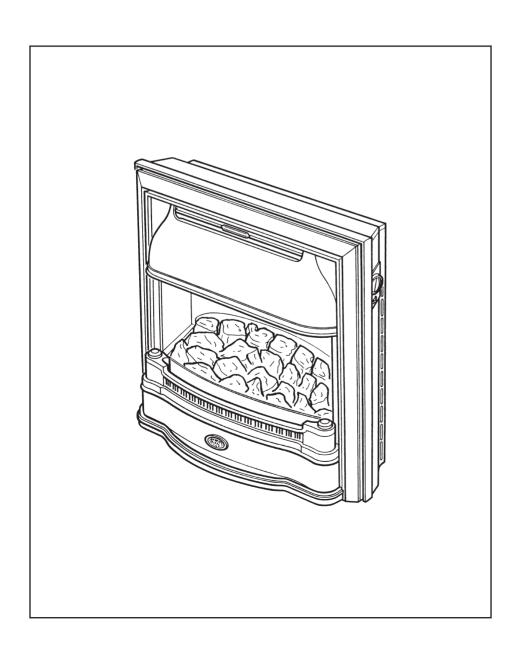
# Baxi Bermuda RG 3

# Fireside Gas Central Heating Unit

# Installation and Servicing Instructions





#### **Natural Gas**

Baxi Bermuda RG3 G.C.No 37 077 64

For use with the following boilers:

Bermuda 45/4 M G.C.No 44 077 71 Bermuda 45/4 E G.C.No 44 077 73 Bermuda 57/4 M G.C.No 44 077 72 Bermuda 57/4 E G.C.No 44 077 74 Bermuda 51/5

G.C.No 44 075 06

#### Renewal

Baxi Bermuda RG3 Renewal G.C. No 37 075 06A

For use with the following boilers:

Bermuda 401
G.C.No 44 077 49
Bermuda 552
G.C.No 44 077 50
Bermuda 45/3 M
G.C.No 44 077 61
Bermuda 45/3 E
G.C.No 44 077 60
Bermuda 57/3 M
G.C.No 44 077 63
Bermuda 57/3 E
G.C.No 44 077 62
Bermuda 45/4 M
G.C.No 44 077 71
Bermuda 45/4 F

G.C.No 44 077 71 Bermuda 45/4 E G.C.No 44 077 73 Bermuda 57/4 M G.C.No 44 077 72 Bermuda 57/4 E

G.C.No 44 077 74 **Bermuda 51/5** G.C.No 44 075 06

Baxi is one of the leading manufacturers of domestic heating products in the UK.

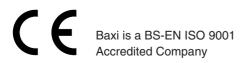
Our first priority is to give a high quality service to our customers. Quality is built into every Baxi product - products which fulfil the demands and needs of customers, offering choice, efficiency and reliability.

To keep ahead of changing trends, we have made a commitment to develop new ideas using the latest technology - with the aim of continuing to make the products that customers want to buy.

Everyone who works at Baxi has a commitment to quality because we know that satisfied customers mean continued success.

We hope you get a satisfactory service from Baxi. If not, please let us know.

For use in GB / IE only.



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#### Codes of Practice, most recent version should be used

#### In GB the following Codes of Practice apply:

Standard Scope BS 6891

Gas Installation.

BS 5546 Installation of hot water supplies for

domestic purposes.

BS 5871 Installation of gas fires, convectors and

fire/back boilers. BS 5440 Part 1 Flues.

BS 5440 Part 2 Ventilation.

BS 6798 Installation of gas fired hot water boilers. BS 5449 Part 1 Forced circulation hot water systems.

#### In IE the following Codes of Practice apply:

Standard Scope

I.S. 813 Domestic Gas Installations.

The following BS standards give valuable additional information; BS 5546

Installation of hot water supplies for

domestic purposes. BS 5449 Part 1 Forced circulation hot water systems.

**IMPORTANT** - The addition of anything that may interfere with the normal operation of the appliance without express written permission from the manufacturer or his agent could invalidate the appliance warranty. In GB this could also infringe the Gas SAFETY (Installation and Use) REGULATIONS.

#### IMPORTANT - Installation, Commissioning, Service & Repair

This appliance must be installed in accordance with the manufacturer's instructions and the regulations in force. Read the instructions fully before installing or using the appliance.

In GB, this must be carried out by a competent person as stated in the Gas Safety (Installation & Use) Regulations.

Definition of competence: A person who works for a CORGI registered company and holding current certificates in the relevant ACS modules, or valid ACoP equivalents, is deemed competent.

In IE, this must be carried out by a competent person as stated in I.S. 813 "Domestic Gas Installations".

#### Information

#### Safe Installation

The appliance is suitable only for installation in GB and IE and should be installed in accordance with the rules in force.

In GB, the installation must be carried out by a CORGI Registered Installer. It must be carried out in accordance with the relevant requirements of the:

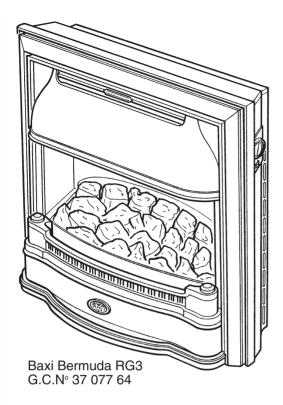
- Gas Safety (Installation & Use) Regulations.
- The appropriate Building Regulations either The Building Regulations, The Building Regulations (Scotland), Building Regulations (Northern Ireland).
- The Water Fittings Regulations or Water Byelaws in
- The Current I.E.E. Wiring Regulations.

Where no specific instructions are given, reference should be made to the relevant British Standard Code of Practice.

In IE, the installation must be carried out by a competent Person and installed in accordance with the current edition of I.S. 813 'Domestic Gas Installations', the current Building Regulations and reference should be made to the current ETCI rules for electrical installation.

These Instructions must be read in conjunction with those for the Boiler Section before installing or using this appliance.

# INTRODUCTION



#### Description

The Baxi Bermuda RG3 (G.C. Nº 37 077 64) is a combined gas fired central heating boiler and gas fire unit, designed for installation in a living room. The boiler and fire unit is designed to be used on Natural Gas only.

The heat input of the fire at maximum setting is 5.52kW (18,834 Btu/h) with an output of 3.47kW (11,865 Btu/h).

The fire is controlled by a knob which is positioned on the right hand side of the case. This knob has six positions giving a choice of four output settings.

Position • - OFF

Position ★ 1 - IGNITION/PILOT

Position 1 - LOW Position 2 - MEDIUM

Position 3 - MEDIUM/HIGH

Position 4 - HIGH

When required, the artificial coal bed may be illuminated by concealed bulbs. The light effect is operated by a switch situated below the control knob. It may be used whether the fire is ON or OFF.

#### Important Information

This product contains Refractory Ceramic Fibres (R.C.F.) which are man-made vitreous silicate fibres. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract. Care must be taken when handling these articles to ensure the release of dust or fibres is kept to a

To ensure that the release of fibres from these articles is kept to a minimum, during installation and servicing it is recommended that a H.E.P.A. filtered vacuum is used to remove any dust, soot or other debris accumulated in and around the appliance. This should be performed before and after working on the installation. It is recommended that any replaced item(s) are not broken up but sealed within heavy duty polythene bags and clearly labelled "R.C.F. waste". This is not classified as "hazardous waste" and may be disposed of at a tipping site licensed for the disposal of industrial waste. Protective clothing is not required when handling these articles but it is recommended that gloves are worn and the normal hygiene rules of not smoking, eating or drinking in the work area are followed and always wash hands before eating or drinking.

#### NOTICE -

#### DISCOLOURATION OF WALL SURFACES

Most heating appliances generate warm air convection currents and transfer heat to any wall surface against which they are situated.

Some soft furnishings (such as blown vinyl wallpapers) may not be suitable for use where they are subject to temperatures above normal room levels and the manufacturer's advice should be sought before using this type of wall covering adjacent to any heating appliance.

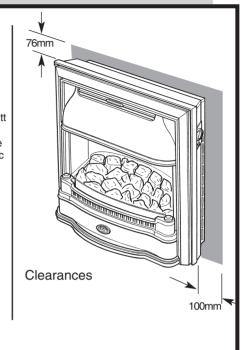
The likelihood of wall staining from convected air currents will be increased in environments where high levels of cigarette smoke or other contaminants exist.

# TECHNICAL DATA

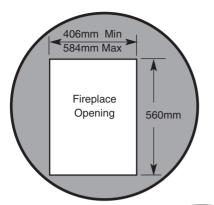
### Bermuda RG3 (Natural Gas)

Heat Input (Gross)	High	Med-High
kW	5.52	4.88
Btu/h	18,834	16,637
Heat Input (Gross)	Med	Low
kW	3.72	2.00
Btu/h	12,693	6,824
Heat Output	High	
kW	3.47	
Btu/h	11,865	
Setting Pressure	Cold	
mbar	$8.8 \pm 0.5$	
in wg	$3.52 \pm 0.2$	
Injectors		
Front	F06	
Rear	F02	
Thermocouple Output	9.4 - 13r	nv

Gas Connection The gas supply is provided from the service cock on the boiler unit.  $\textbf{Electricity Supply} \underline{2}30 \text{V}{\sim}50 \text{Hz}$ External fuse - 3Amp Appliance Rating - 30 watt Controls Rotary gas tap with flame sensing device, electronic ignition and A.S.D. pilot. **Gas Rate** 0.60m<sup>3</sup>/h (after 10 mins) (21.20ft<sup>3</sup>/h) Weight 37.7 kg (82.9 lbs) (unpacked) Outercase Dimensions Height 733mm Width 765mm Depth 305mm **Pilot Assembly** 9027 Heat Input (Gross) 210W (715 Btu/h)



# SITE REQUIREMENTS



800mm

#### Fireplace Opening

The principal site requirements are determined by the boiler unit, but the following details are essential for the correct installation of the fire unit:

Fireplace Opening: Height: 560mm (22in)

Width: 406mm (16in) min 584mm (23in) max

NOTE: The wall behind the fire must be noncombustible.

