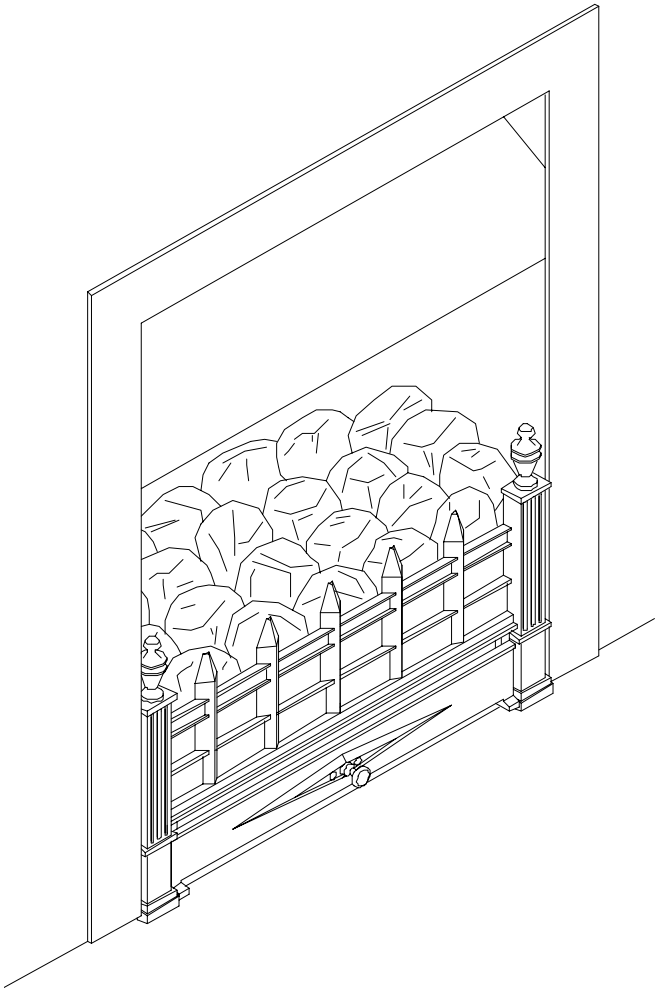
EXCEPTIONAL FIRES



CE

JETMASTER MK6

GAS CONVECTOR RANGE

Installation and Operating Instructions For
Manual and Remote Control (RC) Options

Issue. 2

Contents

Introduction

NOTE: THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE.

The JETMASTER MK6 Convector range of fires are suitable for use with **NATURAL GAS (G20) ONLY**. They incorporate the latest in gas fire technology to produce a high output appliance. This fire is intended for decorative purposes.

These instructions are valid for the following models in the JETMASTER range.

TYPE	SIZE	MODEL No.	TYPE	SIZE	MODEL No.
Manual	16”	BL166	Remote Control	16”	C166NRC
	18”E	BL186E		18”E	C186ENRC
	18”	BL186		18”	C186NRC
	22”	BL226		22”	C226NRC
	25”	BL256		25”	C256NRC
	22”X	BL226X		22”X	C226XNRC
	25”X	BL256X		25”X	C256XNRC

Special Features

- Realistic ceramic fibre coal bed and flame pattern with random coal effect.
- An oxygen depletion pilot is fitted which cuts off the gas if the level of oxygen reduces significantly e.g. due to flue blockage.
- Meets all the essential requirements of the European Gas Directive and carries the CE mark.
- Remote control unit available on all models.
- Variety of front styles available.

• Safety and General Information

Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

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

The pilot and flame sensing device fitted to this fire is also an atmosphere sensing device. If for any reason any part of the pilot assembly is to be replaced the entire assembly including the pilot burner, thermocouple, electrode and injector must be exchanged complete for a pilot assembly from the original manufacturer only. This atmosphere sensing device is not adjustable and must not be put out of action.

General Safety

In your own interest and for safety, in the United Kingdom, it is the law that all gas appliances are installed by competent persons in accordance with the Gas Safety (Installation & Use) Regulations 1998. Failure to install the appliance correctly could lead to prosecution.

The Confederation for the Registration of Gas Installers (CORGI) requires its members to work to recognised standards.

The installation must be in accordance with these instructions.

In the United Kingdom the installation must also be in accordance with:

- All the relevant parts of local regulations.
- The Building Regulations issued by the Department of the Environment or the Building Standards (Scotland) (Consolidation) Regulations issued by the Scottish Development Department.
- All relevant codes of practice.
- The relevant parts of the current editions of the following British Standards:-

BS 715	BS 6461 Part 1 & 2
BS 1251	BS 6891
BS 4543 Part 2	BS 7556
BS 5440 Part 1 & 2	BS 8303
BS 5871 Part 2	

In other countries the installation must also conform with the national and local regulations in force.

Installation Requirements

As supplied the appliance can be installed in the following situations:-

To a non-combustible fireplace complete with surround and hearth with dimensions as shown in Fig. 1 fireback. The chairbrick, if fitted should be removed to obtain the Minimum dimensions as shown in Fig. 1. The required fireplace, hearth, debris catchment area and clearance dimensions are shown in Fig. 1.

For a 16” fire, a fireplace incorporating a metal flue box complying with the constructional requirements of the current edition of BS 715. The internal dimensions of the flue box must conform to the opening shown in Fig. 2.

Suitable Flues and Minimum Flue Sizes are as follows:-

a) 225mm x 225mm conventional brick flue.

b) 175mm diameter lined brick or stone flue.

c) 200mm diameter factory made insulated flue manufactured to BS 4543.

d) 175mm diameter flue pipe. See BS 6461 Part 1 for suitable materials.

e) For 16” model only. Single wall, twin wall or flexible flue liner of minimum diameter 125mm. The materials to be used are stainless steel or aluminium as specified in BS 715.

It should be noted that, as with many appliances, sharp bends or horizontal runs in metal flues at the top of the system can be a cause of problems in these types of installation.

The minimum effective height of the flue must be 3m (4.6m for the 22”X & 25”X).

The flue must have a positive updraught.

The flue must not be used for any other appliance or application.

Any chimney damper or restrictor should be removed. If removal is not possible, they must be secured in the fully open position.

If the appliance is intended to be installed to a chimney which was previously used for solid fuel, the flue must be swept clean prior to installation. All flues should be inspected for soundness and freedom from blockages. Where the fire is to be installed beneath a particularly deep lintel supporting the chimney breast and the flue outlets might be partially obscured, steps must be taken to chamfer the underside of the lintel to provide a smooth unrestricted path for the gases.

Any underfloor vents or openings within the builders opening should be sealed off.

The appliance must be mounted on a non-combustible hearth (N.B. con-glomerate marble hearths are considered as non-combustible). The appliance can be fitted to a purpose made proprietary class “O”-150°C surround. The hearth material must be at least 12mm thick.

The periphery of the hearth (or fender) should be at least 50mm above floor level and extend 300mm in front of the fire and 150mm either side.

The surface of the hearth must be sufficiently flat to enable the bottom of the front surround and ash pan cover to be aligned horizontally. Any excessive unevenness (uneven tiles, stone, etc.) should be rectified.

The appliance must not stand on combustible materials or carpets.

If the appliance is to be fitted against a wall with combustible cladding, the cladding must be removed from the area covered by the outer surround.

The front face of the fireplace should be reasonably flat over the area covered by the convection box top and side flange seals to ensure good sealing. These faces should be made good if necessary.

The fireplace floor should be reasonably flat to ensure that a good seal with the convection box can be made.

The minimum height from the top surface of the fire to the underside of any shelf made from wood or other combustible materials is as follows:-

- For a shelf up to 150mm deep - Minimum height = 300mm. (Fig. 1).

As on all heat producing appliances, soft furnishings such as blown vinyl wallpaper placed too near the appliance may become scorched or discoloured. This should be borne in mind when installing the appliance.

This appliance must not be installed in any room which contains a bath or shower.

FIRE SIZE		**16”**	**18”E / 18”**	**22”**	**22”X**	**25”**	**25”X**
DIMENSION (mm)							
FRAME WIDTH	A	453	503	600	600	700	700
FRAME HEIGHT	B	576	576	576	650	576	650
BOX WIDTH	C	400	450	550	550	625	625
BOX HEIGHT	D	554	554	554	630	554	630
BOX HEIGHT (SLOPE)	E	365	365	365	440	365	440
BOX DEPTH (TOP)	F	185	185	185	185	185	185
BOX DEPTH (BEHIND FRAME)	G	295	295	295	295	295	295
WEIGHT (Kg)		30	32	38	41	41	44
FIREPLACE OPENING (MIN).							
OPENING WIDTH	H	407	458	560	560	635	635
OPENING HEIGHT	J	559	559	559	635	559	635
OPENING DEPTH	K	355	350	340	340	330	330
HEARTH DIMENSIONS (MIN).							
HEARTH WIDTH	L	650	700	800	800	875	875
CHIMNEY DIMENSIONS (MIN)							
CHIMNEY MINIMUM HEIGHT (M)		3	3	3	4.6	3	4.6
CHIMNEY MINIMUM INTERNAL DIAMETER (mm)		125	175	175	175	175	175

