



# *Clarendon and Ashdon Coal Effect Stove Range*

## *Conventional Flue*

With upgradeable control valve

## **Instructions for Use, Installation and Servicing**

For use in GB, IE (Great Britain and Eire)

### **IMPORTANT**

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423:2002 IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

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.

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:

	Ashdon		Clarendon NG			Clarendon LPG		
	NG	LPG	Small	Medium	Large	Small	Medium	Large
<b>Black</b>	8513	P8513	8541	8542	8543	P8541	P8542	P8543
<b>Black Clear Door</b>	8522B	P8522B	8517	8518	8519	P8517	P8518	P8519
<b>Midnight Blue</b>	8513B	P8513B	-	-	-	-	-	-
<b>Midnight Blue Clear Door</b>	8522B	P8522B	8517B	8518B	-	P8517B	P8518B	-
<b>Laurel Green</b>	8513G	P8513G	-	-	-	-	-	-
<b>Laurel Green Clear Door</b>	8522G	P8522G	8517G	8518G	-	P8517G	P8518G	-
<b>Ivory</b>	8513IV	P8513IV	-	-	-	-	-	-
<b>Ivory Clear Door</b>	8522IV	P8522IV	-	-	-	-	-	-
<b>Ivory Paint</b>	570-006	570-697	570-154	-	-	570-514	-	-
<b>Ivory Paint Clear Door</b>	570-070	570-601	570-227	-	-	570-443	-	-

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# APPLIANCE COMMISSIONING CHECKLIST

## IMPORTANT NOTICE

Explain the operation of the appliance 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 (Please circle <b>Y</b> / <b>N</b> as appropriate)	Y / N	Y / N
2. Standing pressure test in figures (e.g. 20 mb)		mb
3. Appliance working pressure (on High Setting) in figures (e.g. 20 mb) NB All other gas appliances must be operating on full		mb
4. Gas rate	m <sup>3</sup> /h	
5. Does ventilation meet appliance requirements		
6. Have controls been upgraded (Upgradeable models only)	8455 Standard YES	NO
	8456 Programmable Time & Temperature YES	NO

## DEALER AND INSTALLER INFORMATION

Dealer .....

Gas Type .....

.....

Installation Company .....

.....

Contact No. ....

.....

Date of Purchase .....

Engineer .....

Model No. ....

Contact No. ....

Serial No. ....

Corgi Reg No. ....

Date of Installation .....

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

**IMPORTANT: ALWAYS WEAR THE GLOVES PROVIDED WHEN HANDLING AN IVORY PAINTED APPLIANCE.**

**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.

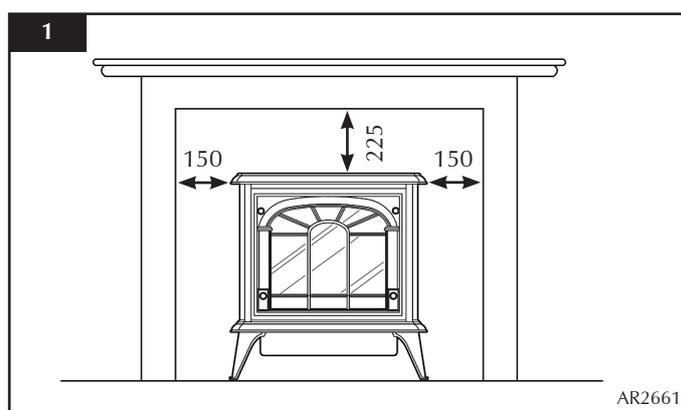
**The gas supply must not be used until remedial action has been taken to correct the defect and the installation has been recommissioned by a competent person.**

- 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 This appliance is suitable for use in G.B. and I.E. using Natural Gas at a supply pressure of 20mbar or LPG at a supply pressure of 29mbar (Butane) or 37mbar (Propane).
- 1.3 Read all these instructions before commencing installation.
- 1.4 This appliance must be installed in accordance with the rules in force and only used in a sufficiently ventilated space.
- 1.5 **Do not** place curtains above the appliance: There must be 300mm (1') clearance between the appliance and any curtains at either side.
- 1.6 No furnishings or other objects should be placed within 1 metre of the front of the appliance.
- 1.7 If any cracks appear in the glass panel do not use the appliance until the panel has been replaced.

- 1.8 The manufacturer considers the full outer casing of this appliance to be a working surface which becomes hot whilst in operation. A suitable guard is recommended to protect young children, the aged and the infirm.
- 1.9 This appliance must only be operated with the door secured firmly in position. If any cracks appear in the glass the appliance must not be used until the glass panel is replaced.
- 1.10 Do not attempt to burn rubbish in this appliance.
- 1.11 Any combustible shelves or surrounding furniture must only be fitted in accordance with the minimum dimensions detailed in Diagram 1.



- 1.12 Contact a competent service engineer to carry out relevant spillage checks etc. following home improvements after installation of this appliance (e.g. the fitting of double glazing).
- 1.13 In all correspondence, please quote the appliance type and serial number which can be found on the databadge at the rear of the appliance.
- 1.14 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 No. and Serial No. Please ensure the commissioning checklist is completed by the installer; this is a requirement of the Guarantee.

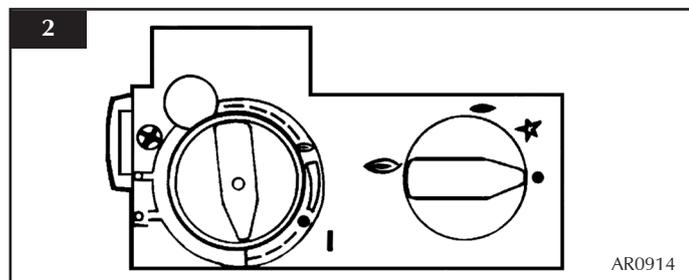
**IMPORTANT : NEVER position an LCD/Plasma TV above this fire.**

## 2. LIGHTING THE APPLIANCE

- 2.1 Locate the control valve on the appliance. There are two control knobs on the valve:
- the right controls the pilot ignition
  - the left controls the main burner.
- 2.2 If your appliance has already been upgraded to battery remote control, please refer to the instructions provided with the upgrade to operate the remote control. The following instructions work for either situation.

# USER INSTRUCTIONS

- 2.3 Ensure that the left-hand control knob is pointing to off (●).
- 2.4 Ensure that the right-hand control knob is pointing to off (●).



- 2.5 Press in the right-hand control knob and, keeping the knob depressed, turn it anti-clockwise until a click is heard and the knob is pointing to pilot (☛). The pilot should now light. If the pilot does not light, release the knob and repeat the procedure until it does.
- 2.6 Keep the control knob pressed in for 10 seconds and then release it, the pilot should stay alight. If the pilot goes out, repeat the procedures until it remains lit.
- 2.7 If the pilot does not light after repeated attempts, contact the retailer or installer from whom the appliance was purchased.
- 2.8 Turn the right-hand control to point to main burner (☞). The appliance can now be controlled using the left-hand control knob.
- 2.9 Turn the left-hand control knob to point to low flame (☞), the main burner lights on low. The burner can now be controlled between low and high settings. Turn the control knob anticlockwise to increase the flame height and clockwise to decrease the flame height.

**THE YELLOW FLAMES WILL APPEAR WHEN THE APPLIANCE HAS REACHED SUFFICIENT HEAT - TYPICALLY 10 TO 20 MINUTES. IF THE APPLIANCE IS EXTINGUISHED OR GOES OUT IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RE-LIGHT THE APPLIANCE.**

## 3. TURNING THE APPLIANCE OFF

- 3.1 To turn the appliance off, locate the control valve, turn the left-hand control knob until it points to off (●). The main burner goes out leaving the pilot burning.
- 3.2 To turn the pilot off, locate the control valve, turn the right-hand control knob until it points to off (●), the pilot goes out.

## 4. UPGRADING YOUR APPLIANCE

The appliance is fitted with a control valve that can be upgraded to support a battery powered remote control. Two types of remote control can be obtained through your local Gazco stockist:

- 4.1 The **Standard Remote Control (Gazco Part No. 8455)** controls the gas appliance after the pilot is lit so you can regulate the main burner through its range of settings and turn the burner off leaving just the pilot lit.
- 4.2 The **Thermostatic and Timer Remote Control (Gazco Part No. 8456)** controls the appliance after the pilot is lit using three modes:
- Manual Mode – used to turn the burner on and off and regulate it through its range of settings.
  - Auto Mode – used to turn the burner on and off and regulate the heat to a pre-set temperature.
  - Timer Mode – used to turn the burner on and off at two pre-set times and regulate the heat to a pre-set temperature during those periods.

