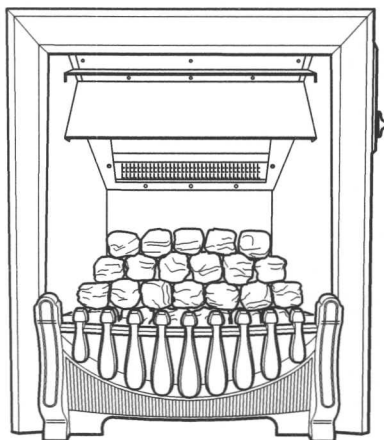


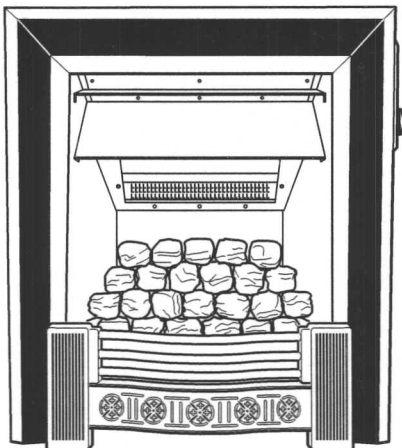
Glow-worm Instructions for Use

To be left with the user

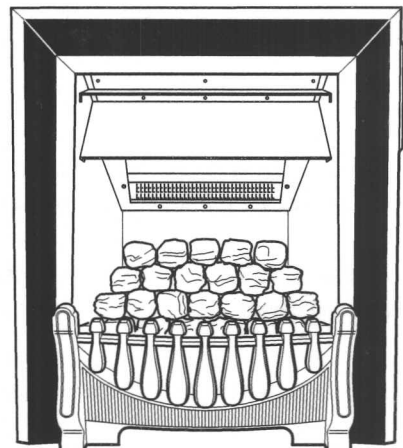
**Brass Chatsworth BBU
with Brass - Standard
frame**



**Brass Dovedale BBU
with Brass / Black
frame**



**Silver Chatsworth BBU
with Silver / Black
frame**



6520

Used with
**Glow-worm Inset BBU 40 and
Glow-worm Inset BBU 50**

The instructions consist of three parts, Installation and Servicing Instructions for the Back Boiler Unit, Installation and Servicing Instructions for the Fire Front and Instructions for Use, which includes the Guarantee Registration Card. The instructions are an integral part of the appliance and must, to comply with the current issue of the Gas Safety (Installation and Use) Regulations, be handed to the user on completion of the installation.

Guarantee Registration

Thank you for installing a new Glow-worm appliance in your home.

Glow-worm appliances' are manufactured to the very highest standard so we are pleased to offer our customers' a Comprehensive First Year Guarantee.

Attached to the back of these instructions is your Guarantee Registration Card, which we recommend you complete and return as soon as possible.

If this card is missing you can obtain a copy or record your registration by telephoning the Heatcall Customer Service number 01773 828100.

Our Guarantee gives you peace of mind plus valuable protection against breakdown by covering the cost of:

- ☒ **All replacement parts**
- ☒ **All labour charges**
- ☒ **All call-out charges**

HEATCALL

Customer Services:

Tel: (01773) 828100

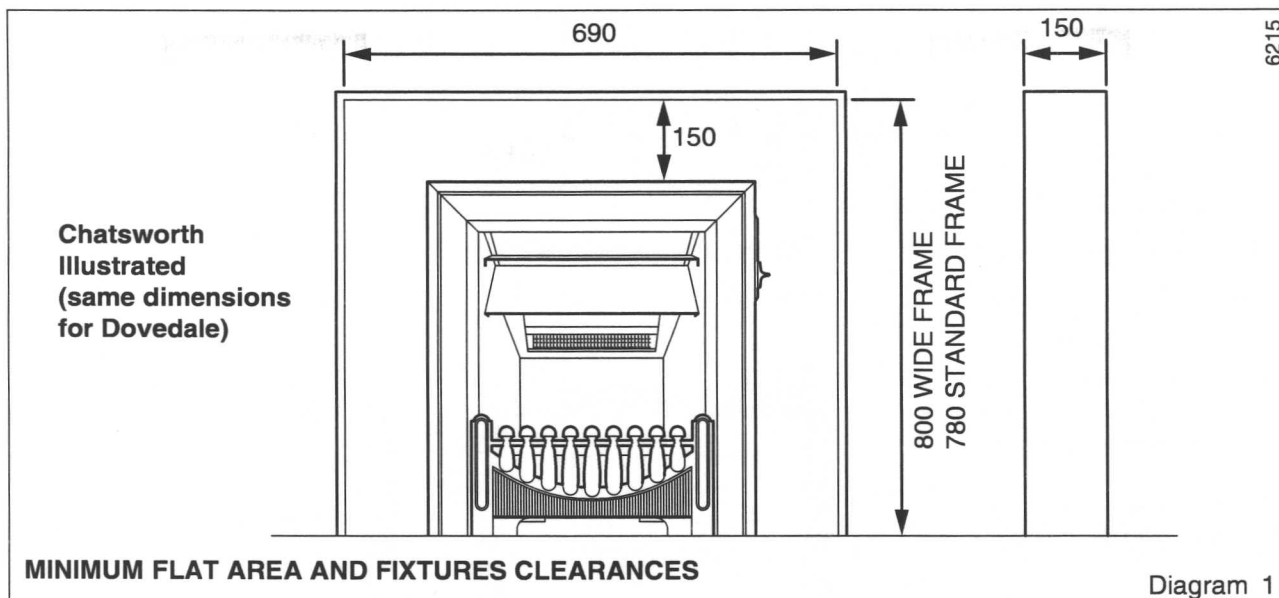
One Contact Local Service Fax: (01773) 828070