Fig. 1

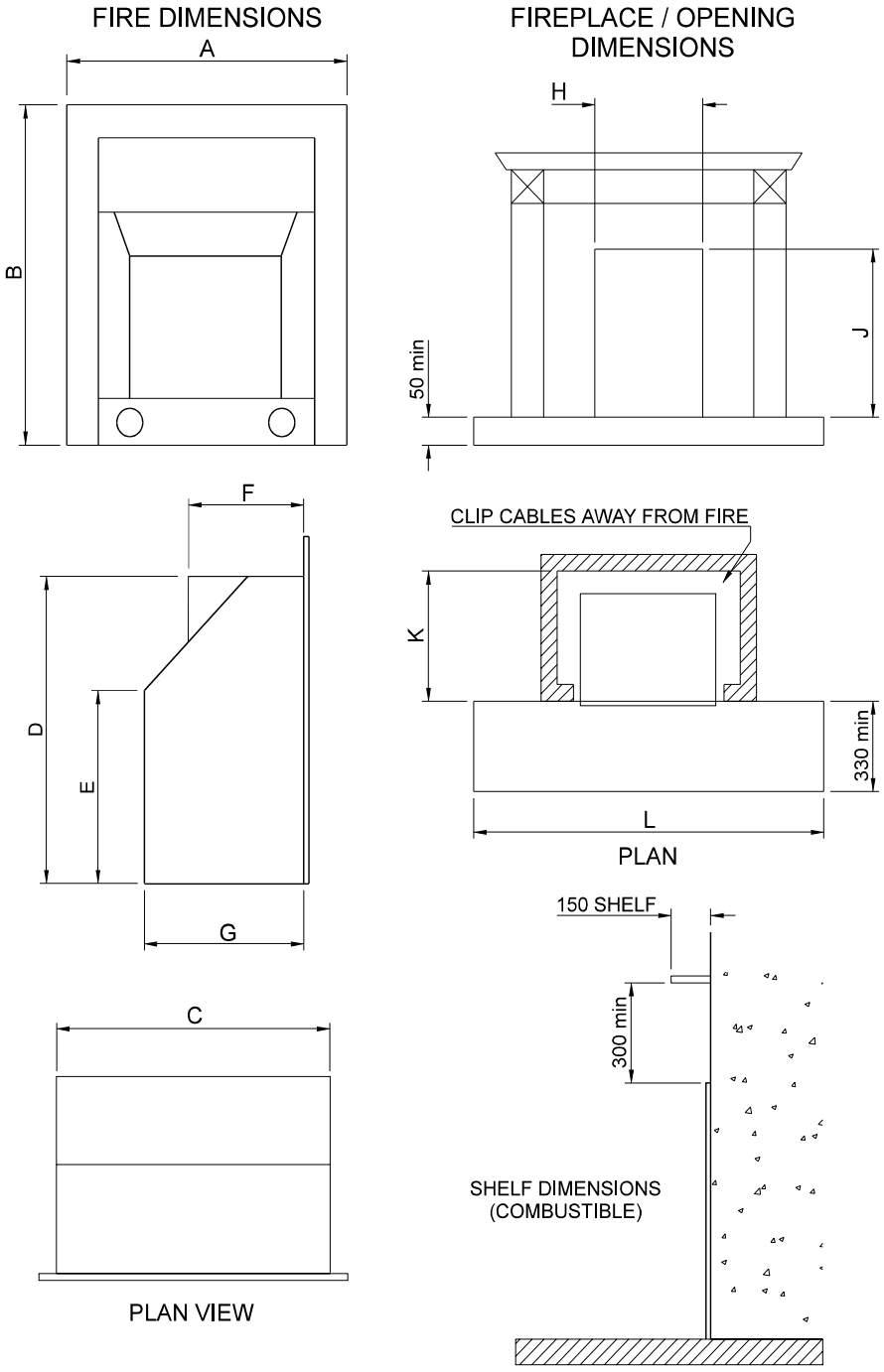
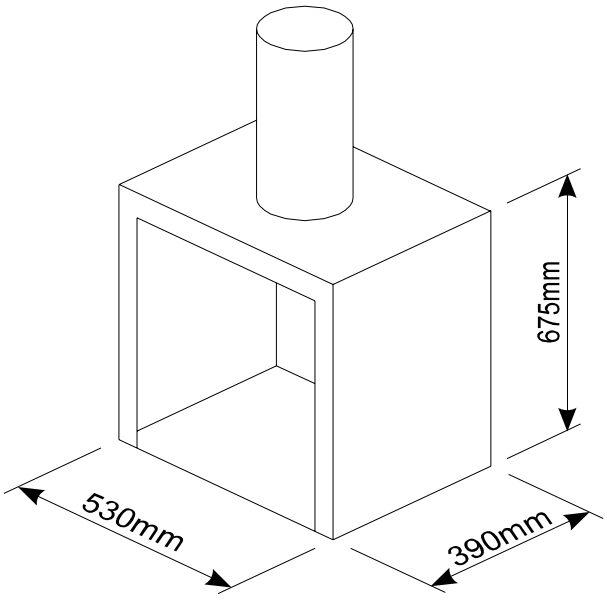


Fig. 2. Requirements For A 16" Fireplace Incorporating A Metal Flue Box



Technical Data

GAS TYPE	Natural gas only
GAS CATEGORY	I_{2H} EN437
COUNTRY FOR USE IN	GB / IE

HEAT INPUT kW (GROSS)

		16”	**18”E**	**18”**	**22” / 22”X**	**25” / 25”X**
HIGH	Manual	6.85	7.00	9.75	11.60	11.80
LOW	Manual	3.60	3.60	4.50	5.00	5.50
HIGH	Remote Control	6.85	7.00	9.75	11.60	12.20
LOW	Remote Control	3.60	3.60	4.50	5.00	5.50

SETTING PRESSURE AT MAX. INPUT (COLD) 20mbar ± 1.0mbar

INJECTOR		**16”**	**18”E**	**18”**	**22” / 22”X**	**25” / 25”X**
	Manual	520	540	700	850	850
	Remote Control	510	510	650	800	850

PILOT TYPE	Manual	S.I.T. Oxypilot NG9039
	Remote Control	S.I.T. Oxypilot NG9079 Split Thermocouple
GAS CONNECTION		8mm o.d. tube
BATTERY	Remote Control	
	Handset	PP3, 9 volts sealed long life **Alkaline.**
	Fire/Burner	Battery Pack 2xD, 7.2 volts sealed long life **Lithium**

AIR SUPPLY cm²	**16”**	**18”E**	**18”**	**22” / 22”X**	**25” / 25”X**
Manual and Remote Control	0	0	20	30	35

For Eire Ventilation should be in accordance with ICP 3.
Shelf clearance = Min height of a combustible shelf above the fire.

Shelf depth up to 150mm deep - Minimum height = 300mm

If the shelf depth is greater than 150mm add 50mm to the shelf clearance height for every 25mm increase in shelf depth.
Side clearance = Min distance from the side of the fire frame to combustible material = 150mm

Gas Supply

a) Installation pipes should be in accordance with BS 6891. Pipework from the meter to the appliance must be of adequate size. Pipes of a size smaller than the appliance inlet gas connection should not be used.
b) The complete installation including the meter must be tested for soundness and purged as described in the above code. The gas connection is nut and olive suitable for 8mm pipe. The connection can be made from left, right or the rear.
c) A means of isolating the fire must be fitted upstream of the appliance to allow servicing etc to be carried out. (If concealed fixing is required refer to the ‘Gas connection’ section in the ‘Installation instructions’).

d) The gas supply must be made with rigid or semi-rigid pipe.

Unpacking

When unpacking refer to the check list below to ensure that all components are present before commencing installation.
Do not unwrap the front or the coal beds until required to avoid accidental damage.

- Firebox and burner
- Fire front :- Either Horizontal, Sovereign, Classic, Basket or Regency. (See Fig. 3).
- Ash pan cover
- Coal beds comprising:
  - Rear coal bed
  - Front coal bed
  - Left hand side coal support
  - Right hand side coal support
  - Pack of loose coals

- Fire size	**16”**	**18”E & 18”**	**22” & 22”X**	**25” & 25”X**
- Coal Quantity	17	19	23	26

- Poly Bag containing:
  - Installation & Operating Instructions.
  - Ceramic rope
- Remote Control Version Only
  - Remote Handset
  - Battery PP3, 9 volts sealed long life **Alkaline**
  - Battery Pack 2xD, 7.2 volts sealed long life **Lithium**
  - Double sided tape
  - P Clip (attached to fire box)
  - Self Tapping Screw (attached to fire box)

Installation instructions

Preparing the Appliance (See Fig. 3)

Carefully remove the loose coal pack, side coal supports, front coal bed and rear coal bed.

On remote control versions remove the screw holding the P clip and infrared sensor.

Slacken the 2 screws (1 each side) securing the burner to the fire box. Then, slide the burner forwards and lift the burner upwards at the front so as the burner location tags clear the heads of the screws. Remove the burner tray and place to one side.

If a concealed gas connection is to be made prepare the pipework prior to sliding the fire into the recess.

Concealed gas connection - Remove one of the 4 knockouts (2 at rear of box, 1 on the left and 1 on the right hand sides) to allow an 8mm gas inlet pipe to enter the appliance. Ensure sufficient length of pipe to allow connection.

If the optional flue restrictor plate is required (Only available for the 16”, 22” & 25” models, see short spares list for details) fit the plate as shown in Fig. 8 page 18.
NOTE:- The flue must have an internal diameter greater than 7” and a height of not less than 3 meters. The plate may still need to be removed to ensure clearance of spillage products dependant upon the spillage test.

Fitting the Firebox

Position the firebox in the fireplace opening. For a concealed gas connection, the gas supply pipe should be fitted through the knockouts at the rear or sides of the fire box. Ensure pipework allows for the removal of the fire box.

If the gas pipe is to be brought in from the front over the hearth ensure that the pipe does not foul the fire front and/or the ash pan cover. To achieve this the pipe should be installed as close to the floor as possible as it enters the convector box.

Mark the positions of the securing holes in the base. Remove the fire then drill and plug the holes.

Carefully slide the firebox back into the fireplace opening ensuring that a seal is formed behind the frame of the firebox such that the only air which can reach the flue must travel through the front of the firebox and up through the fume outlets. A length of ceramic rope is supplied that can form a seal between the sides of the firebox behind the frame and the edge of the surround.

Whilst pushing the fire up to the surround to form a seal, insert and tighten the screws into the previously plugged holes.

