

The Flame of Desire



GAS & WOOD
HEARTH SYSTEMS

GAS FIREPLACE INSERTS



model • KA25

The Osburn KA25 offers a host of standard features in a compact vented gas fireplace insert. The KA25 is a flush insert designed to fit into most small pre-fabricated zero clearance solid or gas fuel fireplaces or masonry solid fuel fireplaces. Convert your drafty inefficient wood burning fireplace with the KA25 to bring warmth and convenience into your home.

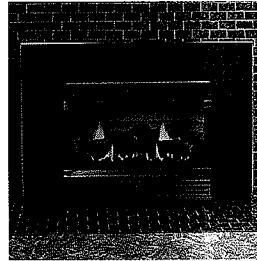
Styling Choices

Determine the style to suit your decor by choosing one of the following grille assemblies:

- A contemporary black assembly
- A contemporary gold accented assembly
- A traditional Victorian assembly with brass accents

Then choose one of the following faceplate sizes in either polished brass or black metallic finish, sized to suit your fireplace opening.

- Regular size 26" H x 38" W
- Large size 28" H x 41" W



Contemporary style flush gold accented grille and trim kit. Shown with black faceplate.

Standard Features

- 25000 BTU Input
- Ceramic Glass
- Dual Level Burner
- Ceramic Fibre Logs
- Glowing Embers
- Variable Speed, Heat Activated Fan System
- Faceplate Mounted On/Off Rocker Switch
- Variable Flame & Heat Control
- Stamped Refractory Panels

Contemporary style flush black grille and trim kit. Shown with optional polished brass faceplate.

model • KB25

The Osburn KB25 Bay Window Vented Gas Fireplace Insert features a distinctive three sided ceramic glass front. The KB25 is designed to fit into most small pre-fabricated zero clearance solid or gas fuelled fireplaces or masonry solid fuel fireplaces. If your fireplace is shallow the KB25 will fit into openings as shallow as 14". Outstanding performance combined with the distinction of a bay front, the KB25 is the answer.

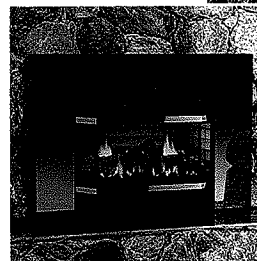
Styling Choices

Beyond bay window styling choose the look you want to match your decor with one of the following grille assemblies:

- A Bay Vista style black assembly
- A Bay Vista style gold accented assembly
- A Victorian Bay style assembly with brass accents

Then choose one of the following faceplate sizes in either polished brass or black metallic finish, sized to suit your fireplace opening.

- Regular size 26" H x 38" W
- Large size 28" H x 41" W



Victorian Bay style grille and trim kit Shown with optional polished brass faceplate.

Standard Features

- 25000 BTU Input
- 3 Piece Ceramic Glass
- Dual Level Burner
- Ceramic Fibre Logs
- Glowing Embers
- Variable Speed, Heat Activated Fan System
- Faceplate Mounted On/Off Rocker Switch
- Variable Flame & Heat Control
- Stamped Refractory Panels

Bay Vista style gold accented grille and trim kit. Shown with black faceplate.

G A S F I R E P L A C E

model • JF30

The JF30 is a flush gas insert designed to fit into masonry or larger sized pre-fabricated zero clearance solid or gas fuelled fireplaces. The Osburn JF30 is elegant, beautiful - and hearth warming, too! Experience *The Flame of Desire!*

Styling Choices

The JF30 is designed to offer a wide variety of alternate looks. Choose your style from one the following grille kits:

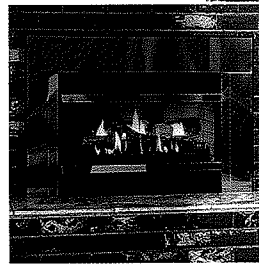
- Contemporary black with black bottom grilles
- Contemporary with gold trim and black bottom grilles
- Contemporary with gold trim and gold bottom grilles
- Traditional Victorian assembly with brass accents and black bottom grilles.

Then choose your designer bevelled faceplate, available in 3 sizes, with additional choice of finish in either black metallic, polished brass, forest green or ivory, or even gold plated (as shown on front cover.)

- Regular size 28" H x 41" W
- Medium size 32" H x 44" W
- Large size 32" H x 50" W

Standard Features

- 30000 BTU Input
- Ceramic Glass
- Dual Level Burner
- Ceramic Fibre Logs
- Glowing Embers
- Variable Speed, Heat Activated Fan System
- Faceplate Mounted On/Off Rocker Switch
- Variable Flame & Heat Control
- Stamped Refractory Panels
- 699 Square Inch Heat Exchanger



Victorian style flush grille and trim kit. Shown with optional polished brass faceplate.



Contemporary style flush gold accented grille and trim kit. Shown with black faceplate.

model • JD30

The Osburn JD30 is a Bay Window Gas Insert that will be the focal point of any room. Choose the 3 piece glass bay (as shown in photo) or upgrade to the one piece bent glass model to allow for an expanded and unobstructed view of the realistic fire. The distinctive look and captivating flame pattern, coupled with the energy-efficiency of gas brings warmth, style and convenience to your home.

Styling Choices

The JD30, like all Osburn Gas Fireplace Inserts, offers extensive styling options.

Choose the style to complement your living space by ordering one of the following grille assemblies:

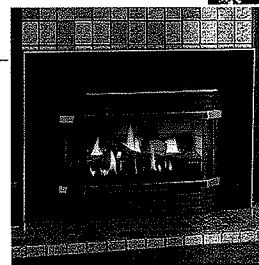
- A Bay Vista style black assembly with black bottom grilles
- A Bay Vista style gold assembly with black bottom grilles
- A Bay Vista style gold accented assembly with gold bottom grilles
- A Victorian style assembly with brass accents

Then choose your designer bevelled faceplate, available in 3 sizes, with additional choice of finish in either black metallic, polished brass, forest green or ivory, or even gold plated (as shown on front cover.)

- Regular size 28" H x 41" W
- Medium size 32" H x 44" W
- Large size 32" H x 50" W

Standard Features

- 30000 BTU Input
- 3 Piece Ceramic Glass
- Dual Level Burner
- Ceramic Fibre Logs
- Glowing Embers
- Variable Speed, Heat Activated Fan System
- Faceplate Mounted On/Off Rocker Switch
- Variable Flame & Heat Control
- Stamped Refractory Panels
- 699 Square Inch Heat Exchanger



Bay Vista style gold accented grille and trim kit. Shown with black faceplate.



Victorian Bay style Black grille and trim kit. Shown with optional polished brass faceplate.

I N S E R T S

model • CB36

The CB36 Direct Vent Flush Insert features large ceramic glass that radiates heat efficiently. This high efficiency appliance brings in combustion air from outside your home through a dual venting system and eliminates the heat loss associated with conventional chimneys. The CB36 is designed to fit into masonry, solid fuel or pre-fabricated zero clearance solid fuel or gas fireplaces.

Styling Choices

The Osburn CB36 Direct Vent Insert also offers a wide variety of styling options.

Choose your style by ordering one of the grille kits outlined below:

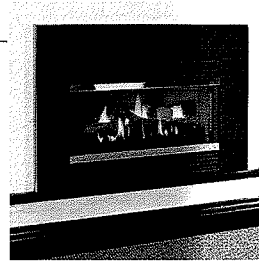
- Contemporary black with black bottom grilles
- Contemporary with gold trim and black bottom grilles
- Contemporary with gold trim and gold bottom grilles
- Traditional Victorian assembly with brass accent and black bottom grilles.

Then choose your designer bevelled faceplate, available in 3 sizes, with additional choice of finish in either black metallic, polished brass, forest green or ivory, or even gold plated (as shown on front cover.)

- Regular size 28" H x 41" W
- Medium size 32" H x 44" W
- Large size 32" H x 50" W

Standard Features

- 36000 BTU Input NG
- 30000 BTU Input LP
- 1 Piece Ceramic Glass
- Dual Lever Burner
- Ceramic Fibre Logs
- Glowing Embers
- Variable Speed, Heat Activated Fan System
- Heavy Duty Heat Exchanger
- Faceplate Mounted On/Off Rocker Switch
- Variable Flame & Heat Control
- Stamped Refractory Panels



Contemporary style flush gold accented grille and trim kit. Shown with optional green faceplate.



Contemporary style flush gold accented grille and trim kit. Shown with black faceplate.

model • CA36

The CA 36 is Osburn's unique Direct Vent Bay Window Insert that applies a sealed combustion or balanced flue system to efficiently heat your living space and maintain indoor air quality. If negative pressure and indoor air quality issues are a factor the CA36 is the answer. Choose the one piece formed glass front (as shown in photo) or the three piece model.

Styling Choices

To complement your decor, choose one of the following grille kits:

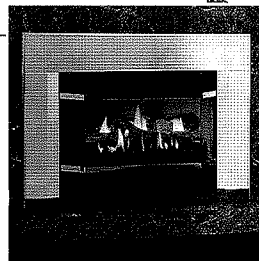
- A Bay Vista style black assembly with black bottom grilles
- A Bay Vista style gold assembly with black bottom grilles
- A Bay Vista style with gold trim and gold bottom grilles
- A Victorian Bay assembly with brass trim and black bottom grilles

Then choose your designer bevelled faceplate, available in 3 sizes, with additional choice of finish in either black metallic, polished brass, forest green or ivory, or even gold plated (as shown on front cover.)

- Regular size 28" H x 41" W
- Medium size 32" H x 44" W
- Large size 32" H x 50" W

Standard Features

- 36000 BTU Input NG
- 30000 BTU Input LP
- Ceramic Glass
- Dual Level Burner
- Ceramic Fibre Logs
- Glowing Embers
- Variable Speed, Heat Activated Fan System
- Heavy Duty Heat Exchanger
- Faceplate Mounted On/Off Rocker Switch
- Variable Flame & Heat Control
- Stamped Refractory Panels



Bay Vista style gold accented grille and trim kit. Shown with optional ivory faceplate.



Bay Vista style gold accented grille and trim kit. Shown with black faceplate.

HOW TO CHOOSE YOUR OSBURN GAS INSERT

Step 1. Determine Application

- vented or direct vent

Step 2. Determine Size of Fireplace Opening

- K-Series for smaller fireplaces
- J-Series or C-Series (depending on application)

Step 3. Determine The Look You Want

- Flush faced or bay window

Step 4. Determine The Style You Want

- Choose 1 of the various grille and trim kit options

Step 5. Determine The Type of Faceplate

- By size, colour, brass or gold plated

Options on Osburn Gas Inserts

- Millivolt wall thermostat (all inserts)
- Hand held remote control (all)
- Zero clearance kit (K&J-Series)
- 4 sided trim kit (K-Series)
- Fibre refractory panels (J&C-Series)
- Polished brass arch door trim (J-Series)
- Faceplate arch trim kit (J&C-Series)

KA25 Styling Choices - choose 1 of 3 styles

Contemporary Style Flush Black Grille & Trim Kit *includes:*

- top black louvre
- black door trim
- black bottom grilles

Contemporary Style Flush Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- black bottom grilles

Victorian Style Flush Grille & Trim Kit *includes:*

- top brass louvre
- brass door trim
- black bottom grilles

KB25 Styling Choices - choose 1 of 3 styles

Bay Vista Style Black Grille & Trim Kit *includes:*

- top black louvre
- black door trim
- black bottom grilles

Bay Vista Style Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- black bottom grilles

Victorian Bay Style Grille & Trim Kit *includes:*

- top brass louvre
- brass door trim
- black bottom grilles

JF30 Styling Choices - choose 1 of 4 styles

Contemporary Style Flush Black Grille & Trim Kit *includes:*

- top black louvre
- black door trim
- black bottom grilles

Contemporary Style Flush Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- black bottom grilles

Contemporary Style Flush Deluxe Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- gold plated bottom grilles

Victorian Style Flush Black Grille & Trim Kit *includes:*

- top brass louvre
- brass door trim
- black bottom grilles

JD30 Styling Choices - choose 1 of 4 styles

Bay Vista Style Black Grille & Trim Kit *includes:*

- top black louvre
- black door trim
- black bottom grilles

Bay Vista Style Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- black bottom grilles

Bay Vista Style Deluxe Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- gold plated bottom grilles

Victorian Bay Style Grille & Trim Kit *includes:*

- top brass louvre
- brass door trim
- black bottom grilles

CB36 Styling Choices - choose 1 of 4 styles

Contemporary Style Flush Black Grille & Trim Kit *includes:*

- top black louvre
- black door trim
- black bottom grilles

Contemporary Style Flush Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- black bottom grilles

Contemporary Style Flush Deluxe Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- gold plated bottom grilles

Victorian Style Flush Black Grille & Trim Kit *includes:*

- top brass louvre
- brass door trim
- black bottom grilles

CA36 Styling Choices - choose 1 of 4 styles

Bay Vista Style Black Grille & Trim Kit *includes:*

- top black louvre
- black door trim
- black bottom grilles

Bay Vista Style Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- black bottom grilles

Bay Vista Style Deluxe Gold Accented Grille & Trim Kit *includes:*

- top gold plated louvre
- gold plated door trim
- gold plated bottom grilles

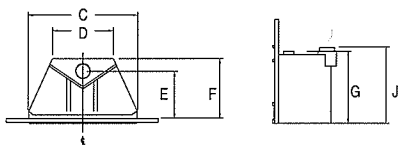
Victorian Bay Style Grille & Trim Kit *includes:*

- top brass louvre
- brass door trim
- black bottom grilles

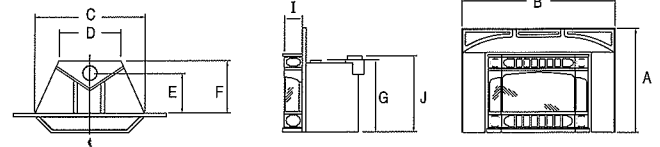
GAS FIREPLACE INSERTS

Specifications

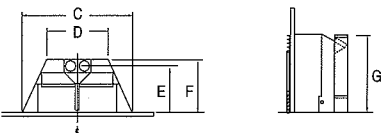
KA25 & JF30



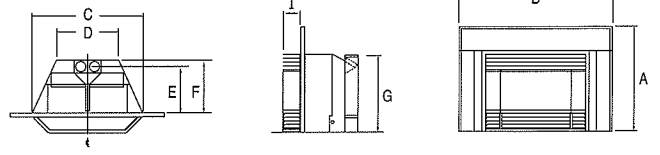
KB25 & JD30



CB36



CA36



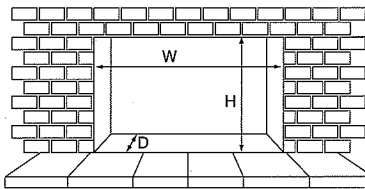
Minimum Fireplace Openings

KA25

28" (711 mm) W x 18" (457 mm) H x 16" (406 mm) D

JF30 & CB36

31" (787 mm) W x 20.5" (521 mm) H x 17.3" (439 mm) D



KB25

28" (711 mm) W x 18" (457 mm) H x 13.88" (353 mm) D

JD30 & CA36

31" (787 mm) W x 20.5" (521 mm) H x 16" (406 mm) D

KA25

Regular faceplate

- A. 26" (660 mm)
- B. 38" (965 mm)

Oversize faceplate

- A. 28" (711 mm)
- B. 41" (1041 mm)

- C. 26" (660 mm)
- D. 16" (406 mm)
- E. 13" (330 mm)
- F. 16" (406 mm)
- G. 18" (457 mm)
- J. 19" (483 mm)

KB25

Regular faceplate

- A. 26" (660 mm)
- B. 38" (965 mm)

Oversize faceplate

- A. 28" (711 mm)
- B. 41" (1041 mm)

- C. 26" (660 mm)
- D. 16" (406 mm)
- E. 11" (279 mm)
- F. 13.88" (353 mm)
- G. 18" (457 mm)
- I. 3" (76 mm)
- J. 19" (483 mm)

JF30

Regular faceplate

- A. 28" (711 mm)
- B. 41" (1041 mm)

Medium faceplate

- A. 32" (813 mm)
- B. 44" (1118 mm)

- Large faceplate**
- A. 32" (813 mm)
- B. 50" (1270 mm)
- C. 31" (787 mm)
- D. 18.88" (479 mm)
- E. 14.30" (363 mm)
- F. 17.30" (439 mm)
- G. 20.50" (521 mm)
- J. 22.50" (572 mm)

JD30

Regular faceplate

- A. 28" (711 mm)
- B. 41" (1041 mm)

Medium faceplate

- A. 32" (813 mm)
- B. 44" (1118 mm)

- Large faceplate**
- A. 32" (813 mm)
- B. 50" (1270 mm)
- C. 31" (787 mm)
- D. 18.88" (479 mm)
- E. 13" (330 mm)
- F. 16" (406 mm)
- G. 20.50" (521 mm)
- I. 4.20" (107 mm)
- J. 22.50" (572 mm)

CB36

Regular faceplate

- A. 28" (711 mm)
- B. 41" (1041 mm)

Medium faceplate

- A. 32" (813 mm)
- B. 44" (1118 mm)

- Large faceplate**
- A. 32" (813 mm)
- B. 50" (1270 mm)
- C. 30" (762 mm)
- D. 17.76" (451 mm)
- E. 15" (381 mm)
- F. 16.7" (424 mm)
- G. 20" (508 mm)

CA36

Regular faceplate

- A. 28" (711 mm)
- B. 41" (1041 mm)

Medium faceplate

- A. 32" (813 mm)
- B. 44" (1118 mm)

- Large faceplate**
- A. 32" (813 mm)
- B. 50" (1270 mm)
- C. 30" (762 mm)
- D. 17.76" (451 mm)
- E. 12.3" (312 mm)
- F. 15" (381 mm)
- G. 20" (508 mm)
- I. 3.80" (96 mm)



WARNOCK HERSEY



GAS & WOOD
HEARTH SYSTEMS

OSBURN MANUFACTURING

6670 Butler Crescent, Saanichton, B.C., V8M 2G8, Canada
Web Site: www.osburn-mfg.com • E-mail: info@osburn-mfg.com

AUTHORIZED DEALER



TESTING STANDARDS (K & J Series)

Tested to: CAN/CGA 2.1 M86, ANSI Z 21.11.1-1993 gas fired vented room heaters, CAN/CGA 2.17-M91 gas fired appliances for use at high altitudes, CGA P.4.1-1996 DRAFT A, WH-GPN-004 and WH-GPN-001.

