

**real flame**  
the hearth of australia

**MONTIGO W38DVT  
INSTALLING  
AND OPERATING  
YOUR GAS-FIRED  
BALANCED FLUE  
SPACE HEATER**

# Wildfire

## *MONTIGO W38DVTV*

### **INSTALLING AND OPERATING YOUR GAS-FIRED BALANCED FLUE SPACE HEATER**

**Please leave this manual with the owner.**

**IMPORTANT:**

Installation of this appliance should only be carried out by an authorised person in accordance with the Manufacturers instructions, local gas fitting regulations, AGA installation code for gas burning appliances and equipment and any other relevant statutory regulations.

**MODEL:**

**W38DVTV**

**DATA PLATE LOCATION:**

Affixed to base of unit for reference to gas pressure and consumption.

**FOR YOUR SAFETY:**

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

**WARNING:**

Improper installation, adjustment, alteration, service 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.

**READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING**

<b>MODEL</b>	<b>OUTLET</b>
<b>W38DV</b>	<input type="checkbox"/> <b>TV</b>

## INTRODUCTION

The Montigo W38DVTV is a log effect space heater for the use with **natural gas and LPG**.

The Montigo warranty will be voided by, and Montigo disclaims any responsibility for, the following actions:

- Modification of the space heater and/or components including Balanced Flue assembly or glass doors.
- Use of any component part not manufactured or approved by Montigo in combination with this Montigo fireplace system.
- Installation other than as instructed in this manual.

## CAUTIONS

- \* Due to its high operating temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- \* Children and adults should be alerted to the hazards of the high surface temperature, which could cause burns or clothing ignition.
- \* Young children should be carefully supervised when they are in the same room as the appliance.
- \* Clothing or other flammable materials should not be placed on or near the appliance.

## SELECTING YOUR WALL FURNACE LOCATION

The wall furnace may be installed in any location that is free of air conditioning ducts, electrical wiring and plumbing. Safety, as well as efficiency of operation, must be considered when selecting the heater location. Try to select a location that does not interfere with room traffic, has adequate ventilation, and offers access for Balanced Flue terminal installation. Refer to AG601 for minimum clearances for Balanced Flue Terminals.

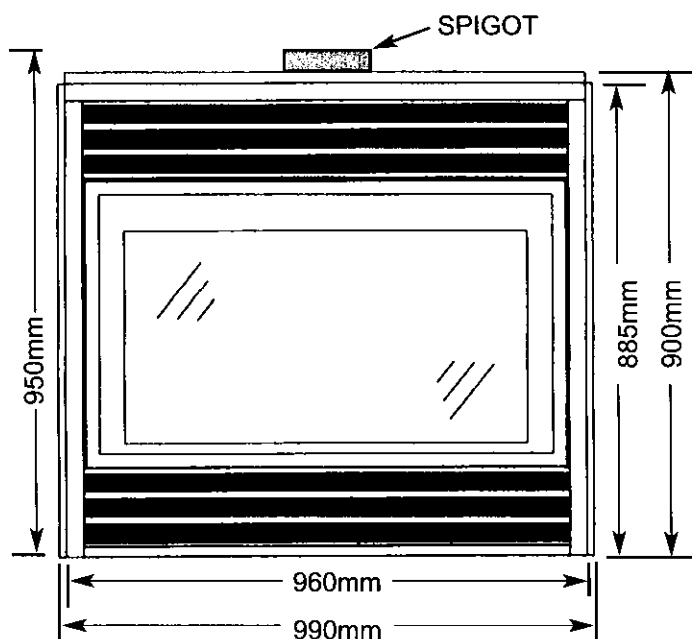
## INSTALLING W38DVTV SPACE HEATER

The W38DVTV clearances to combustible materials are zero mm back, 40mm sides, zero mm floor and 300mm top. The W38DVTV must not be installed any closer than 75mm to any unprotected combustible wall perpendicular to the fireplace opening. Minimum 300mm required to framing above the fireplace when a 90° elbow is used.

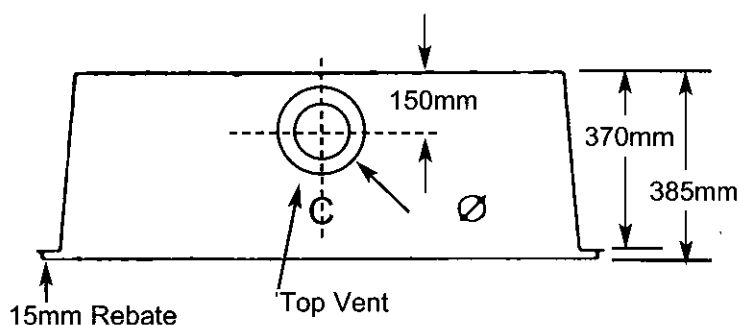
**FIGURE 1.**  
TYPICAL HORIZONTAL VENT  
TERMINATIONS AND WALL FURNACE  
LOCATIONS



## THE FIREPLACE DIMENSIONS ARE SHOWN BELOW.



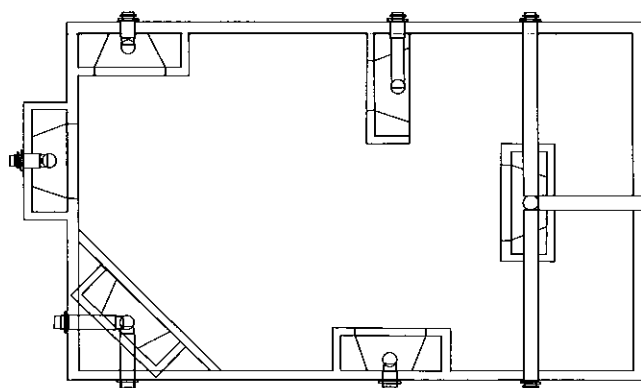
**Figure 2. FRONT DIMENSIONS**



**FIGURE 3. TOP DIMENSIONS**

**WARNING:** When this appliance is installed directly on carpeting, tile or other combustible materials other than wood flooring, the appliance should be installed on a metal or wood panel extending the full width and depth of the appliance.

