

# INSTALLATION AND OPERATING INSTRUCTIONS

## MAUI GAS FIRES FREESTANDER AND INBUILT NATURAL GAS / LPG HEATER

# LOGAIRE FIRES



## SAFETY WITH STYLE

To find out more call our home heating hotline 0800 655 001

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**PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE**

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

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

### **WHAT TO DO IF YOU SMELL GAS**

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**
- **Installation must be performed by a qualified installer, service agency or the gas supplier.**

# TABLE OF CONTENTS

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<b>TO THE NEW OWNER</b>	<b>4</b>
<b>LOGAIRE MAUI</b>	<b>5</b>
Safety Instructions	5
What To Do If You Smell Gas	5
Lighting Instructions	6
To Turn Off Gas Appliance	6
Manufacturer's Installation & Operation Instructions	7
<b>OPERATION</b>	<b>8</b>
Operating Instructions	8
Lighting Procedure	9
Initial Burning	10
Heat Output Adjustment	10
Automatic Convection Air Fan Operation	10
Shutdown Procedure	10
<b>SPECIFICATIONS</b>	<b>11</b>
Listings and Code Approvals	11
Logaire Maui Inbuilt/Freestander	12
<b>INSTALLATION</b>	<b>13</b>
General Information	13
Clearance To Combustibles – Freestander	14
Clearance To Combustibles – Inbuilt	15
Minimum Fireplace Dimensions	16
Venting	17
Freestander	17
Model Inbuilt	17
Installation Into Existing Woodstove/Solid Fuel Flue System	17
Venting Requirements	18
Gas Connection	19
Natural Gas or LPG	19
Fascia And Assembly – Inbuilt	20
Gas Consumption By Gas Lab New Zealand	21
Gas Pressure Test	21
Primary Air Shutter	21
Test For Flue Exhaust Spillage – Freestander	22
Test For Flue Spillage – Inbuilt	23
Optional Wall Thermostat Installation	24
Optional Remote Control	24
Electrical Grounding Instructions	24
Optional Wall Thermostat Installation Diagram	25
Log Set Installation	26
Installation Technical Data	27
Installation Technical Data	28
Log Diagram	29
LPG Conversion Installation	30
<b>MAUI ZERO CLEARANCE</b>	<b>31</b>
General Description	31
Installation Notes & Safety	31
Required Components	31
Assembly Instructions	32
Optional Fresh Air Supply	33
Gas Supply Line	33
Installation of Maui	33
Framing	34
Placement And Finishing	34
Venting	34
Wiring	35
Clearance Shell Diagram 16	36
Diagram 17 & 18	37

## TABLE OF CONTENTS Continued

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Diagram 19 & 25	38
Zero Clearance Vertical Direct Vent Gas Flue Kit	39-40
<b>MAUI ZERO CLEARANCE</b>	<b>41</b>
Maintenance Instructions	41
Pilot Light	41
Log Replacement	41
Gold Plated Doors	42
Door Gasket and Glass Gasket	42
Removal and Placement of Broken Door Glass	42
Fan Maintenance	42
<b>GAS TROUBLE SHOOTING GUIDE</b>	<b>43</b>
Combustion	43
Requirements for Combustion	43
Heat Sources and Temperatures	43
Ignition Temperatures	43
Checking Wire Connections	44
Logaire Gas Stove Wiring Diagram 22	44
Checking Thermopile	45
Pilot Instructions	46
When the Pilot wont stay Lit	47
Adjust of the Piolet Flame	47
Robertshaw Valve Check – Millivolt Saftey Magnet	48
Checking Gas Pressure with a Monometer	49
<b>WARRANTY</b>	<b>50</b>
<b>QUALITY ASSURANCE</b>	<b>50</b>
<b>WARRANTY FORM</b>	<b>51</b>

### **To The New Owner:**

Congratulations! You are the owner of a State-Of -The-Art gas stove by Logaire. This appliance has been designed to provide you with all the warmth and charm of a woodstove, at the flick of a switch. This model has been approved by OMNI – test laboratories, inc. for both safety and efficiency. As it also bears our own mark, it will provide you with trouble-free economy, comfort and security for many years to follow. To qualify for Logaire’s warranty program, be sure to fill out the registration form included in the packet and drop it in the mail today! Please take a moment now to acquaint yourself with these instructions and the many features of your Logaire Maui gas stove.

# LOGAIRE MAUI

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## **FOR YOUR SAFETY READ BEFORE LIGHTING**

This appliance must be installed in accordance with local codes if any, if not, follow the current CANI-B149/ANSI Z223.1-1988.

**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, following the instructions below 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 to the floor.

## **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 your 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.

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 away. Keep burner and control compartment clean. See installation and operation instructions accompanying appliance.

# LOGAIRE MAUI

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## **LIGHTING INSTRUCTIONS STOP!**

**Read the safety information above 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 minutes to clear out any gas. If you then smell gas **STOP!** Follow 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 counterclockwise to “**PILOT**”.
- 4 Push in control knob all the way and hold in. Immediately push red button on spark igniter until pilot lights. Continue to hold control knob in for about ½ minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 3 and 4.

If knob does not pop up when released, stop immediately and call your service technician or gas supplier. If the pilot will not stay lit after several tries, turn gas control knob “**OFF**” and call your service technician or gas supplier.

- 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 turn clockwise to “**OFF**”.  
**DO NOT FORCE.**
- 2 Turn off electric power to the appliance if service is to be performed.

**Do not remove instruction plate: Logaire Maui F/S & I/B**

# LOGAIRE MAUI

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LISTED: GAS FIRED VENTED ROOM HEATER – FREESTANDER AND INBUILT.

TESTED TO : CAN 1-2.1-M86, ANSI Z21.11.1 – 1991

CERTIFIED FOR: CANADA AND U.S.A. REPORT NO. 476-1103

TESTED TO NZS5262:1997

**GAS TYPE:** NATURAL GAS OR UNIVERSAL LPG  
(PROPANE/BUTANE)

**GAS PRESSURE:** NATURAL GAS – MAXIMUM SUPPLY  
PRESSURE 5kPa  
LPG – MAXIMUM SUPPLY PRESSURE 2.75kPa

**BURNER PRESSURE:** NATURAL GAS – 0.87 kPa LPG – 2.5kPa

**INPUT RATING:** 50MJ/h

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INSTALL & USE ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION & OPERATION INSTRUCTIONS. FOR USE WITH NATURAL GAS AND PROPANE. A CONVERSION KIT SUPPLIED BY THE MANUFACTURER SHALL BE USED TO CONVERT THIS APPLIANCE TO THE ALTERNATIVE FUEL.

GAS FIRED VENTED ROOM HEATER: THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, IF ANY; IF NOT, FOLLOW ANSI Z223.1 – CAN 1-B149.

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ELECTRICAL SUPPLY 240V, .45 A, 50 Hz  
NOT FOR USE WITH SOLID FUEL. DO NOT REMOVE LABEL.

**METAL FAB INDUSTRIES; P O BOX 58 473  
GREENMOUNT, AUCKLAND  
FAX (09) 274 8472  
Email: [sales@metalfab.co.nz](mailto:sales@metalfab.co.nz)**

**SERIAL NUMBER MG NO. \_\_\_\_\_**

# OPERATION

## OPERATING INSTRUCTIONS

### WARNING

Do not abuse the F/S or I/B's glass by striking, slamming, or similar trauma. **DO NOT** operate the stove with the glass panel removed cracked or broken. Use only glass supplied by Logaire and approved for use with this heater. **DO NOT** use substitute materials. Replacement of the panel should be done by a licensed or qualified service person.

Before operating this appliance, proceed through the following checklist.

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. Never operate the appliance with the door open.
5. Verify that all venting and the venting cap is unobstructed.
6. Verify that log placement is correct.
7. The unit should never be turned off and on without a minimum of a 60-second wait.
8. Once pilot light is on, use the ON-OFF rocker switch for normal operation. When off for more than a month, extinguish pilot by following shutdown procedure. (For ON-OFF rocker switch location see page 10).
9. Keep area near the appliance clear and free from combustible materials, gasoline and other flammable vapours and liquids.

DIAGRAM 1

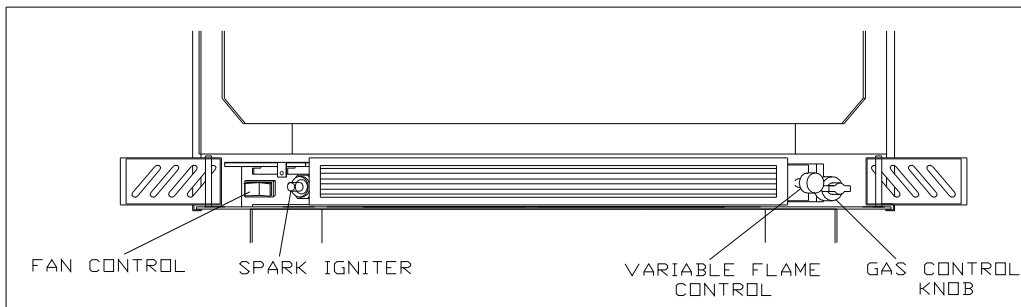
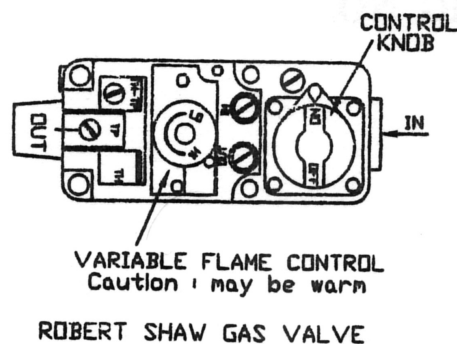


DIAGRAM 2



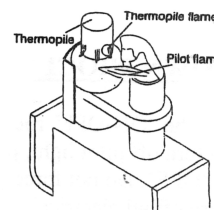


# OPERATION

## LIGHTING PROCEDURE

1. **STOP!** Read the safety information. Pages 4 – 6.
2. If using an optional thermostat, set the thermostat to the lowest setting.
3. Turn off the electric power to the unit (unplug).
4. Turn the ON-OFF rocker switch to the OFF position. See page 10.
5. Push in the gas control knob slightly and turn it clockwise to “OFF”. NOTE: The knob cannot be turned from “PILOT” to “OFF” unless it is pushed in slightly. Do not force it.
6. Wait five (5) minutes to clear out any gas. If you smell gas, STOP! Follow “B” in the safety information on the label on page 5.
7. Set the variable flame control to “HI” by turning it fully clockwise.
8. Press in the gas control knob slightly and turn counterclockwise to “PILOT”.
9. Find the pilot by looking under the middle of the front log.
10. Push the control knob fully down and hold. Immediately push the red piezo igniter button to light the pilot. It is normal to have to push the red spark igniter button several times before the pilot ignites. Continue to hold the control knob in for about one (1) minute after the pilot is lit. Release the knob and it will pop back up. Pilot should remain lit. If it goes out, repeat step 5 through 9.
  - If the 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.
11. Turn the gas control knob counterclockwise to “ON”.
12. Place the ON-OFF rocker switch to the ON position.
13. Turn on the electric power to the heater(Plug in).
14. If in use, set the optional thermostat to the desired room temperature.
15. Set the variable flame control to the desired setting; Turn fully clockwise for “HI” and fully counterclockwise for “LOW”. See diagram 2. Refer to page 8.

**NOTE: 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. Periodically check the pilot flames, there should be one strong blue flame approx. 12mm long to the burner, and a ring of flame around the thermopile. Refer to diagram 3.**



**DIAGRAM 3**

### **WARNING**

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARD 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.  
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.

# **OPERATION**

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## **INITIAL BURNING**

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, light the unit and leave it on for 5 minutes and let it cool down for 30 minutes. Repeat 3 or 4 times. When first operated, the unit will release an odour caused by the paint curing, the burning off of any oils remaining from manufacturing and burning off the starch in the gas logs. Also the brick panels will discolour during the initial burn and return to their original colour after about one hour. This is due to the burning off of manufacturing starches.

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

## **HEAT OUTPUT ADJUSTMENT**

The gas control valve, located behind the lower right access door, can be used to adjust the heat output and flame height by turning the metal gas knob clockwise for maximum and counter clockwise for minimum. (see diagram 1 page 8). The minimum and maximum settings are factory set to provide a wide range of heat output and should not be altered.

## **AUTOMATIC CONVECTION AIR FAN OPERATION**

The fan control is located behind the lower left access door and is an “HIGH – OFF – LOW” control. (see diagram 1 on page 8). The fan operates automatically when the control is in the High or Low position. The fan will turn on as the stove comes up to temperature. After the unit has been turned off and the stove has cooled to below a useful heat output range the fan will shut off automatically.

## **SHUTDOWN PROCEDURE**

1. Use the “ON-OFF” rocker switch to turn off the main burner.
2. To turn off pilot light, push in the gas control knob slightly and turn clockwise to “OFF”. Do not force.
3. Turn off all electrical power to the appliance if service is to be performed.