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

The fuel effect and side panels in this appliance are made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application. 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. To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within 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. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

## 6. CLEANING THE APPLIANCE

**Allow the appliance to cool thoroughly to avoid risk of burns.**

**NOTE: THE CAST IRON DOOR IS HEAVY, TAKE EXTREME CARE WHEN HANDLING.**

# USER INSTRUCTIONS

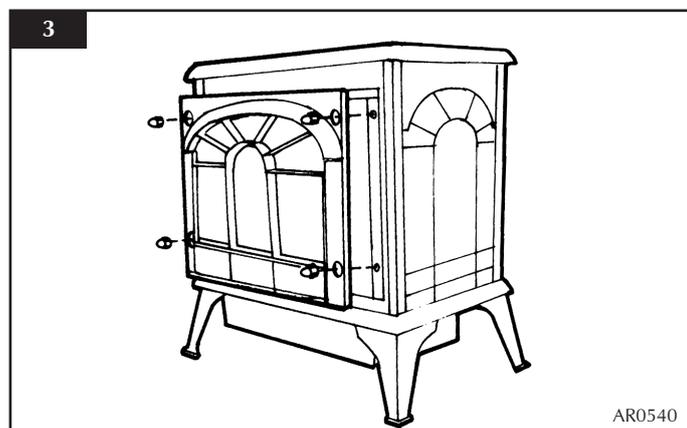
- 6.1 Remove the door by undoing the four dome nuts using the tool supplied and place to one side.
- 6.2 Carefully remove the ceramic fuel bed components and place to one side taking care to protect floor coverings etc, **PLEASE HANDLE WITH CARE.**
- 6.3 The coals should not require cleaning. Do not use a vacuum cleaner or brush to clean the coals, any large pieces of debris can be removed by hand.
- 6.4 Ensure any debris is removed from the burner ports.
- 6.5 Replace the ceramics by referring to section 6.
- 6.6 Use a damp cloth to clean the outer casing of the appliance.

## 7. CLEANING IVORY PAINTED APPLIANCES

- 7.1 **Allow the appliance to cool thoroughly to avoid risk of burns.**
- 7.2 Ivory painted appliances require special attention when cleaning. They have been coated with a high quality paint that should give many years of service. However, this colour will mark more easily and require cleaning more than other models.
- 7.3 Take care when touching the appliance to avoid marking the paint. Most marks can be removed using a mild soap solution and a clean lint free cloth. The finish can also be refreshed using aerosol touch up paint (product code 2055) available from your Gazco retailer.

## 8. FUEL BED ARRANGEMENT

The major ceramic components can be found inside the firebox. Remove the cast iron door using the tool provided, and remove all the protective packaging from these components. See Diagram 3.

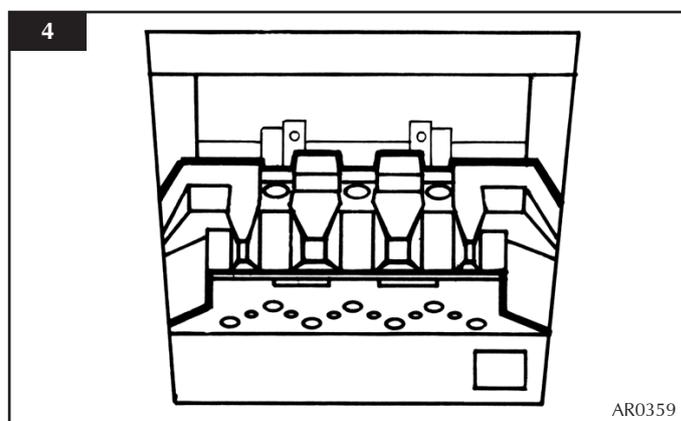


**NOTE: THE CAST IRON IS HEAVY, TAKE EXTREME CARE WHEN HANDLING.**

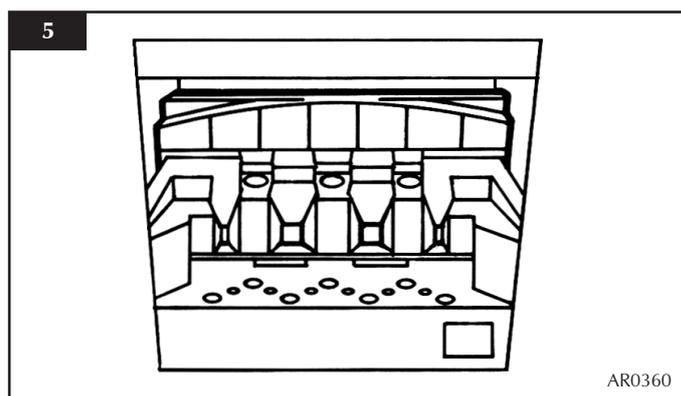
The loose coals should be arranged as specified in the following steps. Care should be taken to ensure that there is sufficient space between the coals to allow flames to pass through.

### Small Clarendon

- 8.1 Place the flame baffle onto the burner and push up against the rear tray lip (see Diagram 4).

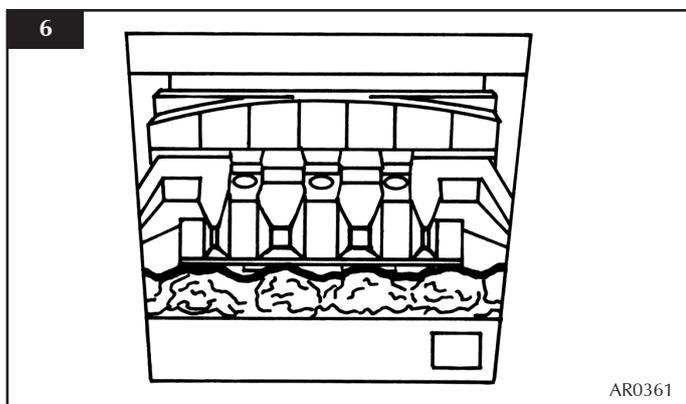


- 8.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle (see Diagram 5).

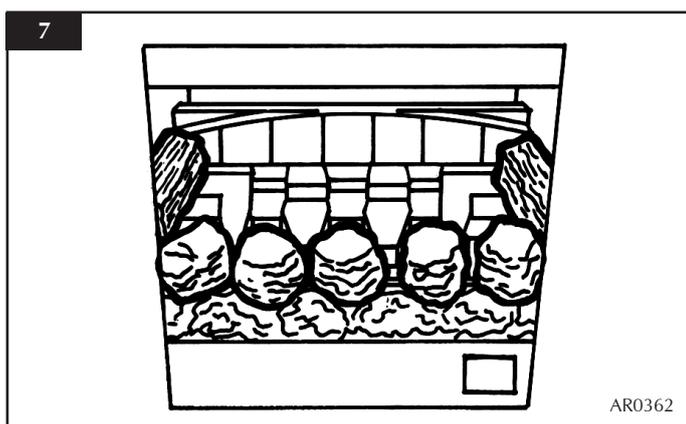


- 8.3 Locate the front coal between the heat shield and flame baffle so that its ends sit flat against the burner skin (see Diagram 6).

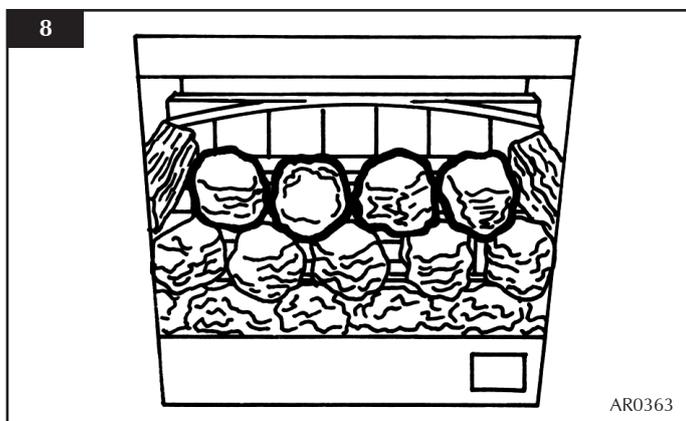
# USER INSTRUCTIONS



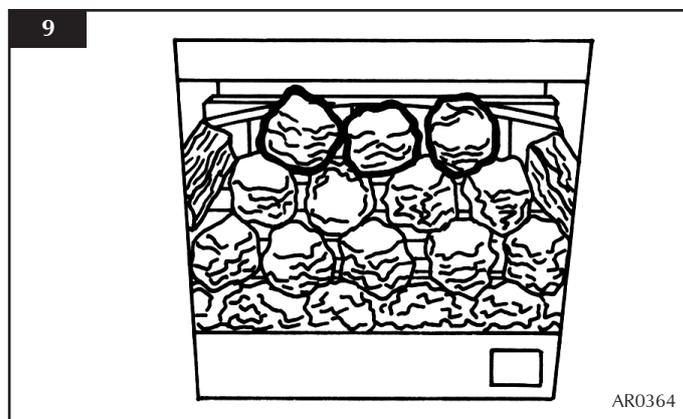
8.4 Place five of the loose round coals on the front coal so that they lean against the flame baffle, in between the fingers. Place the two rectangular coals behind the round coals, one at each side (see Diagram 7).