If a fire surround is to be used, it must have a rating of 100°C or higher (Any gaps between the wall and the surround must be sealed).

There must be a flat vertical surface, centrally fixed about the opening, measuring a minimum of 810mm (31<sup>7</sup>/<sub>8</sub> in) high by 800mm (31<sup>1</sup>/<sub>2</sub> in)

#### **VENTILATION**

810mm

Ventilation air supply should be in accordance with the relevant standards. In GB this is BS 5440 Pt. 2. In IE this is I.S. 813 "Domestic Gas Installations". The permanent ventilation area size requirements are:-

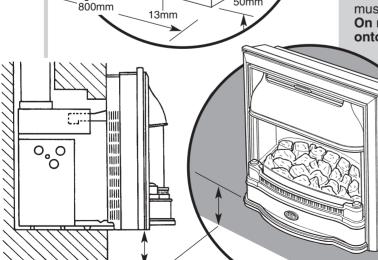
69.71cm<sup>2</sup> (10.8in<sup>2</sup>) RG3 & 45/4 RG3 & 57/4 90.32cm<sup>2</sup> (14in<sup>2</sup>) RG3 & 51/5 74.63cm<sup>2</sup> (11.57in<sup>2</sup>)

The permanent vent may be directly into the room containing the appliance. The vent may also be sited in another room provided an interconnecting vent is used. The vent must not be installed inside the builders opening. The vent should be sited following good practice for a habitable room.

We recommend the use of the Stadium BM720 'Black Hole' ventilator which is available from your local merchant.



If the fire unit is to be hearth mounted then the hearth must be of a non-combustible material at least 13mm (1/2in) thick and measuring at least 305mm (12in) deep by 800mm (311/2 in) wide and fitted centrally about the fireplace opening. The top surface of the hearth should be a minimum of 50mm (2in) above floor level and must be level with the base of the builders opening. On no account should the fire unit be fitted directly onto a combustible floor or carpet.



125mm Max

100mm Min

305mm

50mm

#### **WALL FIXING**

NOTE: Whilst the Bermuda RG3 is intended to be hearth mounted, it may also be fixed to a wall.

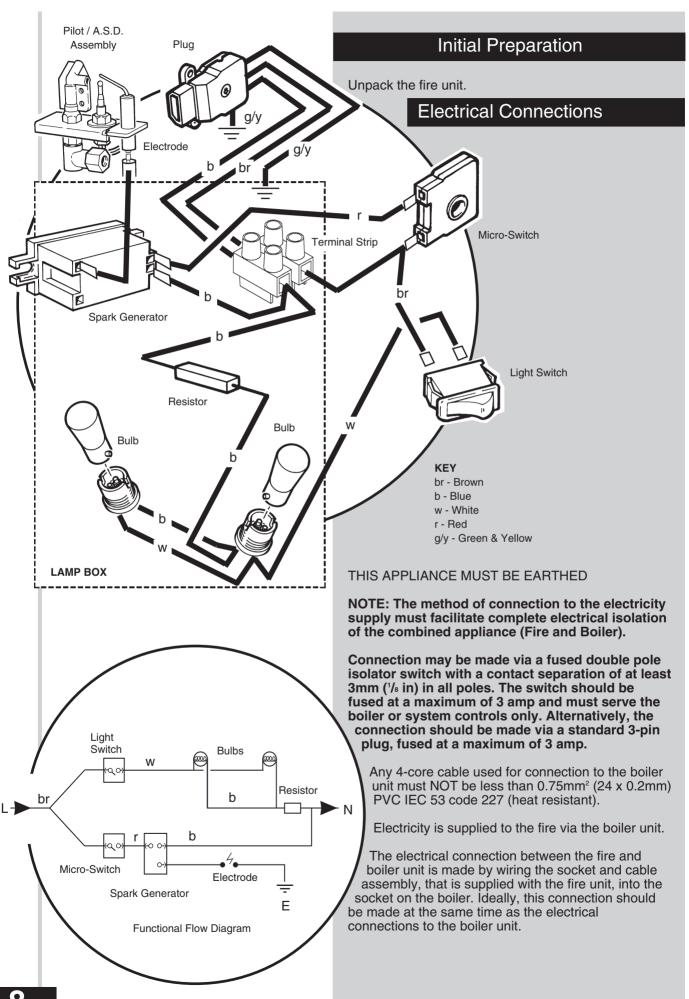
> The bottom of the fire unit must be at least 100mm away from the floor, but not more than 125mm.

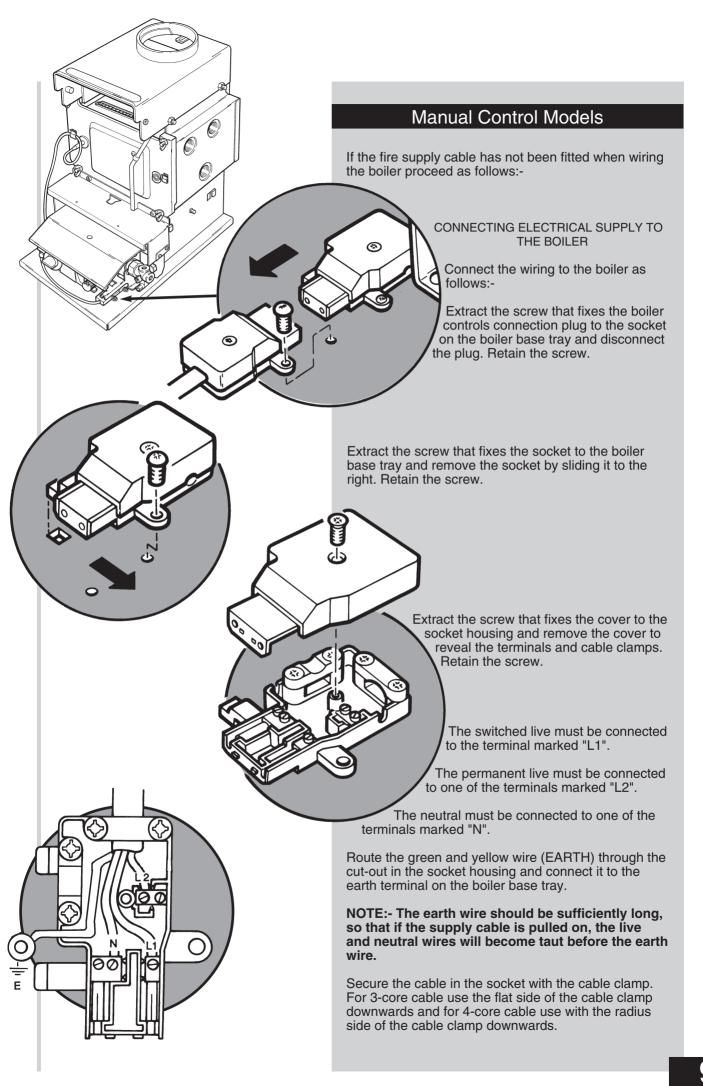
#### SHELF

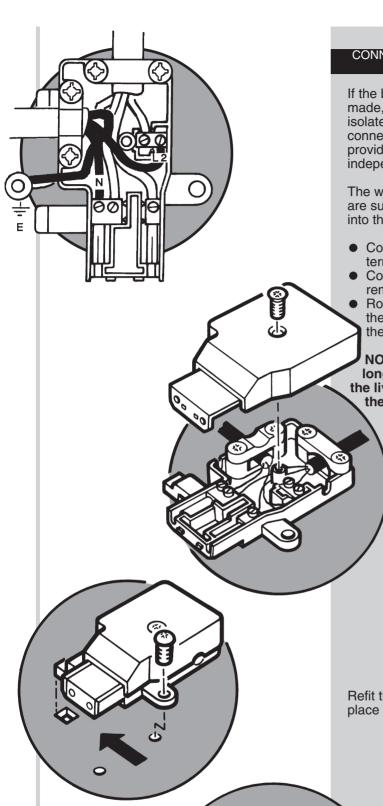
A shelf may be fitted above the fire unit provided that it is at least 76mm (3in) above the fire canopy and not more than

229mm (9in) in depth. The area between the shelf and the top of the fire must be non-combustible.

# **INSTALLATION**







# CONNECTING THE FIRE ELECTRICAL SUPPLY CABLE TO THE BOILER

If the boiler electrical connections have already been made, ensure that the electrical supply to the boiler is isolated. The fire should always be electrically connected as described below and must not be provided with an electrical connection that is independent from the boiler.

The wires from the socket and cable assembly, that are supplied with the fire unit, should be connected into the boiler electrical supply socket as follows:-

- Connect the blue wire (neutral) to the remaining terminal marked "N".
- Connect the brown wire (permanent live) to the remaining terminal marked "L2".
- Route the green and yellow wire (EARTH) through the cut-out in the socket housing and connect it to the earth terminal on the boiler base tray.