# **SPECIFICATIONS**

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## **LISTINGS AND CODE APPROVALS**

The Maui Gas Heater has been tested to ANSI Z21.88a-1998 *Vented Gas Fireplace Heaters* by OMNI – Test Laboratories, Inc. and listed for installation and operations as described in these Installation and Operation Instructions.

This gas appliance has been tested in accordance with National Safety standards and complies with the following.

AS / NZS 3350 . 1 : 2000, Gas Regulations : 1993

And NZS 5261 . 1 : 1996.

The installation must conform to local codes or in the absence of local codes with NZS 5261 - 1996

Check with your local building code agency before you begin your installation to ensure compliance with local code, including the need for “permits” and follow-up inspections. If any problems are encountered regarding code approvals, or if you wish clarification of any of the instructions contained here, contact your local dealer.

**Your stove and venting system should be serviced annually by a qualified service person.**

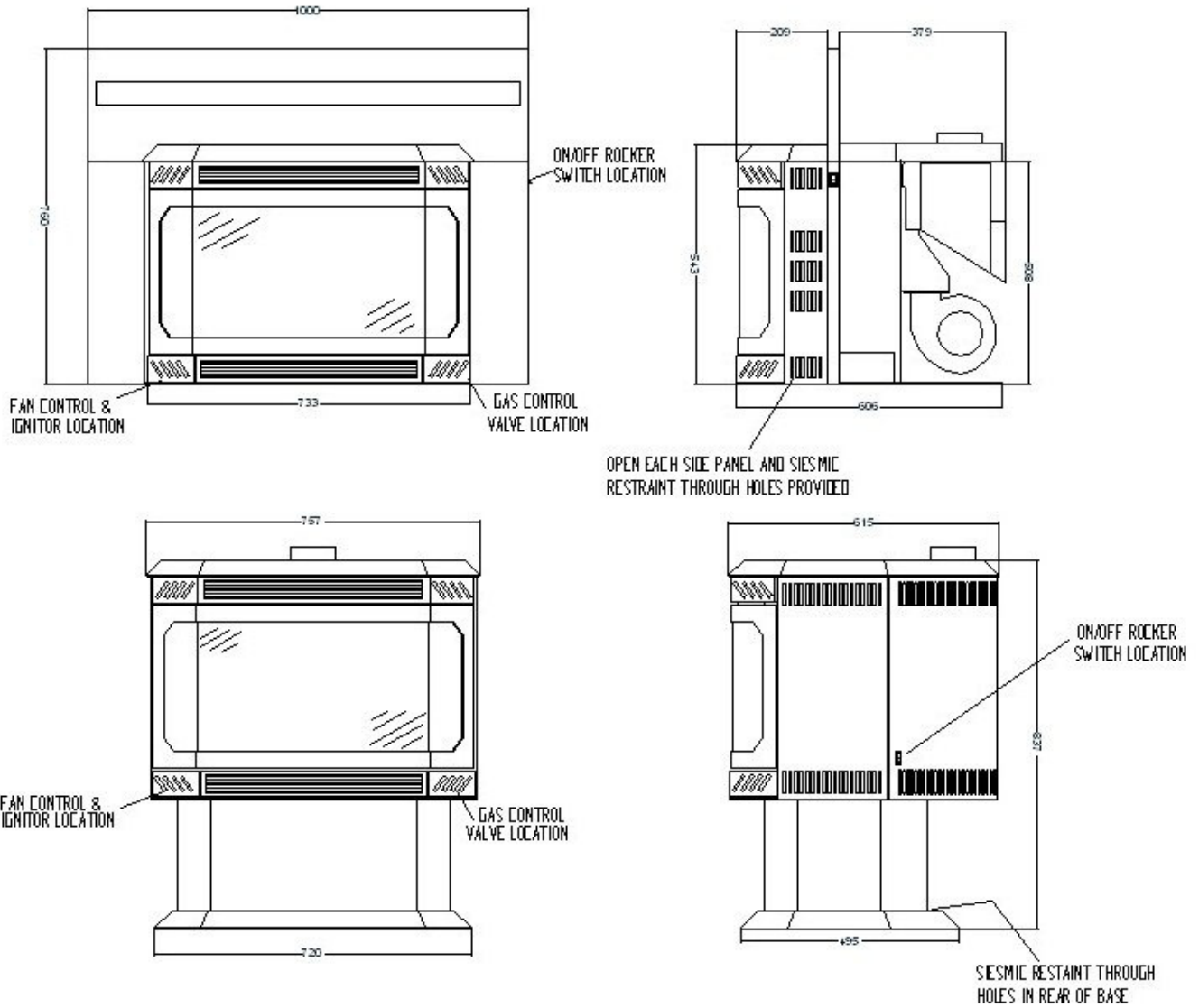
**Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control, which has been under water.**

### **WARNING**

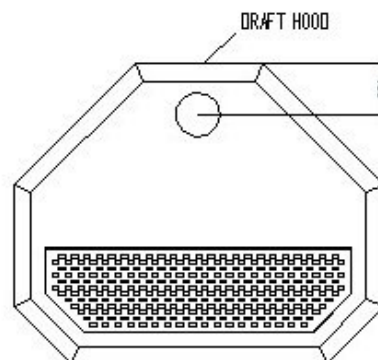
Improper installation, adjustment, alteration, services or maintenance can cause injury or property damage. Refer to this manual for assistance or additional information consult a qualified installer, service agency or the gas supplier.

# SPECIFICATIONS

## LOGAIRE MAUI INBUILT



## LOGAIRE MAUI FREESTANDER



# **INSTALLATION**

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Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

## **WARNING**

This appliance can only be common-vented in accordance with the Natural Gas Installation Code. Which requires that the venting must be sized accordingly to accommodate the total kW range of all appliances concerned and that the code allows the venting of the appliances in question to be vented together. It should also be noted that gas appliances must not be vented with solid fuel burning appliances,

## **WARNING**

Failure to correctly install this appliance will void your warranty. For warranty agreement refer to page 46.

## **General Information**

Provide adequate clearance around the air openings into the combustion chamber. For servicing and proper operation adequate combustion and ventilation air must also be provided.

The Logaire Maui must be installed on a flat, solid, continuous surface (eg. metal, concrete). This may be the floor, or it can be raised up on a platform to enhance its visual impact. The Logaire Freestanding Gas Stove can be installed in a wide variety of ways and will fit nearly any room layout. The Maui Gas Fire must be seismic restrained through the holes provided.

The Logaire Freestanding Gas Stove is approved for alcove installations and must meet the clearances listed. The freestanding and the fireplace insert can be installed in a bedroom or bed/sitting room with a millivolt thermostat only. The inbuilt can be installed in masonry or factory built fireplace. **The freestanding and the fireplace insert units are NOT approved for mobile home installations.**

We recommend that you plan your installation on paper using exact measurements for clearances and floor protection before actually installing this appliance. If an existing chimney is not utilised, position the appliance to allow free passage of factory-built listed chimney through the wall or ceiling and roof. Have a qualified building inspector review your plans before installation.

# INSTALLATION

## CLEARANCE TO COMBUSTIBLES – FREE STANDER

This appliance may be installed only with clearances as shown in Diagram 4.

**DO NOT** combine clearances from one type of installation with another in order to achieve closer clearances.

Measurements below are minimum distances to combustibles.

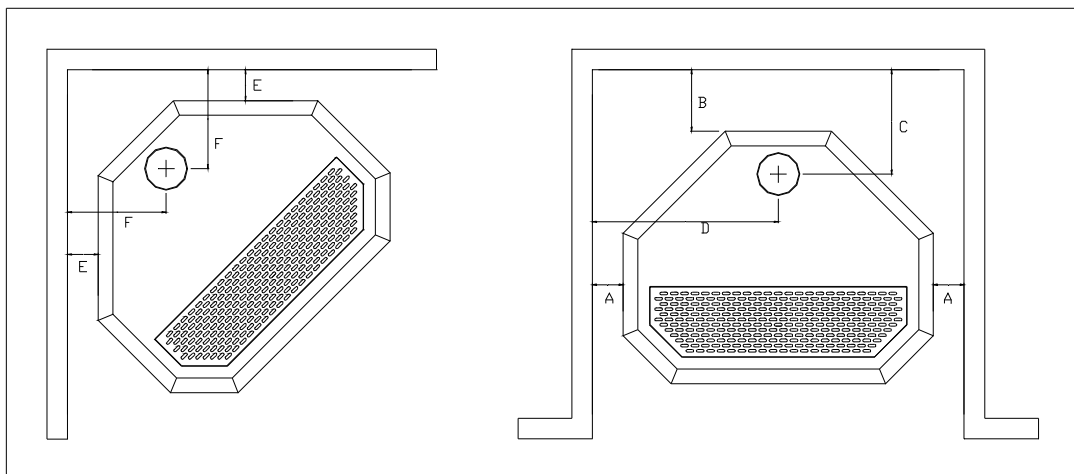
<b>A</b>	Side Wall to Unit:	75mm
<b>B</b>	Back Wall to Unit:	150mm
<b>C</b>	Back Wall to Flue Centerline:	250mm
<b>D</b>	Side Wall to Flue Centerline:	450mm
<b>E</b>	Side Wall to Unit:	75mm
<b>F</b>	Side Wall to Flue Centerline:	238mm

Minimum ceiling height from top of units is 600mm

## HEARTH SIZE

The Logaire Maui needs to be installed on a non-combustible surface no smaller than the minimum size of the freestander overall dimensions as per Diagram 4.

**DIAGRAM 4**



# **INSTALLATION**

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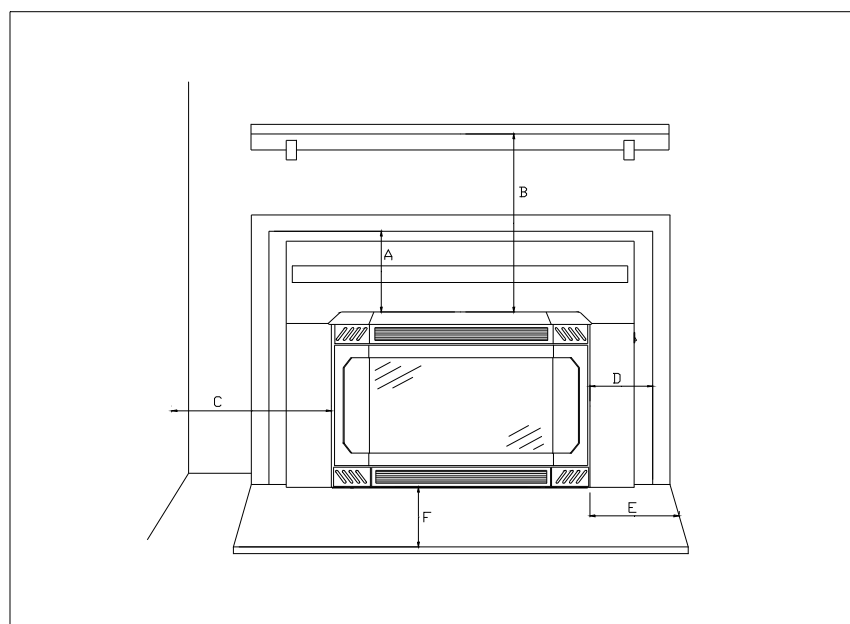
## **CLEARANCE TO COMBUSTIBLES – INBUILT**

This appliance may be installed only with the clearances as shown in Diagram 5. Do not combine clearances from one type of installation with another in order to achieve closer clearances.

Measurements below are minimum distances to combustibles.

