



## *E-Studio*<sup>TM</sup> & *E-Box*<sup>TM</sup>

# Instructions for Use, Installation and Servicing

For use in GB, IE (Great Britain & Republic of Ireland)

### IMPORTANT

This product contains a Heat resistant glass panel. This panel should be checked during Installation and at each servicing interval. If any damage is observed on the front face of the glass panel (scratches, scores, cracks or other surface defects), the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed, the glass panel is removed or broken.

Parts of this appliance will become hot during operation; it is therefore recommended that a suitable guard should be used for protection of young children, the elderly or infirm.

This appliance is guaranteed for 2 years (subject to the conditions on page 3 of this Instruction manual). The second year of the guarantee will only be valid if the annual service recommended in this Instruction manual has been completed by a GasSafe registered engineer, and a copy of the service report is available for inspection by a Gazco engineer.

These Instructions must be left with the appliance for future reference and for consultation when servicing the appliance. Please make the customer aware of the correct operation of the appliance before leaving these instructions with them.

The commissioning sheet found on Page 3 of this Instruction manual must be completed by the Installer prior to leaving the premises.

# CONTENTS

## Covering the following models:

### E-BOX:

COAL NG: 112-302

PEBBLE NG: 112-177

COAL LPG: 112-494

PEBBLE LPG: 112-419

### E-STUDIO:

NG: 112-284

LPG: 112-597

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# APPLIANCE COMMISSIONING CHECKLIST

## IMPORTANT NOTICE

Explain the operation of the fire to the end user, hand the completed instructions to them for safe keeping, as the information will be required when making any guaranteed claims.

FLUE CHECK	PASS	FAIL
1. Flue is correct for appliance		
2. Flue flow test		
3. Spillage test		
GAS CHECK		
1. Gas soundness & let by test		
2. Standing pressure test	mb	
3. Appliance working pressure (on High Setting) N.B. All other gas appliance must be operating on full	mb	
4. Gas rate	m <sup>3</sup> /h	
5. Does ventilation meet the appliance requirements		

## DEALER AND INSTALLER INFORMATION

Dealer .....

Installation Company .....

Contact No. ....

Engineer .....

Date of Purchase .....

Contact No. ....

Model No. ....

Gas Safe Reg No. ....

Serial No. ....

Date of Installation .....

Gas Type .....

This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. **This guarantee will be invalid, to the extent permitted by law, if the above Appliance Commissioning Checklist is not fully completed by the installer and available for inspection by a Gazco engineer.** The guarantee will only be valid during the second year, to the extent permitted by law, if the annual service recommended in the Instructions for Use has been completed by a Gas Safe registered engineer, and a copy of the service visit report is available for inspection by a Gazco engineer.

# USER INSTRUCTIONS

## 1. GENERAL

In the event of a gas escape or if you can smell gas, please take the following steps:

- Immediately turn off the gas supply at the meter/emergency control valve.
- Extinguish all sources of ignition.
- Do not smoke.
- Do not operate any electrical light or power switches (On or Off).
- Ventilate the building(s) by opening doors and windows.
- Ensure access to the premises can be made.

Please report the incident immediately to the National Gas Emergency Service Call Centre on 0800 111 999 (England, Scotland and Wales) , 0800 002 001 (N. Ireland) or in the case of LPG, the gas supplier whose details can be found on the bulk storage vessel or cylinder.

**The gas supply must not be used until remedial action has been taken to correct the defect and the installation has been recommissioned by a competent person.**

- 1.1 Installation and servicing must only be carried out by a competent person whose name appears on the Gas Safe register. To ensure the engineer is registered with Gas Safe they should possess an ID Card carrying the following logo:



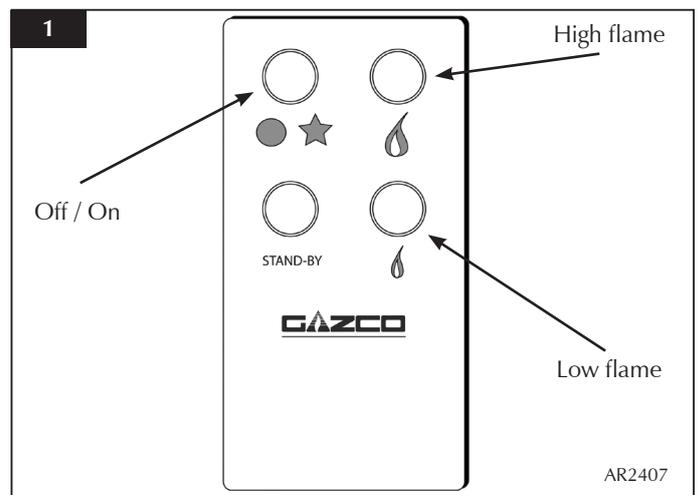
- 1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the data badge located on a plate attached to the lower slotted trim, Diagram 5 *Installation Section*.
- 1.3 **Do not place curtains above the fire:**  
You must have 300mm (1') clearance between the fire and any curtains at either side.
- 1.4 If any cracks appear in the glass panel do not use the appliance until the panel has been replaced.
- 1.5 In the unlikely event the appliance is receiving interference from other electronic devices, the handset/control box can be reprogrammed. Please consult your dealer if you think this may be the case.
- 1.6 If, for any reason, the flue has to be removed from the appliance, the seals must be replaced in the inner spigot.

- 1.7 Do not obstruct the flue terminal in any way, i.e. by planting flowers, trees shrubs etc in the near vicinity or by leaning objects up against the terminal guard.
- 1.8 Do not use a garden sprinkler or hose near the terminal.
- 1.9 This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. Please consult with your local Gazco dealer if you have any questions. In all correspondence always quote the Model Number and Serial Number.

## 2A. LIGHTING THE APPLIANCE

The appliance can be operated manually or by remote control. A beep can be heard each time a button is pressed on either control. To operate the appliance manually:

- 2.1 The manual control touch pad is located on the front of the appliance. To access the touch pad please refer to the separate frame instructions (supplied with frame). The orientation of the control pad in Diagram 1 has been altered for ease of viewing.
- 2.2 One button turns the appliance both On and Off (see Diagram 1). Press and hold for approximately 3 seconds to ignite the fire. The pilot will light and the fire will ignite after approximately 10 seconds. The fire will be automatically set to high flame.
- 2.3 To switch from high flame to low flame press the low flame button once (see Diagram 1).
- 2.4 To switch directly back to high flame press the high flame button once (see Diagram 1).



- 2.5 To gradually decrease the flame height press and hold the low flame button until the desired setting is reached (see Diagram 1).

# USER INSTRUCTIONS

- 2.6 To gradually increase the flame height press and hold the high flame button until the desired setting is reached (see Diagram 1).
- 2.7 The flame height can now be moved through the range of settings by pressing and holding the high flame button to increase flame height or the low flame button to decrease flame height as desired.
- 2.8 If the appliance is in Stand-by mode (see Section 2B) press the high flame button once to ignite the fire. The flame height can then be adjusted as described above.

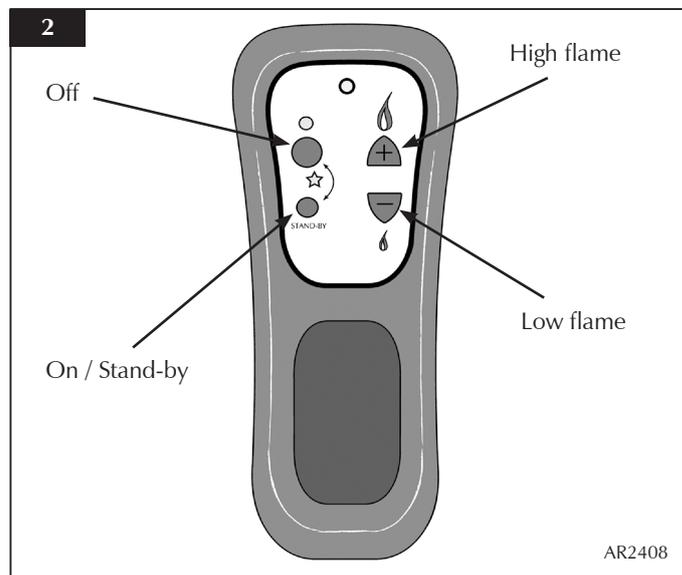
## 2B. TURNING THE APPLIANCE OFF - MANUAL CONTROL

- 2.9 To turn the fire off but leave the pilot lit press the Stand-by button once (see Diagram 1).
- 2.10 To turn the appliance off completely press the On / Off button once (see Diagram 1).

## 3A. LIGHTING THE APPLIANCE - REMOTE CONTROL

The remote control sends signals to an infrared sensor which must be mounted on the appliance. Refer to the separate frame instructions for details on installing the sensor. To operate the appliance using the remote control handset:

- 3.1 The remote control handset has a two button ignition safety feature. To light the fire press both the On / Standby button and the Off button at the same time (see Diagram 2). The pilot will light and the fire will ignite after approximately 10 seconds. The fire will be automatically set to high flame.
- 3.2 To switch from high flame to low flame press the low flame button once (see Diagram 2).
- 3.3 To switch directly back to high flame press the high flame button once (see Diagram 2).



- 3.4 To decrease the flame height press and hold the low flame button until the desired setting is reached (see Diagram 2).
- 3.5 To increase the flame height press and hold the high flame button until the desired setting is reached (see Diagram 2).
- 3.6 The flame height can now be moved through the range of settings by pressing and holding the high flame button to increase flame height or the low flame button to decrease flame height as desired.
- 3.7 If the appliance is in Stand-by mode (see Section 3B) press the high flame button once to ignite the fire. The flame height can then be adjusted as described above.

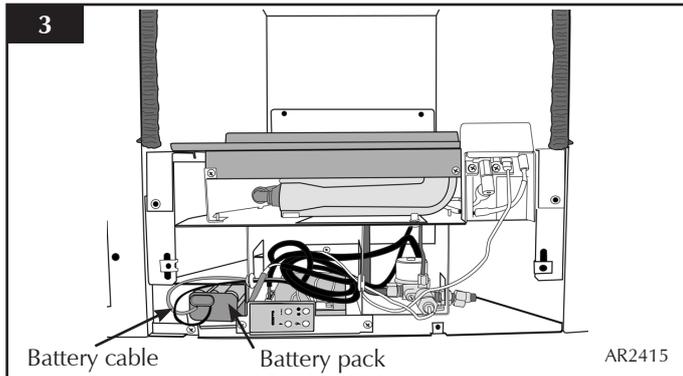
## 3B. TURNING THE APPLIANCE OFF - REMOTE CONTROL

- 3.8 To turn the fire off but leave the pilot lit press the On / Stand-by button once (see Diagram 2).
- 3.9 To turn the appliance off completely press the Off button once (see Diagram 2).

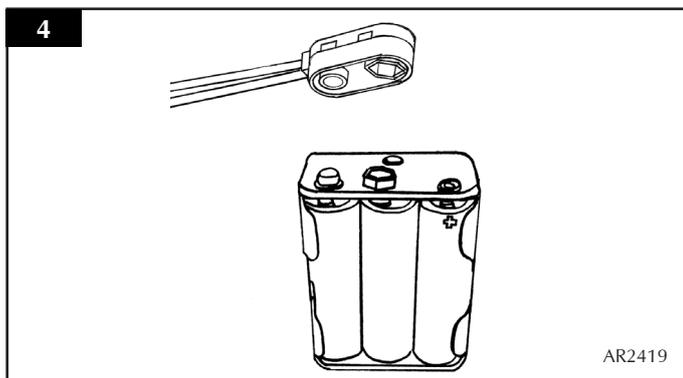
# USER INSTRUCTIONS

## 4. CHANGING THE BATTERIES

4.1 The battery pack can be found to the right of the control touch pad (see Diagram 3).



4.2 The control box requires 6 x AA batteries. Disconnect the battery pack from its cable (see Diagram 4) and replace all 6 x batteries together, like for like. Ensure all batteries are correctly orientated.



4.3 Reattach the cable from the control box to the battery pack and reposition the pack as shown in Diagram 4.

4.4 The remote handset requires 1x 9v (PP3) battery. Remove the battery compartment panel on the back of the handset and replace battery like for like.

4.5 Replace the battery compartment panel.

### ELECTRONIC CONTROL VALVE FAULT ANALYSIS

4.6 If the batteries are low or there is a problem with certain parts of the appliance a series of beeps will be heard. The beeps will continue until the batteries are disconnected and/or replaced. Please refer to the trouble shooting table below for diagnosis:

Sound Alarm (no. of beeps)	Failure	Action
6	Battery voltage too low for system to operate	<p>Replace the batteries (see Section 5, above).</p> <p>Before reinserting battery pack ensure the beeps have stopped, wait 5 seconds then reinsert pack.</p> <p>If, after replacing batteries, the beep does not stop ignite the fire to clear the problem.</p>
7	Low battery	<p>Replace the batteries (see Section 5, above).</p> <p>Before reinserting battery pack ensure the beeps have stopped, wait 5 seconds then reinsert pack.</p> <p>If, after replacing batteries, the beep does not stop ignite the fire to clear the problem.</p>

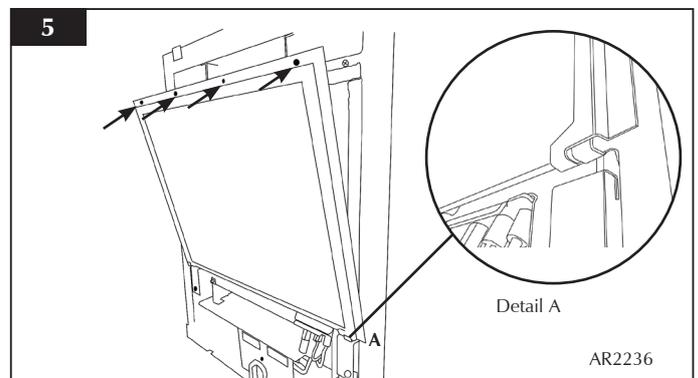
5.7 If the number of beeps heard differs from the table above please call Gazco Technical Services on 01392 261950 for further advice.

## 5. CLEANING THE APPLIANCE

### ENSURE THE APPLIANCE IS COLD BEFORE PROCEEDING

5.1 Refer to the separate frame instructions (supplied with frame) to remove the frame from the appliance.

5.2 Remove the glass window by unscrewing the 4 x screws in the retaining bracket (see Diagram 5).



5.3 Lift the glass off the lower location tabs (Detail A) and carefully place to one side.

# USER INSTRUCTIONS

## 6A. CLEANING THE E-STUDIO

- 6.1 To clean the glass surface, Gazco recommends you use a ceramic glass product generally sold for cleaning ceramic hobs.
- 6.2 Remove the granite chippings and place on a dry clean surface. Do not remove the enamel back panel.
- 6.3 Use a damp cloth and mild non-abrasive cleaner on the enamel back panel.
- 6.4 Clean the burner and tray assembly using a vacuum cleaner with a soft brush attachment.
- 6.5 Ensure all debris is removed from the burner ports.
- 6.6 Replace the granite chippings referring to Section 7A.

## 6B. CLEANING THE E-BOX

### ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS

The fuel effects and side panels in this appliance are made from Refractory Ceramic Fibre (RCF). Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

To ensure that the release of RCF fibres is kept to a minimum a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance.

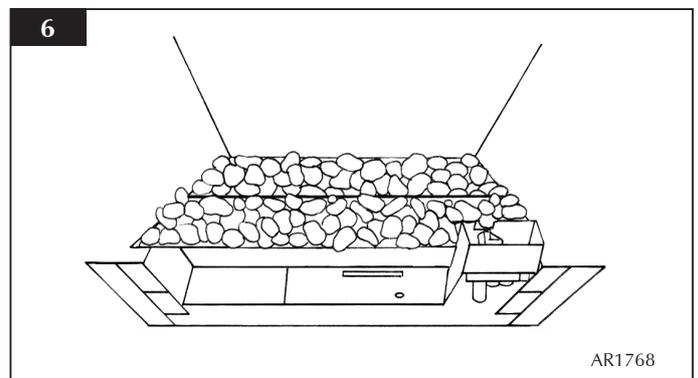
When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed into heavy duty polythene bags and labelled as RCF waste. RCF waste is classed as stable, non-reactive, hazardous waste and may be disposed of at a licensed landfill site.

- 6.7 After cleaning the appliance or replacing parts, carefully re-assemble the ceramic components.
- 6.8 To clean the glass surface, Gazco recommends you use a ceramic glass product generally sold for cleaning ceramic hobs.
- 6.9 Remove the ceramic coals or pebbles and fuel bed and place on a dry clean surface.
- 6.10 Clean the burner and tray assembly using a vacuum cleaner with a soft brush attachment.
- 6.11 Ensure all debris is removed from the ports.
- 6.10 Replace the ceramics by referring to section 6B.

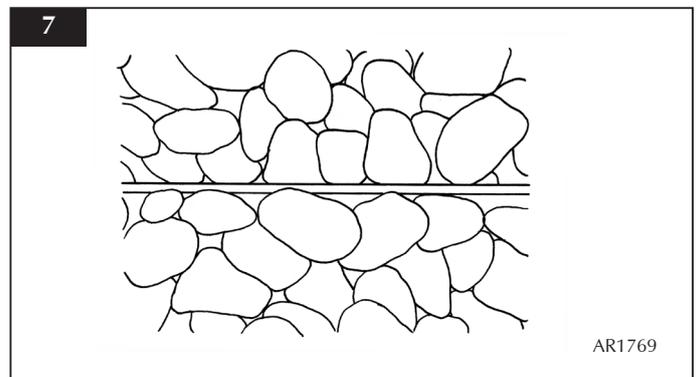
## 7A. ARRANGEMENT OF THE FUEL BED COMPONENTS - E STUDIO

**ONLY USE THE CORRECT TYPE AND QUANTITY OF GRANITE CHIPPINGS. ALWAYS FOLLOW THE FUEL BED LAYOUT AS STATED IN THESE INSTRUCTIONS. NEVER CHANGE THE LAYOUT FROM THAT SHOWN HERE.**

- 7.1 Arrange the granite chippings in the areas shown in Diagram 6. The chippings should be evenly distributed.



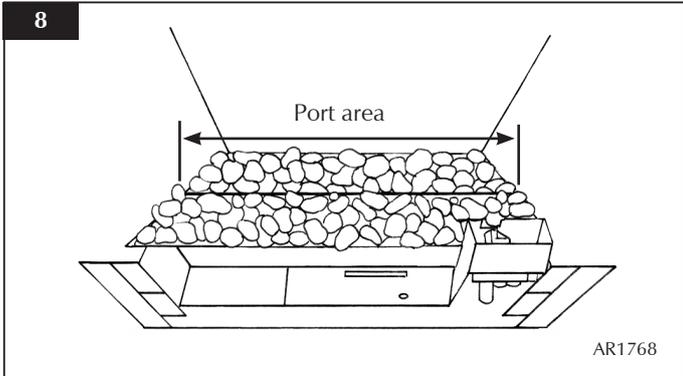
- 7.2 Lean the granite chippings against the burner ledges to disguise the ledges (see Diagram 7).



