on a non-combustible hearth at least 300mm (12in.) measured from the closure plate to the hearth front.

12. Level the fire by slackening the lock nuts on the levelling screws (situated behind the bottom of the front casting) and turning the levelling screws up or down with the screw heads bearing on the floor. After ensuring that the fire is level and square with the wall, re-tighten the lock nuts.
13. Prepare a suitable gas supply point adjacent to the fire. Connection to the fire can be from the side or from the rear. Provision for isolation of the gas supply adjacent to the fire must be provided for safety and servicing. The supply pipe must be of rigid material (e.g. copper). On no account must a flexible connection be made.
14. Fit the gas supply connector.
    Two alternative types are supplied - A straight connector for side entry and an elbow connector for rear entry.
    Connection is Rp1/4
    (¼in. B.S.P.).

TEST FOR SOUNDNESS

Pressure test the installation pipework for gas soundness (B.S. 6891: 1988).

CONNECT TO THE ELECTRICITY SUPPLY

(Fig. 13)

WARNING: THIS APPLIANCE MUST BE EARTHED.

The appliance is supplied for left hand connection. For right hand connection see Section 6 of "Prepare the Fire" (above).

This appliance is suitable for use on 230Vac 50Hz mains only. The wires in the mains lead used on this appliance are coloured in accordance with the following code:-

Green and Yellow ..... Earth
Blue ..... Neutral
Brown ..... Live

As the colours on the wires in the mains lead of this appliance may not correspond with the markings on the plug terminals connect as in the table below.

Colour of Wire	Plug Marking
Green & Yellow	⏚ or E or Green or Green & Yellow
Brown	L or Brown or Red
Blue	N or Blue or Black

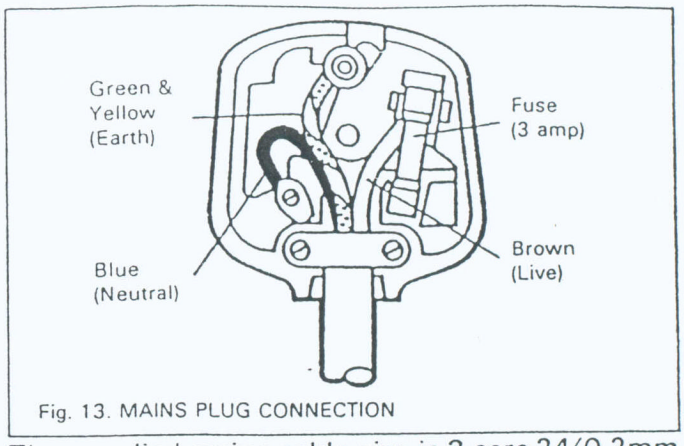


Fig. 13. MAINS PLUG CONNECTION

The supplied mains cable size is 3 core 24/0.2mm P.V.C. sheathed to B.S. 6500.

The appliance is fitted with a 13 amp plug (B.S. 1363) including a 3 amp fuse. If this is replaced by a 13 amp plug (B.S. 1363) or if any other plug is used, a 5 amp fuse must be used either in the plug or adaptor or at the distribution board in order to protect the appliance.

The method of connection to the electricity supply must facilitate complete isolation and should, preferably, be via a fused three-pin plug and unswitched, shuttered socket, both complying with the requirements of B.S. 1363.

Alternatively, connection may be made via a fused, double-pole isolator having a contact separation of at least 3mm in all poles and supplying the appliance only.