<b>A</b>	Insert Top to Top Facing:	250mm	
<b>B</b>	Insert Top to Mantle:	550mm	
<b>C</b>	Insert Side to Sidewall:	150mm	
<b>D</b>	Insert Side to Side Facing:	75mm	
<b>E</b>	Hearth Extension Side:	0mm	
<b>F</b>	Hearth Extension Front:	<b>G</b> Hearth Height	
	300mm	if	0mm
	263mm	if	50mm
	225mm	if	100mm
	188mm	if	150mm

**DIAGRAM 5**



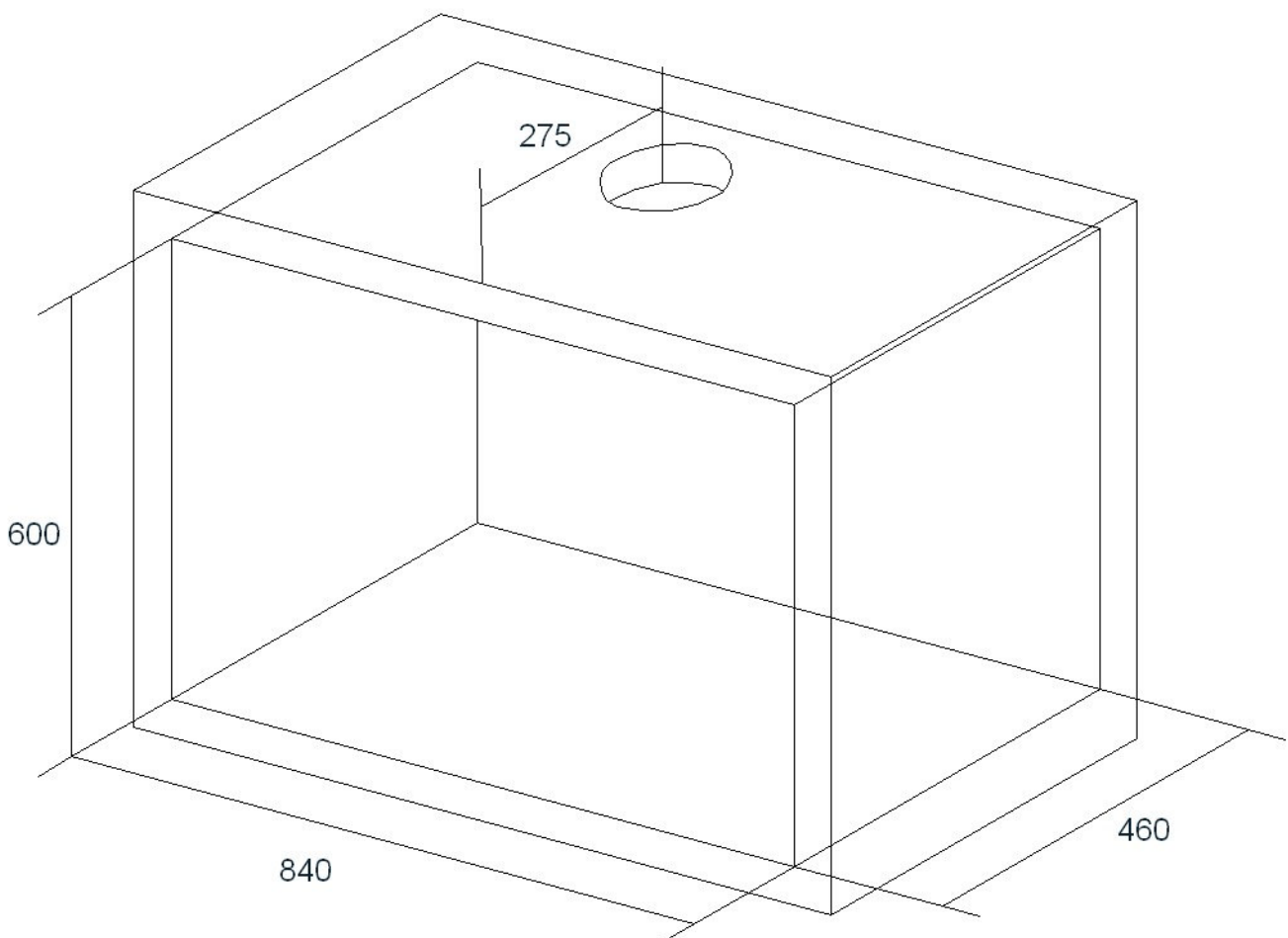
# **INSTALLATION**

## **MINIMUM FIREPLACE DIMENSIONS**

The minimum fireplace dimensions required to be able to install the Logaire gas insert into a factory built or masonry fireplace are shown in diagram 6 below.

**NOTE:** Do not remove or alter any part of a factory built fireplace except glass doors or a smoke shelf which can be reinstalled if the Logaire gas insert is removed.

**DIAGRAM 6**





# **INSTALLATION**

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## **VENTING**

The freestanding and inbuilt are vented appliances and must be connected to a chimney/flue in accordance with the installation codes.

For your safety this heater is equipped with a vent safety switch designed to sense incorrect venting and reacts by shutting down the gas supply. This heat actuated switch is located within the draft hood and will detect either a blocked chimney or backdraft condition. The chimney switch must **never** be by-passed or disconnected as a hazardous or deadly condition can result.

## **FREESTANDER**

The Maui Freestander must be installed with a B-vent flue system as approved for use by Logaire. For cosmetic or aesthetic purposes a 150mm outer flue can be used as long as an approved inner vent is installed. Fasten the B-vent to the exhaust collar on the top of the stove. If desired use one MG” sheet metal screw but do not penetrate the inner sleeve of the B-vent when tightening the screw.

Follow all venting manufacture’s requirements and local building codes. In cold climates, we recommend the use of insulated B-vent, chase, and liners. For altitudes above 2000 ft. we recommend that a minimum flue height of 3.7M be used. A wind cap is recommended for wind turbulent sites when flue spillage is noted. (See page 21).

## **MODEL INBUILT**

The Maui inbuilt must be installed with a B-vent flue system as approved for use by Logaire with a liner running the full length of the chimney. A minimum flue height of 3.6m is recommended. B-vent must be supported by a vent support – supplied by the vent manufacturer.

The Logaire Insert incorporates its own internal draft hood so no additional external draft hood is required. Periodically check that the vent is not blocked and a sufficient draft is present when the unit is in operation. Refer to spillage test page 21.

## **INSTALLATION INTO EXISTING WOODSTOVE/SOLID FUEL FLUE SYSTEM**

**Never connect the Maui Gas Fire to a chimney flue serving a separate solid-fuel burning appliance.**

1. Clean and inspect the existing solid fuel chimney.
2. If using B-vent for the entire installation pass the B-vent through the existing solid fuel chimney. Support the B-vent from the solid fuel chimney top (not the cap) using vent hangers available from your local vent supplier. Install a trim collar where the B-vent enters the solid fuel chimney. Connect B-vent to the spigot collar on the stove using one sheet metal screw.

# INSTALLATION

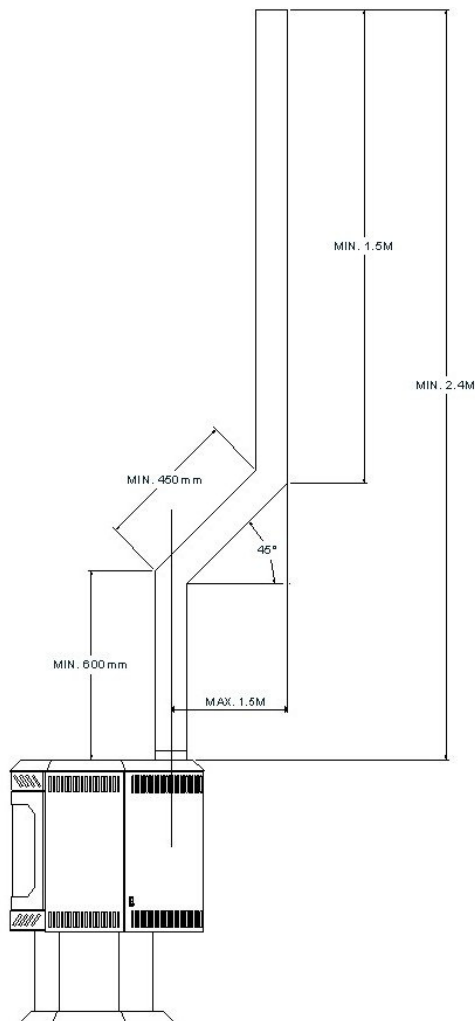
## VENTING REQUIREMENTS

Minimum vertical runs shall be no less than 2.4 metres.  
Changes of direction from the vertical should be avoided where possible.

**NOTE: Vertical run to be at maximum possible distance before any change in direction.**

Where change of direction is unavoidable refer to NZS 5261-1996 Standard / AG601 1995 Australian gas association standard.  
Where gradient of lateral (horizontal) runs are required LOGAIRE recommends a minimum angle of 45% with a minimum run of 600 mm height of vertical flue before gradient, provided a 1.5 meter vertical run is fitted after any off-set, Refer to diagram 7.

**DIAGRAM 7**



Any deviation from minimum and maximum recommended dimensions may effect performance of the fire.

# INSTALLATION

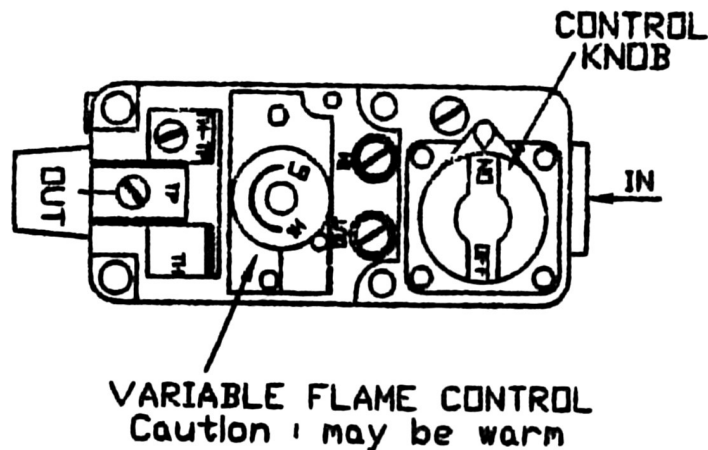
## GAS CONNECTION

The gas connection is ½” SAE 45° flare fitting and is easily accessible at the rear of the Freestander and on the right side of the Inbuilt. The gas line can be rigid pipe or to make installation easier use a listed flexible connector and manual shut-off valve if allowed by local building codes. For minimum and maximum supply pressure, refer to the compliance plate attached to the unit.

**NOTE:** During any pressure testing of the gas supply piping system that exceeds test pressures of ½ psig, this appliance and its individual shutoff valve must be disconnected from the piping system. If test pressures equal to or less than ½ psig are used then this appliance must be isolated from the piping system by closing its individual manual shutoff valve during the testing.

Inlet pressure can be checked on the regulator and manifold pressures can be checked using the port on the control valve between the variable flame control and the control knob, and are easily accessible for a test gauge connection. Refer to diagram 8

DIAGRAM 8



ROBERT SHAW GAS VALVE

## NATURAL GAS OR LPG

The F/S and I/B gas stoves are available to burn either Natural gas or LPG. The burners are specifically manufactured to burn either one. Make sure the stove you have purchased is equipped for the proper gas.

# INSTALLATION

## FASCIA AND ASSEMBLY- INBUILT

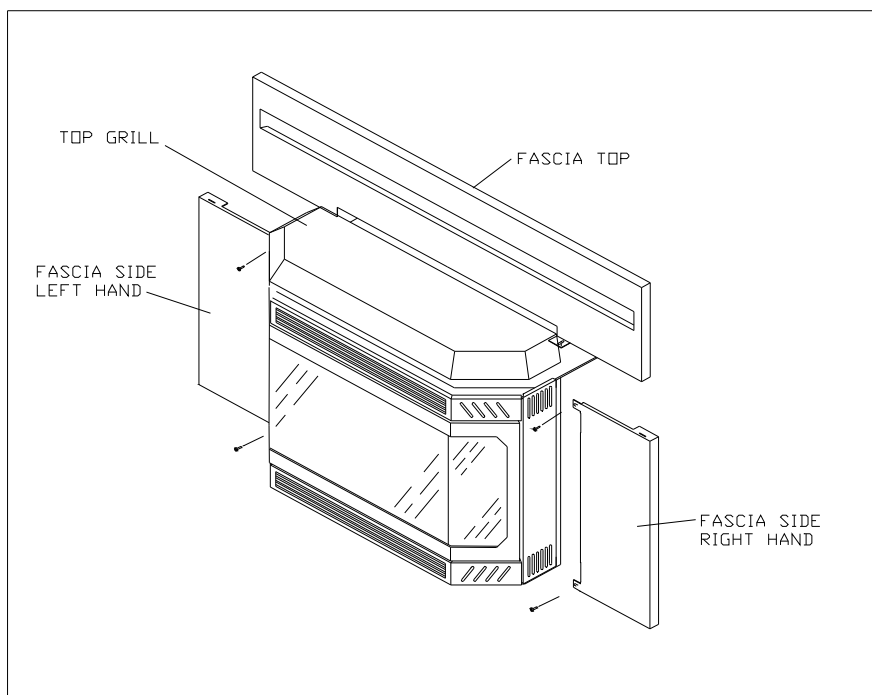
1. Attach the right and left fascia sides to the side panel support brackets using two screws on each side.
2. Connect the two ON/OFF wires to the rocket switch located in the right side of the fascia top panel.
3. Remove the Top Grill panel from the unit by removing 2x M6 bolts from under the firebox top. These are accessible by opening the side panels.
4. Attach the fascia top and the top grill panel to the top of the unit using the 2x M6 bolts. Ensure that the tabs on either side of the fascia top insert into the slots on the top of the fascia sides.
5. Route the power cord through the opening in the bottom of either the left or right side fascia.

Refer to diagram 9.

### **WARNING**

Failure to position the parts in accordance with this diagram or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

**DIAGRAM 9**



## **GAS COMSUMPTION BY GAS LAB NEW ZEALAND:**

### **Report No GL 354**

Tested under ideal / controlled conditions.