TESTING STANDARDS (C Series)

Tested to ANZI Z21.44B-1993/CAN 1-2, 19-M81 Gas Fire Gravity and Fan Type Direct Vent Wall Furnace INT. REQ. 41,55



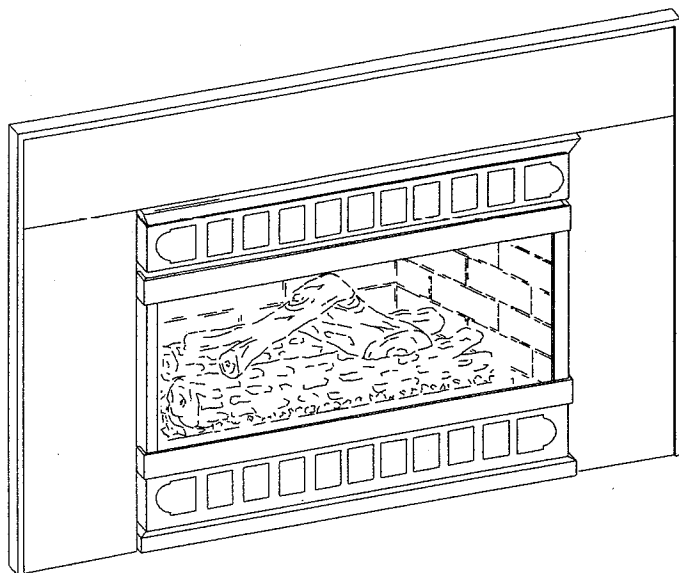
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03/98

OSBURN

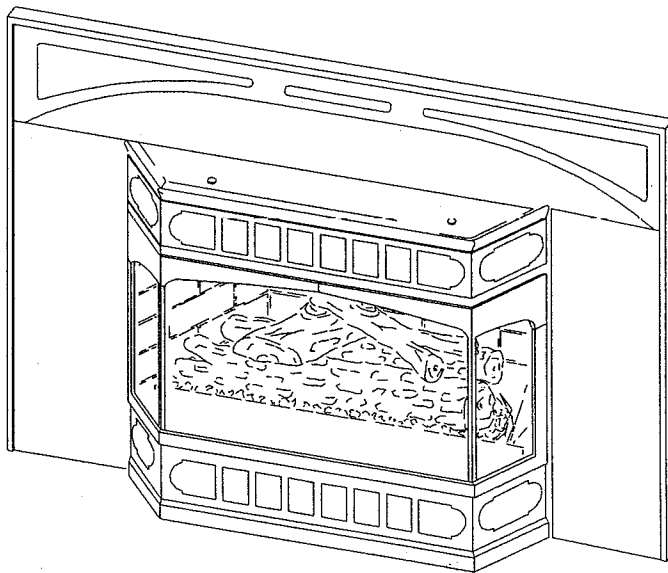
J - SERIES

Gas Fireplace Inserts

Installation and Operating Instructions



FLUSH



BAY

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

FOR YOUR SAFETY

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

- Open windows
- Extinguish any open flame
- Do not try to light any appliance
- Do not touch any electrical switch
- Do not use any phone in your building
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier call the fire department.

WARNING

Improper installation, service, adjustment, alteration, 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.

Please read this manual before installing or using this appliance. Retain this manual for future reference.

ISO
9002

WARNOCK HERSEY



GAS & WOOD
HEARTH SYSTEMS

Certified for Australia
Patents Pending
Made in Canada
03/24/99 JD2061

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1.0 INTRODUCTION

1.1 SPECIFICATIONS

TABLE 1 SPECIFICATIONS

ITEM	NATURAL GAS (NG)	PROPANE (LPG)
INPUT: High	30,000 Btu/hr (31.6 MJ/hr)	30,000 Btu/hr (31.6 MJ/hr)
Low	21,000 Btu/hr (22.1 MJ/hr)	22,500 Btu/hr (23.7 MJ/hr)
NORTH AMERICAN Flue Loss: EFFICIENCY: Fan off	74 %	77 %
Fan on	77 %	79 %
OUTPUT: Fan off	22,200 Btu/hr (23.4 MJ/hr)	23,100 Btu/hr (24.4 MJ/hr)
Fan on	23,100 Btu/hr (24.4 MJ/hr)	23,700 Btu/hr (25.0 MJ/hr)
AFUE: EFFICIENCY: Fan off	64%	
AUSTRALIAN Thermal: EFFICIENCY: Without Fan	63%	63%
With Fan	67%	67%
MANIFOLD PRESSURE:	3.5" w.c. (0.9 kPa)	10.0" w.c. (2.5 kPa)
GAS INLET SUPPLY PRESSURE:	Minimum: 5.0" w.c. (1.2 kPa)	Minimum: 11.0" w.c. 2.7kPa
	Normal: 7.0" w.c. (1.7 kPa)	Normal: 13.5" w.c. (3.4 kPa)
	Maximum: 13.5" w.c. (3.4 kPa)	Maximum: 13.5" w.c. (3.4 kPa)
ORIFICE SIZE: @ 0 - 2000'	#34 drill (.111" DIA.)	#51 drill (.067" DIA.)
(Canada only) @ 2000' - 4500'	#37 drill (.104" DIA.)	#52 drill (.064" DIA.)
CONTROL VALVE TYPE:	SIT 820 Nova	SIT 820 Nova
SHIPPING WEIGHT:	111 lb. (50 kg)	111 lb. (50 kg)
FLUE OUTLET SIZE:	4"DIA. (102mm)	4"DIA. (102mm)
FAN:	Variable Speed (110 Volt) Single Speed (240 Volt) Dual Speed (240 Volt)	

NOTE: The efficiency rating of the appliance is a product thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system. AFUE was tested by Manufacturer

Options: Gold Faceplate Green Faceplate
 Brass Faceplate Ivory Faceplate
 Black Faceplate Ebony Faceplate
 Brass Arch Kit Thermostat
 Remote Control

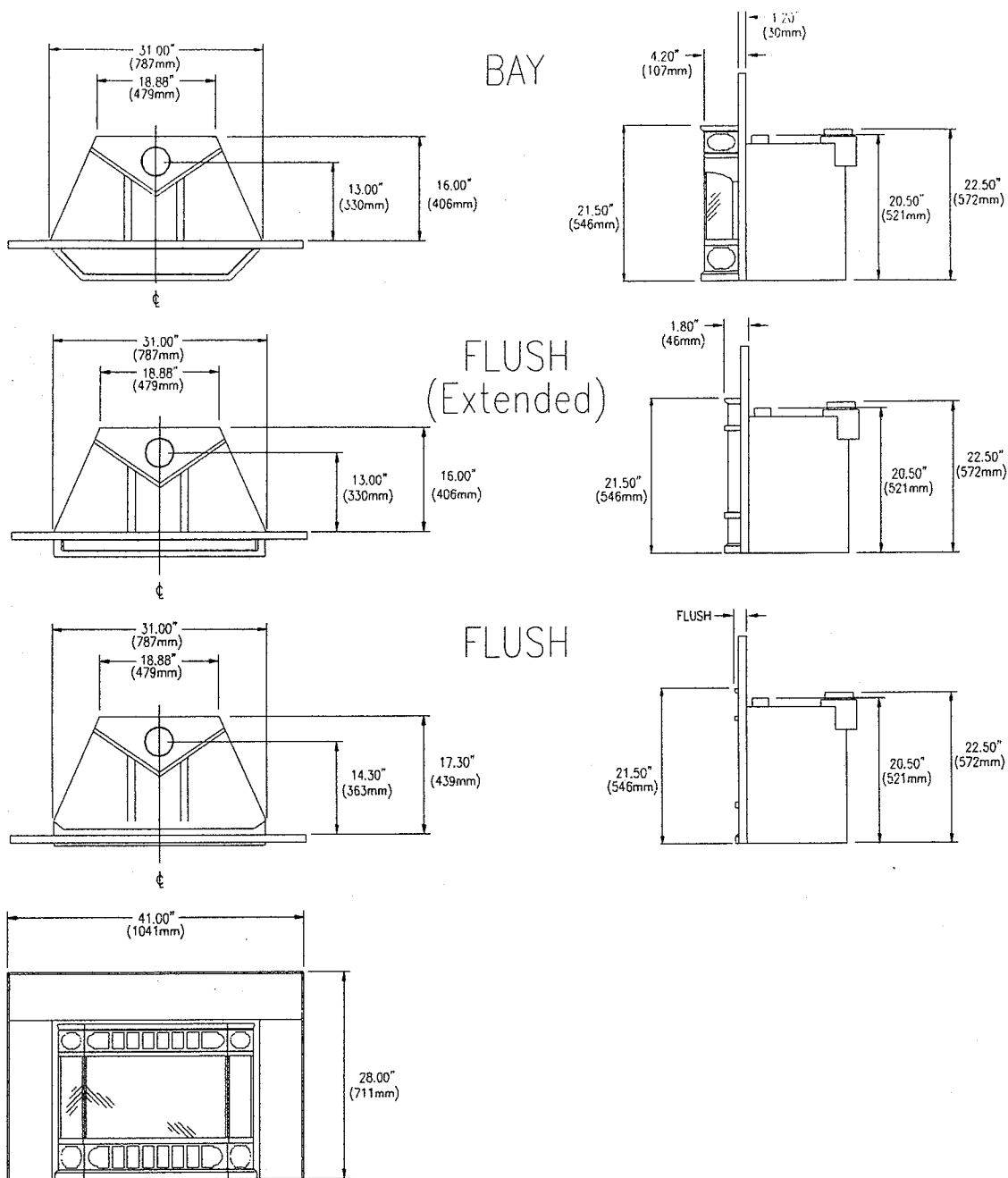


Figure 1

INSTALLATION CODES

Installation must conform to local codes. In the absence of local codes, installation must conform to the National Fuel Gas Code, ANSI Z233.1 1988, (in the U.S.), or with the current installation code CAN/CGA B149.1-M86 (in Canada). In Australia, the Australian Gas Association installation code for gas burning heaters and equipment must be used. The heater, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electric Code ANSI/NFPA No. 70-1990 (in the U.S.) or with the current CSA C22.1 Canadian Electrical Code (in Canada).

1.2 FEATURES

Ignition system:

Standing pilot ignition system with thermopile and thermocouple flame detection and piezo igniter.

Gas control:

Gas control valve type:

Automatic millivolt powered combination gas control valve with variable flame control for convenience, and on/off switch. Optional remote on/off wall switch, optional wall thermostat, and/or optional wireless remote control are available. The gas valve does not require electricity from an external source.

Fan control:

Variable Speed Control:

For units equipped with a fan control, the knob controls the fan speed in connection with a heat sensitive switch which turns on when the heater reaches operating temperature. Turning the knob counter-clockwise ← turns it to the "OFF" position.

Auto/Off Switch: (Single Speed 240 Volt)

For units equipped with a single speed fan switch, the fan may be switched between the "Automatic" & the "Off" settings.

High/Off/Low: (Dual Speed 240 Volt)

For units equipped with a double speed fan switch, the fan may be switched between the "High", "Off", & the "Low" settings.

Safety controls:

A safety switch will shut the system down in the event of any one of the following conditions:

- Incorrectly installed vent system
- Blocked vent causing flue spillage
- Flow reversal or sustained down draft situation

Draffhood:

The appliance is provided with a draffhood design which minimizes the effects of down drafts or flue blockages on the quality of combustion. It will vent out of the appliance upon down draft or flue blockage and, by design, it exhausts to the same pressure zone as the combustion air inlet to the appliance.

1.3 INTENDED USE

This appliance is intended to be used as a heater, when installed as an insert for code complying masonry, or listed factory built solid fuel burning fireplaces which meet the minimum requirements as described in detail in the installation instructions. This insert is certified for installation in a bedroom or a bed sitting room where the maximum input is within 50 cubic feet per 1000 Btu/hr, (ie. 1250 cubic feet). All bedroom installations require the use of wall thermostats.

1.4 GENERAL SAFETY

The appliance **must** be properly connected to a venting system in accordance with local codes. This unit must not be connected to a chimney or flue serving any other appliance. It is equipped with a safety control system to protect against improper venting of flue products.

WARNING: *Operation of this insert when not connected to a properly installed and maintained venting system, may result in carbon monoxide poisoning.*

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 technician. Provide adequate clearances around air openings and allow accessibility clearance for servicing and proper operation. In Australia, a dress guard has been installed to cover the glass and to protect users against accidental contact with hot surfaces. Do not operate the appliance without the dress guard in place.

2.0 OPERATION

2.1 OPERATION SAFETY

Inspect the appliance before use. Always keep the appliance area clear and free from combustible materials, gasoline and other flammable vapours and liquids. Never obstruct the flow of ventilation air. Keep the front of the appliance clear of all obstacles and foreign materials. Never obstruct or modify the air inlet/outlet grilles of the fireplace in any manner.

CAUTION: Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or contact with hot surfaces. Young children should be carefully supervised when they are in the same room as the heater. Clothing or other flammable material should not be placed on or near the unit.

The glass door and top grille must be properly installed prior to operation. **Never** operate the unit with the glass door off or broken since this may cause dangerous indoor air pollution. This unit is **not** for use with solid fuel. **Do not** substitute any parts or materials. **Do not** abuse the glass door.

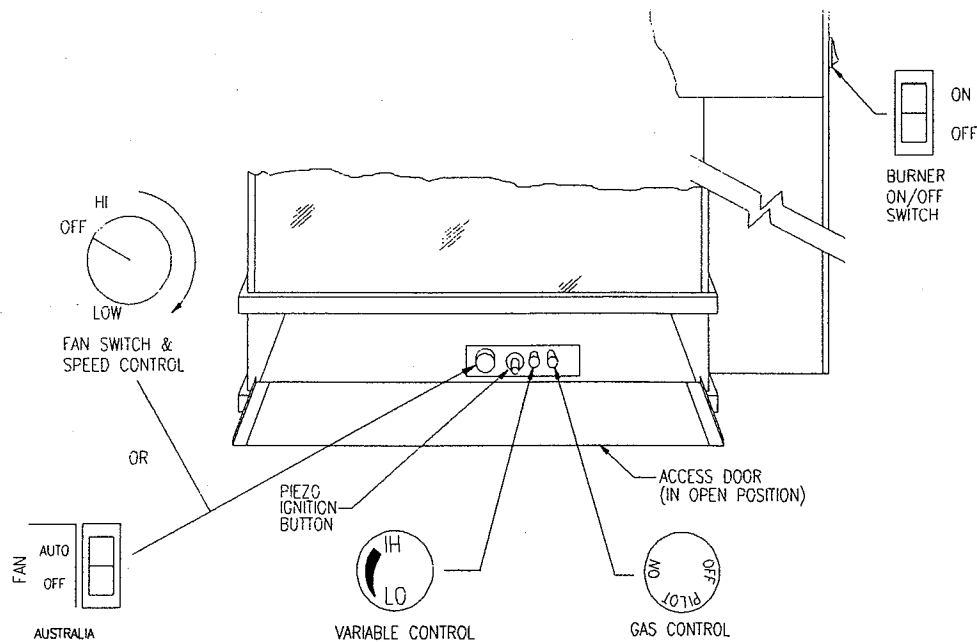


Figure 2

2.2 LIGHTING INSTRUCTIONS

FOR YOUR SAFETY, READ BEFORE LIGHTING

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

- A. This appliance is provided with a standing pilot flame. When lighting the pilot, follow these instructions exactly:
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- * Do not try to light any appliance.
 - * Do not touch any electrical switch: do not use any phone in your home.
 - * Immediately call your gas supplier from a neighbour's phone. Follow the gas suppliers 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, do not try to force or repair it; call a qualified service technician. Forcing or attempted repair may result in a fire or explosion.
 - D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING PROCEDURE

1. **"STOP!"** Read the safety information in the previous section.
2. Set the thermostat to the lowest setting.
3. Turn off all electrical power to the appliance.
4. Open the access door, hinged to open downward, by gently pulling the top toward you.
5. Push in the gas control knob slightly and turn clockwise → to the "OFF" position (see Figure 3).