Hepworth Heating Ltd.,
Nottingham Road, Belper, Derbyshire. DE56 1JT
General/Sales enquiries:

Tel: (01773) 824141 Fax: (01773) 820569

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The Gas Safety (Installation and Use) Regulations

In your interests and that of safety it is the Law that ALL gas appliances are installed by a competent person in accordance with the current issue of the above regulations.

CE Mark

The boiler meets the requirements of Statutory Instrument, No. 3083 The Boiler (Efficiency) Regulations, and therefore is deemed to meet the requirements of Directive 92/42 EEC on the efficiency requirements for new hot water boilers fired with liquid or gaseous fuels.

Type test for purposes for Regulation 5 certified by: Notified body 0086.

Product/production certified by: Notified by 0086.

1. Directive 90/396/EEC on the approximation of the Laws of the Member States relating to appliances burning gaseous fuels.
2. Directive 73/23/EEC on the harmonization of the Laws of the Member States relating to electrical equipment designed for use within certain voltage limits.
3. Directive 89/336/EEC on the approximation of the Laws of the Member States relating to electromagnetic compatibility.

Glow-worm Dovedale BBU or Chatsworth BBU with Glow-worm BBU 40 or BBU 50.

These instructions should be read and carefully followed for the safe and economical use of your combined fire front and central heating boiler.

The fire front can be used only with a special Glow-worm Inset 40 or 50 Back Boiler Unit.

Note: Wherever the wording "wide frame" is used, it refers to either the brass/black frame or the silver/black frame.

The fire front and back boiler must be installed as a complete appliance.

The boiler and fire front can be used either together or independently.

In the event of a power failure the fire front can still be used on its own, see "Lighting the Fire Front".

Important Notice

This appliance is for use only on G20 gas.

A slight smell may occur, for a short time, after initial lighting, this is quite normal and it will quickly disappear.

With a little use the interior of the fire front will discolour and acquire the appearance of a solid fuel fire.

CAUTION: Combustible furniture or materials should not be placed closer than 1metre radius in front of the fire front, refer to diagram 1 for side clearances.

Clothing or other flammable material must not be placed on the fire front castings.

Soft wall coverings, for example, blown vinyl wallpaper, are easily affected by heat, they may, therefore, scorch or become discoloured when close to a heating appliance. Please bear this in mind when having a heating appliance installed and when redecorating

WARNING

The fire front has a naked flame.

A fireguard must be used for the protection of children, the infirm or elderly.

A fireguard should comply with the current issue of BS6539 "Fireguards for use with solid fuel appliances" or the current issue of BS6778 "Fireguards for use with portable, free standing or wall mounted heating appliances".

Do not allow any refuse or rubbish to be burnt on this fire front, or any objects to be placed in the flue exit.

Maintenance/Serviceing

To ensure the continued efficient and safe operation of the appliance it is recommended that it is checked and serviced as necessary at regular intervals. The frequency of servicing will depend upon the particular installation conditions and usage, but in general once a year should be enough.

If this appliance is installed in a rented property there is a duty of care imposed on the owner of the property by the current issue of the Gas Safety (Installation and Use) Regulations, Section 35.

It is the law that this work be carried out by a competent person.

To obtain service, please call your installer or Heatcall (Glow-worm's own service organisation) using the telephone number given on the Heatcall label.

Regularly make sure that the purpose provided ventilation is free from obstructions.

Heat Output - Fire Front

The gas fire front will work for about 4 hours 20 minutes at full on rate on one therm of gas. The price of a therm of gas will vary according to the tariff.