- 7.3 Check that the port area (see Diagram 8) is clear of granite chippings. This can be easily done by gently running a screwdriver or similar object along this area.

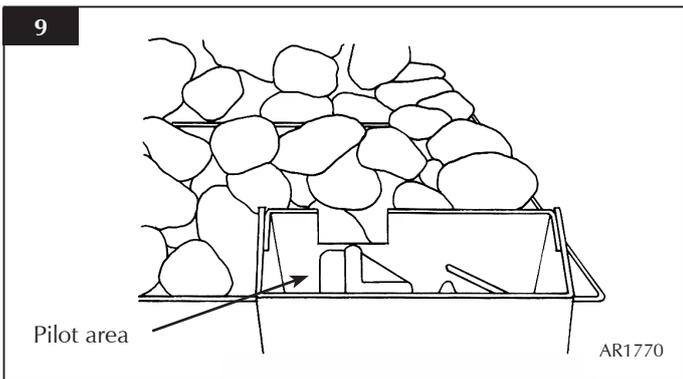
**NOTE: IT IS IMPORTANT THE GRANITE CHIPPINGS DO NOT COVER THE PORT AREA IN BETWEEN THE BURNER LEDGES.**

# USER INSTRUCTIONS



7.4 Ensure that no chippings overhang or fill the pilot area (see Diagram 9).

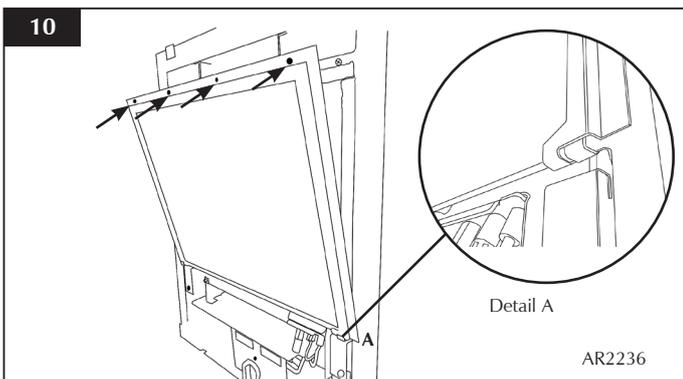
**NOTE: CHIPPINGS SHOULD NOT BE PLACED DIRECTLY IN FRONT OF THE PILOT CROSS LIGHTING FLAME.**



## FITTING THE GLASS WINDOW

7.5 Ensure that the fibre glass window seal on the box is intact, then lower the glass window into the lower location tabs on the box. The tabs should locate between the glass and the frame as shown in Detail A.

7.6 Secure the window using four screws in the retaining bracket (see Diagram 10).



**NEVER OPERATE THE APPLIANCE WHEN THE GLASS PANEL IS REMOVED OR BROKEN.**

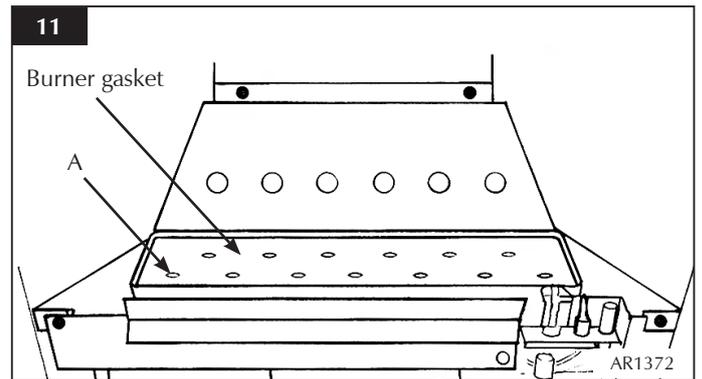
7.7 Refer to the separate frame instructions to replace the frame on the appliance.

## 7B. ARRANGEMENT OF THE FUEL BED COMPONENTS - E-BOX

**NOTE: CERAMIC PARTS ARE FRAGILE. THE SIDE AND REAR PANELS ARE REVERSIBLE. ONE SIDE IS PLAIN, THE OTHER SIDE IS REEDED.**

**ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS. ALWAYS FOLLOW THE FUEL BED LAYOUT AS STATED IN THESE INSTRUCTIONS. NEVER CHANGE THE LAYOUT FROM THAT SHOWN HERE.**

7.8 Position the burner cover gasket on the burner skin ensuring the holes align with the ports. Take care as the front left hand hole is offset (see Diagram 11, arrow A).

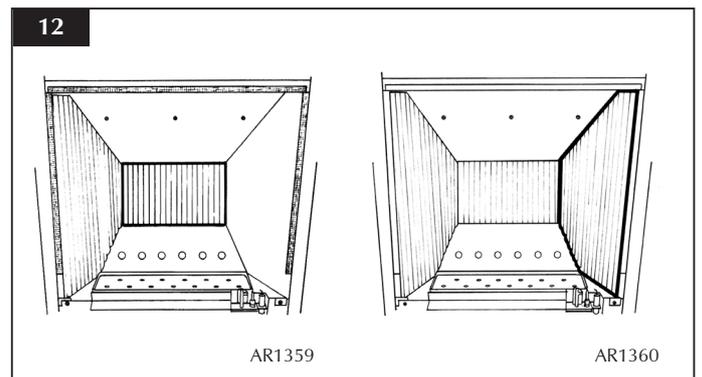


7.9 Place the rear panel against the rear of the box resting on the shelf.

7.10 Slide one of the side panels into the box ensuring it touches the rear panel.

7.11 Gently ease the front edge of the side panel behind the flange so it lies flat against the wall of the box.

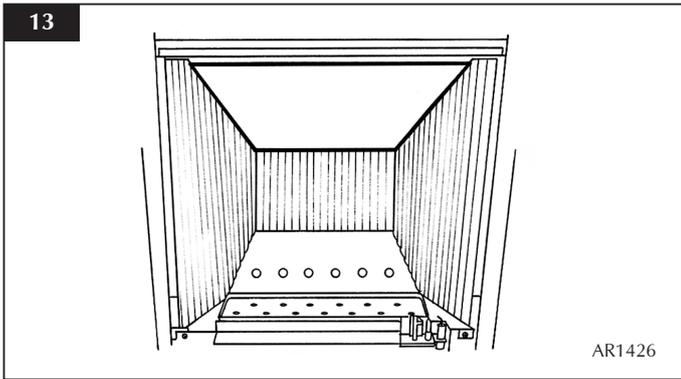
7.12 Repeat with the second side panel (see Diagram 12).



# USER INSTRUCTIONS

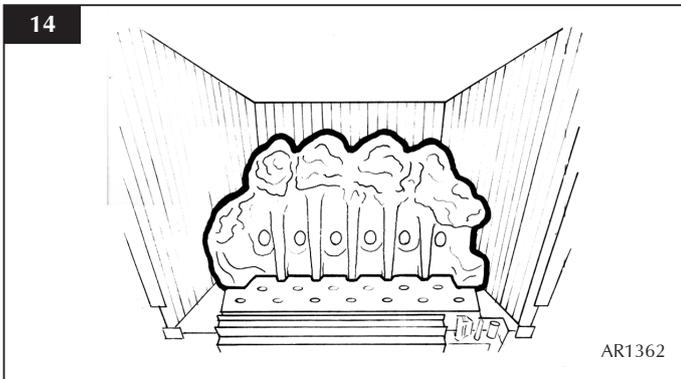
7.13 Locate the top panel on top of the sides and rear by lifting it up and forward inside the box.

7.14 Slide it backwards and down behind the side panels to rest on the rear panel (see Diagram 13).

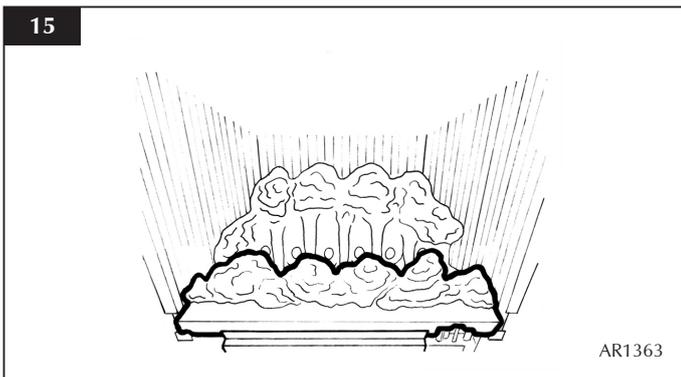


## COAL LAYOUT

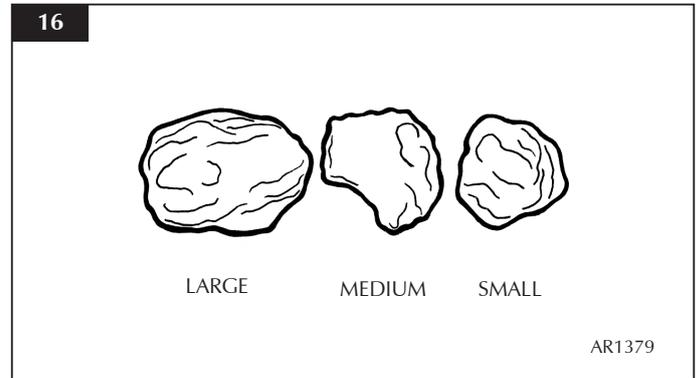
7.15 Position the flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin (see Diagram 14).



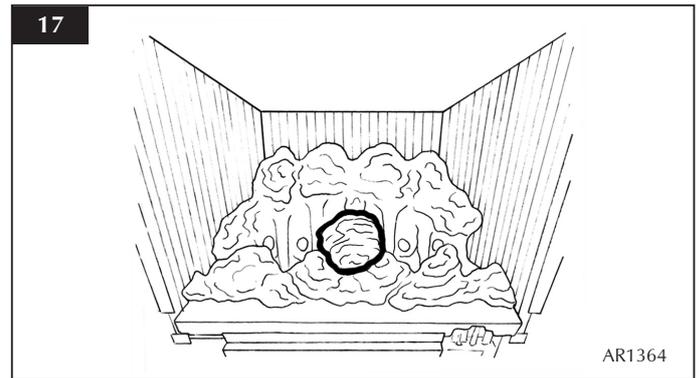
7.16 Place the front coal centrally in the channel at the front of the tray. The relationship between the front coal and the flame baffle is shown in Diagram 15.



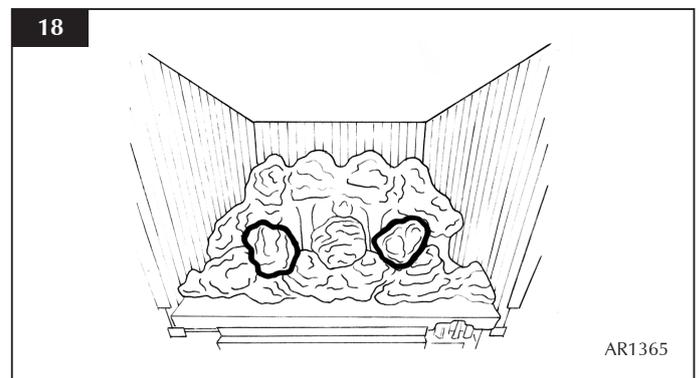
7.17 There are three sizes of coal used. Small x 3, medium x 4 and large x 1. For identification see Diagram 16.



7.18 Place the single large coal in the central dent of the front coal, resting against the flame baffle (see Diagram 17).

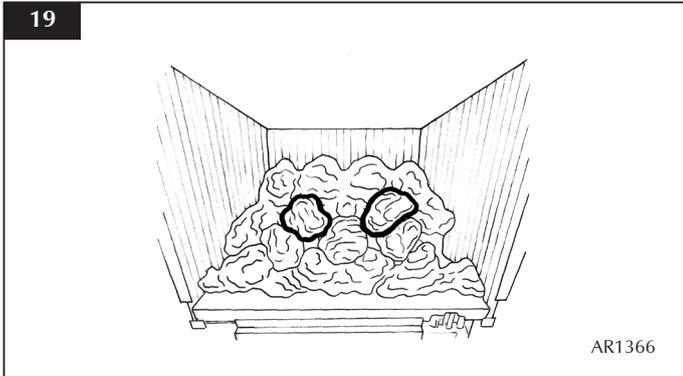


7.19 Place 2 medium-size coals either side of the first large coal in the recess between the flame baffle and the front coal (see Diagram 18).

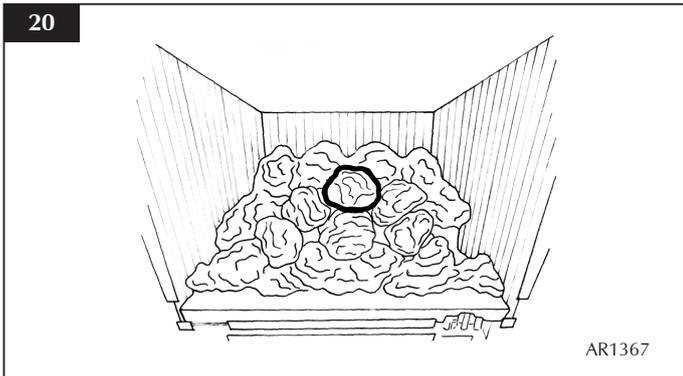


# USER INSTRUCTIONS

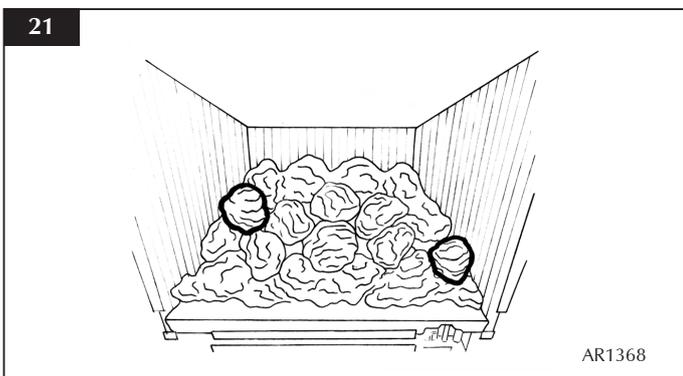
7.20 Place another two medium size coals behind the first three coals and against the flame baffle (see Diagram 19).



7.21 Place a small coal directly behind the first large coal and in between the centre of the last two medium coals, resting on the flame baffle (see Diagram 20).

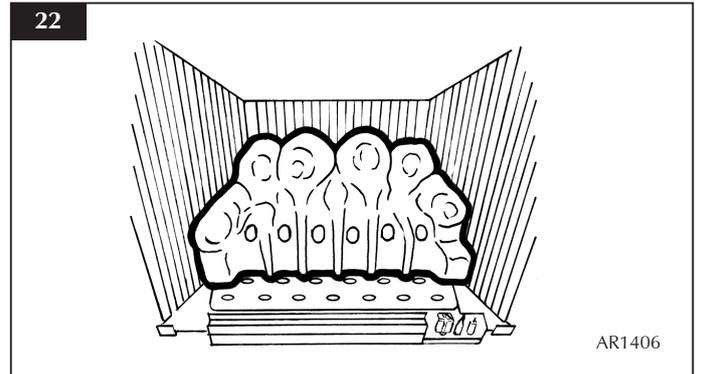


7.22 Place the last two small coals to the left and right hand side of the bed in the two spaces (see Diagram 21).

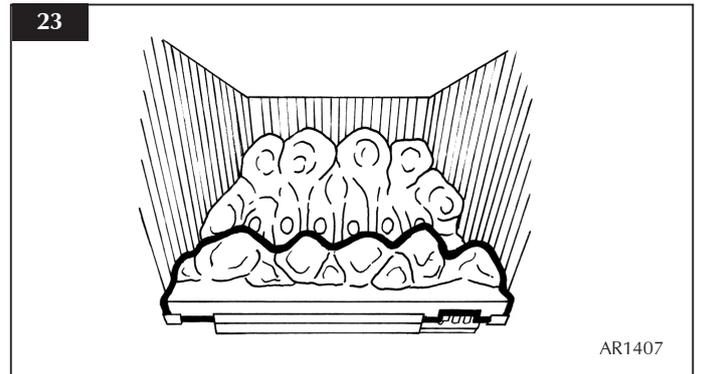


## PEBBLE LAYOUT

7.23 Position the pebble flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin (see Diagram 22).



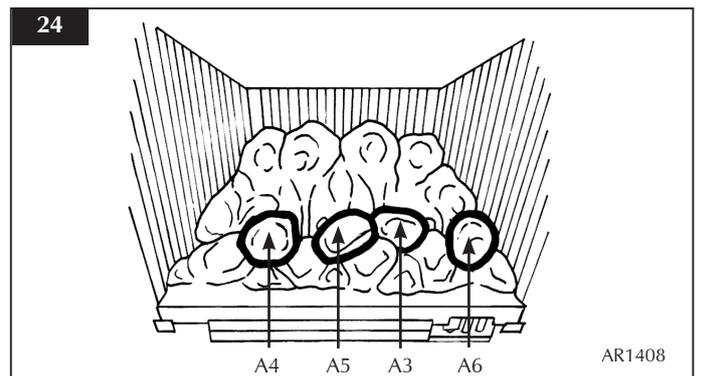
7.24 Place the front pebble piece centrally in the channel at the front of the tray (see Diagram 23).



7.25 There are 10 loose pebbles in the set supplied. Each pebble is individually marked. The quantity of each type is shown below:

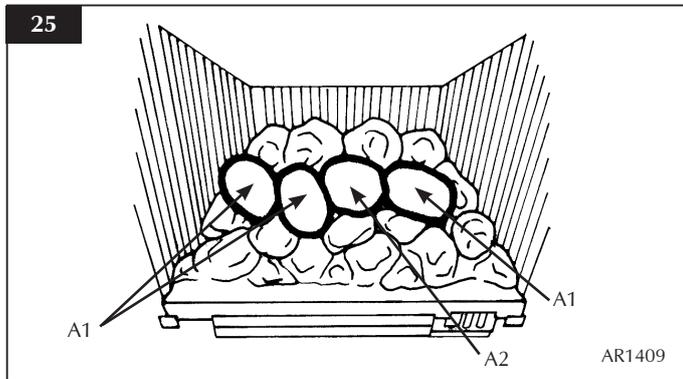
A1 x 3	A4 x 1
A2 x 1	A5 x 1
A3 x 3	A6 x 1

7.26 Place the four pebbles as identified resting between the front ceramic and the flame baffle as shown in Diagram 24.

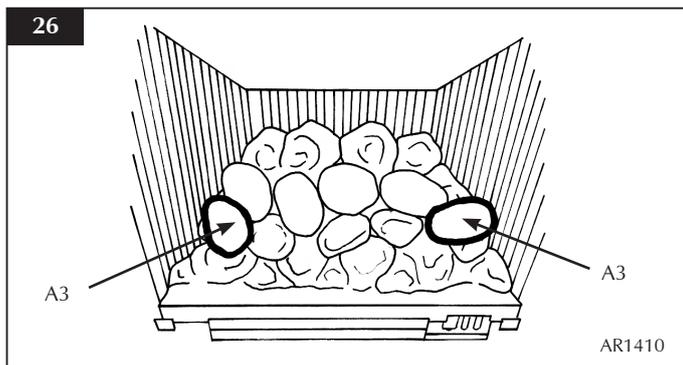


# USER INSTRUCTIONS

- 7.27 Place the next four pebbles as shown resting between the flame baffle and the first row of pebbles (see Diagram 25).



