FLAVEL

At the heart of your home

Sophia MK2

CONVENTIONAL FLUE LOG EFFECT GAS FIRE

Installation, Maintenance & User Instructions

Hand these instructions to the user

Model No's FDCLRN2 is only for use on Natural Gas (G20) at a supply pressure of 20 mbar in G.B. / I.E.**

**** denotes cosmetic variant**

Information Requirements for Commission Regulation (EU) 2015/1188

Model Identifier	**FDCL**RN2**
Indirect Heating Functionality	**No**
Direct Heat Output	**5.6kW**
Indirect Heat Output	**Not Applicable**
Fuel	**Natural Gas (G20)**
NOx Emissions	**130mg/kWh**
Nominal Heat Output	**5.6kW**
Minimum Heat Output (Indicative, all models)	**2.2kW**
Useful Efficiency at Nominal Heat Output	**82.0%**
Useful Efficiency at Minimum Heat Output (Indicative)	**50.0%**
Auxilliary Power Consumption at Nominal Heat Output	**0.0805008kW**
Auxilliary Power Consumption at Minimum Output	**0.0805008kW**
Auxilliary Power Consumption at Standby Mode	**0.0005008kW**
Permanent Pilot Flame Requirement	**0.25kW**
Type of Heat Output / Room Temperature Control	**With electronic room temperature control plus day timer**
Contact Details	**BFM Europe Ltd. Gordon Banks Drive Trentham Lakes North Stoke-on-Trent ST4 4TJ Tel : 01782 339000**

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This appliance is manufactured by :-

BFM Europe Ltd, Trentham Lakes,
Stoke-on-Trent, ST4 4TJ.

SECTION 1
INFORMATION AND REQUIREMENTS

1.0 APPLIANCE INFORMATION

Model	FDCL**RN2 ** denotes cosmetic variance
Gas Type	G20
Main injector (1 off)	Cat 82 size 480
Pilot Type	Seagas P5-29D
Max. Gross Heat Input :	7.6kW
Min. Gross Heat Input :	4.4kW
Cold Pressure :	20.0 +/-1.0 mbar
Ignition :	Via remote, integral to control system
Electrode Spark Gap	4.0mm
Packed Weight	90kg
Gas Connection :	8mm Compression (supplied with fire)
Supply Voltage :	230V a.c.
Supply Frequency :	50Hz
Supply Fuse :	3 Amp to BS 1362
Electrical Supply Required	230v AC, 50Hz
IP Rating	IPX0

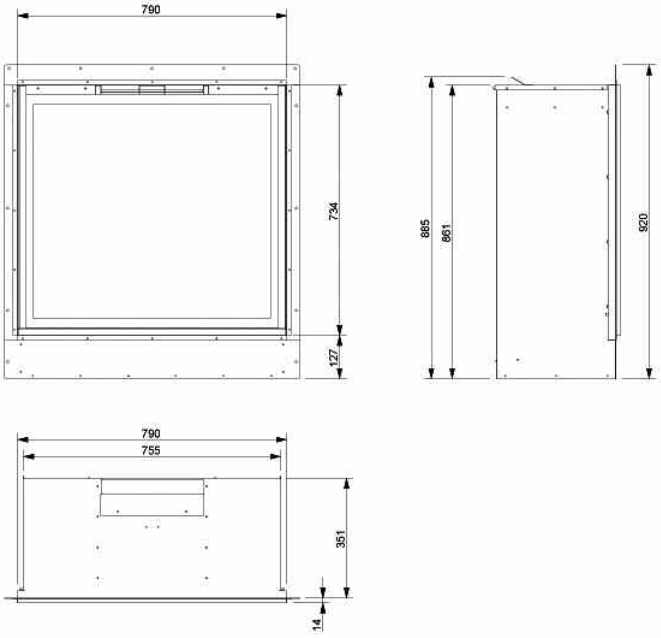


Fig. 1

INSTALLATION REQUIREMENTS

1.1 CONDITIONS OF INSTALLATION

It is the law that all gas appliances are installed only by a GAS SAFE Registered Installer, in accordance with these installation instructions and the Gas Safety (Installation and Use) Regulations 1998 as amended. Failure to install appliances correctly could lead to prosecution. It is in your own interest and that of safety to comply with the law.

The installation must also be in accordance with all relevant parts of the Local and National Building Regulations where appropriate, the Building Regulations (Scotland Consolidation) issued by the Scottish Development Department, and all applicable requirements of the following British Standard Code of Practice.

1. B.S. 5871 Part 2 Installation of Inset Fuel Effect Gas Fires
2. B.S. 6891 Installation of Gas Pipework
3. B.S. 5440 Parts 1 & 2 Installation of Flues and Ventilation
4. B.S. 1251 Open fire place components
5. B.S. 715 Metal flue pipes for gas appliances
6. B.S. 6461 Part 1 Installation of Chimneys and flues
7. B.S. E.N. 1858 Chinmeys Components & Concrete Flue Blocks
8. I.S. 813 : 1996 Domestic Gas Installation (Republic of Ireland)

No purpose made additional ventilation is normally required for this appliance, when installed in G.B. When Installing in I.E. please consult document I.S. 813 : 1996 Domestic Gas Installation, which is issued by the National Standards Authority of Ireland. If installing in Northern Ireland, please consult local building regulations. Any purpose made ventilation must be checked periodically to ensure that it is free from obstruction.

1.2 FLUE AND CHIMNEY SUITABILITY

This appliance is designed for use with conventional brick built or lined chimneys and fabricated flues conforming to BS 715. All flues must conform to the following minimum dimensions.

Minimum diameter of circular flues	**125 mm (Without Flue Restrictor Fitted)**
Minimum effective height of all flue types	**4 metres**

When fitting to conventional chimneys or 175mm flues it may be desirable to leave the flue restrictor baffle (supplied) in place to reduce the flue flow and increase the efficiency of the fire. Safe clearance of products must always be checked by carrying out a smoke match test as described.

1.3 FIREPLACE / SURROUND SUITABILITY

The fire must only be installed with a hearth it **must not be installed directly onto carpet or other combustible floor materials.**

If a heating appliance is fitted directly against a wall combustible material must be removed from behind it. Soft wall coverings such as blown vinyl, wall paper etc. could be affected by the rising hot air and scorching and/or discoloration may result. Due consideration should be made to this when installing or decorating.

1.4 SHELF POSITION

The fire may be fitted below a combustible shelf providing there is a minimum distance of 200mm above the top of the fire and the shelf does not project more than 150mm. If the shelf overhangs more than 150mm the distance between the fire and the shelf must be increased by 15mm for every 25mm of additional overhang over 150mm.

1.5 FLUE / CHIMNEY INSPECTION

Before commencing installation, a flue or chimney should be inspected to ensure that all the following conditions are satisfied.

1. Check that the chimney / flue only serves one fire place and is clear of any obstruction. Any dampers or register plates must be removed or locked in the open position.

2. Brick/stone built chimneys or any chimney or flue which has been used for an appliance burning fuel other than gas must be thoroughly swept. The base of the chimney / flue must also be thoroughly cleared of debris etc.

3. Any under-floor air supply to the fire place must be completely sealed off.

4. Ensure that the inside of the chimney / flue is in good condition along it's length and check that there is no leakage of smoke through the structure of the chimney during and after the smoke pellet test.

5. **Using a smoke pellet, check that there is an up-draught in the chimney / flue and that the smoke can be seen issuing from the terminal / chimney pot outside.**
   There must be no leakage of smoke through the structure of the chimney during or after the smoke pellet test and it is important to check inside upstairs rooms adjacent to the chimney / flue. Check the chimney pot / terminal and general condition of the brickwork or masonry. If the chimney or flue is in poor condition or if there is no up-draught do not proceed with the installation. If there is a history of down-draught conditions with the chimney / flue, a tested and

certificated flue terminal or cowl suitable for the relevant flue type should be considered.

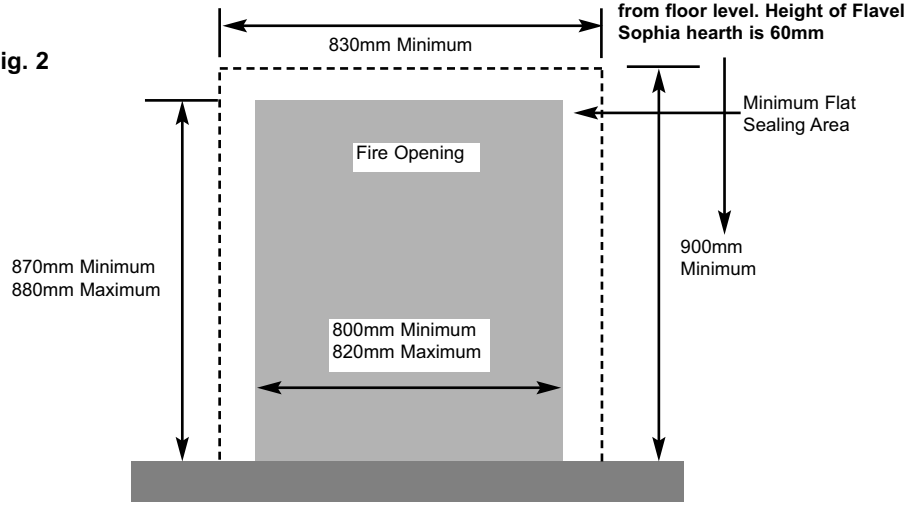
6. **A spillage test must always be carried out during commissioning of the appliance.**

1.6 FIRE PLACE OPENING AND CHIMNEY CATCHMENT SPACE

The front opening of the fire place must be between 800 and 820mm wide, and between 870mm and 880mm high. If the opening exceeds these dimensions then a surround must be constructed from suitable non-combustible material to produce a correct size opening. The fire must be suitably sealed to the fireplace opening to prevent leakage. See below in figure 2.

NOTE : Opening height must be measured from top face of hearth panel when installed not from floor level. Height of Flavel Sophia hearth is 60mm

Fig. 2

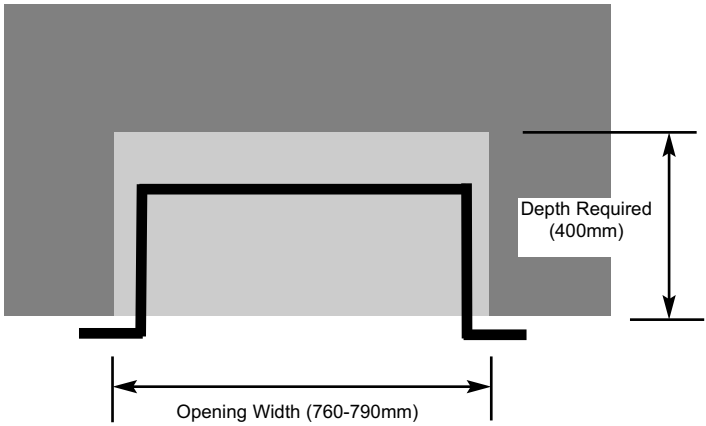


When installing into a brick built chimney, you must ensure that there is sufficient depth to accomodate any debris which may fall from the chimney. This depth must be sufficient to accomodate 12 litres of volumetric space in a conventional brick built chimney.

Table A - Installation Depth Requirements for Flavel Sophia MK2 being installed into a brick built chimney, requiring 12.0 litres of debris collection volume (figure 3).

Opening Width (mm)	Minimum Depth Required (mm)
800-820mm	400mm

Fig. 3



1.7 FITTING TO FIREPLACES WITH EXISTING CHAIRBRICKS AND CONVENTIONAL BRICKBUILT CHIMNEYS

This appliance is not suitable for use in fireplaces fitted with an existing chairbrick without the removal of the chairbrick.

1.8 FITTING TO PRE-FABRICATED TWIN WALL METAL FLUE BOXES

The appliance may be fitted to twin wall metal flue boxes conforming to the constructional requirements of BS 715. The box must have a minimum flue diameter of 125mm internal and minimum internal dimensions of 451mm deep by 870mm high by 800mm wide. The top face of the box must be insulated with a minimum thickness of 50mm of non-combustible mineral wool insulation or similar material. The flue box must stand on a non-combustible base of minimum thickness 12mm. A suitable box is available from the manufacturer, please quote part number 1151-157360.

1.9 SPILLAGE MONITORING SYSTEM

This appliance is fitted with an atmosphere sensing spillage monitoring system in the form of an oxygen sensing burner. This is designed to shut the fire off in the event of a partial or complete blockage of the flue causing a build up of combustion products in the room in which the fire is operated. **The following are important warnings relating to this spillage monitoring system** :-

1) The spillage monitoring system must not be adjusted by the installer.

2) The spillage monitoring system must not be put out of operation.

3) When the spillage monitoring system is exchanged only a complete original manufacturers part may be fitted.

SECTION 2
INSTALLATION OF FIRE

2.1 UNPACKING THE FIRE

Carefully lift the fire out of the carton. Remove the loose item packaging, check the contents as listed below :-

NOTE : DO NOT UNDER ANY CIRCUMSTANCES USE THIS APPLIANCE IF THE GLASS PANEL IS BROKEN OR NOT SECURELY FIXED TO THE FIREBOX.