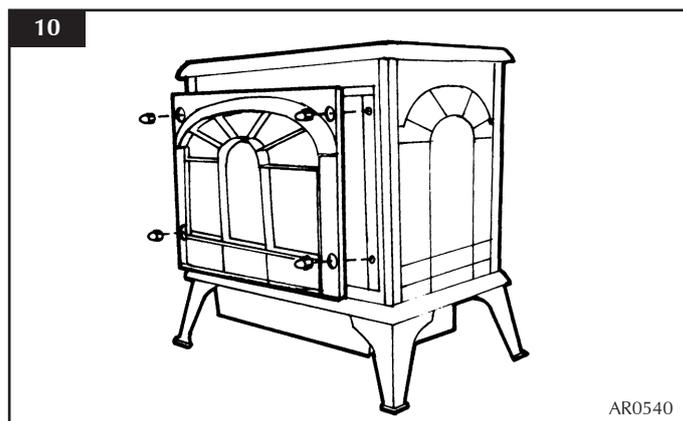
8.5 Place four of the loose round coals behind the first row so that they sit on the fingers, the two outer coals should touch the rectangular coals (see Diagram 8).



8.6 Place the remaining three round coals behind the centre row so that they touch the back panel (see Diagram 9).



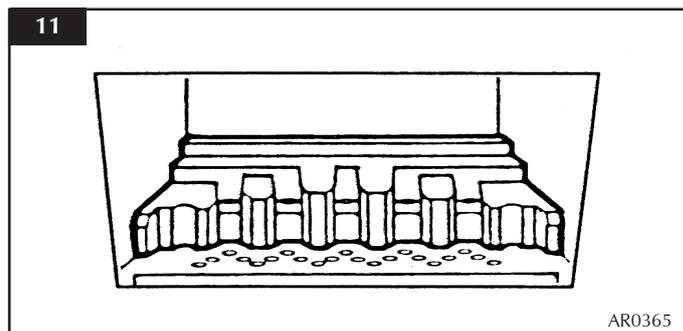
8.7 Ensure that the fibreglass seal on the back of the door is intact, locate the door on the four studs and slide back to the firebox. Secure in place using the four dome nuts and the tool supplied, do not over tighten the nuts (see Diagram 10). Keep the tool with these instructions for future use.



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

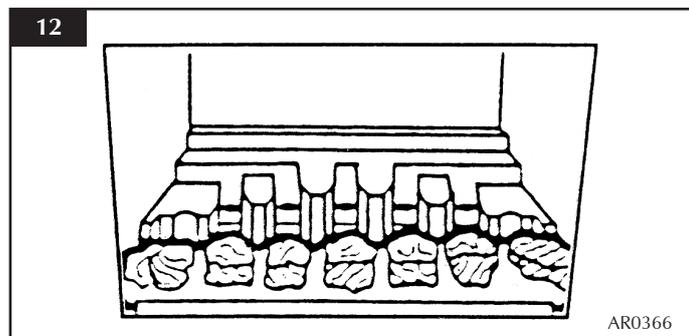
## Medium Clarendon and Ashdon

8.8 Place the flame baffle onto the shelf at the rear of the tray and push up against the rear ledge (see Diagram 11).

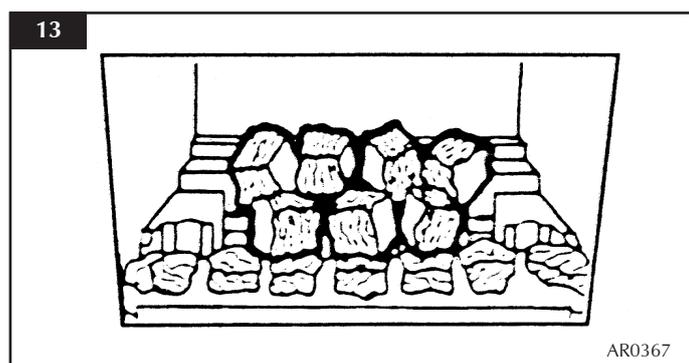


# USER INSTRUCTIONS

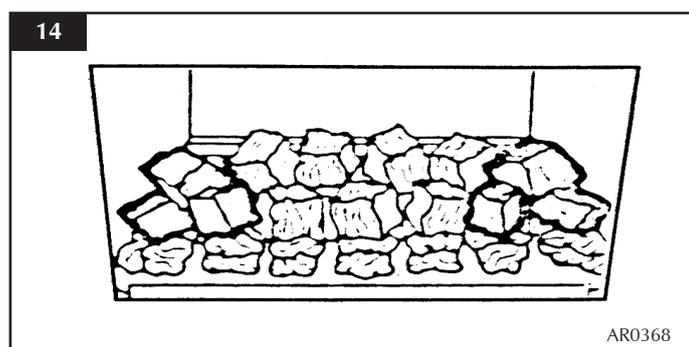
- 8.9 Locate the front coal moulding in front of the flame baffle ensuring that the end legs sit flat against the burner skin (see Diagram 12).



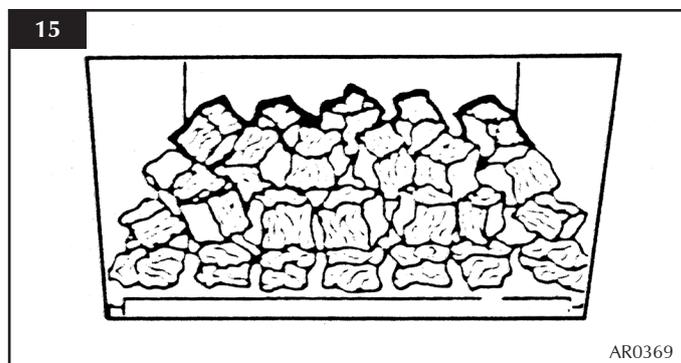
- 8.10 Place three large coals on the front coal so that they lean against the flame baffle, and the four large coals on the flame baffle so that they sit on the fingers (see Diagram 13).



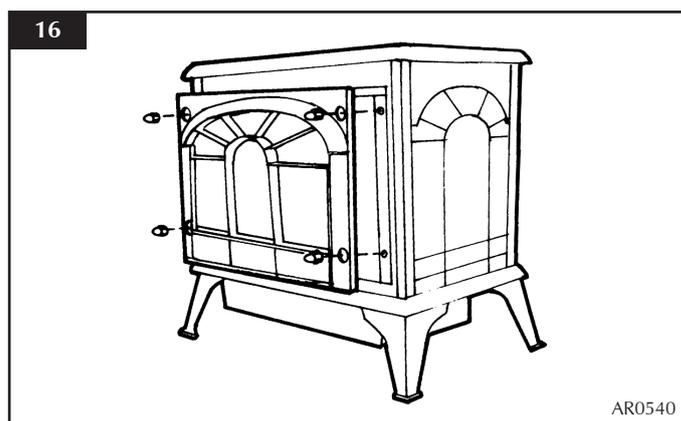
- 8.11 Place two small coals at each end of the front coal so that they lean against the flame baffle, and a further two large coals on the flame baffle, one at each end (see Diagram 14).



- 8.12 Place five small coals along the rear of the flame baffle, resting against the rear ledge (see Diagram 15).