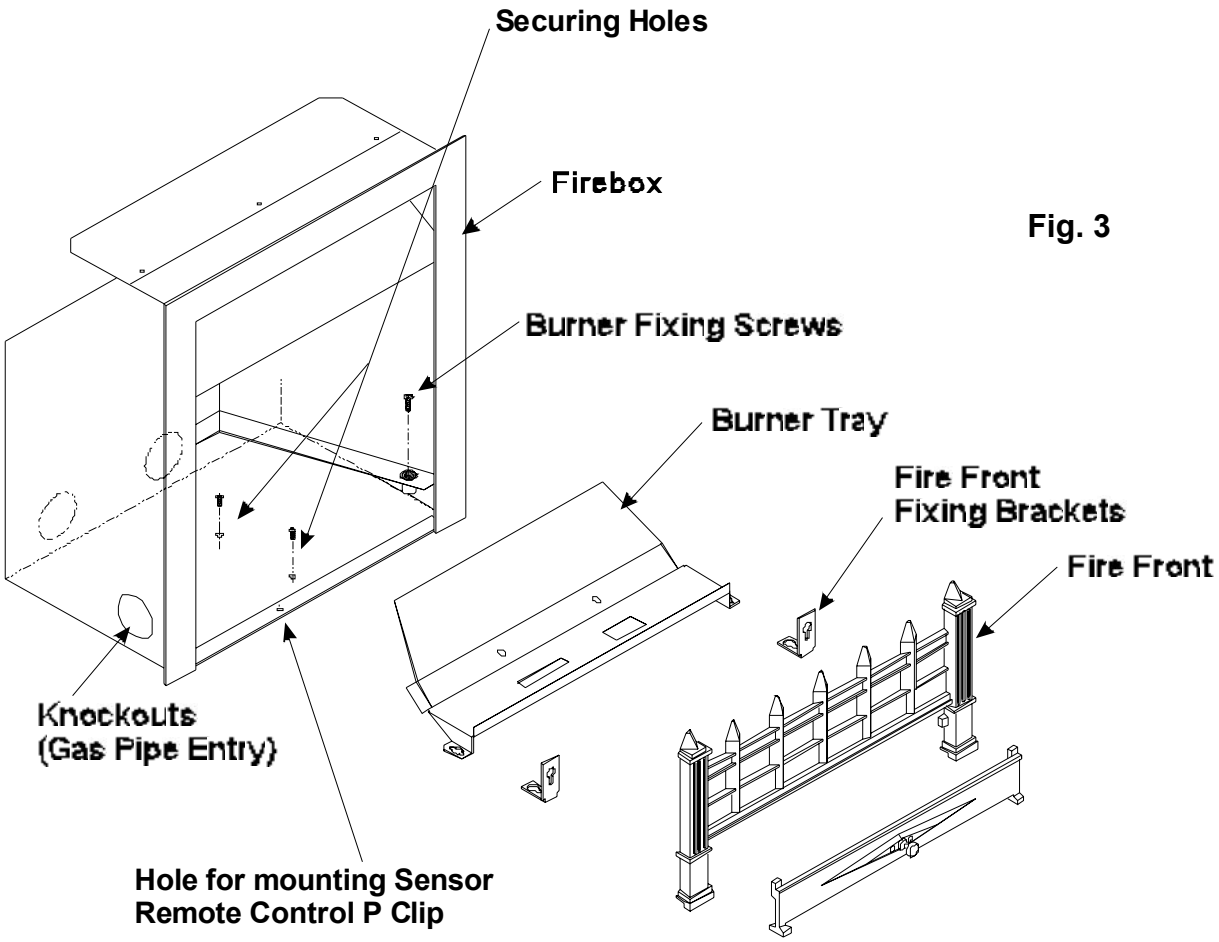
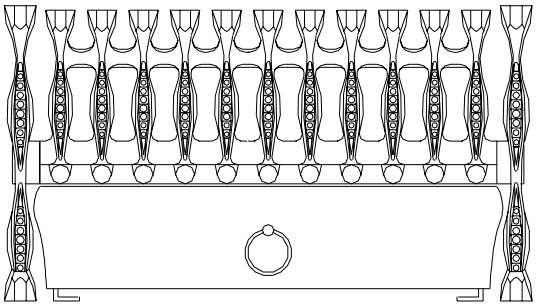
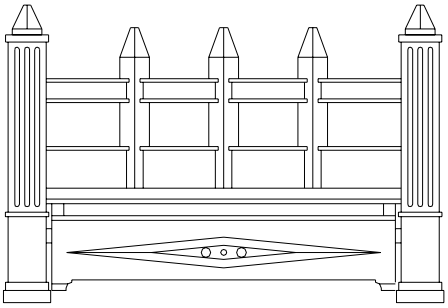


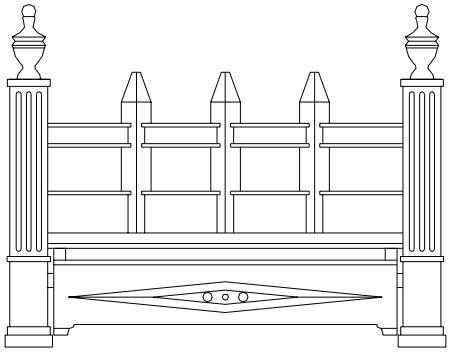
Fig. 3



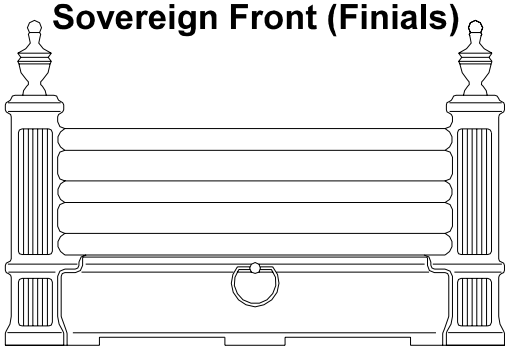
Classic Black Front



Sovereign Front (Standard)



Sovereign Front (Finials)



Regency Front

Fitting the Burner

Sovereign Front, Classic Front and Basket Front.

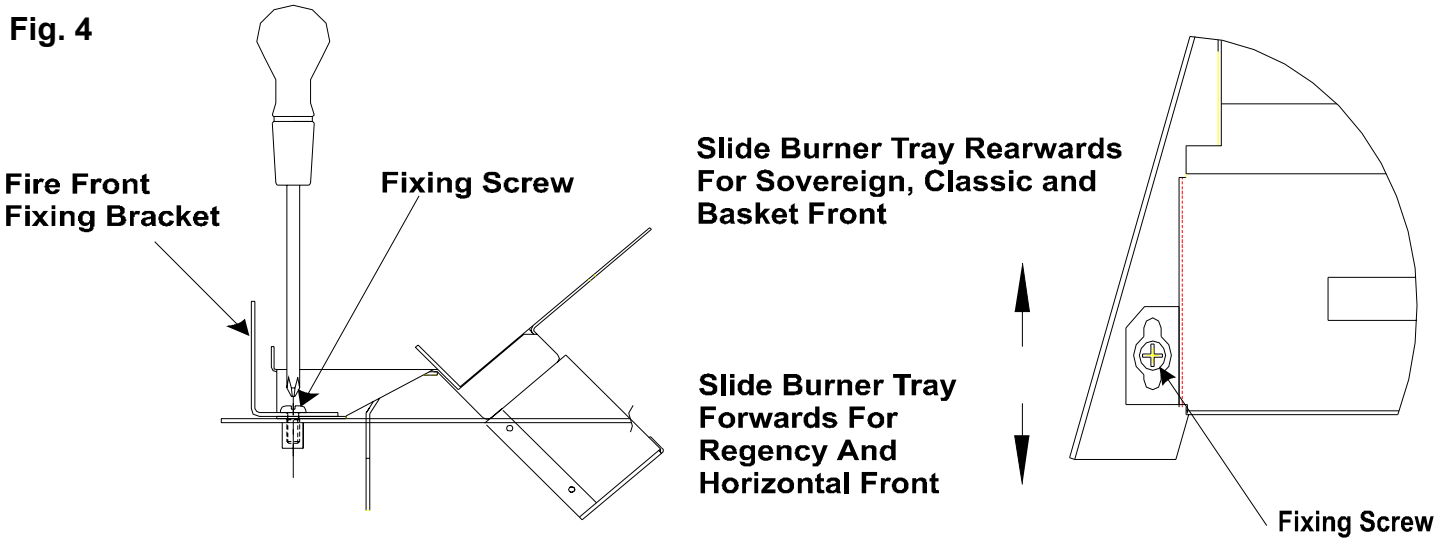
Refit the burner tray into the convector box by locating the burner tabs over the heads of the locating screws. If the burner has been supplied with the remote control then the sensor must first be mounted before fitting the fire front (See section on Sensor mounting page 12). Then, fit the fire front fixing brackets supplied with the front over the heads of the locating screws. Finally, slide the burner **rearwards** in the slot and fully tighten the locating screws.

Regency Front and Horizontal Front.

Refit the burner tray into the convector box by locating the burner tabs over the heads of the locating screws. If the burner has been supplied with the remote control then the sensor must first be mounted before fitting the fire front (See section on Sensor mounting Page 12). Then, fit the fire front fixing brackets supplied with the front over the heads of the locating screws. Finally, slide the burner **forwards** in the slot and fully tighten the locating screws.

Complete the gas connection.

Fig. 4



Remote Control - Handset and Sensor Mounting

The Remote Control handset generates an infrared signal, which will be received by the sensor situated at the front of the fire. This infrared signal requires a direct line of sight from the handset to the sensor at the fire to ensure correct operation.

The range of operation with the remote control handset can be up to 6m. It is not permissible to extend the range beyond this. The handset will not interfere with other remote devices as the fire control system operates on a dedicated frequency.

Unpack the Remote Control Handset and install the 9v alkaline battery.

1. Remove the rear cover of the handset by pushing the clip and lifting the cover off.
2. Locate the connector ensuing battery terminal correct and press onto battery studs.
3. Replace rear cover ensuring cover clip secured.