Packing Check List - All Models

Pack 1 of 1 - Combustion Chamber Pack

1 off	Combustion chamber & glass frame assembly
1 off	Boxed ceramic fuel-bed set (packed inside combustion chamber)
1 off	Installation / user instruction manual
1 off	Loose items pack – containing :- 1 off 9V battery, remote handset, 1 off fixing kit, 2 off surround brkts, 1 off handset wall brkt (inc. fixings), 1 off glass removal tool, 1 off restrictor baffle & fixing screws, 3 off bags of vermiculite, 1 off Embaglow, 4 off nylon wallplugs, 4 off 30mm woodscrews, 4 off No. 12 x 40mm screws.

2.2 INSTALLING THE FIRE BOX

Establish which type of flue you are intending to install the fire in to :-

225 x 225mm (9 inch x 9 inch) brick built chimneys
175mm (7 inch) diameter lined brick or stone flue, or insulated pre-fabricated metal flue box to B.S. 715.

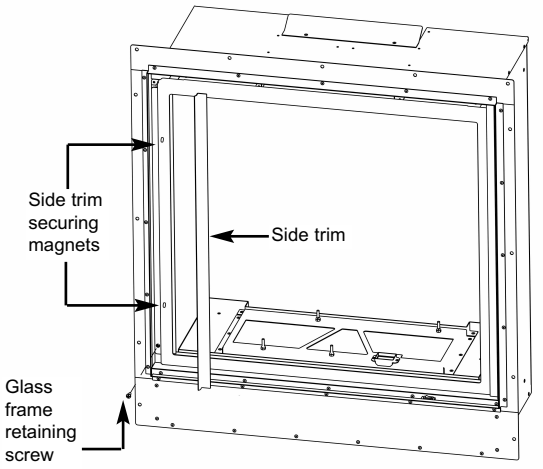
When installing into 125mm (5 inch) diameter lined brick or stone flue, or insulated pre-fabricated metal flue box to B.S. 715, the restrictor baffle must not be fitted.

A spillage test must always be carried out to check satisfactory clearance of flue products, regardless of the type of flue the appliance is being fitted to.

It is recommended that the fire is installed and commissioned including a spillage test before fitting the fire surround, this will therefore allow fitment / removal of the restrictor baffle on the fire if necessary.

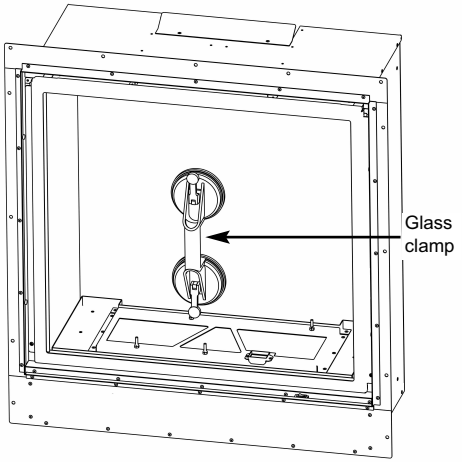
2.2.1 Remove both the side trims which are held in place by the magnets then remove the glass frame securing screws as below in figure 4

Fig. 4



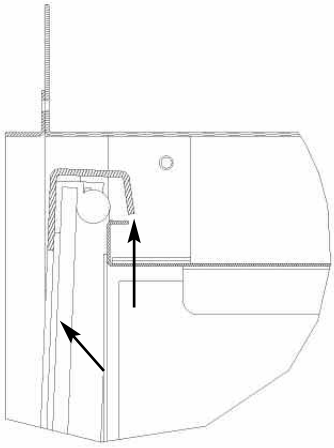
2.2.2 Secure the glass clamp to the glass panel as shown below in figure 5, to remove the glass panel lift vertically then pull forwards. See figure 6 overpage which shows how the glass frame is located on the top of the combustion chamber.

Fig. 5



2.2.3 Unhook the glass panel from the top retaining channel by lifting upwards then tilt the bottom edge of the glass assembly towards you as shown below in figure 6 (sectional view shown through product for clarity)

Fig. 6



2.2.4 Remove the glass frame assembly by drawing it forwards from the combustion chamber.

2.2.5 Store the glass frame assembly in a safe place.

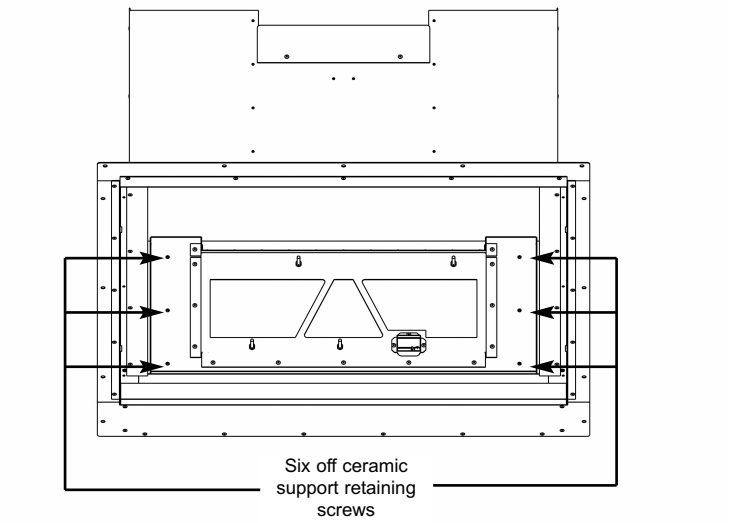
2.2.6 Re-assemble in reverse order when re-fitting the glass assembly.

Ensure that the glass assembly is correctly located on the top flange of the combustion chamber, this can be achieved by putting your hand onto the top edge of the glass frame inside the convection air aperture and pushing down firmly to check the glass frame is correctly located.

DO NOT OPERATE THE FIRE WITHOUT THE GLASS FRAME ASSEMBLY IN POSITION OR NOT CORRECTLY LOCATED.

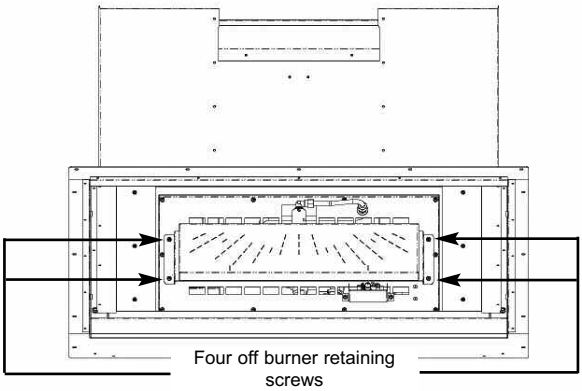
2.2.7 Remove the burner. To allow burner removal, the ceramic support panel must be removed to allow access to the burner fixings. Remove the 6 off ceramic support retaining screws as shown below in figure 7.

Fig. 7



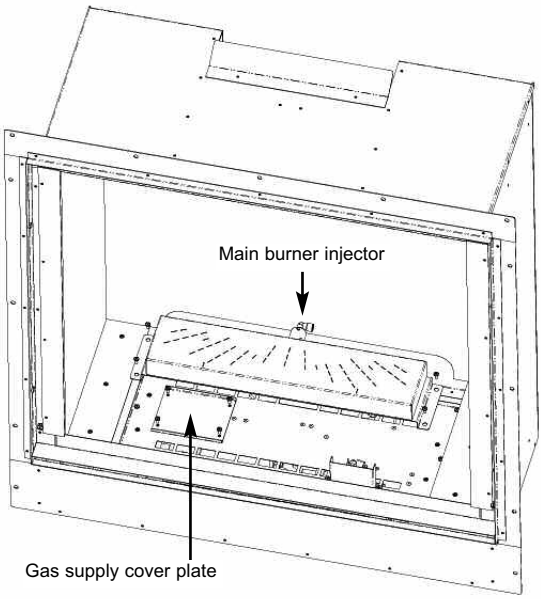
2.2.8 Remove the 4 off screws that hold the burner in position, see figure 8 below.

Fig. 8



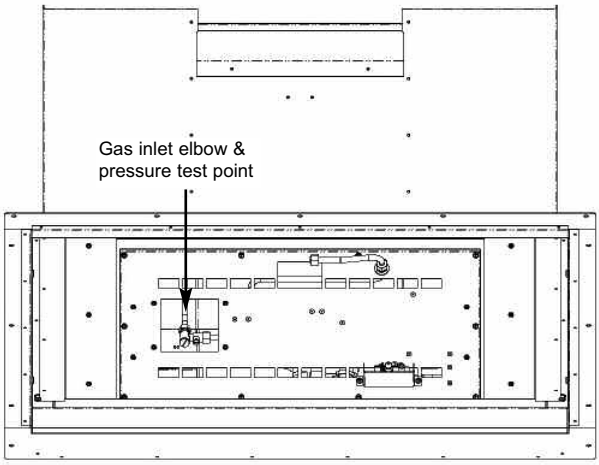
2.2.9 Disconnect the main burner injector supply pipe, the burner can then be lifted clear as shown below in figure 9.

Fig. 9



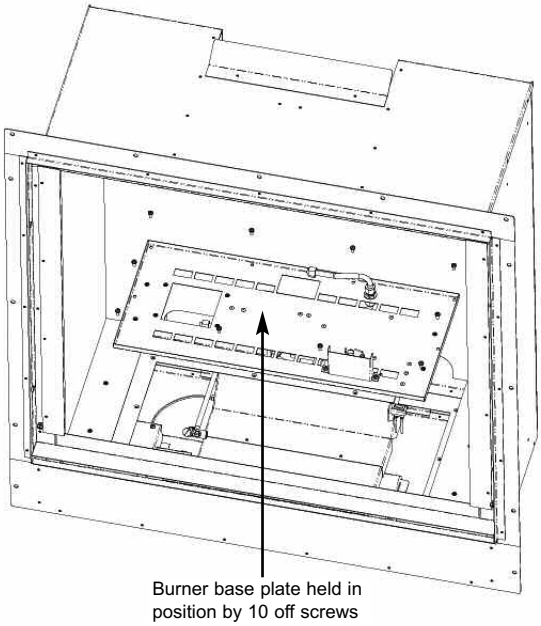
2.2.10 As shown in figure 9 above the gas supply cover plate should be removed, allowing access to the gas inlet valve and pressure test point as shown below in figure 10.

Fig. 10



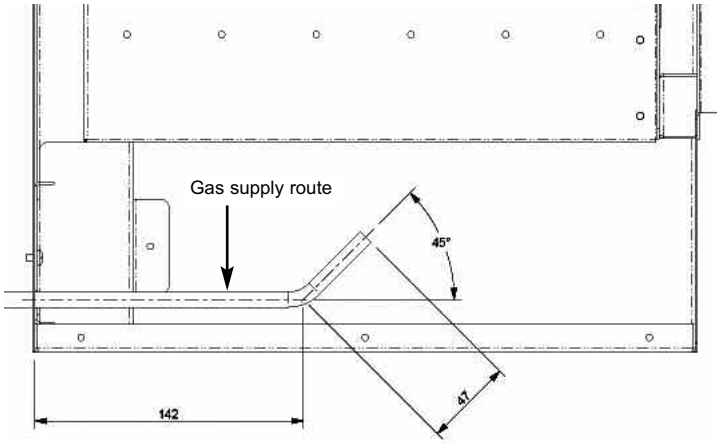
2.2.11 The burner base plate can now be removed by removing the ten screws and lifting clear as shown below in figure 11. Unplug the wire from the receiver on the underside of the burner base plate taking care not to damage the wire.

Fig. 11



2.2.12 The gas supply can be routed into the fire on the left hand side, see figure 12 below for dimensional information regarding position and route of gas supply pipe.

Fig.12



2.2.13 Store the removed burner components unit in a safe position.

2.2.14 The gas connection to the appliance should be made to the isolating / inlet elbow using 8mm rigid tubing. There must be no soldered joints within the firebox.

2.2.15 Carefully lift the fire box into the fire opening, then slide it back into position. Check that the fire box flange fits flush to the sealing face of the fire surround or wall with no gaps present.

Note : Before breaking into the gas supply a pressure drop test should be carried out to establish that the existing pipework is sound.

2.2.16 Carefully withdraw the fire box from the opening to enable the gas supply and fire fixing to be completed.

There is a choice of methods of fixing the firebox which are provided to enable the installer to deal with any type of installation.

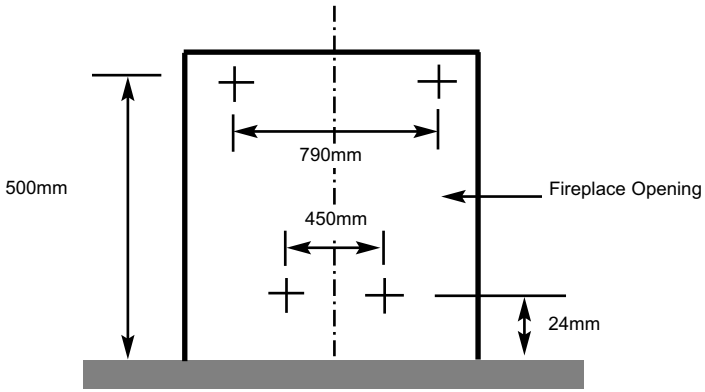
The preferred method of fixing which is suitable for almost all situations is the cable fixing method which is described in the following section in detail.

The fire may be secured using the cable method as described below, or alternatively, in installations where the cable method is not suitable (eg. loose masonary in rear of fire opening) the fire box can be directly secured to the fire surround using screw fixings (not provided).