See also "Lighting the Fire Front"

Gas Leak or Fault

If a gas leak or fault exists or is suspected the appliance **MUST** be turned off, including the electrical supply and **MUST NOT BE USED UNTIL THE FAULT HAS BEEN PUT RIGHT**. Advice/help should be obtained from your installation or servicing company or the local gas undertaking.

Clearances

A shelf or surround of a maximum depth of 150mm may be fitted, provided that clearances are as diagram 1, however, for every extra 25mm above the fire front the depth of the shelf may be increased by 25mm.

On no account may carpet or other combustible material be laid directly under the fire front.

Frost

If the boiler is to be out of use for any long time during severe weather conditions we recommend that the whole of the system, including the boiler be drained off to avoid the risk of freezing up.

If fitted, switch off the immersion heater in the domestic hot water cylinder.

If you are in doubt your installation or servicing company or the local gas undertaking should be contacted.

Electrical Supply

WARNING. The appliance must be earthed.

Connection of the appliance and any system controls to the mains (230V~50Hz) must be through a 3A fused double pole isolating switch, having a minimum double pole contact separation of 3mm, serving only the boiler and system controls.

The colours of three core flexible cable are, Brown - live, Blue - neutral, Green and yellow - earth.

Safety Device.

This appliance is fitted with a flue blockage safety device which will shut down the appliance in the event of abnormal flue conditions. This device is **NOT** a substitute for an independently mounted Carbon Monoxide detector.

If the boiler or fire front shut down frequently, for no apparent reason, the first things that must be checked are the chimney and air inlets into the room.

An additional cause of the fire shutting down could be that the filter in the gas tap is blocked.

Any problems found must be put right, by a competent person, before the boiler and fire front are used again.

If the burners go out, wait three minutes before relighting, but check as above.

Lighting the Boiler

The boiler controls are placed behind the ashpit cover.

To remove the ashpit cover unhook from the fret.

Refer to diagram 2 to identify the boiler controls.

See that all other controls are calling for heat.

The clock, room thermostat and programmer, if fitted, will probably be some distance away from the unit.

To see how these items work and need to be set, read the manufacturers' instructions supplied with them.

Turn the control thermostat knob "A" fully anti-clockwise so that the "0", "Off" position is against the pointer positioned on the control box front "B".

Switch on electrical supply to the back boiler.

There will be a purge for approximately 30 seconds.

The pilot light will automatically light.

This is indicated by a green light on the lockout reset button "C" coming on.

Note: Should the red light on the lockout reset button "C" come on, it indicates that the pilot light is not operating correctly, or the flue blockage safety device has been activated.

When the fault has been corrected the lockout reset button "C" must be depressed, see diagram 2.

NO ATTEMPT SHOULD BE MADE TO RELIGHT THE BOILER UNTIL ANY FAULT HAS BEEN CORRECTED. EXPERT ADVICE SHOULD BE SOUGHT.

Adjust the control thermostat knob to the required setting between "0", "Off" position and "MAX".

"MAX" is approximately 82°C.

The temperature of the hot water cylinder should be periodically raised to 60°C.

Check that all external controls are also set to your requirements.

If the burner goes out for no apparent reason it is **IMPORTANT** that the advice given under "Safety Device" is followed.

To Turn the Boiler Off

For short periods, turn control thermostat knob "A" anti-clockwise until "0", "Off" position is opposite setting point. The pilot will remain alight if there is a call for heat. To relight the main burner turn control thermostat knob "A" clockwise to the desired setting between "0", "Off" and "MAX".

For longer periods, turn control thermostat knob "A" anti-clockwise to "0", "Off" position. Switch off the electrical supply to the appliance.

To relight follow the full lighting instructions given above.