For protection against freezing temperatures, it is recommended that outer walls of the case be insulated with a vapour barrier. This will reduce the possibility of a cold-air convection current on the fireplace.



*Fireplace locations and vent terminations*

# INSTALLATION OF VENT

## INSTALLATION OF HORIZONTAL VENTING.

Before you install any venting, you must determine whether the venting run will be acceptable.

## THE VENTING GRAPH

Measure the vertical height from the fireplace hearth to the centre of the termination and the horizontal run from the fireplace flue collar to the wall flange of the termination. Plot on the Venting Graph with an 'X'. If the 'X' falls on or above the top boundary of the shaded area, the installation is acceptable.

### Example A: (Acceptable Installation)

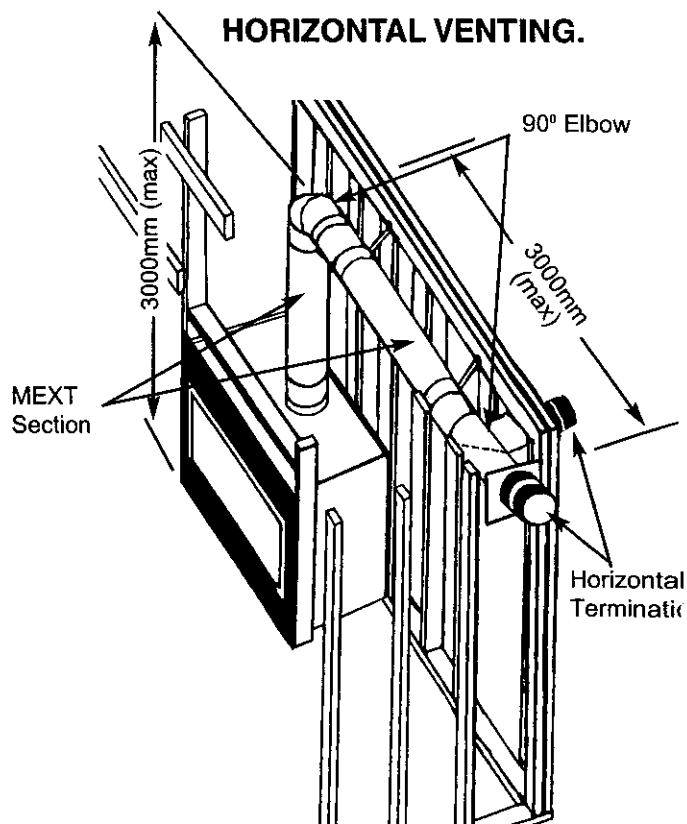
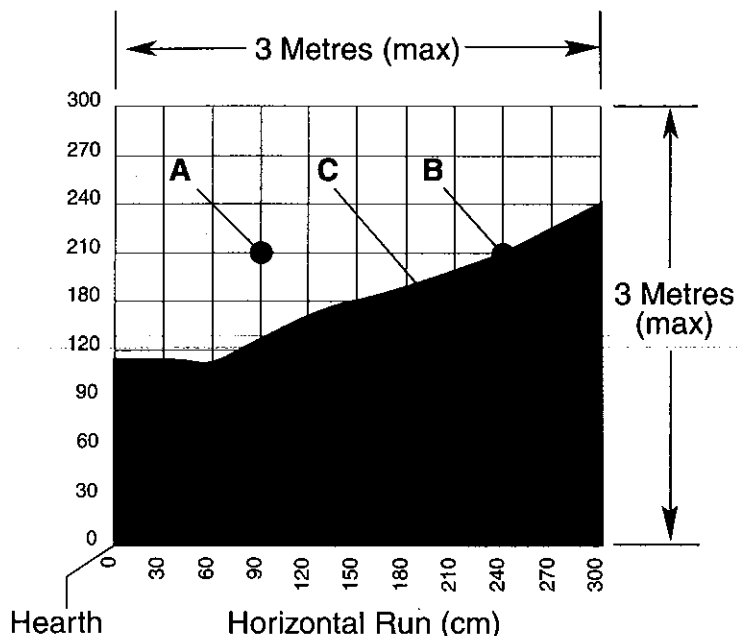
If the vertical dimension from the hearth is 210cm and the horizontal run to the wall flange of the vent termination is 90cm this would be an acceptable installation.

### Example B: (Acceptable Installation)

If the vertical dimension from the hearth is 210cm and the horizontal run to the wall flange of the vent termination is 240cm this would be an acceptable installation.