To fit using the **preferred** cable method proceed as follows-

2.2.17 Mark out and drill 4 off No 14 (7mm) holes in the back face of the fire opening in the positions shown below in figure 13.

Fig. 13



2.2.18 Uncoil the two fire fixing cables and thread one end of each of the cables through one of the two holes on each side of the rear location holes on the firebox (see figure 14 on page 17 for details of these holes - detail “A”)

2.2.19 Position the fire carefully on the (protected) surface of the hearth and reach into the fire opening. Thread each of the cables vertically downwards through the pair of fixing eyes on the same side of the fire. Thread the free end of the cables through the corresponding circular hole on each side of the lower rear of the fire. Carefully slide the fire box back into the fire opening and pull both cables tight.

2.2.20 Thread a tensioning screw over each of the cables and ensure that the tensioning nut is screwed fully up against the hexagon shoulder of the tensioning screw (this provides maximum travel for the tensioning nut).

2.2.21 Fit a screwed nipple on to each of the cables and pull hand tight up against the tensioning screw, then secure each nipple with a flat bladed screwdriver.

2.2.22 Evenly tighten the tensioning nuts to tension both cables and pull the fire snugly against the wall. Do not overtighten, it is only necessary to pull the seal up against the sealing face of the wall, it does not need to be compressed. Check that there are no gaps behind the seal.

2.2.23 With the fire securely in place, if a concealed gas connection has been made through either of the access holes in the sides or rear of the fire, the holes should be closed around the pipe to prevent leakage of air through the gap around the pipe.

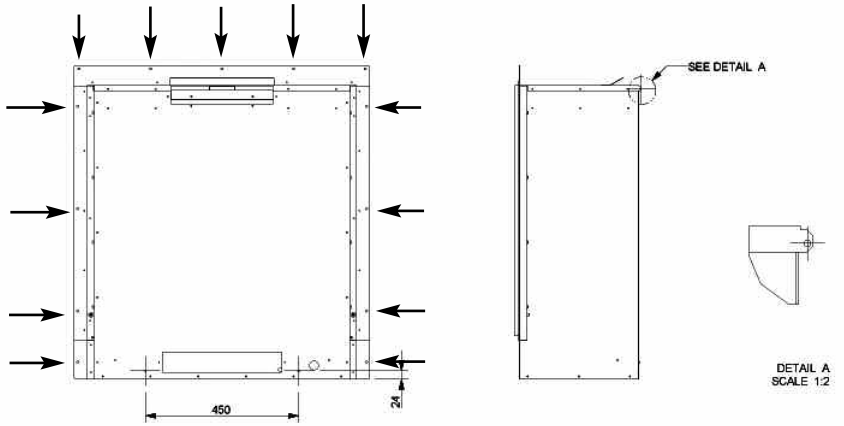
2.2.24 Refit the burner in reverse order to which it was removed.

2.2.25 Before making the final gas connection, thoroughly purge the gas supply pipework to remove all foreign matter, otherwise serious damage may be caused to the gas control valve on the fire.

The other firebox fixing method is as follows :-

2.2.26 In installations where the cable method is not suitable (e.g. loose masonary in rear of fire opening) the firebox can be secured to the opening using four screws and wall plugs (not provided). Below (figure 14) is a diagram to indicate the hole centre positions available on the firebox to facilitate the screw fixing to the fireplace / surround.

Fig. 14



2.3 MAKING THE ELECTRICAL CONNECTION.

WARNING : THIS APPLIANCE MUST BE EARTHED AND SHOULD BE PREFERABLY CONNECTED VIA A 3 AMP SWITCHED FIXED FUSED SPUR WITH A MINIMUM CONTACT SEPARATION OF 3MM.
IT MAY HOWEVER BE CONNECTED TO A 3 PIN PLUG TO BS 5733, THAT IS FITTED WITH A 3 AMP FUSE TO BS 1362.

2.3.1 The product is supplied with a mains cable and 3 pin plug fitted. The mains cable will exit the combustion chamber from the rear left hand side (viewed from the front), through the grommet. If the supply cord is damaged, it must be replaced by the manufacturer, it's service agent or similarly qualified persons in order to avoid a hazard.

2.3.2 Plug the mains cable supplied into a suitable socket in close proximity to the appliance or remove the plug and wire into a 3 amp switched fixed fused spur.

2.4 GAS TIGHTNESS AND INLET PRESSURE

2.4.1 Remove the pressure test point screw from the inlet elbow and fit a manometer.

2.4.2 Turn on the main gas supply and carry out a gas tightness test.

2.4.3 See section 3.2 for full details of the operating method for the fire.

2.4.4 Check that the gas pressure is **20.0 mbar (+/- 1.0mbar) 8.0 in w.g.(+/- 0.4 in w.g.)**

2.4.5 Turn off the fire, remove the manometer and refit the pressure test point screw. Check the pressure test point screw for gas tightness with the appliance turned on using a suitable leak detection fluid or detector.

PLEASE NOTE - THE WORKING PRESSURE TEST ON THIS PRODUCT NEEDS TO BE COMPLETED BEFORE THE FUEL-BED IS FITTED.

2.5 INSTALLING THE SOPHIA SURROUND

2.5.1 Unpack the surround from the wooden crate, check all parts are present as per figure 15 overpage and carefully store the components.

2.5.2 The underside of the hearth should be painted with a weak PVA (8 parts water to 1 part PVA). This will prevent staining penetrating through the stone. The hearth must be centered to the opening. If the fireplace is to be installed on a chimney breast ensure that the opening is also centered to the chimney breast. It is essential that the hearth is completely level. The hearth must be bedded down on bonding or an equivalent material. Avoid cement based products and ensure the hearth is firmly fitted and well supported. Allow the bedding material to set before any weight is placed onto the hearth. Wipe off any surplus bonding material with a wet sponge.

2.5.3 Fit bottom section to hearth, ensure it is central before fixing with a suitable mastic adhesive.

2.5.4 Screw the fixing brackets firmly into the threaded blocks on the legs with the screws provided.
Assess the chimney breast onto which the fire is to be installed and ensure that it is of sound construction and suitable for supporting the weight of the surround. Fixings used to secure the leg brackets to the masonry of the chimney breast shall be of expansive stainless steel or galvanised steel type masonary fixings for dense concrete blockwork or brickwork. Where fixings are located into light weight blockwork or friable aggregrate blocks, the fixings shall be of the resin anchor type.

2.5.5 Screw fixing brackets into the threaded blocks on shelf infill with screws provided.

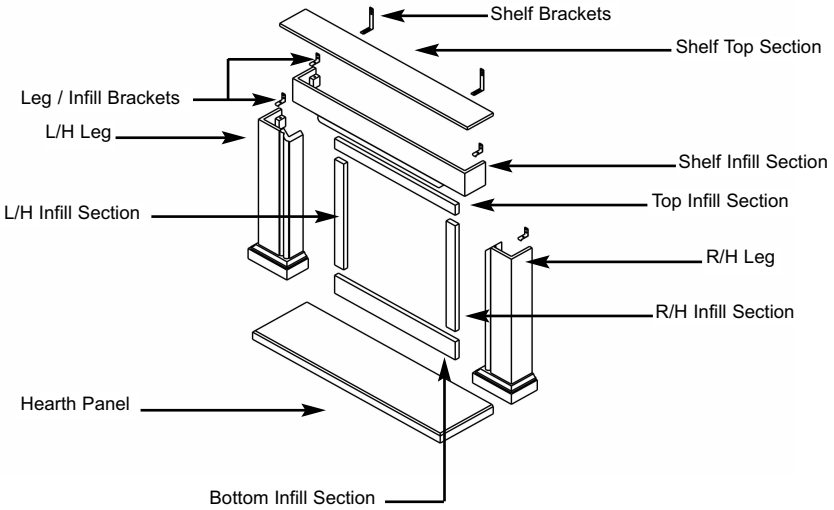
2.5.6 Place the side infills and legs in position using the shelf infill to gauge the correct width. Mark the fixing hole positions on the wall, firstly the shelf infill then remove and mark the legs remove the legs and side infills, cover the hearth with a dust sheet then drill the fixing holes and fit the fixings as per above. Fix the side infills into place with suitable adhesive and replace the legs, securing to the wall with the fixing brackets.

2.5.7 Fix the top infill and shelf infill into place again with fixings and suitable mastic adhesive.

2.5.8 Fit shelf into place ensuring it is correctly centered, screw brackets to shelf. Mark / drill and fix to the wall with larger shelf brackets before sealing with adhesive. Shelf brackets can be recessed if required.

2.5.9 Once the fireplace is correctly installed, grout all of the joints including between the fireplace and the wall with a water based cream mastic or tile grout. Ensure all surplus grout is immediately removed by washing the stonework using a sponge and clean water.

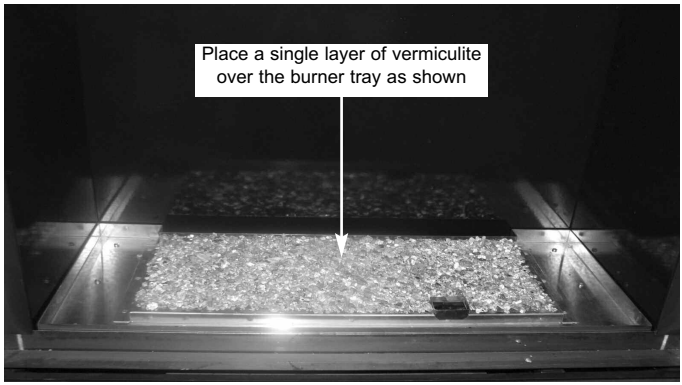
Fig. 15



3.1 FITTING THE FUEL-BED LOGSET

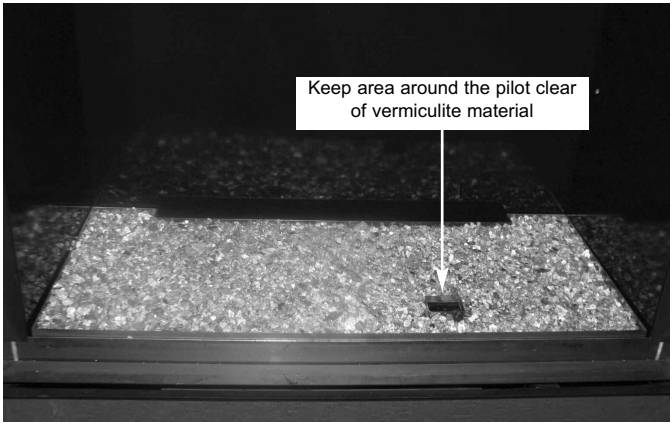
3.1.1 Place a single, even layer of vermiculite onto the burner area as shown below in figure 15.

Fig. 15



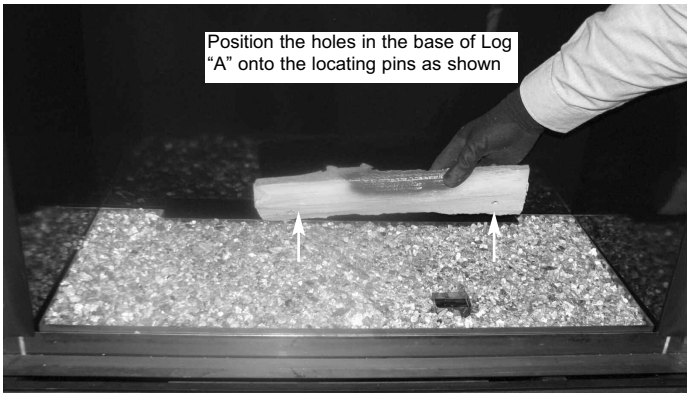
3.1.2 Fill the edge around the rest of the burner tray with vermiculite as shown below in figure 16, ensure the pilot aperture is kept clear of vermiculite material.

Fig. 16



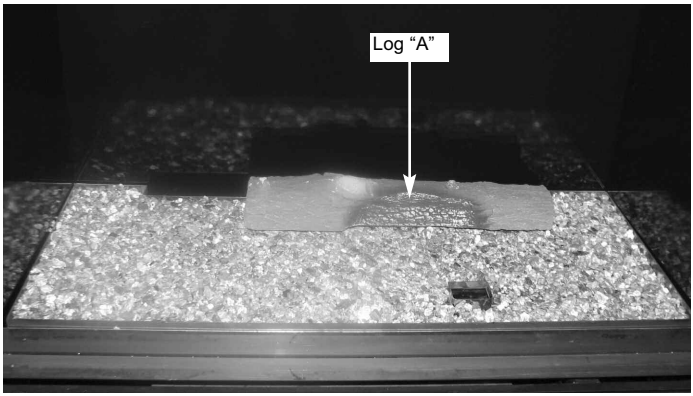
3.1.3 Position the holes in the bottom face of Log “A” at the back of the fuel-bed tray on the right hand side onto the locating pins in the fuel-bed tray as shown below in figure 17.

Fig. 17



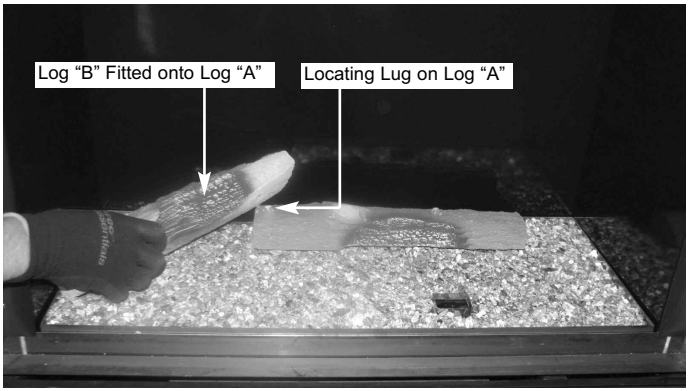
3.1.4 Figure 18 below shows Log “A” correctly positioned on the fuel-bed base tray.