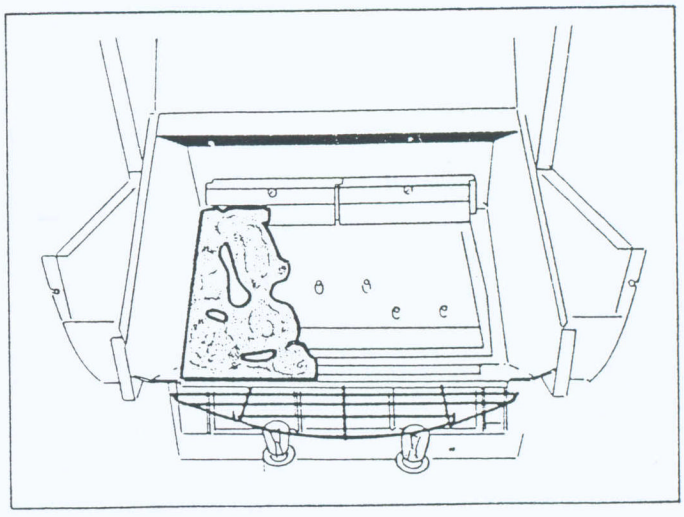
ASSEMBLE THE DECORATIVE FUEL BED

Each coal piece has a number stamped on it which corresponds with the number referred to in the following assembly instructions. **When in position, these numbers must face downwards.**

The side cheeks are stamped R.H. and L.H.

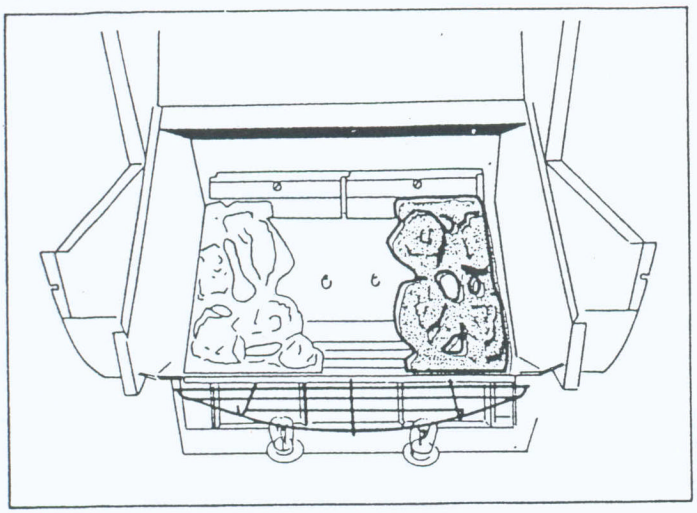
The appliance is supplied with the ceramic coal support pad fitted. Make sure that it is correctly located under the lip on the front rail and under the back bricks. Make sure that it is not broken.

1. POSITION COAL No.1



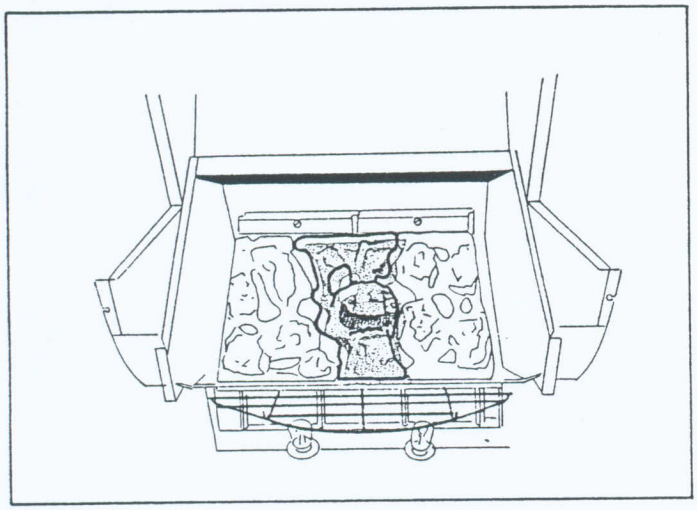
Place coal No. 1 at the left side of the bed with its front edge resting on top of the front rail above the burner and with its rear edge locating in the groove in the back brick.

2. POSITION COAL No. 2



Place coal No. 2 at the right side of the bed with its front edge resting on top of the front rail above the burner and with its rear edge locating in the groove in the back brick.