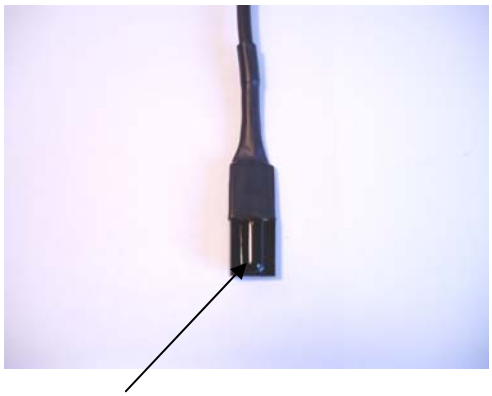
Positioning the Sensor

Mounting the sensor in the correct position is critical for the fire to operate.

The object is to mount the sensor as unobtrusive as possible yet still have sufficient direct line of sight to the handset to ensure correct operation every time. There is no one correct position to mount the sensor as it will depend on the fire front fitted, the room and the type of installation.

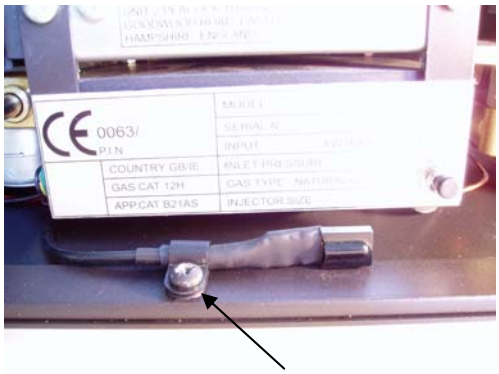
Supplied is a plastic P clip and heavy duty double sided tape allowing for a multitude of mounting positions to be achieved. The P clip is supplied fitted in the rear position being held with a single self tapping screw to the front bottom section of the convector box. See Fig. 5b. The double sided tape can be used to mount the sensor to the ash pan cover or the frame of the convector box.

Fig. 5a



"shiny bulbous surface" must face forward

Fig. 5b



P clip with self tapping screw fitted in rear position for Sovereign and basket front

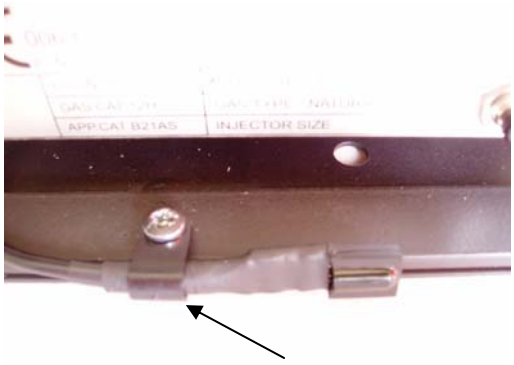
The "Shiny bulb shaped surface" Fig. 5a must face forward as this is the surface that picks up the infrared signal.

The P clip can be removed and rotated forwards and / or turned over. This will bring the sensor further forward and / or lower the sensor position. The position will vary depending on the which fire front is fitted and will also depend on the type of installation.

Fig. 5c

P clip rotated towards front for Horizontal front or where more line of sight required

Fig. 5d



P clip turned over
This lowers the position and brings it further forward
Use when better line of sight required

Fig. 5e

Sensor hangs down from back of ash pan cover (shiny side must face forward)

Fig. 5f

P clip can be attached to rear of ash pan cover using ash pan knob screw

Fig. 5g

Remote Control Handset and Fire Battery

Fig. 5h

Sensor mounted to Regency Front using double sided tape

Fire Battery Connection and Fitting

The battery at the fire is a special battery pack 2xD, 7.2 volts sealed long life **Lithium (Fig. 5g)**

The battery should be located underneath the burner on the left hand side of the fire.

Pull the battery lead (red and black) forward out to the front of the fire and carefully connect the plastic connector to the plastic connector situated on the lead attached to the battery. Ensure that the connector is correctly connected.

Fit the battery under the burner ensuring that the battery lead is facing downwards and away from the underside of the burner. (To prevent the lead from touching a hot surface).

The battery should sit on the floor of the convector box as far forward and left as possible just behind the fire front. This allows for easy battery replacement. (S

ee section Changing the batteries Remote Control page 25).

Gas Connection

A means of isolation must be provided in the supply to facilitate servicing. An 8mm compression isolating cock/pressure test point has been supplied at the inlet to the appliance. This is required to allow subsequent servicing to take place.

The gas connection can be made left hand or right hand. A right hand connection is recommended.

Refit the burner tray and complete the gas connection by connecting the pipe to the isolating cock/ pressure test point elbow.

Turn the gas supply ON and check for gas soundness at all joints.

Concealed connection

Important - For concealed connection any pipework external to the firebox must be of the sleeved type.

Hearth Connection

Route the pipe along the hearth. Ensure that the gas pipe does not interfere with the removal or replacement of the fire front or operation of the controls

Assembly of the Fire Bed

Carefully unpack the fire bed items:

- Rear coal bed and Front coal bed
- Left hand and Right hand side coal support
- Pack of loose coals.

IMPORTANT

Do not use the fire with broken or missing coals. Never add any extra coals above the number stated in these instructions. This could cause a safety hazard. It is essential that the coals are laid in accordance with the coal lay diagrams. Only the fuel bed parts supplied with this appliance or authorised Jetmaster replacements must be used.

Coal Lay and Fire Front Fitting

Please note - These diagrams show the build up of a 16" fire. All other sizes should be treated in a similar manner, merely adjusting the number of coals according to the width.

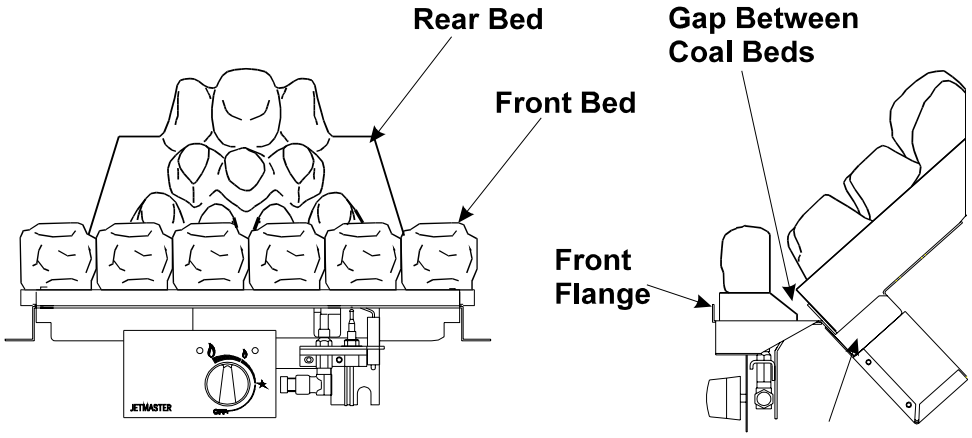
Rear Coal Bed

Place the rear coal bed onto the sloping face of the burner tray with the front edge resting against the lip of the burner cap. Ensure it central left and right.

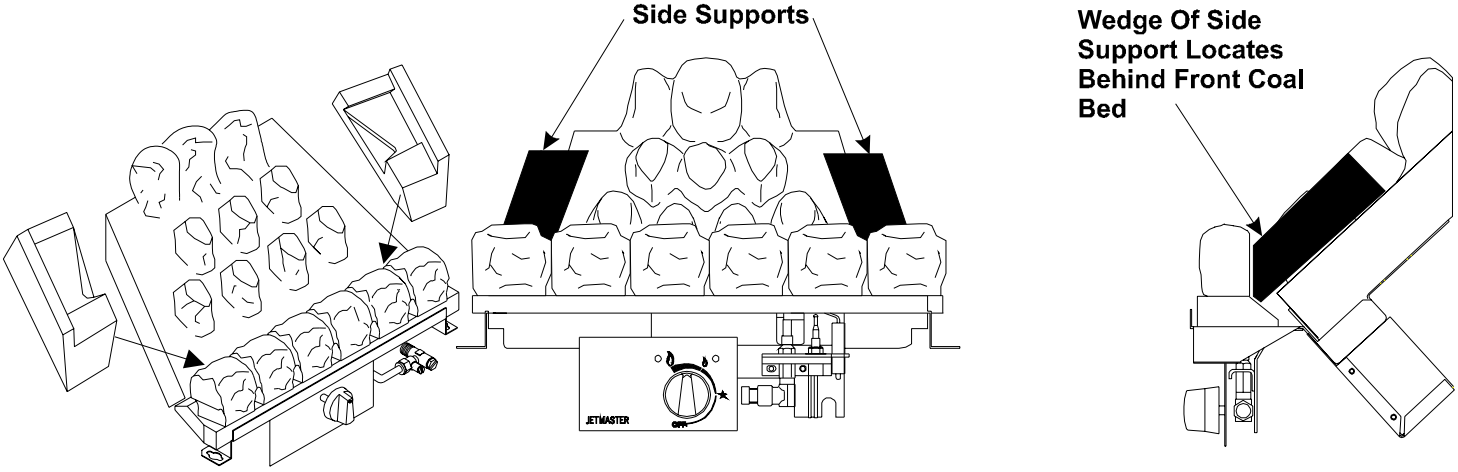
Front Coal Bed

Place the front coal bed in position on the burner tray in front of the rear coal bed. Ensure that it is positioned behind the flanges on the edge of the burner tray and that it is central left and right. There will be a gap between the rear of the front coal bed and the front of the rear coal bed.

Check that the pilot is not obscured and the front coal bed is flat down on the burner tray.