Fig. 18



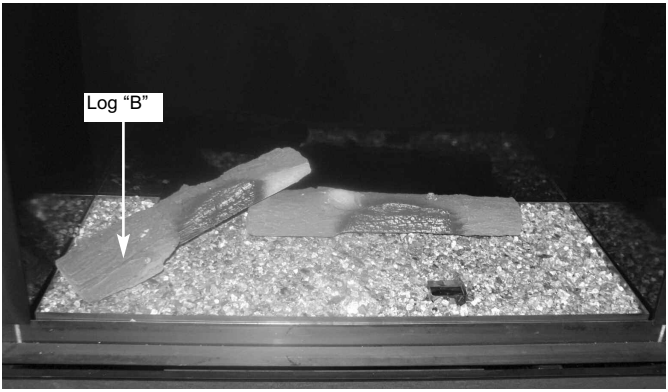
3.1.5 Fit Log “B” into position, using the locating lug that fits into left hand end of Log “A” as shown below in figure 19.

Fig. 19



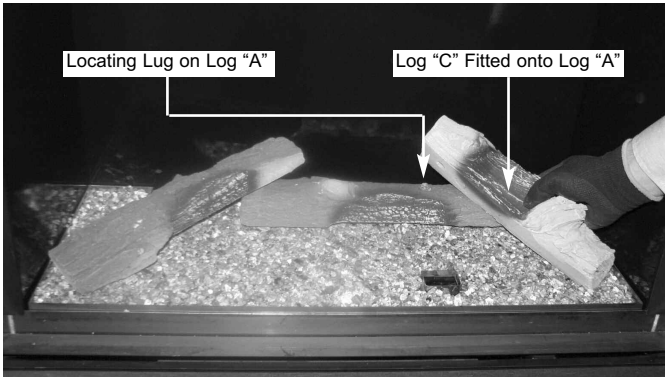
3.1.6 Figure 20 below shows Log “B” correctly located on Log “A”.

Fig. 20



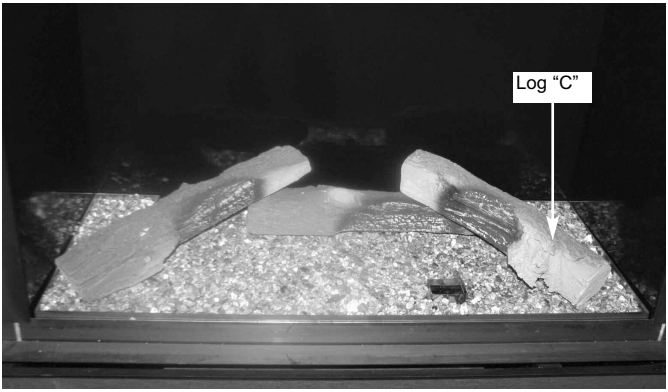
3.1.7 Fit Log “C” into position using locating lug that fits onto right hand end of Log “A”as shown below in figure 21.

Fig. 21



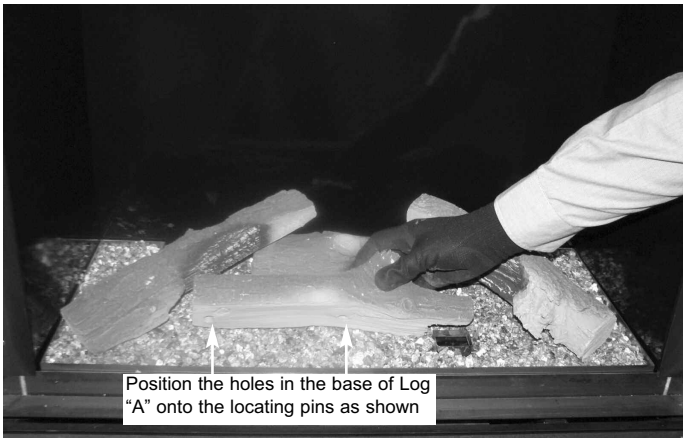
3.1.8 Figure 22 below shows Log “C” correctly located on Log “A”.

Fig. 22



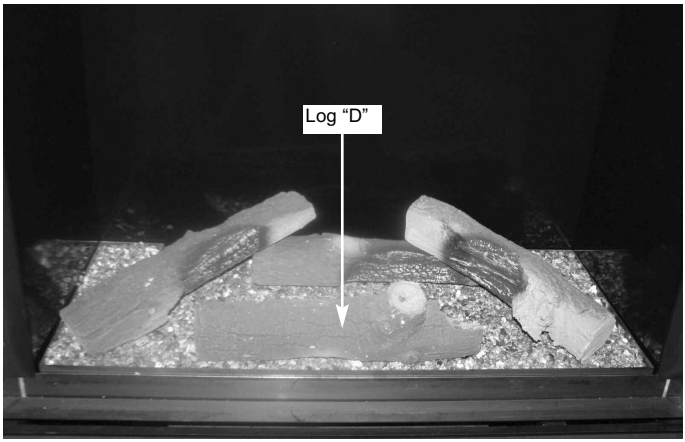
3.1.9 Fit Log “D” into position at the front centre of the fuel-bed as shown below in figure 23, using the locating pins in the fuel-bed tray as a guide for placement.

Fig. 23



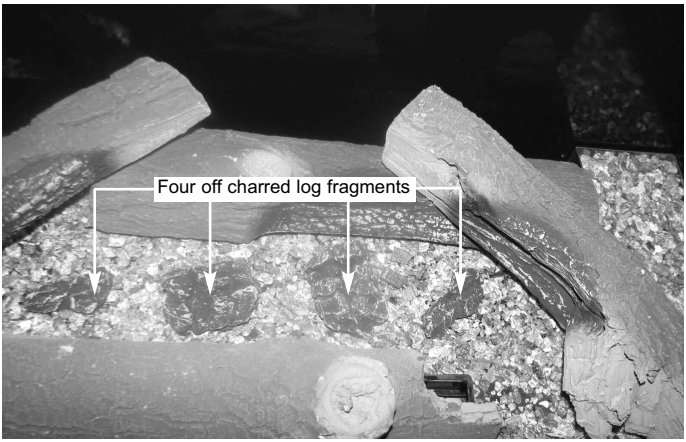
3.1.10 Figure 22 below shows Log “D” correctly located on the fuel-bed base tray.

Fig. 24



3.1.11 Position the four off (two off large, two off small) remaining charred log fragments randomly in the centre of Logs “A” to “D” as shown below in figure 25.

Fig. 25



Warning : Use only the logs supplied with the fire. When replacing the logs remove the old logs and discard them. Fit a complete set of logs of the correct type. Do not fit additional logs or any logs other than a genuine replacement set.

This appliance does not contain any component manufactured from asbestos or asbestos related products.

3.2 LIGHTING THE APPLIANCE

IMPORTANT : IF THE BURNER IS EXTINGUISHED FOR ANY REASON YOU MUST ENSURE THAT YOU WAIT A FULL FIVE MINUTES BEFORE ATTEMPTING TO RE-LIGHT THE FIRE.

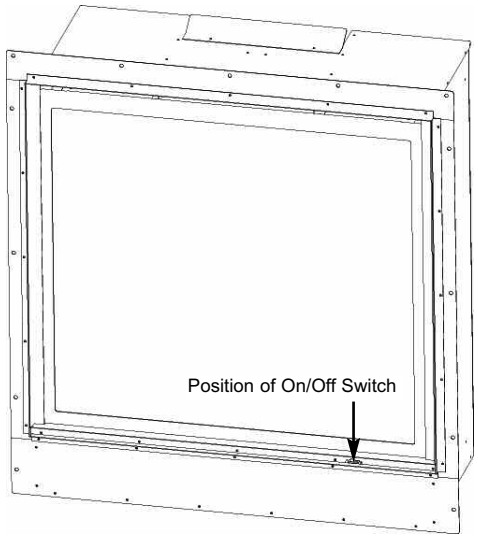
The product is controlled by the remote handset supplied with the fire. Ensure the 9V battery as supplied in the loose items pack has been fitted to the remote handset before attempting to use the handset and the mains electrical connection has been made to the product as per section 3.6.

There are four modes of operation of the product, “MANUAL mode”, “TEMPERATURE mode”, “TIMER mode”, and “CIRCULATING FAN” mode.

3.2.1 Operation of the Fire in “MANUAL” mode

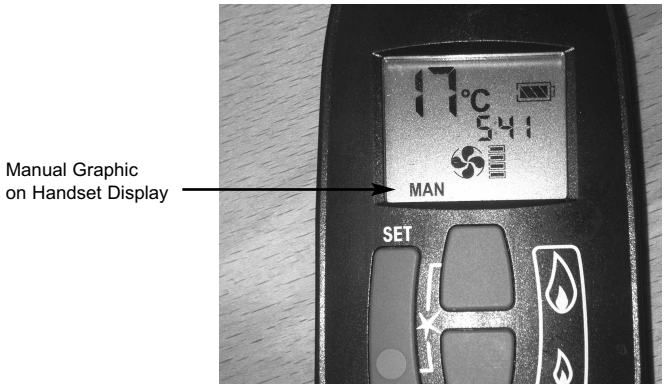
3.2.1.1 Locate the ON/OFF switch on the appliance, it is situated in the slot as shown below in figure 26. Ensure that the on / off switch on the valve is in the “ON” (1) position as shown below in figure 26.

Fig. 26



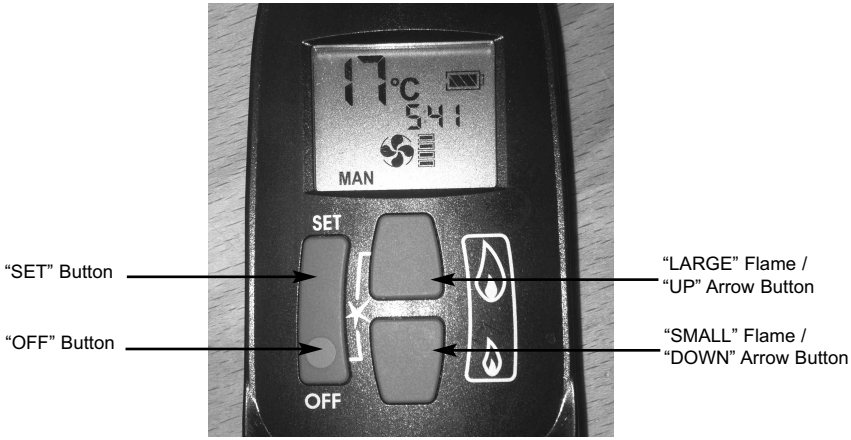
3.2.1.2 The remote handset is now used to control all functions of the fire. To light the fire, press the “UP” arrow and and “OFF” button simultateously as shown on figure 55 below. You will hear a click and the fire begins a 30 second ignition process. The pilot and main burner will light. The appliance is now in “MANUAL mode” which will be shown via the “MAN” graphic on the display of the handset as shown below in figure 27.

Fig. 27



3.2.1.3 With the product in “MANUAL” mode the fire can now be switched between HIGH rate heat input and LOW rate heat input by pressing the “DOWN” arrow on the handset. To reduce the flame height of the main burner incrementally, press the arrow momentarily. To reduce the heat input directly down to the minimum level, press the “SMALL” flame arrow on the handset twice, “LO” will be displayed. NOTE : The flame will go to HIGH rate heat input before going to designated LOW rate heat input. To return back to HIGH rate heat input press the “LARGE” flame button twice. To put the fire in In “STANDBY MODE” (only the pilot remains lit) press and hold the “SMALL” flame arrow on the handset. See figure 28 below.

Fig. 28



3.2.1.4 To turn the fire off, press the “OFF” button, this will extinguish all flames including the pilot.

3.2.2 Operation of the Fire in “TEMPERATURE” mode

3.2.2.1 In order to change the mode of operation from “MANUAL” to “TEMPERATURE”, press the “SET” button, the fire will then change to either “DAY TEMP” (figure 29) mode or “NIGHT TEMP” mode (figure 30). To alternate between the 2, press the “SET” button. **The display on the handset will show the current temperature in the room.**

“DAY TEMP” Mode

“NIGHT TEMP” Mode

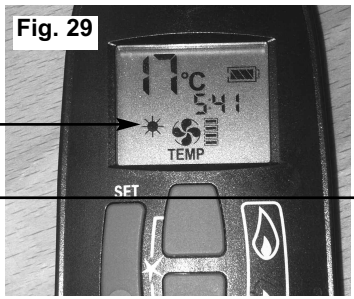


Fig. 29

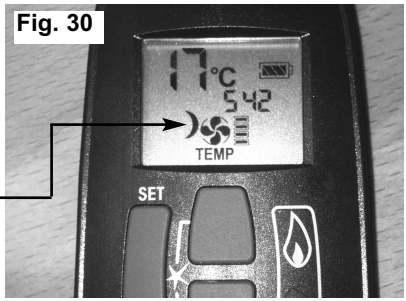


Fig. 30

NOTE : The “SET” button allows you to alternate between all modes of operation :- “ MANUAL”, “DAY TEMP”, “NIGHT TEMP”, “TIMER”, “LIGHT / DIMMER” and “CIRCULATING FAN” then back to “MANUAL”. Alternatively, pressing either the “UP” or “DOWN” arrow allows the unit t to revert to “MANUAL” mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

3.2.2.2 Within the “TEMPERATURE” mode there are options for either “DAY TEMP” or “NIGHT TEMP”. These temperatures can be set independently to allow a higher temperature to be maintained at night than during the day, or if setting the same temperature for day and night the fire will compensate for the generally cooler evening temperatures and automatically increase the heat input level accordingly.

