logs.
- 4) Remove the 2 side brick retaining clips (located on the firebox top). Back off the 1/2" bolts enough to allow the clip to slide out.



Side Brick Retaining Clip & 1/2" Bolt

Note: The logs must not be in the unit.

- 5) Remove the side panels. Be very careful not to scratch them on the firebox hardware.
- 6) Lift out the 2 rear panels.



Lift out Rear Brick Panels

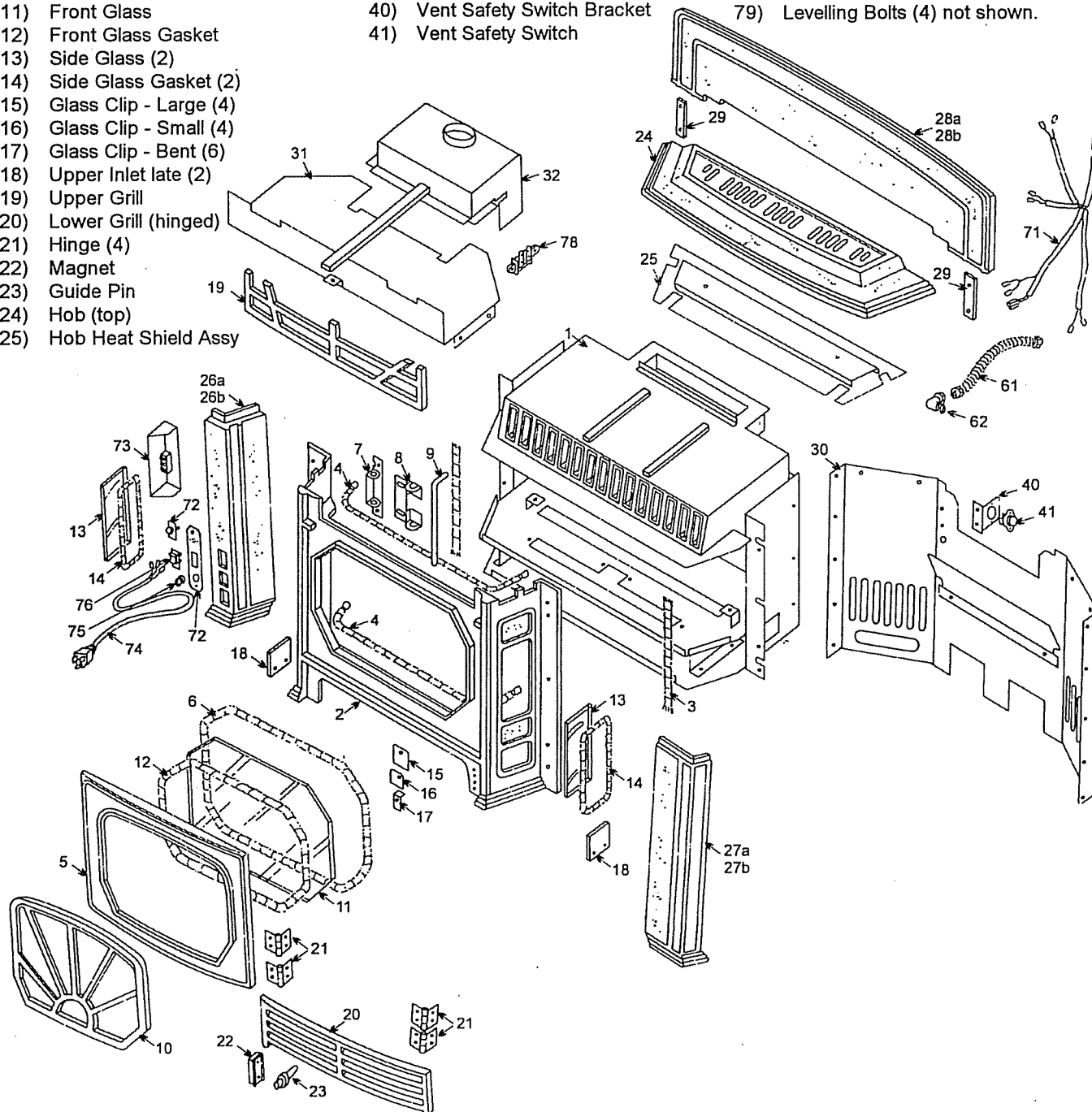
To install brick panels:

Reverse the above steps. Be careful not to scratch the brick panels with replacing them.