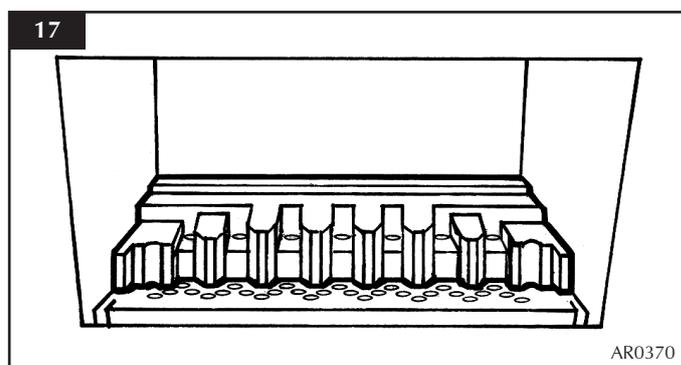
- 8.13 Ensure that the fibreglass seal on the back of the door is intact, locate the door on the four studs and slide back to the firebox. Secure in place using the four dome nuts and the tool supplied, do not over tighten the nuts (see Diagram 16). Keep the tool with these instructions for future use.



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

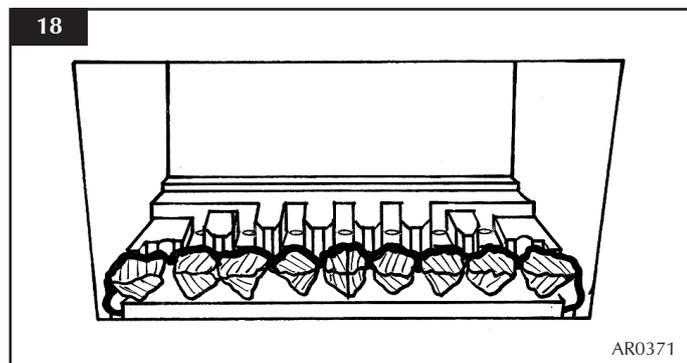
## Large Clarendon

- 8.14 Place the flame baffle onto the shelf at the rear of the tray and push up against the rear ledge (see Diagram 17).

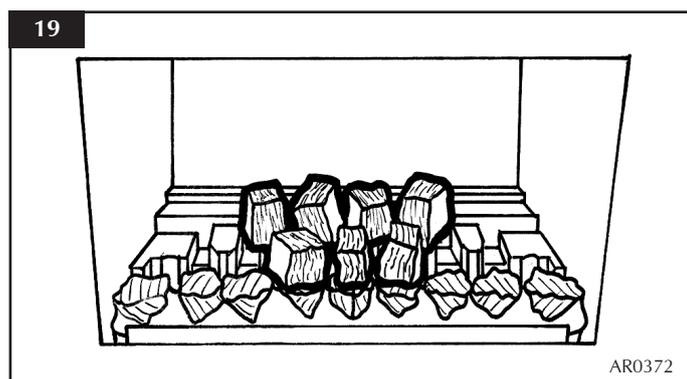


# USER INSTRUCTIONS

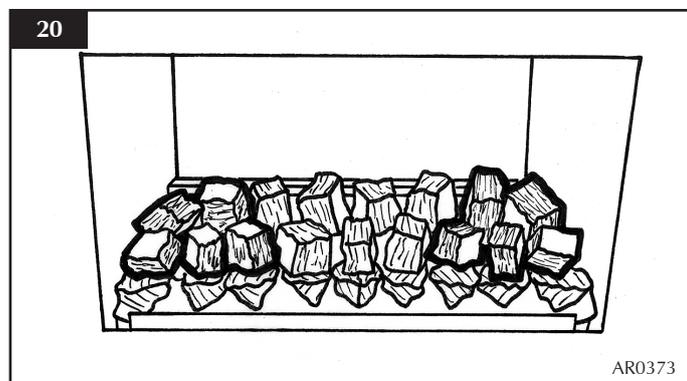
- 8.15 Locate the front coal moulding in front of the flame baffle ensuring that the end legs sit flat against the burner skin (see Diagram 18).



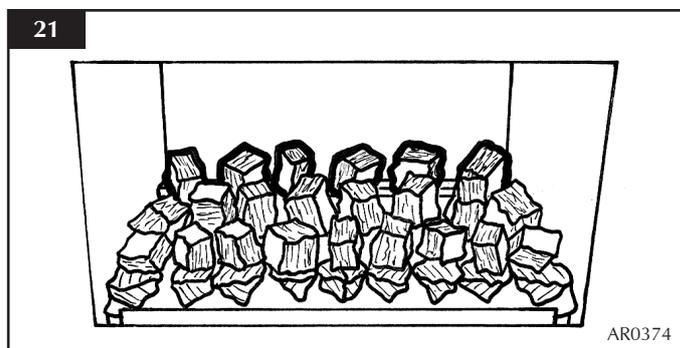
- 8.16 Place three large coals on the front coal so that they lean against the flame baffle and four large coals on the flame baffle so that they sit on the fingers (see Diagram 19).



- 8.17 Place three small coals at each end of the front coal so that they lean against the flame baffle and a further four large coals on the flame baffle, two at each end (see Diagram 20).

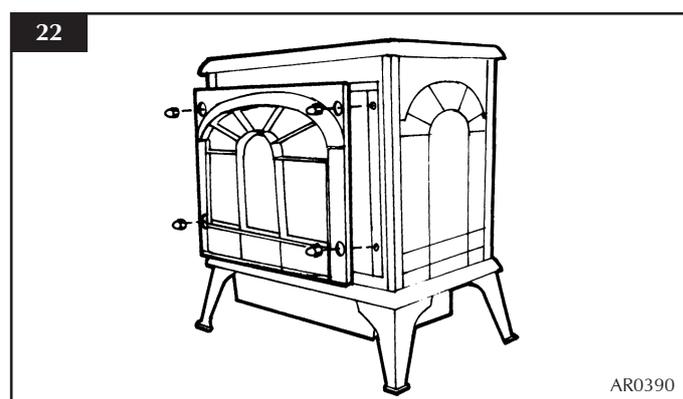


- 8.18 Place six small coals along the rear of the flame baffle, resting against the rear ledge (see Diagram 21).



**NOTE: ENSURE THAT THE COALS ARE POSITIONED, AS DETAILED ABOVE. ONLY USE THE CORRECT AMOUNT OF COALS, AS SPECIFIED IN THE DIAGRAMS.**

- 8.19 Ensure that the fibreglass seal on the back of the door is intact. Locate the door on the four studs and slide back to the firebox. Secure in place using the four dome nuts and the tool supplied, do not over tighten the nuts (see Diagram 22). Keep the tool with these instructions for future use.



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

## 9. GAZCO FLUE SURE SYSTEM

- 9.1 The appliance is fitted with the Gazco Flue Sure System, which will act to cut off the gas supply to the burner in the event of incorrect operation of the flue. If the system acts to cut off the gas supply, this indicates that there is insufficient flue pull. If this occurs a minimum of 10 minutes should be allowed before trying to relight. Continued operation of this safety device means there may be a serious problem with the flue system. A qualified gas engineer should inspect this. **Do not use the appliance until an engineer says it is safe to do so.**

# USER INSTRUCTIONS

## 10. THE FLAME FAILURE DEVICE

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

## 11. 'RUNNING IN'

- 11.1 The surface coating on your GAZCO appliance will 'burn off' during the first 24 hours of operation on high, producing a harmless and temporary odour. If the odour persists ask your retailer for advice.

## 12. SERVICING

- 12.1 A qualified gas engineer must service the appliance every 12 months. In all correspondence, always quote the appliance type and the Serial Number found on the data badge on the appliance.

## 13. VENTILATION

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

## 14. INSTALLATION DETAILS

- 14.1 To assist in any future correspondence, your installer should have completed the Appliance Commissioning Checklist in this manual. This records the essential installation details of this appliance. In all correspondence always quote the Model No. and Serial No.

## 15. HOT SURFACES

- 15.1 Parts of this appliance become hot during normal use. It is 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 area.