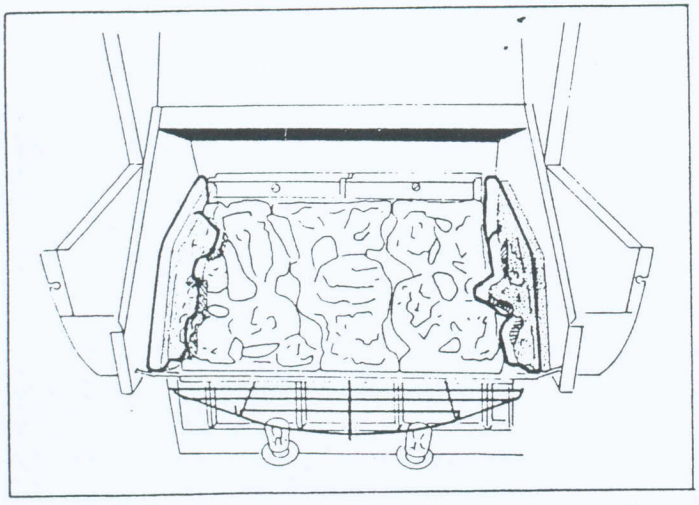
3. POSITION COAL No. 3



Place coal No. 3 in the centre of the bed with its front edge resting on top of the front rail above the burner and with its rear edge locating in the groove in the back brick.

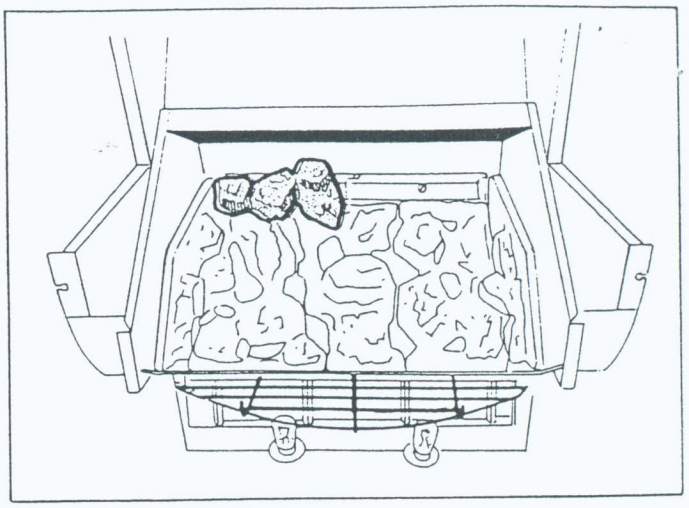
Push the three coal pieces together sideways to centralise them.

4. POSITION THE SIDE CHEEKS



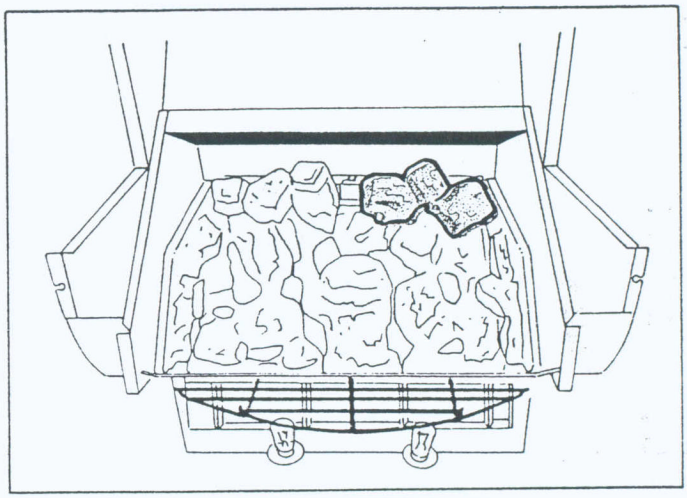
Place the left and right side cheeks in position against the sides of the fire box and between the firebox sides and outer edges of the coals.