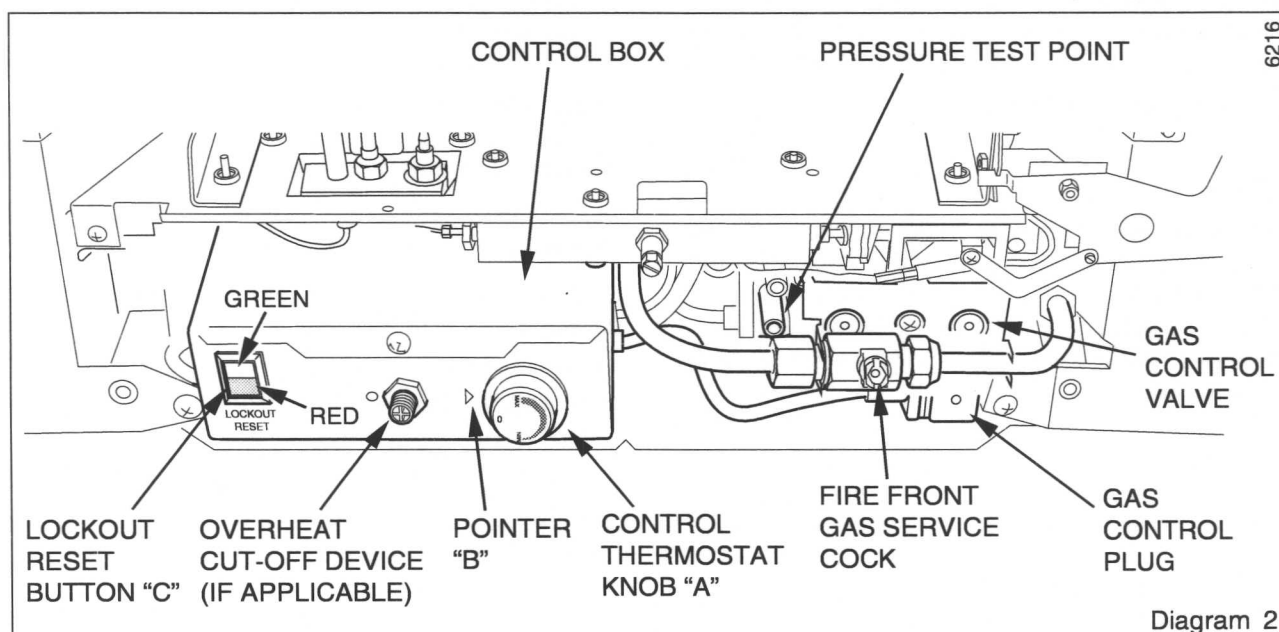
Lighting the Fire Front

Please read the information about the safety device at the beginning of these User Instructions before lighting the fire.

Slide the control knob down to the ignition position, against it's stop, and hold, see diagram 3, clicking of the ignition will be heard and the burner will light.

IMPORTANT. If the burner does not light within three seconds, return the control knob to "0", "OFF" position, wait for ten seconds and repeat the lighting operation.

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Instructions for Use

Keep the control knob in the ignition position for fifteen seconds after the burner has lit.

Note. The ignition system will continue to operate, indicated by the clicking at this time.

Before releasing, ensure the control knob is fully depressed against its stop, to engage the flame supervision device.

Note: Setting 1 is Low, Setting 3 or Coke is High.

To change settings, refer to diagram 3.

Note: Coke setting gives off a high glow, but a low flame effect.

If the burner goes out, wait three minutes before relighting, for any other reason wait for two minutes.

Lighting the Fire with a Match or Spill

As a temporary measure the fire may be lit with a spill or long match as follows:-

WARNING. Take care as the burner has a naked flame.

Hold a lighted spill or long match and put it into the hole as shown in diagram 4. Position the spill so that the flame is over the burner.

Keep the spill in place, slide the control knob down to the ignition position, against its stop and hold, see diagram 3, the burner will light, remove the spill.

Keep the knob in the ignition position for fifteen seconds after the burner has lit.

Before releasing, ensure the control knob is fully depressed against its stop, to engage the flame supervision device.

Once lit move the control knob to the desired setting.

Note: Setting 1 is Low, Setting 3 or Coke is High.

Note: Coke setting gives off a high glow, but a low flame effect.

If the burner goes out, wait three minutes before relighting, for any other reason wait for two minutes.

This is a temporary measure only. The ignition system should be repaired or the battery be replaced as soon as possible.

Soot Accumulation

Note: A small amount of soot accumulating is quite natural and will give the fire a more realistic effect.

If desired, these minor soot deposits can be burned off by running at the coke setting for approx. one hour.

Cleaning the Fire

WARNING. This fire contains metal parts (components) and care should be taken when handling and cleaning, with particular regard to edges.

Any cleaning must only be done when the fire is cold.

If large pieces of debris are found the chimney should be

inspected and the fire serviced before further use.

Under normal conditions dusting the surrounds of the fire should be enough. An occasional wipe over with a damp cloth will help to remove any marks.

Do not use an abrasive cleaning powder or liquid.