PARTS LIST

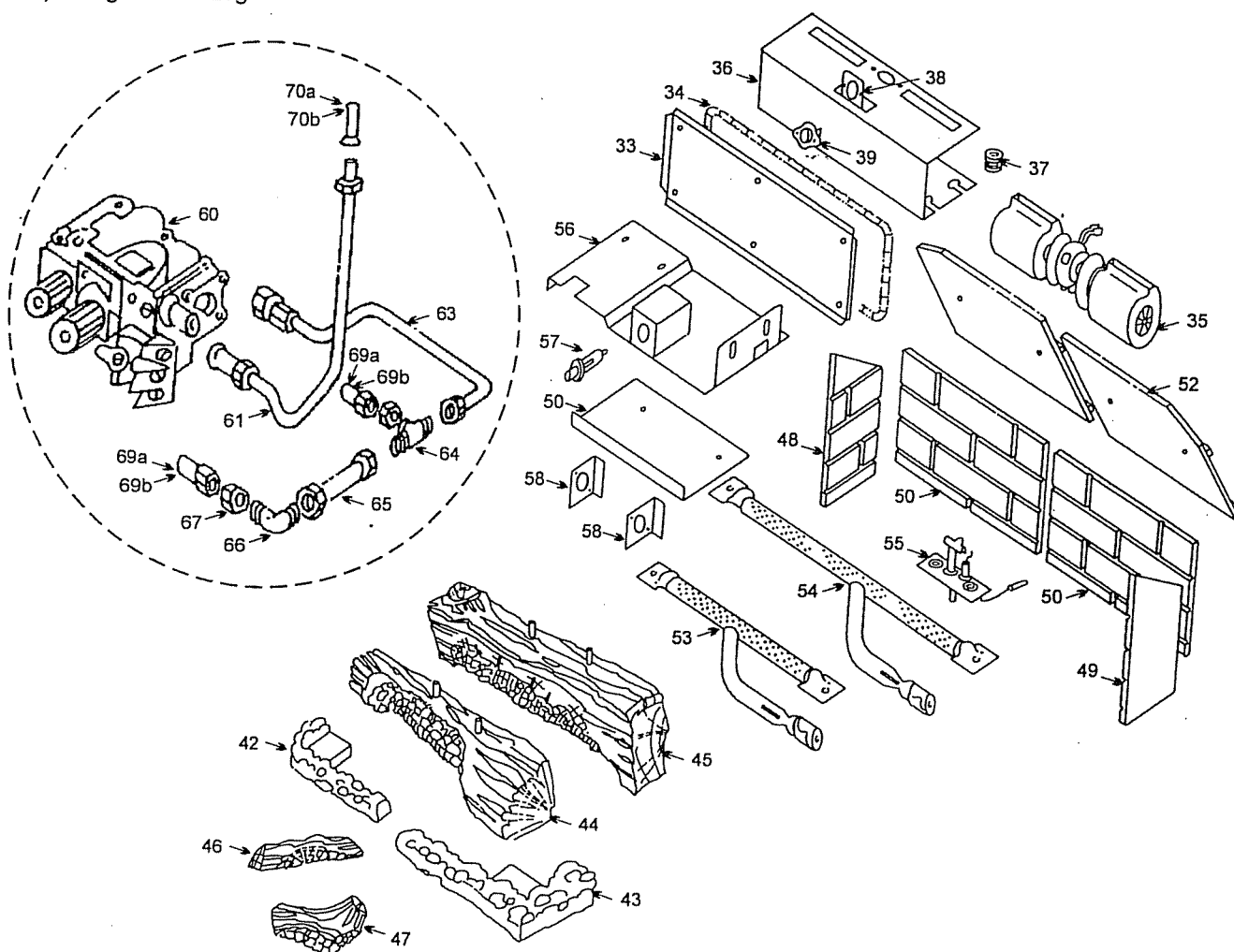
REPLACEMENT / SPARE PARTS LIST

- | | | |
|----------------------------|-----------------------------------|------------------------------------|
| 1) Insert Body | 26a) Left Surround Panel (small) | 61) Inlet Flex Line |
| 2) Front | 26b) Left Surround Panel (large) | 62) Inlet Elbow |
| 3) Front Gasket (flat) | 27a) Right Surround Panel (small) | 71) Wiring Harness |
| 4) Front Gasket (round) | 27b) Right Surround Panel (large) | 72) Control Plate |
| 5) Door | 28a) Top Surround Panel (small) | 73) Switch Box |
| 6) Door Gasket | 28b) Top Surround Panel (large) | 74) Cord Set |
| 7) Door Latch | 29) Top Surround Bracket (2) | 75) Strain Relief |
| 8) Latch Guide | 30) Rear Cover | 76) ON/OFF/TSTAT Switch |
| 9) Latch Rod | 31) Top Cover | 77) Blower Speed Control |
| 10) Door Grill | 32) Draft Diverter Assembly | 78) Terminal Strip |
| 11) Front Glass | 40) Vent Safety Switch Bracket | 79) Levelling Bolts (4) not shown. |
| 12) Front Glass Gasket | 41) Vent Safety Switch | |
| 13) Side Glass (2) | | |
| 14) Side Glass Gasket (2) | | |
| 15) Glass Clip - Large (4) | | |
| 16) Glass Clip - Small (4) | | |
| 17) Glass Clip - Bent (6) | | |
| 18) Upper Inlet late (2) | | |
| 19) Upper Grill | | |
| 20) Lower Grill (hinged) | | |
| 21) Hinge (4) | | |
| 22) Magnet | | |
| 23) Guide Pin | | |
| 24) Hob (top) | | |
| 25) Hob Heat Shield Assy | | |