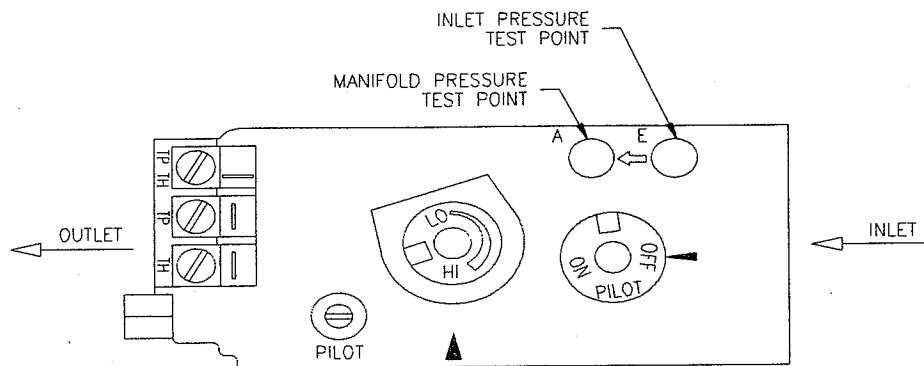


Figure 3

6. Wait a minimum of five minutes to clear out any residual gas. If you then smell gas, **STOP!** Follow "B" in the Lighting Instruction section described on the previous page. If you don't smell gas, go to the next step.
7. Press in the gas control knob and turn counter-clockwise ← to the "PILOT" position.
8. Push the control knob in all the way and hold it in. Immediately push the piezo ignition button (the black button second from the left) repeatedly so that it clicks; continue until the pilot ignites. Maintain pressure on the knob for about one minute after ignition. Then release the knob; if the pilot flame goes out repeat step 8; if the pilot flame remains on then turn the knob counter-clockwise ← to the "ON" position.
9. If the pilot lights, but will not stay on after several tries, turn the gas control knob to the "OFF" position and call your service technician or gas supplier. If the control knob does not pop out when released, **STOP** - shut off the gas supply to the control valve, and **IMMEDIATELY** call your service technician or gas supplier.
10. If equipped with a wall switch, select the "ON" position. If equipped with a thermostat or auxiliary control, set it to the desired setting.
11. Close the access door by lifting it, allowing the springs to pull it closed.

SHUTDOWN PROCEDURE

1. To turn off the main burner only, turn off the wall switch, thermostat, or On/Off switch located on the lower right side behind the access door.
2. For complete shutdown of the appliance, depress the gas control knob and turn it clockwise → to the "OFF" position.

2.3 HEAT OUTPUT ADJUSTMENT

The valve supplied with the appliance has a HI/LO knob to control the heat output and flame height (see Figures 2 & 3).

2.4 FAN OPERATION

For units equipped with a fan control knob, the knob is located behind the access door and may be adjusted to the following settings:

OFF: Turn the control fully counter-clockwise ← until the switch operates.

Variable Speed Setting:

Turn the control to the desired setting. When the knob is turned fully clockwise → the fan will be set to minimum speed.

For units equipped with a fan switch, the fan may be switched between the "Off" and "Automatic" settings.

2.5 REMOTE CONTROL OPERATION

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

3.0 INSTALLATION

3.1 INSTALLATION & SAFETY NOTES

Read all instructions before starting installation and follow them carefully during installation to ensure maximum benefit and safety. Failure to follow these instructions will void your warranty and may present a fire hazard. See the Osburn warranty at the back of this manual for disclaimers regarding improper installation. This fireplace insert and its components are tested and safe when installed in accordance with this installation manual. *This insert must never be installed in direct contact with combustible construction.*

ELECTRICAL GROUNDING NOTE: This heater fan 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.

WARNING: Do not connect 120 VAC (240 VAC in Australia) to the gas control valve or its wiring, as this will damage the valve.

3.2 UNPACKING

Please check the appliance carefully for any damaged or missing components (specifically check the glass condition). Report any problems to your dealer. The insert is shipped with the logs and coals in separate packages inside the firebox. The faceplate, with the levelling screws and the grille kit are packaged separately. All other standard parts are already in place.

Shutter Adjustment For Australian Units Only:

Before installation the two Shutters on the bottom outside corners of the Firebox must be checked to ensure their proper positioning (see Figure A).

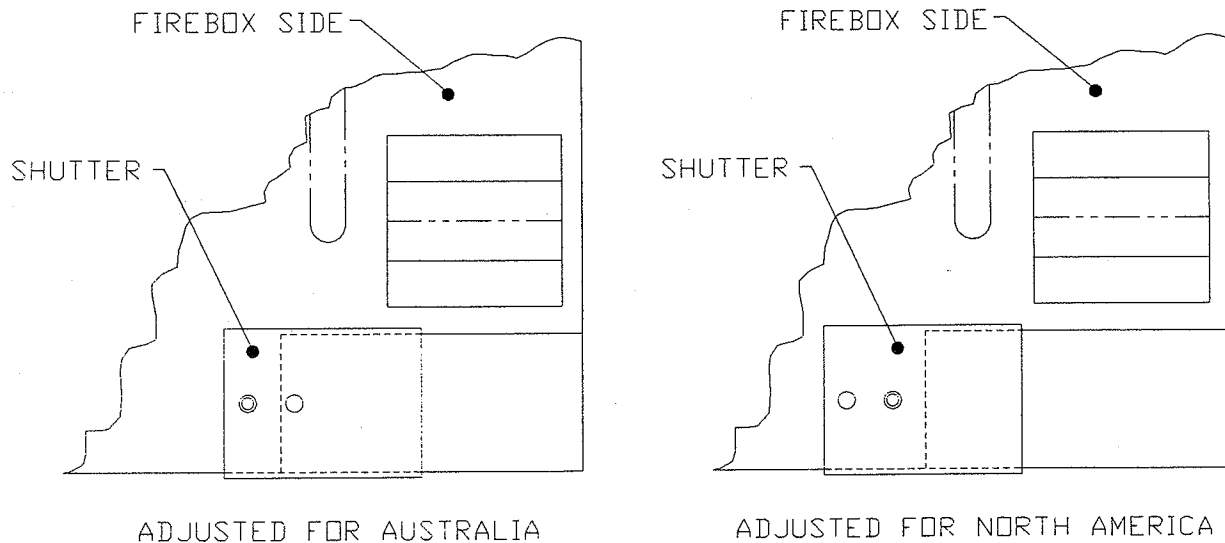


Figure A

3.3 INSTALLATION

For satisfactory results it is necessary to plan certain aspects of the installation prior to the appliance's final positioning. These include the vent system, the gas piping, and the fan wiring. Combustible surfaces such as the hearth, mantle and facing must also be planned for.

NOTE: All Installations Require Venting.

(In Australia, a minimum vent length of 11' (3353mm) must be used off the top of the vent collar of the appliance).

Minimum enclosures are as follows:

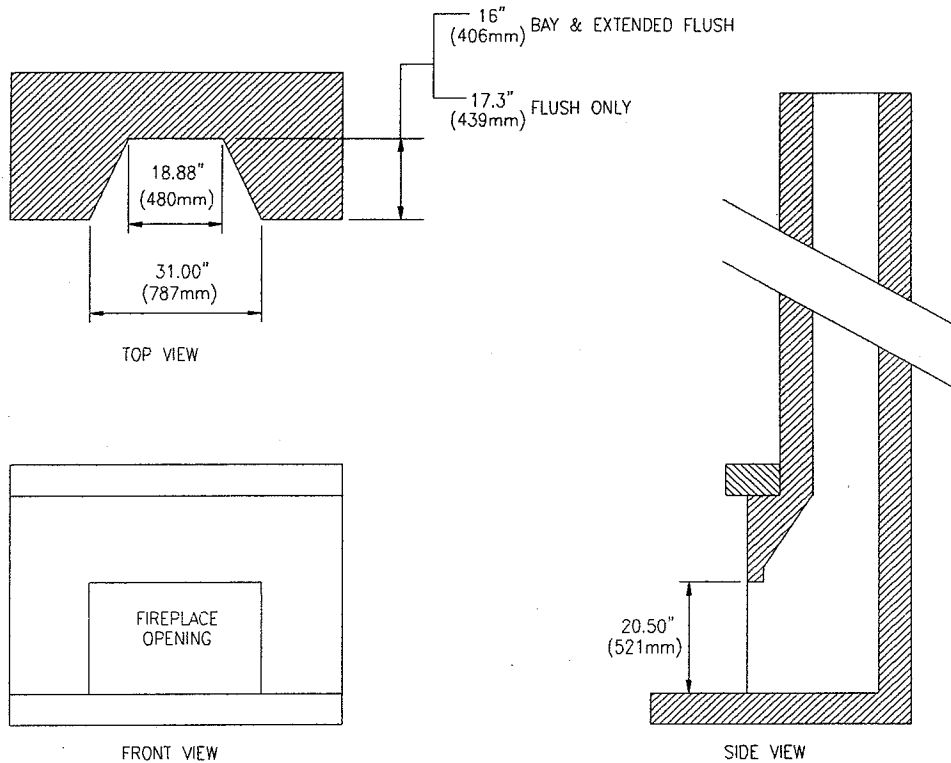


Figure 4

3.3.1 Minimum Clearances

This top venting insert is suitable for installation into masonry fireplaces, or into factory built certified fireplaces which have a gas line knockout and proper floor clearances.

A masonry fireplace must meet the minimum building code requirements or the equivalent for a safe installation.

Factory built certified fireplaces and their chimneys must be certified and meet local code requirements. Both must be free from cracks, blockage, creosote deposits, loose mortar, or other types of deterioration. Inspect the fireplace to ensure the insert will fit (see Figure 4).

Minimum Clearances To Combustibles

A. Sidewall	10"	(254mm)	measured from glass
B. Ceiling	34"	(864mm)	measured from top grille
C. Facing sides	1"	(25mm)	measured from standard faceplate
top	8.5"	(216mm)	measured from the top of the grille assembly
D. Floor	2"	(51mm)	(see Figure 5a)
E. Mantle	12.5"	(318mm)	measured from top grille to 8" (204mm) mantle

Note: 1. For more mantle options see Figure 6

2. When using paint or lacquer to finish the mantle, such paint or lacquer must be heat resistant to prevent discolouration.
3. When installing the unit flush to the flooring, there must be an 16" non-combustible hearth extension (see Figure 5b).

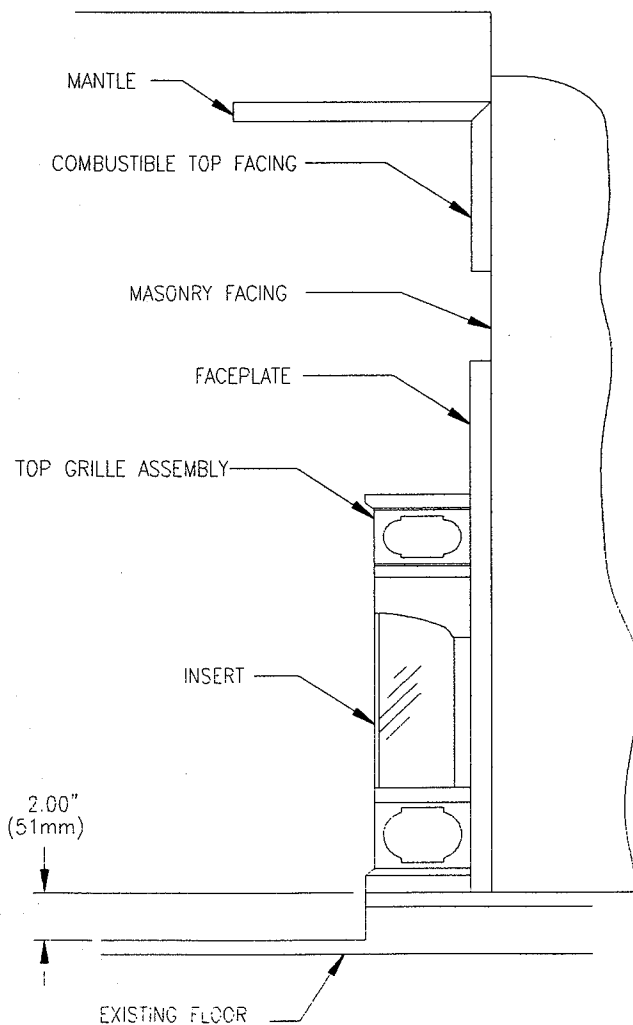


Figure 5a

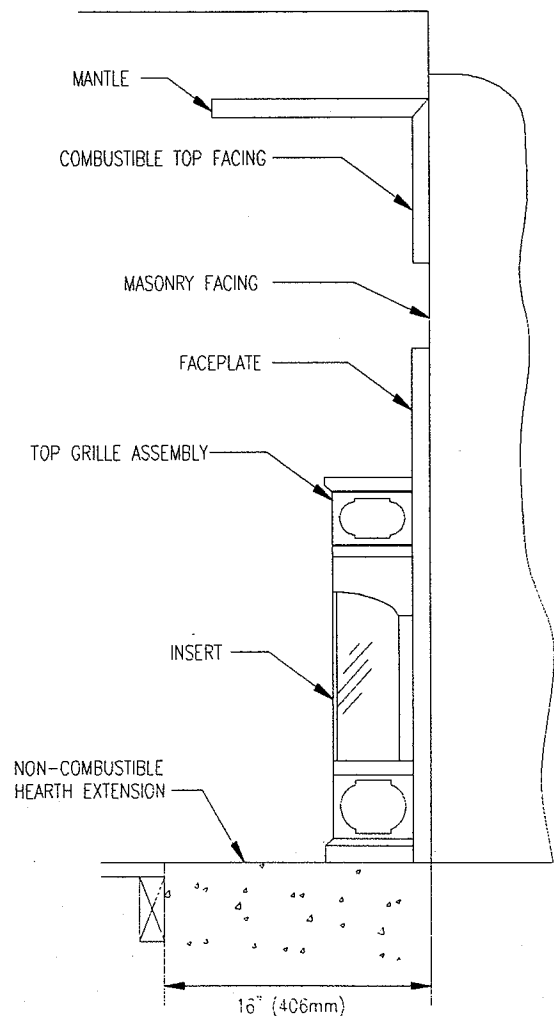


Figure 5b

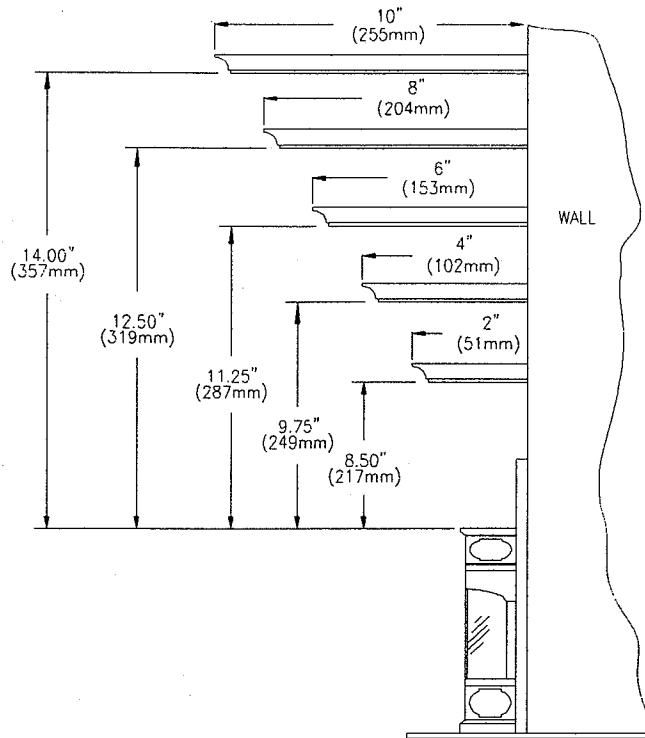


Figure 6

3.3.2 CHIMNEY LINER OR VENT INSTALLATION

Figures 7 and 8 show the completed installations into a masonry and into a factory built certified fireplaces. For Australia, installations and flue materials must comply with AG601 requirements.