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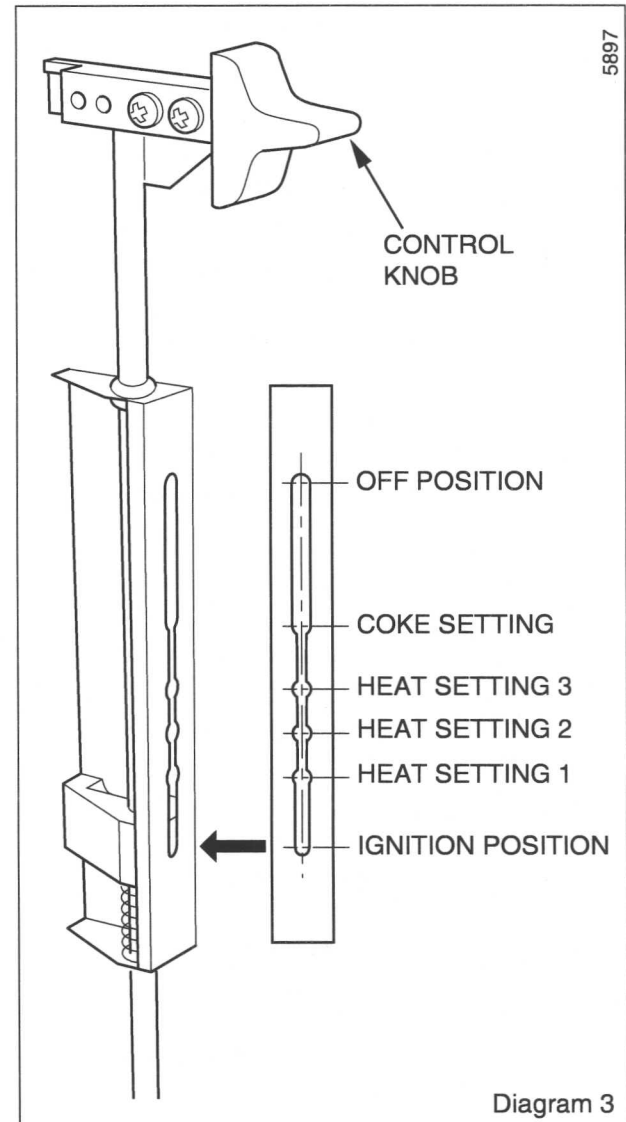


Diagram 3

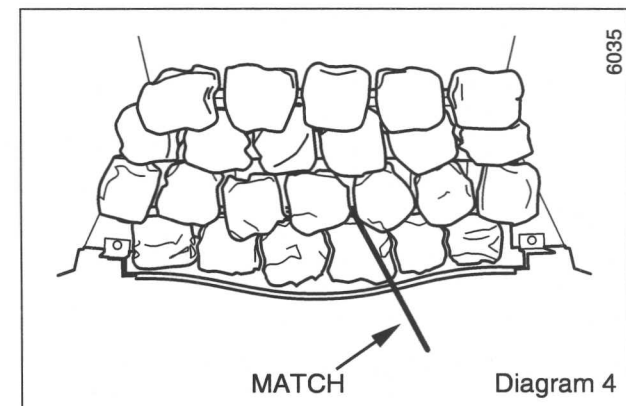


Diagram 4

To Clean the Fuel and Fuel Supports - this can be done by the User

Should any soot accumulation become excessive, the fuel effect pieces and fuel effect supports should be removed from the fire and cleaned with a soft brush.

Remove the fret and ash pit cover, see diagram 5.

Take care not to damage the frame.

Following steps 1 to 8 in reverse order, remove the fuel effect pieces and fuel effect supports, see diagram 6.

Be careful as with use they become fragile.

Clean the fuel effect pieces and fuel effect supports with a soft brush, **do not use a vacuum cleaner**.

With the fuel effect pieces and fuel effect supports removed, the base of the appliance **may be** cleaned with a vacuum cleaner.

Note: After cleaning, always adhere strictly to the instructions when reassembling the fuel effect supports and fuel effect pieces.

Use only the fuel effect approved for this fire.

Do not use more fuel effect pieces than specified.

Fuelbed Fitting

CAUTION. If the fuel effect supports and fuel effect pieces are damaged, do not light the fire or further test until replacement parts are fitted.

USE ONLY THE FUEL EFFECT APPROVED FOR THIS FIRE.

DO NOT USE MORE FUEL EFFECT PIECES THAN SPECIFIED.

DO NOT CHANGE THE LAYOUT OF THE FUEL EFFECT PIECES.