5. POSITION COAL No. 4



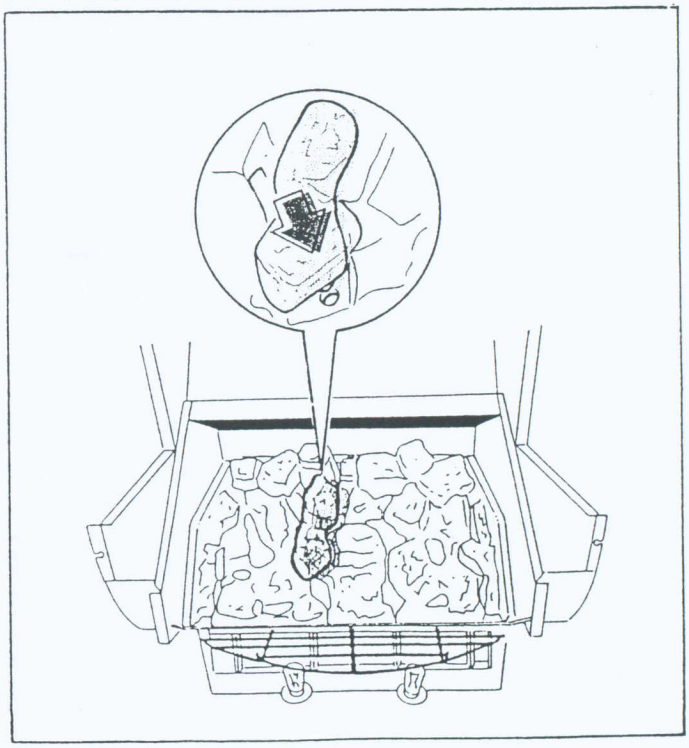
Locate coal No. 4 over the back portion of coal Nos 1 and 3 and so that it touches the back brick. The projecting peg on coal No. 4 must be at the right hand end.

6. POSITION COAL No. 5



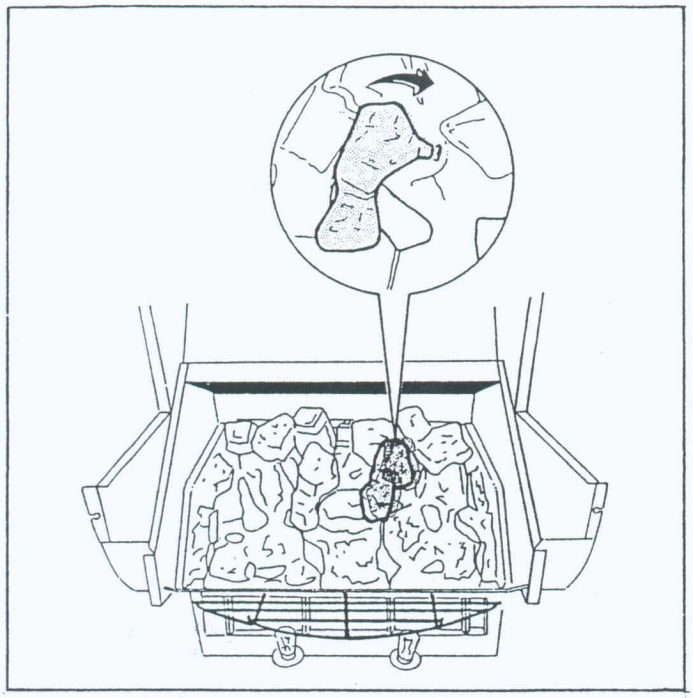
Locate coal No. 5 over the back portion of coal Nos 2 and 3 and so that it touches the back brick.

7. POSITION COAL No. 6



Place the rear of coal No. 6 over the innermost portion of coal No. 4 with the locating peg on coal No. 4 seated in the location hole at the rear of coal No. 6. The front of coal No. 6 should rest between coal Nos 1 and 3. The peg situated underneath the front right corner of coal No. 6 locates into the hole in the step at the left side of coal No. 3.

8. POSITION COAL No. 7



Place the front of coal No. 7 over the centre right portion of coal No. 3 with the locating peg on coal No. 3 seated in the location hole at the front of coal No. 7.
The peg at the rear right side of coal No. 7 locates in the hole in the step near the rear left of coal No. 2.