# INSTALLATION INSTRUCTIONS

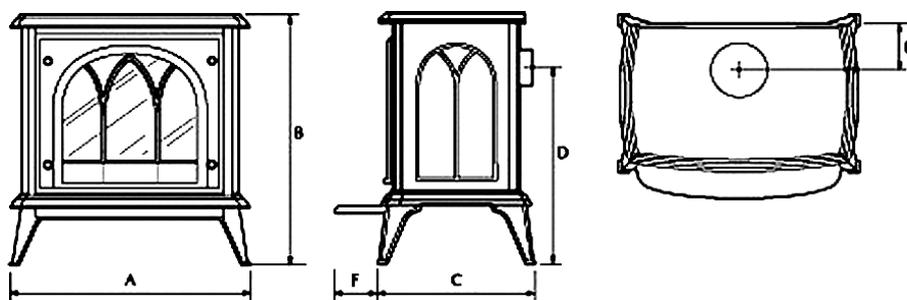
## TECHNICAL SPECIFICATIONS

ASHDON	8513	8522B	8513B	8522B	8513G	8522G	8513IV	8522IV	570-006	570-070		
	P8513	P8522B	P8513B	P8522B	P8513G	P8522G	P8513IV	P8513IV	570-697	570-601		
CLARENDON	8541	8517	8517B	8517G	570-154	570-227	8542	8518	8518B	8518G	8543	8519
	P8541	P8517	P8517B	P8517G	570-514	570-443	P8542	P8518	P8518B	P8518G	P8543	P8519

Model	Gas CAT	Gas Type	Working Pressure	NOX Class	Aeration	Injector	Gas Rate m <sup>3</sup> /h	Input kW (Gross)		Country
								High	Low	
<b>Small - Clarendon</b> 8541 / 8517 (all versions) 570-154 / 570-227	I <sub>2</sub> H	Natural Gas G20	20 mbar	5	7mm ø	260	0.433	4.55	2.5	GB,IE
P8541 / P8517 (all versions) 570-514 / 570-443	I <sub>3+</sub>	Propane G31	37 mbar	5	13mm ø	120	0.173	4.35	2.5	GB,IE
		Butane G30	29 mbar				0.131			
<b>Medium - Clarendon &amp; Ashdon</b> 8542 / 8518 / 8513 / 8522 (all versions)	I <sub>2</sub> H	Natural Gas G20	20 mbar	5	11mm ø	375	0.639	6.60	3.25	GB,IE
P8542 / P8518 / P8513 / P8522 (all versions)	I <sub>3+</sub>	Propane G31	37 mbar	5	15.5mm (2) ø	170	0.237	6.30	3.25	GB,IE
		Butane G30	29 mbar				0.18			
<b>Large Clarendon</b> 8543 / 8519	I <sub>2</sub> H	Natural Gas G20	20 mbar	5	13mm ø	560	0.848	8.90	4.0	GB,IE
P8543 / P8519	I <sub>3+</sub>	Propane G31	37 mbar	5	15.5 mm (2) ø	240	0.35	9.30	4.0	GB,IE
		Butane G30	29 mbar		13.0 mm (1) ø		0.266			
Efficiency Class II Flue Outlet Size 127 mm (5") ø Gas Inlet Connection Size 8 mm ø										
Minimum flue specification T260/N2/O/D/1										
Maximum flue temperature 180°C										

### Packing Checklist

- | Qty | Description           |
|-----|-----------------------|
| 1   | Stove                 |
| 1   | Flue Blanking plate   |
| 1   | Flue In fill plate    |
| 1   | Coal set*             |
| 1   | Flame Baffle*         |
| 1   | Front Coal*           |
| 1   | Fixing kit containing |
| 1   | Instruction Manual    |
| 2   | Wood screws           |
| 2   | Wall plugs            |
| 1   | Box spanner           |
- \*Packed in appliance



	A		B		C		D		E		F	
	ins	mm	ins	mm								
Small	17	431	23½	589	13½	342	16	404	5	125		
Medium	25¾	654	25¾	652	16¾	427	18¼	463	5	126	3½	90
Large	30⅝	779	28	710	18½	468	20⅜	517	6½	166		

# 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 127mm (5") in diameter.
- 1.2 The minimum height of the flue or chimney must be 3 metres (10ft). Any horizontal flue run from the rear outlet should not exceed 100mm from the back of the appliance.
- 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 prior to the installation of the appliance, but where it can be seen that the chimney is clean and unobstructed throughout its entire length, it need not be swept.

**NOTE: If it is intended to fit the appliance into an existing brick-built chimney without a closure plate\*, a 127mm (5") liner must be used. Larger lined flues may work, but in some instances could cause cold start flue problems resulting in nuisance shutdown. Lined flues above 175mm (7") are not recommended.**

Due to recent changes to European chimney standards, new flues and chimneys are now described by their temperature, pressure and resistance to corrosion, condensation and fire. To assist in identifying the correct flue system, the minimum flue specification is shown in the Technical Specification in this manual. Existing chimneys are not covered by this system.

- 1.5 **\*Closure Plate Installation**  
The small Clarendon stove can be installed into a standard fireplace opening with the optional closure plate and spigot extension made for the appliance. **Note the appliance and plate will require removing, when carrying out the annual service.** The small Clarendon is also approved, with a closure plate, for installation into pre-cast letterbox flues conforming to BS 1289:1986 with a minimum flue cross sectional area of 16500mm<sup>2</sup> and a minimum dimension of 90mm.

### 2. VENTILATION

- 2.1 The large stove has a rated output in excess of 7Kw and requires a minimum of 11cm<sup>2</sup> permanent effective free air. This is in addition to any window that opens, and although it must communicate with the outside air whenever possible, it can communicate with an adjacent room providing such space has a similar opening to the outside. The small and medium stoves have a rated output below 7Kw and do not normally require any additional ventilation.

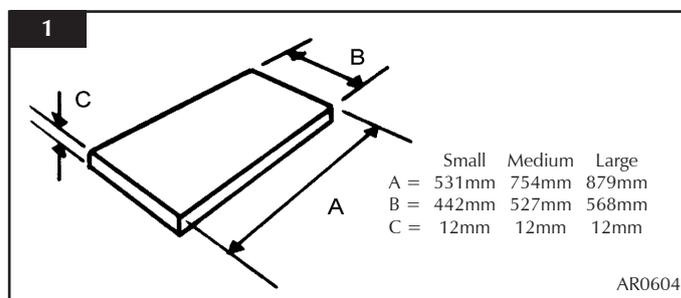
### 3. INSTALLATION OF THE GAS SUPPLY

- 3.1 Before installation, ensure the local distribution conditions (identification of the type of gas 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 Soft copper tubing and soft soldered joints can be used but must not be closer than 50mm to the base of the tray.
- 3.4 A means of isolating the gas supply to the appliance must be provided, independent of any appliance control.
- 3.5 All supply gas pipes must be purged of any debris that may have entered, prior to connection to the appliance.

### 4. APPLIANCE LOCATION

- 4.1 This appliance must stand on a non-combustible hearth that is at least 12mm thick and projects 50mm minimum from the base of the appliance in all directions.

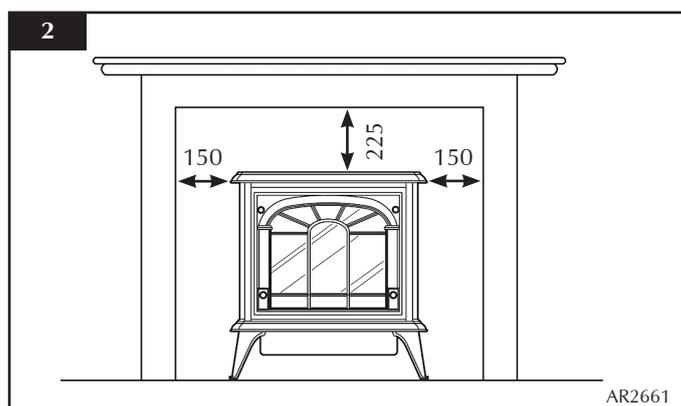


- 4.2 Do not install in a room that contains a bath or shower.

#### MINIMUM CLEARANCE

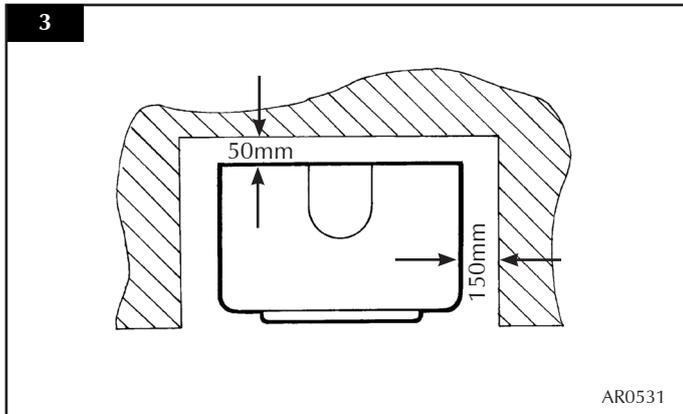
- 4.3 The appliance is not suitable for installation against a combustible wall. All combustible materials must be removed from behind the appliance.
- 4.4 **Ensure that all minimum clearances to combustible materials are complied with as shown in Diagrams 2 & 3.**

The specified clearances provide the minimum distance to combustible materials. If the appliance is intended to be installed into a non-combustible opening the clearance to the **sides and above** the appliance can be reduced. However, it is recommended that the specified clearances are maintained irrespective of the materials used in the construction of the opening to allow adequate air flow and access to controls. **The clearance at the rear of the appliance must always be a minimum of 50mm.**



# INSTALLATION INSTRUCTIONS

## SITE REQUIREMENTS



- 4.5 The above dimensions provide adequate clearance at the side and rear of the appliance so that the controls can be reached and a spillage test performed where applicable.