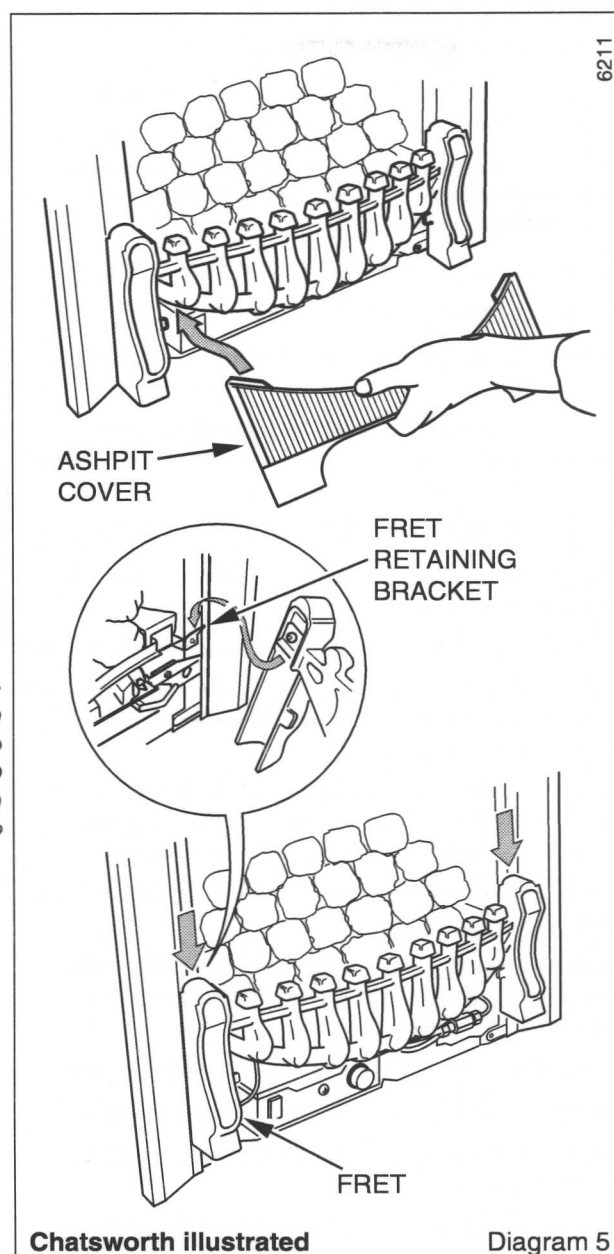
The importance of positioning the fuel effect pieces correctly cannot be overemphasised if sooting is to be avoided. The flame effect may also be impaired and the life of the fuel effect pieces reduced if assembly directions are not followed.

Before positioning the fuel effect pieces, study carefully the illustrations showing the layout procedure of the pieces, see diagram 6.

Follow the steps which are shown numerically in the fuelbed fitting sequence starting at Step 1, making sure that each stage is completed before carrying on to the next and that all written instructions are adhered to, see diagram 6.

STEP 1. When fitting the front support make sure the feet are located at the back of the retaining lip and the support fits between the brackets.

STEP 2. Fit the side supports tightly into the front corners touching the side and front of the appliance.



Chatsworth illustrated

Diagram 5

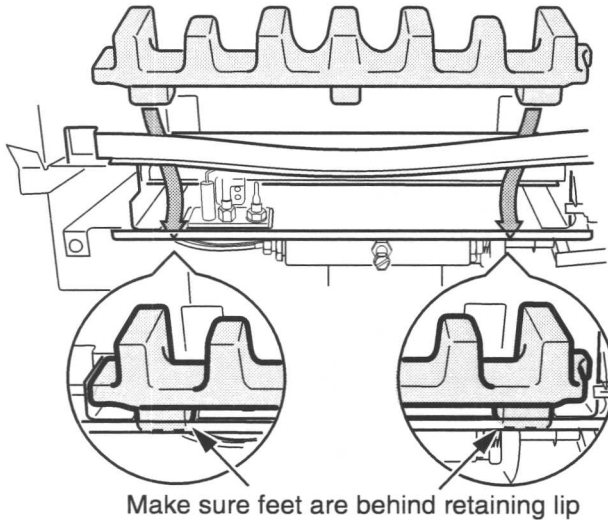
STEP 3. Fit the rear support, making sure it sits on the bottom of the brackets, by pushing it down firmly.

STEP 4. Fit the middle support over the burner making sure it sits behind the brackets on the burner. Keep the support clear of the cross lighting ports.

STEP 5. Place the two large fuel effect pieces with the flat bases and round indents down. Leave gaps around the pieces.

NOTE: The remaining fuel effect pieces can be turned as requires to maintain a constant gap around each fuel effect piece.