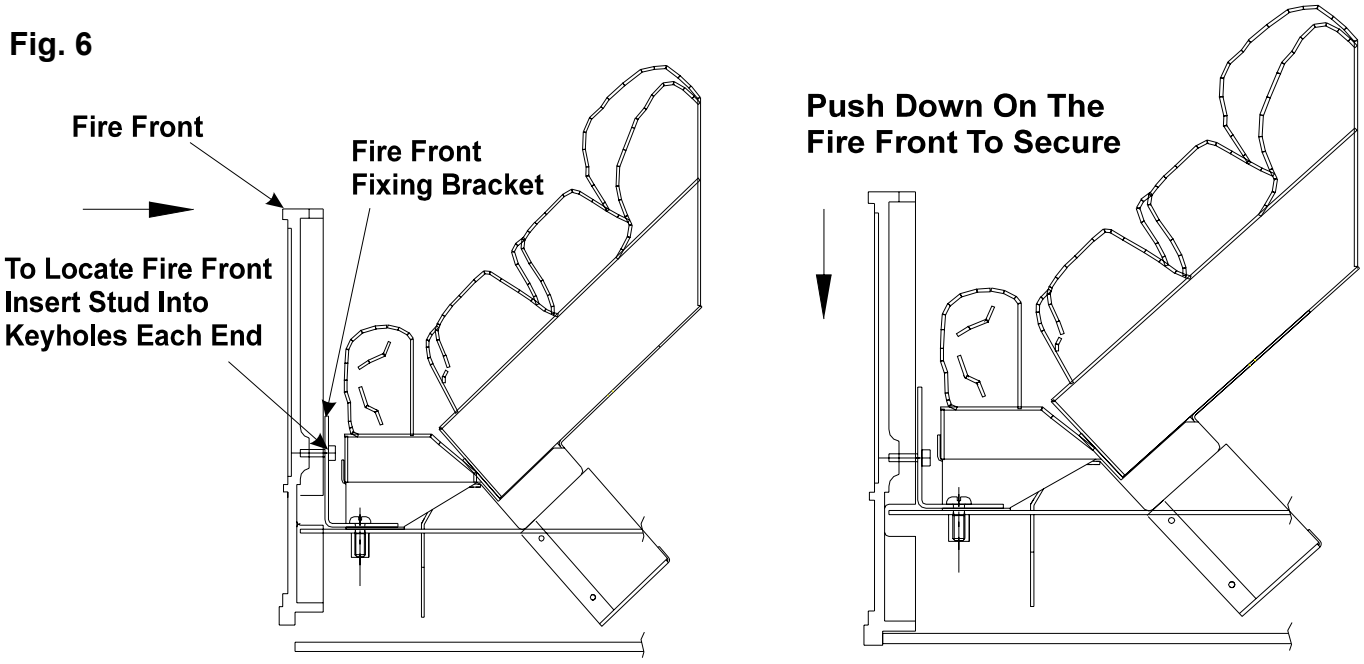


Place the left hand and right hand side coal supports onto the rear coal bed so that the wedged slope is towards the front. They should locate behind the front coal bed with the flat sections facing down and against the sides of the convector box.



Place the fire front in position without the ash pan cover ensuring that the studs (Horizontal, Sovereign, Basket and Classic front only) locate in the fire front fixing brackets (See Fig. 3) at the front of the burner tray. The studs on the Horizontal Front can also be adjusted in and out if needed. The Regency Front stands on the hearth in front of the fire touching the front of the burner tray / fire-box. The Horizontal Front can also stand in the same way.

Fig. 6

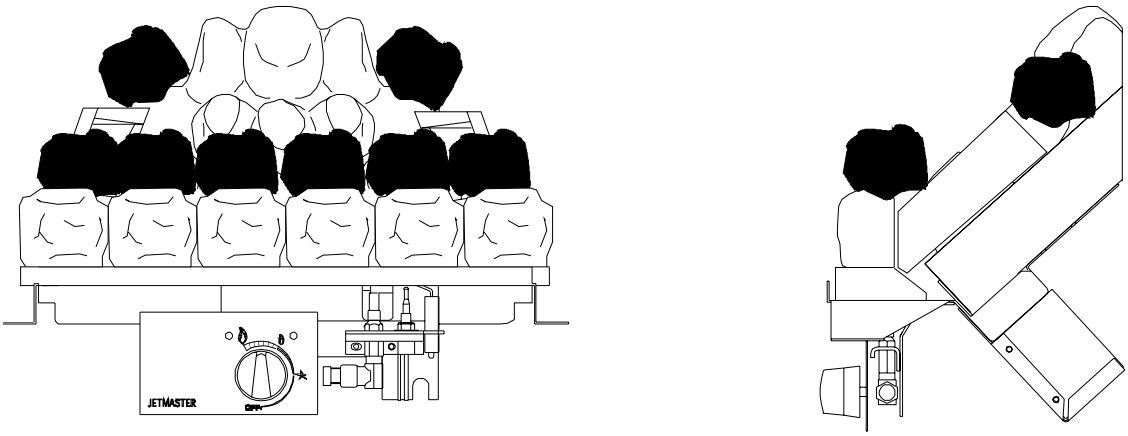


NOTE :- For clarity of the coal lay diagrams the fronts are not shown fitted to the burner.
The diagrams shown are of the manual controlled burner.

Lay a first row of :-

16” - 6 coals + 2 in recess
22” - 8 coals + 2 in recess
18”E / 18” - 7 coals + 2 in recess
25” - 9 coals + 2 in recess

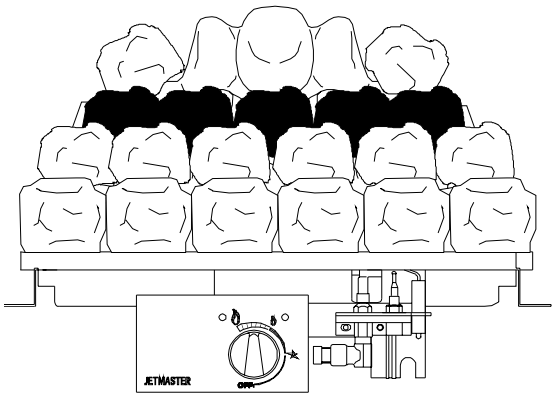
Position these coals behind the front row of coals attached to the front coal bed. These coals should bridge between the front row of coals and the rear coal bed. Then, place 1 coal each side In the recess at the top of each side support

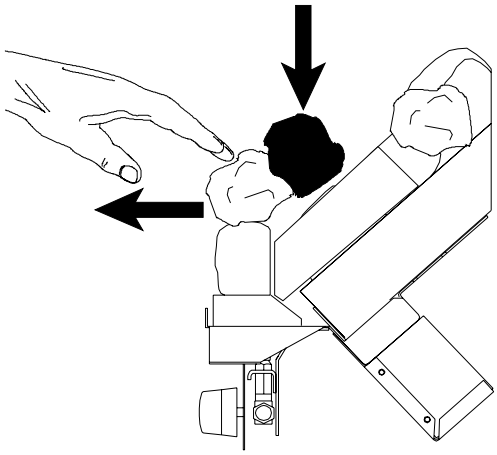


Lay a second row of :-

16” - 5 coals
22” - 7 coals
18”E / 18” - 6 coals
25” - 8 coals

This row of coals must lie behind the first row of coals previously laid and rest on the rear coal bed. To achieve this it will be necessary to hold the first row of coals forward. When the second row of coals are in place the first row of coals should now bridge between the front row of coals attached to the front coal bed and this second row of coals. The first row of coals must not be pushed too far forward so as to touch the rear of the fire front.

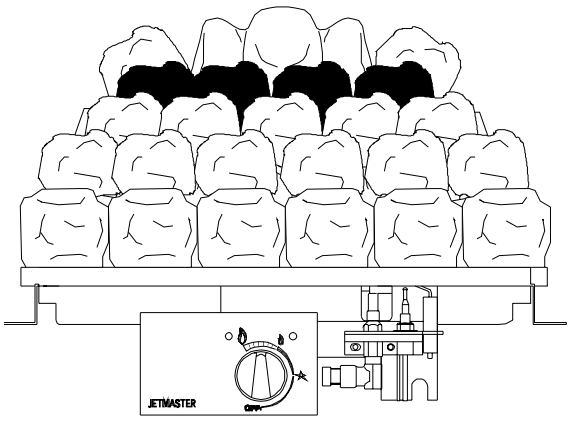


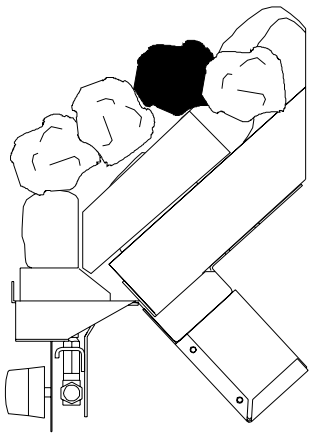


Lay a final row of :-

16” - 4 coals
22” - 6 coals
18”E / 18” - 4 coals
25” - 7 coals

This row of coals should lay behind the second row of coals previously laid. To achieve this it will be necessary to hold the second row of coals forward so as this final row of coals can locate in the valleys behind the second row of coals.





Ensure that once the coals have been laid there are even gaps between them. If a coal or coals appear to fit awkwardly in certain positions then it may be necessary to swap these around with others or relocate them by rotating to achieve an evenly spaced coal lay. This will ensure an even flame spread when the fire is lit.

Commissioning

- Turn gas supply OFF, remove inlet pressure test point screw and connect a suitable pressure gauge.
- Turn gas supply ON - check installation for gas soundness.

Burner Operation (Manual)

- Push the control knob in and turn anti-clockwise until the spark igniter operates.
- Repeat this operation to purge any air from the system until the pilot ignites.
- Keep the knob pushed in for 10-12 secs to energise the flame failure device.
- Release the knob, the pilot should remain alight.
- Depress the knob slightly and turn anti-clockwise as far as it will go to the MAX position. The fire should light.
- Check the setting pressure - 20.0 mb ± 1.0 mb (cold) MAX.
- Check for gas soundness at all joints with leak detection fluid.
- Turn the appliance OFF ● and turn off the gas supply to the fire.
- Remove the pressure gauge and replace the pressure test point screw.
- Check the pressure test point for gas soundness with the gas supply turned ON.