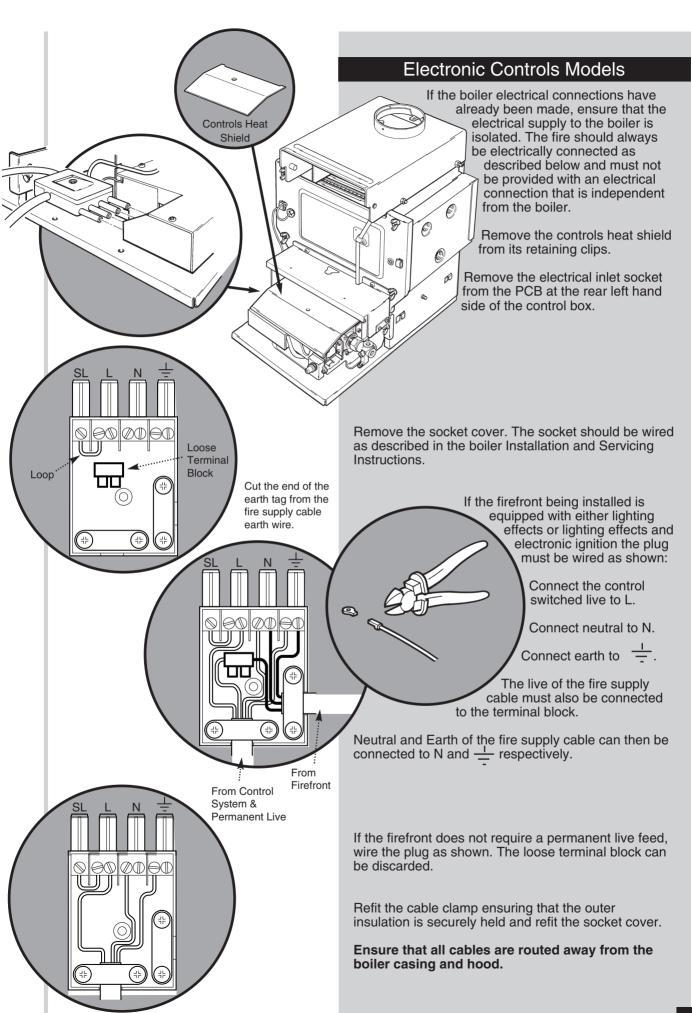
NOTE:- The earth wire should be sufficiently long, so that if the supply cable is pulled on, the live and neutral wires will become taut before the earth wire.

Using the cable clamp with the flat side downwards, secure the cable in the socket.

Refit the socket cover and fix it in place with the screw.

Refit the socket to the boiler base tray and secure in place with the securing screw.

Reconnect the controls connection plug to the socket and secure it in place using the securing screw.



# 3 Pin Electrical 4 Pin Electrical Inlet Socket Firefront From Control System & Permanent Live

#### Electronic Controls Model (51/5 only)

Remove the controls heat shield from its retaining clips.

Isolate the electrical supply to the boiler, including the permanent live.

Remove the electrical inlet socket from the PCB at the rear left hand side of the control box.

Remove the socket cover. The socket should be wired as described in the boiler Installation and Servicing Instructions. The boiler plug is supplied as shown: An earth lead connects to the boiler chassis.

If the firefront being installed is equipped with either lighting effects or lighting effects and electronic ignition the plug must be wired as shown:

Connect the control switched live to SL.

Connect neutral to N.

Connect earth to  $\frac{1}{2}$ .

Connect the permanent live to L.

The fire earth must connect to the chassis.

Neutral and Live of the fire supply cable can then be connected to N and L respectively.

If the firefront does not require a permanent live feed, wire the plug as shown. The loose terminal block can be discarded.

Refit the cable clamp ensuring that the outer insulation is securely held and refit the socket cover.

Ensure that all cables are routed away from the boiler casing and hood.

#### Gas Supply

The gas installation should be in accordance with relevant standards. In GB this is BS 6891. In IE this is I.S. 813 "Domestic Gas Installations".

The gas supply to the fire unit is provided from the service cock on the boiler using the fire supply pipe contained in the kit.

The pipe has one flared end (for connection to the fire) and a plain end (for connection to the service cock).

It will be necessary to cut the fire supply pipe to length. The length will depend on the position of the boiler unit relative to the face of the wall or surround.

The following procedure will ensure that the pipe is cut to the correct length.

Measure the distance from the centre of the front 'V' mark on the boiler base tray to the face of the wall or surround. Let this distance be known as distance 'A'.

Add 35mm to distance 'A', (ie: A + 35mm) to give a total distance 'D'.

Mark off distance 'D' from the plain end of the supply pipe.

Cut away the unwanted piece of pipe, ensuring that the cut is square.

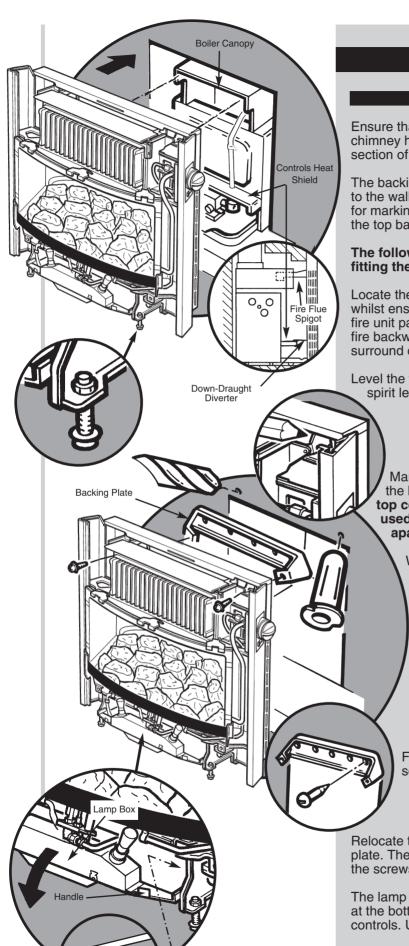
Remove burrs and clear the pipe of any swarf.

Two compression nuts and an olive are provided in the kit. Thread one nut over the fire supply pipe, as shown, then fix the plain end of the pipe to the service cock on the boiler using the olive and remaining nut. Ensure that the flared end of the pipe faces to the right and is parallel with the hearth or floor before fully tightening the nut and olive.

Surround Face or

Finished Wall Face

Front "V" Mark



Supply Pipe

#### Fitting the Fire

#### **HEARTH FIXING**

Ensure that the space between the flue liner and the chimney has been sealed, as described in the flues section of the Boiler Instruction.

The backing plate that will be used to secure the fire to the wall is already fastened to the fire in readiness for marking out the screw fixing holes. It is located at the top back position of the fire unit.

The following procedure is to be followed when fitting the fire.

Locate the fire flue spigot into the boiler canopy and whilst ensuring that the down-draught diverter on the fire unit passes over the controls heat shield, push the fire backwards until the backing plate touches the surround or wall surface.

Level the fire by adjusting the front feet (check using a spirit level).

Mark the positions of two suitable fixing holes in the backing plate. NOTE: Where possible the top corner fixing hole positions should be used, otherwise space the fixing holes as far apart as possible.

Withdraw the fire unit and remove the backing plate from the chassis by unscrewing the two screws holding it in position. Take note of its orientation and retain the screws.

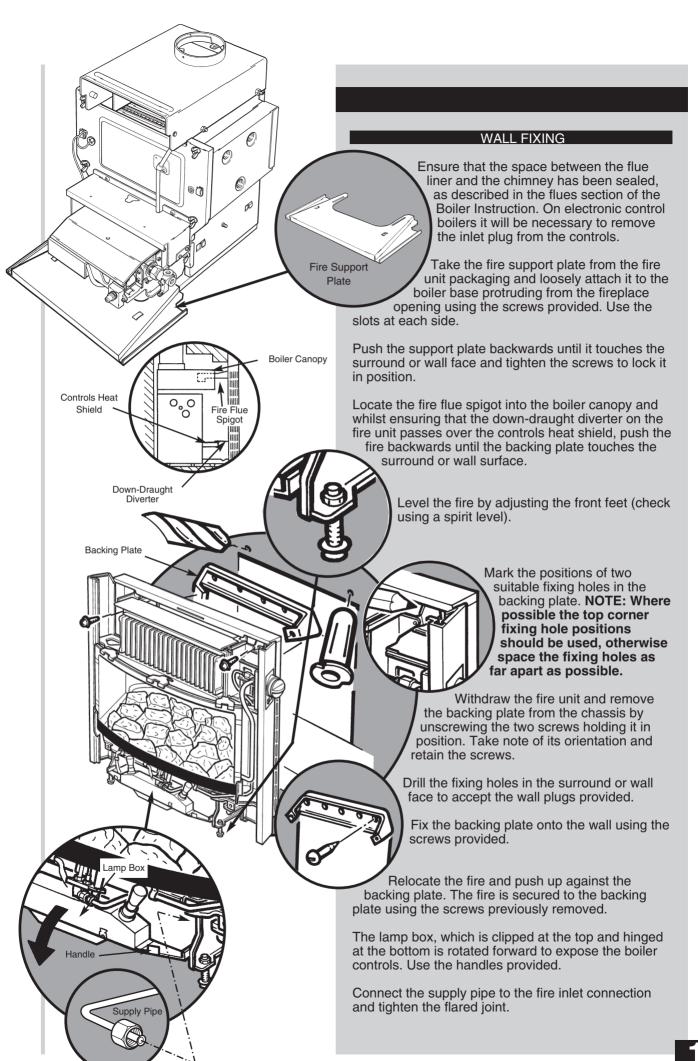
Drill the fixing holes in the surround or wall face to accept the wall plugs provided.