### Example C: (Unacceptable Installation)

If the vertical dimension from the floor of the fireplace is 150cm and the horizontal run to the wall flange of the vent termination is 210cm **this would NOT be an acceptable installation.**



*Top Vent installation. The solid sections can be used in various combinations to obtain the desired vent run. The vent run must fall within the limits set by the venting graph. NOTE: A maximum of two 90° bends is allowed as shown.*

## VENTING COMPONENTS

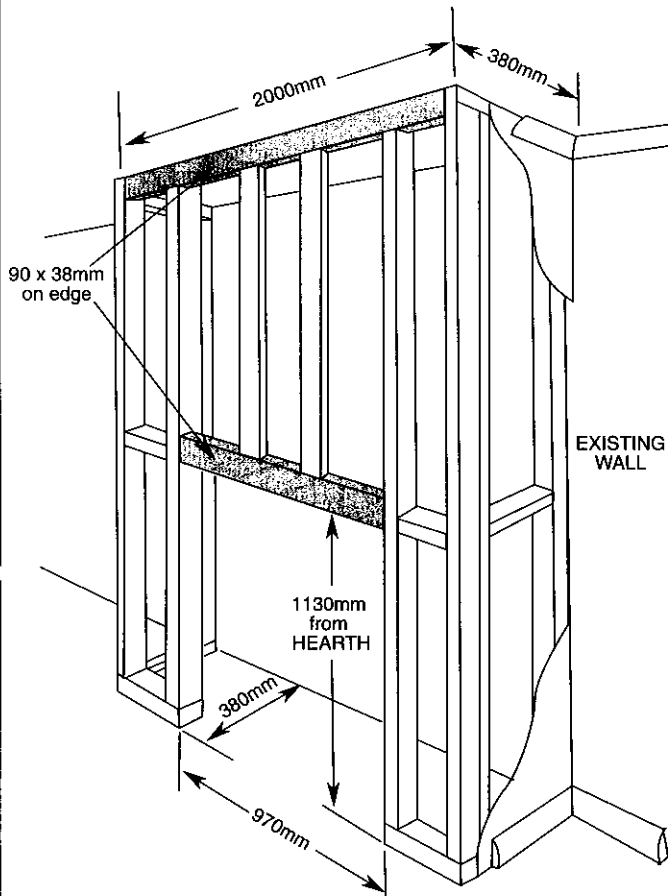
The following venting components are available for the W38DV Top Vent:

A - Termination Horizontal	MTO-3 (3" length) MTO-3F (3" length)
B - Termination Vertical	MVTK 1
C - High rise housing for internal fitting of termination	MOSR
D - Solid section	EXT-18 (450 f/f section) MEXT-1 (350 m/f section) MEXT-2 (600 m/f section) MEXT-4 (1200 m/f section) MEXT-10 Adaptor
E - Elbow	MEL-90F (f/f 90° elbow) MEL-90FM (f/m 90° elbow) EEL-45 (f/m 45° elbow)

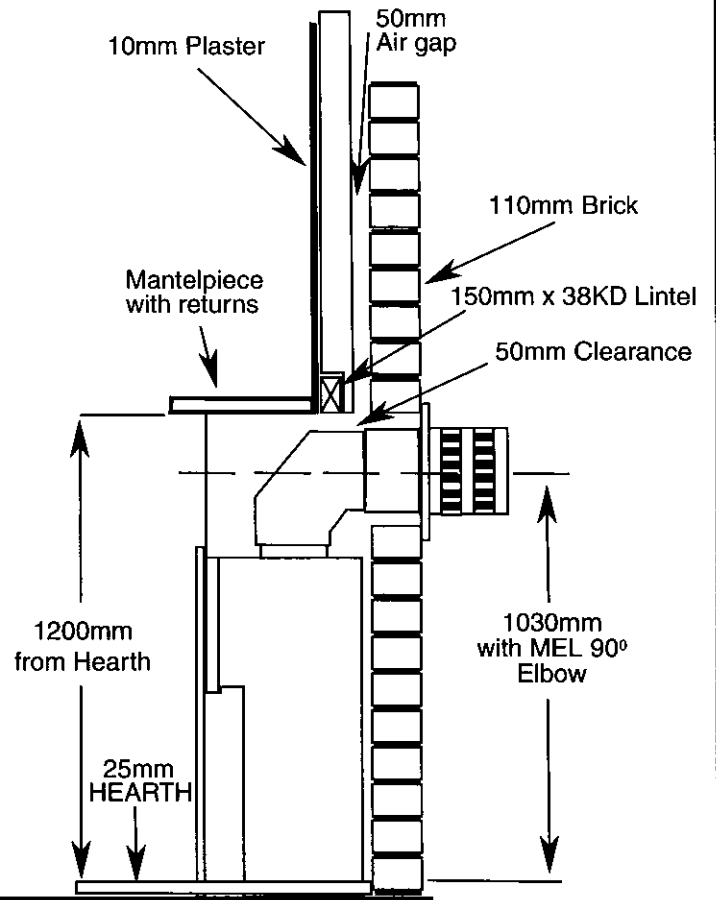
NOTES: All dimension lengths for vertical or horizontal runs are measured from center of the vent pipe.

Venting runs must fall within the limits set by the venting graph.

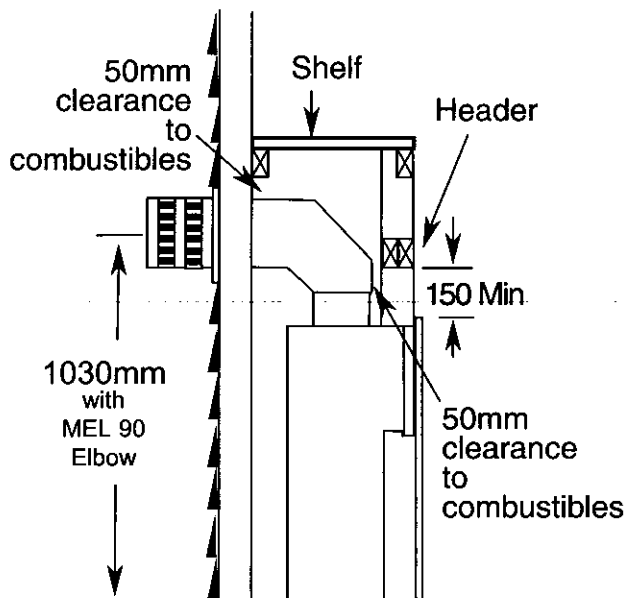
### CHIMNEY BREAST EFFECT FRAMING DIMENSIONS