Burner Operation (Remote Control)

- If Remote Control fitted, point the handset to the sensor on the front of the fire. Push and hold the two ignition buttons together, on the left hand side of the handset. The fire will give out a beep sound and you can release the buttons. After a few seconds you will hear the clicking spark to the pilot light. Once the pilot is lit the fire main burner will come on to the high position (this whole process will take no more than 20 seconds).
- If the burner fails to light repeat this operation to purge any air from the system until the pilot and main burner ignites.
- Check the setting pressure - 20.0 mb ± 1.0 mb (cold) MAX.
- Check for gas soundness at all joints with leak detection fluid.
- Turn fire off by pointing the handset at the sensor and push the top left button. The fire will go out.
- Remove the pressure gauge and replace the pressure test point screw.
- Check the pressure test point for gas soundness with the gas supply turned ON.

Spillage Check (Fig. 7)

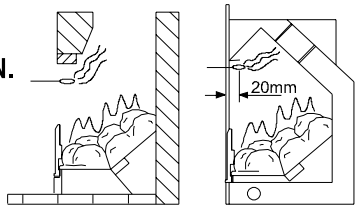
- Close all doors and windows in the room containing the fire.
- Light the fire as described in the User Instruction and turn control knob to MAX.
- Wait for 5 minutes.
- Introduce a smoke match and position it so that the tip is 20mm under the canopy.
- Traverse the full width of the canopy keeping the smoke match horizontal.
- NB It is recommended that the smoke match is fitted into a smoke match holder when checking for clearance of combustion products.
- Ensure that most of the smoke is drawn into the flue aperture.

  If in doubt wait a further 10 minutes and repeat the test.
- If there is a fan/extractor fitted in the property turn it full on and open all inter-connecting doors.
- The spillage test must now be repeated.

Fig. 7

SPILLAGE TEST IMPORTANT

CLOSE ALL DOORS AND WINDOWS IN THE ROOM. LIGHT THE FIRE AND TURN TO MAXIMUM POSITION. AFTER 5 MINUTES TRAVERSE THE PERIMETER OF THE FIRE OPENING OR CANOPY USING A SMOKE MATCH. MOST OF THE SMOKE MUST BE DRAWN INTO THE FLUE, IF IN DOUBT - REPEAT THE TEST AFTER A FURTHER 10 MINUTES. FOR FURTHER INFORMATION REFER TO INSTALLATION INSTRUCTIONS.



- If spillage is present and the optional flue restrictor plate was fitted to the rear of the box. Turn off the appliance, remove the box and the flue restrictor plate (Fig. 8) and repeat the spillage test.
- If spillage is still present there is insufficient flue pull which may be due to the following reasons:
  - · Fire improperly fixed to surround.
  - · Fireplace unsatisfactory.
  - · Coal beds or coals incorrectly laid.
  - · Chimney unsatisfactory (blockage etc).
  - · Insufficient air supply in the room (Ventilation).
- If after investigating the above and spillage is still present, disconnect the appliance from the gas supply and seek expert advice.

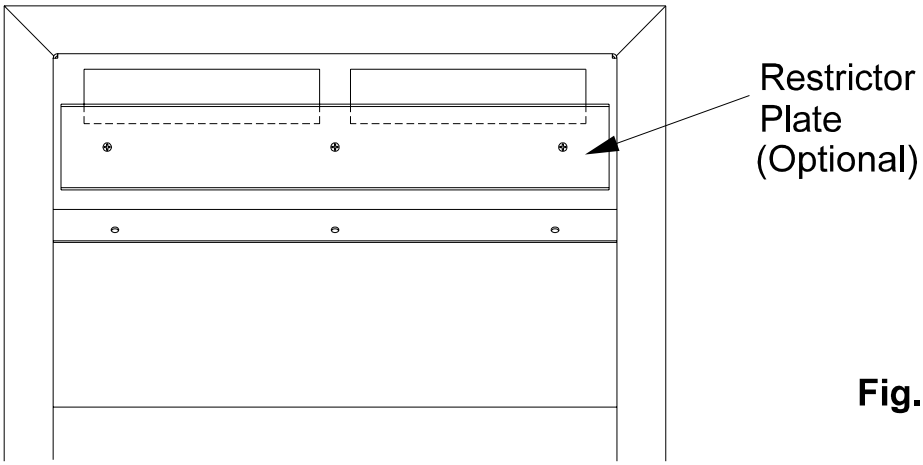


Fig. 8

Handing Over

- Read the Users instructions and instruct the user on the operation of the fire and cleaning methods. Leave instructions with the user.
- The user should be told that any odours are due to the newness of materials and should disperse after a few hours operation.
- The user should be informed that the fire should be serviced annually and the chimney checked for flue pull and blockage.

Users instructions

IF A GAS LEAK IS FOUND OR SUSPECTED TURN OFF THE GAS SUPPLY AT THE METER AND CONTACT YOUR INSTALLER OR GAS EMERGENCY SERVICE.

WARNING - NEVER HANG CLOTHES OR OTHER ITEMS OVER THE APPLIANCE.

General

THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE.

- This fire is intended for decorative purposes. The installation must be in accordance with National Regulations and must be carried out by a qualified installer.
- **DO NOT** throw paper, rubbish etc. upon the coals. Debris from any source or soot formed should be removed.
- The fire is suitable for hearth installation only. The hearth should be either non-combustible or a purpose made proprietary hearth with a temperature rating of 150°C. The height of the hearth should be at least 50mm above floor level, and at least 12mm thick.
- The fire surround should be flat around the sealing area of the fire. The hearth and fireplace opening must be flat and at the same level.
- If the fire is to be installed to a chimney previously used to burn solid fuel, the chimney should be swept before the appliance is installed.
- The use of blown vinyl or similar soft embossed wall coverings directly above the fire may lead to them being discoloured or scorched. Please bear this in mind when installing or decorating.
- Always turn the fire OFF and allow to cool before touching any parts except for the controls. Note that the coal bed will remain hot for a considerable length of time.
- Due to the newness of materials, the fire may give off a slight smell for a period after initial lighting. This is quite normal and any odours will disperse after a few hours use.
- The coal bed may change colour after a time, and small cracks may appear in the base coals or the loose coals. This does not affect the operation of the fire and is normal.
- The hot air outlet must not be obstructed by hanging clothing etc. over the hood. DO NOT touch the air outlet or hood when the fire is alight as this surface becomes hot.
- This fire has the additional safety feature of an oxygen depletion sensor pilot (ODS pilot) which turns OFF the gas supply if there is a build up of combustion products in the room. If the fire shuts itself off, do not use the fire and have the flue checked by a qualified person.

Safety information

IMPORTANT: A suitable Fireguard conforming to National Regulations should be used with this appliance to protect children, the elderly or infirm. Care should also be taken with pets.

In your own interest and that of safety, all gas appliances must be installed by competent persons. Installation must be in accordance with National Regulations. CORGI registered installers are required to work to recognised standards.

The chimney should be checked regularly to ensure correct evacuation of the flue products.

Any purpose-provided ventilation should be checked regularly to ensure that it is free from obstruction. This fire should be serviced regularly by a qualified person.

Lighting the fire

Manual version

The positions of the control valve are depicted on the control panel fitted around the control knob.

If the main burner or pilot light are extinguished for any reason, **do not attempt to relight the pilot within 3 minutes.**

The OFF ● position is self explanatory - preventing any gas from passing through the control valve to either the pilot burner or to the main burner.

By pressing the control knob in it is possible to turn it anti-clockwise. The first function is to turn on the gas to the pilot - this occurs just before reaching the PILOT position. (If the fire has not been lit for some time it may be necessary to hold the knob in this position for some seconds to clear the air from the pipe and allow gas to reach the pilot burner.) Once gas is available at the pilot, continued rotation anti-clockwise will cause the piezo igniter to spark. This is accompanied by a click at the valve, and should result in the pilot burner igniting.

Once the pilot is lit, the control knob should be held pressed in for 10-12 seconds. In this time the pilot flame will have heated the flame supervision thermocouple sufficiently to operate a hold-on magnet within the valve. The knob should then be turned so that the pointer is approximately vertical. This allows gas at a low rate to enter the burner and be ignited by the pilot flame. Once ignition has taken place, the fire may be set to any level between MAX. and MIN. by adjusting the control knob accordingly.

To turn off the main burner, turn the control to MIN. - press the knob in gently until it will turn clockwise to the PILOT position. To turn off the pilot press knob and turn to OFF ●

Thus the sequence is:

To light

1. Remove the ash pan cover.
2. From OFF ● press the control knob in and turn slowly anti-clockwise.
3. When the ignition click occurs check that the pilot is lit. (If not repeat 2 and 3).
   (If the ignition system fails the appliance may still be lit using a taper to ignite the pilot, instead of the spark. The taper should be introduced between the front and rear bed coals on the right hand side).
4. Hold the knob in for 10 - 12 seconds.
5. Release knob and check pilot remains alight.
6. Turn knob until pointer is vertical, the fire should then ignite.
7. Adjust flames to required level without pressing the knob.

To extinguish

1. Turn control knob clockwise to MIN. position.
2. Press knob gently until able to continue turning clockwise to PILOT.
3. To extinguish the pilot, press knob and turn to OFF ●, although it is in order to leave the pilot permanently lit.