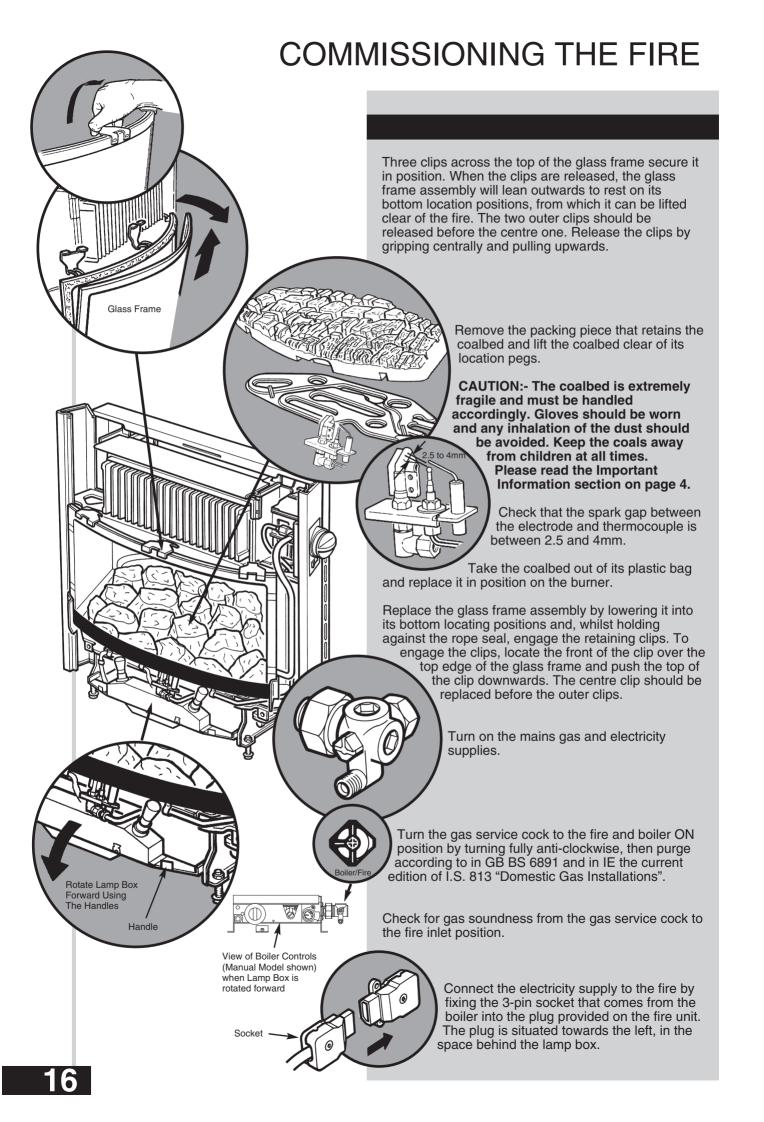
Fix the backing plate onto the wall using the screws provided.

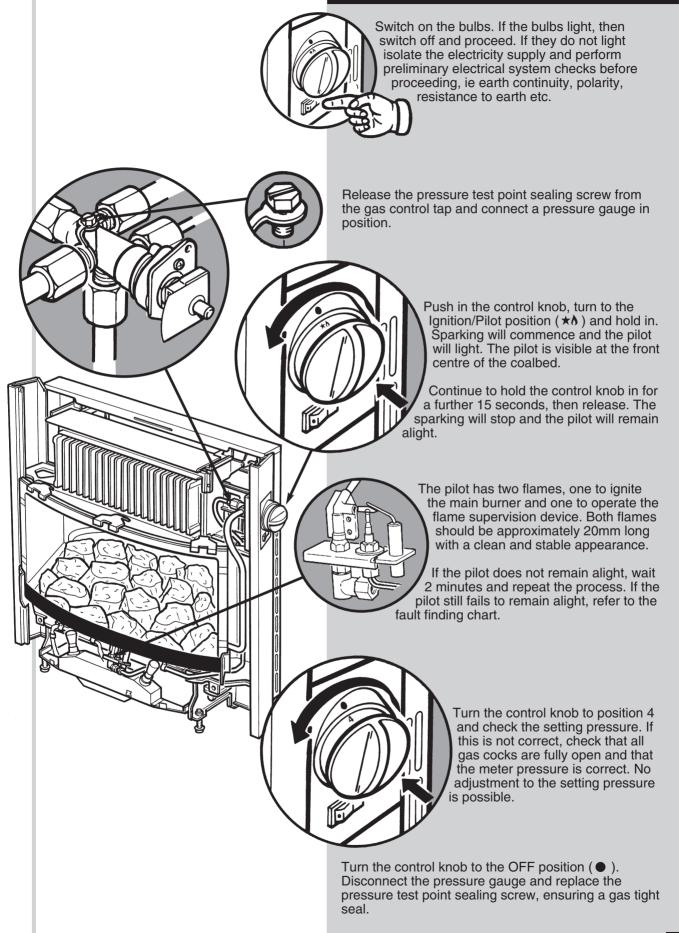
Relocate the fire and push up against the backing plate. The fire is secured to the backing plate using the screws previously removed.

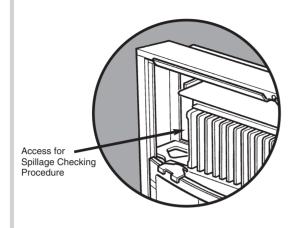
The lamp box, which is clipped at the top and hinged at the bottom is rotated forward to expose the boiler controls. Use the handles provided.

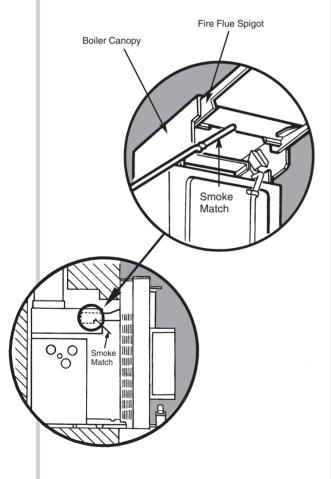
Connect the supply pipe to the fire inlet connection and tighten the flared joint.











#### CHECKING FOR SPILLAGE

CAUTION - Whilst checking for spillage care must be taken to avoid touching hot panels.

Ensure that all doors and windows are closed.

IMPORTANT NOTE: If there is a ceiling or extractor fan in the room or adjoining room then the spillage test must be performed with the fan turned on and any interconnecting doors between the fan and the appliance left open.

There are two stages of appliance operation for which spillage must be checked by following "the spillage checking procedure" shown below.

STAGE 1 - Operate the fire on maximum for five minutes and check for spillage. If spillage is evident then the fire is operated for a further 10 minutes and re-checked. If spillage is still evident then the cause should be ascertained and rectified before continuing with commissioning.

STAGE 2 - Following a satisfactory result at stage 1, the fire is left on and the boiler is operated for 5 minutes before checking for spillage again. If spillage is evident then the cause should be ascertained and rectified before continuing with commissioning.

If the appliance cannot be commissioned then it should be isolated until the problem is resolved.

#### THE SPILLAGE CHECKING PROCEDURE

Checking for spillage is only possible from the left hand side of the appliance. A lighted smoke match with extension is inserted into the boiler canopy and positioned just below but not touching the fire flue spigot. With the aid of a torch the trail of smoke from the match is observed. If the smoke is not being drawn up into the flue then spillage of combustion products is indicated.

#### POSSIBLE CAUSES OF SPILLAGE

The smoke match may have been positioned incorrectly, resulting in the smoke being picked up by hot convected air currents.

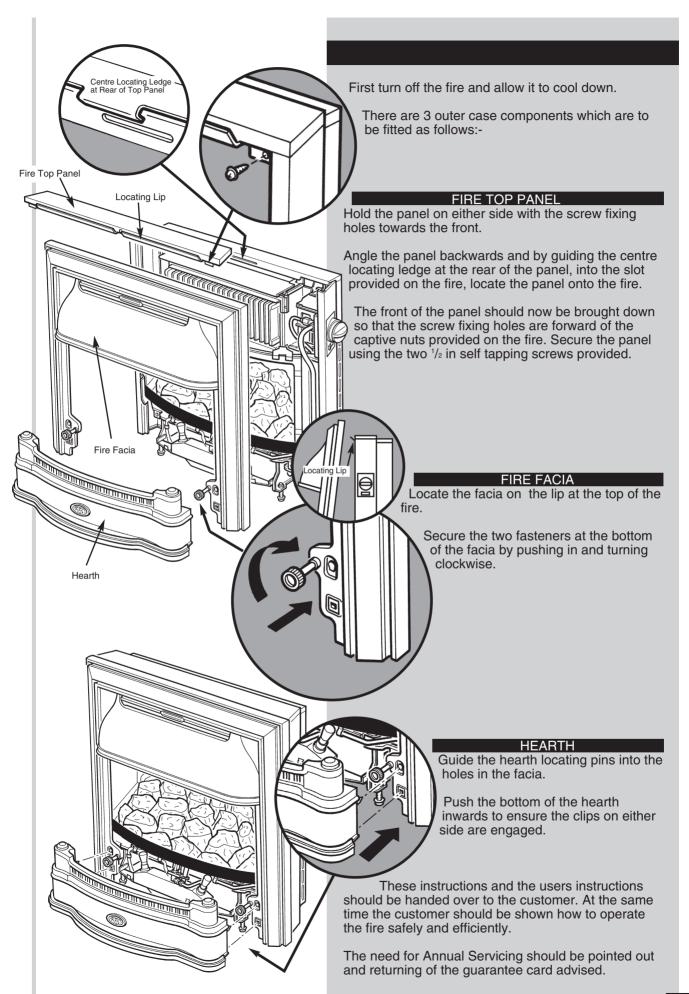
The builders opening or flue installation may be unsound.

Inadequate ventilation.