#### **Natural Gas**

**High**  
49.35 MJ/hr

**Low**  
24.67 MJ/hr

#### **LPG**

**High**  
44.57 MJ/hr  
or 0.96 kg/hr

**Low**  
22.285 MJ/hr  
or 0.46 kg/hr

## **GAS PRESSURE TEST**

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

The unit is preset to give the correct gas input at the specified manifold pressures shown on the compliance plate.

The manifold pressure is controlled by the regulator set in the gas supply line before the gas control valve, and should be checked at the pressure test point.

The pressure check should be carried out with the unit burning and setting should be with the limits specified on the compliance plate.

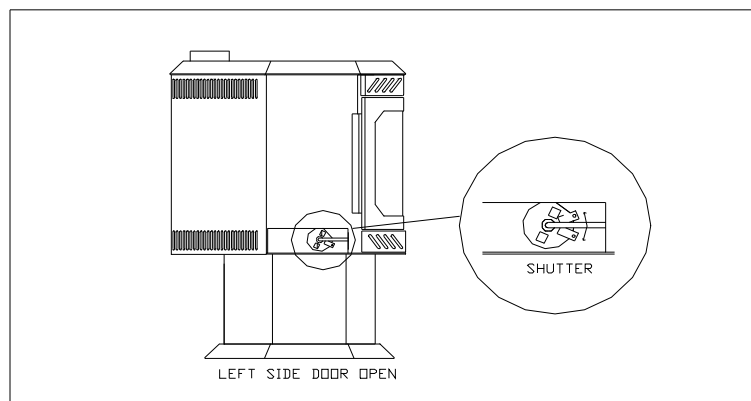
A qualified gas service technician should perform these tests.

## **PRIMARY AIR SHUTTER**

The primary air shutter is located at the end of the mixer tube as shown in diagram 10 and is accessed through the left side of the stove by opening the left side panel. The air shutter can be rotated to increase or decrease the primary combustion air as needed. **A qualified gas service technician should perform this adjustment.**

**NOTE: ANY SOOTING OR CARBON DAMAGE RESULTING FROM AN INPROPERLY SET PRIMARY AIR SHUTTER IS NOT COVERED UNDER WARRANTY.**

**DIAGRAM 10**



# INSTALLATION

## TEST FOR FLUE EXHAUST SPILLAGE- FREESTANDER

A “spillage” test must be made before the installed unit is ready for normal use.

Follow the procedure below:

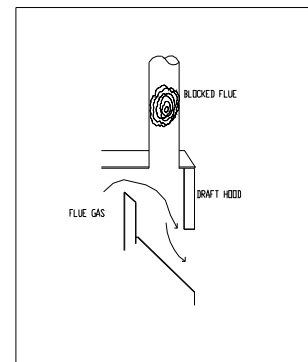
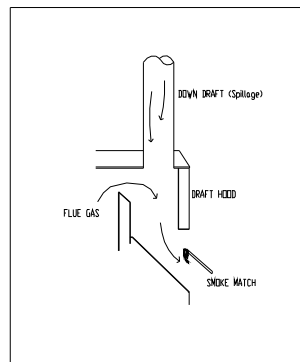
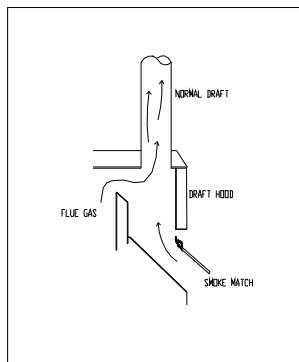
- 1) Start all exhaust fans in the home and then close all doors and windows in the room.
- 2) Light the unit and set controls to maximum. Turn fan off.
- 3) After five minutes, test that there is a pull on the flue by placing a smoke match or similar device that gives off smoke, on the edge of the draft hood. See diagram 11.

The smoke should be drawn into the draft hood, if it does not, then leave the unit on for another five minutes and retest as above. If the smoke is still not drawn in the draft hood, turn the unit off and check for the cause of the lack of draft. If necessary, seek expert advice. For turbulent sites, a wind cap may remedy the problem.

**NOTE:** If the flue is blocked or has a strong reverse flow, the thermally actuated safety switch mounted in the draft hood will automatically shut off the gas supply within about 10 minutes. If the heater turns off because of this during the spillage test, check for the cause of the lack of draft and if necessary, seek expert advice.

The heat actuated safety switch will automatically reset after the stove has reduced in temperature. The switch will continue to cycle until the draft problem is corrected.

DIAGRAM 11



# INSTALLATION

## TEST FOR FLUE SPILLAGE- INBUILT

A “spillage” test must be made before the installed unit is ready for normal use.

Follow the procedure outlined below:

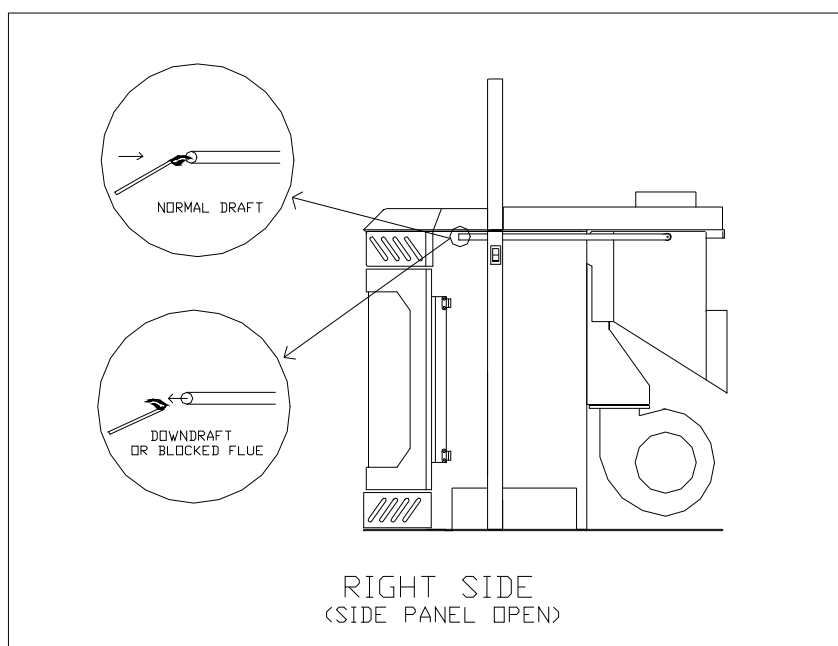
- 1) Start all exhaust fans in the home and then close all doors and windows in the room.
- 2) Light the unit and set the controls at maximum. Turn the fan off.
- 3) After five minutes, test that there is a “pull” on the flue by placing a smoke match or similar device which gives off smoke, in front of the spill tube. The spill tube is located on the right side of the unit and is accessed by opening the right panel. See diagram 12.

The smoke should be drawn into the spill tube, if it does not, then leave the unit on for another 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 be necessary to remedy the problem.

Draft Relief Openings must not be covered or blocked.

**DIAGRAM 12**



# **INSTALLATION**

---

(1) Optional wall thermostat installation

A wall thermostat may be installed. If desired, follow the wiring diagram on page 25.

The thermostat is supplied by Logaire, which is an approved Millivolt thermostat 250 – 75 Millivolt rated. Refer to page 25.

(2) Optional remote control

An optional hand remote control kit for turning the unit On and Off is available. Detailed instructions for the optional Remote Control are included with the kit.

<b>RECOMMENDED MAXIMUM LEAD LENGTH</b>	
(Two-Wire) when using wall thermostat (Millivolt)	
Wire Size	Max. Length
14 ga	328 meters
16 ga	210 meters
18 ga	131 meters
20 ga	82 meters
22 ga	60 meters

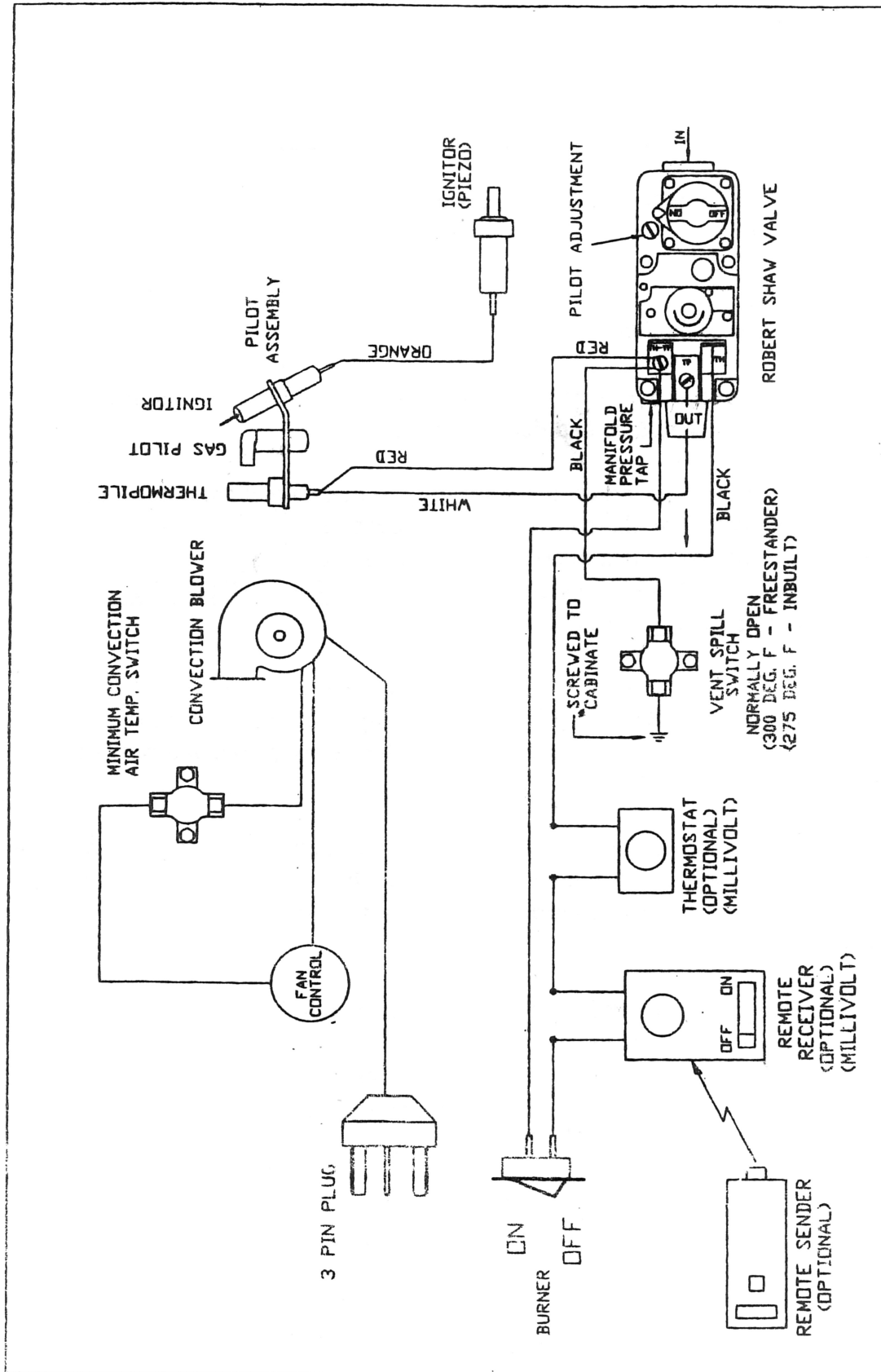
## **ELECTRICAL GROUNDING INSTRUCTIONS**

<p><b><u>WARNING</u></b></p> <p>This gas heater is equipped with a three-prong (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 grounding prong from this plug</p>
--



# INSTALLATION

DIAGRAM 13



# INSTALLATION

---

## LOG SET INSTALLATION

### **WARNING**

Hazardous operating conditions can occur if the logs are not positioned in their properly approved locations. Read and refer carefully to both the instructions and following diagrams. **DO NOT** under any circumstances use the log set if any of the logs are broken as this can interfere with the safe operation of the stove.

The gas log set contains three (3) logs, and an 8 oz. Bag of ember coals.

Rear Log  
Front Log  
Top Cross Log  
Bag of ember chunks

1. Carefully remove and unwrap the three (3) logs from the box. The logs are very fragile and should be handled with care.
2. Place the rear log (the largest diameter log) so that its feet are behind the rear log supports. The flat part of the log should be facing the rear brick panel. Push the log so that the rear is flush with the brick panel. The log is self-centring and should fit easily into place. **DO NOT FORCE THE LOG INTO PLACE.** Refer to diagram 14 page 29.
3. Place front log (the longest log) so the rear lower lip slips into the u-shaped front log guides. The pilot must be visible through the centre bottom of the front log. Centre the log from left to right
4. Position the top cross log onto the pins as shown in the Log Installation diagram. Incorrectly positioning this log could have as adverse affect on the flame pattern and cause carbon sooting and build up.
5. Open the bag of ember chunks and spread an even layer across the burner area in front of the front log, covering the burner holes. **DO NOT** force embers all the way back under the front log, but directly up to it. Spread the ember chunks around the ends and in front of the log to create a realistic look. You should use the entire bag of embers to accomplish this look.