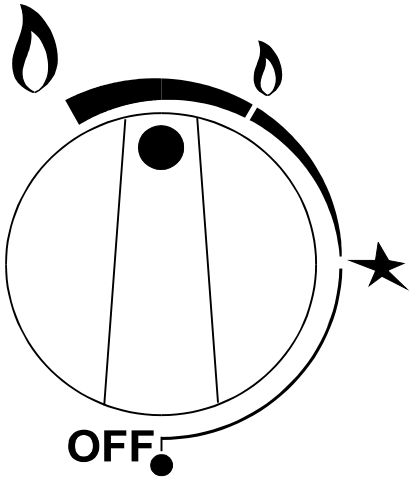


Fig. 9

Remote Control Version

1. To light the fire, point the handset to the sensor on the front of your fire. Push and hold the two ignition buttons together, on the left hand side of the handset. The fire will give out a beep sound and you can release the buttons. After a few seconds you will hear the clicking spark to the pilot light. Once the pilot is lit the fire main burner will come on to the high position (this whole process will take no more than 20 seconds).

2. If burner fails to light repeat operation 1 to purge any air from the system until the pilot and main burner ignites. (Particularly if the fire has not been lit for some time, this will be necessary to clear the air from the pipe and allow gas to reach the pilot burner.)
3. To turn down the fire, point the handset to the sensor on your fire then push and hold the minus button (small flame), the fire will give out a beep sound. If you release immediately the flame will go to low. If you hold, the flame will lower slowly and you can release the button to your desired position.
4. To turn the fire up, point at the sensor, push the plus button (large flame), the fire will give out a beep sound. If you release immediately the flame will go to high. If you hold, the flame will higher slowly and you can release the button to your desired position.
5. The fire may be left in the standby mode (pilot only) by pressing the small round button on the handset.
6. To turn your fire off, point the handset at the sensor and push the top left button marked ●. The fire will go out.
7. The fire has an additional **safety OFF button**. This allows the fire to be turned off in the event of the remote control handset being lost or mislaid. The button is located on the right hand side of the fire front control panel. (The ash pan cover must be removed first to see the button)
8. To turn off with the safety button. Remove the ash pan cover, then press and hold the black button marked **OFF** for **30 seconds**. The fire will go out.
9. The fire can only be relit using the remote control handset.
10. If at any time the sequence will not start then press the off ● button and restart at operation 1.

Note:
1. The handset buttons need to be held for 1 to 2 seconds for the signal to activate the fire.
2. When the battery power is becoming low the beeping sound will continue every time you use the fire, please contact your supplier to arrange for a new Lithium battery pack.

Cleaning instructions

IMPORTANT -

TURN OFF THE FIRE AND ALLOW IT TO COOL BEFORE COMMENCING CLEANING.

To maintain the finish on Decorative Trims.

The high quality finish needs careful handling to avoid scratching.
There is no lacquer on the burnishing, satin steel or brass since the heat of the fire will discolour it.

Day to day cleaning can be carried out by wiping with a soft damp cloth.
However, as with any natural metal, tarnishing will occur and this should be kept bright using a non–abrasive metal polish applied with a soft cloth. Always polish with the grain of the material.

Any finger marks should be polished out as these will cause tarnishing if left.

Cleaning the fuel bed

Note: Due to the fibre material used in the fuel bed it is inevitable that cleaning/replacement can be a dirty and dusty operation. Suitable precautions should be taken.

1. Turn off the fire and allow to cool.
2. Carefully remove all the coals by hand and remove any soot deposits with a soft brush. **Do not wash the coals as this will cause damage. Do not use a vacuum cleaner.**
3. Carefully replace the coals as described in ‘coal lay’.

IMPORTANT

Do not use the fire with broken or missing loose coals, rear, front or side coal beds.
Never add any extra coals above the number stated in these instructions. This could cause a safety hazard. Only the fuel bed parts supplied with the appliance or authorised Jetmaster replacements must be used.

Servicing instructions

To ensure safe, efficient operation of the appliance, it is necessary to carry out routine servicing at regular intervals.

The fire must be inspected/serviced by a competent person e.g. CORGI registered.

The fire must be serviced annually but under particular installation conditions it may be required more frequently.

IMPORTANT

Before commencing any servicing or exchange of components, always turn off the gas supply. Ensure the appliance is cold.

After servicing always check for gas soundness and if the appliance has been removed carry out a spillage check.

The pilot and flame sensing device fitted to this fire is also an atmosphere sensing device. If for any reason any part of the pilot assembly is to be replaced ALL the assembly including the pilot burner, thermocouple, electrode and injector must be exchanged complete for an original manufacturers pilot assembly. This atmosphere sensing device is not adjustable and must not be put out of action.

Routine annual servicing

1. Check the appliance is clean and free from soot and lint.
2. Carefully remove the coals and ceramics and clean using a soft brush. **Do not wash the coals or use a vacuum cleaner.**
3. **It is essential when relaying the coals that only the correct number of coals are used and that they are laid in accordance with the coal lay diagrams**.
4. Remove the front and ash pan cover. Clean any lint from the front and ash pan cover.
5. On remote control versions remove the screw holding the P clip and infrared sensor.
6. On remote control versions disconnect the battery by pulling apart the plastic connector situated along the battery lead. Remove the battery.
7. Slacken the 2 screws (1 each side) securing the burner and the fire front fixing brackets to the fire box if applicable depending on fire front fitted (fig. 3). Remove the fire front fixing brackets and place to one side.
8. Break the gas supply at the inlet isolation cock/pressure test point elbow.
9. Slide the burner forwards/rearwards and lift the burner upwards at the front so as the burner location tags clear the heads of the screws. Remove the burner tray and place to one side.
10. Break the connection at the injector inlet.
11. Unscrew the burner cap, via 2 screws under rear coal bed, remove cap and ceramic seal located at each end. Clean cap.
12. Unscrew the injector from the retainer nut and clean the injector - **Do not** use a needle.
13. Remove any lint from the lint guard and pilot assembly particularly around pilot aeration hole.
14. IMPORTANT - The pilot/thermocouple assembly is not serviceable and must be replaced together if either thermocouple or pilot are faulty.
15. Remember this is an oxygen depletion pilot designed to trip the pilot if there is a build up of combustion products in the room. So if the pilot is tripping out check for spillage/down draught, pilot filter or flue blockage before replacing the pilot.
16. Reassemble in reverse order. Ensuring that a new ceramic paper seal is located at the front of the burner cap each end. See fig. 11. page 25
17. Ensure pilot shield is correctly located.

18. Ensure remote infrared sensor correctly located and operating. If in doubt refer to section on positioning the sensor.

Note - Any surface cracks visible on the coal bed are normal and will not affect operation.

Component Replacement

Use only the components specified in the short spares list.

Always remove the front, ash pan cover and in the case or the remote control the battery before commencing removal of parts.

Pilot/Thermocouple Assembly

This is not a serviceable item both the thermocouple and pilot should be replaced together.

- Remove burner tray (see Servicing).
- Remove the lead from the pilot spark igniter.
- Break the gas pipe connection to the pilot.
- Remove the pilot shield by pulling upwards, then the lint guard by pulling off forward.
- Unscrew pilot assembly from burner tray (2 screws).
- Unscrew thermocouple nut from rear of gas tap.
- (Remote Control version) Pull off the electrical terminals from the EDB control box.
- Replace and re-assemble in reverse order.
- Ensure spark gap is 4mm and burner alignment is correct.

Injector

- Remove burner tray (see Servicing).
- Break the gas connection at the injector inlet.
- Unscrew the burner cap, via 2 screws under the rear coal bed. Remove cap and ceramic seal located at each end.
- Unscrew the injector from the retaining nut.
- Replace and re-assemble in reverse order. Ensuring that a new ceramic paper seal is located at the front of the burner cap each end. See fig. 11. page 25

Gas Tap and Piezo Unit Manual Version and Gas Tap Remote Control Version

- Remove burner tray (see Servicing).
- (Manual version) Remove control knob then the 2 screws holding the control panel. Remove control panel.
- Unscrew thermocouple from the rear of the control tap.
- Remove the lead from the pilot spark igniter.
- Break the 3 gas pipe connections to the tap and remove the pilot filter.
- (Manual version) Remove the locknut securing the tap to the mounting bracket.
- (Remote Control version) Remove the 2 screws holding the tap to the burner tray.
- (Remote Control version) Remove valve by pulling connector out of the EDB.
- Replace and re-assemble in reverse order.

Remote Control EDB Box Replacement (Fig. 10)

The EDB can be removed without disconnecting the gas supply.

- Remove the sensor mounting screw and P clip.
- Disconnect the battery by pulling apart the plastic connector situated along the battery lead.
- Remove the battery.
- Remove the 2 screws holding the front panel. Remove panel.
- Remove screw holding heat shield and EDB to the burner.

- Pull EDB attached to heat shield forward out of the burner.
- Remove all the Connections from the EDB for ignition lead, thermocouple, valve, infrared sensor, battery and dummy switch.
- The EDB can now be removed from the heat shield by removing the 4 nuts.
- The 8 spacer nuts and screws can now be removed from the EDB.
- **Note - The 8 spacer nuts and screws must be fitted to the replacement EDB to ensure that it is spaced away from the heat shield.**
- Re-assemble in reverse order ensuring all connectors are correctly fitted.
- Ensure pilot shield is correctly located.
- Ensure remote infrared sensor correctly located and operating. If in doubt refer to section on positioning the sensor.

Remote Control Sensor

The Sensor can be removed without disconnecting the gas supply or removing the EDB.

- Remove the sensor mounting screw and P clip.
- Disconnect the battery by pulling apart the plastic connector situated along the battery lead.
- Remove the battery.
- Remove the 2 screws holding the front panel. Remove panel.
- Remove sensor by pulling connector out of the EDB.
- Replace sensor and re-assemble in reverse order.

Remote Control Safety Switch, Dummy Switch and Ignition Lead Replacement

The above can be removed without disconnecting the gas supply.

- Follow section on Remote Control EDB Box Replacement.