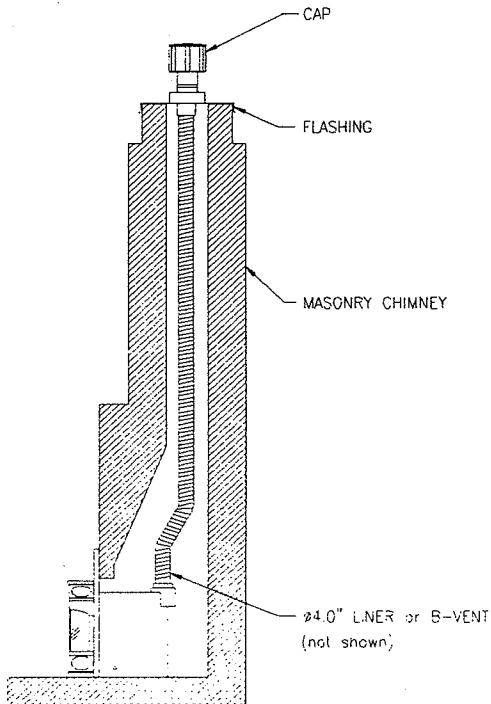


Figure 7

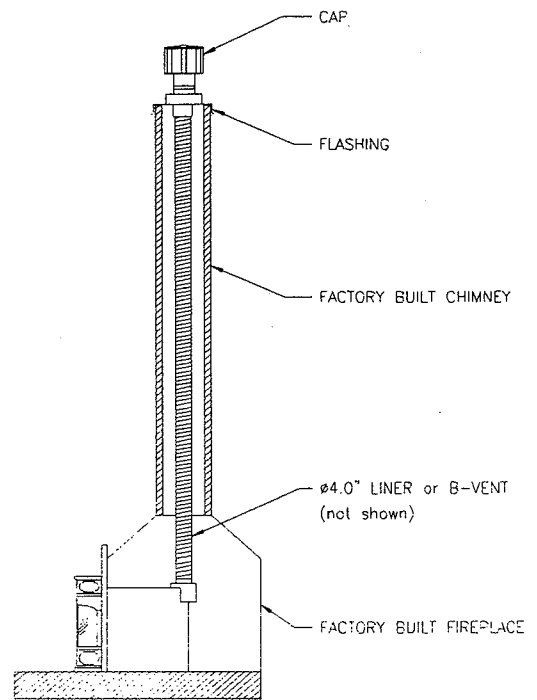


FIGURE 8

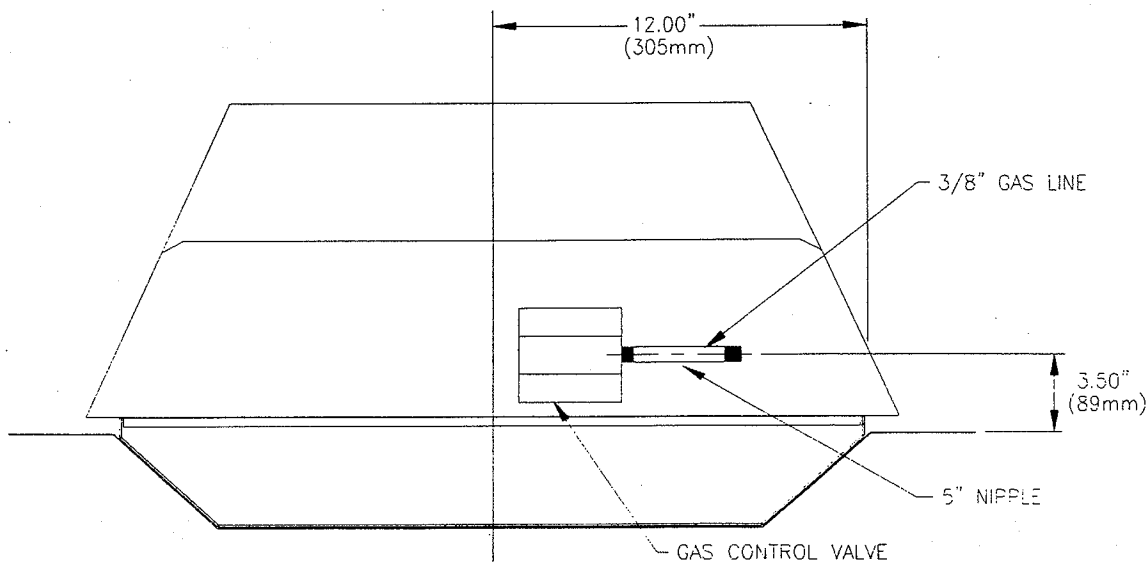
The insert must be connected to a flex liner or B-vent suitable for use with gas. The vent must run within the existing chimney from the outlet collar of the draft hood to the top of the masonry or factory built chimney. Install the vent according to the manufacturer's instructions. Use a maximum of two offsets; (four 45° elbows), or two 90° elbows. Slope horizontal pipe at least 1/4" (6.4mm) rise per foot of run. Horizontal runs should not exceed the vertical rise.

3.3.3 Gas Line Installation

- Install supply line using any piping approved for your installation meeting CAN/CGA 6.10, AGA 3, ANSI Z21.24 or Z21.45. A qualified gas fitter should install the gas line in accordance with all local building codes. If codes permit, coiled copper tubing may be used for gas supply.
- Pressure taps are provided on the gas control for test gauge connections to measure the manifold and inlet pressures.
- This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.45 kPa).
- The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 psig (3.45 kPa).
- Install the gas line as follows:

The gas line connection on the right side of the insert is shown in Figure 9. An AGA and/or CGA approved shutoff valve can be installed to the 5" nipple if so desired. Installing the shutoff valve on the end of the 5" nipple will allow quick accessibility.

WARNING: Do not use an open flame to test for gas leaks.



3.3.4 Thermostat, Wall Switch, Or Remote Control Installation

The burner control switch is located on the right top side of the faceplate (see Figure 2). For your convenience, the insert can also be operated by a thermostat, a wall switch or a remote control. Millivolt thermostats and remote control kits are available from any authorized Osburn dealer. Bedroom installations require the use of a wall thermostat.

NOTE: The thermostat or wall switch MUST be rated for millivolt use. Minimize splicing in all millivolt wiring & solder all unavoidable splices.

Remote Control Installation: Please refer to instructions included with kit.

Thermostat Or Wall Switch Installation

1. Mount the thermostat or wall switch in the desired location and run "*two conductor thermostat wire*" to the heater's lower right hand corner, close to the gas supply line.

Purchase "*two conductor thermostat wire*," which is not provided, at any local supplier. The gauge of thermostat wire will determine the maximum wire length and distance at which to locate the thermostat or wall switch. See Table 2 and the information packaged with thermostat. Be aware that as the length of wire increases, the probability of adequate operating voltage decreases.

TABLE 2 THERMOSTAT WIRE INFORMATION

WIRE SIZE		MAX. WIRE LENGTH	
AWG	mm	ft.	m
22	0.6	10	3.0
20	0.8	25	7.6
18	1.0	40	12.2
16	1.3	64	19.5
14	1.6	100	30.5

- 2a. After the insert is installed and the gas line hooked up, solder a female spade connector to each wire and join them to the male connectors provided on the rear of the burner switch (see Figure 10), or
- 2b. Solder a fork connector to each wire and install them to the valve.
3. Check tests can be performed on the valve by using the trouble shooting guide, Section 6.0.
4. This switch may be connected in parallel with a thermostat, wall switch, or remote control (see Figure 11).

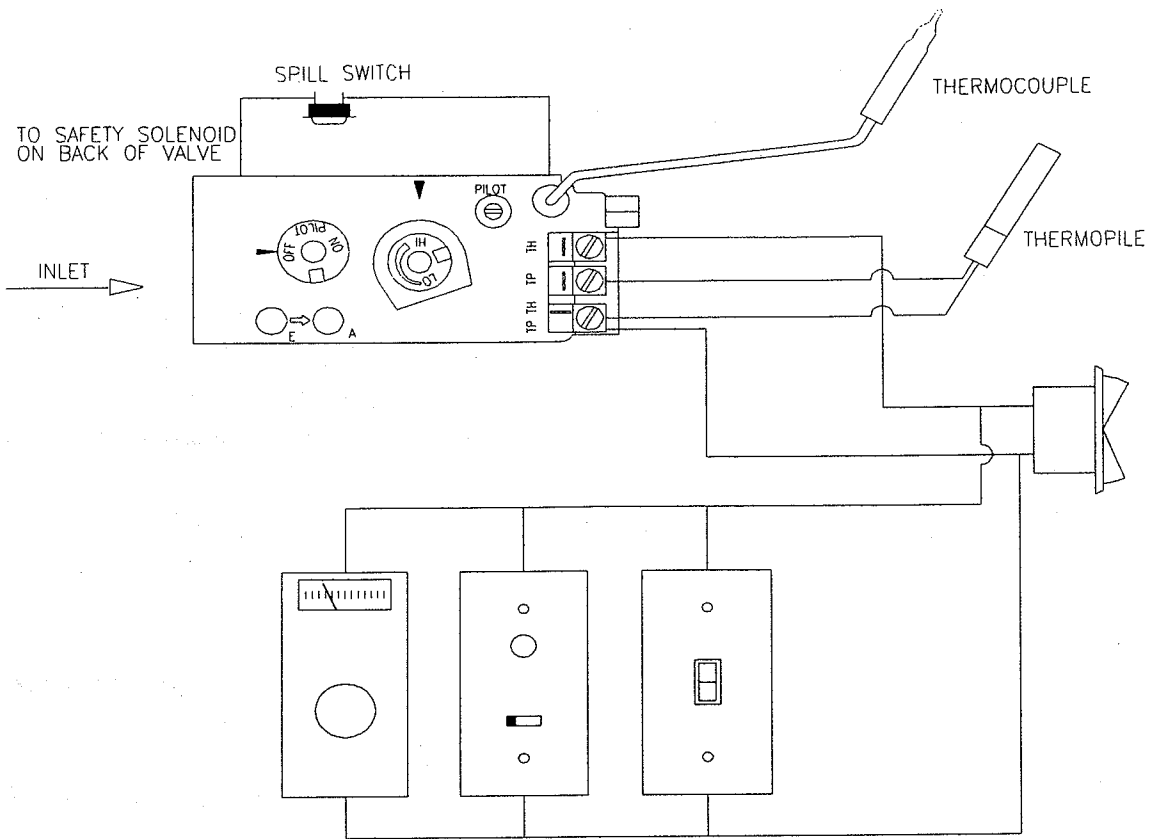


Figure 10

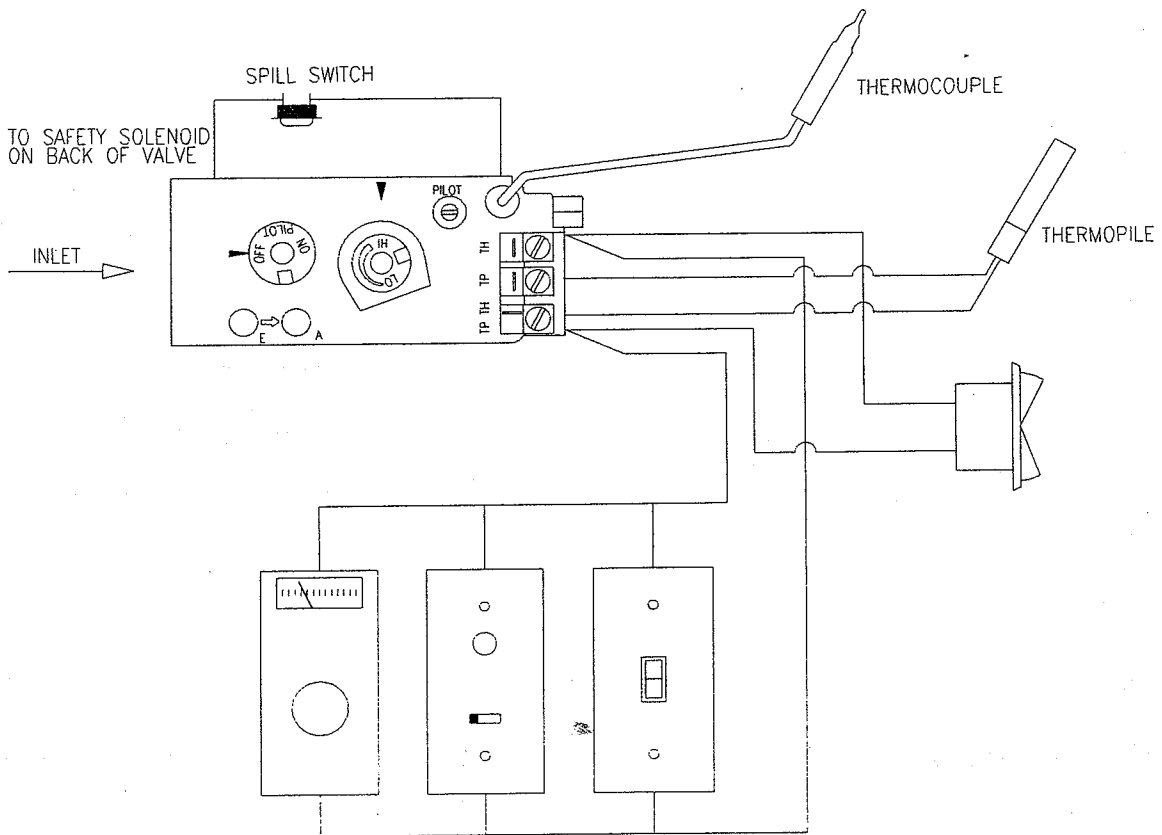


Figure 11

3.3.5 Vent, Gas Line, & Wiring Connections

Unless it is more easily installed with the insert, install the draft hood separately first as follows:

1. Disconnect the draft hood from the insert and fit its collar to the end of the previously installed vent, whether the flue-liner is in an existing masonry fireplace or the flue-liner is in an existing factory built certified fireplace.
2. Wiring:
 - i) Cut the plastic pull-tie securing the blue wires.
 - ii) Cut the plastic pull-tie securing the fan power cord to the heater.
3. Two captive nuts are attached to the air jacket bottom.
 - i) Remove the two 1/4"-20 screws (2.5" (64mm) long) provided with the faceplate package.
 - ii) Turn the screws through the two rear captive nuts to level the unit as required.
4. Push the draft hood upward to 21" (535mm) above the hearth or fireplace bottom, and start sliding the insert into the fireplace cavity.
5. Connect the wiring for the thermostat, wall or faceplate switch, or the remote control as noted in #2 of section 3.3.4.
6. The fan power cord is on the left side of the insert and can be routed to the right if desired. Route the power cord along the bottom *outside* edge of the heater, not underneath, nor under **any** sharp edges.
7. Push the insert back until the front firebox flanges are 1/4" (6mm) in front of the masonry or factory built fireplace facing. As the heater is pushed back, pull the draft hood positioning strips firmly toward the heater front until the draft hood flange is secured under the top clips of the heater (Figure 12).
8. Bend the positioning strips down over the top front edge, cut off the excess strip length, and fold the strips back over the top flange.
9. Connect the union of the gas supply line.
10. Purge the gas line of air.
11. Test the gas line for leaks using an electronic gas leak detector or soapy solution.

WARNING: DO NOT USE AN OPEN FLAME TO TEST FOR GAS LEAKS.

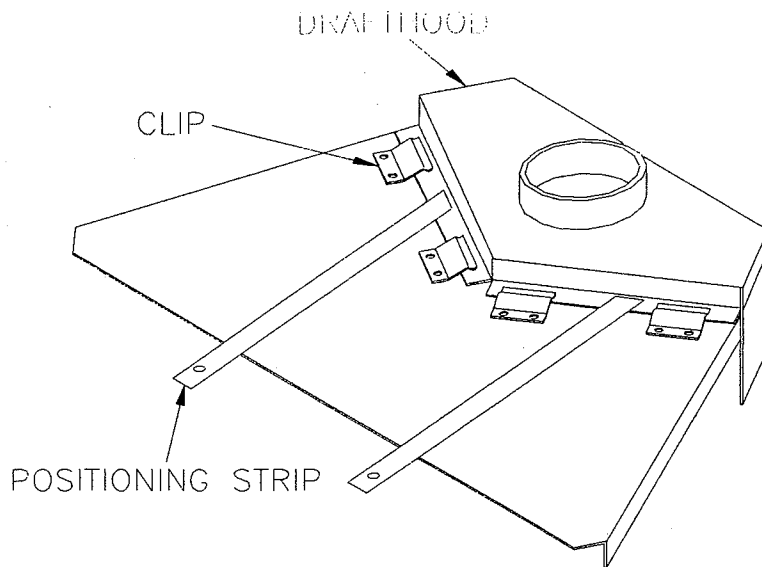


Figure 12

3.3.6 LOWER GRILLE INSTALLATION

1. Pull the control panel forward to release it from the retaining clips.
2. Remove the four screws from the firebox supports.