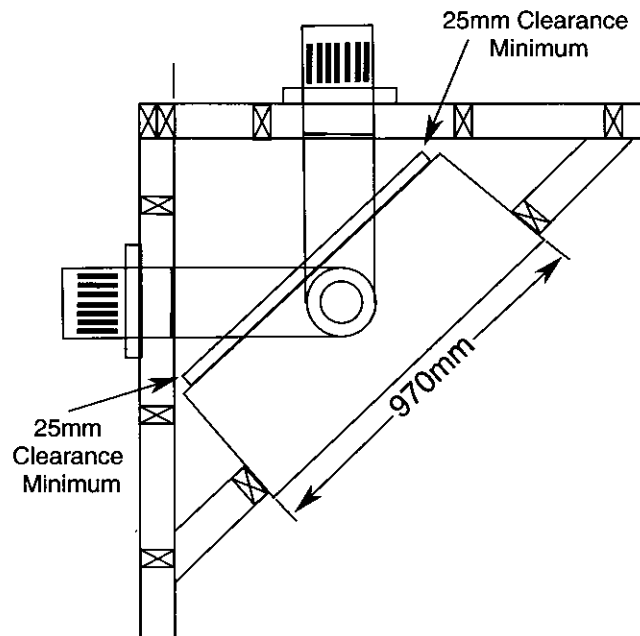
### BRICK VENEER WITH WRAP AROUND MANTELPiece