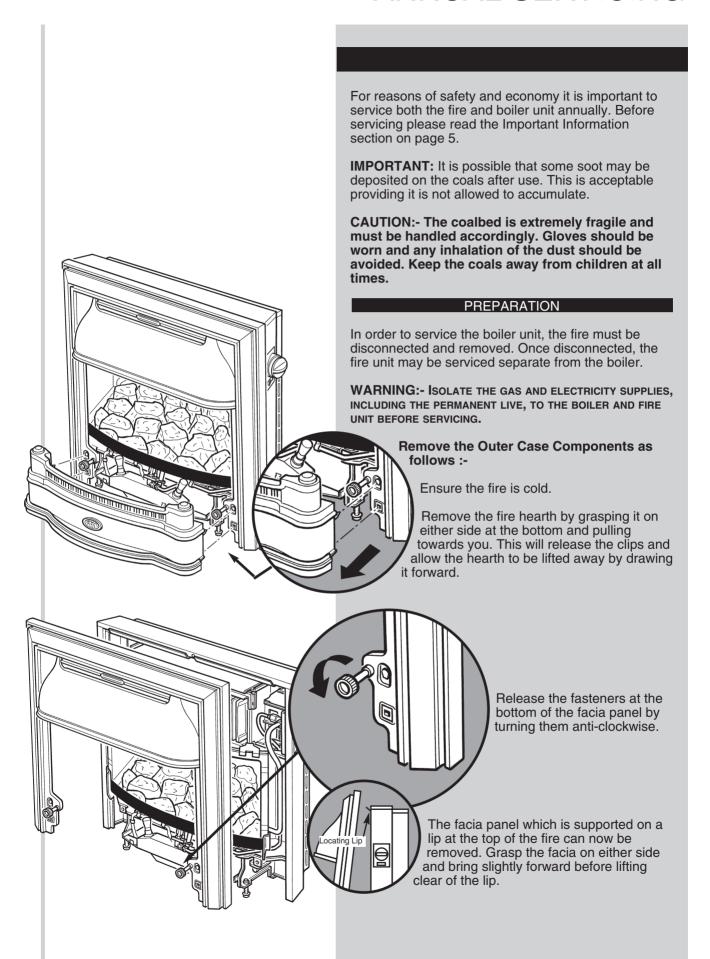
Down draughts may be present.

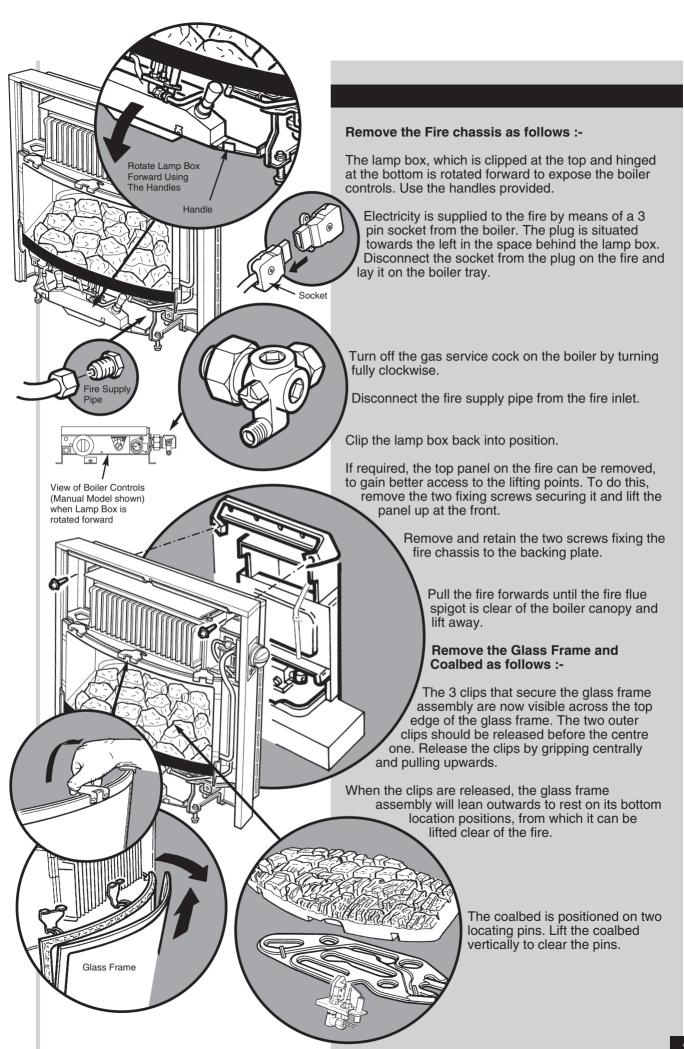
The flue may be blocked.

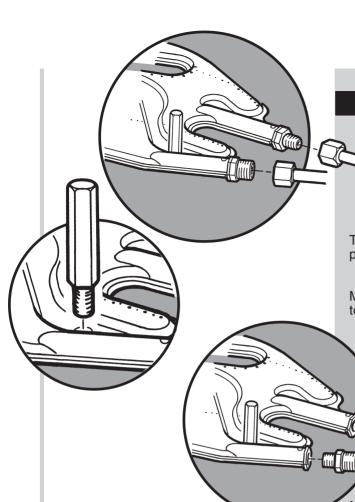
# FITTING THE OUTER CASE



# ANNUAL SERVICING







#### CLEANING THE BURNER/INJECTORS

Release the compression nuts that connect the gas feed pipes to the injectors on the burner.

The coalbed location pins also secure the burner in position. Unscrew and remove the pins.

Manoeuvre the burner clear of the fire, taking care not to damage the pilot assembly.

The injectors can now be removed from the burner. Using a soft brush, remove any dirt or debris from the top of the burner and ensure that the ports and aeration openings are free from obstruction.

Examine and clean the injectors. Do not use any hard tools, including pins or wire. Refit the injectors to the burner.

NOTE:- The larger injector should be fitted into the front burner inlet position.

Replace the burner in the reverse order of removal.



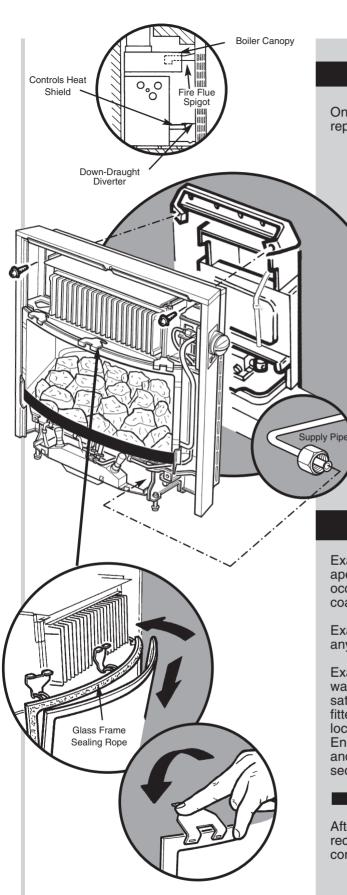
NOTE:- No attempt should be made to clean the device using any hard tools, including pins or wire.

The thermocouple, electrode and pilot burner that make up the pilot assembly are not replaceable as separate items. If any part is damaged then the pilot assembly should be replaced.

During annual appliance servicing the pilot assembly should be inspected for damage to any of the component parts and any lint or debris should be carefully removed from the aeration hole.

Check that the spark gap between the electrode and thermocouple is between 2.5 and 4mm.

Some appliances may experience nuisance shut down of the pilot. A pilot shield kit (Baxi Part No. 237319) is available to prevent this.



#### REPLACING THE FIRE

Once the boiler has been serviced, the fire can be replaced.

Locate the fire flue spigot into the boiler canopy and whilst ensuring that the down-draught diverter on the fire unit passes over the boiler controls heat shield, push the fire back against the backing plate. The fire is secured to the backing plate using the screws previously removed.

Re-connect the gas supply pipe to the fire inlet.

# EXAMINATION AND ASSEMBLY OF COMPONENT PARTS

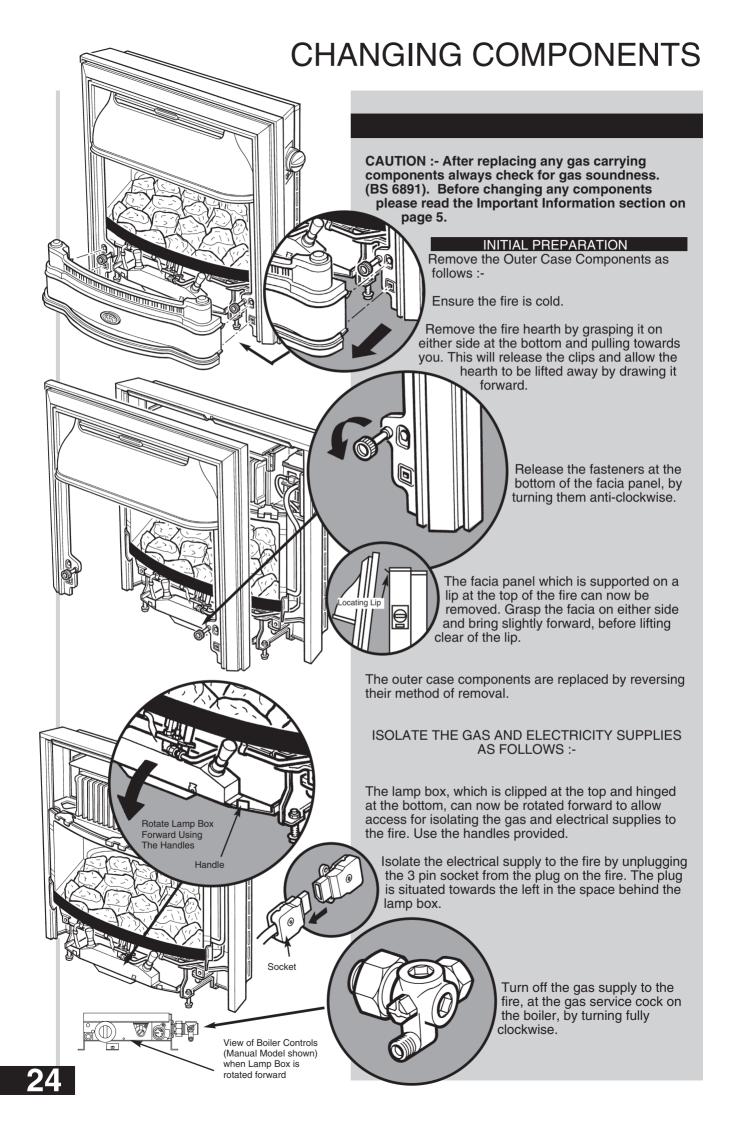
Examine the coalbed for damage and ensure that the apertures are free from blockages. If any damage has occurred then a new coalbed should be fitted. The coalbed is re-fitted by lowering it onto the location pins.