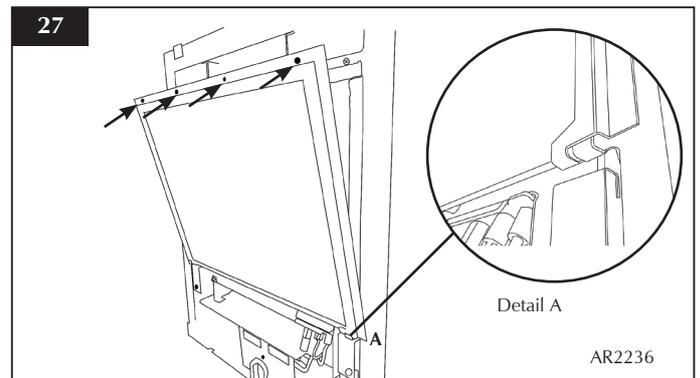
- 7.28 Place the remaining two A3 pebbles as shown in Diagram 26.



- 7.29 The coals/pebbles should evenly cover the whole bed with the gaps between them kept equal. This will maximise the performance of the product.
- 7.30 **ENSURE THAT THE COALS/PEBBLES ARE POSITIONED AS ABOVE. ONLY USE THE CORRECT AMOUNT OF COALS/PEBBLES AS SPECIFIED IN THE DIAGRAMS.**

## FITTING THE GLASS WINDOW

- 7.31 Ensure that the fibre glass window seal on the box is intact, then lower the glass window into the lower location tabs on the box. The tabs should locate between the glass and the frame, Detail A.
- 7.32 Secure the window using four screws in the retaining bracket (see Diagram 27).



**NEVER OPERATE THE APPLIANCE WHEN THE GLASS PANEL IS REMOVED OR BROKEN.**

## 8. OXYGEN DEPLETION SENSOR

- 8.1 The appliance is fitted with an oxygen sensitive pilot system that will act to cut off the gas supply to the fire should the oxygen in the room fall below its normal level. If the fire is turned off by this device, it usually indicates that there is a problem with the flue system, and this should be inspected by a qualified engineer. **Do not attempt to use the fire until an engineer says it is safe to do so.**

**This device is not a substitute for an independently mounted carbon monoxide detector.**

## 9. FLAME FAILURE DEVICE

- 9.1 This is a safety feature incorporated in all GAZCO fires which automatically switches off the gas supply if the pilot light goes out and fails to heat the thermocouple.

## 10. RUNNING IN

- 10.1 The surface coating on the coals used in your GAZCO fire will burn off during the first few hours of use, producing a harmless and temporary odour. This will disappear after a short period of use. If the odour persists, ask your installer for advice.

# USER INSTRUCTIONS

## 11. SERVICING

- 11.1 The appliance must be serviced every 12 months by a qualified Gas Engineer. In all correspondence, always quote the fire type and serial number, which may be found on the data badge located on chain beneath the control valve.

## 12. VENTILATION

- 12.1 Any purpose provided ventilation should be checked periodically to ensure that it is free from obstruction.

## 13. INSTALLATION DETAILS

- 13.1 To assist in any future correspondence, your installer should have completed the commissioning sheet at the front of this manual. In all correspondence always quote the Model Number and Serial Number.

## 14. HOT SURFACES

- 14.1 Parts of this appliance become hot during normal use. It is therefore recommended that a suitable fire guard be used for protection of young children and the infirm. Indeed, all parts of the appliance should be treated as a working surface except for the control access panel.

# INSTALLATION INSTRUCTIONS

## TECHNICAL SPECIFICATION

### E-Studio Models:

NG: 112-284      LPG: 112-597

GAS CATEGORY		I <sub>2H</sub>	I <sub>3P</sub>
		Natural	Propane
Gas Type		G20	G31
Working Pressure		20mbar	37mbar
Gross Input kW	HIGH	4.3kW	4.1kW
	LOW	2.5kW	2.3kW
Gas Rate m <sup>3</sup> /hr		0.41	0.153
Efficiency Class		2	2
NO <sub>x</sub> Class		4	4
Injector Size		240	102
Aeration Size		6 x 6mm	12mm x 15mm
Min Flue Size		5" Diameter	
Min Flue Size - Pre-cast		90mm x 183mm (16500mm <sup>2</sup> )	
Min Flue Specification		T260/N2/O/D/1	
Gas Inlet		8mm	

APPLICABLE FRONTS	
FRONT	PART NUMBER
Designio	8272MA + 8272IR + 8272GP
Progress	8253MA + 8253IR
Dimension	8680MB
Evolution	8258BS + 8258MB
Steel	8695GP + 8695IR
Futura	8687BK
Fusion	8699GP + 8699IR
Winchester	8697MB + 8697P
Box Profil	912-114, 912-349, 912-521, 912-696

APPLICABLE FRAME & FRONT COMBINATIONS		
FINISH	ARTS FRAME	ARTS FRONT
Black	8283MB	8282MB
Brass	8283PBR	8282PBR
Brushed Steel	8283BS	
Polished Steel	8283P	
Highlight Polished		8282HP
Chrome		8282P

# INSTALLATION INSTRUCTIONS

## TECHNICAL SPECIFICATION

### E-Box models:

COAL NG: 112-302

PEBBLE NG: 112-177

COAL LPG: 112-494

PEBBLE LPG: 112-419

GAS CATEGORY		I <sub>2H</sub>	I <sub>3P</sub>		
		Natural	Propane		
Gas Type		G20	G31		
Working Pressure		20mbar	37mbar		
Gross Input kW	HIGH	5.1kW	4.8kW		
	LOW	2.5kW	2.5kW		
Gas Rate m <sup>3</sup> /hr		0.486	0.181		
Efficiency Class		2	2		
NO <sub>x</sub> Class		3	3		
Injector Size		063	150		
Aeration Size		<b>Coal</b>	<b>Pebble</b>	<b>Coal</b>	<b>Pebble</b>
		5mm x 16mm	10mm x 16mm	(1) 10mm x 16mm (1) 23mm x 15mm	(1) 14mm x 15mm (1) 23mm x 15mm
Min Flue Size		5" Diameter			
Min Flue Size - Pre-cast		90mm x 183mm (16500mm <sup>2</sup> )			
Min Flue Specification		T260/N2/0/D/1			
Gas Inlet		8mm			

### APPLICABLE FRONTS

FRONT	PART NUMBER	FRONT	PART NUMBER
Designio	8272MA + 8272IR + 8272GP	Yeoman	YM98906
Progress	8253MA + 8253IR	Futura	8687BK
Dimension	8680MB	Fusion	8699GP + 8699IR
Evolution	8258BS + 8258MB	Winchester	8697MB + 8697P
Richmond	8679	Box Profil	912-114, 912-349, 912-521, 912-696
Stockton	8696	Steel	8695GP + 8695IR

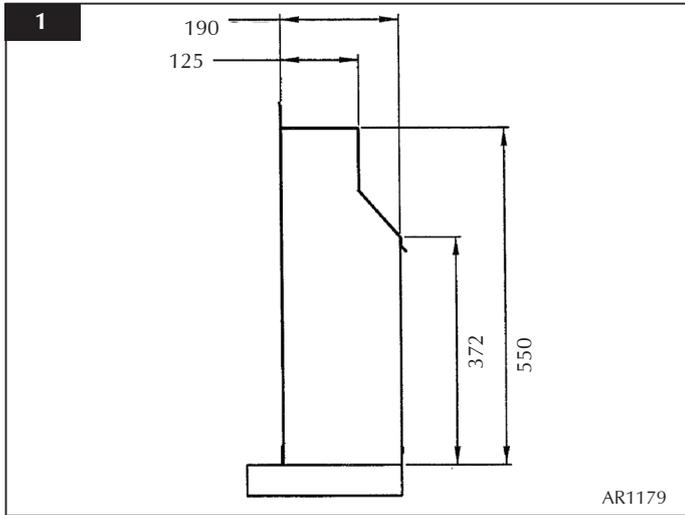
### APPLICABLE FRAME & FRONT COMBINATIONS

FINISH	** ARTS FRAME	ARTS FRONT	HOLYROOD	SPANISH
Black	8283MB	8282MB	8693MB	8694MB
Brass	8283PBR	8282PBR		
Black/Brass			8693PBB	8694PBB
Brushed Steel	8283BS			
Polished Steel	8283P			
Highlight Polished		8282HP	8693HP	8694HP
Chrome		8282P	8693P	8694P

\*\* The Arts Frame must be used in conjunction with either the Arts, Holyrood or Spanish Front.

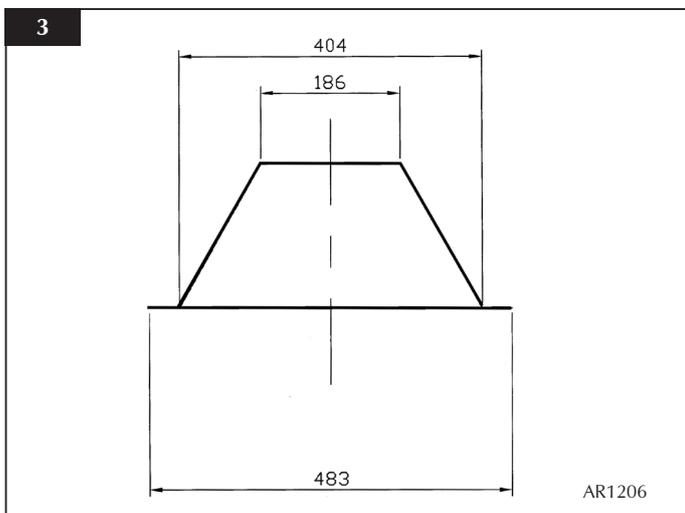
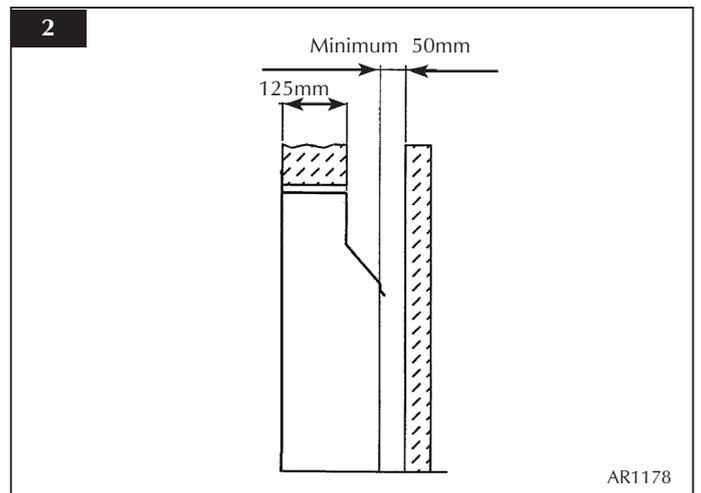
# INSTALLATION INSTRUCTIONS

## TECHNICAL SPECIFICATION



**OVERALL EXTERNAL  
DIMENSIONS  
SIDE VIEW**

**MINIMUM DEBRIS COLLECTION  
SPACE REQUIREMENTS-  
(EXISTING MASONRY CHIMNEYS ONLY)**



**OVERALL EXTERNAL  
DIMENSIONS  
PLAN VIEW**

# INSTALLATION INSTRUCTIONS

## SITE REQUIREMENTS

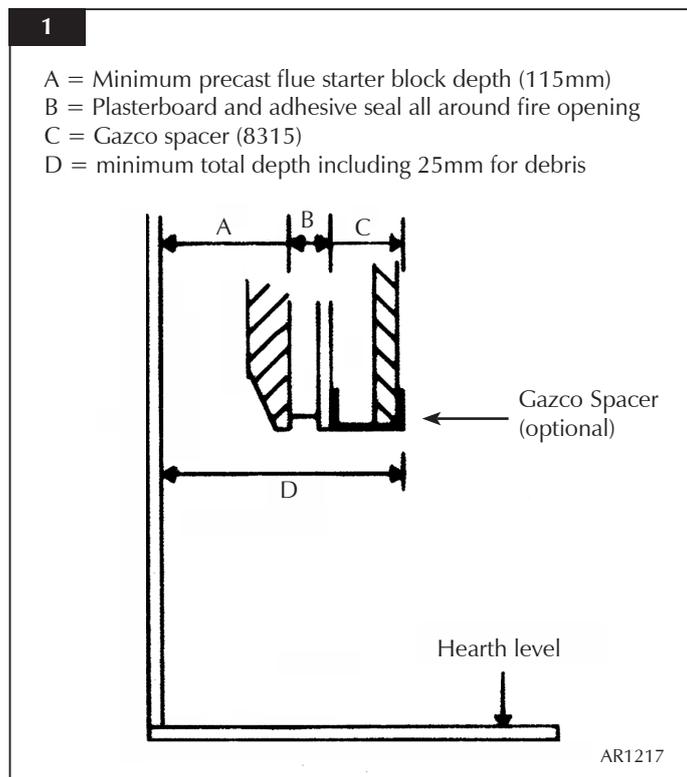
### 1. FLUE AND CHIMNEY REQUIREMENTS

- 1.1 The chimney or flue system must comply with the rules in force, and must be a minimum of 125mm (5") in diameter. Precast flues must conform to BS1289: 1986. The cross sectional area of the flue must be 16500 mm<sup>2</sup> with a minimum dimension of 90mm.

When fitting the appliance to a precast flue, the total minimum depth of fire opening necessary is (D) 215mm. This allows a 25mm space behind the appliance for debris, required on this type of flue system. This is achieved either by using (A) a 115mm deep starter block + (B) a 25mm plasterboard and sealed space + (C) 75mm Gazco Spacer (part no. 8315) with a marble slip or similar, inserted behind the spacer front flange (see Diagram 1).

Or the total depth can be achieved by using a deeper starter block, remedial building work to the front of the fireplace opening, and a marble slip or similar, or a combination of this.

**NEVER PLASTER DIRECT TO THE FACE OF A PRECAST FLUE. USE ADHESIVE TO FIX THE PLASTERBOARD TO THE FACE OF THE FLUE AND FINALLY SKIM THE PLASTERBOARD.**



The appliance can also be fitted into a metal flue box with a 125mm (5") diameter flexible liner. In this installation a 25mm (1") rebated fire surround must be used. Refer to Diagram 2 for dimensions.

- 1.2 The minimum effective height of the flue or chimney must be 3m (10').
- 1.3 The chimney or flue must be free from any obstruction. Any damper plates should be removed or secured in the fully open position, and no restrictor plates should be fitted.
- 1.4 The chimney should be swept immediately prior to the installation of the appliance - unless it can be seen to be clean and unobstructed throughout its entire length.
- 1.5 Ensure that there is a smooth taper transition from the fireplace opening into the chimney or flue.
- 1.6 The flue pull should be checked prior to installation of the appliance. Apply a smoke pellet to the flue or chimney opening and ensure that the smoke is drawn into the opening. If there is no definite flow preheat the chimney for a few minutes and re-test the flow.

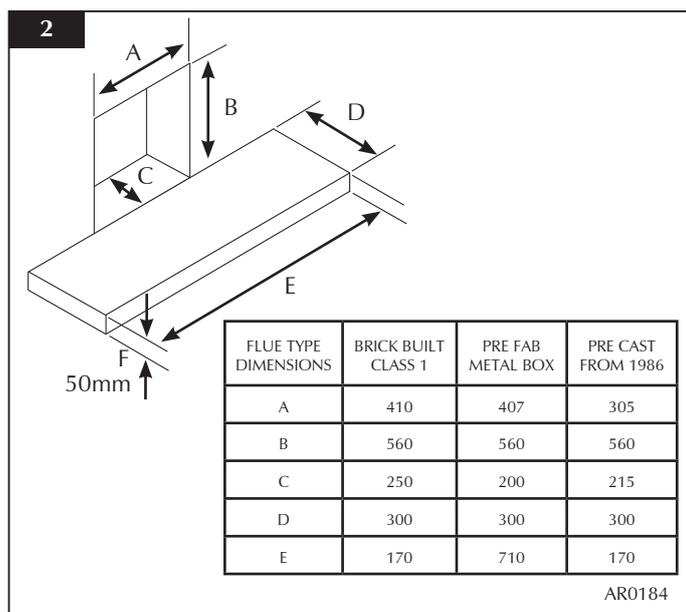
**IF THERE IS STILL NO DEFINITE FLOW, THE CHIMNEY MAY REQUIRE ATTENTION - SEEK EXPERT ADVICE.**

# INSTALLATION INSTRUCTIONS

## SITE REQUIREMENTS

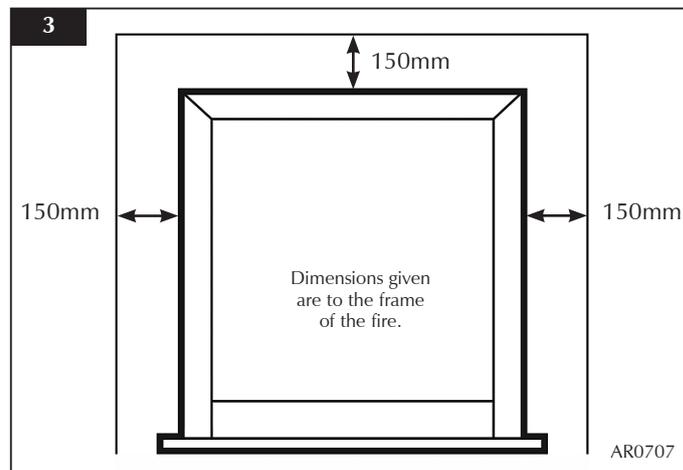
### 2. APPLIANCE LOCATION

- 2.1 This appliance must stand on a non-combustible hearth that is at least 12mm thick. If the fire is greater than 50mm above the floor no hearth is required, although due consideration should be given to how the heat may affect the floor material.
- 2.2 **It is recommended you construct the back panel of the fireplace from natural materials cut into three or more sections to prevent cracking. Resin-based materials may not be suitable. This appliance is an effective heat producer and attention must be paid to the construction and finish of the fireplace.**
- 2.3 It must be fitted into a non-combustible opening.
- 2.4 These appliances must be hearth mounted into a fireplace opening conforming to National Standards. The minimum dimensions shall be as shown in Diagram 2.