3.2.2.3 To set the temperature, ensure the handset is in “TEMPERATURE” mode and then press the “SET” button until the “TEMP” display flashes then let go. Proceed to set the desired temperature by pressing the “UP” (large flame) or “DOWN” (small flame) arrows as necessary, then press “OFF” to complete the process.
NOTE : Minimum temperature is 5^{O}C, Maximum temperature is 30^{O}C, or minimum 41F to maximum 86F when in Fahrenheit mode.

3.2.2.4 Press the “OFF” button to stop the display flashing or wait to return to “TEMPERATURE” mode. NOTE : If you set a temperature below the current room temperature the fire will switch to standby mode (pilot

burner only) until the room has cooled to the temperature you have set on the handset display.

3.2.2.5 If you would like the “NIGHT TEMP” to turn the fire off then decrease the temperature until [----] is displayed.

3.2.3 Operation of the Fire in “TIMER” mode

3.2.3.1 In order to change the mode of operation from “MANUAL” to “TIMER”, press the “SET” button, the fire will then alternate between the settings until the “TIMER” mode is displayed.

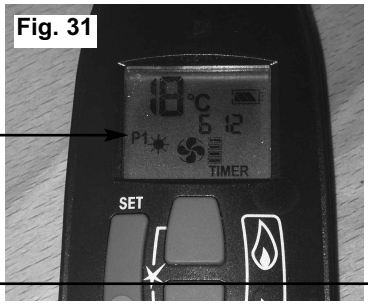
NOTE : The “SET” button allows you to alternate between all modes of operation :- “ MANUAL”, “DAY TEMP”, “NIGHT TEMP”, “TIMER” and back to “MANUAL”. Alternatively, pressing either the “UP” or “DOWN” arrow allows the unit to revert to “MANUAL” mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

3.2.3.2 Within the “TIMER” setting mode there are two programmable settings you can make over a 24 hour period, namely P1 and P2. To set the timer, ensure the handset is in “TIMER” mode as detailed in section 3.7.3.1 above.

3.2.3.3 To set the P1 timed start setting, press and hold the “SET” button until the P1 (sun symbol is displayed as per figure 31 below) and the time flashes. Set the hour by pressing the “UP” (large flame) and set the minutes (in ten minute increments) by pressing the “DOWN” (small flame) as necessary, then press “OFF” button to complete the process. Repeat for the P1 (moon symbol is displayed as per figure below) Set the hour by pressing the “UP” (large flame) and set the minutes (in ten minute increments) by pressing the “DOWN” (small flame) as necessary, then press “OFF” button to complete the process.

P1 with “Sun” symbol illuminated

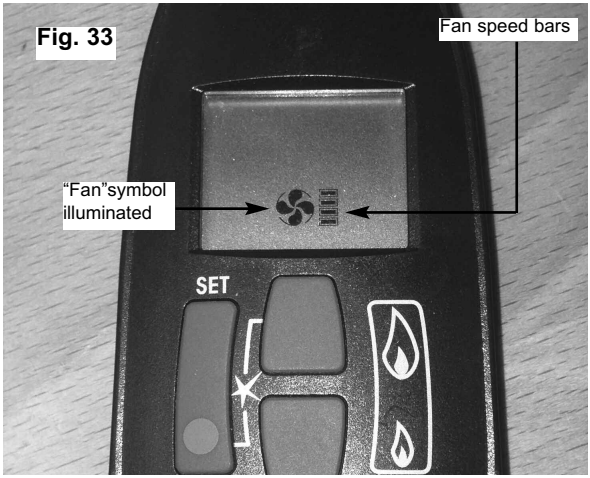
P1 with “Moon” symbol illuminated

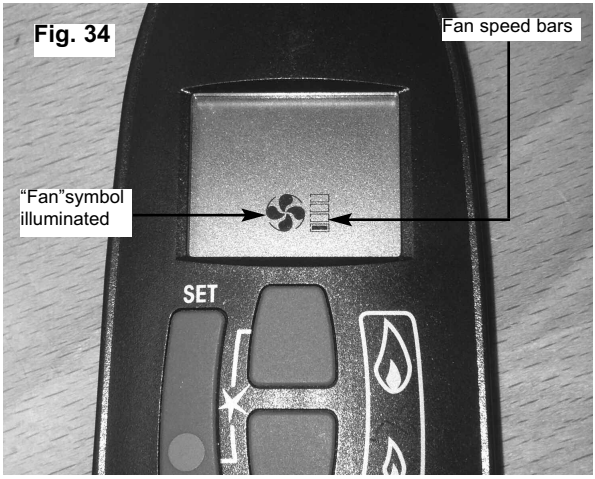


3.2.3.4 To set the P2 timed setting, press the “SET” button until the “TIMER” mode is displayed. Hold the “SET” button until the display flashes the current time for P1. Press the “SET” button again to scroll past the setting for P1 (sun) and P1 (moon). The time should now be flashing on the handset. Set the hour by pressing the “UP” (large flame) and set the minutes (in ten minute increments) by pressing the “DOWN” (small flame) as necessary, then press “OFF” button to complete the process.

3.2.4 Operation of the Fire in “CIRCULATING FAN” mode

3.2.4.1 In order to change the mode of operation from “MANUAL” to “CIRCULATING FAN”, briefly press the “SET” button to scroll through to the circulating fan mode as shown below in figure 33 / 34, both fan and level icons will flash.





3.2.4.2 Press and hold the “LARGE” flame button to turn on the fan and increase fan speed.

3.2.4.3 Press and hold the “SMALL” flame button to decrease the fan speed, see figure 33 / 34 for fan speed bar indicator (4 bars illuminated = maximum fan speed, 1 bar illuminated = minimum fan speed).

3.2.4.4 To turn the fan off press and hold the “SMALL” flame button until all 4 speed level bars disappear.

NOTE : 8 seconds after the light/dimmer has been set, the handset will automatically go into manual mode. The fan starts 4 minutes after the gas supply opens (from OFF or from pilot) at maximum speed and goes to the displayed level after 10 seconds. The fan stops 10 minutes after the gas is off or a pilot only (standby mode).
IT IS RECOMMENDED FOR MOST EFFICIENT PERFORMANCE OF THE PRODUCT THE FAN MODE IS SET TO THE MAXIMUM (ALL FOUR SPEED BARS) POSITION.

3.2.5 Low Battery Signal

3.2.5.1 When the battery in the handset needs replacing, “BATT” will be dis played on the handset.

3.2.5.2 Remove the cover on the rear of the handset and replace the 9V battery as necessary.

3.2.6 To Set the Time on the Remote Handset

3.2.6.1 Simultanelously press the “UP” (large flame) arrow and “DOWN” (small flame) arrow buttons on the remote handset.

3.2.6.2 Press the “UP” (large flame) arrow to set the hour and the “DOWN” (small flame) arrow to set the minutes.

3.2.7 To Set the ^{O}C / 24 Hour or ^{O}F / 12 Hour Clock

3.2.7.1 Press and hold the “OFF” and the “DOWN” (small flame) arrow buttons on the handset simultaneously until the display changes from ^{O}C to ^{O}F and vice versa.

3.3 FITTING THE HANDSET WALL BRACKET

3.3.1 The wall bracket is supplied in the loose items pack and is optional to fit.

3.3.2 If fitting the wall bracket, **please be advised that the thermostatic sensor is contained within the handset itself, so the position of the wall bracket will therefore be the position of temperature measurement within the room.** To fit, position as necessary, mark hole positions, drill and secure with fixings provided.

3.4 INSTRUCTING THE USER / PRODUCT HANDOVER

3.4.1 Instruct the user on the operation of the fire and the handset.

3.4.2 Hand the glass clamp over and advise the customer to store it in a safe place.

3.5 CHECKING FOR CLEARANCE OF COMBUSTION PRODUCTS

3.5.1 Close all doors and windows in the room.

3.5.2 Light the fire and allow to run for approximately 5 minutes on high position.

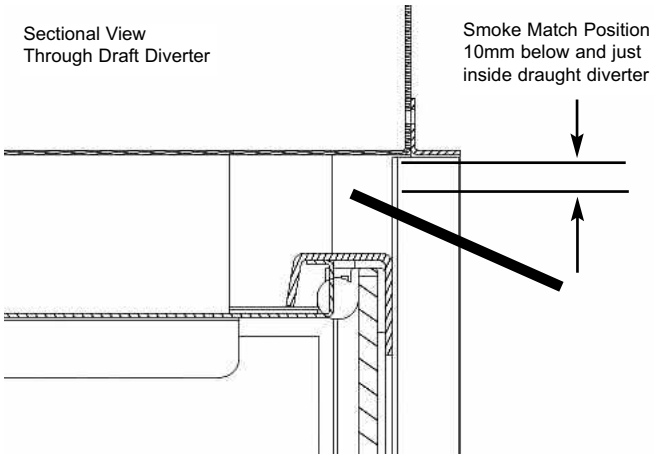
3.5.3 After approximately 5 minutes hold a smoke match just 10mm inside and below the centre of the lower front edge of the top of the fire, as shown below in figure 35 (It is recommended that a suitable smoke match holder is used when checking for clearance of combustion products). All smoke generated should be drawn back into the flue. If slight spillage occurs or if in doubt, repeat the test after a further 5-10 minutes. **If the test indicates that spillage is occurring and the flue restrictor baffle has been fitted, it should be removed as shown in section 3.6 and the test repeated after the fire has cooled.**

3.5.4 If spillage persists, the flue is not functioning correctly and a fault exists. If, after investigation the fault cannot be traced and rectified, the fire must be disconnected from the gas supply and expert advice obtained.

3.5.5 If there is an extractor fan fitted any where in the vicinity of the appliance, or in adjacent rooms the spillage test should be repeated with the fan running on maximum and all interconnecting doors open.

3.5.6 After ensuring that the fire is safe to use it should be left on high position to fully warm up. During this time a slight odour may be noticed, this is due to the “newness” of the fire and will soon disappear.

Fig. 35

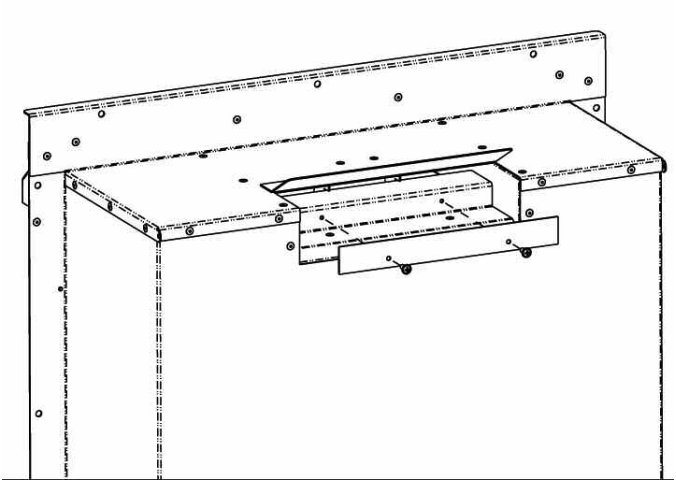


3.6 FITTING THE FLUE RESTRICTOR BAFFLE

3.6.1 The restrictor baffle as supplied in the loose items pack is secured with 2 off screws to the spigot area of the fire.

3.6.2 Fit / remove as necessary from the fire as shown below in figure 36.

Fig. 36



3.6.3 Check the clearance of combustion products after fitting the restrictor plate as shown in section 3.5

SECTION 4
MAINTENANCE

Servicing Notes

Servicing should be carried out annually by a competent person such as a GAS SAFE registered engineer. **This is a condition of the guarantee scheme.** The service should include visually checking the chimney and fire opening for accumulations of debris and a smoke test to check for a positive up-draught in the chimney. To access the debris collection void a removeable plate is positioned on the rear face of the firebox box behind the burner. The oxypilot on the burner unit must also be changed as a condition of the guarantee. The condition of the fuel-bed should be checked and **if necessary the whole item should be replaced with a genuine replacement item.** The burner assembly is designed to be removed as a complete unit for ease of access. **After any servicing work a gas tightness check must always be carried out.**

BEFORE ANY SERVICING WORK IS CARRIED OUT ENSURE THE PRODUCT HAS BEEN DISCONNECTED FROM THE ELECTRICITY SUPPLY. ALL ELECTRICAL REPAIR WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.

For Diagrams refer to Section 2

4.1 Removing the burner assembly from the fire.

4.1.1 Prepare work area (lay down dust sheets etc.)

4.1.2 Remove the glass assembly, remove the ceramic logs.

4.1.3 Unscrew and remove the six off screws which retain the ceramic support plate to the base, then lift clear. Remove the four off screws which hold the burner in position & then disconnect the main burner injector pipe, then remove the burner assembly from the fire. Remove ten screws and lift the burner base plate clear (unplug cable from receiver unit). Isolate the gas supply and remove the supply pipe from the appliance inlet elbow.