NOTE: The Contemporary Bay (JG124) lower grille has two adapter plates attached to the grille assembly. Remove these plates from the grille assembly and attach them to the firebox supports.

3. Place the lower grille assembly in position against the front of the firebox supports.
4. Secure the lower grille assembly with the four screws that were previously removed (see Figure 13).
5. Push the control panel back into position under the retaining clips.

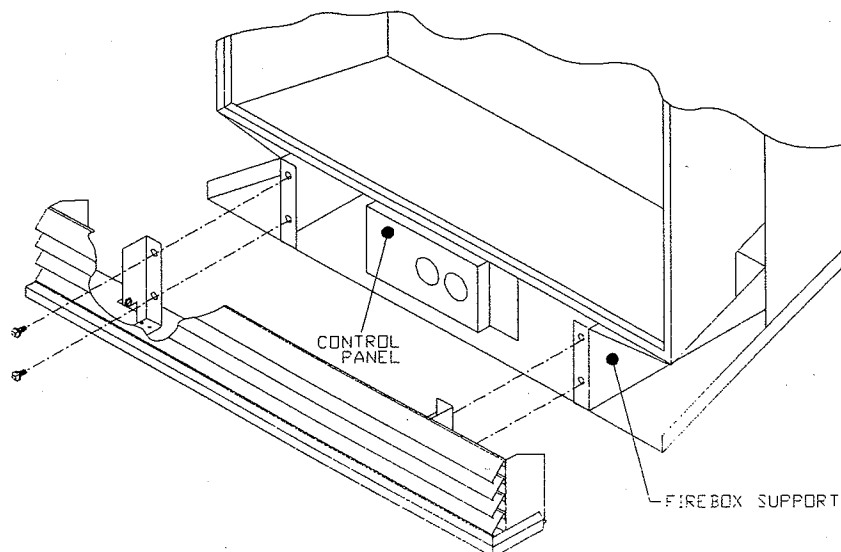


Figure 13

3.3.7 FACEPLATE INSTALLATION

Remove the faceplate panels and the edge trim from the packaging and assemble according to the following instructions:

1. Place the faceplate panels with the finished side down on a flat, soft, nonabrasive surface.
2. Line up the holes of the side and top panels and install the four screws loosely (see Figure 14).
3. Line up the edges of the faceplate top and sides, then tighten all four screws.
4. Assemble the faceplate trim, attaching the mitred corners with the corner brackets (see Figure 15).

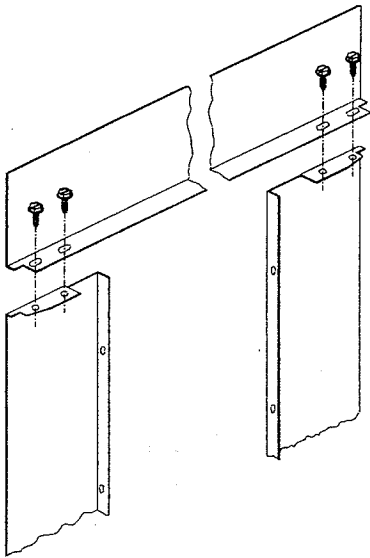


Figure 14

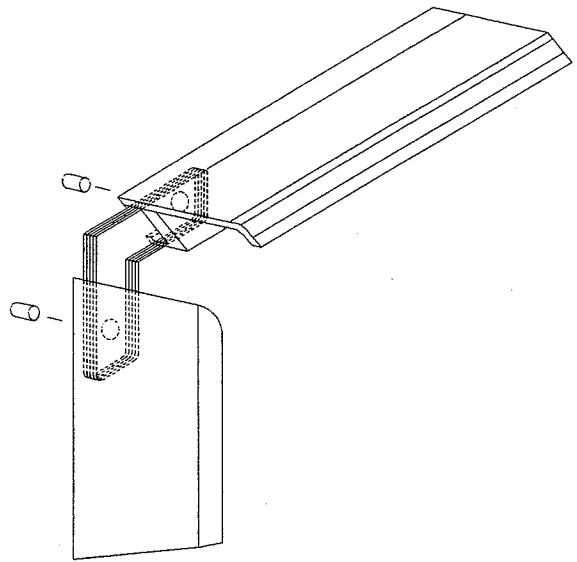


Figure 15

5. Slide the assembled trim over the edges of the faceplates.
- 6a. Snap the eight trim retainers in place (see Figure 16a).
- 6b. Push the burner switch through the hole in the right hand faceplate trim and connect the two blue wires to the switch connectors (see Figure 16b).

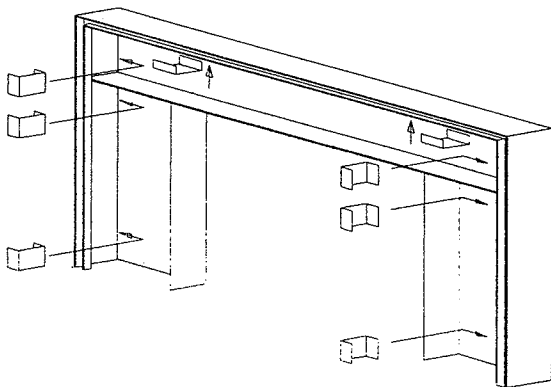


Figure 16a

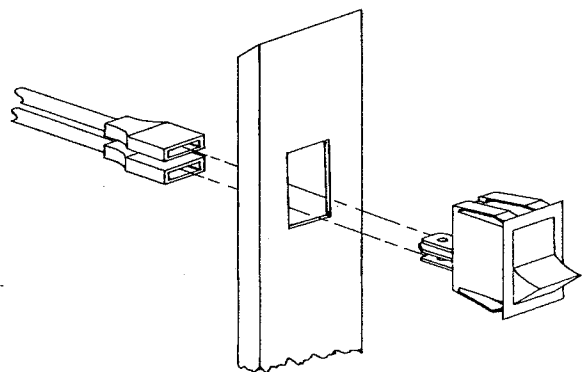


Figure 16b

7. With the door removed, place the faceplate assembly up to the front of the insert.
8. Secure the faceplate with the four Philips screws (see Figure 17a).

NOTE: Do not adjust the faceplate depth on the Bay Insert.

FLUSH INSERT ONLY:

9. Adjust the faceplate mounts to the desired setting (see Figure 17b).

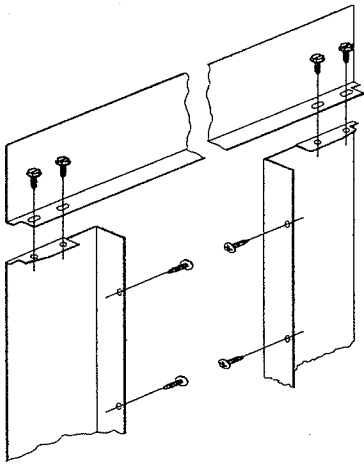


Figure 17a

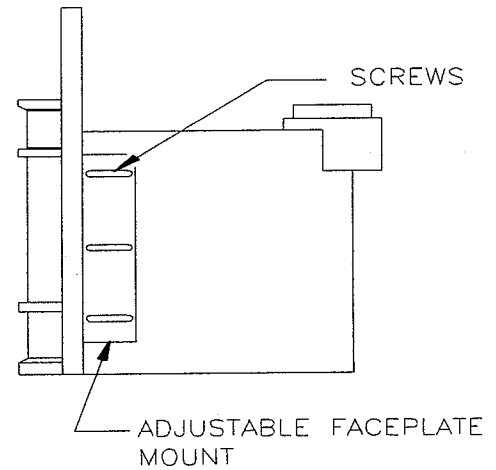


Figure 17b

3.3.8 Firebox Component Installation

Installing Logs

Proper log placement is very important. The logs are designed to be installed in only one position so that flames do not impinge on them.

Locate the rear log by positioning it between the rear brick panel and the tabs on the rear log support.

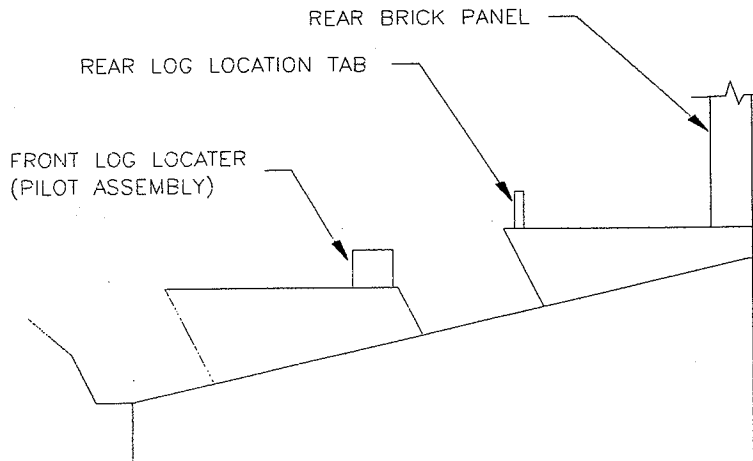


Figure 18

The front log is similarly located, by positioning the large notch against the pilot bracket.

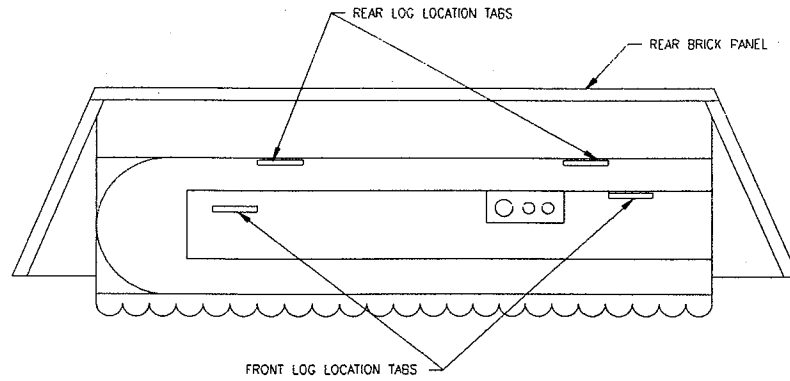


Figure 19

Both logs should be positioned, first to the rear, then to the left.

Place the upper right log on top of the lower logs locating it within the notched portions, and with the bark side of the log to the right.

Installing Coals

The coals should be placed along the coal grate on top of the burner, located in front of and below the front log (see Figure 20). The coals extend around the log end.

NOTE: There are two denser sets of holes on the front burner - these should not be covered, as they will offset the visual appearance of the front flames.

WARNING: Do not add any material to the appliance which will come in contact with the flames, other than that supplied by the manufacturer with the appliance.

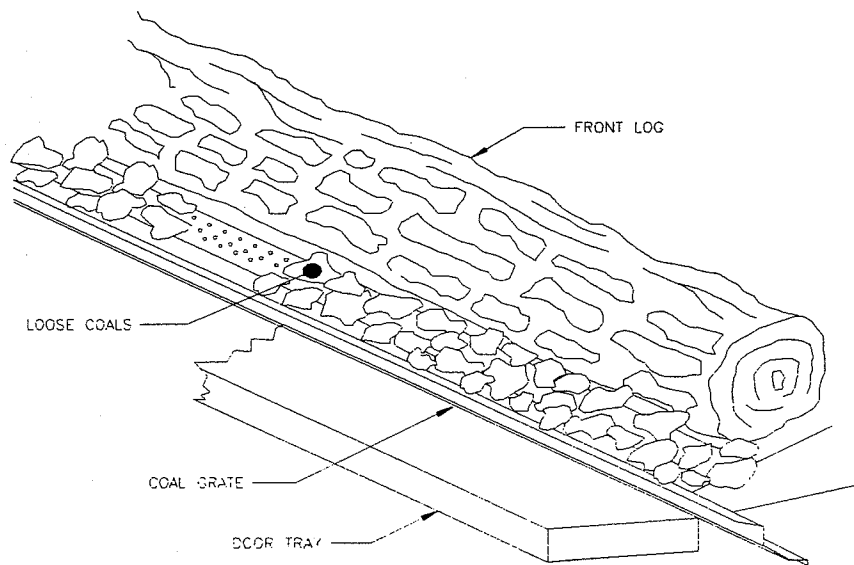


Figure 20

Installing The Lower Door Trim

WARNING: See sections 4.4 & 4.5 before installing the lower door trim

1. Place the lower door assembly upside down on a soft work area.
2. Remove the four retaining screws from the doorframe bottom.
3. Place the lower door trim in position over the door assembly and align the screw holes.
4. Secure the lower door trim with the four screws that were previously removed.
5. Re-attach the door assembly onto the firebox.

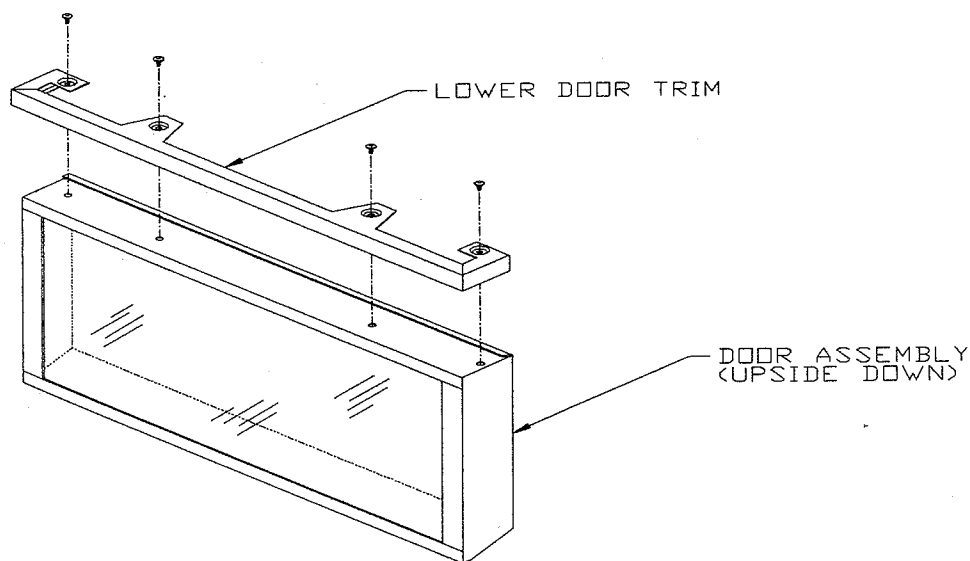


Figure 21

Installing The Door

Install the door by assembling its upper hinge slots to the hinge tabs on the top of the firebox. Swing the door down towards the fireplace and latch at the bottom.

Installing Top Grille Assembly

1. Place the top grille assembly above the door.
2. Push the grille retaining plate into the clips and against the stops on top of the insert (see Figure 22)

NOTE: Improper installation of the top grille assembly may cause tarnishing of the brass.