- 2.5 Ensure that no naked flame or incandescent part of the fire bed projects beyond the vertical plane of the fireplace opening.
- 2.6 The appliance must not be installed in any room that contains a bath or shower.

- 2.7 Ensure clearances to combustible materials (see Diagram 3).



- 2.8 The maximum depth of combustible shelf is 150mm at a minimum height of 150mm above the frame.

**Refer to the appropriate frame instructions regarding additional wall strengthening for the frame.**

### 3. GAS SUPPLY

- 3.1 Before installation, ensure that the local distribution conditions (identification of the gas type and pressure) and the adjustment of the appliance are compatible.
- 3.2 Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force.
- 3.3 This appliance is supplied complete with a factory fitted isolation device incorporated into the inlet connection, no further isolation device is therefore required.

### 4. VENTILATION

**It is important to ensure that any national ventilation requirements are taken into account during the installation of this appliance.**

- 4.1 This appliance has a nominal input not exceeding 7.0 kW and therefore does not normally require any additional permanent ventilation.

If, however, spillage is detected when commissioning the appliance, there may be insufficient natural ventilation and additional ventilation may be required. For ventilation requirements in the Republic of Ireland it will be necessary to refer to the relevant rules in force.

**AIR VENTS MUST NOT BE RESTRICTED.**

# INSTALLATION INSTRUCTIONS

## INSTALLATION

### 1. UNPACKING

- 1.1 Remove the appliance from its packaging and check that it is complete and undamaged.
- 1.2 Put the loose ceramic parts to one side so that they are not damaged during installation.

### 2. SAFETY PRECAUTIONS

- 2.1 This appliance must be installed in accordance with the rules in force and used only in a sufficiently ventilated space. **Please read all instructions before installation and use of this appliance.**
- 2.2 These instructions must be left intact with the user.
- 2.3 Do not attempt to burn rubbish on this appliance.
- 2.4 In the interests of your own and other's safety this appliance must be installed by a competent person in accordance with local and national codes of practice. Failure to install the appliance correctly could lead to prosecution.
- 2.5 Keep all plastic bags away from young children.

### 3. INSTALLATION OF THE GAS SUPPLY

E-BOX BF	
NAT GAS @ 20mbar	PROPANE @ 20mbar
112-302	112-494
112-177	112-419

E-STUDIO BF	
NAT GAS @ 20mbar	PROPANE @ 20mbar
112-284	112-597

**TO CHANGE FROM ONE GAS TYPE TO ANOTHER A COMPLETE ENGINE ASSEMBLY AND DATA BADGE CHANGE WILL BE REQUIRED, SEE *SERVICING INSTRUCTIONS, REPLACING PARTS, SECTION 9.***

- 3.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible. See table above.
- 3.2 Ensure that the gas supply is capable of delivering the required amount of gas and is in accordance with the rules in force. Please refer to the Technical Specification for the correct working pressure for the gas used.

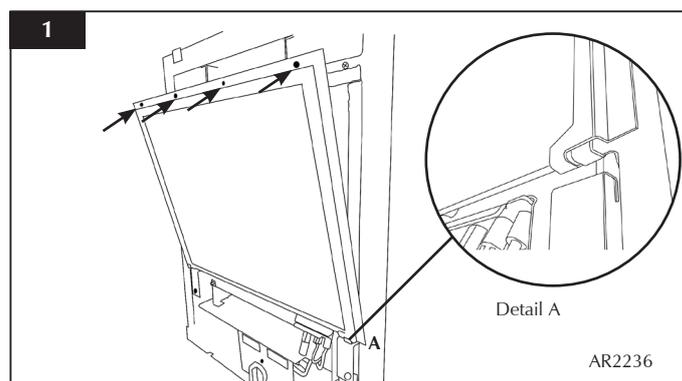
- 3.3 Soft copper tubing and soft soldered joints can be used but must not be closer than 50mm (2") to the underside of the burner.
- 3.4 An isolation device is provided with the appliance.
- 3.5 All supply gas pipes must be purged of any debris that may have entered, prior to connection to the appliance.
- 3.6 This appliance is intended for use on a gas installation with a governed meter.

### 4. PREPARING THE APPLIANCE

#### IMPORTANT

**The remote control on this appliance uses an infrared sensor which must be mounted on the appliance. Refer to the separate frame instructions (PR1257) for details on installing the sensor.**

- 4.1 Remove the glass window by unscrewing the 4 x screws in the retaining bracket (see Diagram 1).

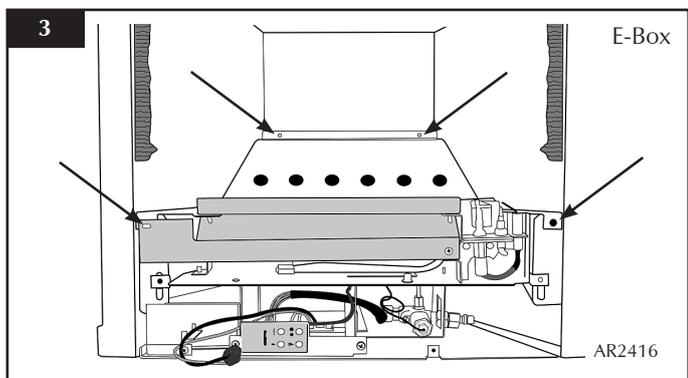
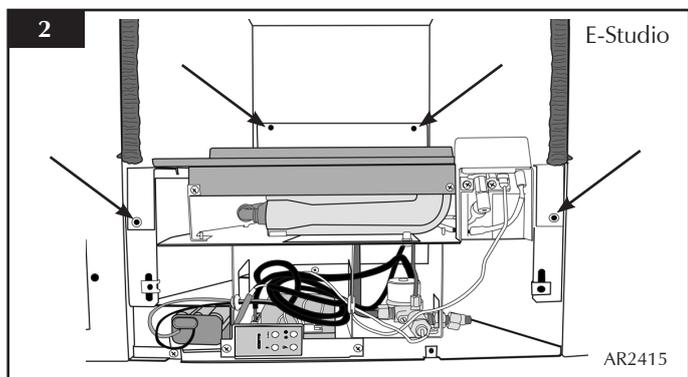


- 4.2 Lift the glass off the lower location tabs (Detail A) and carefully place to one side.
- 4.3 Disconnect the battery pack from the control box.
- 4.4 Remove the 4 x burner retaining screws and withdraw the burner unit from its location (see Diagrams 2 & 3).

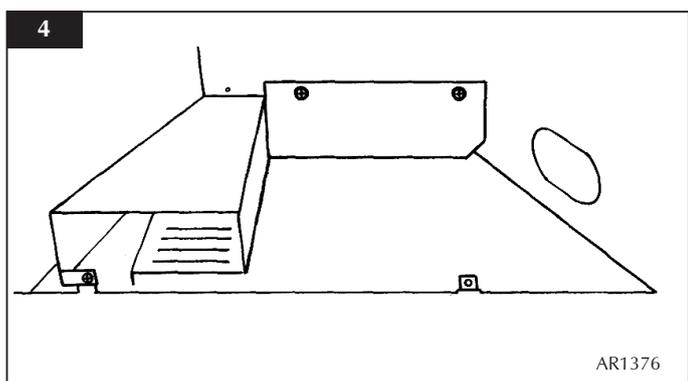
**NOTE: IF REMOVING THE E-STUDIO BURNER, IT WILL BE NECESSARY TO REMOVE THE DECORATIVE INNER PANEL, SEE *INSTALLATION INSTRUCTIONS, SECTION 6.***

# INSTALLATION INSTRUCTIONS

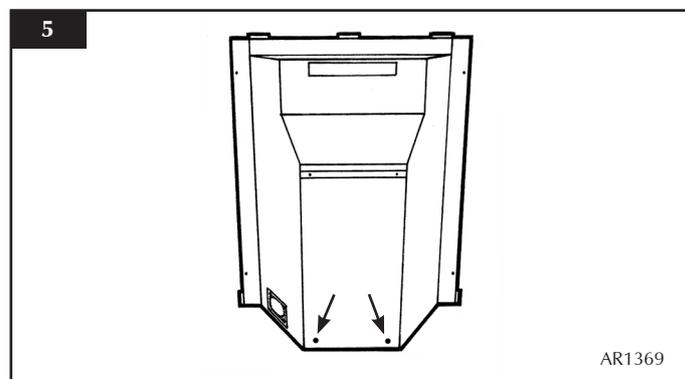
## INSTALLATION



4.5 Decide on the retention method. If cable fixings are to be used remove the lower cover plate by unscrewing the 3 x screws (see Diagram 4).

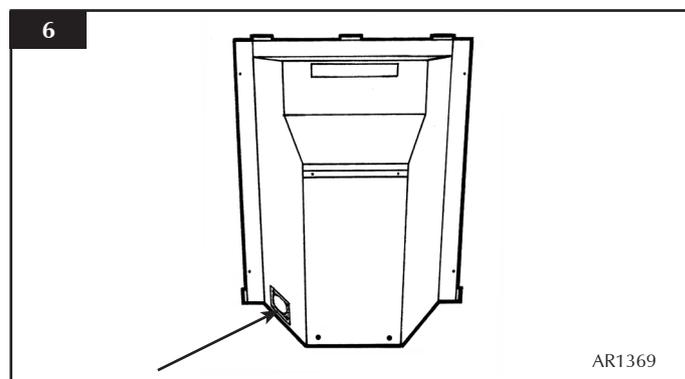


4.6 Knockout the two holes on the rear of the box using a sharp hammer blow (see Diagram 5).



4.7 Remove the backing from the self-adhesive silicone sealing strip and apply to the rear flange of the firebox ensuring that it is positioned as close to the outer edge as possible.

4.8 Gas pipe entry must come through the right-hand side of the box (see Diagram 6). The rubber seal must be cut using a sharp knife to allow the isolating elbow to pass through it. Ensure the rubber is not damaged when doing this.



4.9 A means of isolation is provided with the appliance. This must be fitted to the supply pipe prior to installing the firebox.

# INSTALLATION INSTRUCTIONS

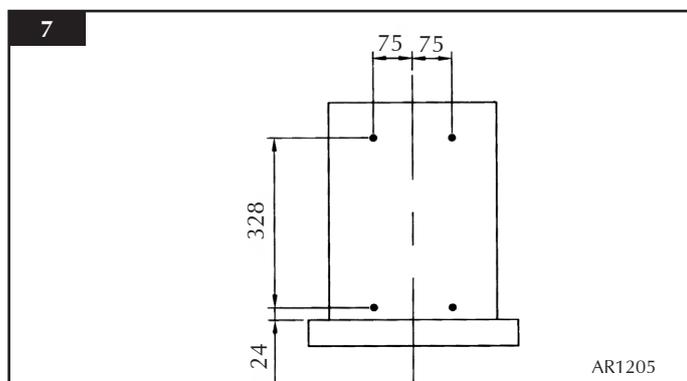
## INSTALLATION

### 5. INSTALLATION OF THE APPLIANCE

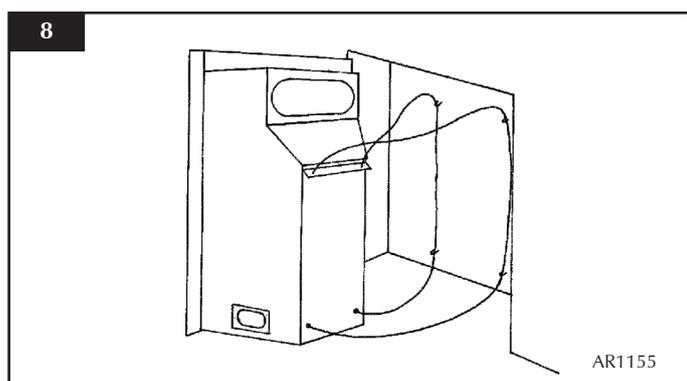
- 5.1 Ensure that the fireplace opening is in compliance with *Site Requirements, Section 2*, then proceed as follows:

#### CABLE RETENTION METHOD

- 5.2 Mark the position of the 4 x fixing holes on the rear of the fireplace opening and drill the holes using a 7mm masonry drill bit. Insert the 4 x steel expansion plugs and screw the eyebolts in as far as possible leaving the eye horizontal (see Diagram 7).

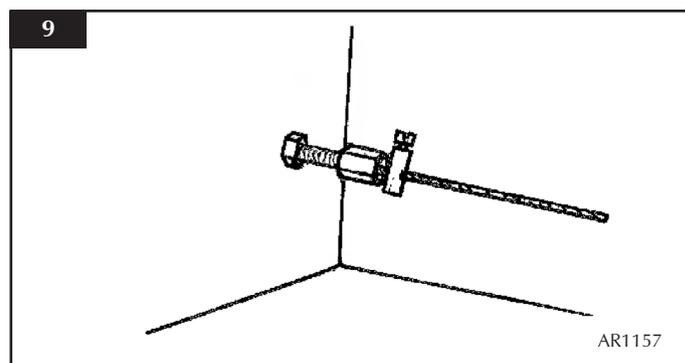


- 5.3 Pass the 2 cables through the holes in the bracket on the back of the firebox and pull taut so that the stop ends sit tightly against the top of the bracket (see Diagram 8).



- 5.4 Pass the cables vertically through the 2 sets of eyebolts and thread the ends through the holes in the lower back of the firebox. Pass the gas supply pipe through the hole in the rubber seal (refer to section 4.8) and push the appliance into place.
- 5.5 Thread the cables through the tensioner bolts and push the threaded portions through the holes in the firebox so that the lock nut sits against the back wall (ensure that the nut is screwed fully up to the head of the tensioner to allow maximum adjustment).

- 5.6 Slide the locking nipples onto the cables, pull the cables taut and tighten the locking screw. Adjust the lock nuts using a 10mm spanner until the silicone sealing strip forms a tight seal between the fireplace opening and the firebox flange (see Diagram 8).



- 5.7 Coil up the surplus cable and locate in the back of the firebox.

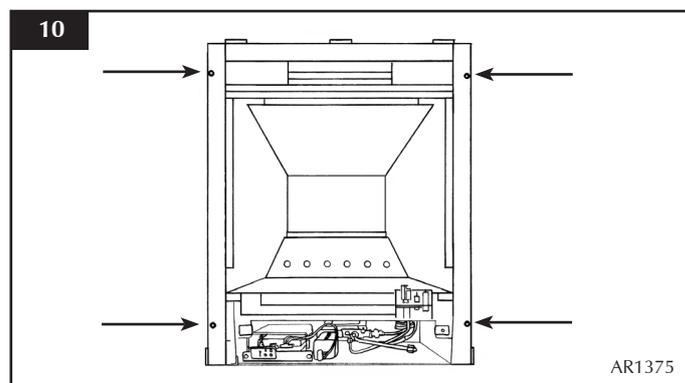
**NEVER SHORTEN THE CABLES, THEY WILL BE REQUIRED WHEN SERVICING THE APPLIANCE.**

- 5.8 Replace the lower cover plate.

**Note:** The cable adjuster may need to be tucked upward in order to fit the lower cover plate.  
**SCREW FIXING METHOD**

Alternatively, this appliance can be secured back to the fireplace opening using the screws and expansion plugs provided.

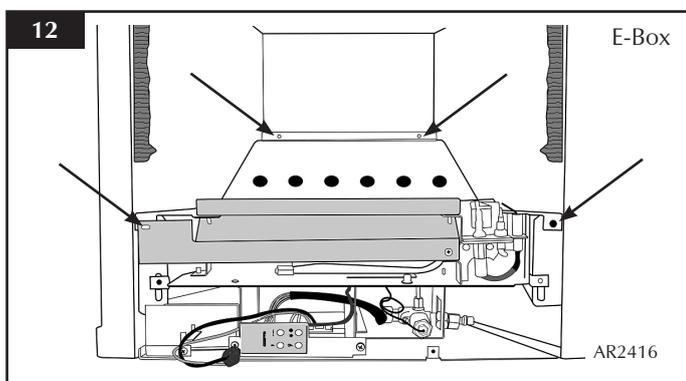
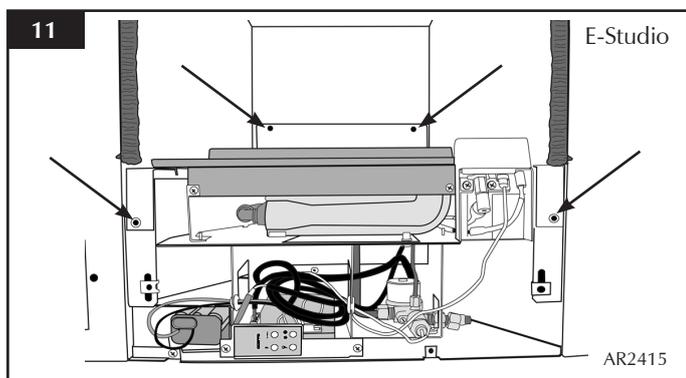
- 5.9 Place the firebox centrally in the opening and mark the positions of the 4 x fixing holes. Drill the holes and insert the 4 x expansion plugs (see Diagram 10).



- 5.10 Place the firebox in the opening ensuring that the gas supply pipe passes through the rubber seal.
- 5.11 Refit the burner assembly and secure the 4 x pozi drive screws (see Diagrams 11 & 12).

# INSTALLATION INSTRUCTIONS

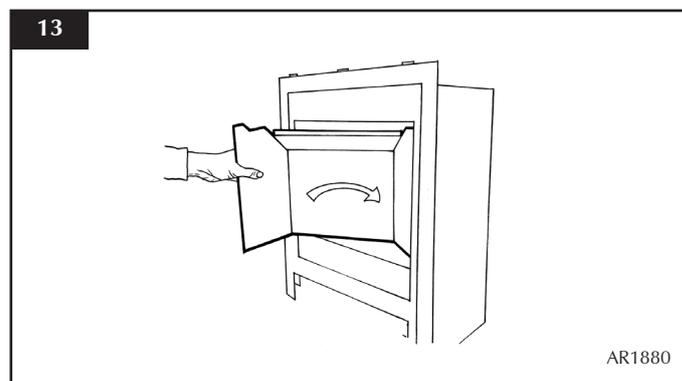
## INSTALLATION



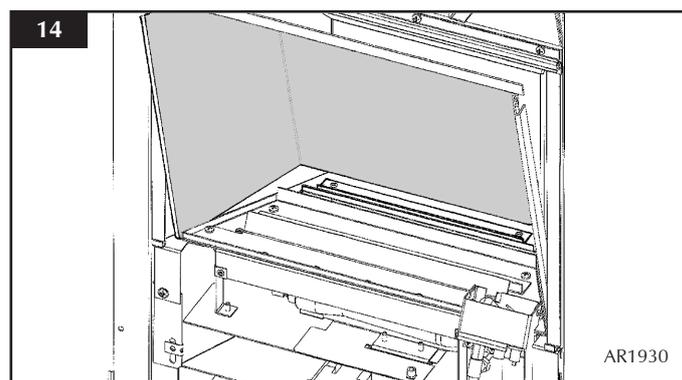
- 5.12 Connect the gas supply to the inlet connection on the burner unit and tighten. It may be necessary to support the inlet connection with another spanner whilst tightening this joint.
- 5.13 Turn on the gas supply to the appliance and check for leaks.
- 5.14 Light the fire and check all joints on the appliance for leaks.
- 5.15 Remove the sealing screw from the inlet connection and connect a suitable "U" gauge manometer.
- 5.16 Light the fire and turn to the maximum position, refer to the data badge and ensure that the running pressure is correct. If the pressure varies significantly from that on the data badge this may indicate a supply problem and will require immediate attention.
- 5.17 Turn the appliance off, disconnect the "U" gauge and replace the sealing screw. Relight the appliance and check the sealing screw for leaks.