Fig. 10

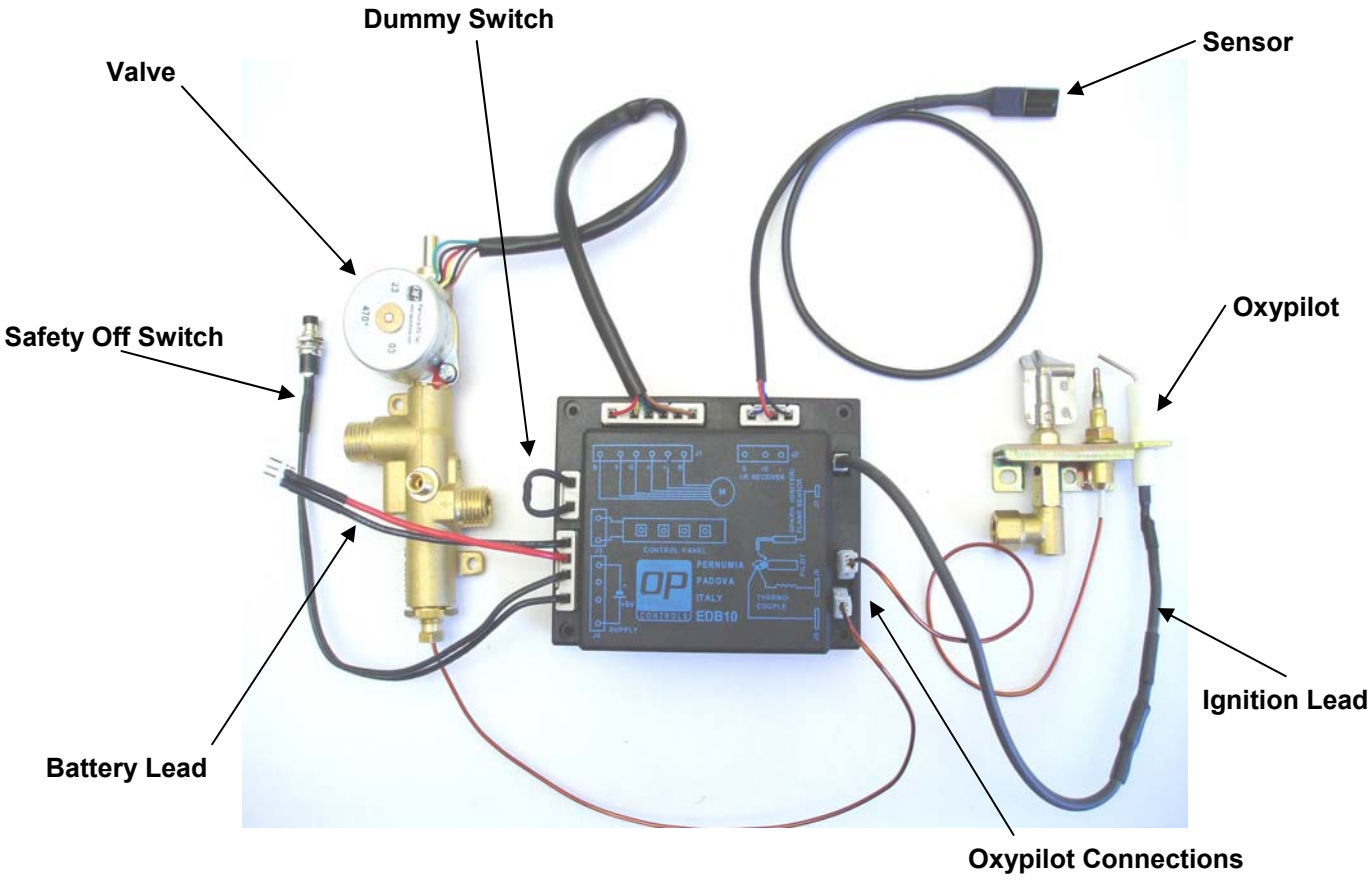
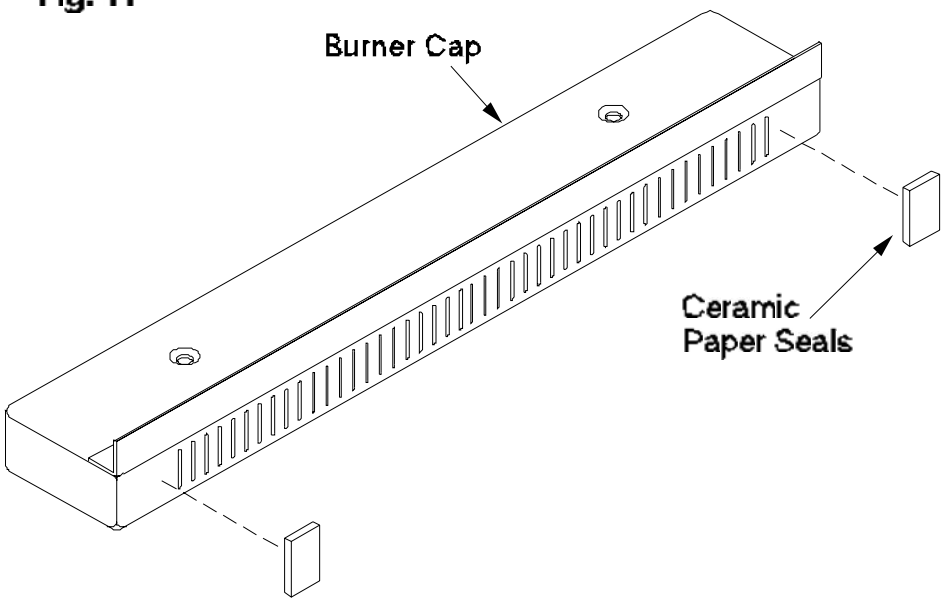


Fig. 11



Changing the batteries - Remote Control

Battery life will vary according to the frequency of use, in most cases this should be several months.

There is no risk of electric shock as the batteries are of low voltage.

Handset battery

Always use sealed long life alkaline batteries

Type - PP3, 9 volts sealed long life **Alkaline.**

Fire battery

The battery at the fire is a special battery and must always be replaced with the same battery obtainable from your fire supplier.

Type - Battery Pack 2xD, 7.2 volts sealed long life **Lithium (Fig. 5g)**

1. Turn your fire off by pointing the handset at the sensor and push the top left button. The fire will go out. Allow the fire to cool.
2. Before commencing remove the ash pan cover and in the case of the 16” the fire front.
3. The battery is located underneath the burner on the left hand side of the fire.
4. Pull the battery forward out to the front of the fire and carefully disconnect the battery by pulling apart the plastic connector situated along the battery lead.
5. If the battery proves difficult to pull forward the fire front should be removed to enable greater access.
6. Remove exhausted battery and replace, ensuring that the connector is correctly connected.
7. Refit the battery under the burner ensuring that the battery lead is facing downwards and away from the underside of the burner. (To prevent the lead from touching a hot surface)
8. The battery should sit on the floor of the convector box as far forward and left as possible just behind the fire front.
9. Replace the ash pan cover and fire front if applicable.
10. Ensure infrared sensor has not been disturbed and still has direct line of sight when operating the handset.
11. Check operation of the fire after re-lighting in the manner described in ‘Lighting the fire’.
12. Dispose of spent batteries safely. Do not place in a fire or incinerator.

Spares List

Description	Company Part	Qty
Rear Coal Bed 16”	106006/0	1
Rear Coal Bed 18”E / 18”	106007/0	1
Rear Coal Bed 22” & 22”X	106008/0	1
Rear Coal Bed 25” & 25”X	106009/0	1
Front Coal bed 16”	106355/0	1
Front Coal Bed 18”E / 18”	106356/0	1
Front Coal Bed 22” & 22”X	106357/0	1
Front Coal Bed 25” & 25”X	106358/0	1
Left Hand Side Coal Support	106320/0	LH
Right Hand Side Coal Support	106321/0	RH
Loose Coal Set 16”	106012/0	17
Loose Coal Set 18”E / 18”	106012/0	19
Loose Coal Set 22” & 22”X	106012/0	23
Loose Coal Set 25” & 25”X	106012/0	26
Oxypilot Assembly Complete (SIT OP9039) Manual	106359/0	1
Oxypilot Assembly Complete (SIT OP9079) Remote Control	106516/0	1
Lint Guard	106370/0	1
Pilot Filter Manual	106021/0	1
Control Tap - Isphording (GH687-001-001) Manual	106018/0	1
Control Tap Knob Manual	106024/0	1
Remote Control Valve - SIT	106511/0	1
Remote Control Ignition Lead	106519/0	1
Remote Control Electronic Box - EDB	106524/0	1
Remote Control Handset	106521/0	1
Remote Receiver (Sensor)	106518/0	1
Battery Pack 2xD 7.2 volts sealed long life Alkaline	106520/0	1
Battery Cable with Safety Switch	106523/0	1
P Clip, Retaining Screw and Double Sided Tape - For sensor mounting	106527/0	1
Burner Cap Seal Kit 16” - Comprising :- Ceramic Base Seal Ceramic End Seals (2), Burner Cap Retaining Screws (2)	106360/0	1
Burner Cap Seal Kit 18”E / 18” - Comprising :- Ceramic Base Seal Ceramic End Seals (2), Burner Cap Retaining Screws (2)	106361/0	1
Burner Cap Seal Kit 22” & 22”X - Comprising :- Ceramic Base Seal Ceramic End Seals (2), Burner Cap Retaining Screws (2)	106362/0	1
Burner Cap Seal Kit 25” & 25”X - Comprising :- Ceramic Base Seal Ceramic End Seals (2), Burner Cap Retaining Screws (2)	106363/0	1
Burner/Fire Front Fixing Bracket Retaining Screw	106372/0	2
Ceramic Rope Seal	105035/0	3MTR

Our policy is one of continual advance in the quality of our products. Thus strict accuracy of illustrations and descriptions cannot be guaranteed. We reserve the right to change this specification without notice. The statutory rights of the consumer are not affected.
This appliance conforms with the following EEC directives:
Gas Appliances 90/396/EE

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