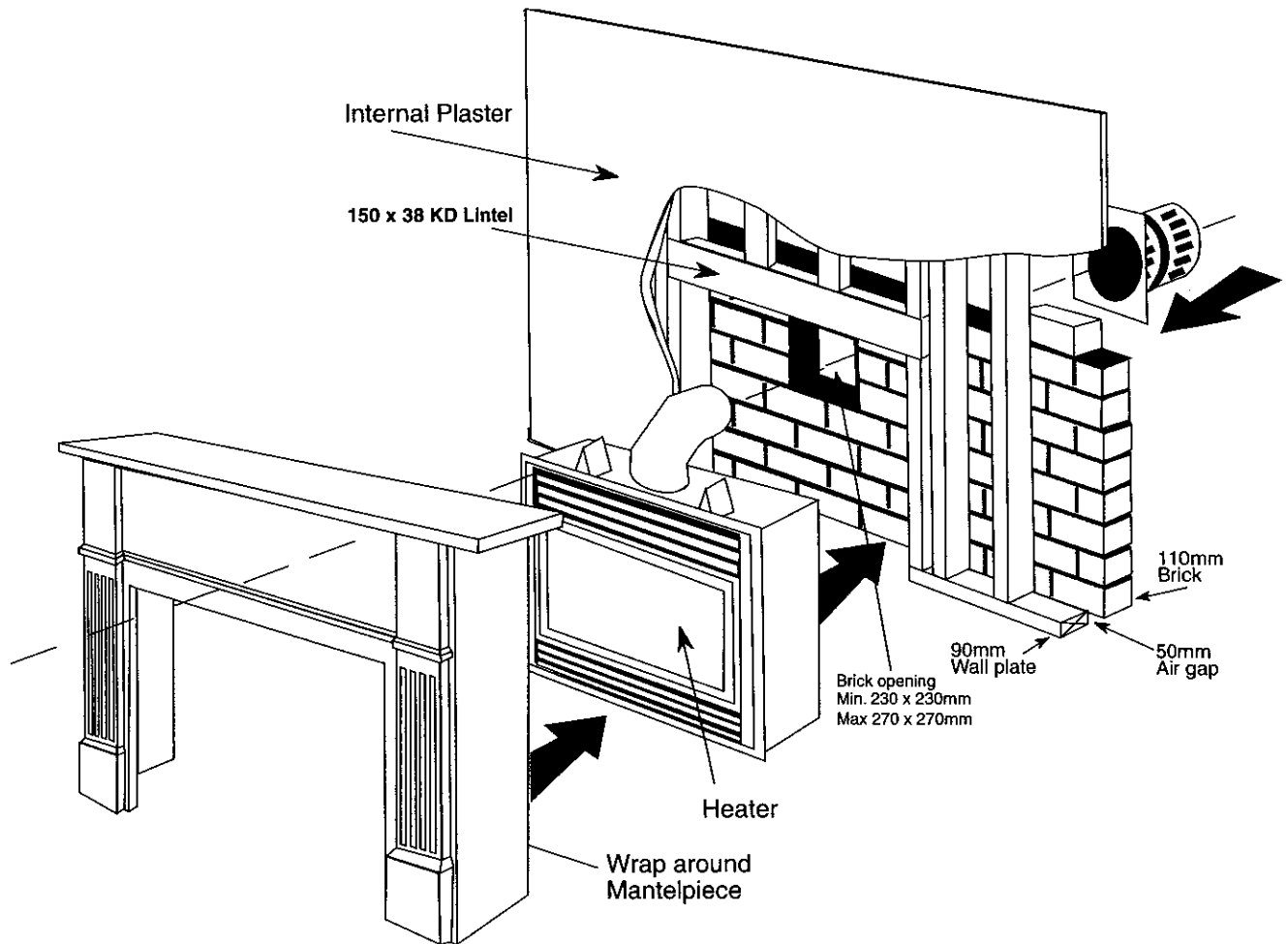
### ENCLOSED FRAMEOUT



### CORNER FRAMING DIMENSIONS



## WRAP AROUND MANTELPiece INSTALLATION OF VENT

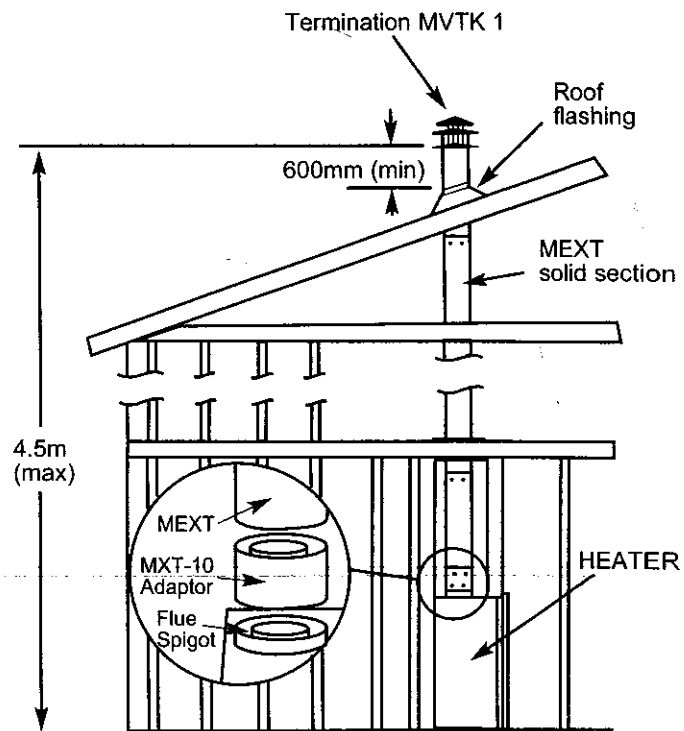


## INSTALLATION OF VERTICAL VENTING

Vertical terminations must be installed:

- Minimum of 600mm above highest point where vent passes through the roof.
- Minimum of 2 metres from a mechanical air inlet.
- Minimum of 1meter from a parapet wall unless termination height is greater than parapet wall.
- Maximum vent height is 4.5 metres from base of unit.
- Minimum clearances 50mm from vent to all combustible materials must be maintained.
- 2 x 45° offsets allowed, must not exceed 25% of the height.

eg: Typical vent installation 4.5 metres from base of unit 25% of 4.5 metres = 1.125 metres.



\* Minimum 50mm clearance to all combustibles

**Figure 13.** Straight, vertical venting using required MXT-10 adaptor

## BALANCED FLUE TERMINATION LOCATION

This section is used to determine where your Balanced Flue termination will be located.

FLUE TERMINATIONS SHALL NOT BE RECESSED IN WALLS OR SIDING.

## CAUTION

- 1) **Extremely Important:** In heavy snow areas take extra care to prevent against blocking flue termination with snow removal equipment.
- 2) Flue gases exiting flue terminals are very hot and must not be restricted to assure fireplace combustion is not affected.
- 3) Do not place, build any obstruction, plant any bushes or for any reason attempt to conceal the flue termination. To do so will affect the operation of the fireplace and may be hazardous.

## CAUTIONS AND REQUIREMENTS

All vent pipes must maintain a minimum of 50mm clearance to combustible materials.

Note: It is imperative for satisfactory operation of the W38DVT/TV space heater that no fluing component be modified in any way. All components have been manufactured to eliminate the need for modification when properly selected and installed.

## INSTALLING THE GAS LINE

The gas line must be installed before finishing the W38DVT/TV Space Heater. The gas control valve is mounted behind the trims at the bottom of the unit. A 10mm ML x 15mm copper union is required to be fitted in valve for connection to gas piping through the access opening which is provided on the left hand side of the unit.

## TO ACCESS LOG SET AND BURNER

The door frame surround is attached to the wall furnace with magnets that are located on the back of the frame. The magnets will hold the frame in place by simply aligning the frame to the outside of the door. To remove simply lift one corner complete with screen.

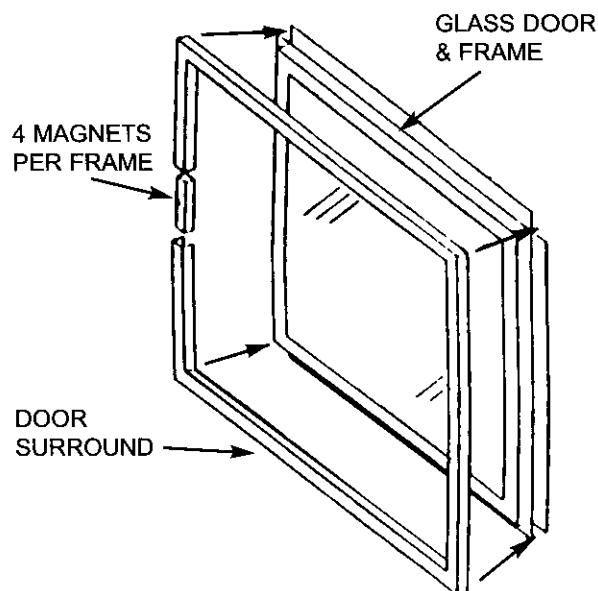


FIGURE 4. REMOVING DOOR SURROUND

## REMOVING THE GLASS DOOR

To remove the glass door simply remove 10 screws from the door frame.