### 6. FITTING THE DECORATIVE INNER PANEL

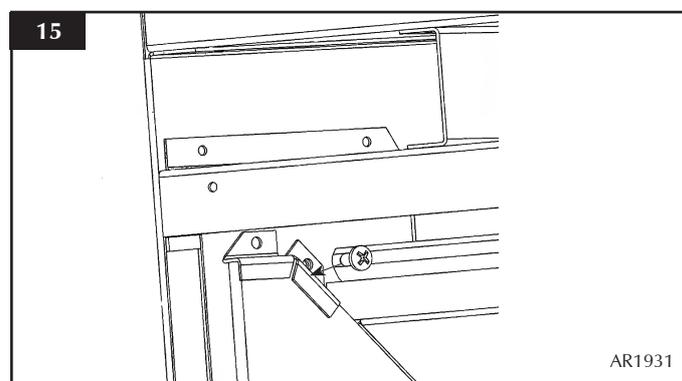
- 6.1 Rotate the panel to insert into firebox (see Diagram 13).



- 6.2 Ensure the panel is sitting behind the rear ledge of the burner (see Diagram 14).



- 6.3 Secure the panel using the two upper brackets and the pozi drive screws (see Diagram 15).



- 6.4 Use only the rearmost hole in the retaining bracket on each side.

**NOTE: IT IS IMPORTANT TO ENSURE THAT THE PANEL LOCATES TIGHTLY AGAINST THE BURNER TRAY.**

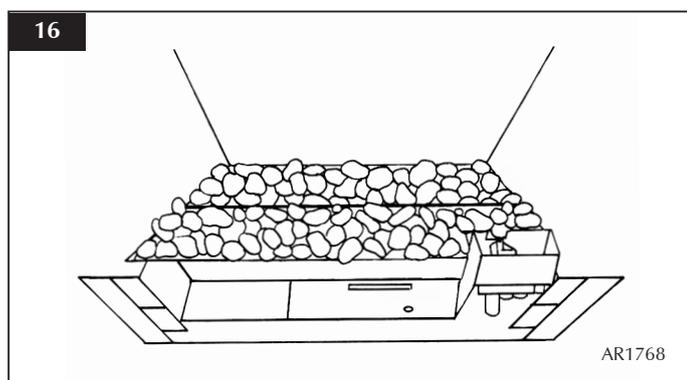
# INSTALLATION INSTRUCTIONS

## INSTALLATION

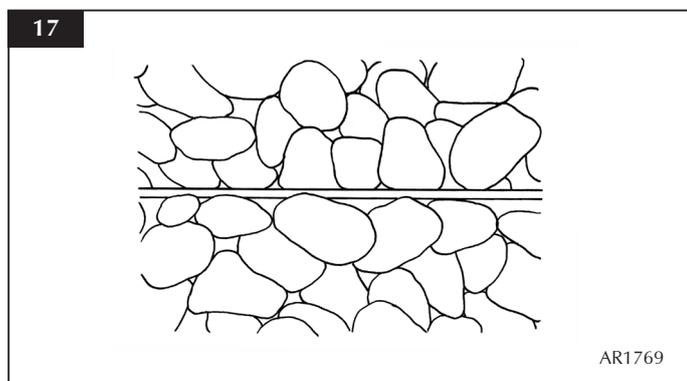
### 7A. ARRANGEMENT OF THE FUEL BED COMPONENTS - E STUDIO

**ONLY USE THE CORRECT TYPE AND QUANTITY OF GRANITE CHIPPINGS. ALWAYS FOLLOW THE FUEL BED LAYOUT AS STATED IN THESE INSTRUCTIONS. NEVER CHANGE THE LAYOUT FROM THAT SHOWN HERE.**

- 7.1 Arrange the granite chippings in the areas shown in Diagram 15. The chippings should be evenly distributed.

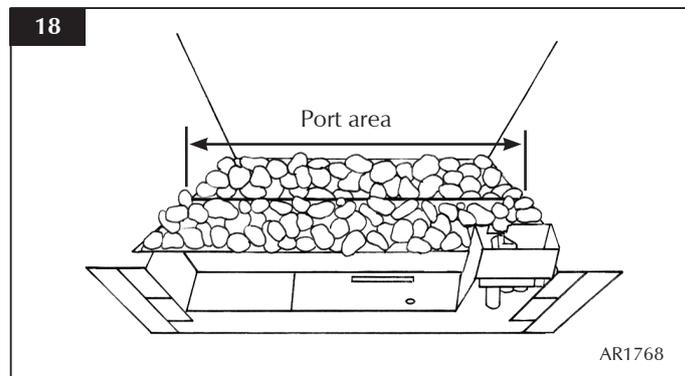


- 7.2 Lean the granite chippings against the burner ledges to disguise the ledges (see Diagram 17).



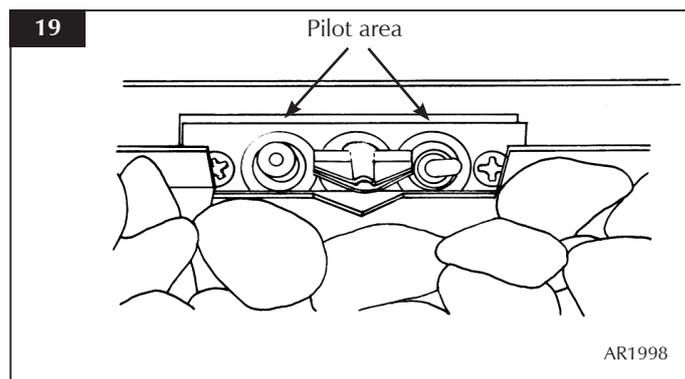
- 7.3 Check that the port area (see Diagram 18) is clear of granite chippings. This can be easily done by gently running a screwdriver or similar object along this area.

**NOTE: IT IS IMPORTANT THE GRANITE CHIPPINGS DO NOT COVER THE PORT AREA IN BETWEEN THE BURNER LEDGES.**



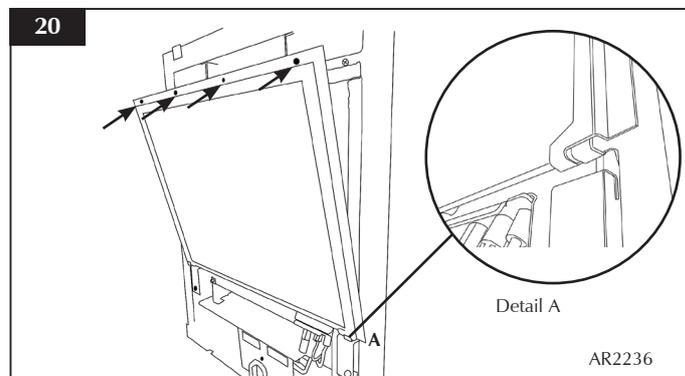
- 7.4 Ensure that no chippings overhang or fill the pilot area (see Diagram 19).

**NOTE: CHIPPINGS SHOULD NOT BE PLACED DIRECTLY IN FRONT OF THE PILOT CROSS LIGHTING FLAME.**



### FITTING THE GLASS WINDOW

- 7.5 Remove the glass window by unscrewing the 4 screws in the retaining bracket (see Diagram 20).



- 7.6 Lift the glass off the lower location tabs (Detail A) and carefully place to one side.

# INSTALLATION INSTRUCTIONS

## INSTALLATION

### 7B. ARRANGEMENT OF THE FUEL BED COMPONENTS - E-BOX

#### ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS

The fuel effects and side panels in this appliance are made from Refractory Ceramic Fibre (RCF). Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

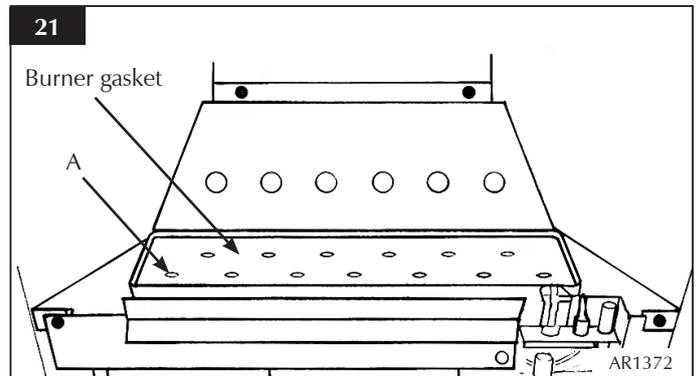
To ensure that the release of RCF fibres is kept to a minimum a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed into heavy duty polythene bags and labelled as RCF waste. RCF waste is classed as stable, non-reactive, hazardous waste and may be disposed of at a licensed landfill site.

- 7.7 After cleaning the appliance or replacing parts, carefully re-assemble the ceramic components.

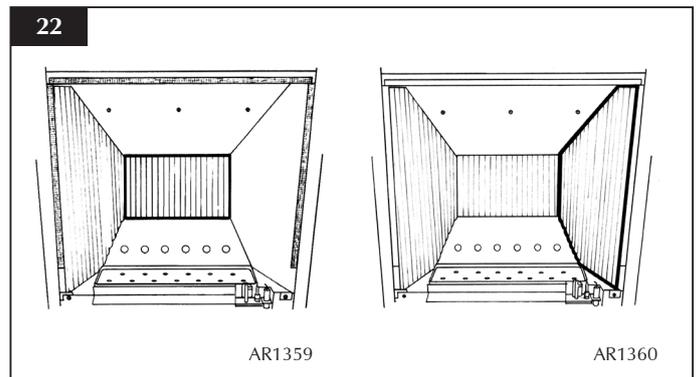
**NOTE: CERAMIC PARTS ARE FRAGILE. THE SIDE AND REAR PANELS ARE REVERSIBLE. ONE SIDE IS PLAIN, THE OTHER SIDE IS REEDED.**

**ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS. ALWAYS FOLLOW THE FUEL BED LAYOUT AS STATED IN THESE INSTRUCTIONS. NEVER CHANGE THE LAYOUT FROM THAT SHOWN HERE.**

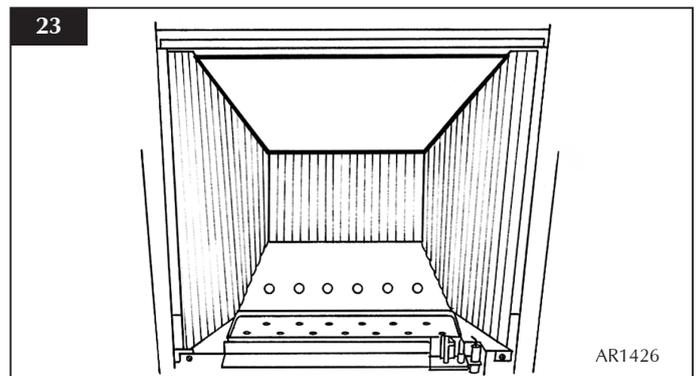
- 7.8 Position the burner cover gasket on the burner skin ensuring the holes align with the ports. Take care as the front left hand hole is offset (see Diagram 21, arrow A).



- 7.9 Place the rear panel against the rear of the box resting on the shelf.
- 7.10 Slide one of the side panels into the box ensuring it touches the rear panel.
- 7.11 Gently ease the front edge of the side panel behind the flange so it lies flat against the wall of the box.
- 7.12 Repeat with the second side panel (see Diagram 22).



- 7.13 Locate the top panel on top of the sides and rear by lifting it up and forward inside the box.
- 7.14 Slide the panel backward and down behind the side panels to rest on the rear panel (see Diagram 23).

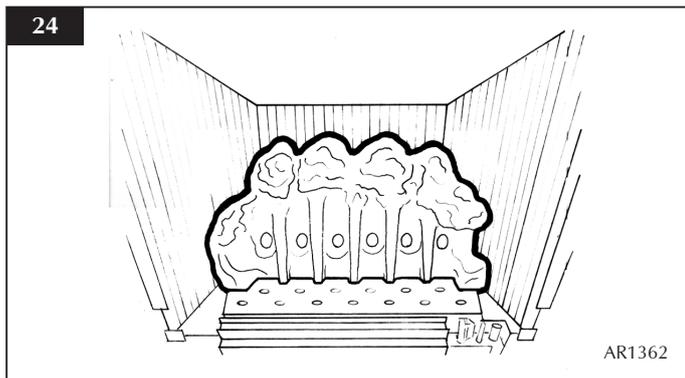


# INSTALLATION INSTRUCTIONS

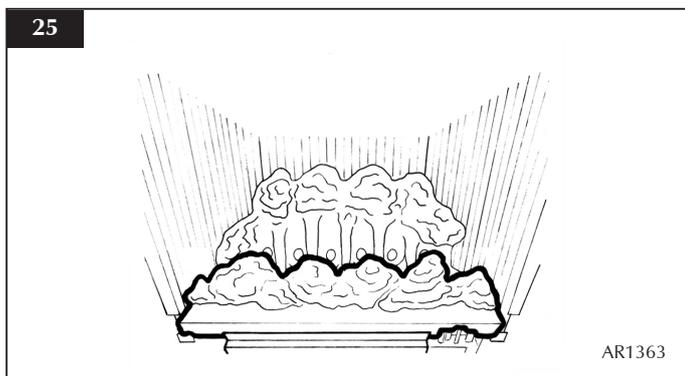
## INSTALLATION

### COAL LAYOUT

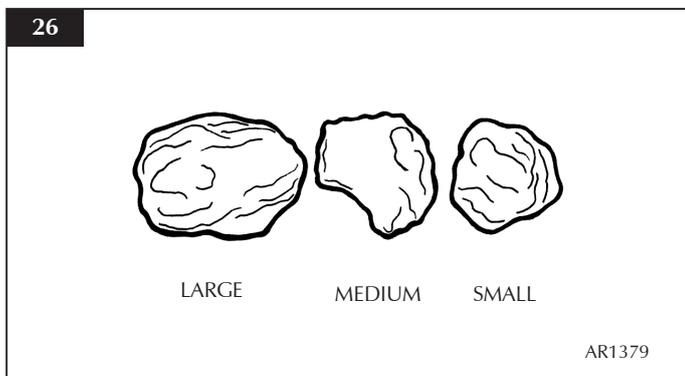
- 7.15 Position the flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin (see Diagram 24).



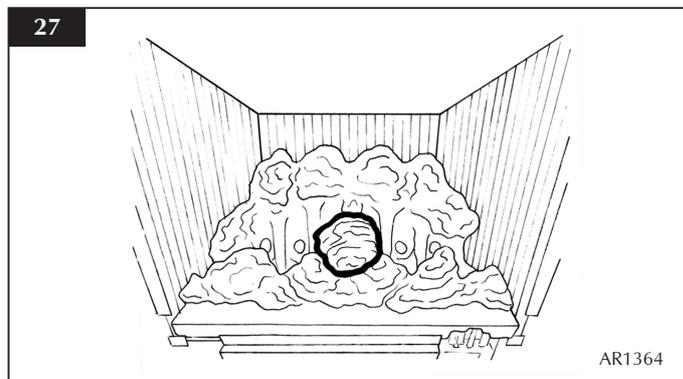
- 7.16 Place the front coal centrally in the channel at the front of the tray. The relationship between the front coal and the flame baffle is shown in Diagram 25.



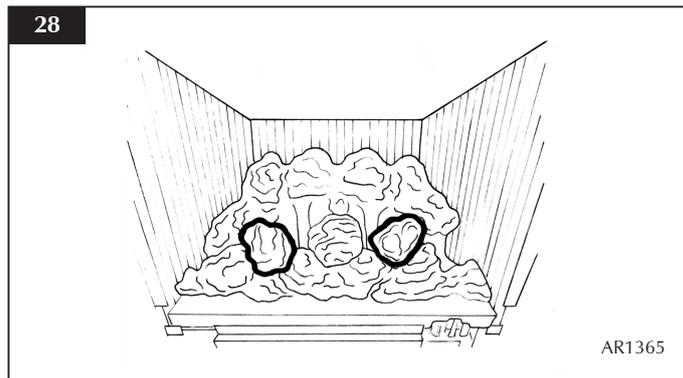
- 7.17 There are three sizes of coal used. Small x 3, medium x 4 and large x 1. For identification see Diagram 26.



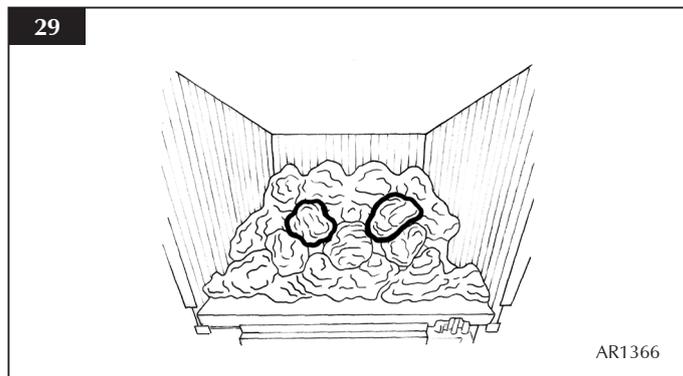
- 7.18 Place the single large coal in the central dent of the front coal, resting against the flame baffle (see Diagram 27).



- 7.19 Place 2 medium-size coals either side of the first large coal in the recess between the flame baffle and the front coal (see Diagram 28).



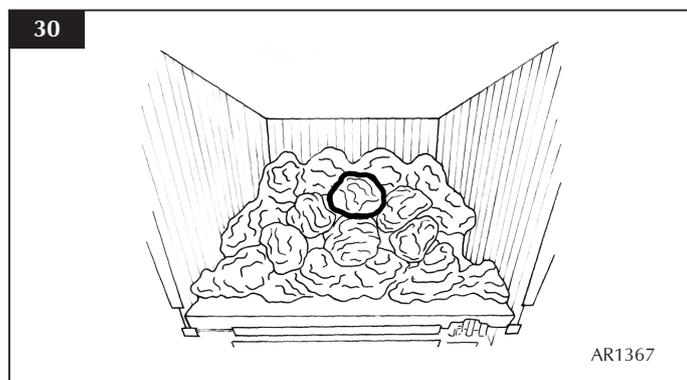
- 7.20 Place another two medium size coals behind the first three coals and against the flame baffle (see Diagram 29).