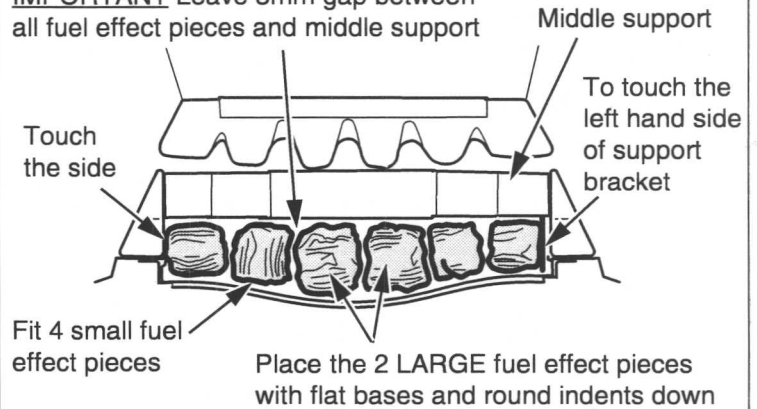
STEP 1 - Front support



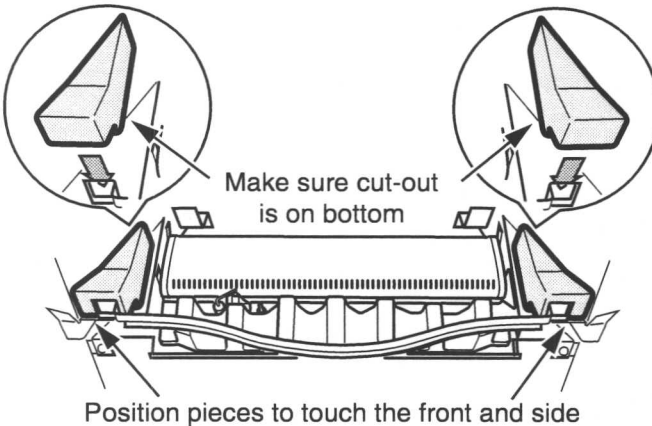
NOTE : The fuel effect pieces can be rotated to achieve a random effect.

STEP 5 - 2 Large & 4 small fuel effect pieces

IMPORTANT Leave 3mm gap between all fuel effect pieces and middle support

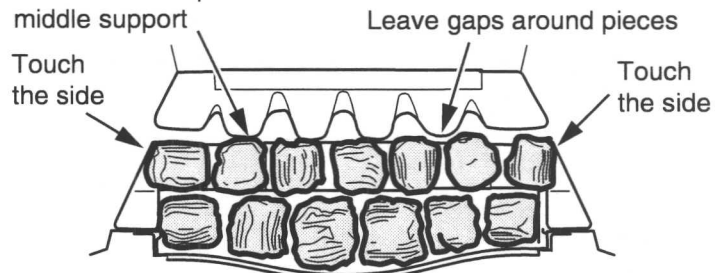


STEP 2 - Side supports



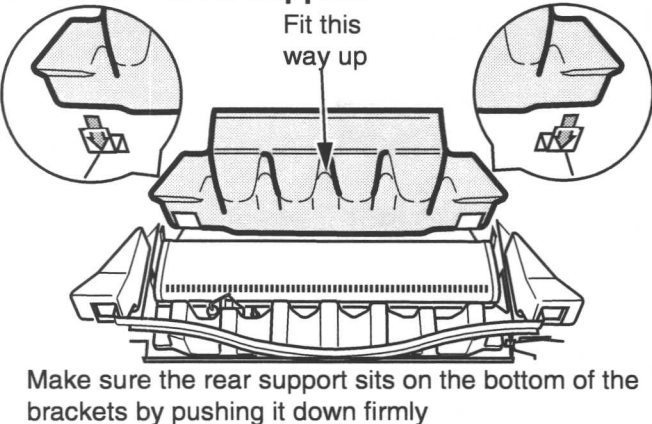
STEP 6 - 7 Small fuel effect pieces

Sit 7 fuel effect pieces on the middle support

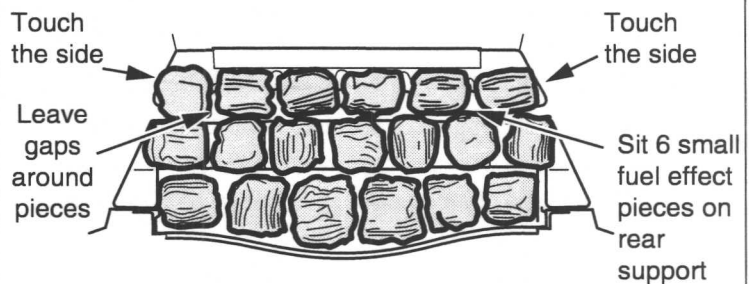


IMPORTANT This row of fuel effect pieces must not overlap the front row of fuel effect pieces. Position as shown on the front edge of the middle support

STEP 3 - Rear support

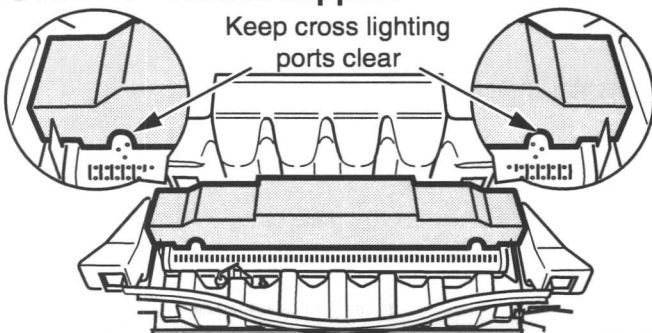


STEP 7 - 6 Small fuel effect pieces



IMPORTANT This row of fuel effect pieces must not overlap the middle row of fuel effect pieces.