# INSTALLATION INSTRUCTIONS

## INSTALLATION

**IMPORTANT: ENSURE THAT THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE. REFER TO DATA BADGE AND TECHNICAL SPECIFICATIONS OF THIS BOOKLET. FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SERVICING INSTRUCTIONS, REPLACING PARTS.**

**IMPORTANT: ALWAYS WEAR THE GLOVES PROVIDED WHEN HANDLING AN IVORY PAINTED APPLIANCE.**

### 1. CONTROL UPGRADE

- 1.1 The appliance is fitted with a control valve that can be upgraded to support a battery powered remote control. Two types of remote control can be obtained through your local Gazco stockist.
- 1.2 This upgrade can be fitted before or after installation, but, if side clearances are limited, it will be easier to upgrade the appliance before installation. Full instructions are included with the kit.
- 1.3 The **Standard Remote Control (Gazco Part No. 8455)** controls the gas appliance after the pilot is lit so you can regulate the main burner through its range of settings and turn the burner off leaving just the pilot lit.
- 1.4 The **Thermostatic and Timer Remote Control (Gazco Part No. 8456)** controls the appliance after the pilot is lit using three modes:
  - Manual Mode – used to turn the burner on and off and regulate it through its range of settings.
  - Auto Mode – used to turn the burner on and off and regulate the heat to a pre-set temperature.
  - Timer Mode – used to turn the burner on and off at two pre-set times and regulate the heat to a pre-set temperature during those periods.

### 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 these instructions before installation and use of this appliance.
- 2.2 All the instructions must be left intact with the user.
- 2.3 In your own interest, and those of 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.
- 2.4 This appliance is intended for use on a governed gas installation and set to the required pressure.

- 2.5 Keep all plastic bags away from young children.
- 2.6 Do not place any object on or near to the appliance. Allow adequate clearance above the appliance. See Diagram 2, page 12.
- 2.7 The appliance is fitted with the **Gazco Flue Sure System**, which acts to cut off the gas supply to the appliance in the event of incorrect operation of the flue. If the system acts to shut off the gas supply, this indicates there is insufficient flue pull. If this occurs a minimum of 10 minutes should be allowed before trying to relight. Continued operation of this safety device means there may be a serious problem with the flue system and a qualified gas engineer must inspect. **DO NOT USE THE APPLIANCE UNTIL AN ENGINEER SAYS IT IS SAFE TO DO SO.**
- 2.8 Do not tamper with the Flue Sure System. Use only genuine Gazco replacement parts when servicing the system - refer to Servicing Instructions, Replacing Parts.

### 3. INSTALLATION OF THE APPLIANCE

#### Flue Pipe Installation

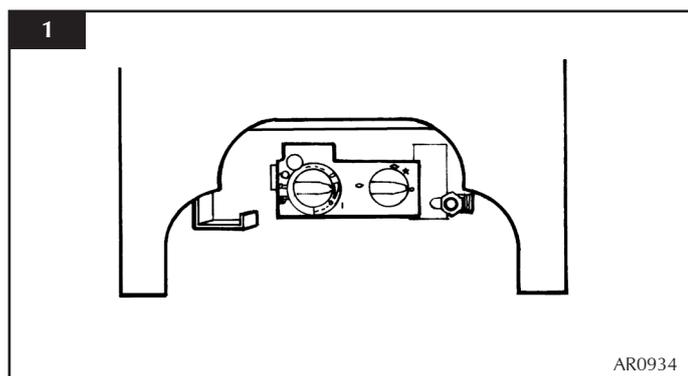
- 3.1 Open the carton and remove the accessory carton and appliance unit. Decide upon top or rear flue exit. The appliance is factory built for rear flue exit, but it may be changed to top exit by using the following method:
  - 3.1.1 Remove the flue spigot from the rear of the appliance and replace with the blanking plate from the top of the appliance.
- 3.2 Position the appliance ensuring all appropriate clearances are observed.
- 3.3 Remove the appliance and drill the holes using a number 12 masonry drill. Push wall plugs into the holes and insert the wood screws until the head is approximately 3mm proud of the hearth. Place the appliance in position so that the screw head is located in the large part of the slot in the bracket. Push the appliance back so that the screw heads engage fully into the narrow part of the slot. Tighten the screws if desired.

# INSTALLATION INSTRUCTIONS

## INSTALLATION

### 4. GAS SUPPLY

- 4.1 Having run the gas supply to the appliance, **PURGE THE SUPPLY PIPE**. This is essential to expel any debris that may block the gas controls. Connect the gas supply to the 8mm-compression elbow at the right hand rear corner of the appliance.



There is a cutout in the right hand rear leg to enable a direct straight connection to be made to the rear of the appliance. See Diagram 1. A gas soundness check must be completed up to the gas inlet connection.

- 4.2 Check the pull of the flue system by applying a lighted smoke pellet to the flue system opening. If there is a definite flow into the chimney, proceed with the installation. If not, warm the chimney for a few minutes.

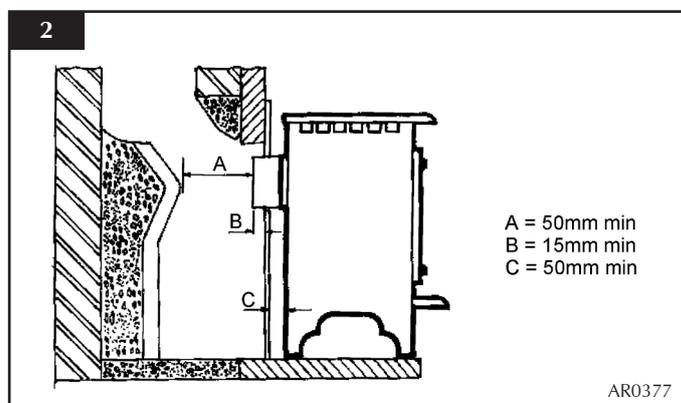
**IF THERE IS STILL NO DEFINITE FLOW, THE FLUE MAY REQUIRE ATTENTION - SEEK EXPERT ADVICE**

- 4.3 The flue system may now be connected to the appliance. Ensure that all joints are sealed with a suitable fire resistant sealant. It is also recommended that a physical retention method be used at the flue spigot joint, self-tapping screws are recommended.
- 4.4 Connect a suitable pressure gauge to the test point located on the inlet fitting and turn on the gas supply. Light the appliance and check all gas joints for gas soundness. Turn the appliance to a maximum and check that the supply pressure is as stated on the databadge. Turn the gas off and replace the test point screw. Turn the gas on and check the test point for gas soundness.

### 5. CLOSURE PLATE INSTALLATION

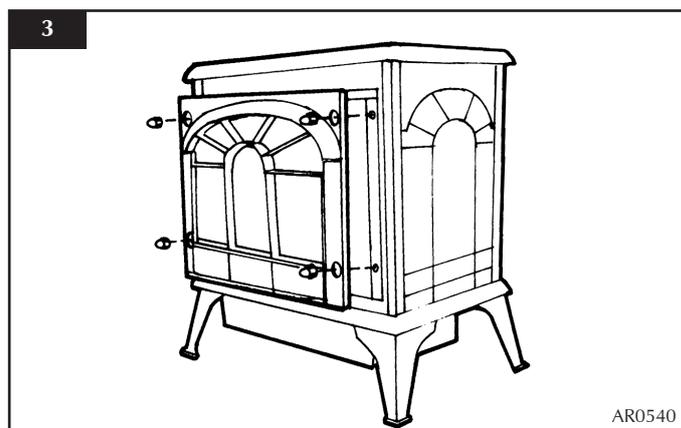
**NOTE: The Small & Medium stoves are also suitable for installation into a fireplace opening. The following method illustrates how this can be achieved with the aid of the optional closure plate and spigot extension. Ensure the fireplace dimensions are as shown in Diagram 2.**

- 5.1 Place the closure plate against the fireplace opening and ensure there is sufficient overlap around the perimeter to allow a fume tight seal to be made. Cut straight across the top of the plate if trimming is required.
- 5.2 Seal the plate to the opening and the hearth with a suitable heat resisting material. Ensure that any relief opening at the bottom of the plate is left unobstructed.
- 5.3 Secure the spigot extension to the engine assembly and seal with heat resisting tape or similar. Position the engine assembly ensuring 50mm rear clearance is maintained (see Diagram 2) and then proceed with the installation as detailed in points 3.2 to 3.3 above.