REPLACE THE GLASS PANEL

Slide the front of the glass panel to locate in the locating brackets on the firebox sides. Fit and tighten the thumb screws.

COMMISSION THE FIRE

1. CHECK THE IGNITION

Ignition is by piezo-electric spark produced by depressing the ignitor push button located adjacent to the control knob at the lower right hand side of the fire.

To ignite:-

(a) Push in and turn the control knob anti-clockwise to the 1/IGN position. Hold the control knob in as far as it will go and wait for a few seconds.

(b) While still holding the control knob in, press the ignitor button several times.

(c) Continue to hold the control knob in for a further five seconds. On releasing the control knob, the fire should remain alight as described under 1/IGN in the control settings table below. If the burner does not ignite after ensuring that the air has been purged, check that the electrode gap is as shown in fig. 14 (See servicing section for access to the electrode).

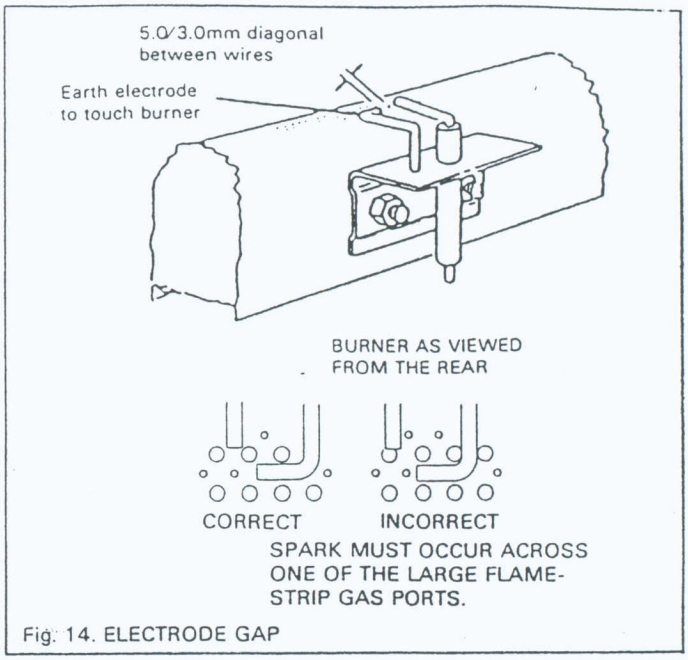


Fig. 14. ELECTRODE GAP

2. CHECK ALL CONTROL SETTINGS

Turn the control knob initially to setting No. 4 then check that the burners are correctly alight at all settings as follows:-

Control Knob Setting	Main Burner	Decorative Burners
1/IGN	Centre section only full on	2 upper (rear) and 2 lower (front) only on
2	Centre section full on Outer sections on low	All on
3	Centre and outer sections full on	All on
4 (Warm up)	Centre and outer sections full on	All off

To turn OFF:-
Push the control partially in, turn clockwise to OFF and release the knob. If any resistance is experienced at the 1/IGN position release the knob before turning to OFF.

3. CHECK THE REFERENCE PRESSURE

The burner aeration is non-adjustable.
The appliance is pre-set to give the correct heat input on Natural Gas at 20mbar (8in w.g.) inlet pressure and no further adjustment is necessary. Maximum heat input is 6.15kW

(21,000 Btu/h). The burner pressure should be checked at the pressure test point located on the pipe connecting the gas tap to the main burner outer sections. The pressure check should be carried out with the fire alight and the control knob at setting 3.

The COLD pressure setting should be 18.5 ± 1.0 mbar. (7.4 ± 0.4in. w.g.)
The injectors fitted are:-

Upper-Bray Cat. 77 size 120
Lower-Bray Cat. 77 size 220

After checking the pressure, turn off the fire, remove the pressure gauge and replace the pressure test sealing screw and washer. Re-light the fire and test all gas joints for soundness using a suitable detection fluid.

COMPLETE THE ASSEMBLY

1. Re-place the front casting by re-fitting the four knurled nuts behind the casting.
2. Position coal No. 8 centrally on the wire grid located above the bulbs (Fig. 15).