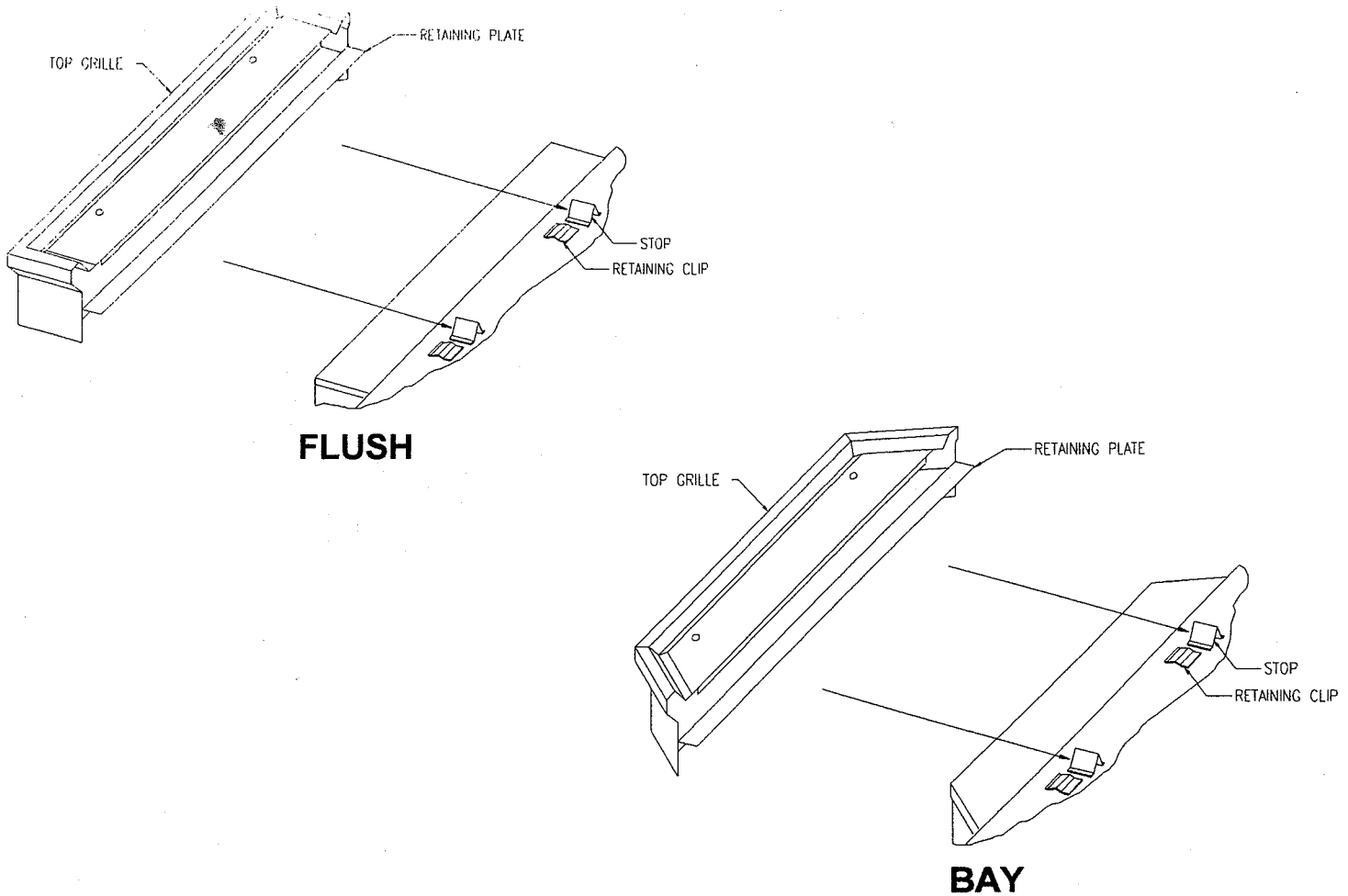


Figure 22

3.3.9 INITIAL FIRING

When lit for the first few times, the appliance may emit an odour resulting from evaporation of paint and lubricants used in the manufacturing process. Open a door or window for ventilation. Anyone with a respiratory condition may need to leave the room during the initial firings.

NOTE: It is normal for the appliance to expand and contract while it heats up or cools down whether this is from a cold start or a steady-state condition where the fan has come on or off. Under these circumstances it is possible that the expansion/contraction of the metal parts may produce a ticking sound.

Occasionally, after a cold start, vapour may condense and fog the glass, and the flames may be partially blue. After a few minutes the moisture will disappear and the flames will become yellow. Visually check the maximum flame height after warmup (see Figure 23).

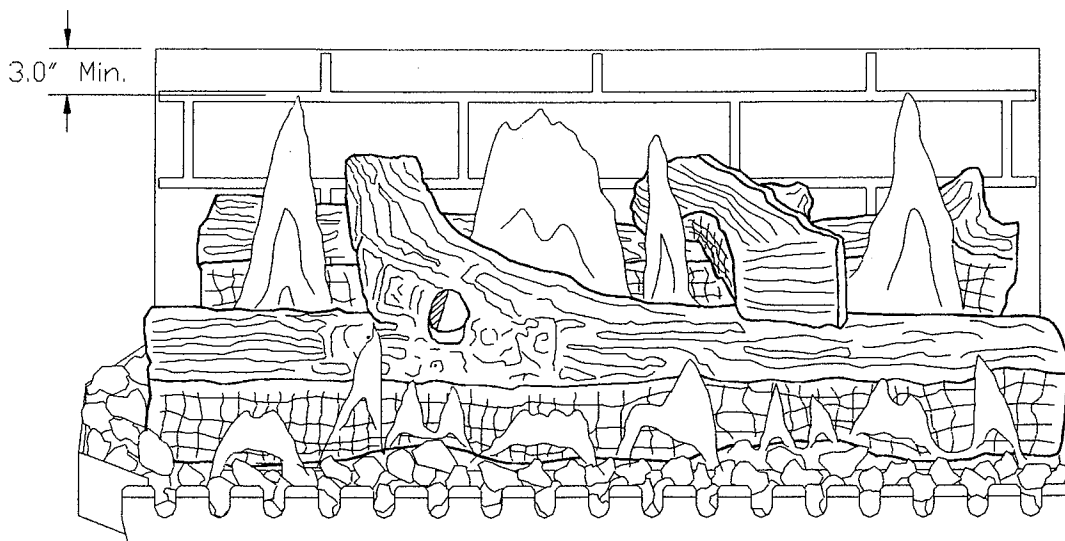


Figure 23

3.3.9.1 Manifold Pressure Regulator Adjustment

The manifold pressure regulator controls gas input and flame height, and is preadjusted at the factory. No further adjustment is required. Manifold pressure can be verified only (see Figure 3).

3.3.9.2 Pilot Flame Adjustment

For proper operation, the pilot and main burner flames must be steady and not lifting off or floating. The top $3/8"$ - $1/2"$ (10-13mm) of the thermopile should be engulfed by the pilot flame. The pilot flame adjustment should be performed by a qualified service person only. To adjust the pilot flame, turn the pilot adjustment screw counter-clockwise ← to increase, and clockwise → to decrease the flame. Ensure that the pilot flame completely engulfs the thermopile (see Figure 24).

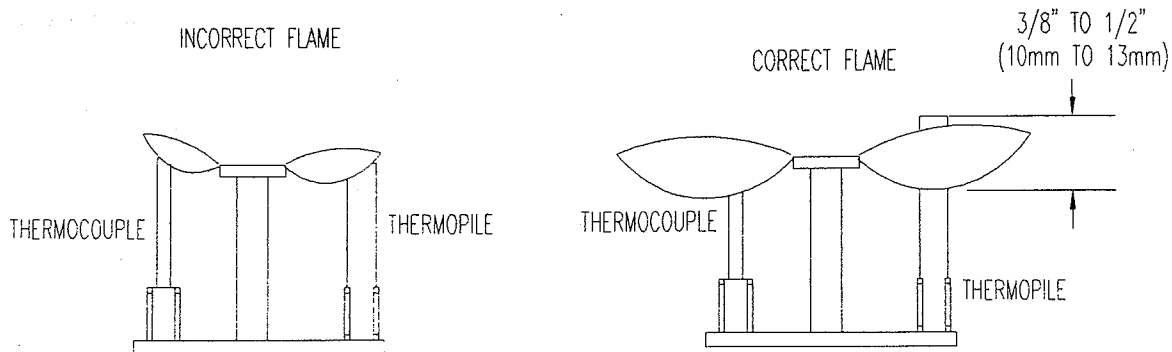


Figure 24

3.3.9.3 FLUE SPILLAGE TEST

A flue spillage test is recommended as part of this installation and should be performed by a qualified service person only. Hereafter, periodically check the vent draft.

1. Close all the doors and windows in the room.
2. Start all the exhaust fans in the home.
3. Remove the top grille assembly by pulling it forward carefully.
4. Light the heater to the full fire position.
5. After five to ten minutes, insert a match inside a draft duct opening and ensure that the flame wisps and smoke are drawn into the duct at the front corner (see Figure 25).
6. If the flame wisps are not drawn into the ducts, turn the heater off, and determine the cause of the lack of draft. **Do not operate the heater until there is sufficient draft.**
7. Replace the top grille assembly after the insert cools.

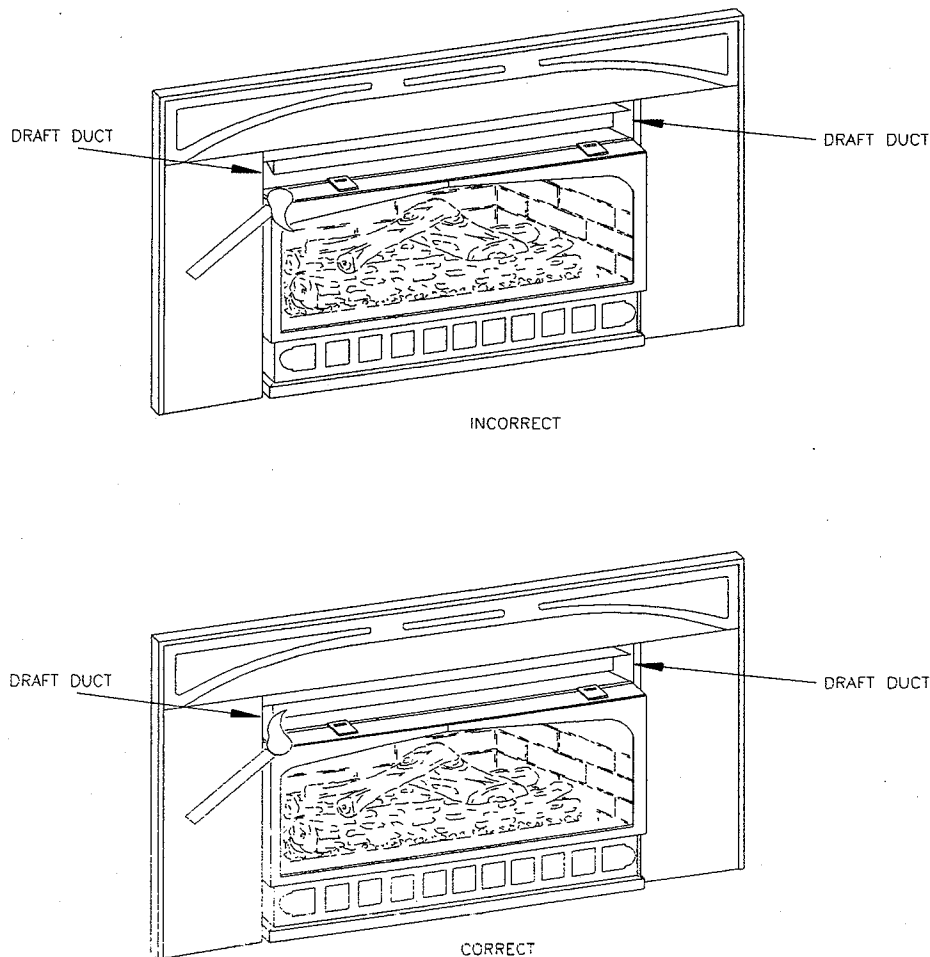


Figure 25

3.3.9.4 ALTITUDE ADJUSTMENT

All valves have been pre-set and certified for installation at elevations from 0 - 2000 feet (1-610m) above sea level.

When installing this heater at higher elevations in Canada, it is necessary to decrease the input rating, by replacing the existing burner orifice with a smaller size for installations over 4500 feet (1372m). The appliances input should be reduced 4% for each additional 1000 feet (305m) above sea level. For the USA, derate the heater from sea level according to the gas installation code.

4.0 MAINTENANCE

4.1 MAINTENANCE SAFETY

Turn off the gas to the main burner and allow the heater to cool for up to 30 minutes before servicing. Service 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 technician. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is important that the access door compartment, burner, and circulating air passage-ways be kept clean to provide for adequate combustion and ventilation air flow. Do not substitute materials or use components other than factory supplied.

4.2 RECOMMENDED SERVICE

1. Examine the venting system periodically.
2. Visually check the burner and pilot flames occasionally. Visually inspect height and colour of flames (see Figure 24).
3. Clean the glass as needed. See section 4.3 for instructions on glass cleaning.
4. Have the appliance inspected annually by a professional service technician.
5. Clean the appliance regularly.

NOTE: Safety screens removed for service must be replaced prior to operating the heater.

Annual service: An annual service call should take between 1-2 hours. Start by disassembling the unit; take off the glass and remove all the logs, embers, burner, and fan. A small toothbrush is a handy tool for cleaning the fan. Loosen all the debris on the fan blades and vacuum it off. Vacuum the whole firebox and all the air passages. Clean the burner, pilot orifice, main orifice, logs, etc. After everything is clean, check all the connections and the chassis ground and reassemble. Fire up the unit and check the electrical readings of the thermopile/thermocouple. Clean the glass. Check the gas pressure. Check the draft (the venting system should also be checked).

4.3 GLASS CLEANING

The inside of the glass may require periodic cleaning to remove deposits left from impurities in the gas and combustion air. For best results, use a ceramic glass cleaner or polish. A suitable cleaner is available from your dealer. Avoid the use of ammonia based cleaners such as Windex. Do not clean while hot. Do not use abrasive cleaners. Make sure you clean off the white film on the fireplace glass as soon as possible - otherwise the glass may deteriorate.

4.4 CLEANING OF BRASS PLATED SURFACES

Special care must be taken to avoid damage to the high temperature coating applied to each brass piece. **Do not touch** or attempt to clean the brass on your fireplace when the brass surface is warm.

Wipe only with a soft damp cotton cloth to maintain original brilliance. **Caution:** Some cleaning agents may contain chemicals that could harm the high temperature coating on the brass. Paper towels and other abrasive materials may scratch the surface.

4.5 CLEANING OF GOLD PLATED SURFACES

Take special care and **DO NOT** use chemical or abrasive cleaners. Wipe only with a soft damp cotton cloth to maintain original brilliance. **CAUTION:** Vigorous wiping may damage the gold finish.

4.6 BURNER & PILOT CLEANING

Periodic cleaning is necessary for proper operation.

1. Refer to section 4.8, remove the burner and check that the burner orifice is clean.
2. Visually inspect the pilot. Brush or blow away any dust, lint or foreign debris. If the pilot orifice is plugged, disassembly may be required to remove any foreign material from the orifice or tubing. When the appliance is back in service, check the pilot flame pattern with the Figures in section 3.3.9.2. For relighting, refer to the lighting instructions in section 2.2.

4.7 FAN REPLACEMENT & ELECTRICAL SCHEMATIC

1. **Turn off all electrical power to the heater.** Unplug fan cord or turn circuit breaker off.
2. Remove the four screws which locate the lower grille assembly, and remove it.
3. Remove the two electrical shield screws and shield (see Figure 26).
4. Remove the two fan bracket to fan base securing screws (see Figure 27).
5. Remove the two fan bracket securing nuts (see Figure 28).
6. Remove the fan wire from the thermal switch.

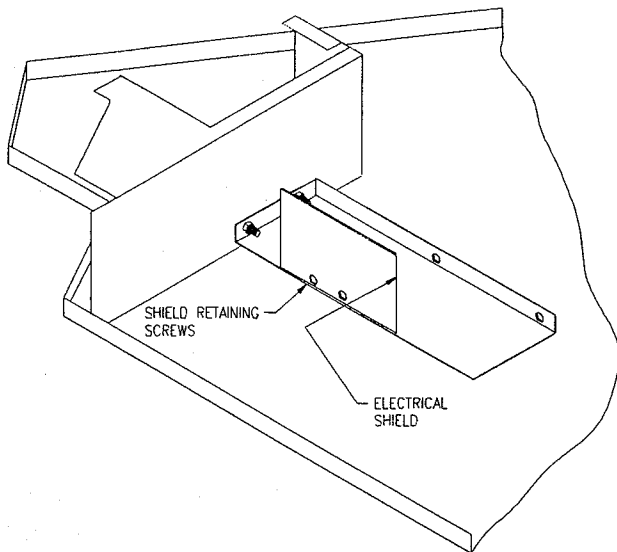


Figure 26

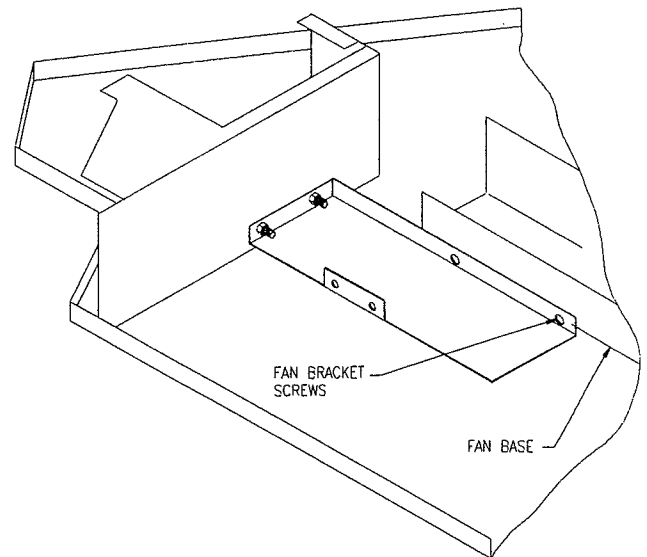


Figure 27

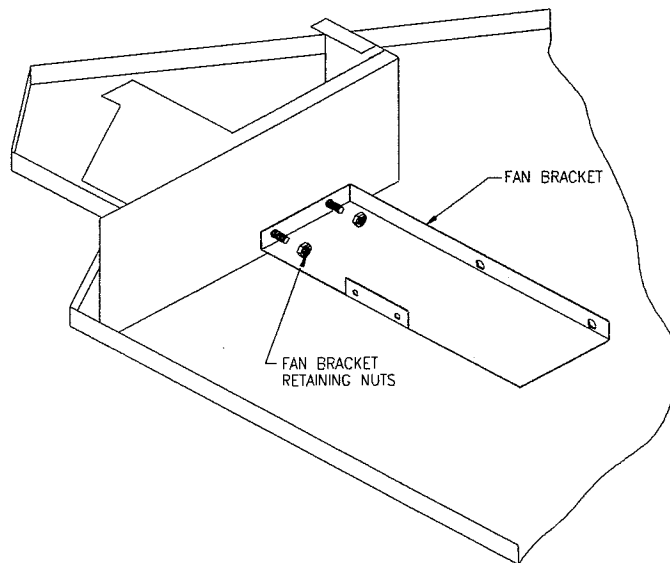


Figure 28

7. Disconnect the remaining fan wire at the inline connector.
8. Remove the fan by first rotating it 90° backwards, and then sliding it forward and out.
9. Reassemble in reverse order.
10. See Figure 29 for fan electrical schematic.
11. If the supply cord is damaged it must be replaced by a special cord available from the manufacturer or its service agent.