4.1.4 To refit the burner assembly, locate the burner unit and refit the four off screws. Refit the ceramic support plate and six off screws. Refit the gas supply pipe and carry out a gas tightness test. Refit the fuel-bed referring to section 3 for the correct log positions. Re-fit the glass frame assembly.

4.2 Removing the Gas Control Valve

4.2.1 Remove the burner assembly as detailed in section 4.1

4.2.2 Remove the thermocouple retaing nut from the valve, remove the main pipe, inlet pipe, pilot pipe and thermocouple interupter / wires from the valve.

4.2.3 Remove the valve retaining screws and remove the valve. Re-assemble in reverse order and carry out a gas tightness test.

4.3 Removing the Pilot Assembly.

Note : Because this appliance is fitted with an atmosphere sensing 'Oxy-Pilot' it is not possible to replace the thermocouple separately, because the thermocouple position is factory set to a tight tolerance. Any replacement of parts on the pilot requires a complete new pilot assembly.

4.3.1 Prepare work area (lay down dust sheets etc.)

4.3.2 Remove the glass frame assembly as shown in section 2.2 and put it in a safe location. Remove the burner assembly as detailed in section 4.1

4.3.3 Loosen the pilot nut and remove the two screws retaining the pilot assembly. Unscrew the thermocouple from the gas valve.

4.3.4 Re-assemble in reverse order and carry out a gas tightness test.

4.4 Replacing the Radio Frequency Receiver.

4.4.1 Prepare work area (lay down dust sheets etc.)

4.4.2 The RF receiver is located on the burner unit. Remove the RF receiver (located in a slide in bracket), disconnect the wiring looms. Re-assemble in reverse order.

4.4.3 Replace in reverse order and check correct operation of the appliance.

4.4.4 A new receiver will require coding to the handset, to do this, press and hold the "reset" button until you hear 2 beeps, the 1st beep is short, the second beep is long. After the second beep, release the reset button. Within the next 20 seconds press the small flame button the handset until you hear 2 additional short beeps that confirm the code is set.

Note : The handset uses one LR61 (9v) and should be replaced by removing the cover on the rear of the handset.

4.5 Removing the convection fan.

4.5.1 Remove the burner from the combustion chamber as described in section 4.1.

4.5.2 Ensure that the electrical supply to the fire is isolated.

4.5.3 Disconnect the wiring to the motor on the convection fan, remove the two screws holding rear fan duct and remove the fan duct.

4.5.4 Remove the retaining nuts that hold the convection fan assembly to the base of the combustion chamber.

4.5.5 Lift the convection fan assembly clear of the studs and move to the right to gain access to the electrical connections. Remove electrical cover and disconnect mains cable. The fan assembly can now be lifted clear, the fan is removed from the plate by firstly removing the fan cover, disconnect the fan wiring and remove four screws under plate to lift fan away from the plate.

4.5.6 Re-assemble in reverse order.

4.6 Replacing the Batteries in the Handset.

4.6.1 Remove and re-fit the new 9V battery by removing the cover on the back of the handset.

4.7 Checking for Flue Debris.

4.7.1 Remove the burner assembly as detailed in section 4.1

4.7.2 Locate the removeable backplate on the rear face of the firebox at the bottom.

4.7.3 Remove the 2 screws that hold the removeable backplate on the rear face of the firebox.

4.7.4 Remove any debris.

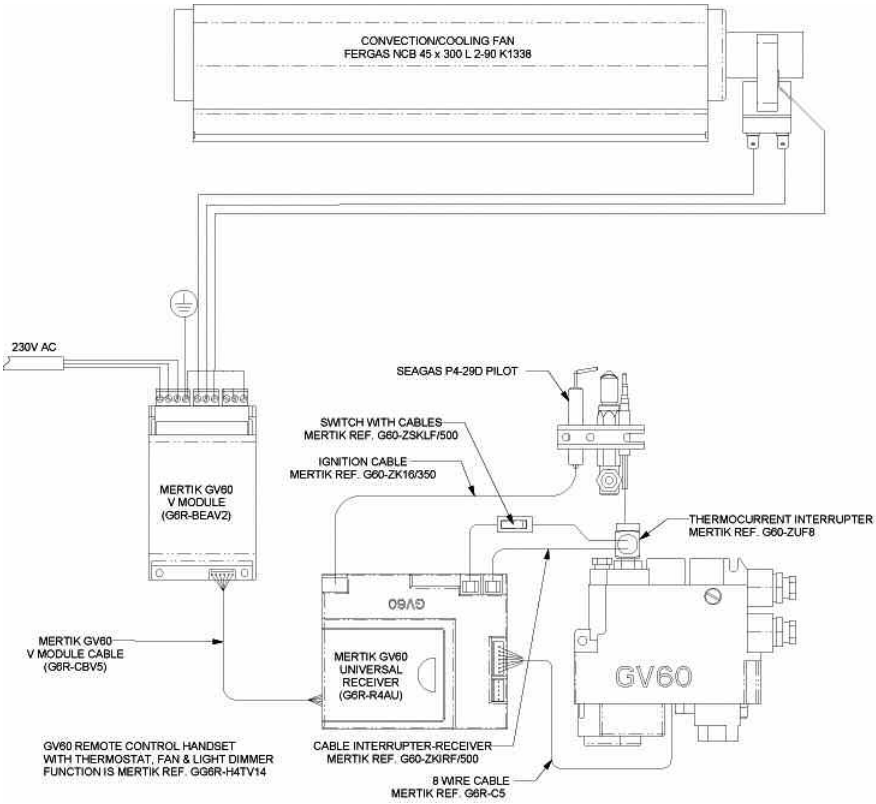
4.7.5 Replace the removeable backplate on the rear face of the firebox.

4.7.6 Re-assemble in reverse order and carry out a gas tightness test.

4.8 Wiring Diagram

Fig. 37

IMPORTANT : ALL ELECTRICAL WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.



4.9 SPARE PARTS LIST

B-92200	GV60 Gas control valve
B-93300	GV60 Thermocouple Interrupter
B-153140	GV60 Receiver unit
B-153160	GV60 Control module
B-159270	GV60 Remote control thermostatic handset
B-153720	GV60 8 wire cable
B-161980	GV60 V module control cable
CV-104931	GV60 On/off switch with cables
CV-104934	Ignition cable
B-128100	NG ODS pilot assy
B-172660	Main burner injector Cat 82 size 480
CV-7052-34	Injector carriage gasket
B-153080	2 metre mains cable
B-128120	Convection fan
B-152930	Wiring loom - GV60 control module to convection fan
B-186440	Glass panel
B-1000658	Complete log set
B-1000652	Log “A” only
B-1000656	Log “B” only
B-1000657	Log “C” only
B-1000654	Log “D” only
B-1000661	Pair of Small Log Fragments (Charred)
B-1000662	Pair of Large Log Fragments (Charred)
B-120070	Emba-glow material
CV-107116	Bag of vermiculite (3 off bags per product)

SECTION FIVE - USER INSTRUCTIONS

5.1 INSTALLATION INFORMATION

CONDITIONS OF INSTALLATION

It is the law that all gas appliances are installed only by a competent (e.g. Registered) Installer, in accordance with the installation instructions and the Gas Safety (Installation and Use) Regulations 1998. Failure to install appliances correctly could lead to prosecution. It is in your own interest and that of safety to comply with the law.

The fire may be fitted below a combustible shelf provided that the shelf is at least 200mm above the top of the appliance and the depth of the shelf does not exceed 150mm.

The fire may be installed below combustible shelves which exceed 150mm deep providing that the clearance above the fire is increased by 15mm for each 25mm of additional overhang in excess of 150mm.

No purpose made additional ventilation is normally required for this appliance when installed in G.B. When installed I.E. please consult document I.S. 813 : 1996 Domestic Gas Installation which is issued by the National Standards Authority of Ireland. Any purpose made ventilation should be checked periodically to ensure that it is free from obstruction.

If the chimney or flue has been previously used by appliances burning fuels other than gas they must be swept prior to the installation of this fire.

If this appliance is fitted directly on to a wall without the use of a fireplace or surround, soft wall coverings such as wallpaper, blown vinyl etc. could be affected by the heat and hot convection air and may discolour or scorch. This should be considered when installing or decorating.

The Model number of this appliance is as stated on the rating plate affixed to the control panel of the fire and the appliance is manufactured by:-

BFM Europe Ltd
Trentham Lakes
Stoke on Trent
ST4 4TJ

5.2 ABOUT YOUR NEW FLAVEL SOPHIA MK2 GAS FIRE

The Flavel “Sophia” MK 2 log effect gas fire incorporates a unique and highly developed fuel bed which gives the realism of a loose log layout combined with realistic flames and glow. The use of durable ceramic material in the construction of the fuelbed components ensures long and trouble free operation.

Please take the time to fully read these instructions as you will then be able to obtain the most effective and safe operation of your fire.

IMPORTANT SAFETY INFORMATION

WARNING

This appliance is a heating appliance and as with all heating appliances a fireguard should be used for the protection of children, the elderly and infirm. Fireguards should conform to B.S. 8423 : 2002 (Fireguards for use with gas heating appliances).

It is important that this appliance is serviced at least once a year by a GAS SAFE registered engineer. During the annual service, replacement of the oxy-pilot must be carried out. **This is a condition of the manufacturers guarantee.** Any debris or deposits should be removed from the fuel bed from time to time. This may be carried out by referring to the cleaning section as described later in this book. Only the correct number and type of logs must be used and only complete and genuine replacement sets must be used. Always keep furniture and combustible materials well clear of the fire and never dry clothing or items either on or near to the fire. Never use aerosols or flammable cleaning products near to the fire when it is in use.

The ceramic fuel bed remains hot for a considerable period after use and sufficient time should be allowed for the fire to cool before cleaning etc.

IMPORTANT : DO NOT UNDER ANY CIRCUMSTANCES USE THIS FIRE IF THE GLASS PANEL IS BROKEN, CRACKED OR MISSING.

IMPORTANT : THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE. ANY ELECTRICAL WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.

5.3 LIGHTING THE FIRE / USER CONTROLS

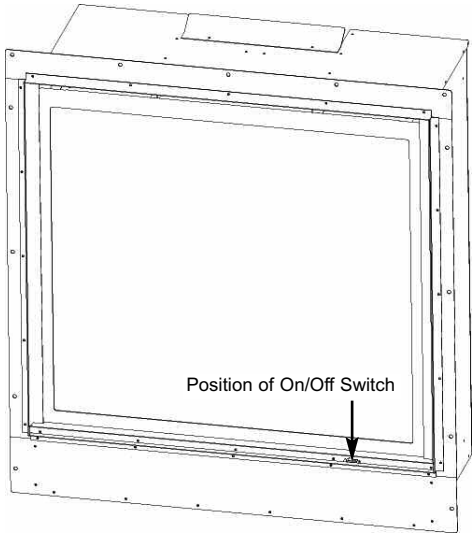
IMPORTANT : IF THE BURNER IS EXTINGUISHED FOR ANY REASON YOU MUST ENSURE THAT YOU WAIT A FULL THREE MINUTES BEFORE ATTEMPTING TO RE-LIGHT THE FIRE.

The product is controlled by the remote handset supplied with the fire. Ensure the 9V battery as supplied in the loose items pack has been fitted to the remote handset before attempting to use the handset. There are four modes of operation of the product, “MANUAL mode”, “TEMPERATURE mode”, “TIMER mode” and “CIRCULATING FAN” mode.

5.3.1 Operation of the Fire in “MANUAL” mode

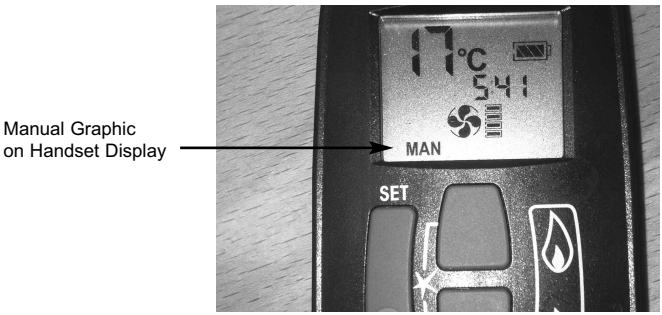
5.3.1.1 Locate the ON/OFF switch on the appliance, it is situated in the slot as shown below in figure 1. Ensure that the on / off switch on the valve is in the “ON” (1) position as shown below in figure 1.