### 6. FUEL BED ARRANGEMENT

The major ceramic components can be found inside the firebox. Remove the cast iron door using the tool provided, and remove all the protective packaging from these components. See Diagram 3.



**NOTE: THE CAST IRON IS HEAVY, TAKE EXTREME CARE WHEN HANDLING.**

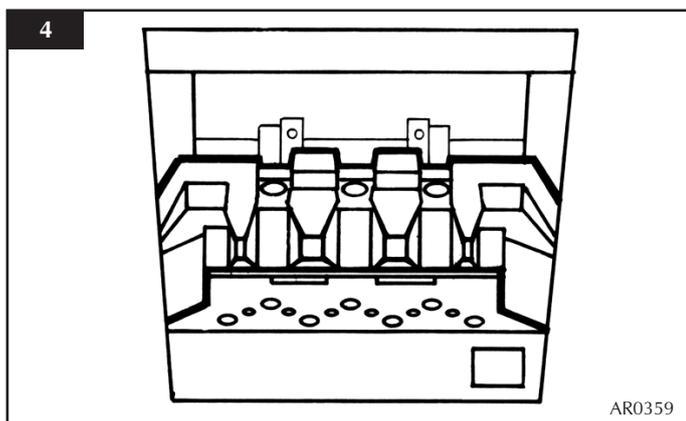
The loose coals should be arranged as specified in the following steps. Care should be taken to ensure that there is sufficient space between the coals to allow flames to pass through.

# INSTALLATION INSTRUCTIONS

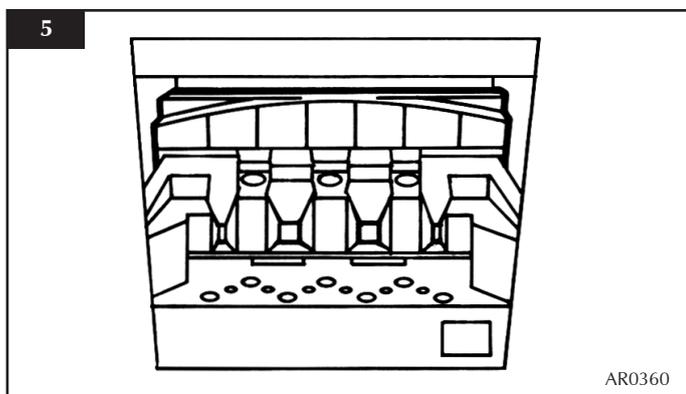
## INSTALLATION

### Small Clarendon

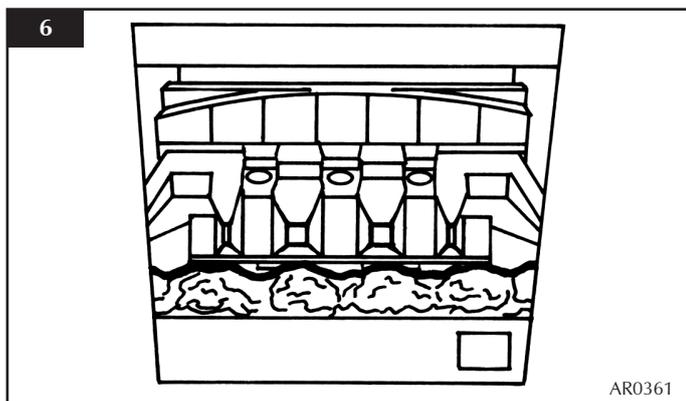
- 6.1 Place the flame baffle onto the burner and push up against the rear tray lip (see Diagram 4).



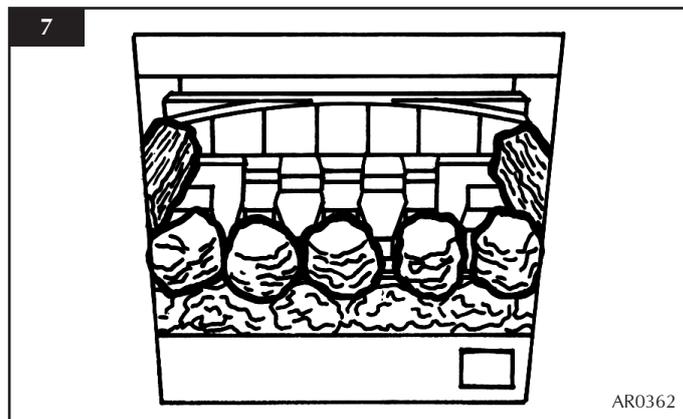
- 6.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle (see Diagram 5).



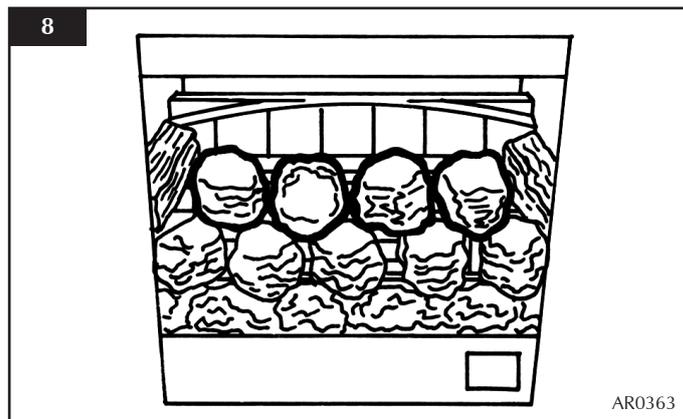
- 6.3 Locate the front coal between the heat shield and flame baffle so that its ends sit flat against the burner skin (see Diagram 6).



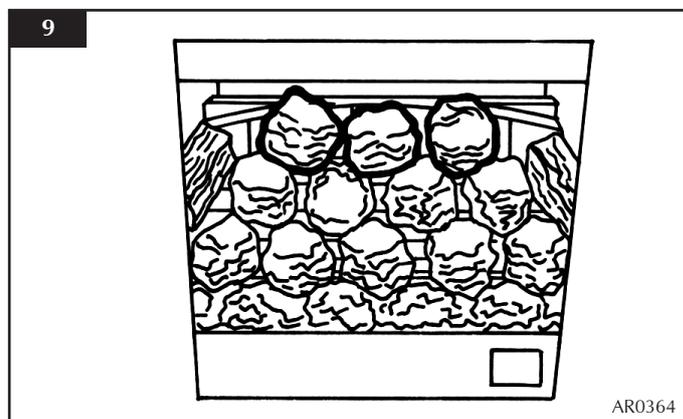
- 6.4 Place five of the loose round coals on the front coal so that they lean against the flame baffle, in between the fingers. Place the two rectangular coals behind the round coals, one at each side (see Diagram 7).



- 6.5 Place four of the loose round coals behind the first row so that they sit on the fingers, the two outer coals should touch the rectangular coals (see Diagram 8).



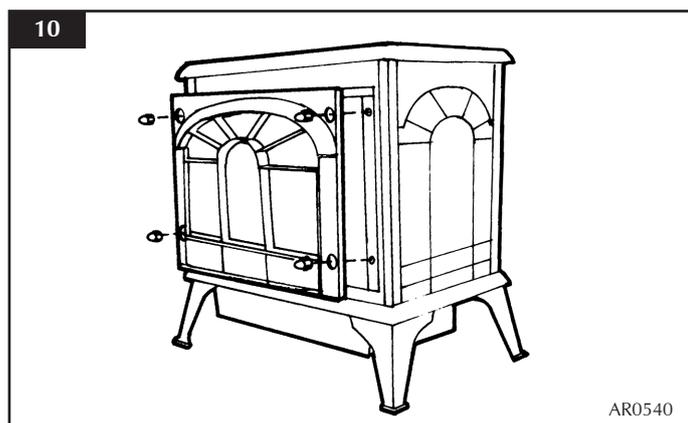
- 6.6 Place the remaining three round coals behind the centre row so that they touch the back panel (see Diagram 9).