REPLACEMENT / SPARE PARTS LIST

- | | | |
|--------------------------------|---------------------------------|-----------------------------|
| 33) Blower Access Panel | 48) Left Brick Panel | 63) Main Gas Line |
| 34) Blower Access Panel Gasket | 49) Right Brick Panel | 64) Main Gas Tee |
| 35) Blower | 50) Rear Brick Panel (2) | 65) Main Gas Connector Line |
| 36) Blower Housing | 51) Left Baffle Plate | 66) Main Gas Elbow |
| 37) Blower Grommet (4) | 52) Right Baffle Plate | 67) Locknut (2) |
| 38) Blower Thermostat Bracket | 53) Front Burner | 68a) Front Injector (NG) |
| 39) Blower Thermostat | 54) Rear Burner | 68b) Front Injector (LP) |
| | 55) Pilot Assembly | 69a) Rear Injector (NG) |
| 42) Left Ember Strip | 56) Plumbing Support Plate Assy | 69b) Rear Injector (LP) |
| 43) Right Ember Strip | 57) Piezo Ignitor w/PAL nut | 70a) Pilot Injector (NG) |
| 44) Front Log | 58) Valve Bracket (2) | 70b) Pilot Injector (LP) |
| 45) Rear Log | 59) Valve Heat Shield | |
| 46) Left Cross Log | 60) Valve | |
| 47) Right Cross Log | | |





WATERFORD

Fine Porcelain Enamel, Cast Iron Stoves from Ireland

Waterford stoves are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our door. Waterford Irish Stoves is pleased to extend this limited lifetime warranty to the original purchaser of a Waterford Product.

The Warranty: Limited Lifetime

Covered under the agreement are the following components: Combustion chamber, heat exchanger, burner tubes or burner pans, logs, embers, brick panels, and glass (thermal breakage). The above will be covered under the terms of the Limited Lifetime policy to the original purchaser.

Casting components are covered for parts and labour for three years and parts only for a further two years.

Electrical components such as blowers, switches, wiring, thermodiscs, remote control, spill switches, thermopiles, thermocouples, pilot assembly components, and gas valves are covered for one year from the date of purchase.

Conditions:

All installations must be performed by a qualified gas fitter and installed according to all applicable local and national codes. Also, all service work must be carried out by a qualified gas service person who is recommended by the selling dealer. It is the responsibility of the installer to ensure that the appliance is firing as per rating plate. Any part or parts of this unit which in our judgement show evidence of such defect will be repaired or replaced at Waterford's option, through an accredited distributor or agent provided that the defective part be returned to the distributor or agent **Transportation Prepaid**, if requested. The selling dealer is responsible for all in-field warranty work.

Exclusions:

This limited Lifetime Warranty does not extend to or include paint, porcelain, door or glass gasketing or trim. It does not cover installation and operational related problems such as over-firing, downdrafts or spillage caused by environmental conditions, nearby trees, buildings, hilltops, mountains, inadequate venting or ventilation, excessive offsets, negative air pressures caused by insufficient make up air, mechanical systems such as furnaces, fans, clothes dryers etc.

The warranty does not extend to any part or parts which show evidence of misuse or abuse, neglect, accident or lack of maintenance.

Products made by other manufacturers and used in conjunction with the operation of this appliance without authorization from Waterford, may nullify your warranty on this product.

Freight damage to stoves or replacement parts is not covered by this warranty and is subject to a claim against the freight carrier by the dealer.

Fireplace Products International Ltd., shall in no event be liable for any special, indirect consequential damages of any nature whatsoever which are in excess of the original purchase price of the product. Any alteration to the unit which causes sooting or carboning that results in damage to the exterior facia is not the responsibility of Waterford Irish Stoves.

General:

It is essential that all submitted claims provide all of the necessary information including customer name, purchase date, serial #, type of unit, problem, and part or parts requested, without this information the warranty will be invalid.