# INSTALLATION TECHNICAL DATA

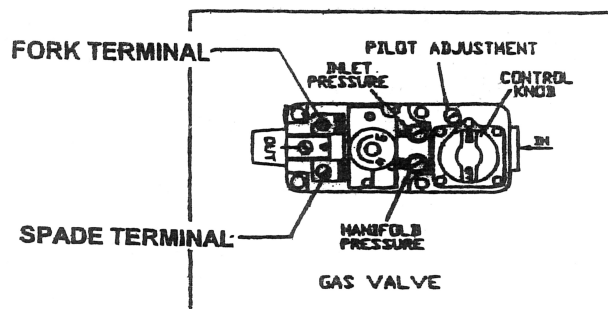
## RECOMMENDED GAS PIPE DIAMETER

Pipe Length (feet)	Schedule 40 pipe Inside Dia		Tubing, Type L Outside Dia	
	N.G.	L.P.	N.G.	L.P.
0 - 10	1/2"	3/8"	1/2"	3/8"
0 - 3 M	1.3cm	1.0cm	1.3cm	1.0cm
10 - 40	1/2"	1/2"	5/8"	1/2"
3 - 12 M	1.3cm	1.3cm	1.6cm	1.3cm
40 - 100	1/2"	1/2"	3/4"	1/2"
12 - 30 M	1.3cm	1.3cm	1.6cm	1.3cm
100 - 150	3/4"	1/2"	7/8"	3/4"
30 - 46 M	2.0cm	1.3cm	2.3cm	2.0cm

**NOTE: Some areas allow copper tubing  
Or galvanized pipe – check local codes  
Never use plastic pipe**

## GAS CONNECTION

The gas connection is 1/2" SAE 45 degrees flare fitting and is easily accessible at the rear of the BGV and on the right side of the BGI. The gas line can be rigid pipe or make installation easier use the listed flexible connector and manual shut-off valve if allowed by local building codes. For minimum and maximum supply pressure see the system data table.



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

Inlet and manifolds pressures can be checked using the ports provided on the control valve. These ports can be found on the valve between the variable flame control and the control knob, and are easily accessible for a test gage connection.

## NATURAL GAS OR PROPANE

The BGV and BGI gas stoves are available to burn either natural gas or propane. The burners are specifically manufactured to burn either one. Make sure the stove that you have purchased is equipped for the proper gas.

# **INSTALLATION TECHNICAL DATA**

---

## **HIGH ELEVATION**

<b>SYSTEM DATA</b>		
For 0 - 2,000 feet altitude*		
burner Inlet Orifices Sizes:	NAT	3.55
	LPG	1.75
* Above 2,000 feet see national Code Orifice Chart		
Input rating	NAT	LPG
	50,000 btu/h	48,000 btu/h
Supply Pressure	NAT	LPG Universal
Minimum	1.54 kPa	2.49 kPa
Maximum	1.99 kPa	2.99 kPa
Manifold	NAT	LPG
Pressure.92" to 0.22kPa		1.0" 2.74" kPa

## **ORIFICE SIZES AT ALTITUDE**

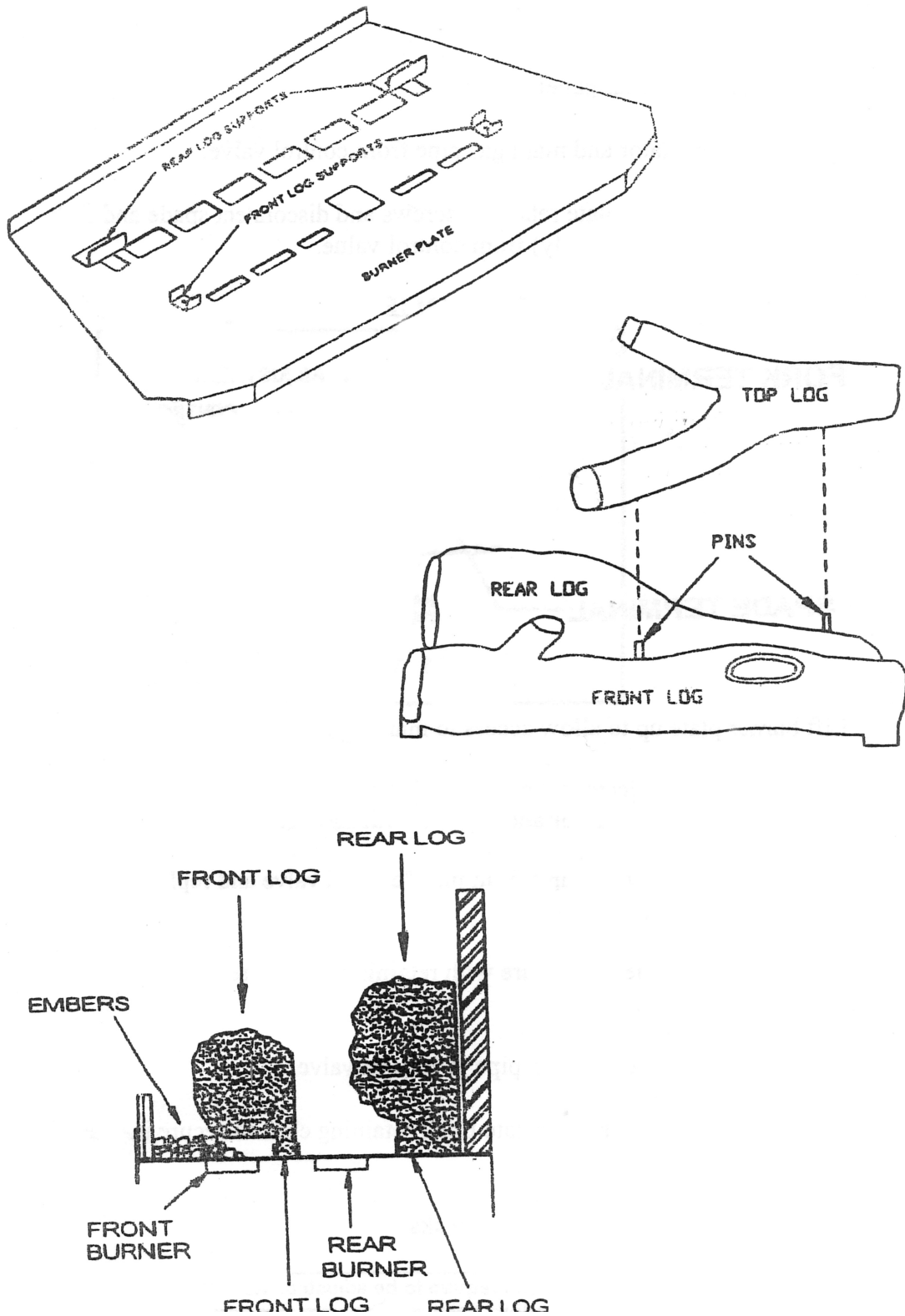
	SEA LEVEL	2000'	3000'	4000'	5000'	6000'	7000'	8000'	9000'	10,000'
NG	3.55	3.45	3.45	3.26	3.26	3.26	3.26	3.04	3.04	3.04
LPG	1.75	1.7	1.7	1.61	1.61	1.61	1.61	1.51	1.51	1.51

Note: If altitude is more than 500' above listing on chart use orifice specified at next higher altitude.

Example:     7250 ft use a 3.26  
                7650 ft use a 3.04

# INSTALLATION

**DIAGRAM 14**

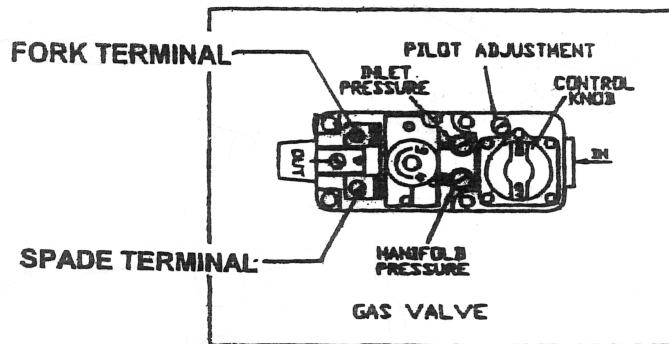


# INSTALLATION

## LPG CONVERSION INSTALLATION

- 1 Rotate brick retaining clips situated at top of side bricks only and carefully remove brick set.
- 2 Remove R/H side rear panel.
- 3 Disconnect regulator and main gas pipe from control valve.
- 4 Remove four burner plate retaining screws and disconnect spade and fork terminals (black cables only) from control valve.

**DIAGRAM 15**



- 5 Lift burner plate up to allow access to main injector tube.
- 6 Disconnect main injector tube from main control valve to mixer chamber, remove natural gas injector and replace with LPG gas injector.
- 7 Remove Hi-Low control unit from main control valve and replace with LPG conversion control valve.
- 8 Replace burner plate and secure with retaining screws, refit spade and fork terminals to control valve.
- 9 Fit LPG main gas conversion pipe to control valve.
- 10 Carefully replace brick set, rotate brick retaining clips to secure in-place brick set.
- 11 Replace rear panel and test for gas leaks.

<b>NOTE:</b>	<b>The pilot flame mixture will require to be adjusted. Remove adjustment cover screw – light pilot and adjust flame with adjustments screw until desired flame is acquired. When satisfied replace cover screw.</b>
--------------	--

# **MAUI ZERO CLEARANCE**

## **GENERAL DESCRIPTION**

This kit contains the necessary pre-assembled parts to build the zero clearance shell. After assembly the zero clearance shell may be framed into combustible construction and exhaust venting can be installed using standard B-vent. The Maui gas stove may be installed later. The base of the zero clearance shell may be installed directly on any flat solid continuous flooring material.

## **INSTALLATION NOTES & STAFETY**

This zero clearance shell is for use with the Maui Insert gas stove only.

Read all instructions before starting. Follow instructions carefully during zero clearance shell assembly to ensure proper assembly and installation. Failure to follow instructions or making any modifications to the zero clearance shell will void warranty and may create a fire hazard.

<p><b>WARNING:</b> Combustible materials must not extend inside the standoffs of the zero clearance shell.</p>
--

Due to high temperatures, the zero clearance shell and Maui gas stove should be located out of traffic areas and away from furniture and draperies.

This zero clearance shell has been tested (with Maui Insert gas stove) in accordance with, applicable sections of CAN 1-2.1-M86 Gas-Fired Room Heaters, ANSI Z21.11.1-1991 Gas-Fired Room Heaters and Warnock Hersey Gas Procedure Notice (GPN-004) for installation as described in the Installation and Assembly Instructions in the United States and Canada.

Installation must conform to local codes or in the absence of local codes, in the U.S.A with the current Nation Fuel Gas Code, ANSI Z233.1 1988, and in Canada the current installation code CAN/CGA – B149.1-M86.

## **REQUIRED COMPONENTS**

The following items are needed for installation of the zero clearance shell and are not provided with this kit:

Maui Insert Gas Stove

Maui Insert Fascia

Zero clearance flue kit as supplied by Metal Fab Industries.

# **MAUI ZERO CLEARANCE**

---

## **ASSEMBLY INSTRUCTIONS**

This zero clearance shell kit contains a base, a top sub-assembly, a two piece back panel, left and right side panels, a zero clearance skirt, (left hand end, right hand end, and main skirt) two flashing clips, and two skirt clips. Assembly screws are also included. Refer to diagram 16 on page 32 during assembly for part placement and orientation.

1. All assembly screws should be installed from the outside of the zero clearance shell. When installing assembly screws, do not over tighten causing screw holes to strip out.
2. Align the two skirt clips (H) with the mounting holes on side sheets (a) and (B). Make sure that the flanges on the skirt clips are to the front of the side sheets. Assembly screws may be inserted from the inside on this step.
3. Locate side panels (A) and (B) inside the flanges of the base (C). The standoffs on the side panels must be located to the outside of the zero clearance shell and the large holes in the side panels must be located towards the base. Fasten the side panels to base, but do not install the back screws at this time.
4. The back panel consists of a top and bottom piece. Attach the top back panel (D) to the rear side of the bottom back panel (J). Locate the back panel assembly (D&J) inside the flanges of the base and side panels. The standoffs on the back panel assembly must be located to the outside of the zero clearance shell and aligned with the standoffs on the side panels. Fasten the back panel to the base and sides panels, but do not install the top screws at this time.
5. Locate the top sub assembly (E) so that the bottom flanges are on outside of the back panel and the side panels. Fasten top sub assembly.
6. Align the two flashing clips (G) with mounting holes on side3 panels and fasten in place.
7. Assembly left hand skirt and right hand skirt to main skirt. Align the skirt (I) with skirt clips mounted in the side panels. The air holes in the skirt must be down towards the base of the zero clearance shell. Centre skirt and fasten in place.
8. Align the two side support clips (K) with mounting slot on side panels, and start the screws to hold in place, but do not completely tighten. The flanges on the support clips must be towards the front of the zero clearance shell.