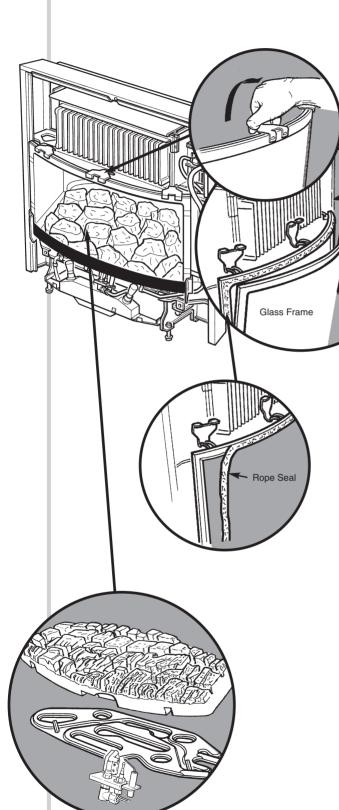
Examine the glass frame sealing rope on the fire and if any damage has occurred, fit a new one.

Examine the glass frame assembly and if it is in any way damaged, then a new one must be fitted. If satisfactory, the glass frame assembly should now be fitted. Lower the glass frame assembly into its bottom location positions and push back onto the sealing rope. Engage the clips onto the front edge of the glass frame and push down to lock. The centre clip should be secured before the outer clips.

#### RECOMMISSIONING

After servicing the appliance it must be recommissioned by refering to the instructions contained in the section "Commissioning the Fire".





#### LIGHT BULBS

Your attention is drawn to the safety notice found on the lamp box. With the electricity supply to the fire isolated, the light bulbs can be changed as necessary. They should only be replaced with 15 Watt pygmy bulbs.

#### **GLASS FRAME ASSEMBLY**

Ensure that the glass panel is cold.

The 3 clips that secure the glass frame assembly are now visible across the top edge of the glass frame. The two outer clips should be released before the centre one. Release the clips by gripping centrally and pulling upwards.

When the clips are released, the glass frame assembly will lean outwards to rest on its bottom location positions, from which it can be lifted clear of the fire.

Fit the new glass frame assembly by lowering it into its bottom location positions and pushing it back onto the sealing rope. Engage the clips onto the front edge of the frame and push down to lock. The centre clip should be secured before the outer clips.

#### **ROPE SEAL**

Remove the glass frame assembly.

Pull the rope seal out of its location channel and discard.

Fit the new rope seal into the location channel by locating the centre of the rope seal into the centre of the top location channel and working around the channel so that there is an equal length down either side

Replace the glass frame assembly.

#### **COAL BED**

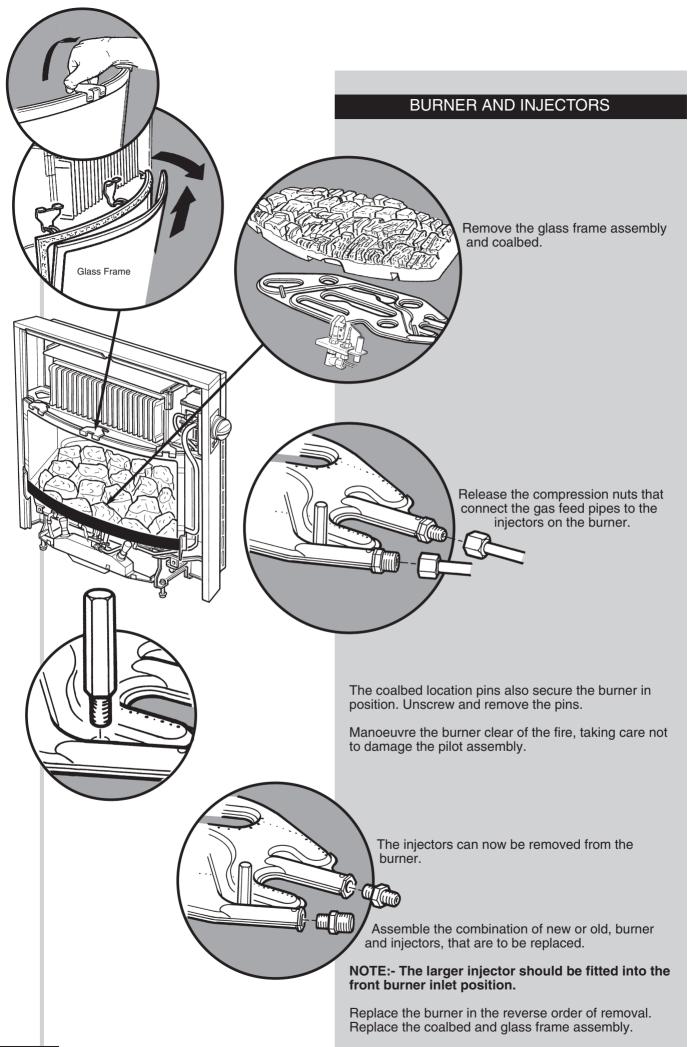
Remove the glass frame assembly.

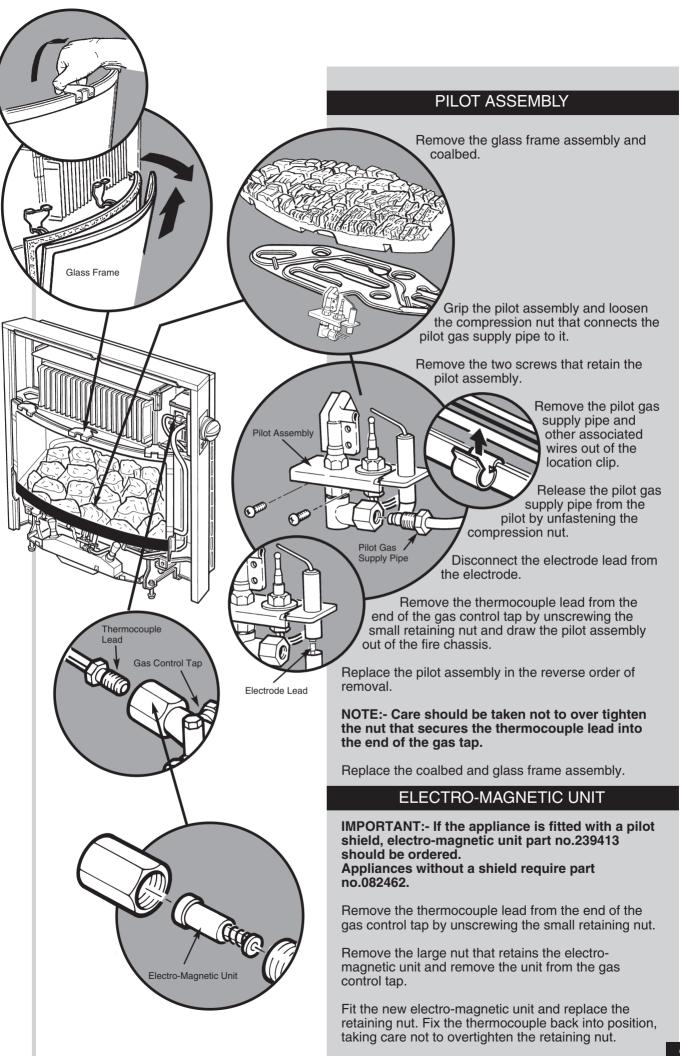
The coalbed is positioned on two locating pins. Lift the coalbed vertically to clear the pins.

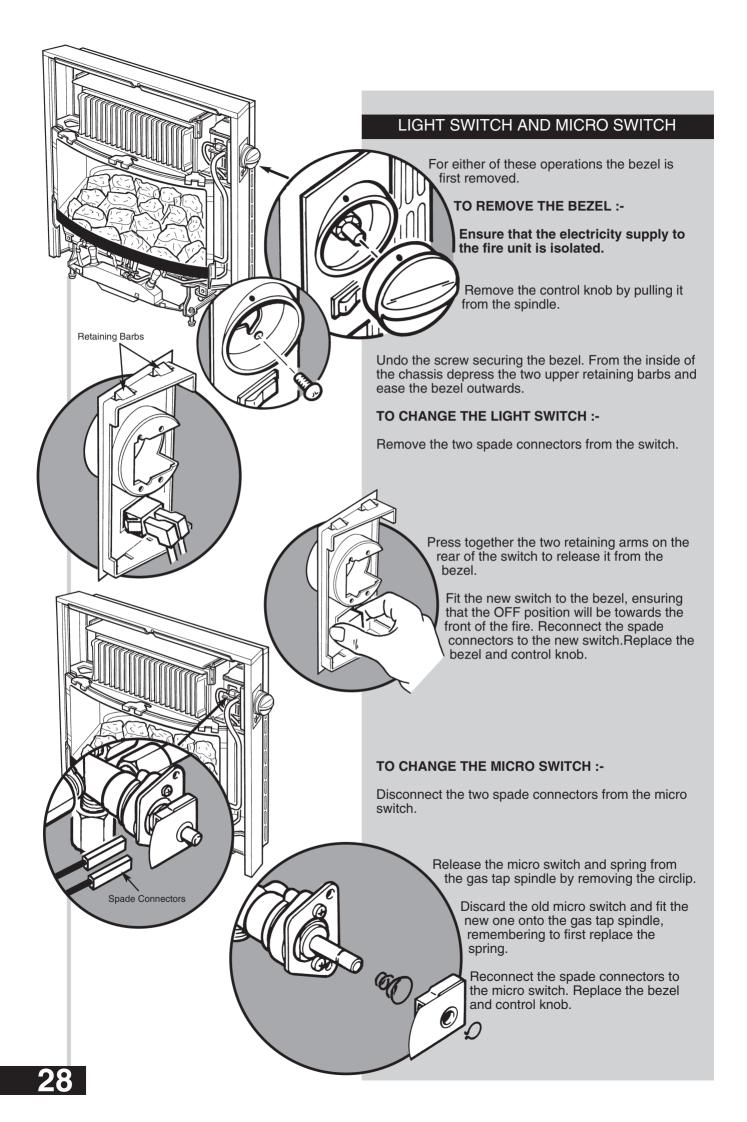
CAUTION:- The coalbed is extremely fragile and must be handled accordingly. Gloves should be worn and any inhalation of the dust should be avoided. Keep the coals away from children at all times