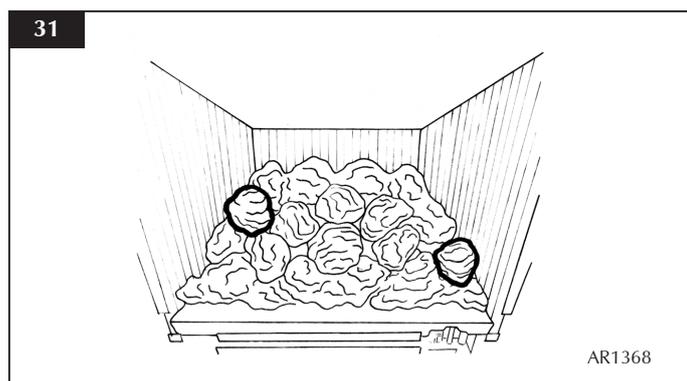
# INSTALLATION INSTRUCTIONS

## INSTALLATION

7.21 Place a small coal directly behind the first large coal and in between the centre of the last two medium coals, resting on the flame baffle (see Diagram 30).

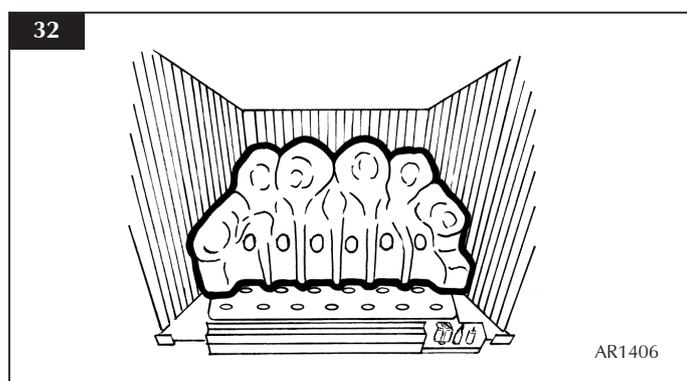


7.22 Place the last two small coals to the left and right hand side of the bed in the two spaces (see Diagram 31).

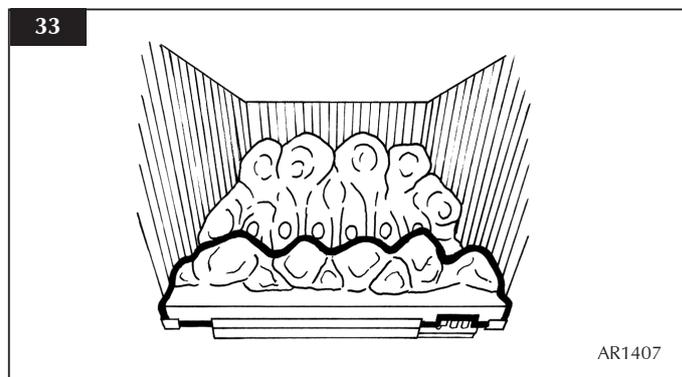


### PEBBLE LAYOUT

7.23 Position the pebble flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin (see Diagram 32).



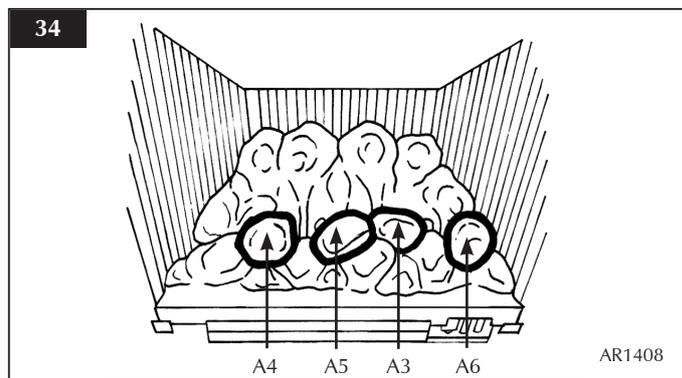
7.24 Place the front pebble piece centrally in the channel at the front of the tray (see Diagram 33).



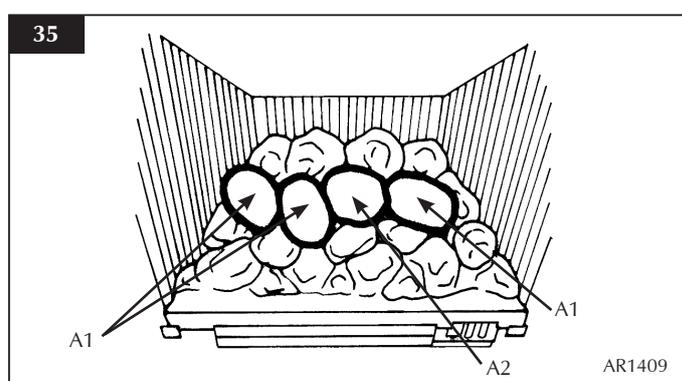
7.25 There are 10 loose pebbles in the set supplied. Each pebble is individually marked. The quantity of each type is shown below:

A1 x 3	A4 x 1
A2 x 1	A5 x 1
A3 x 3	A6 x 1

7.26 Place the four pebbles as identified resting between the front ceramic and the flame baffle as shown in Diagram 34.



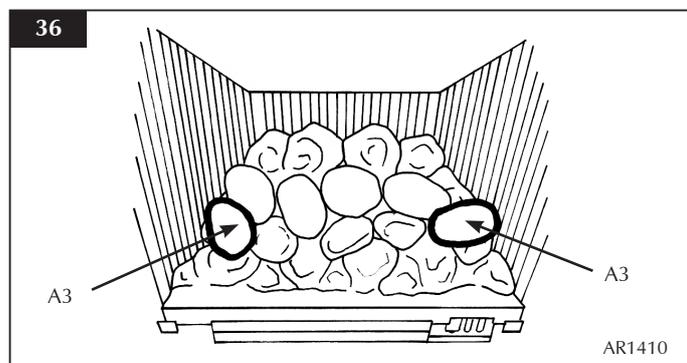
7.27 Place the next four pebbles as shown resting between the flame baffle and the first row of pebbles (see Diagram 35).



# INSTALLATION INSTRUCTIONS

## INSTALLATION

- 7.28 Place the remaining two A3 pebbles as shown in Diagram 36.



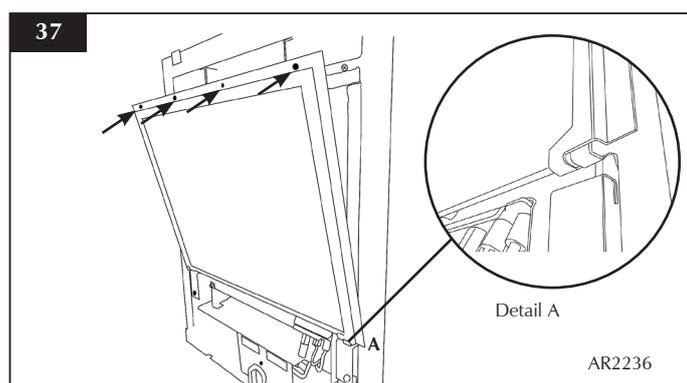
- 7.29 The coals/pebbles should evenly cover the whole bed with the gaps between them kept equal. This will maximise the performance of the product.

- 7.30 **ENSURE THAT THE COALS/PEBBLES ARE POSITIONED AS ABOVE. ONLY USE THE CORRECT AMOUNT OF COALS/PEBBLES AS SPECIFIED IN THE DIAGRAMS.**

### FITTING THE GLASS WINDOW

- 7.31 Ensure that the fibre glass window seal on the box is intact, then lower the glass window into the lower location tabs on the box. The tabs should locate between the glass and the frame, Detail A.

- 7.32 Secure the window using four screws in the retaining bracket (see Diagram 37).

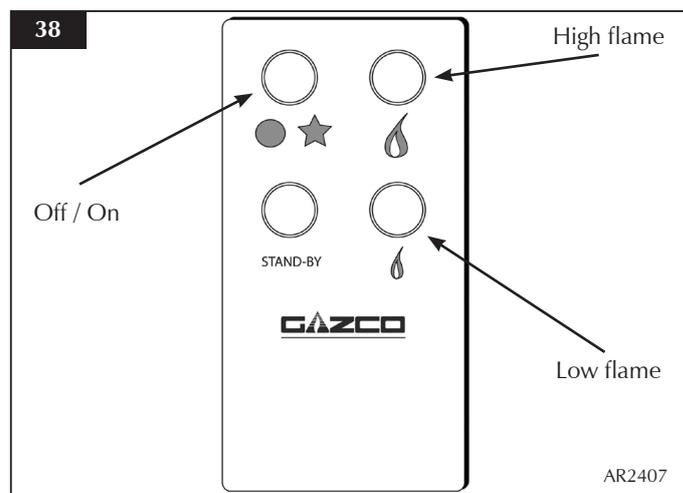


**NEVER OPERATE THE APPLIANCE IF THE GLASS PANEL IS REMOVED OR BROKEN.**

### 8A. LIGHTING THE APPLIANCE

The appliance can be operated manually or by remote control. A beep can be heard each time a button is pressed on either control. To operate the appliance manually:

- 8.1 The manual control touch pad is located on the front of the appliance. To access the touch pad please refer to the separate frame instructions (supplied with frame). The orientation of the control pad in Diagram 38 has been altered for ease of viewing.
- 8.2 One button turns the appliance both On and Off (see Diagram 38). Press and hold for approximately 3 seconds to ignite the fire. The pilot will light and the fire will ignite after approximately 10 seconds. The fire will be automatically set to high flame.
- 8.3 To switch from high flame to low flame press the low flame button once (see Diagram 38).
- 8.4 To switch directly back to high flame press the high flame button once (see Diagram 38).



- 8.5 To gradually decrease the flame height press and hold the low flame button until the desired setting is reached (see Diagram 38).
- 8.6 To gradually increase the flame height press and hold the high flame button until the desired setting is reached (see Diagram 38).
- 8.7 The flame height can now be moved through the range of settings by pressing and holding the high flame button to increase flame height or the low flame button to decrease flame height as desired.
- 8.8 If the appliance is in Stand-by mode (see Section 8B) press the high flame button once to ignite the fire. The flame height can then be adjusted as described above.

# INSTALLATION INSTRUCTIONS

## INSTALLATION / COMMISSIONING

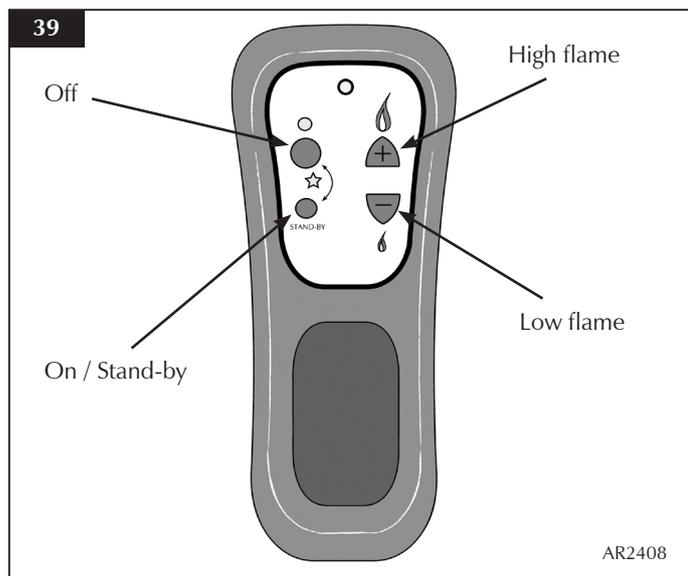
### 8B. TURNING THE APPLIANCE OFF - MANUAL CONTROL

- 8.9 To turn the fire off but leave the pilot lit press the Stand-by button once (see Diagram 38).
- 8.10 To turn the appliance off completely press the On / Off button once (see Diagram 38).

### 9A. LIGHTING THE APPLIANCE - REMOTE CONTROL

The remote control sends signals to an infrared sensor which must be mounted on the appliance. Refer to the separate frame instructions for details on installing the sensor. To operate the appliance using the remote control handset:

- 9.1 The remote control handset has a two button ignition safety feature. To light the fire press both the On / Standby button and the Off button at the same time (see Diagram 39). The pilot will light and the fire will ignite after approximately 10 seconds. The fire will be automatically set to high flame.
- 9.2 To switch from high flame to low flame press the low flame button once (see Diagram 39).
- 9.3 To switch directly back to high flame press the high flame button once (see Diagram 39).



- 9.4 To decrease the flame height press and hold the low flame button until the desired setting is reached (see Diagram 39).
- 9.5 To increase the flame height press and hold the high flame button until the desired setting is reached (see Diagram 39).

- 9.6 The flame height can now be moved through the range of settings by pressing and holding the high flame button to increase flame height or the low flame button to decrease flame height as desired.

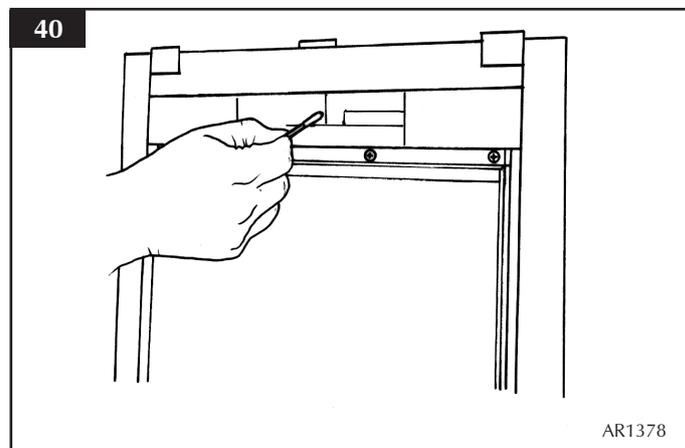
- 9.7 If the appliance is in Stand-by mode (see Section 9B) press the high flame button once to ignite the fire. The flame height can then be adjusted as described above.

### 9B. TURNING THE APPLIANCE OFF - REMOTE CONTROL

- 9.8 To turn the fire off but leave the pilot lit press the On / Stand-by button once (see Diagram 39).
- 9.9 To turn the appliance off completely press the Off button once (see Diagram 39).

### 10. COMMISSIONING

- 10.1 Close all windows and doors to the room, check all controls and allow fire to burn on maximum for 5 minutes. Test for spillage of flue products using a smoke match. Pass the lighted smoke match along the top front of the draught diverter, just inside (see Diagram 40).



- 10.2 If the fire spills run for a further 10 minutes and re-check.
- 10.3 If there are extractor fans in the room, or adjacent rooms, the spillage test must be repeated with the extractors running on maximum.

**IF SPILLAGE PERSISTS DISCONNECT THE APPLIANCE AND SEEK EXPERT ADVICE.**

- 10.4 For future reference record the installation details on the commissioning sheet on page 3 of these instructions.

# SERVICING INSTRUCTIONS

## SERVICING

### 1. SERVICING REQUIREMENTS

**IMPORTANT** – The glass panel on this appliance should be checked for any signs of damage (scratches, scores, cracks or other surface defects). If damage is observed, the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed. Please isolate the appliance until a replacement glass panel has been obtained and installed. Replacement glass panels can be purchased from Gazco via the retailer from which the appliance was purchased or any other Gazco distributor.

This appliance must be serviced at least once a year by a competent person. All tests must be carried out using best practice as described by the current Gas Safe recommendations.

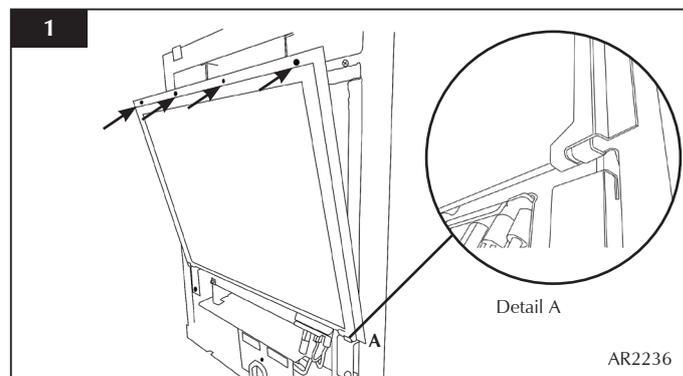
- 1.1 Before any tests are undertaken on the appliance, conduct a gas soundness test for the property to ensure that there are no gas leaks prior to starting work.
- 1.2 Before any tests are undertaken on the appliance it is also recommended to fully check the operation of the fire.
- 1.3 Special checks:
  - 1.3.1 Clean any lint or fluff from the pilot - pay particular attention to the aeration hole in the side of the pilot.
  - 1.3.2 Clean away any fluff or lint from under the burner.
  - 1.3.3 Check that the spark gap on the pilot is correct.
- 1.4 Correct any faults found during the initial tests and then recommission the appliance conducting the usual safety checks.
- 1.5 Advise the customer of any remedial action taken.

### E-STUDIO & E-BOX

As part of the annual service, the space behind the firebox must be inspected for any debris, which may have fallen down the chimney. To remove the fire from the firebox first:

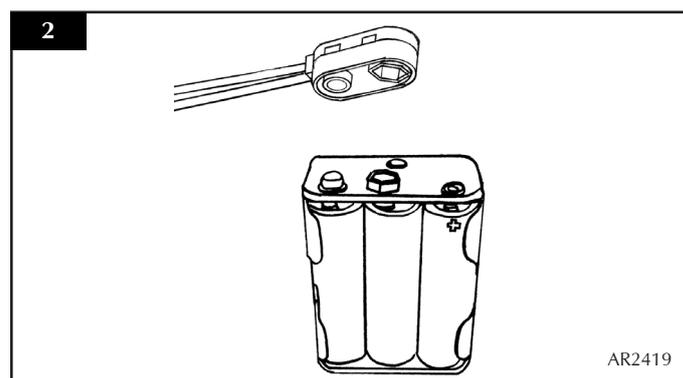
- 1.6 Remove the decorative frame. There are two screws securing the frame to the appliance. Refer to separate frame instructions.
- 1.7 Turn off the gas supply at the isolation device located under the fire.
- 1.8 Disconnect the gas supply pipe leaving the isolation device on the supply pipe and not the fire.

- 1.9 Remove the glass window by removing the 4 x screws in the retaining bracket (see Diagram 1).



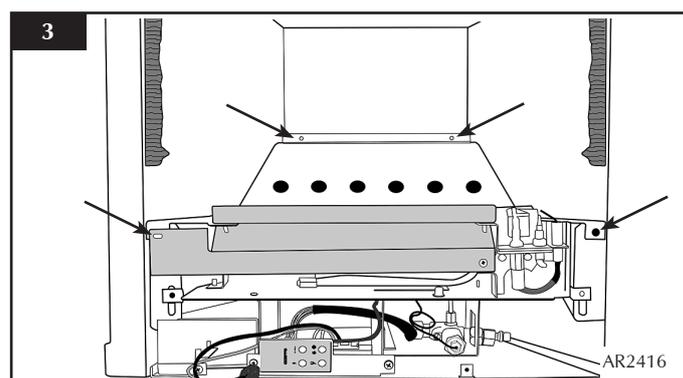
- 1.10 Lift the glass off the lower location tabs (see Diagram 1, Detail A) and carefully place to one side.