# **MAUI ZERO CLEARANCE**

---

## **OPTIONAL FRESH AIR SUPPLY**

An optional outside combustions air supply may be added as follows.

1. Connect an aluminium flex pipe from the outside to the fresh inlet on the left side of the zero clearance shell. Be sure to use a proper exterior cover on the outside end of the flex line.

## **GAS SUPPLY LINE**

Only a qualified service person should install the gas supply line in accordance with all local building codes. If allowed by local building codes, a listed flexible gas line may be used. The gas line shall be piped to the lower right side of the zero clearance shell (see figure 18 on page 37).

For information regarding pressure testing and inlet pressure please refer to your *Maui Gas Stove Installation and Operating Instructions*.

## **INSTALLATION OF MAUI**

1. Insert the Maui into the zero clearance shell.
2. Slide the 100mm piece of B-vent pipe down into the exhaust collar of the Maui. Fasten both ends of the flex pipe with clamps.
3. To finish installation, please refer to your *Maui Vented Gas Stove Installation And Operating Instructions*.

<b>NOTE:</b> When installing the top flashing, be sure that the deflectors in the flashing slides into the flashing clips on the zero clearance shell ('G' in figure 16 page 36)
--

# **MAUI ZERO CLEARANCE**

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## **FRAMING**

Consult with your local building code agency and insurance representative before you begin your installation to ensure compliance with local building codes, including the need for permits and follow up inspections.

1. The framing enclosure must meet the minimum distance to combustibles and existing walls
2. Framing materials may be installed on or against the stand offs on the Maui zero clearance shell. For ease of installation, Maui recommends a minimum framed opening of 483mm deep by 965mm wide by 1047mm high (see figure 17 and 18 on page 37)
3. Framing materials must not block or cover up the fresh air inlet collar. Framing materials must maintain a minimum of one inch clearance to B-vent flue pipe.
4. In colder climates, if the heater is to be installed against an exterior wall or chase, insulate the exterior walls according to local building codes.
5. The vent chase must be built to a minimum of ceiling height at the same width and depth of the framed enclosure.

## **PLACEMENT AND FINISHING**

Place the assembled zero clearance shell into the framed enclosure. The front edges on the side sheets must be flush with the finished facing (see figure 17 and 19 on page 37 and 38). Hold finished and combustible facing 13mm from top of zero clearance shell (see figure 19 on page 38). Using the holes provided in the base, secure the zero clearance to the floor. A mantle and/or combustible trim may be located as shown in figures 17 and 18 on page 37.

## **VENTING**

Following all venting manufacturer's requirements and local building codes. Connect listed B-vent adaptor pipe directly to the exhaust collar of the Maui. 1/4" sheet metal screws may be used to fasten the B-vent to exhaust collar. The Maui incorporates its own internal draft hood, so no additional external draft hood is required.

# **MAUI ZERO CLEARANCE**

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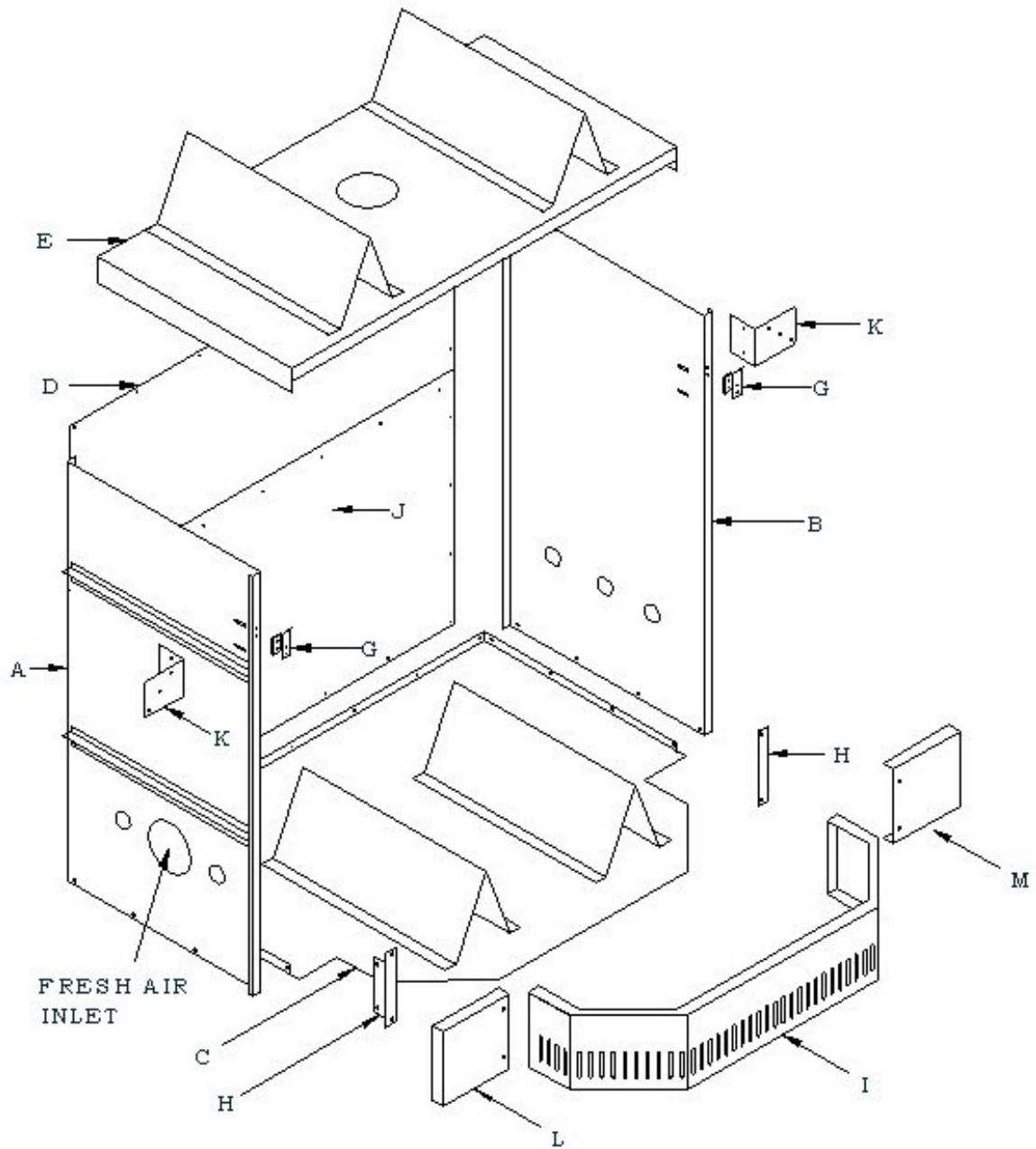
## **WIRING**

Only a qualified service person should install the electrical wiring in accordance with all local building codes. No higher than 100mm above the base, install as electrical box and outlet in the lower right hand corner. Wire the outlet for 240 volts. The power cord for the Maui will be plugged in here.

<p><b>NOTE:</b> Specifications given in this manual are indicative only. Please refer to the installing and operating instructions before installing your Logaire Maui Insert Fire. Logaire is always improving their range of products. All specifications are subject to change or variation without notification.</p>
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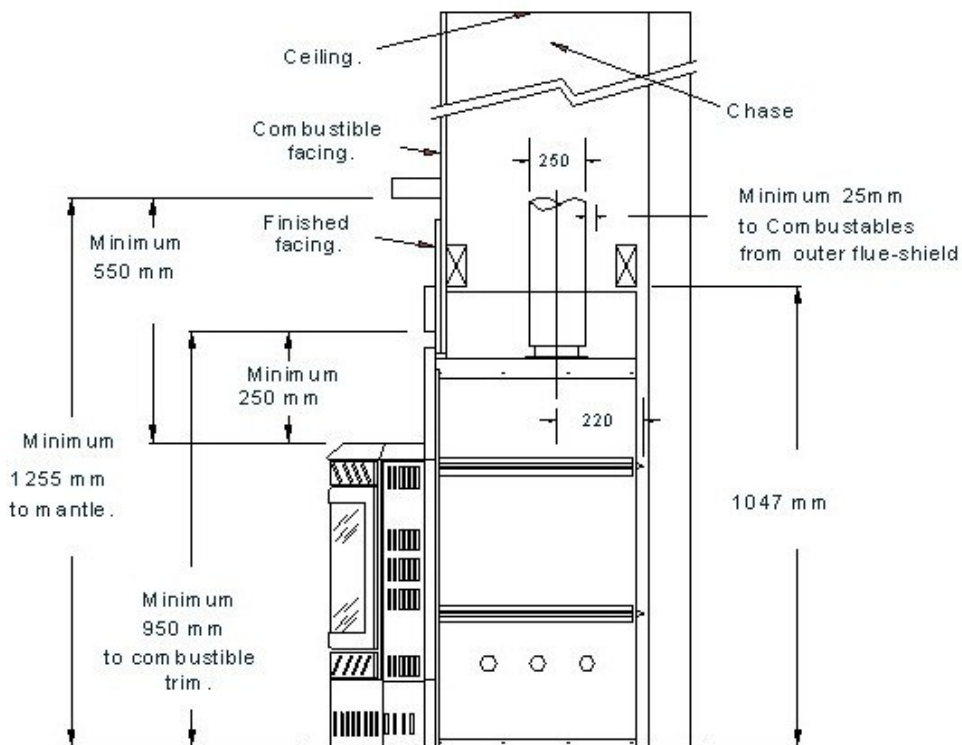
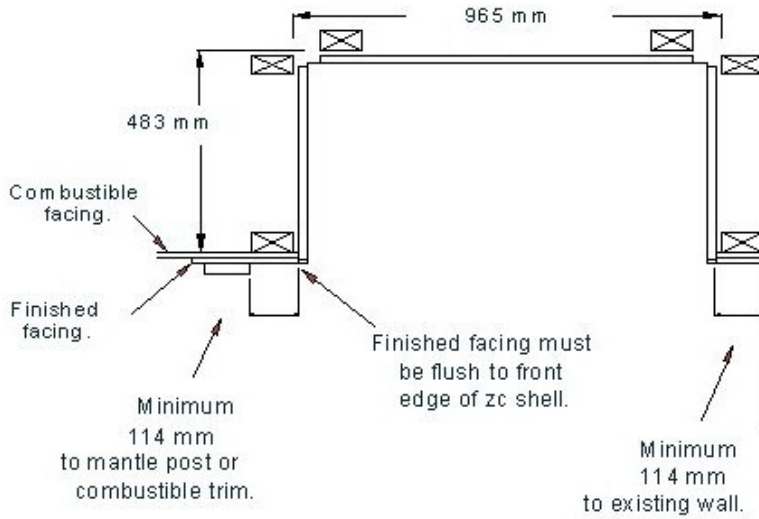
# MAUI ZERO CLEARANCE

DIAGRAM 16



# MAUI ZERO CLEARANCE

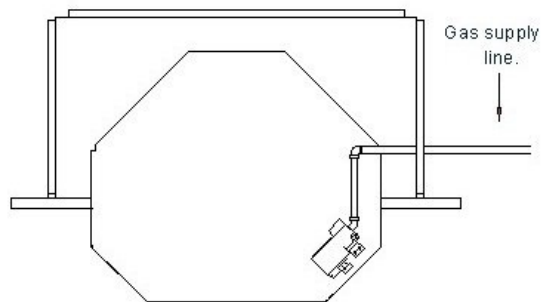
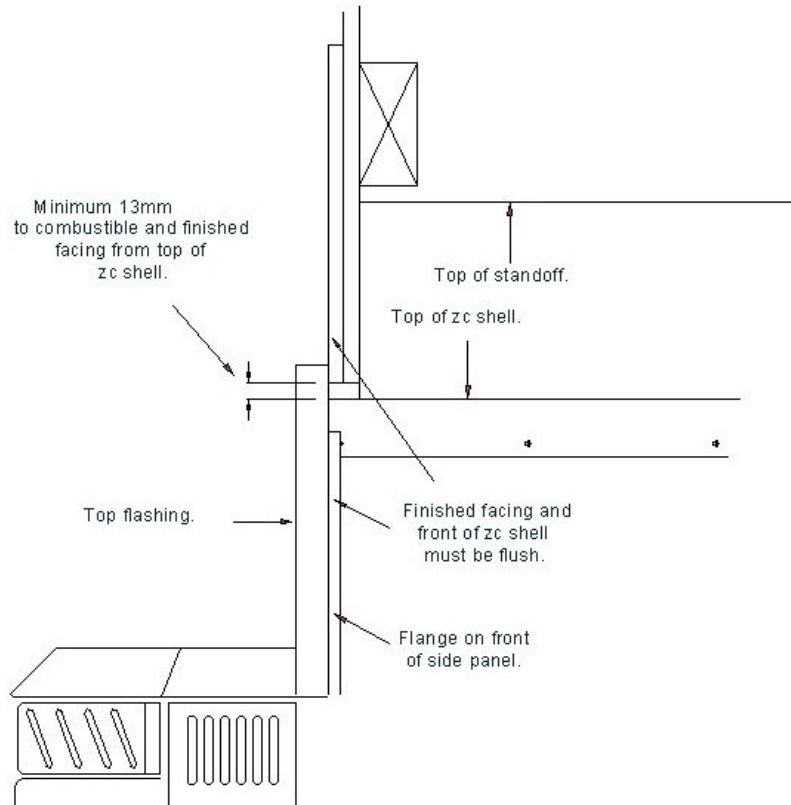
**DIAGRAM 17**



**DIAGRAM 18**

# MAUI ZERO CLEARANCE

**DIAGRAM 19**



**DIAGRAM 20**

# **MAUI ZERO CLEARANCE**

## **ZERO CLEARANCE VERTICAL DIRECT VENT GAS FLUE KIT INSTALLATION INSTRUCTIONS**

This flue kit has been manufactured in accordance with NZS 5261:1996. To ensure safety this flue kit must be installed as outlined in these instructions. Heater and flue clearances from combustible walls must be in accordance with heater manufacturers specifications and NZS 5261:1996.