Fig. 1



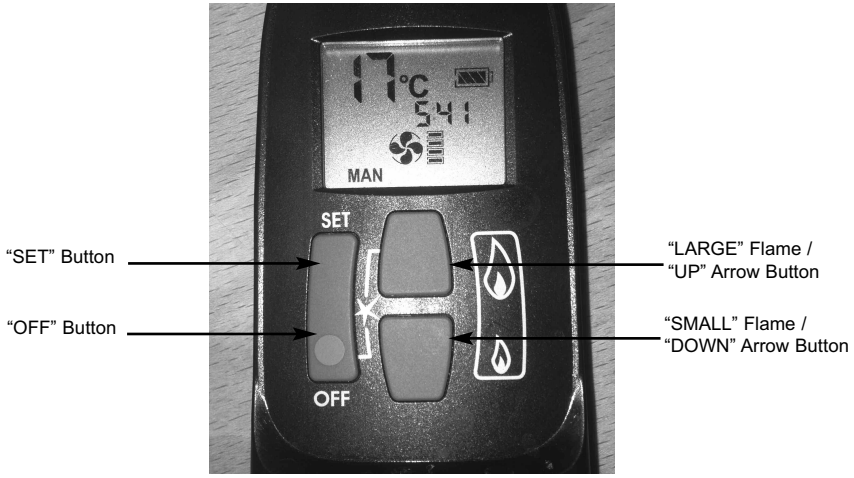
5.3.1.2 The remote handset is now used to control all functions of the fire. To light the fire, press the “UP” arrow and and “OFF” button simultateously as shown on figure 28 below. You will hear a click and the fire begins a 30 second ignition process. The pilot and main burner will light. The appliance is now in “MANUAL mode” which will be shown via the “MAN” graphic on the display of the handset as shown overpage in figure 2.

Fig. 2



5.3.1.3 With the product in “MANUAL” mode the fire can now be switched between HIGH rate heat input and LOW rate heat input by pressing the “DOWN” arrow on the handset. To reduce the flame height of the main burner incrementally, press the arrow momentarily. To reduce the heat input directly down to the minimum level, press the “SMALL” flame arrow on the handset twice, “LO” will be displayed. NOTE : The flame will go to HIGH rate heat input before going to designated LOW rate heat input. To return back to HIGH rate heat input press the “LARGE” flame button twice. To put the fire in In “STANDBY MODE” (only the pilot remains lit) press and hold the “SMALL” flame arrow on the handset. See figure 3 below.

Fig. 3



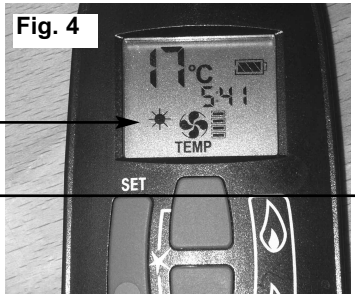
5.3.1.4 To turn the fire off, press the “OFF” button, this will extinguish all flames including the pilot.

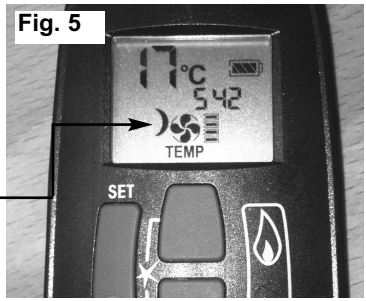
5.3.2 Operation of the Fire in "TEMPERATURE" mode

5.3.2.1 In order to change the mode of operation from "MANUAL" to "TEMPERATURE", press the "SET" button, the fire will then change to either "DAY TEMP" (figure 4) mode or "NIGHT TEMP" mode (figure 5). To alternate between the 2, press the "SET" button. **The display on the handset will show the current temperature in the room.**

"DAY TEMP" Mode

"NIGHT TEMP" Mode





NOTE : The "SET" button allows you to alternate between all modes of operation :- " MANUAL", "DAY TEMP", "NIGHT TEMP", "TIMER", "LIGHT / DIMMER" and "CIRCULATING FAN" then back to "MANUAL". Alternatively, pressing either the "UP" or "DOWN" arrow allows the unit to revert to "MANUAL" mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

5.3.2.2 Within the "TEMPERATURE" mode there are options for either "DAY TEMP" or "NIGHT TEMP". These temperatures can be set independently to allow a higher temperature to be maintained at night than during the day, or if setting the same temperature for day and night the fire will compensate for the generally cooler evening temperatures and automatically increase the heat input level accordingly.

5.3.2.3 To set the temperature, ensure the handset is in "TEMPERATURE" mode and then press the "SET" button until the "TEMP" display flashes then let go. Proceed to set the desired temperature by pressing the "UP" (large flame) or "DOWN" (small flame) arrows as necessary, then press "OFF" to complete the process.
NOTE : Minimum temperature is 5^{O}C, Maximum temperature is 30^{O}C, or minimum 41F to maximum 86F when in Fahrenheit mode.

5.3.2.4 Press the "OFF" button to stop the display flashing or wait to return to "TEMPERATURE" mode. NOTE : If you set a temperature below the current room temperature the fire will switch to standby mode (pilot burner only) until the room has cooled to the temperature you have set on the handset display.

5.3.2.5 If you would like the "NIGHT TEMP" to turn the fire off then decrease the temperature until [----] is displayed.

5.3.3 Operation of the Fire in "TIMER" mode

5.3.3.1 In order to change the mode of operation from "MANUAL" to "TIMER", press the "SET" button, the fire will then alternate between the settings until the "TIMER" mode is displayed.

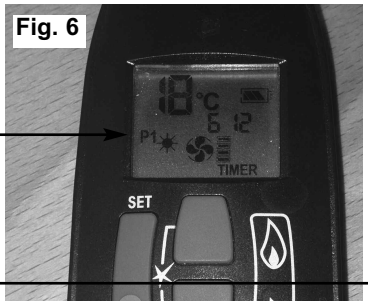
NOTE : The "SET" button allows you to alternate between all modes of operation :- " MANUAL", "DAY TEMP", "NIGHT TEMP", "TIMER" and back to "MANUAL". Alternatively, pressing either the "UP" or "DOWN" arrow allows the unit to revert to "MANUAL" mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

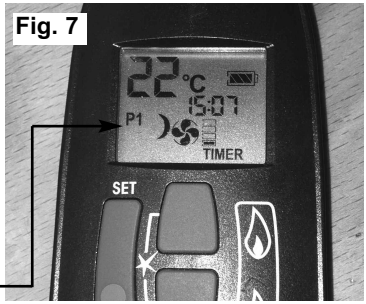
5.3.3.2 Within the "TIMER" setting mode there are two programmable settings you can make over a 24 hour period, namely P1 and P2. To set the timer, ensure the handset is in "TIMER" mode as detailed in section 5.3.3.1 above.

5.3.3.3 To set the P1 timed start setting, press and hold the "SET" button until the P1 (sun symbol is displayed as per figure 6 below) and the time flashes. Set the hour by pressing the "UP" (large flame) and set the minutes (in ten minute increments) by pressing the "DOWN" (small flame) as necessary, then press "OFF" button to complete the process. Repeat for the P1 (moon symbol is displayed as per figure below) Set the hour by pressing the "UP" (large flame) and set the minutes (in ten minute increments) by pressing the "DOWN" (small flame) as necessary, then press "OFF" button to complete the process.

P1 with "Sun" symbol illuminated

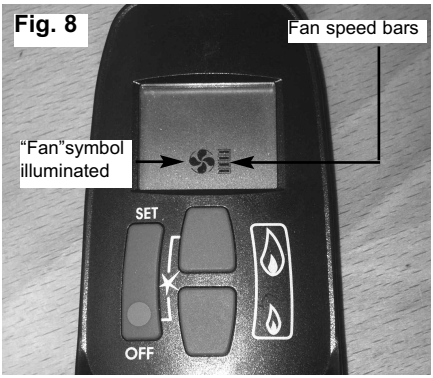
P1 with "Moon" symbol illuminated

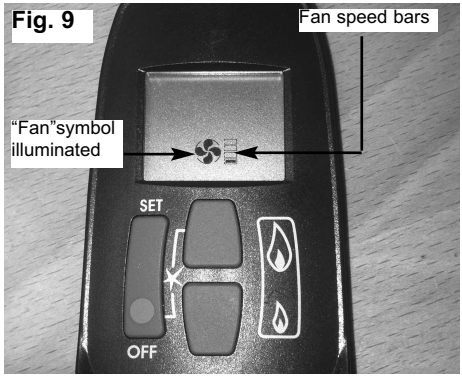




5.3.4 Operation of the Fire in “CIRCULATING FAN” mode

5.3.4.1 In order to change the mode of operation from “MANUAL” to “CIRCULATING FAN”, briefly press the “SET” button to scroll through to the circulating fan mode as shown below in figure 8, both fan and level icons will flash.





5.3.4.2 Press and hold the “LARGE” flame button to turn on the fan and increase fan speed.

5.3.4.3 Press and hold the “SMALL” flame button to decrease the fan speed, see figure 8 / 9 for fan speed bar indicator (4 bars illuminated = maxi mum fan speed, 1 bar illuminated = minimum fan speed).

5.3.4.4 To turn the fan off press and hold the “SMALL” flame button until all 4 speed level bars disappear.

NOTE : 8 seconds after the light/dimmer has been set, the handset will automatically go into manual mode. The fan starts 4 minutes after the gas supply opens (from OFF or from pilot) at maximum speed and goes to the displayed level after 10 seconds. The fan stops 10 minutes after the gas is off or a pilot only (standby mode).
IT IS RECOMMENDED FOR MOST EFFICIENT PERFORMANCE OF THE PRODUCT THE FAN MODE IS SET TO THE MAXIMUM (ALL FOUR SPEED BARS) POSITION.

5.3.5 Low Battery Signal

5.3.5.1 When the battery in the handset needs replacing, “BATT” will be dis played on the handset.

5.3.5.2 Remove the cover on the rear of the handset and replace the 9V battery as necessary.

5.4 CLEANING INSTRUCTIONS

Before attempting any cleaning operation ensure that the fire has been allowed to fully cool. **Ensure the fire is disconnected from the electricity supply before commencing any cleaning operations.**

CLEANING THE METAL PAINTED PARTS

These metal painted parts should only be cleaned using a clean, damp cloth. **Abrasive cleaners, chemical cleaning agents or any type of polish must never be used as damage to the finish may result.**

CLEANING THE FUEL BED

We do not recommend cleaning of logs or fuelbed components as these are fragile and damage may result. **None of these parts must be washed or exposed to any cleaning agents or water**. Any damaged parts must be replaced by contacting your dealer or telephoning BFM Europe on the number stated on the rear cover of this book. Logs must only be replaced with a complete and genuine replacement set and the fire must never be run with the wrong number or damaged logs. The fuelbed must be carefully re-assembled as stated in the following section.

Before attempting any cleaning operation ensure that the fire has been allowed to fully cool. Black painted metal parts should be gently cleaned with a damp cloth.

CLEANING THE FUEL BED

This product is equipped with non-reflective glass which must be cleaned as follows or irrepairable damage to the coating on the glass panel will occur. The manufacturers warranty will not cover damage by incorrect cleaning methods.

DO NOT USE ceramic glass cleaning agents.
DO NOT USE sharp objects or blades to remove marks.
DO NOT USE dry cloths or wipes.

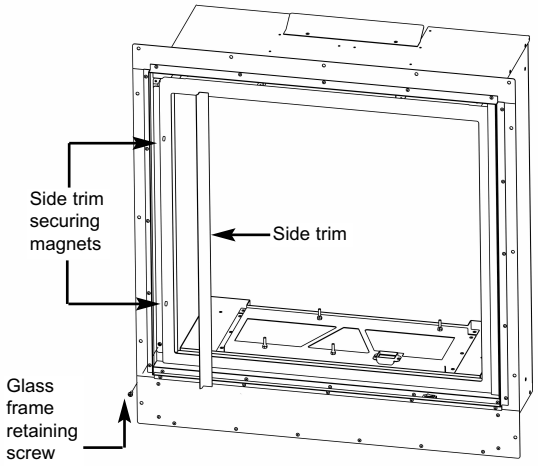
DO USE normal glass cleaner such as “Sidolin”.
DO USE soft glass wipes.
DO USE damp cloths.

PLEASE NOTE :- The glass will require cleaning periodically. Condensation produced by the products of combustion will create marks on the inside face of the glass panel.

5.5 REMOVING / REPLACING THE GLASS PANEL

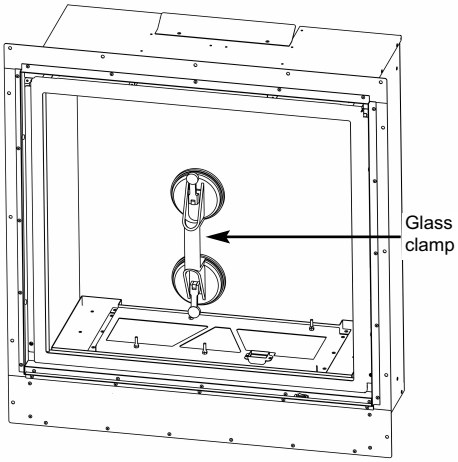
5.5.1 Remove both the side trims which are held in place by the magnets then remove the glass frame securing screws as below in figure 10

Fig. 10



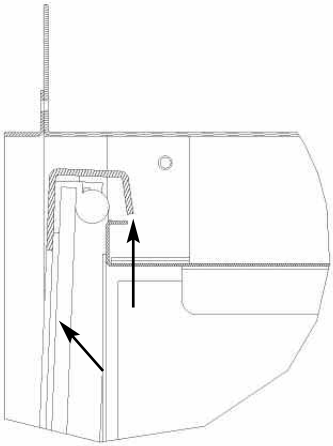
5.5.2 Secure the glass clamp to the glass panel as shown below in figure 11, to remove the glass panel lift vertically then pull forwards. See figure 12 overpage which shows how the glass frame is located on the top of the combustion chamber.