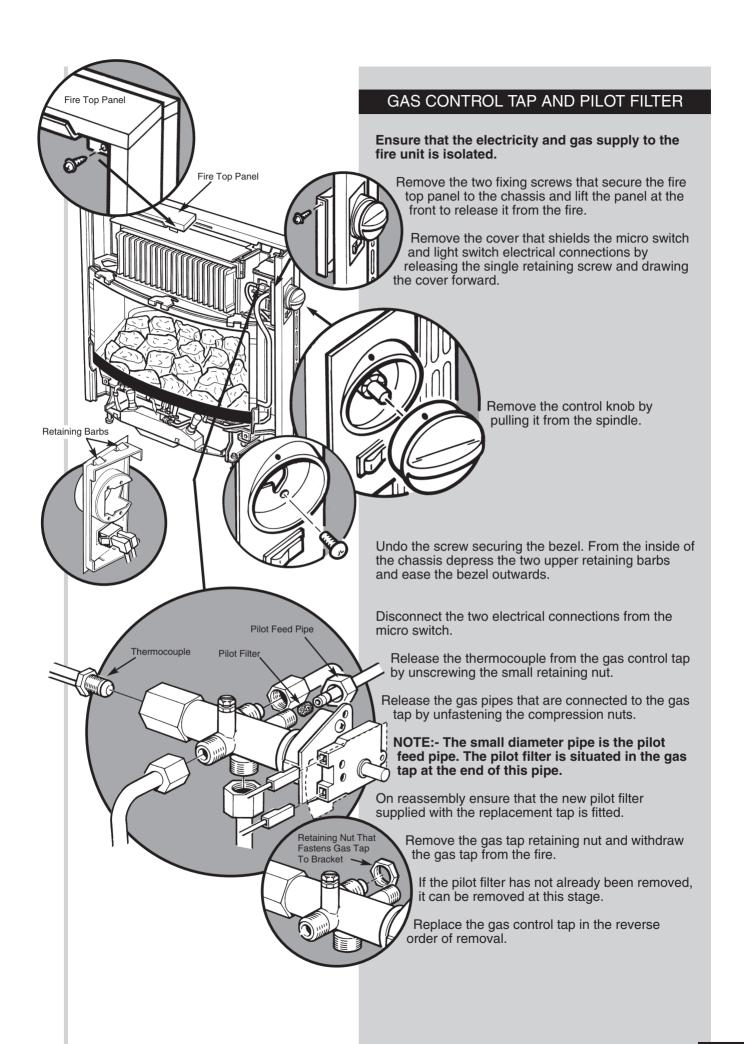
Fit the new coalbed by lowering it onto the location pins.

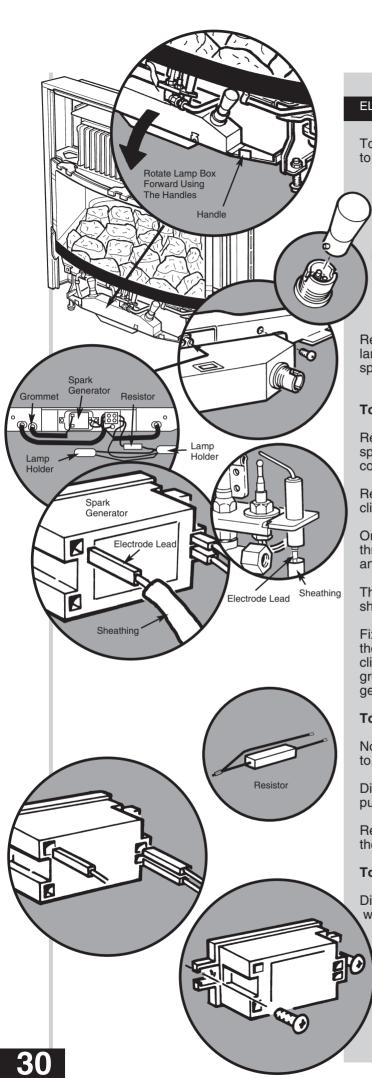
Replace the glass frame assembly.











#### ELECTRODE LEAD, RESISTOR OR SPARK GENERATOR

To replace any of these components it is necessary to gain access to the inside of the lamp box.

The lamp box, which is clipped at the top and hinged at the bottom is rotated forward to lay flat. Use the handles provided.

Remove the bulbs.

Remove the two screws that secure the top half of the lamp box in place and bring it forward to expose the spark generator and resistor.

#### To change the electrode lead :-

Remove the spade connector that is attached to the spark generator and the spade connector that is connected to the electrode.

Remove the lead and its sheathing from the retention clips.

On entering the lamp box, the sheathing goes through a grommet. The grommet can be removed and the sheathing brought clear of the fire with it.

The old electrode lead is now withdrawn from the sheathing and replaced by the new one.

Fix the spade connector to the electrode and re-route the sheathing back to the lamp box, securing it in the clips from which it was previously removed. Refit the grommet and fix the spade connector to the spark generator. Replace the lamp box top.

#### To change the resistor :-

Note which terminals the resistor leads are connected to.

Disconnect the resistor leads from the terminals and pull the resistor out of the clip that retains it.

Refit the new resistor in the reverse order from which the old one was removed. Replace the lamp box top.

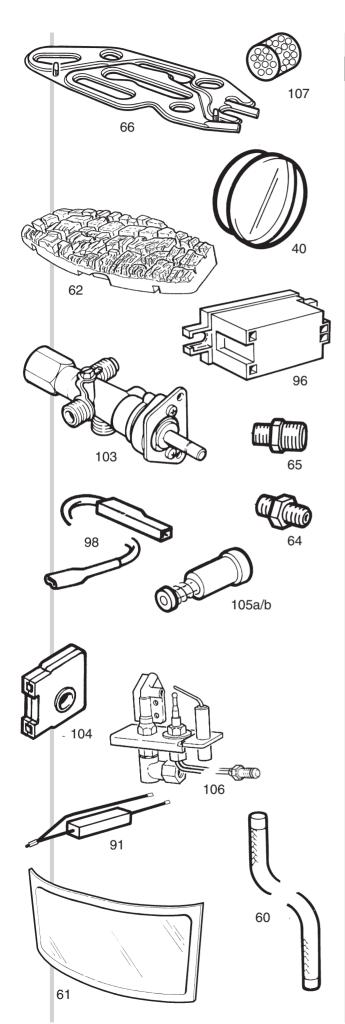
#### To change the spark generator :-

Disconnect the electrode lead and the electrical wiring from the spark generator.

Remove the two screws that secure the spark generator and use them to secure the new one in place.

Reconnect the electrical wiring and the electrode lead. Replace the lamp box top.