STEP 4 - Middle support



STEP 8 - 5 Small fuel effect pieces

Fit 5 fuel effect pieces they must touch rear of fire

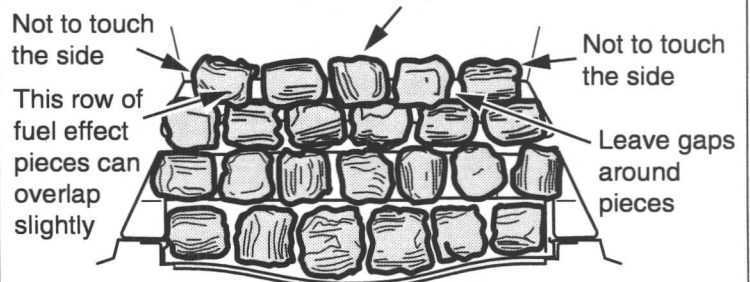


Diagram 6

STEP 5 CONTINUED. Place four small fuel effect pieces starting from the outside, leaving gaps around the pieces. The left hand outside piece must touch the side of the fire. The right hand outside piece must touch the left hand side of the burner support bracket.

STEP 6. Place seven small fuel effect pieces on the middle support starting from the outside, leaving gaps around the pieces. The two outside pieces touch the sides of the fire.

STEP 7. Place six small fuel effect pieces on the six flat areas of the rear support starting from the outside, leaving gaps around the pieces. The two outside pieces touch the sides of the fire.

STEP 8. Place five small fuel effect pieces on the top of the rear support starting from the outside overlapping slightly the previously fitted pieces and touching the rear of the fire. Leave gaps around the front and side of the pieces. The two outside pieces do not touch the sides of the fire.

When you have fitted all the small pieces you may have to adjust some slightly to maintain constant gaps.

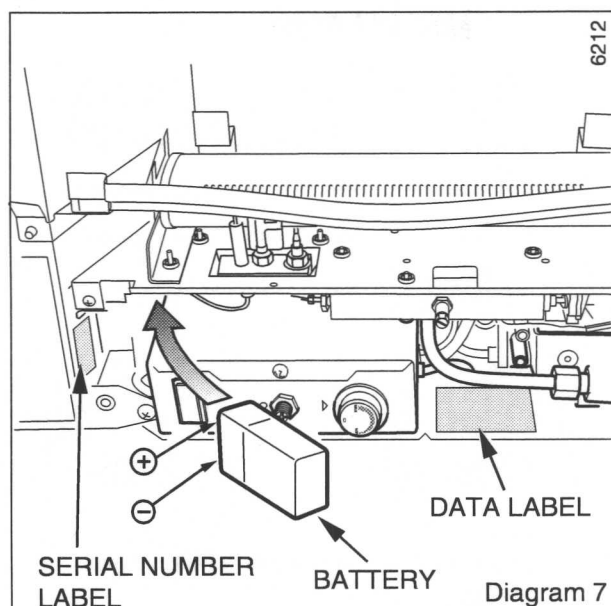
To Replace the Battery - this can be done by the user

The battery, supplied, should, under normal usage last for about 18 months.

The replacement is 9V and we recommend that it be of the alkaline type which can be bought locally.

Remove the fret and ash pit cover, see diagram 5.

Replace the battery as shown in diagram 7.



Replacement Parts

If replacement parts are required apply to your local supplier.

Remove the ashpit cover, see diagram 5.

Quote the name of the appliance indicated on the rear of the ashpit cover.

Quote the serial number of the fire front found on the label attached to the chassis to the left of the electrical control box, see diagram 7.

Quote the back boiler units name and serial number on the data label which can be found on the base of the boiler, see diagram 7.

Control of Substances Hazardous to Health

Information for the Installer and Service Engineer.

Under Section 6 of The Health and Safety at Work Act 1974, we are required to provide information on substances hazardous to health.

The adhesives and sealants used in this appliance are cured and give no known hazard in this state.

RADIANTS, FUELBEDS, ARTIFICIAL FUEL

After handling wash hands thoroughly.

INSULATION PADS/CERAMIC FIBRE

These can cause irritation to skin, eyes and the respiratory tract.

If you have a history of skin complaint you may be susceptible to irritation. High dust levels are usual only if the material is broken.

Normal handling should not cause discomfort, but follow normal good hygiene and wash your hands before eating, drinking or going to the lavatory.

If you do suffer irritation to the eyes or severe irritation to the skin seek medical attention.

Because of our constant endeavour for improvement details may vary slightly from those in the instructions.