Fig. 11



5.5.3 Unhook the glass panel from the top retaining channel by lifting upwards then tilt the bottom edge of the glass assembly towards you as shown below in figure 12 (sectional view shown through product for clarity)

Fig. 12



5.5.4 Remove the glass frame assembly by drawing it forwards from the combustion chamber.

5.5.5 Store the glass frame assembly in a safe place.

5.5.6 Re-assemble in reverse order when re-fitting the glass assembly.

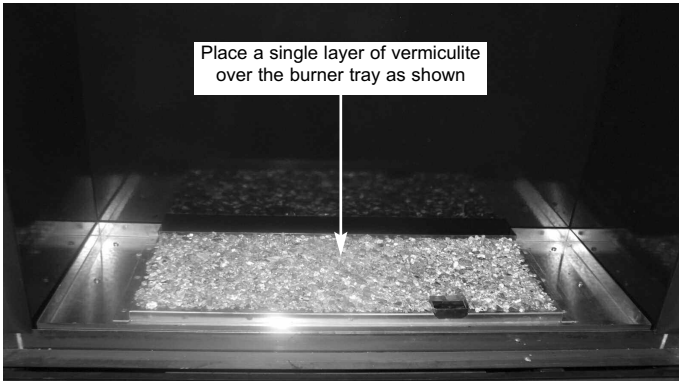
Ensure that the glass assembly is correctly located on the top flange of the combustion chamber, this can be achieved by putting your hand onto the top edge of the glass frame inside the convection air aperture and pushing down firmly to check the glass frame is correctly located.

DO NOT OPERATE THE FIRE WITHOUT THE GLASS FRAME ASSEMBLY IN POSITION OR NOT CORRECTLY LOCATED.

5.6 REMOVAL & RE-FITTING THE FUEL-BED LOGSET

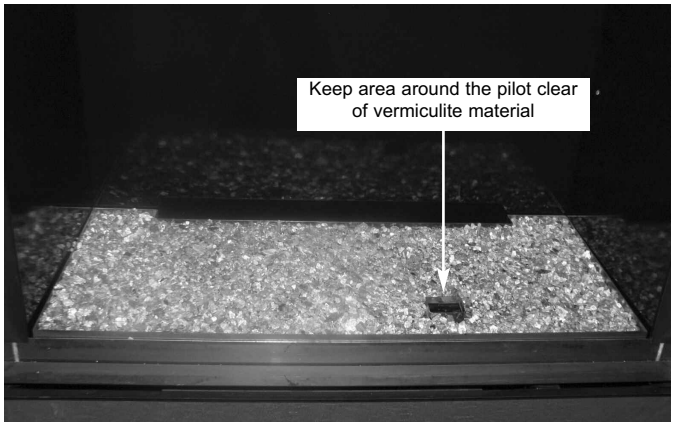
5.6.1 Place a single, even layer of vermiculite onto the burner area as shown below in figure 13.

Fig. 13



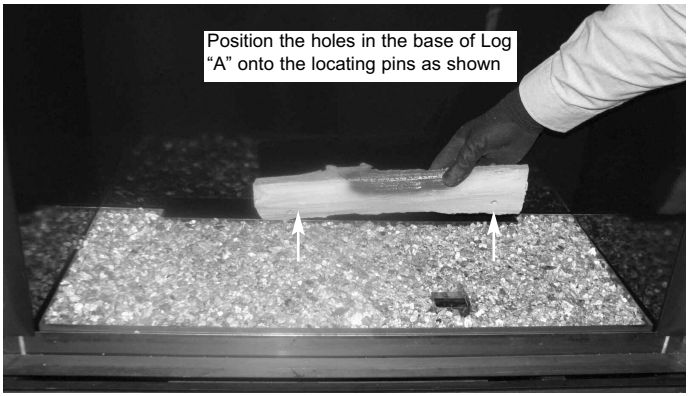
5.6.2 Fill the edge around the rest of the burner tray with vermiculite as shown below in figure 14, ensure the pilot aperture is kept clear of vermiculite material.

Fig. 14



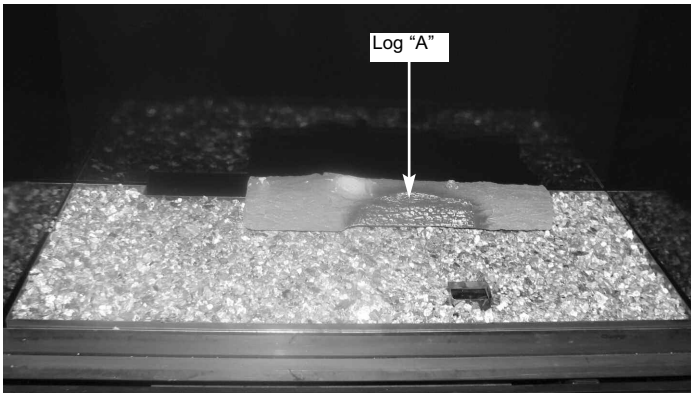
5.6.3 Position the holes in the bottom face of Log “A” at the back of the fuel-bed tray on the right hand side onto the locating pins in the fuel-bed tray as shown below in figure 15.

Fig. 15



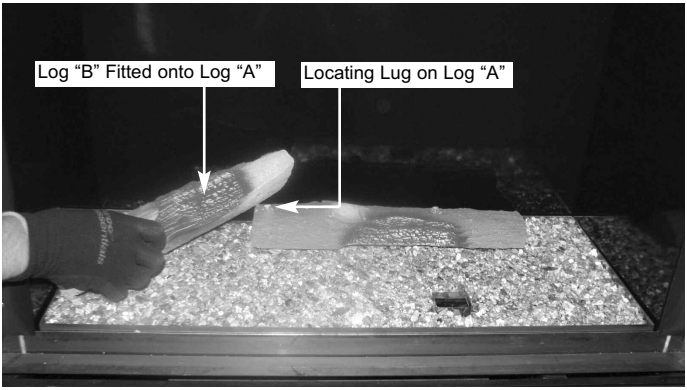
5.6.4 Figure 16 below shows Log “A” correctly positioned on the fuel-bed base tray.

Fig. 16



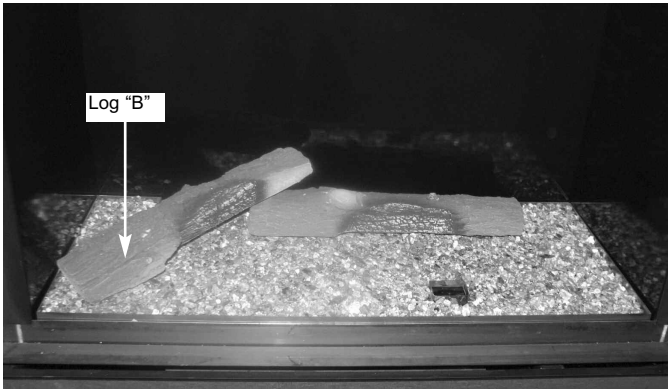
5.6.5 Fit Log “B” into position, using the locating lug that fits into left hand end of Log “A” as shown below in figure 17.

Fig. 17



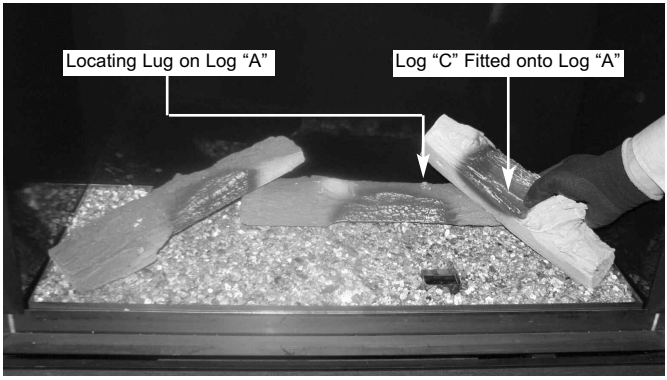
5.6.6 Figure 18 below shows Log “B” correctly located on Log “A”.

Fig. 18



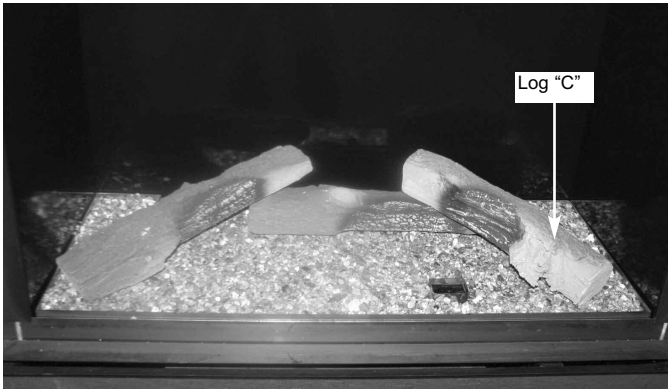
5.6.7 Fit Log “C” into position using locating lug that fits onto right hand end of Log “A”as shown below in figure 19.

Fig. 19



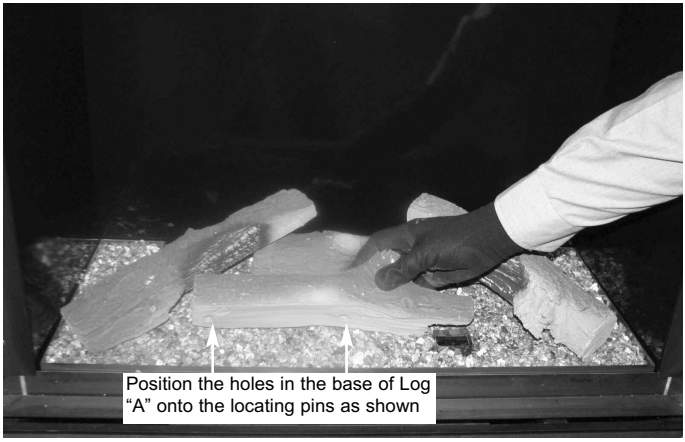
5.6.8 Figure 20 below shows Log “C” correctly located on Log “A”.

Fig. 20



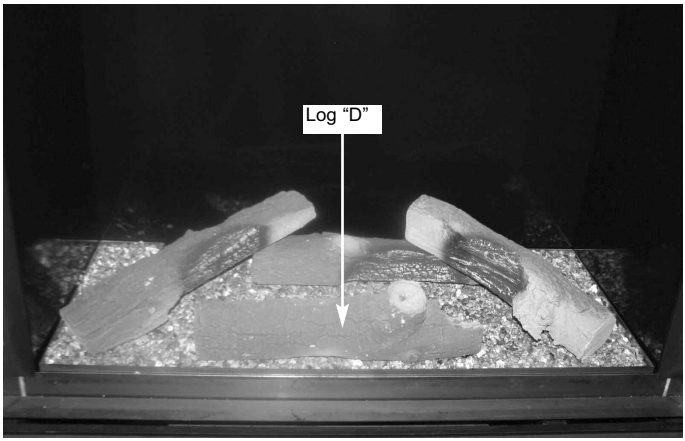
5.6.9 Fit Log “D” into position at the front centre of the fuel-bed as shown below in figure 21, using the locating pins in the fuel-bed tray as a guide for placement.

Fig. 21



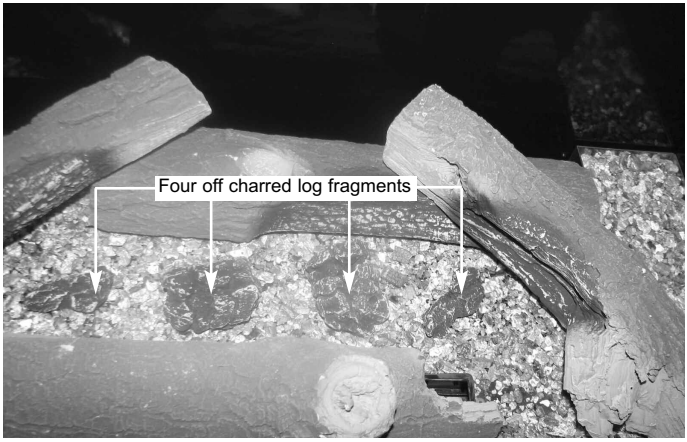
5.6.10 Figure 22 below shows Log “D” correctly located on the fuel-bed base tray

Fig. 22



5.6.11 Position the four off (two off large, two off small) remaining charred log fragments randomly in the centre of Logs “A” to “D” as shown below in figure 23.

Fig. 23



Warning : Use only the logs supplied with the fire. When replacing the logs remove the old logs and discard them. Fit a complete set of logs of the correct type. Do not fit additional logs or any logs other than a genuine replacement set.

This appliance does not contain any component manufactured from asbestos or asbestos related products.

5.7 USER REPLACEABLE PARTS LIST

B-186440	Glass panel
B-1000658	Complete log set
B-1000652	Log “A” only
B-1000656	Log “B” only
B-1000657	Log “C” only
B-1000654	Log “D” only
B-1000661	Pair of Small Log Fragments (Charred)
B-1000662	Pair of Large Log Fragments (Charred)
B-120070	Emba-glow material
CV-107116	Bag of vermiculite (3 off bags per product)

Part No. B-1003803
Issue 2

FLAVEL

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BFM Europe Ltd.
Trentham Lakes
Stoke-on-Trent
Staffordshire
ST4 4TJ

www.bfm-europe.com

Telephone - General Enquiries : (01782) 339000
Telephone - Service : (01782) 339008