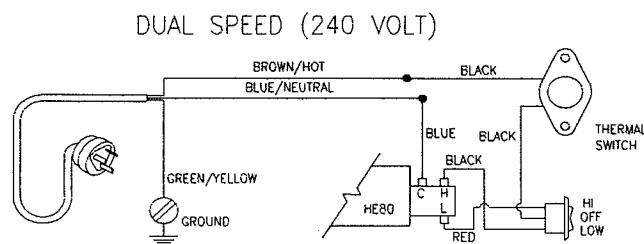
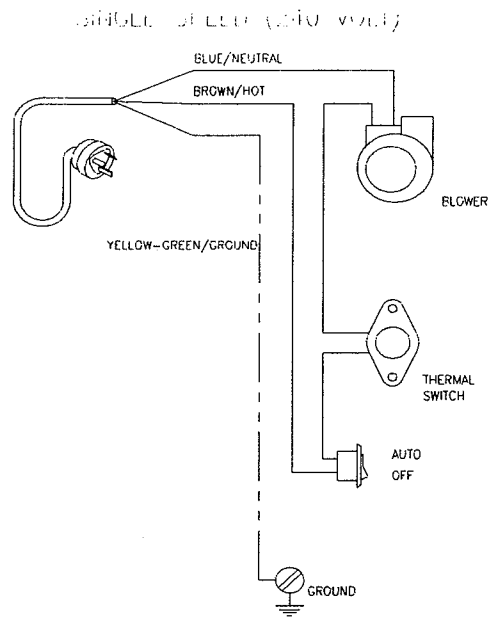
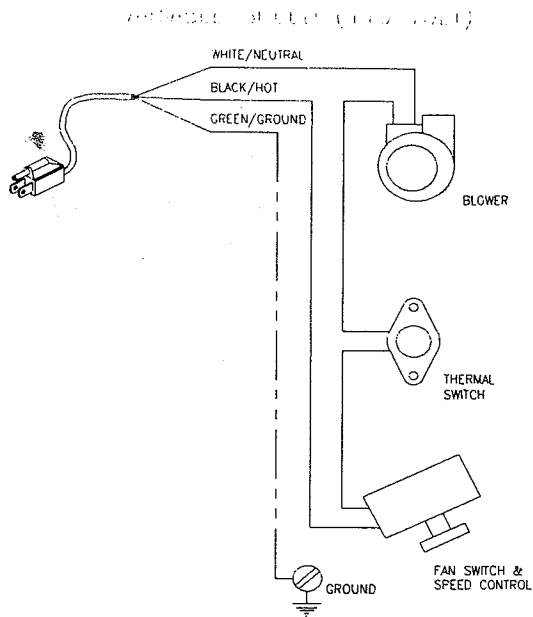


Figure 29

If necessary, the Fan Thermal Switch may be replaced as follows:

1. Turn off all electrical power to the insert; unplug power cord or turn circuit breaker off.
2. Remove the four screws which locate the lower grille assembly, and remove it.
3. Remove the shield by removing two screws (see Figure 26).
4. Remove the fan thermal switch mount bracket by loosening two screws but do not remove them.
5. Disconnect the two wires from the switch.
6. Remove the two screws securing the switch.
7. Remove and replace the thermal switch.
8. Reassemble in the reverse order.

4.8 HEATER DISASSEMBLY & REASSEMBLY

The following procedure is to be performed by qualified service personnel ONLY. Turn off the gas supply and allow the heater to cool for up to 30 min.

1. Remove the top grille assembly.
2. Remove the door.
3. Remove the lower grille assembly.
4. Remove the logs and coals.
5. Remove the burner tray assembly as a unit by lifting it up and out.
6. Undo the gas flexline connection at the gas valve. These fittings are flared and do not require sealant.
7. Remove the screw securing the pilot assembly to the pilot bracket.
8. Remove the four screws securing the pilot cover plate and gasket & then remove them.
9. Remove the nut securing the orifice to the firebox bottom.
10. Remove the four screws holding the valve bracket to the firebox bottom.
11. Disconnect the thermostat wires from the valve. Once the fasteners are removed, the valve/pilot assembly can be lowered down and rotated out through the front of the appliance as a complete unit.
12. Reassemble the components in reverse order.

5.0 AUSTRALIAN DRESS GUARD

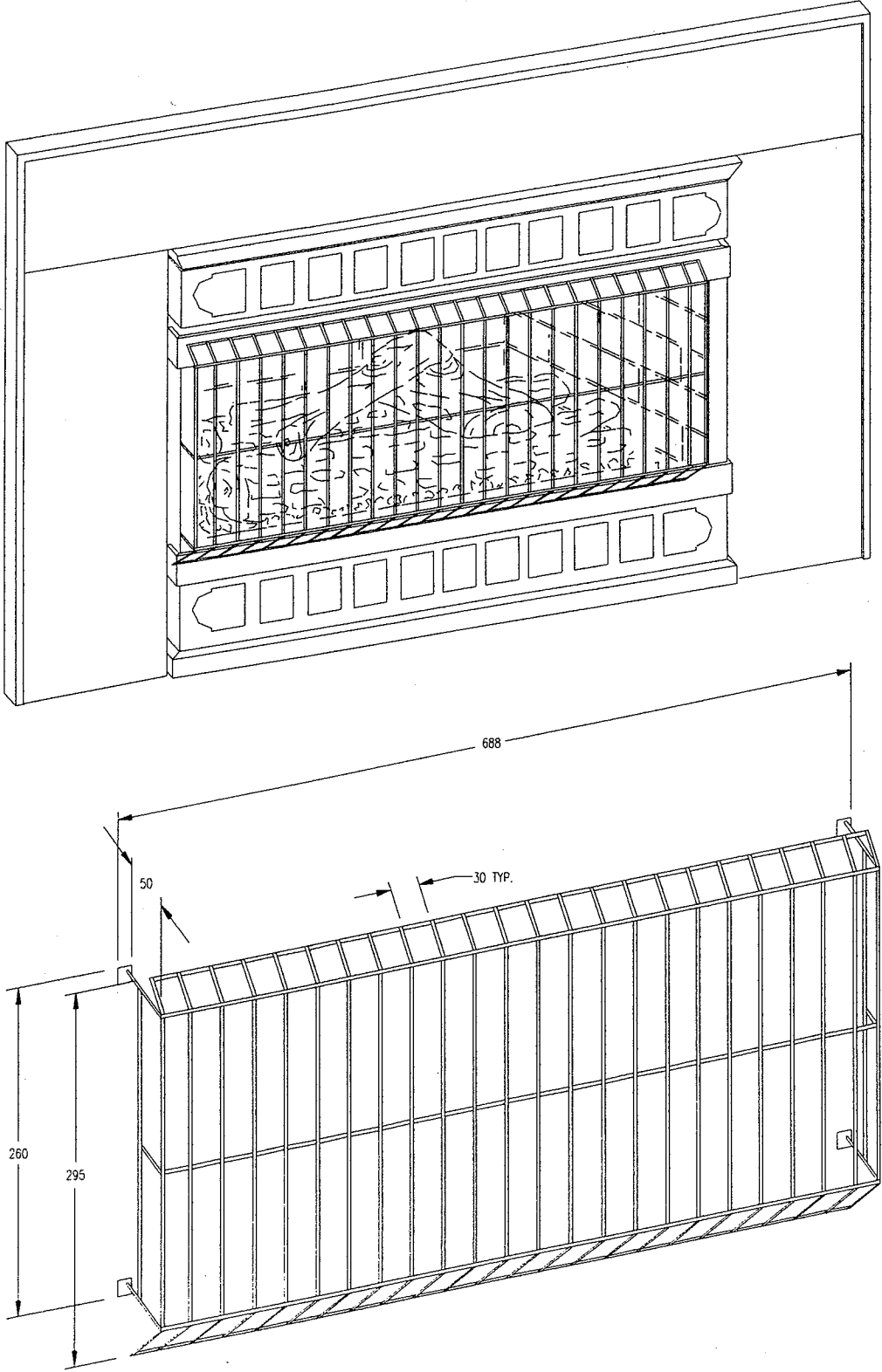


Figure 30

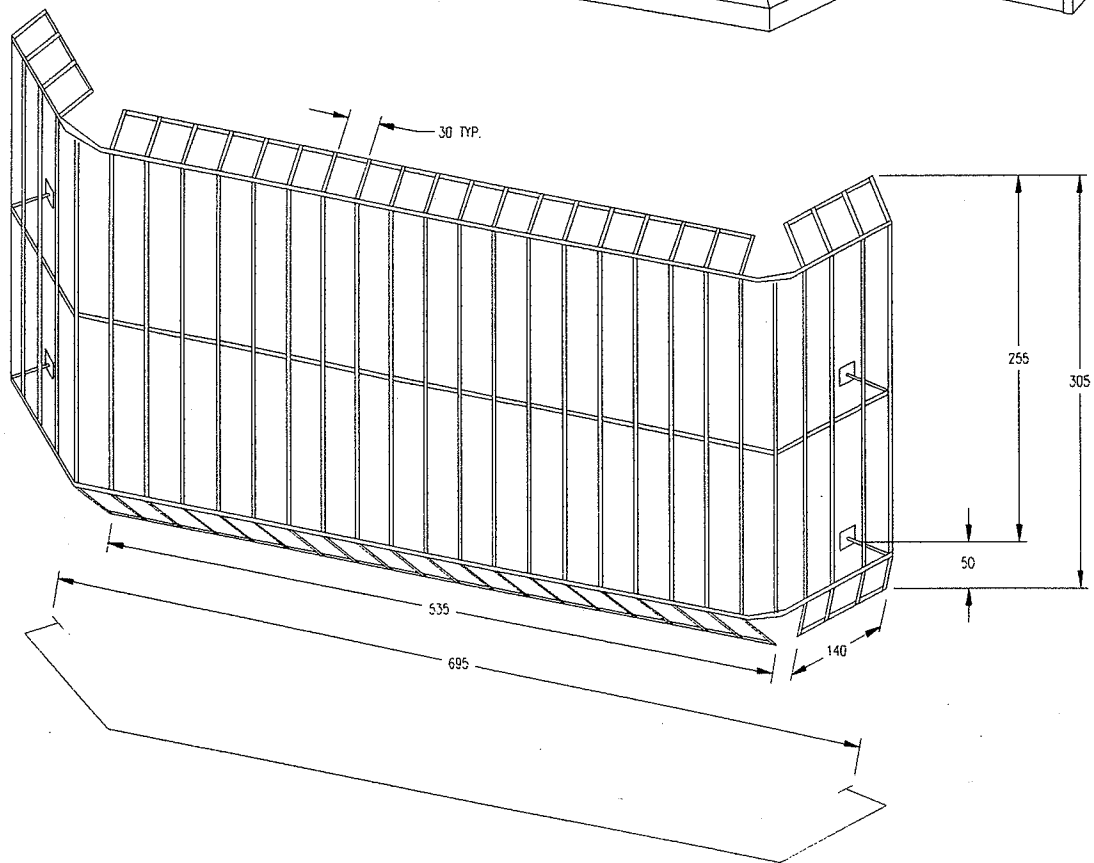
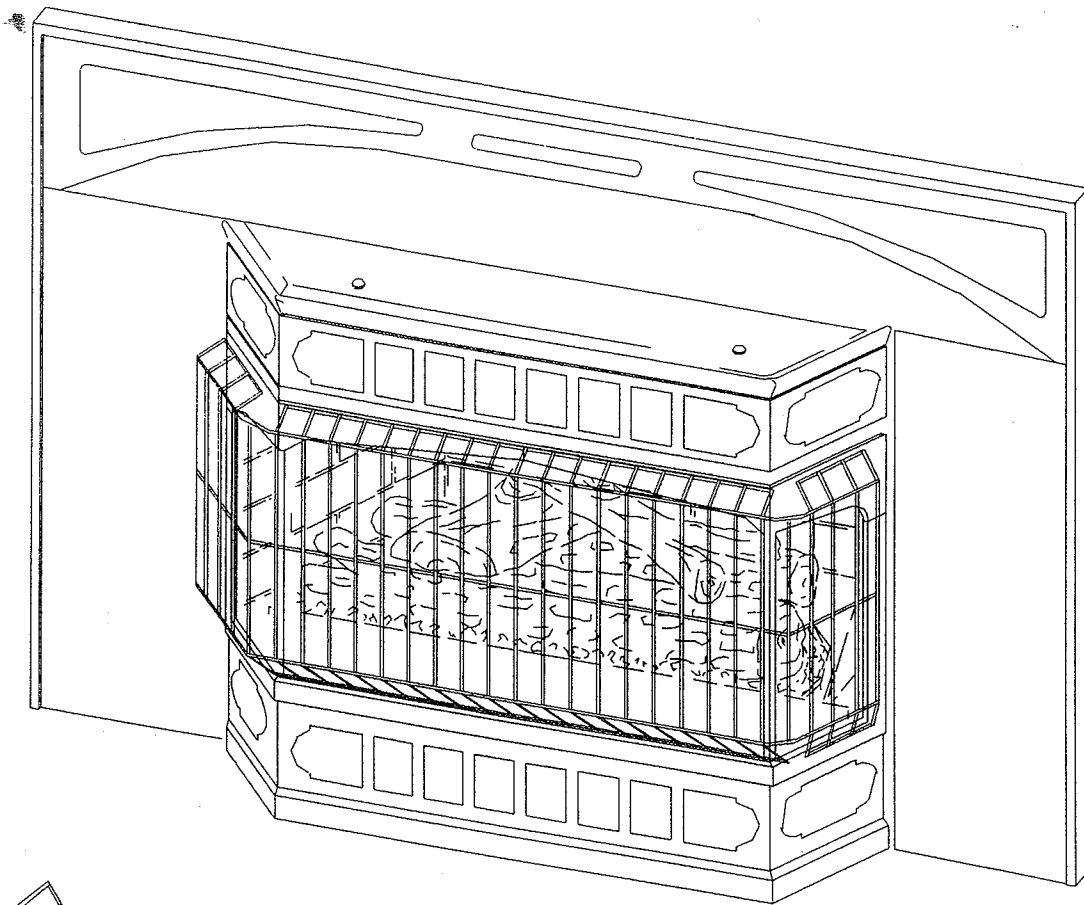


Figure 31

6.0 TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
I. Pilot will not light after repeated triggering of the red piezo ignition button	A. No spark at electrode (weak or no heat source for pilot ignition)	
	1. Improper ignition	1. Align the electrode with 1/8" (3mm) gap to pilot hood
	2. Poor connections at starter and ignition electrode	2. Reconnect if loose
	3. Broken ceramic cover on ignition electrode	3. Replace pilot assembly
	4. Defective piezo igniter	4. Replace piezo igniter
	5. Poor grounding of piezo igniter	5. Tighten mounting nut and/or igniter screws
	B. No gas or low gas pressure	
	1. Gas line shut off(s) may not be turned on	1. Turn on shut-off valves
	2. No gas supply (LPG)	2. Check propane tank; you may be out of fuel
	3. Air in gas lines	3. Purge gas lines
	4. Gas lines may not be connected	4. Connect all gas lines
	5. Low pressure may be caused by bent line	5. Check for a kinked line
	6. Valve control knob not fully depressed in "PILOT" position	6. Fully depress control knob
		Thermocouple/valve
II Pilot will not stay lit after following the lighting instructions	1. Weak or improperly located pilot flame	1. Adjust and clean pilot. The flame must impinge on or engulf the thermocouple, as shown in Figure 24
	2. Defective thermocouple	2. Replace thermocouple