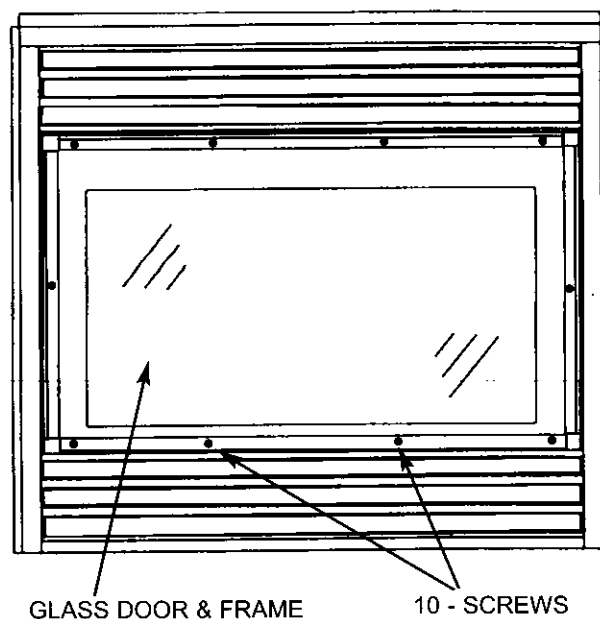


FIGURE 5. REMOVING GLASS DOOR

## INSTALLING LOG SET

The W38DVTV is supplied with four soft fibre ember logs. Two bottom big logs are factory mounted and cannot be moved. Two top logs, place as indicated in Figure 6.



FIGURE 6. LOG INSTALLATION

## MANTELS & SURROUNDS

When selecting the finish material for your space heater it is important to remember the following: TRIMS MUST NOT BE OBSTRUCTED IN ANY WAY - to do so restricts the air supply for the control compartments and heat exchanger it also prevents access for servicing controls.

Decorative facings must not extend past the space heater opening at all, because it will interfere with the access to retainers for removal of glass door.

Combustible mantels and mouldings may be safely installed over the top and on the front of the fireplace provided that they do not project beyond shaded area shown in Figure 8, side wall clearances are 75mm. Combustible surrounds may be installed with 75mm clearance to the side of the space heater as shown in Figure 7.