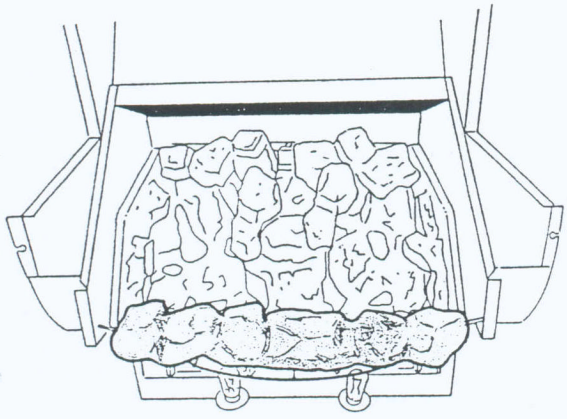


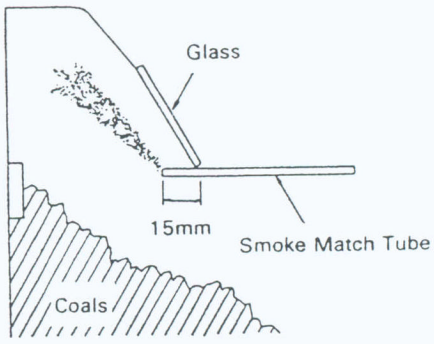
Fig. 15. COAL No. 8 POSITION

3. Re-fit the dressguard.
4. Replace the firebox frame.

TEST FOR SPILLAGE

A SPILLAGE TEST MUST BE MADE BEFORE THE INSTALLED FIRE IS LEFT WITH THE CUSTOMER. CARRY OUT THE TEST IN THE FOLLOWING MANNER.

1. Close all doors and windows in the room containing the fire.
2. Light the fire and set the control to No. 3 position.
3. After ten minutes test by holding a lighted smoke match in the position shown in fig. 16. The installation is satisfactory if smoke is drawn in to the rear of the fire. If the smoke is not drawn in, leave for a further ten minutes and then repeat the test. If the smoke is still not drawn in, remove the fire and inspect the sealing of the closure plate. If this is satisfactory, remove the spigot restrictor, if fitted, re-fit the fire and re-check for spillage. If spillage persists, the chimney may require attention DISCONNECT THE FIRE AND SEEK EXPERT ADVICE.
4. Open all doors and windows and re-check as above. If an extractor fan is installed in the same room as the fire or a connecting room, check that spillage does not occur with the fan operating and all doors between the fan and the fire open.



Place end of smoke match tube 15mm inside lip of glass and 50mm from L.H. or R.H. side.

Fig. 16. SPILLAGE TEST

CHECK ELECTRIC LIGHTING

Connect the electric cable to the mains supply and switch the lighting unit on. Check that the lighting is satisfactory. In the event of any electric fault, refer to the Preliminary Electrical Systems Check at the back of these instructions. Use a British Gas Multimeter or other equivalent instrument. Carry out the checks as described in these instructions or as described in the instructions supplied with the instrument.

MAKE FINAL CHECKS AND INSTRUCT USER

Re-check the ignition and operate the fire on all settings.

Instruct the user on the correct operation of the fire and especially advise that:-

1. The control knob must be pressed in before turning anti-clockwise.
2. To light the fire, the control knob must be turned to the 1/IGN position and the ignition button depressed. Explain the lighting and control position sequence and how to turn off.
3. **The fire should be set to position 4 (Warm Up) for an initial ten minutes and that this position should be used occasionally to burn off any soot deposits before a build-up affects the decorative flame appearance.**
4. The fire can be lit with a spill or taper, if necessary.
5. The glass panel and dressguard should always be in place when the fire is on.
   If the glass is damaged, the fire should be switched off and not used until the glass panel is replaced.
6. The glass panel can be removed for cleaning and the coals can be reset, if dislodged. Explain how to remove and replace the firebox frame, glass panel and dressguard and point out that the coals must be re-fitted as described in the users instructions.