SYMPTOM

POSSIBLE CAUSE

CORRECTIVE ACTION

II Pilot will not stay lit after following the lighting instructions (continued)

Thermocouple/valve (continued)

- | | |
|--|--|
| 4. Thermocouple not installed properly | 4. Make sure all wire connections at the gas valve terminals are tight and the thermocouple is fully inserted into the mounting bracket |
| 5. Open wire connection in pilot circuit | 5. Check wire continuity and connections in the pilot circuit |
| 6. Defective valve | 6. Connect the millivolt meter probes to the thermopile terminals on the gas valve. Turn the valve to the "PILOT" position, depress and light. If the metre reading is greater than 250 millivolts after 30 seconds, the thermopile is good. If the pilot does not stay lit, the valve is defective. Check section "B" below, before replacing valve |

B. Defective safety circuit

- | | |
|---|---|
| 1. Improperly wired | 1. Rewire correctly |
| 2. Loose or defective connections | 2. Check continuity, tighten wiring or connections and repair |
| 3. Defective electromagnet power unit (EPU) | 3. Check and replace if required |
| 4. Defective spill switch | 4. Check continuity & replace if defective |

III. Main burner will not light

A. Valve/Switches

- | | |
|--|---|
| 1. Valve control off | 1. Turn to "ON" position |
| 2. Blockage at the burner (line, orifice, or ports) | 2. Check and clean |
| 3. Defective wall switch or thermostat | 3. Conduct a continuity test or jumper wire test and replace if defective |
| 4. Defective wiring or connections | 4. Conduct a test with a jumper wire and repair as required |
| 5. Excessive length of thermostat wire from valve to wall switch or thermostat | 5. Reduce wire length to less than 100 feet, or increase wire size |
| 6. Wall switch or thermostat incorrectly wired | 6. Wire correctly |
| 7. Defective remote control | 7. Check batteries and replace if required |
| 8. Mismatched remote control frequencies | 8. Match frequencies |

SYMPTOM**POSSIBLE CAUSE****CORRECTIVE ACTION****III. Main burner will not light (continued)****A. Valve/Switches (continued)**

9. Defective valve

9. Turn valve and "ON/OFF" switch to the "ON" position. Check with millivolt meter at terminals TP-TH. Millivolt meter should read greater than 100 millivolts. If the reading is OK and the burner does not come on, replace the gas valve

10. Thermopile may not be generating sufficient voltage (325 mV SIT)

10. Recheck using the millivolt meter. The pilot flame may not be high enough for the flame to properly engulf the thermopile. If so, adjust and reset. If voltage is still insufficient, replace thermopile

11. Wall switch, thermostat, remote control, or wires are defective

11. Follow previous corrective action, check switch and wiring. Replace where defective

IV. Soot deposits on glass

1. Flame impingement on logs

1. Adjust the log set to avoid direct flame impingement. Follow log placement instructions

2. Improper venturi setting

2. Ensure the air shutter is properly set to NG = .06" (1/16") (2mm) and LP = .23" (6mm)

3. Foreign material impeding burner

3. Ensure that no foreign material blocks burner flame ports

4. Air inlet blocked or restricted

4. Clean air inlets

5. Vent system is restricted or inadequate

5. Conduct flue spillage test and correct flue as required

V. Flame burns blue and lifts off burner

1. Insufficient combustion air being supplied

1. Ensure that no foreign material blocks air inlets and that the burner shutter is correctly adjusted. Ensure the vent is adequate

2. Manifold pressure set too high

2. Check manifold pressure

3. Vent system restricted

3. Check vent system

VI. Frequent pilot outage problem

See V

VII. Flames impinge on firebox top

1. Vent system is restricted or inadequate

1. Correct flue as required

2. Manifold pressure too high

2. Check manifold pressure as required

7.0 REPLACEMENT PARTS

When requesting service or replacement parts for your insert, please provide model name, fuel type, and serial number. All parts listed below may be ordered from an authorized dealer.

J-SERIES REPLACEMENT PARTS LIST

COMMON PARTS	
PART No.	DESCRIPTION
JD041	Arch Kit Brass
JD105	Blower Assembly Single Speed (240 Volt)
JD106	Blower Assembly Dual Speed (240 Volt)
JD007	Blower Assembly North America
CA1023	Burner
CZ0097	Burner Orifice Jam Nut
JD0049	Burner Orifice LP
JD0048	Burner Orifice NG
HE23	Burner Switch On/Off
CZ037	Coals
CZ0127	Door Gasket
HG60	Extension Knob, On/Off
HG61	Extension Knob, High/Low
JD006	Fan Speed Control
HE57	Fan Thermal Switch
HG55	Flex Gas Line With Fittings
HM22	Grille Springs (2/unit)
HG38	Ignitor Cable

COMMON PARTS	
PART No.	DESCRIPTION
JD0069	Front Log
JD0070	Log Rear
JD0071	Log Top
JD030	Log Set
BN022	On/Off wires (2/unit)
HG58	Piezo Ignitor
HG36	Pilot Assembly LP With Ignitor
HG35	Pilot Assembly NG With Ignitor
JD0063	Pilot Gas Line
HG51	Pilot Orifice LP
HG52	Pilot Orifice NG
HE24	Switch, 2-Way Rocker, 240V Fan
HE25	Switch, 3-Way Rocker, 240V Fan
HG37	Thermocouple
HE32	Thermodisc Spill Switch
HG25	Thermopile
JD072	Valve Assembly LP
JD071	Valve Assembly NG

TRADITIONAL BAY PARTS (JD)	
PART No.	DESCRIPTION
JD064	Access Door Assembly
CA109	Door Assembly (1 piece glass)
JD035	Door Assembly (3 piece glass)
JD0080	Door Trim Lower Brass
JD0074	Door Trim Upper Brass
JD0077	Gasket Glass Tadpole
JD0006	Glass Front
JD0007	Glass Sides (2/unit)
JD036	Grille Assembly Top
JD0028	Louvre Brass Top

TRADITIONAL FLUSH PARTS (JF)	
PART No.	DESCRIPTION
JF107	Access Door Assembly
JF116	Door Assembly
JF1008	Door Trim Lower Brass
JF1007	Door Trim Upper Brass
JF1006	Gasket Glass Tadpole
JF1005	Glass
JF119	Grille Assembly Top
JF1025	Louvre Brass Top

CONTEMPORARY BAY PARTS (JD)	
PART No.	DESCRIPTION
JG115	Side Grille Assembly, Black
JG116	Access Door Assembly, Black
JG1008	Louvre, Top Gold
10003	Louvre, Black
JG131	Side Grille Assembly, Gold
JG130	Access Door Assembly, Gold
JG1023	Door Trim Lower Gold
JG1022	Door Trim Upper Gold
JG1018	Door Trim Lower Black
10004	Door Trim Upper Black
JG118	Lower Grille Assembly, Black
JG132	Lower Grille Assembly, Gold
JG120	Upper Grille Assembly, Gold
JG122	Upper Grille Assembly, Black
JH1017	Gold Truss Screw
10006	Black Truss Screw

CONTEMPORARY FLUSH PARTS (JF)	
PART No.	DESCRIPTION
JH107	Access Door Assembly, Black
JH113	Access Door Assembly, Gold
JH1011	Louvre, Top Gold
10005	Louvre, Black
JH1017	Gold Truss Screw
10006	Black Truss Screw
JH1009	Door Trim Lower Gold
JH1010	Door Trim Upper Gold
JH1012	Door Trim Lower Black
10007	Door Trim Upper Black
JH109	Lower Grille Assembly, Black
JH114	Lower Grille Assembly, Gold
JH110	Upper Grille Assembly, Gold
JH112	Upper Grille Assembly, Black

9.0 LABEL INFORMATION

WARNROCK HERSEY
WH
LISTED FAN TYPE GAS FIRED VENTED ROOM HEATER
RADIATEUR / CIRCULEATEUR VENTILE
 TESTED TO: CAN/CGA 2.1 M86, ANSI Z 21.11.1-1993 GAS
 FIRED VENTED ROOM HEATERS, CAN/CGA 2.17-M91 GAS
 FIRED APPLIANCES FOR USE AT HIGH ALTITUDES,
 CGA P.4.1-1996 DRAFT A, WH-GPN-004 and WH-GPN-001.
MODEL: VICTORIAN BAY FIREPLACE INSERT

THIS APPLIANCE IS EQUIPPED FOR: NG LP

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

Do not place articles on or against this appliance.
 Do not spray aerosols in the vicinity of this appliance while it is operating. Do not store flammable materials near this appliance.
 Only for direct discharge without duct connection.
 Certified for installation in a bedroom or a bed sitting room

Ne pas placer des articles quelconques sur ou contre cet appareil. Ne pas employer d'aérosol près de cet appareil lorsqu'il fonctionne. Ne pas ranger des matières inflammables près de cet appareil.
 Pour sortie d'échappement directe sans gaine de distribution seulement. Certifié pour installation dans les chambres à coucher ou les chambres meublées.

DO NOT REMOVE THIS LABEL
WH- 21701
NE PAS ENLEVER CETTE ETIQUETTE
 Certified for use in Canada, U.S.A. and Australia.
 AG103-Certificate 5505

GAS TYPE/BAZ TYPE	NATURAL/ NATUREL	PROPANE	GAS TYPE/BAZ TYPE	NATURAL/ NATUREL	PROPANE
ELEVATION / ALTITUDE FT. INPUT (LOW) BTU/H ALIMENTATION (BAS)	0-2000 20,250 21,000	0-2000 20,250 22,500	MANIFOLD PRESSURE (LOW) PRESSION DE DISTRIBUTION (BAS)	17 IN. W.C. 0.42 KPA	6 IN W.C. 1.49 KPA
INPUT (HIGH) BTU/H ALIMENTATION (HAUTE)	30,000	30,000	MANIFOLD PRESSURE (HIGH) PRESSION DE DISTRIBUTION (HAUTE)	3.5 IN. W.C. .87 KPA	10.0 IN W.C. 2.49 KPA
ORIFICE SIZES DMS TAILLES DES ORIFICES	34	37	MINIMUM SUPPLY PRESSURE PRESSION MINIMAL	5 IN. W.C. 1.25 KPA	11 IN W.C. 2.74 KPA
OUTPUT (HIGH) BTU/H PRODUCTION (HAUTE)	22,200	20,000 23,100	ELECTRICAL RATING ESTIMATION ELECTRIQUE	120V. 60HZ. 1.5A	120V. 60HZ. 1.5A



OSBURN MANUFACTURING INC.

Made in Canada by / Fabriqué au Canada par:
OSBURN MANUFACTURING, 555 Ardersier Road, Victoria, B.C. V8Z 1C8

WD
 HL78/JD-001A

THIS ROOM HEATER MUST BE INSTALLED IN ACCORDANCE WITH LOCAL CODES IF ANY, IF NOT, FOLLOW THE CURRENT CAN/CGA B149.1 AND 2 GAS CODES OR ANSI Z223.1 AND 1A 1987. THIS HEATER MUST BE PROPERLY CONNECTED TO A VENTING SYSTEM. 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.

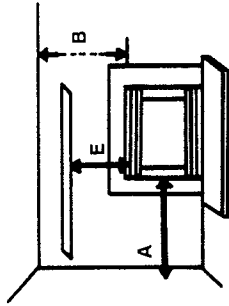
WARNING: IMPROPER INSTALLATION, ADJUSTMENT, SERVICE, OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO OWNERS MANUAL PROVIDED WITH THE APPLIANCE. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER SERVICE AGENCY OR THE GAS SUPPLIER.

CE RADIATEUR DOIT ÊTRE INSTALLÉ CONFORMEMENT AUX EXIGENCES DES CODES LOCAUX. S'IL N'EXISTE AUCUN CODE LOCAL, SE CONFORMER À LA NORME CAN1-B149 EN VIGEUR. CET APPAREIL DOIT ÊTRE CORRECTEMENT RACCORDE À UN SYSTÈME D'ÉVENT. CET APPAREIL EST ÉQUIPÉ D'UN SYSTÈME DE SÉCURITÉ AU NIVEAU DE L'ÉVENT.

HL16/BV-004

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS - INSTALLED AS AN INSERT FOR MASONRY AND ZERO CLEARANCE FIREPLACES:

- A Sidewall / La paroi latérale 10" / 250 mm to the door jusqu'à la porte
- B Ceiling / Le plafond 34" / 865 mm to topouvre jusqu'à l'avent
- C Facing side / La face frontale -top Haut 1" / 25 mm to faceplate jusqu'à la plaque frontale
- D Floor / Le plancher 15" / 381 mm to faceplate jusqu'à la plaque frontale
- E Mantle / Le tablette 12.5" / 318 mm to topouvre jusqu'à l'avent



MINIMUM FIREPLACE OPENING
OUVERTURES MINIMUMES DU FOYER
 Width / Largeur 32" / 818 mm
 Height / Hauteur 20.5" / 521 mm
 Depth / Profondeur 16" / 406 mm

Ne rein mettre dans l'espace situé au-dessus de l'aire. Pour utilisation avec le gaz naturel et le propane, une troussedeconversion fournie par le fabricant doit être utilisée pour passer d'un combustible à l'autre.

Maintenir propres le brûleur et le compartiment de commande. Voir les instructions relatives à l'installation et au fonctionnement qui accompagnent le radiateur. Accaue de la température élevée des parois, tenir éloignes les enfants, les vêtements et less meubles.

Par mesure de securite, ce radiateur requiert de l'air frais et doit être installé de façon a assurer un approvisionnement suffisant d'air de combustion et de ventilation.

DANGER: Risque de decharge électrique.
 Debrancher de la source de courant avant le service de l'appareil. Ne pas deployer le fil de branchement en-dessous de l'appareil.

HL76/JD-001B

DANGER: Risk of electrical shock.
 Disconnect power before servicing unit.
 Do not route power cord beneath heater.

9.0 LABEL INFORMATION

FOR YOUR SAFETY READ BEFORE LIGHTING

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

- A This appliance has a starter pilot which must be lighted by the piezo starter. When lighting the pilot, follow these instructions exactly.
- B **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS**
- Do not try to light any appliance.
 - Do not touch any electric switch; do not use any phone in your building.
- 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.

- 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.

1. STOP! Read the safety information above on this label.
2. Set the thermostat to lowest setting.
3. Turn off all electric power to the appliance.
4. Open the control access grill.
5. Push in gas control knob slightly and turn clockwise to "OFF".

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

6. Turn knob on gas control counterclockwise to "PILOT".
7. Push in the control knob all the way and hold in. Immediately push the piezo ignition button (the red button on the left side) repeatedly until the pilot ignites.

LIGHTING INSTRUCTIONS

8. Continue to hold the control knob in for about 1 minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out repeat steps 1-8.
 9. Turn gas control knob counterclockwise to "ON".
 10. Close the control access grill.
 11. Turn on all electric power to the appliance.
 12. Set thermostat to desired setting.
- 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.

HL12/BV-002A

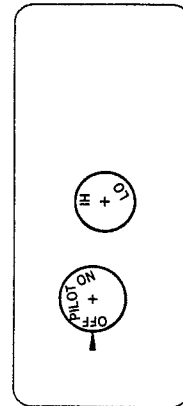
CAUTION: HOT WHILE IN OPERATION. DO NOT TOUCH. KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

ATTENTION: CHAUD PENDANT LE FONCTIONNEMENT. NE TOUCHEZ PAS. TENIR ÉLOIGNÉS LES ENFANTS, LE VÊTEMENTS ET LES MEUBLES.

HL05 8V-003

TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Open the control access grill.
4. Push in gas control knob slightly and turn clockwise to "OFF". Do not force.
5. Close the control access grill.



INSTRUCTIONS D'ALLUMAGE ET DE RALLUMAGE

1. Appuyer légèrement sur le bouton de contrôle du gaz, le tourner jusqu'à la position "OFF" (Arrêt) et attendre 5 minutes.
2. Appuyer légèrement sur le bouton et le tourner jusqu'à la position "PILOT" (Veilleuse).
3. Appuyer à fond sur le bouton et appuyer sur l'allumeur piézoélectrique rouge pour allumer la veilleuse, continuer d'appuyer sur le bouton pendant une minute ou jusqu'à ce que la veilleuse reste allumée une fois que le bouton aura été relâché.
4. Tourner le bouton de contrôle du gaz jusqu'à la position "ON" (Marche).
5. Allumer l'interrupteur électrique si vous en utilisez un.

POUR ÉTEINDRE L'APPAREIL

1. Pour éteindre de façon temporaire: étendre l'interrupteur électrique si vous en utilisez un, ou tourner le bouton de contrôle du gaz jusqu'à la position "PILOT" (Veilleuse). La veilleuse continuera de fonctionner. L'appareil est prêt à être remis en marche (position "ON").
2. Pour éteindre de façon durable: appuyer légèrement sur le bouton et le tourner jusqu'à la position "OFF".

HL14/BV-002BB