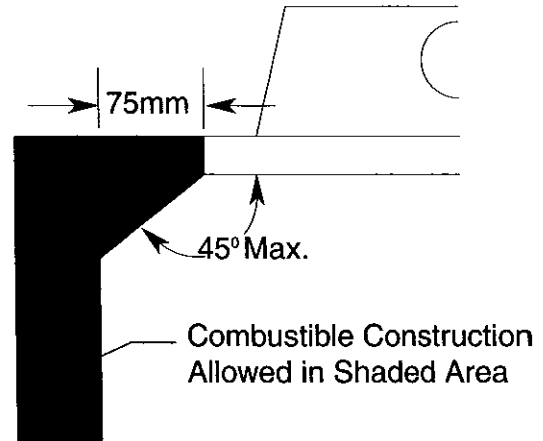


FIGURE 7. COMBUSTIBLE MANTELS & FACINGS

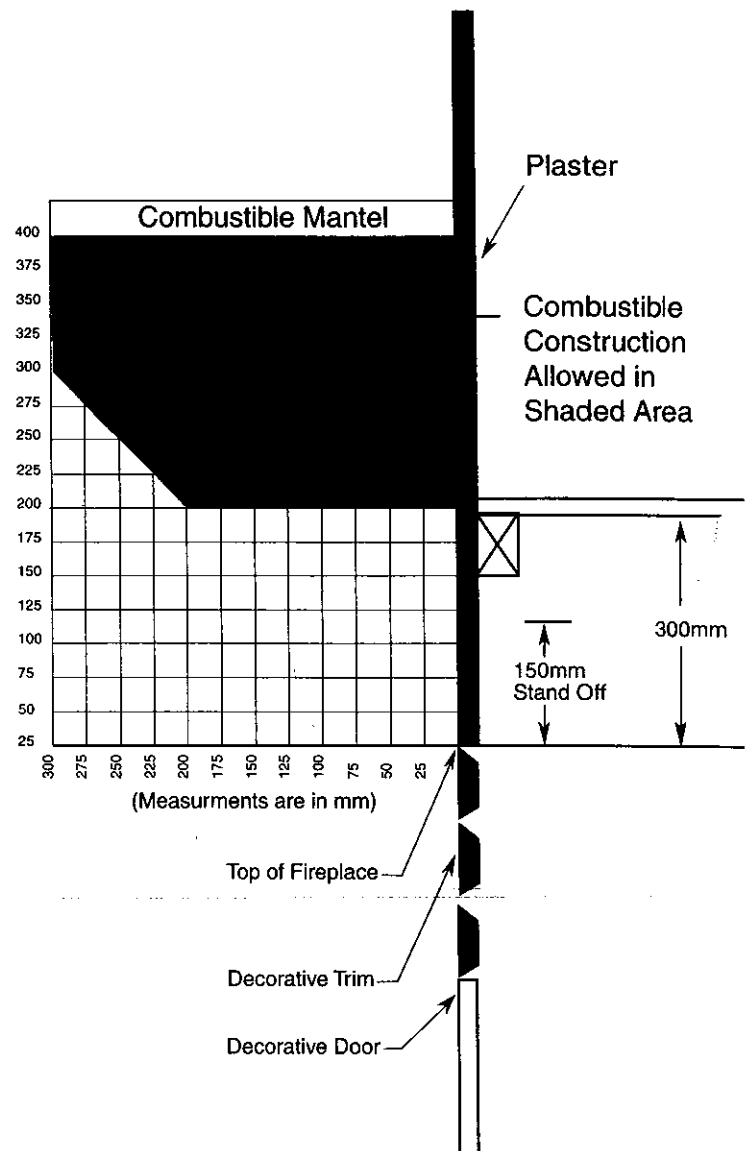


FIGURE 8. COMBUSTIBLE MANTELS & FACINGS



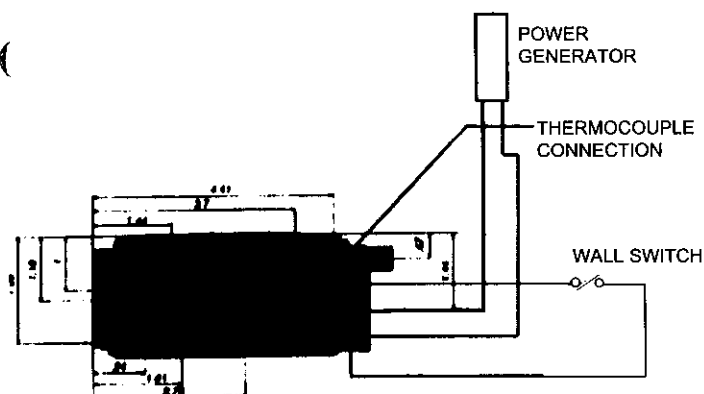
## INSTALLING THE REMOTE SWITCH

The W38DVTV is equipped with a remote-operated valve, located behind the removable grill, to the right of the gas control valve. The valve is pre-wired and completely self contained to generate its own power. DO NOT connect any external power to it. Connect wiring to standard wall mounted switch.

**NOTE:** The switch location must not exceed 6 metres from heater.

## LIGHTING PILOT AND MAIN BURNER


The gas control valve is located behind the trim in the centre of the wall furnace. Before lighting the pilot, make sure that the gas line is connected.




**FOR YOUR SAFETY  
READ BEFORE LIGHTING**

- A. The appliance has a pilot which must be lit using the Piezo ignition. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING the appliance check for gas leaks.
- 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 attempt to repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

## LIGHTING INSTRUCTIONS

- 1) **STOP!** Read the safety information.
- 2) Open lower trims.
- 3) Push in gas control knob and turn clockwise  to "OFF".

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

- 4) Light pilot burner following steps below.
- 5) Turn in knob on gas control and turn counterclockwise  to "PILOT".
- 6) Push in control knob all the way and hold in. Immediately light the pilot using the Piezo igniter (red button). Continue to hold the control knob in for about 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 steps 3 through 7.
- 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.
- 7) Turn gas control knob counterclockwise to "ON".
- 8) Close lower trim.
- 9) Turn on remote wall switch to ignite fire.

## TO TURN OFF GAS TO APPLIANCE

- 1) Turn off remote wall switch.
- 2) Open lower trim.
- 3) Push in gas control knob slightly and turn clockwise to "OFF". Do not force.
- 4) Close trim.

**FAN**

Supplied with three point plug for easy installation.  
Can be direct wired by qualified electrician. Recommend isolating switch for servicing.  
It is recommended that fan be cleaned once per year.

## MAINTENANCE

Have the wall furnace installation inspected yearly, including a visual check of the flue system, the burner and the pilot flame.

## CLEANING

When wall furnace is first activated some smoking and visible film on the glass may occur, this is a normal condition of heat burning off protective coatings on new metal.

- Products of combustion do deposit a visible film on the glass which must be cleaned periodically. Film can easily be removed by removing the 10 screws which hold the door in place, handling carefully, and cleaning with normal liquid household products.

**WARNING: Do not attempt to clean glass when hot. Do not clean glass with abrasive materials as any glass etching may cause premature glass failure.**

- Silicone seals on inner door during initial firing may "off gas", leaving a visual deposit of a white substance on combustion chamber walls. This can easily be removed using normal household products.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.

## CAUTIONS

- \* Fireplace gas control must be in the 'OFF' position and pilot and main burners extinguished when cleaning appliance with a vacuum.
- \* Doors and logs can get very hot, handle only when logs are cool.

## TROUBLESHOOTING

The following is a troubleshooting chart of possible problems:

PROBLEM	CORRECTIVE ACTION
Noisy Pilot Flame	Remove pilot adjuster cap, located next to gas shut off valve. Flame is decreased by turning adjustment screw clockwise.
Pilot won't ignite	Disconnect remote wires and try to light pilot. If pilot now works, remote connections are faulty.
Main burner will not light	1. Check wiring. 2. Check wall switch for proper connection.

If your W38DVTV still does not operate correctly, consult your dealer or the manufacturer.

**All service and repairs should be performed by a qualified agency.**

All spare parts, optional fans and optional trim finishes are available from Real Flame Gas Log Fires P/L or your local dealer.

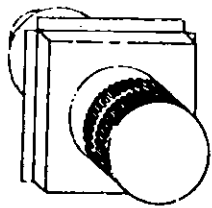
## WARRANTY

The Montigo W38DVTV has a ten-year limited warranty on the firebox, a five-year warranty on the main burner and one-year warranty on the pilot burner, cultured oak logs and the gas control valve and glass doors.