- 1.11 Disconnect the battery pack from its cable (see Diagram 2).



### E-BOX ONLY

- 1.12 Remove the loose coals, and place on a dry, clean surface.
- 1.13 Remove the front coal, flame baffle and all the ceramic liners. All these items are very fragile so store them carefully.
- 1.14 Remove the 4 x screws securing the burner unit to the fire and lift clear (see Diagram 3).



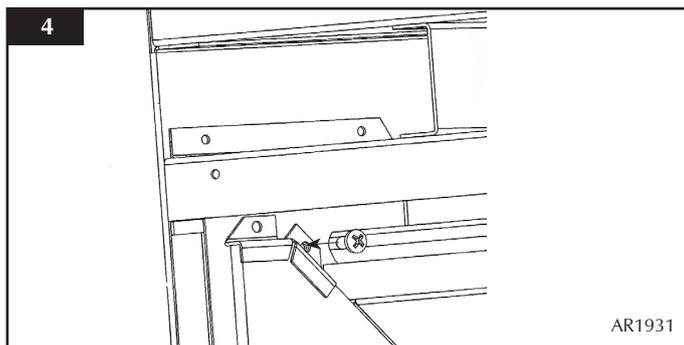
# SERVICING INSTRUCTIONS

## SERVICING

### E-STUDIO ONLY

1.15 Remove the granite chippings and place on a clean dry surface.

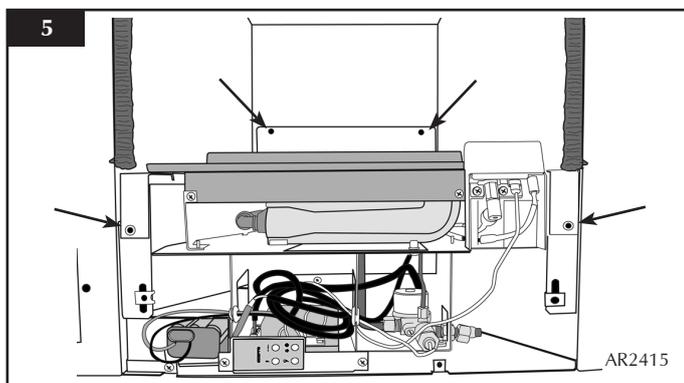
1.16 Remove the two decorative panel securing clamps:



1.17 Carefully remove the enamel back panel by rotating it out of the firebox.

**TAKE EXTREME CARE WHILST REMOVING THESE PANELS NOT TO SCRATCH OR CHIP THE PANEL ON THE SIDES OF THE FIREBOX.**

1.18 Remove the 4 x screws securing the burner (see Diagram 5).



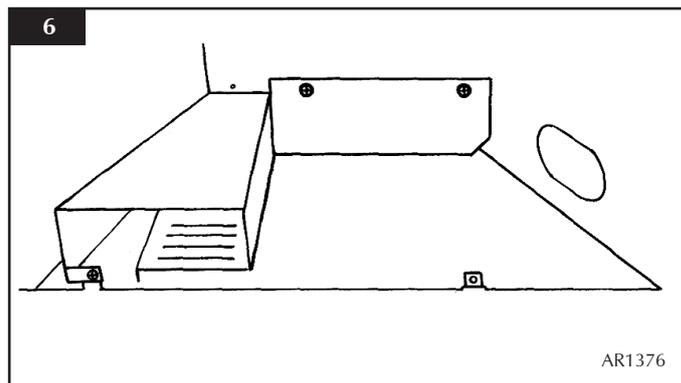
1.19 Gently slide the whole burner assembly forward.

1.20 Clean any debris from the burner skin.

### E-STUDIO & E-BOX

1.21 Depending on the method of how the appliance is secured to the fireplace either:

1) Remove the three screws securing the cover plate, then release the retention cables (see Diagram 6).



or

2) Remove the four screws securing the appliance to the fireplace.

1.22 Inspect the space behind the fireplace for debris and the condition of the chimney, the flue flow test should be carried out now. Remove any debris and carry out any necessary remedial work.

# SERVICING INSTRUCTIONS

## SERVICING

### ELECTRONIC CONTROL VALVE FAULT ANALYSIS

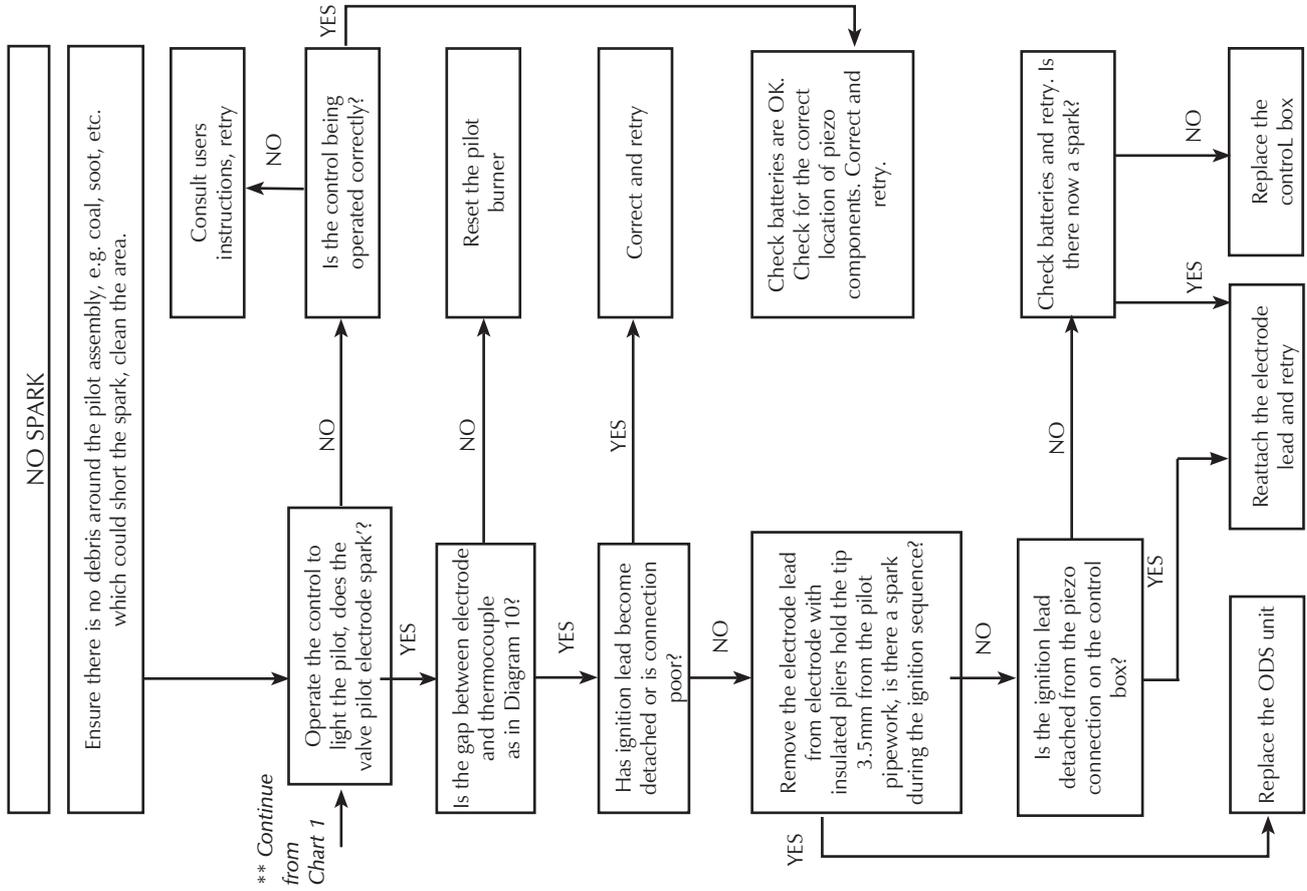
If the batteries are low or there is a problem with certain parts of the appliance a series of beeps will be heard. The beeps will continue until the batteries are disconnected and/or replaced. Please refer to the trouble shooting table below for diagnosis:

Sound Alarm (no. of beeps)	Failure	Action
3	Touch pad failure	Replace the touch pad.
4	Valve motor failure	Replace the valve. Ignite the fire and check sound has stopped.
5	Control box driver leakage	Replace the control box. Ignite the fire and check sound has stopped.
6	Battery voltage too low for system to operate	Replace the batteries (see User Instructions, Section 5). Before reinserting battery pack ensure the beeps have stopped, wait 5 seconds then reinsert pack. If, after replacing batteries, the beep does not stop ignite the fire to clear the problem.
7	Low Battery	Replace the batteries (see User Instructions, Section 5). Before reinserting battery pack ensure the beeps have stopped, wait 5 seconds then reinsert pack. If, after replacing batteries, the beep does not stop ignite the fire to clear the problem.

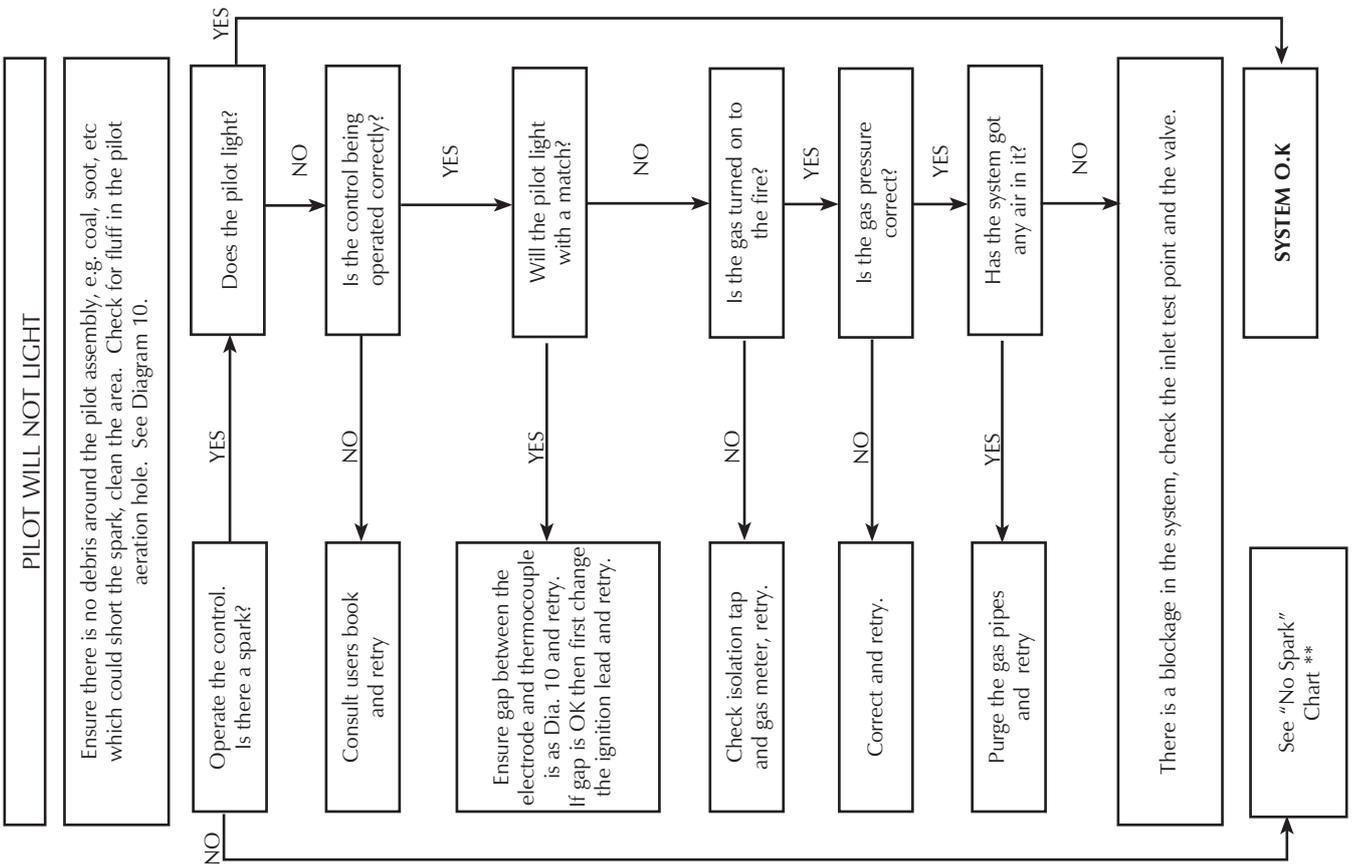
# SERVICING INSTRUCTIONS

## FAULT FINDING CHARTS

### IGNITION FUNCTIONAL CHECK 2



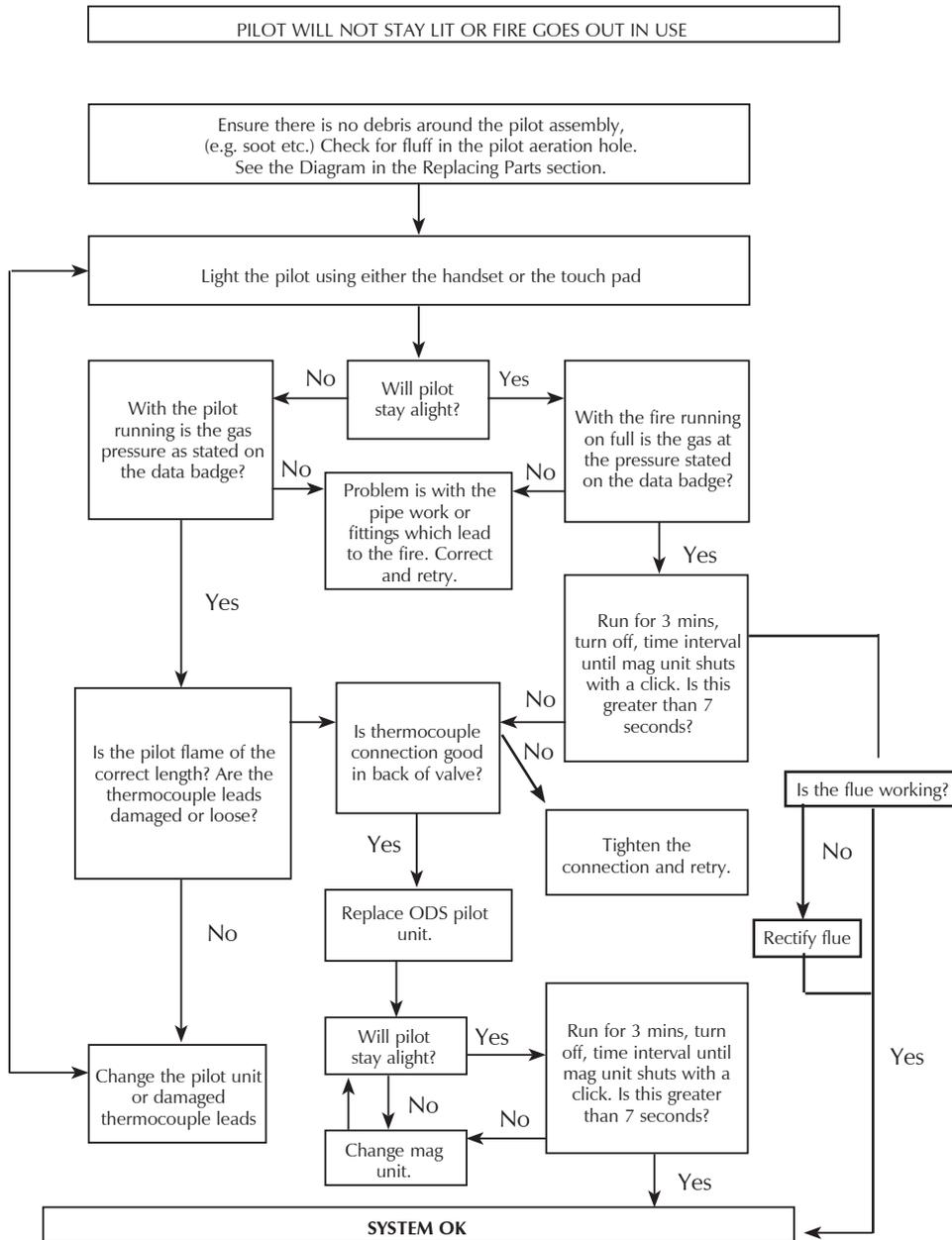
### IGNITION FUNCTIONAL CHECK 1



# SERVICING INSTRUCTIONS

## FAULT FINDING CHARTS

### FLAME FAILURE FUNCTIONAL CHECK 3



# SERVICING INSTRUCTIONS

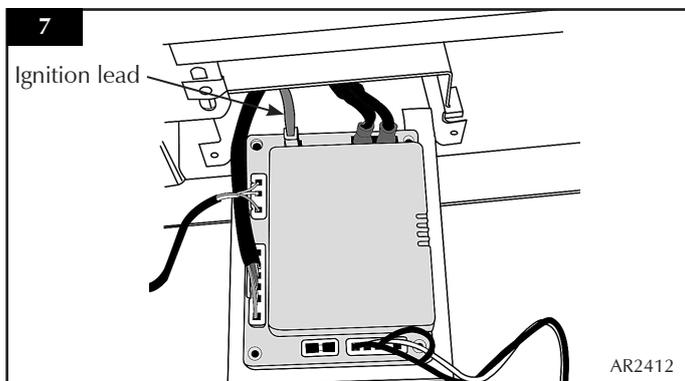
## REPLACING PARTS

### 1. GENERAL

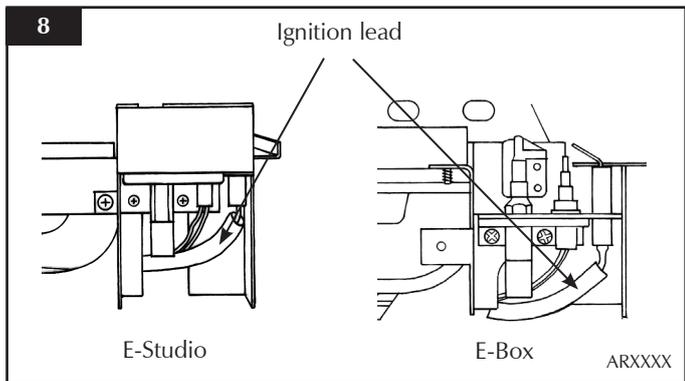
- 1.1 To service any of the following parts (with the exception of the control box) it will be necessary to remove the burner unit from the firebox. To remove the burner refer to Servicing Instructions, Section 1.