- 1 Referring to diagram 21.  
Locate heater in its proposed position and mark the points for penetration that are directly above the centre of the heater's flue outlet. Check that the heater's location allows the OUTER HEAT SHIELD to clear all structural timbers.
- 2 Cut 175mm square holes where penetration is required to accommodate OUTER HEAT SHIELD
- 3 Fit timber nogs around holes where necessary.
- 4 Assemble OUTER HEAT SHIELD sections together ensuring seams are in line and secure with 3 rivets or self-tapping screws. Lower OUTER HEAT SHIELD through roof or chimney structure and fit to heater spigot. Check height the OUTER HEAT SHIELD penetrates roof or chimney structure. When calculating roof penetration height allow for an extra 300mm that can be achieved by using 3 pop rivets or screws and seal.
- 5 Fix an appropriate flashing around the OUTER HEAT SHIELD to seal onto the roofing or chimney material.
- 6 Assemble the 100mm stainless steel FLUE PIPES together ensuring all seams are in line using 3 pop rivets or screws and seal.
- 7 Lower stainless steel FLUE PIPES from the roof into the OUTER HEAT SHIELD (crimped ends towards the heater) and into the heater flue outlet.
- 8 Fit FLUE SPACER BRACKETS to FLUE if necessary to maintain air gap between FLUE PIPES and OUTER HEAT SHIELD.

**DIAGRAM 21**

## **MAUI ZERO CLEARANCE**

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- 9 Before securing the SLIP EXTENSION OUTER HEAT SHIELD to the OUTER HEAT SHIELD ensure the flue extends above the top of the SLIP EXTENSION OUTER HEAT SHIELD by a maximum of 25mm. Adjust SLIP EXTENSION to obtain this measurement.
- 10 Fix TOP FLUE SPACER BRACKET to the flue making sure logs fit snugly inside OUTER HEAT SHIELD or SLIP EXTENSION if used. Make sure TOP FLUE SPACER BRACKET fits down heard into the SLIP EXTENSION/OUTER HEAT SHIELD.
- 11 Fit GAS COWL into flue pushing down fully onto TOP FLUE SPACER BRACKET.

<b>NOTE:</b> It is the responsibility of the installer to ensure that the installation of this flue kit complies with the appliance manufacturers specifications for flues and that relevant Local Body requirements are adhered to.
--



# **MAINTENANCE**

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## **MAINTENANCE INSTRUCTIONS**

1. Always, turn off the valve before cleaning. For relighting instructions see label on stove. Keep the burner and control compartment clean by brushing and vacuuming at least once a year.  
When cleaning the logs, use a soft paintbrush as the logs are fragile and easily damaged.
2. Clean glass(**never when unit is hot**), appliance and grill with a damp cloth. Never use an abrasive cleaner. The gold louvres may be scratched if abrasives are used to clean them.  
The heater is finished in Vitreous Enamel and if looked after properly will last the life of the unit.
3. Make a periodic check of burner. Visually check the flame of the burner 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 service person, to ensure that the flow of combustion and ventilation air is not obstructed.

## **PILOT LIGHT**

**Correct pilot flame pattern has two strong blue flames: one flowing around the thermopile and igniter electrode, and one reaching towards the burner (it does not have to be touching the burner).**

Incorrect pilot flame pattern will have small, probably yellow flames, not coming into proper contact with the rear burner or thermopile.

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

## **LOG REPLACEMENT**

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 cause a burn. If for any reason a log should need replacing, you must use the proper replacement log. The position of these logs must be as shown in the diagram under Log Installation.

<b>NOTE:</b> <b>Improper positioning of logs may cause carbon build-up and will alter the unit's performance, which is not covered under warranty.</b>
--

## **MAINTENANCE**

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### **GOLD PLATED DOORS**

The gold plated finish on the door requires little maintenance, and need only be cleaned with a damp cloth when the unit is cool. **DO NOT** use abrasive materials or chemical cleaners, as they may harm the finish and void the warranty. Clean any fingerprints off before turning the unit on. **If the door starts to discolour, check the gasket seal and replace if necessary.**

### **DOOR GASKET AND GLASS GASKET**

If the door rope requires replacement, use a 16mm diameter round door rope. The glass requires a 3mm x 10mm flat tape. See your Logaire dealer.

### **REMOVAL AND REPLACEMENT OF BROKEN DOOR GLASS**

While wearing leather gloves(or any other gloves suitable for handling glass), carefully remove any loose pieces of glass from the doorframe. Dispose of all broken glass properly. Return the damaged door to your Logaire Dealer for repair or replacement.

<b>NOTE: Glass must be of correct ceramic type</b>
--

**Neither the appliance owner nor any other unauthorised person(s) should replace the door glass. An authorised Logaire Dealer must do all repairs involving door glass.**

### **FAN MAINTENANCE**

If your fan requires maintenance or replacement. Access the fan by removing the left-hand side rear panel and rear cover panel of the unit. To remove the fan, remove the 2 – M6 bolts holding the fan to the unit.

<b>NOTE: For the maintenance or replacement of the fan unit, call a qualified service technician</b>
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# **GAS TROUBLE SHOOTING GUIDE**

---

## **COMBUSTION**

Combustion – When oxygen reacts with a substance (fuel) to produce large amounts of heat.

## **REQUIREMENTS FOR COMBUSTION**

Fuel

Oxygen

Heat (Ignition temperature)

## **HEAT SOURCES AND TEMPERATURES**

Butane lighter – 3200 degrees

Stick match – 3000 degrees

Electric spark (blue) – 1700 degrees

Cigarette – 600-800 degrees

## **IGNITION TEMPERATURES**

Natural gas – 1100-1200 degrees

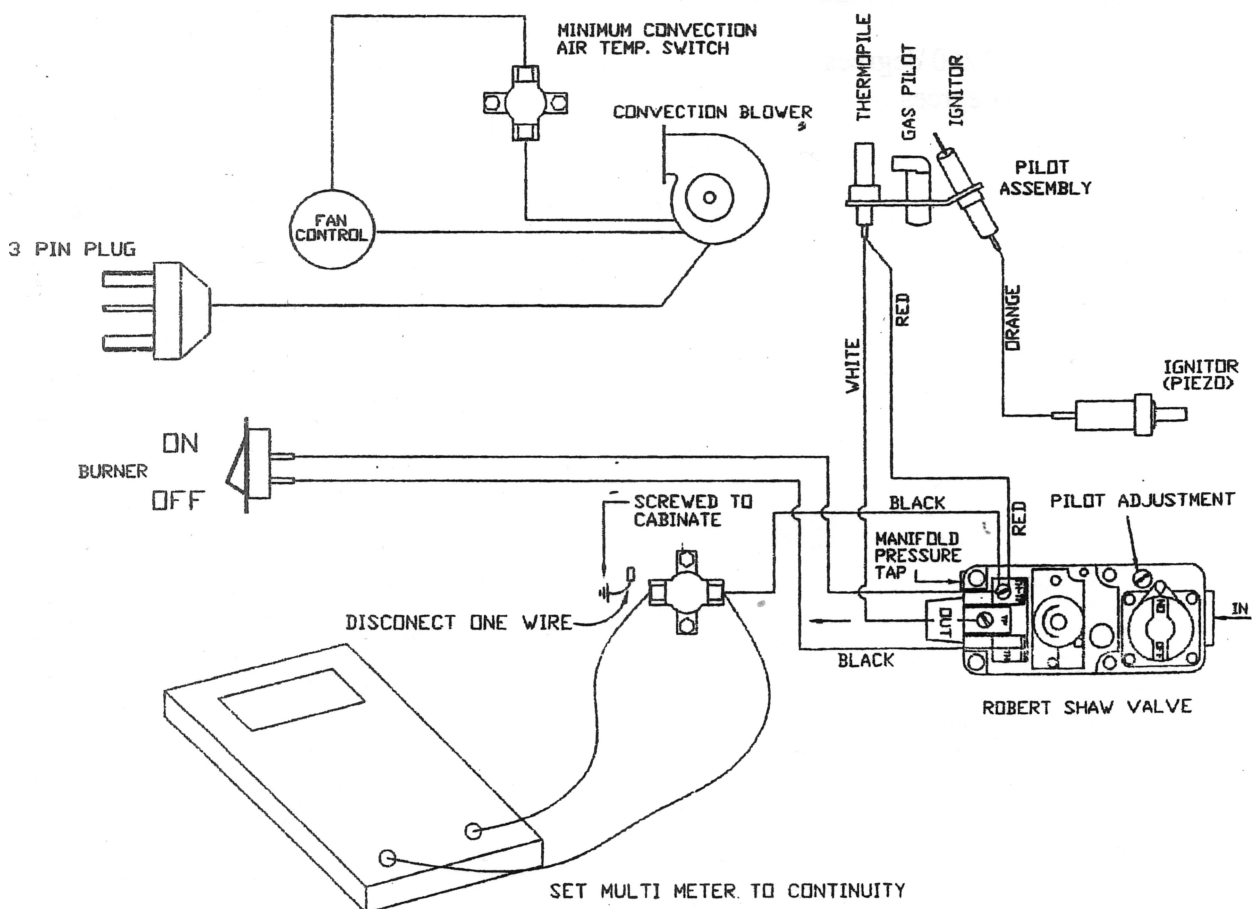
LP gas – 920-1120 degrees

# GAS TROUBLE SHOOTING GUIDE

## CHECKING WIRE CONNECTIONS

- 1 Checking for loose wire connections at the control head on main valve.
- 2 If connections are good on the control valve, disconnect one end of electrical circuit being tested. This is to prevent a "backdoor" or false readings. (See diagram 22).
- 3 Place one end of the test meter set at continuity to disconnected lead.
- 4 Put the other lead from test meter to the next connection.
- 5 If continuity is present, maintain connection with disconnected lead and proceed to the next connection in line. Do this until you find no continuity. This locates the bad connection or defective part.