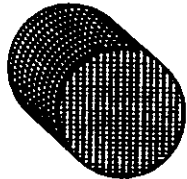
# Wildfire

## MONTIGO W38DVTV

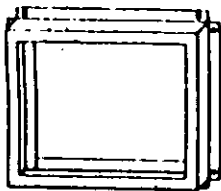
# MONTIGO W38DVTV SPARE PARTS LIST



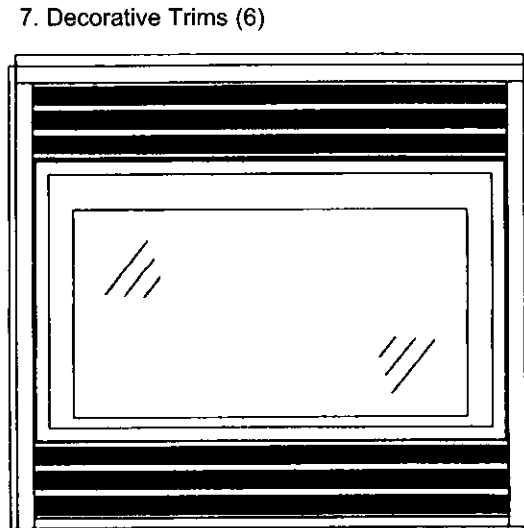
1. MTKO Termination



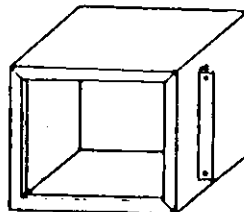
2. MTKOG Heat Guard



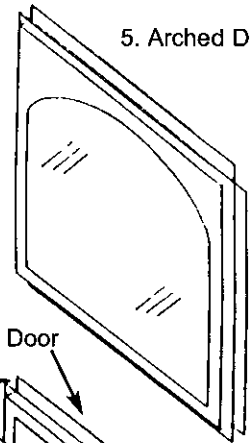
3. Siding or Stucco Frame



7. Decorative Trims (6)

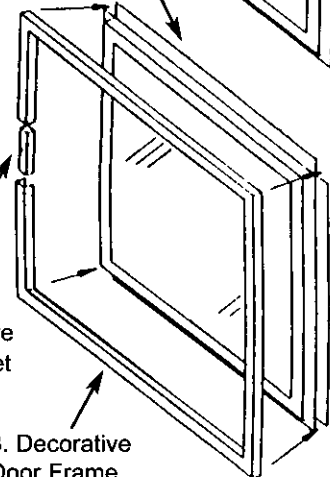


4. Siding or Stucco Can



5. Arched Door

6. Standard Door

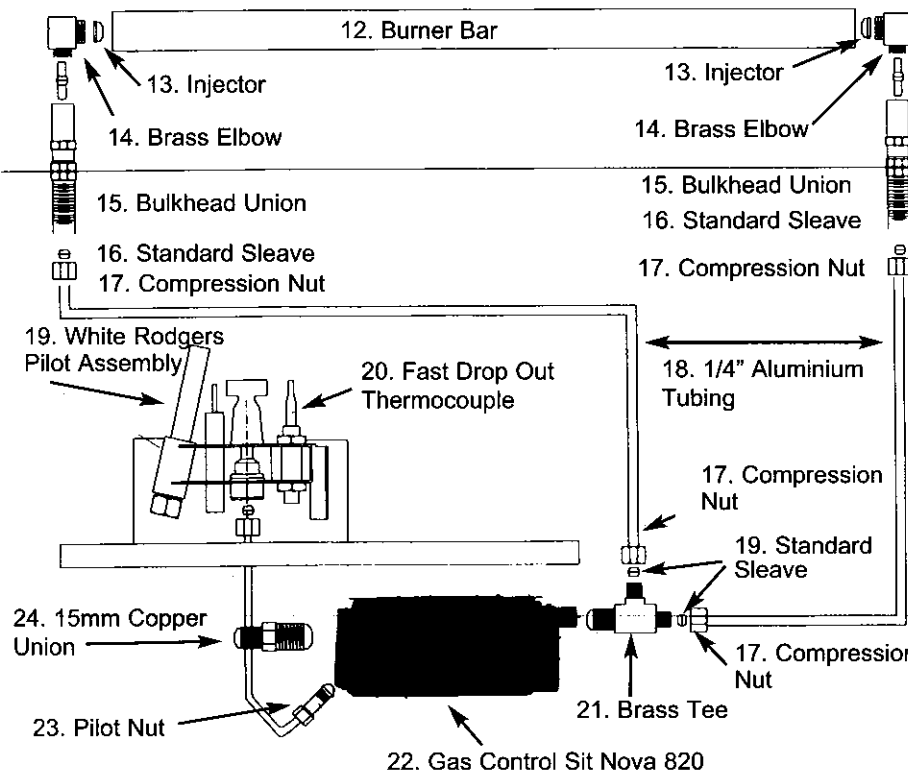


9. Decorative Door Magnet

8. Decorative Door Frame

## PART LIST

1. MTKO Termination
2. MTKOG Heat Guard
3. Siding or Stucco Frame
4. Siding or Stucco Can
5. Arched Door
6. Standard Door
7. Decorative Trims (6)
8. Decorative Door Frame
9. Decorative Door Magnet
10. Fan Motor
11. Fan Control
12. Burner Bar
13. Injector
14. Brass Elbow
15. Bulkhead Union
16. Standard Sleeve
17. Compression Nut
18. 1/4" Aluminium Tubing
19. White Rodgers Pilot Assembly
20. Fast Drop Out Thermocouple
21. Brass Tee
22. Gas Control Sit Nova 820
23. Pilot Nut
24. 15mm Copper Union
25. W38 Log Set



25. W38 Log Set

**real flame**  
the hearth of australia

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