### 2. IGNITION LEAD

- 2.1 Disconnect the ignition lead from the control box (see Diagram 7).



- 2.2 Disconnect the other end of the ignition lead from the pilot unit (see Diagram 8).



- 2.3 Replace with a new ignition lead following the same route as the old one.
- 2.4 Refit the burner unit.
- 2.5 Replace the fire frame.

### 3. PIEZO

- 3.1 The piezo assembly used on this fire is not serviceable and is unlikely to fail. If a new piezo is required it will be necessary to change the control box (see Section 5).

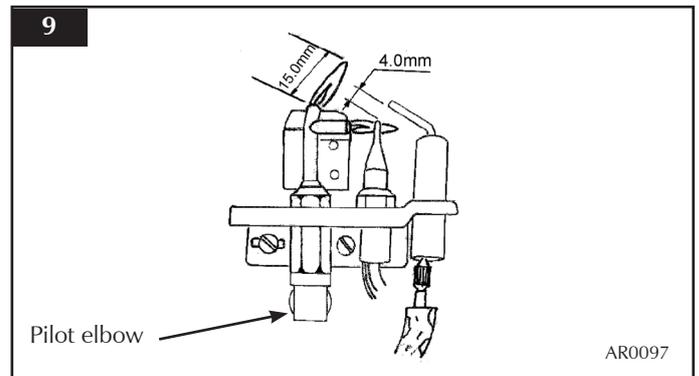
### 4. ODS PILOT UNIT

**Note:** You cannot service the pilot unit due to the complex nature of its manufacture. Replacement of the complete unit must be carried out when one of the following items becomes faulty:

- Pilot injector
- Ignition electrode
- Thermocouple

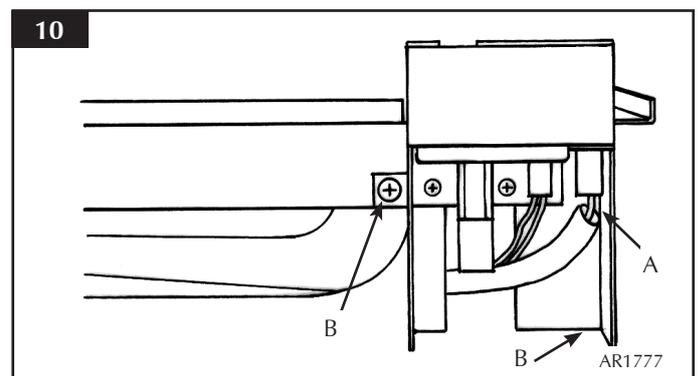
Access to the E-Studio pilot unit differs from the E-Box. Follow the relevant instruction for your fire.

- 4.1 Undo the pilot pipe from the pilot elbow using a 10mm spanner (see Diagram 9).



### E-STUDIO

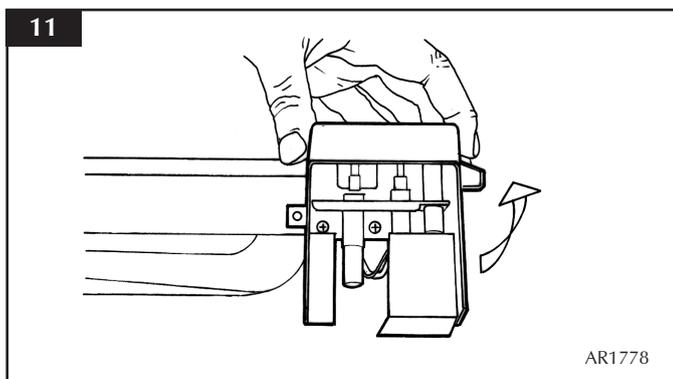
- 4.2 Gently pull the ignition lead off the electrode, see Diagram 10, arrow A, and undo the screws shown by arrows B.



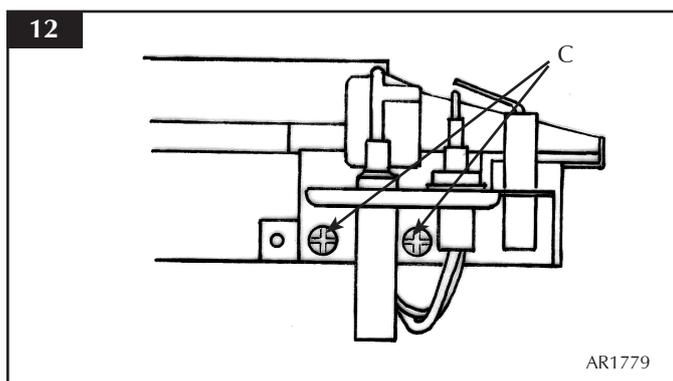
# SERVICING INSTRUCTIONS

## REPLACING PARTS

- 4.3 Lift the shroud up and away from the pilot (see Diagram 11).

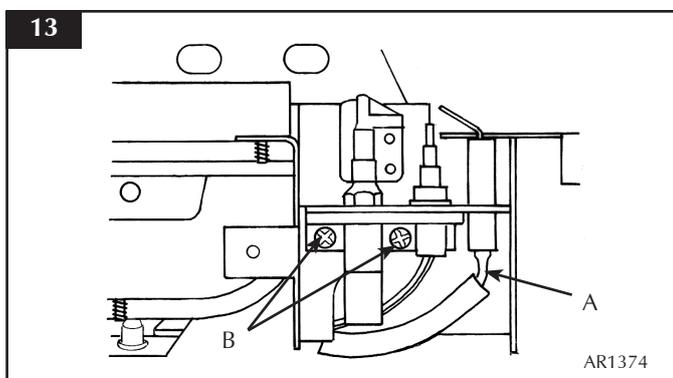


- 4.4 Remove the 2 x screws securing the pilot assembly (see Diagram 12, arrow C).



### E-BOX

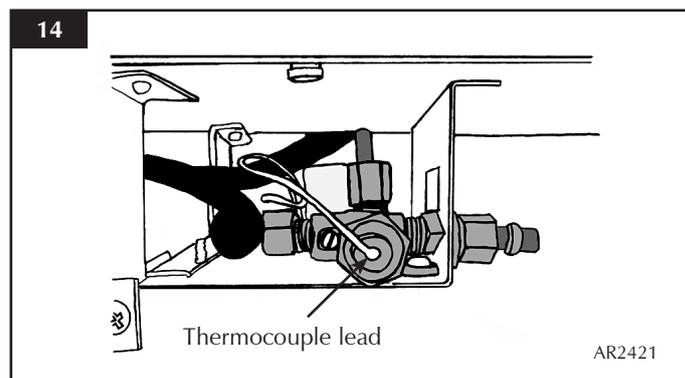
- 4.5 Gently pull the ignition lead off the electrode (see Diagram 13, arrow A).



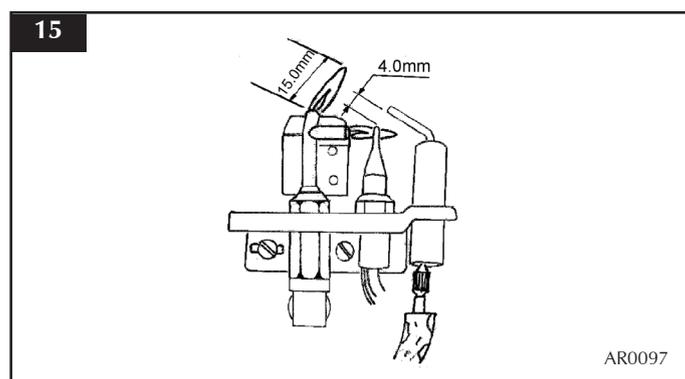
- 4.6 Remove the two screws securing the pilot assembly (see Diagram 13, arrows B).

### E-STUDIO & E-BOX

- 4.7 Undo the thermocouple connection at the front of the gas valve (see Diagram 14).



- 4.8 Replace with a new pilot assembly and check the spark gap (see Diagram 15).



After reassembly:

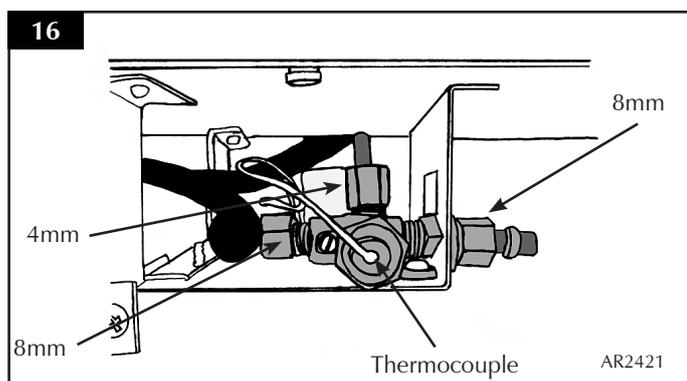
- 4.9 Check for gas soundness and carry out a flame failure functional check as detailed in the Fault Finding chart, especially the mag drop out time.

# SERVICING INSTRUCTIONS

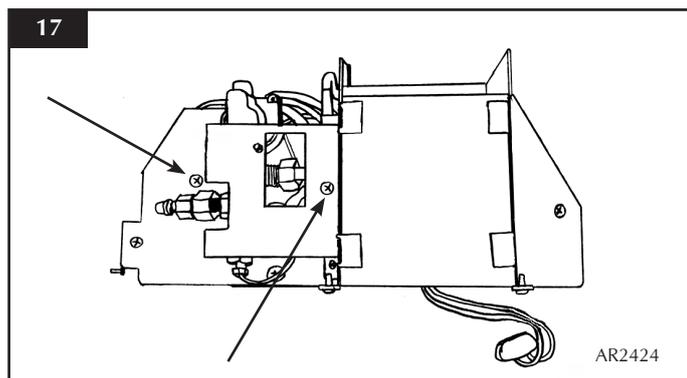
## REPLACING PARTS

### 5. GAS VALVE

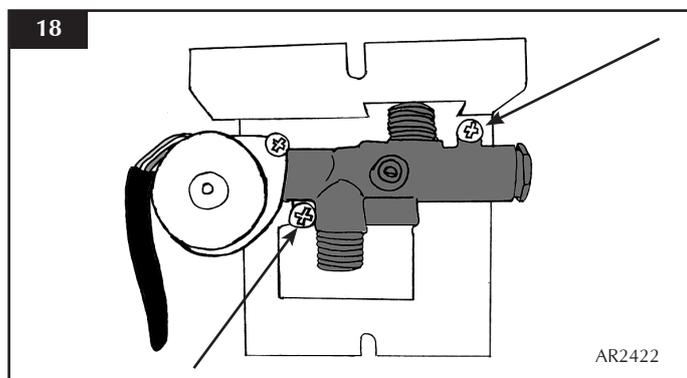
- 5.1 Disconnect the 2 x 8mm and 1 x 4mm gas pipe fittings and the thermocouple from the gas valve (see Diagram 16).



- 5.2 Remove the 2 x screws securing the valve bracket to the burner unit (see Diagram 17).



- 5.3 Remove the 2 x screws securing the gas valve to the gas valve bracket (see Diagram 18).



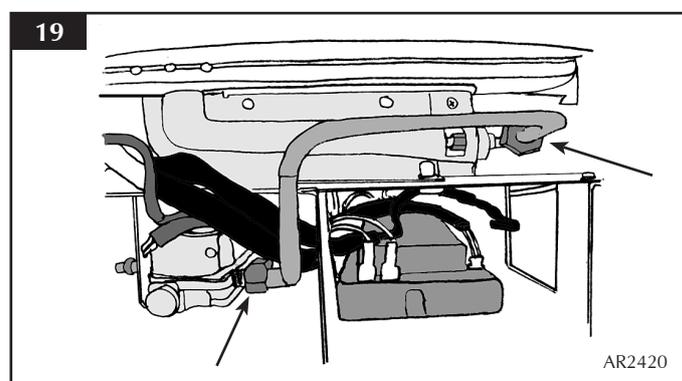
- 5.4 Replace in reverse order.  
5.5 Check all joints for gas leaks, check operation of the complete system.

### 6. MAG UNIT

- 6.1 The mag unit cannot be removed individually. To replace the mag unit the complete gas valve must be changed (see Section 5).

### 7. MAIN INJECTOR

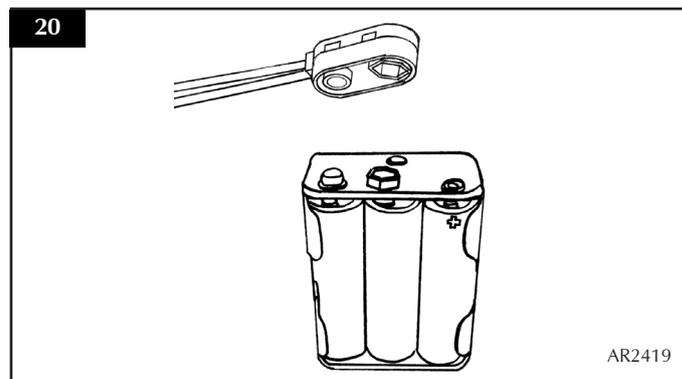
- 7.1 Undo the 2 x nuts connecting the injector to the gas valve and burner and pull the pipe clear of the injector body (see Diagram 19).



- 7.2 Replace with the correct replacement injector. When ordering, always state the model, gas type and serial number.  
7.3 Reassemble and turn the gas supply on, check for any leaks.

### 8. E-STUDIO & E-BOX CONTROL BOX

- 8.1 The control box can be replaced without removing the burner unit.  
8.2 Disconnect the battery pack from its cable (see Diagram 20).

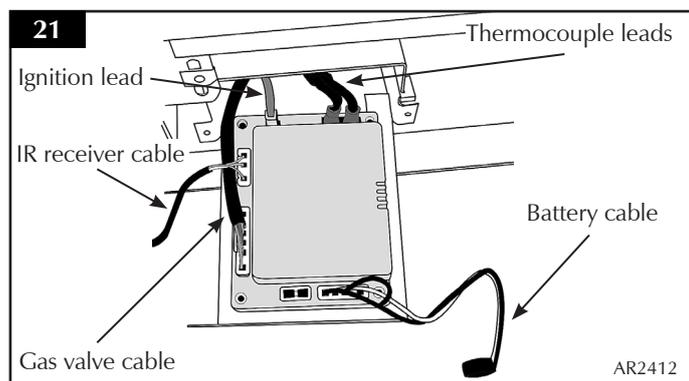


# SERVICING INSTRUCTIONS

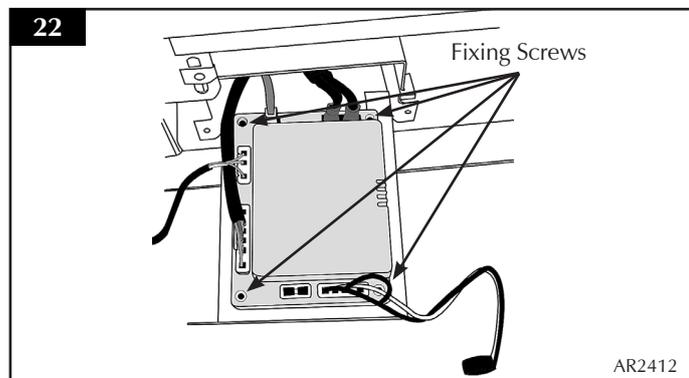
## REPLACING PARTS

- 8.3 Undo the 2 x screws on the front of the control box housing.
- 8.4 Pull the control box forward and disconnect the following cables (see Diagram 21):

Gas valve cable  
 Infrared receiver cable  
 Ignition lead  
 Thermocouple leads (x2)



- 8.5 Remove the 4 x fixing screws securing the control box to the tray (see Diagram 22).



- 8.6 Remove control box and replace with new, ensuring all cables are connected in the correct orientation.

### 9. CHANGING BETWEEN GAS TYPES

#### E-Studio

The following parts must be changed when converting an **E-Studio** from one gas type to another:

Burner Assembly	NG	GZ8578
	LPG	GZ8580
Data badge		PR0393EBCF-SIT

#### E-Box

The following parts must be changed when converting a **E-Box** from one gas type to another:

Burner Assembly	NG	GZ8560
	LPG	GZ8572
Data badge		PR0393EBCF-SIT
Burner Cover Gasket	NG	CE0273
	LPG	CE0498

#### Both E-Studio & E-Box

**Note:** The control valve will be set for the particular fire and gas type. In all instances, when ordering new parts be sure to quote the fire type and serial number.

**Use only genuine Gazco replacement parts. Non-standard components will invalidate the guarantee and may be dangerous.**

# SERVICING INSTRUCTIONS

## SPARE PARTS

### 10. SPARE PARTS LIST-E-STUDIO

GENERAL	
ENAMEL PANEL	GZ6578
STONE CHIPPINGS	CE0732
NATURAL GAS PARTS	
MAIN INJECTOR	IN0044
PILOT ASSEMBLY	PI0082
AERATION PLATE (NG)	GZ3270
GAS VALVE	GC0163
LPG PARTS	
MAIN INJECTOR	IN0065
PILOT ASSEMBLY	PI0083
AERATION PLATE (LPG)	GZ3867
GAS VALVE	GC0163
MISCELLANEOUS	
IGNITION LEAD	EL0480
PILOT SHROUD	GZ6370

### 11. SPARE PARTS LIST - E-BOX

CERAMIC PARTS	COAL	PEBBLE
FRONT COAL/PEBBLE	CE0490	CE0502
FLAME BAFFLE	CE0491	CE0503
SIDE PANEL LH	CE0482	CE0515
SIDE PANEL RH	CE0483	CE0514
REAR PANEL	CE0497	CE0517
TOP PANEL	CE0484	CE0516
COALS AND PEBBLES	CE0496	CE0504
NATURAL GAS PARTS		
MAIN INJECTOR	IN0064	
PILOT ASSEMBLY	PI0080	
AERATION PLATE (NG)	GZ3269	GZ3866
BURNER COVER BASKET (NG)	CE0273	
GAS VALVE	GC0163	
LPG PARTS		
MAIN INJECTOR	IN0031	
PILOT ASSEMBLY	PI0081	
AERATION PLATE (LPG)	GZ3866	GZ2025
BURNER COVER GASKET (LPG)	CE0498	
GAS VALVE	GC0163	
MISCELLANEOUS		
IGNITION LEAD	EL0480	
BATTERY BOX	EL0484	
BATTERY LEAD	EL0482	
INFRARED SENSOR LEAD	EL0471	
TOUCH PAD LEAD	EL0478	
TOUCH PAD	EL0476	
REMOTE HANDSET	EL0472	

# SERVICE RECORDS

## 1ST SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 3RD SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 5TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 7TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 9TH SERVICE

Date of Service:.....

Next Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 2ND SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 4TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 6TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 8TH SERVICE

Date of Service:.....

Next Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

## 10TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

**Gazco Limited, Osprey Road, Sowton Industrial Estate, Exeter, Devon, England EX2 7JG**  
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