DIAGRAM 22

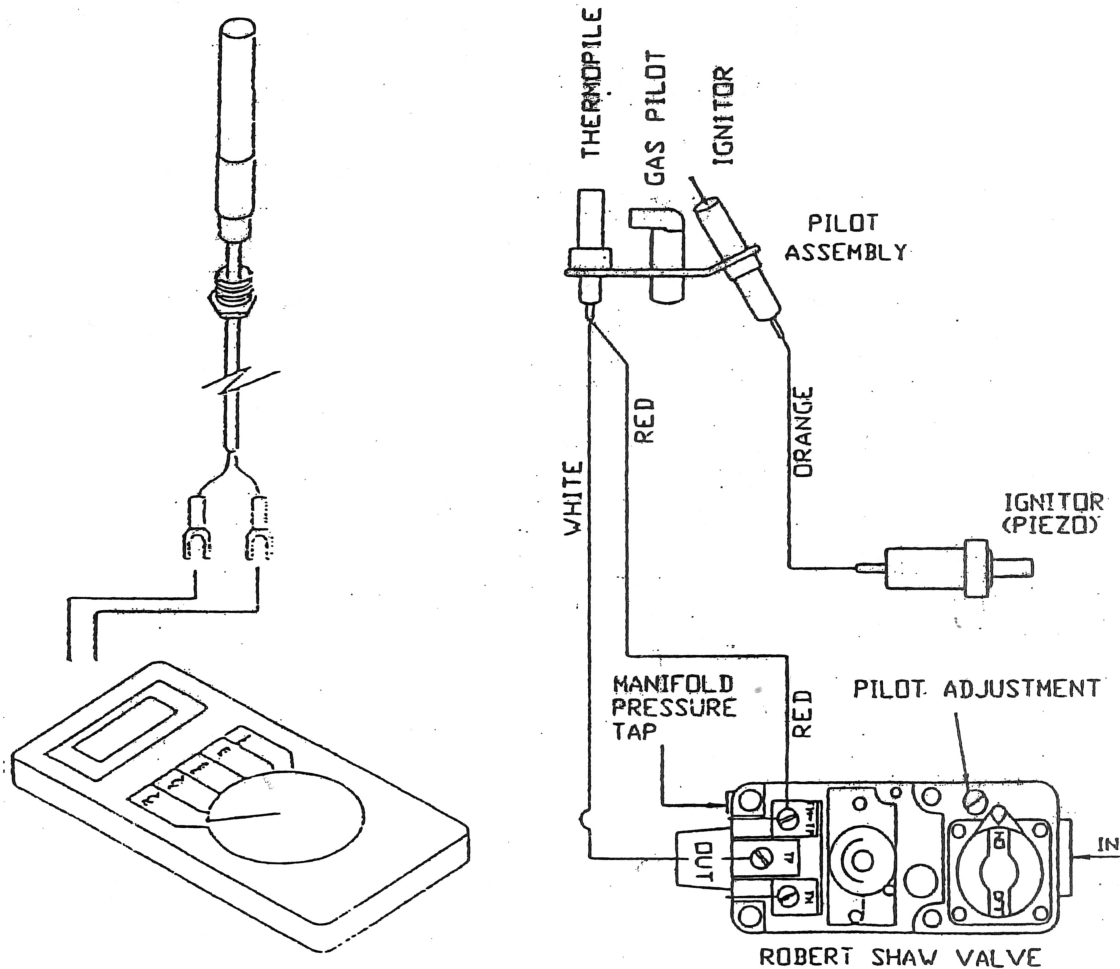


# GAS TROUBLE SHOOTING GUIDE

## CHECKING THERMOPILE

- 1 Isolate the thermopile by disconnecting it from the control valve.
- 2 Attach multi-meter set at DC millivolt setting.
- 3 Light the pilot. While making this test, control knob must be manually pushed in for 30 seconds.
- 4 Make sure the thermopile is engulfed in the pilot flame.
- 5 If the thermopile does not register at least 325 millivolts, the thermopile is defective and needs to be replaced (See diagram 23 ).

**DIAGRAM 23**

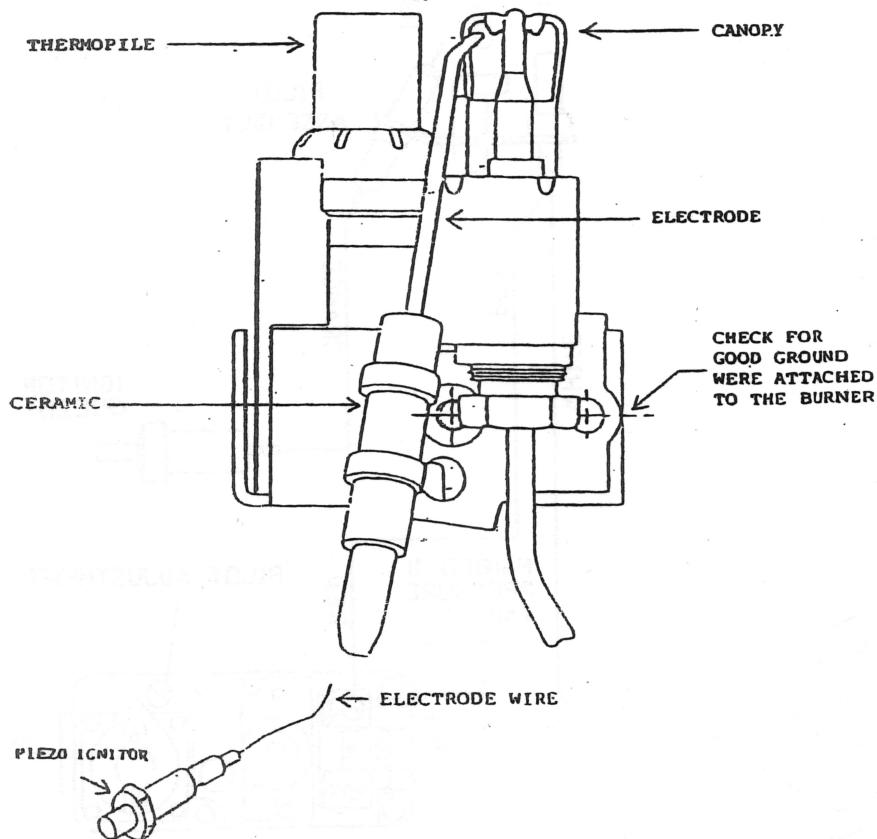


# GAS TROUBLE SHOOTING GUIDE

In order for the pilot to light, there must be sufficient spark at the pilot hood. To check this, do the following:

- 1 Make sure the Piezo igniter is securely grounded. (It grounds to the cabinet by contact.) Tighten if needed.
- 2 Make sure the electrode wire is connected.
- 3 Make sure electrode wire connections are not close to any metal. (Spark can jump from wire to the metal.)
- 4 Check the gap at the electrode tip to the canopy (1/8" approx.) – adjust if needed.
- 5 Inspect ceramic around electrode for cracks. If cracks are present igniter will not work and needs to be replaced (pilot assembly.)

**DIAGRAM 24**



# GAS TROUBLE SHOOTING GUIDE

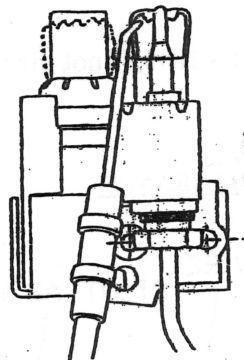
## WHEN THE PILOT WILL NOT STAY LIT

This section is a guide for trouble-shooting procedures for a pilot that will not stay lit.

### ADJUSTMENT OF THE PILOT FLAME

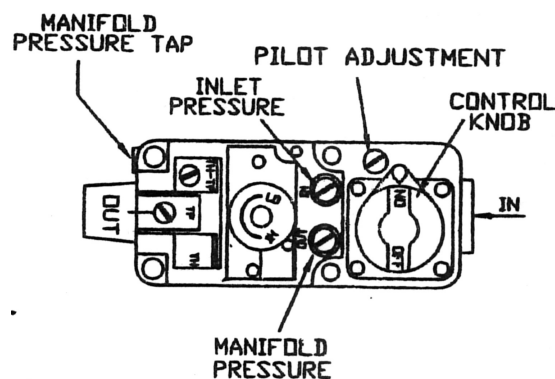
The image of the flame coming from the pilot canopy should not be mistaken as the flame to watch for pilot adjustment. The flame at the halo around the thermopile is most important. Adjust the flame so that it engulfs a good portion of thermopile exposed through pilot assembly. (See diagram 25.) No adjustment of canopy is needed.

DIAGRAM 25



If it is necessary to adjust the pilot height, locate the pilot adjustment screw, under the safety cap on the control valve. (See diagram 26.) Turn counter clockwise to increase pilot flame for maximum flame contact of the thermopile.

DIAGRAM 26



ROBERT SHAW GAS VALVE

If the pilot flame cannot be adjusted there may not be sufficient gas reaching the stove. If so, the inlet pressure will need to be checked. The local gas supplier is responsible for adequate gas volume and should be contacted.

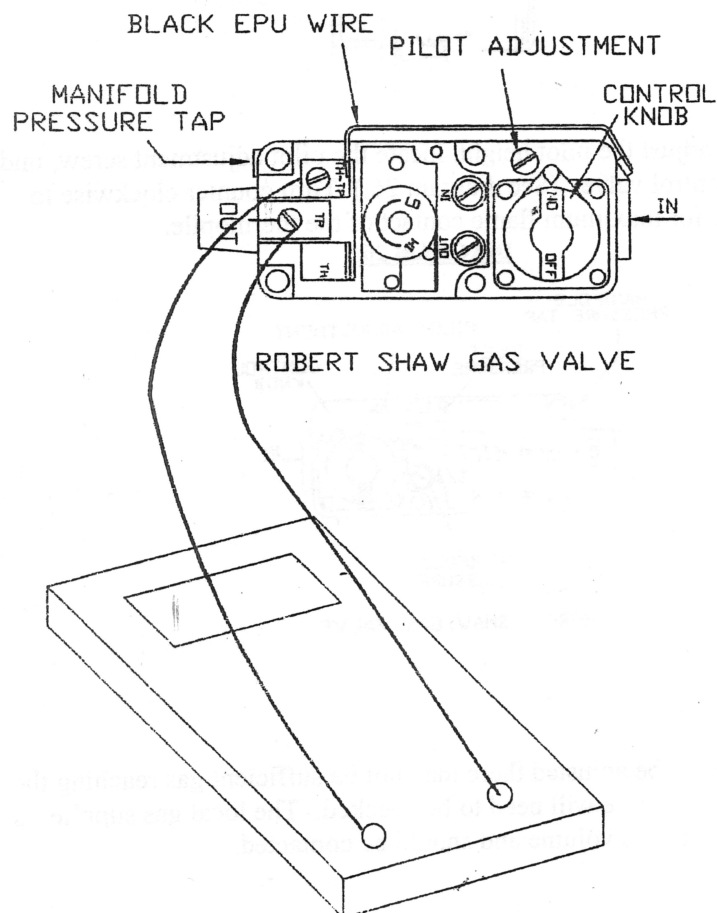
# GAS TROUBLE SHOOTING GUIDE

## ROBERTSHAW VALVE CHECK – MILLIVOLT SAFETY MAGNET

- 1 Remove all wires from operating head except the black EPU wire.
- 2 Set multimeter to OHMS
- 3 Place black lead of multimeter on TP terminal, but not on the connector screw.
- 4 Place red lead of multimeter on TP TH terminal, but not on the connector screw.

The reading should be 9 – 11 OHMS + - 10%, if not the valve is defective and must be replaced.

**DIAGRAM 27**





# **GAS TROUBLE SHOOTING GUIDE**

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## **CHECKING GAS PRESSURE WITH A MONOMETER**

MAKE SURE BURNER IS OFF. Remove lower centre grill to expose Robertshaw gas valve. Locate allen bolt legend by "pressure tap and remove using 3/16" allen wrench. Insert a monometer adaptor, hook up a 12" slack tube monometer. Zero out scale so that water level is balanced at zero. Monometer has a sliding scale. Light burner – water column will lower on one side and raise on the other. Natural gas reading should be +1.75" on one side of the zero and -1.75" on the other. This will give you a 3.50" total change in water column. Lp should be +5.5 on one side and -5.5 on the other giving you an 11.00" total water column change. These readings can only be obtained by having the adjustable control on high. If these readings cannot be reached you must check incoming pressure to the stove. If incoming pressure is sufficient, the only way to correct it on an adjustable flame control valve (Robertshaw) is to replace the regulator on the control valve.

## **WARRANTY**

Logaire Fires warrants to the original consumer purchaser that the Maui stove in its original installation is free from defects in material and workmanship from the original date of purchase as follows.

Non-electrical components are covered for three years. Electrical components and valves are covered for one year.

Glass, simulated logs and simulated bricks panels are warranted for one year only for thermal breakage.

This warranty covers defect in materials and workmanship in the above mentioned components, provided this product has been professionally installed and operated strictly in accordance with the instructions in this owner's manual. This does not cover damage or breakage caused by improper handling, misuse, abuse, overfiring, disassembly, unauthorised modification or other circumstances beyond Logaire's control.

If warranty service is needed during the warranty period, notify your nearest Authorised Logaire Dealer. Provide your name, address, phone number, serial number and model of the stove, date of purchase, name and address of installer and as much information as possible about the nature of the problem.

## **QUALITY ASSURANCE**

THIS COMPLIANCE HAS BEEN TESTED AND CERTIFIED FOR RELEASE AND COMPLIES WITH NATIONAL GAS & ELECTRICAL STANDARDS AND CODES OF PRACTICE.

SERIAL NO.

APPROVED BY

DATE APPROVED

## **WARRANTY**



**LOGAIRE**  
**Maui Gas Fire**

To be filled in and retained by customer on completion of installation: Metal Fab Industries Ltd,  
P O Box 58-473, Greenmount, Auckland Ph 09 274 8265 Fax 09 274 8472

Serial Number \_\_\_\_\_

Installed by \_\_\_\_\_

Date of installation \_\_\_\_\_

**Metal Fab Industries Ltd reserves the right to change specifications or design of its product without prior notice.**

**WARRANTY**



**LOGAIRE**  
**Maui Gas Fire**

**To be filled in and returned within thirty days of installation to:  
Metal Fab Industries Ltd, P O Box 58 473, Greenmount, Auckland  
Phone: 09 274 8265 Fax: 09 274 8472**

**Date of purchase .....**

**Serial Number.....**

**Dealer purchased from .....**

**.....**

**Installed by .....**

**Date of installation .....**

**Metal Fab Industries Ltd reserves the right to change specifications or design of its product without prior notice.**



PLACE STAMP  
HERE

**SEND TO:**

**Metal Fab Industries  
P O Box 58 473  
GREENMOUNT  
AUCKLAND**

Public/manufacturing/engineering+fires/fires/Logaire/maui/gasfires