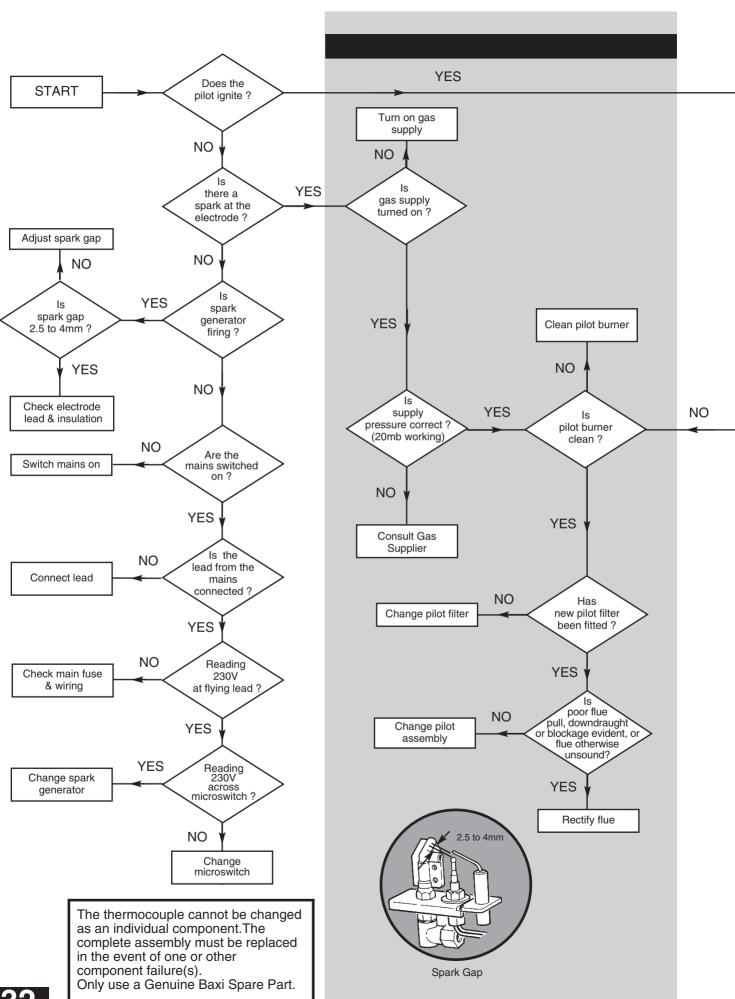
# SHORT PARTS LIST

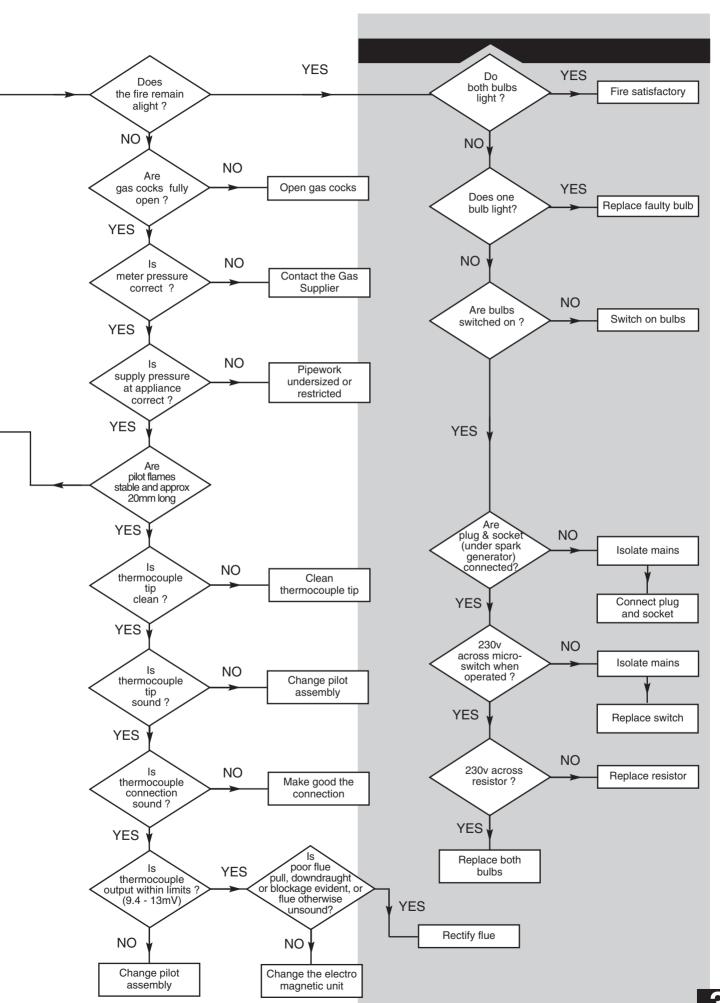


Key	G.C.	Description	Manufacturers
No.	No.		Part No.
61	156 232	Glass and Frame Assy	233864
40	156 233	Knob Fire Control	233466
60	156 063	Rope Seal	226876
106	156 301	Pilot Assembly	234099
103	E01-562	Kit - Tap - Gas Control	239411
105a	384 248	Electro Magnetic Unit	082462
105b	E01-617	Electro Magnetic Unit *	239413
104	364 997	Micro Switch Assy	232333
66	156 235	Burner - Special	232435
62	E01-124	Coal Bed	238964
65	379 784	Front Fire Injector F06	233460
64	386 807	Rear Fire Injector F02	226910
96	E01-948	Spark Generator	240257
98	156 237	Electrode Lead	233704
91	386 129	Resistor & lead assy 68	
107	205 723	Pilot Filter	082412

<sup>\*</sup>Alternative part-see page 25

# **FAULT FINDING**





#### **Renewal Firefront**

It is important that the existing installation is correct and that the flue is performing satisfactorily. Any remedial work necessary should be completed before the new appliance is commissioned. Please read the Important Information section on page 5.

WARNING: Renewal firefronts are fitted with an Atmospheric Sensing Device (A.S.D.). If they are installed in conjunction with a boiler NOT fitted with an A.S.D. (i.e. 401, 552, 45/3 & 57/3), under adverse flue conditions the boiler WILL NOT shut down.

**NOTE:** A permanent live is required for correct operation of the firefront.

#### **Additional Installation Instructions**

Bermuda RG3 Renewal G.C.Nº 37 075 06A

The kit supplied with Renewal appliances provides all the necessary components to fit a Baxi Bermuda RG3 Renewal firefront to the following Bermuda Boilers.

The Renewal Fires may be used with the following Boilers:

Bermuda 401	G.C.N° 44 077 49
Bermuda 552	G.C.N° 44 077 50
Bermuda 45/3 M	G.C.N° 44 077 61
Bermuda 45/3 E	G.C.N° 44 077 60
Bermuda 57/3 M	G.C.N° 44 077 63
Bermuda 57/3 E	G.C.N° 44 077 62
Bermuda 45/4 M	G.C.N° 44 077 71
Bermuda 45/4 E	G.C.N° 44 077 73
Bermuda 57/4 M	G.C.N° 44 077 72
Bermuda 57/4 E	G.C.N° 44 077 74
Bermuda 51/5	G.C.N° 44 075 06

## **Existing Fire**

#### REMOVING THE EXISTING FIRE

Isolate the gas and electrical supply, including any permanent live, to the combined appliance.

Remove the controls cover panel from the front of the fire.

Remove the tap control knob. Disconnect the electrical socket from the fire plug if fitted. Remove the screws securing the outercase to the innercase. Lift off the outercase.

Turn the gas service tap to the "Boiler only" position by turning 1/4 turn clockwise.

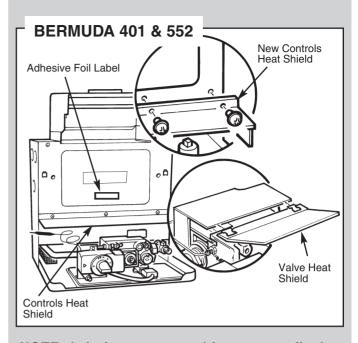
Remove the radiants if fitted.

Disconnect the supply pipe at the fire inlet.

Remove any screws securing the fire to the wall. Pull the fire forward until the flue spigot is clear of the boiler hood and lift away.

Remove and discard the fire supply pipe from the service gas tap. Disconnect and discard any electrical wiring between the boiler input terminal and the fire.

#### **Boiler Modification**

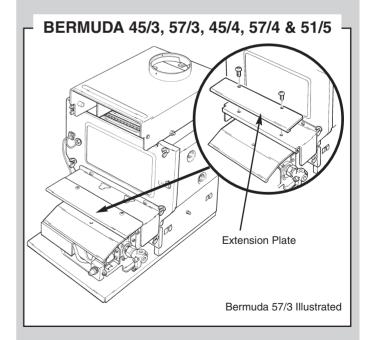


NOTE: It is important at this stage to fit the controls heat shield supplied with the fire unit to the boiler front panel.

Remove and discard the controls heat shield provided with the boiler and fit the new controls heat shield using the screws previously removed.

Fit the additional valve heat shield in position over the gas valve by engaging the two clips and pushing home as shown above.

Check the data badge on the back boiler. If the boiler internal wiring is not depicted, take the foil label from the kit and attach it below the data badge on the boiler front door.



If a radiant firefront has been installed previously it will be necessary to unscrew and remove the extension plate from the boiler controls heat shield. Once removed this item can be discarded.

If the fire is wall mounted remove and discard the existing support frame. (Bermuda 401 only) Retain the two support brackets. These will be needed in wall mounting the renewal fire.

If the fire is hearth mounted ensure that the base of the builders opening and the front hearth are at the same level.

Refer to "Site Requirements" (page 7) and prepare the wall surface to the dimensions specified.

#### WALL FIXING

Two wall fixing plates are supplied in the Renewal Kit, one for Bermuda 401/552 and one for Bermuda 45/3, 57/3, 45/4, 57/4 & 51/5.

#### BERMUDA 401 & 552

Take the fire support plate from the fire unit packaging and loosely attach it beneath the boiler base protruding from the fireplace opening using the M5 Nuts and screws provided. Use the centre group of holes at each side.

**NOTE:** If the fire is being used with a Bermuda 401 boiler unit, the support brackets from the previous plate must be fitted before the fire support plate can be fixed in place.

Push the support plate backwards until it touches the surround or wall face and tighten the screws to lock it in position.

#### BERMUDA 45/3, 57/3, 45/4, 57/4 & 51/5

Take the fire support plate from the fire unit packaging and loosely attach it above the boiler base protruding from the fireplace opening using the screws provided. Use the slots at each side.

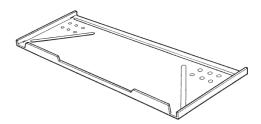
Push the support plate backwards until it touches the surround or wall face and tighten the screws to lock it in position.

#### **WIRING**

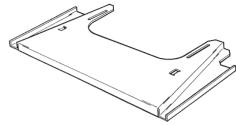
When connecting the firefront wire to the plug on the boiler base tray refer to pages 8-12 of these instructions.

Two fire supply pipes are supplied in the Renewal Kit, one for Bermuda 401 & 552 and one for Bermuda 45/3, 57/3, 45/4, 57/4 & 51/5. The smaller (6mm) diameter one is for Bermuda 45/3, 57/3, 45/4, 57/4 & 51/5 installations.

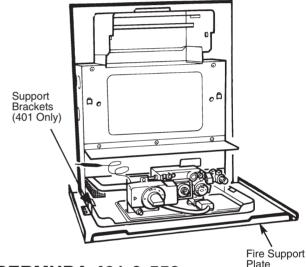
TO CONTINUE FITTING THE FIREFRONT REFER TO THE INSTALLATION CHAPTER OF THESE INSTRUCTIONS.



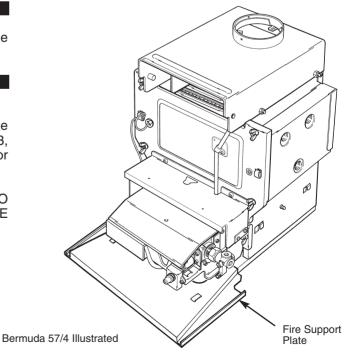
Fire Support Plate - Bermuda 401 & 552



Fire Support Plate - Bermuda 45/3, 57/3, 45/4, 57/4 & 51/5



**BERMUDA 401 & 552** 



BERMUDA 45/3, 57/3, 45/4, 57/4 & 51/5