# INSTALLATION INSTRUCTIONS

## INSTALLATION

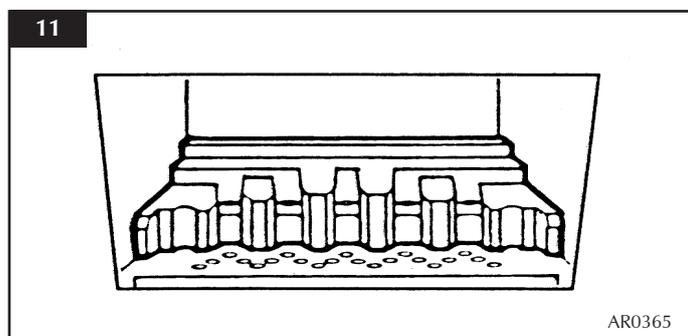
- 6.7 Ensure that the fibreglass seal on the back of the door is intact, locate the door on the four studs and slide back to the firebox. Secure in place using the four dome nuts and the tool supplied, do not over tighten the nuts (see Diagram 10). Keep the tool with these instructions for future use.



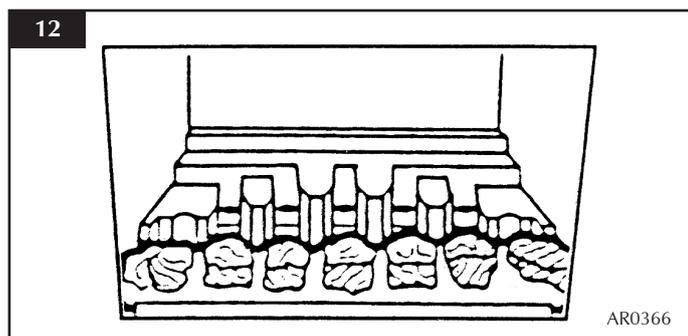
**NEVER OPERATE THE APPLIANCE WHEN THE DOOR IS REMOVED OR WHEN THE GLASS IS BROKEN.**

### Medium Clarendon and Ashdon

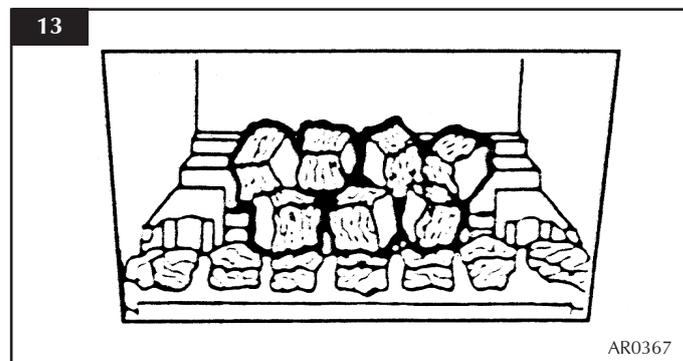
- 6.8 Place the flame baffle onto the shelf at the rear of the tray and push up against the rear ledge (see Diagram 11).



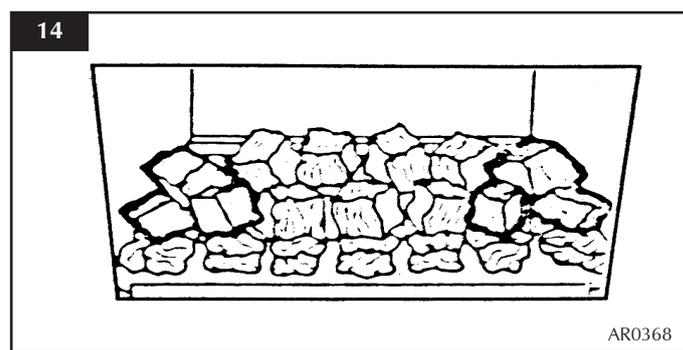
- 6.9 Locate the front coal moulding in front of the flame baffle ensuring that the end legs sit flat against the burner skin (see Diagram 12).



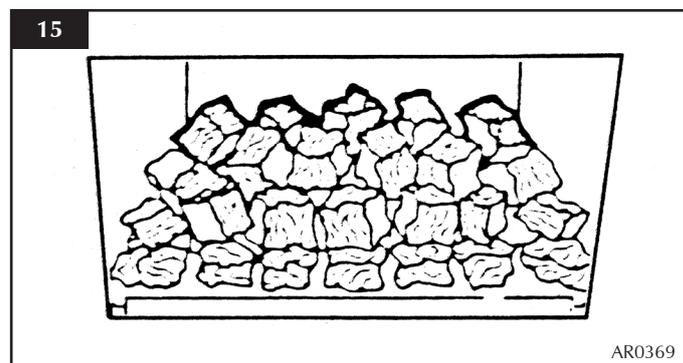
- 6.10 Place three large coals on the front coal so that they lean against the flame baffle, and the four large coals on the flame baffle so that they sit on the fingers (see Diagram 13).



- 6.11 Place two small coals at each end of the front coal so that they lean against the flame baffle, and a further two large coals on the flame baffle, one at each end (see Diagram 14).



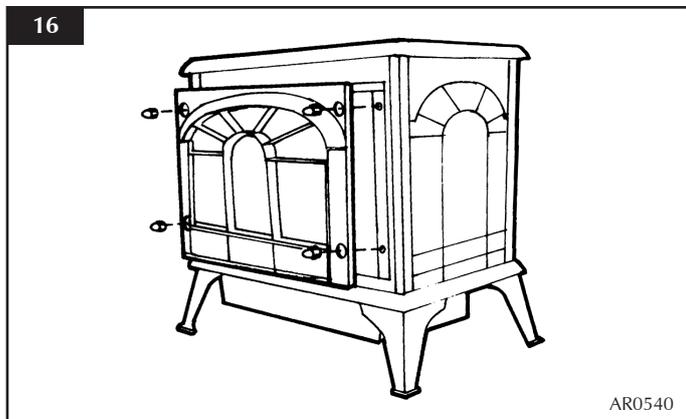
- 6.12 Place five small coals along the rear of the flame baffle, resting against the rear ledge (see Diagram 15).



- 6.13 Ensure that the fibreglass seal on the back of the door is intact, locate the door on the four studs and slide back to the firebox. Secure in place using the four dome nuts and the tool supplied, do not over tighten the nuts (see Diagram 16). Keep the tool with these instructions for future use.

# INSTALLATION INSTRUCTIONS

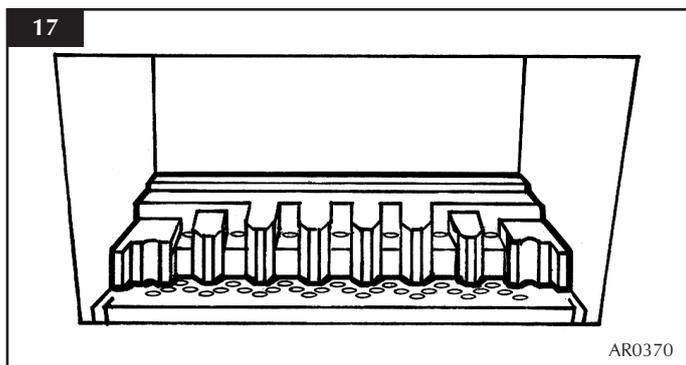
## INSTALLATION



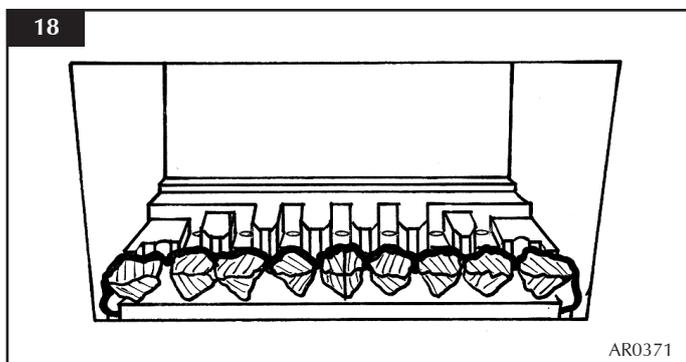
**NEVER OPERATE THE APPLIANCE WHEN THE DOOR IS REMOVED OR WHEN THE GLASS IS BROKEN.**

### Large Clarendon

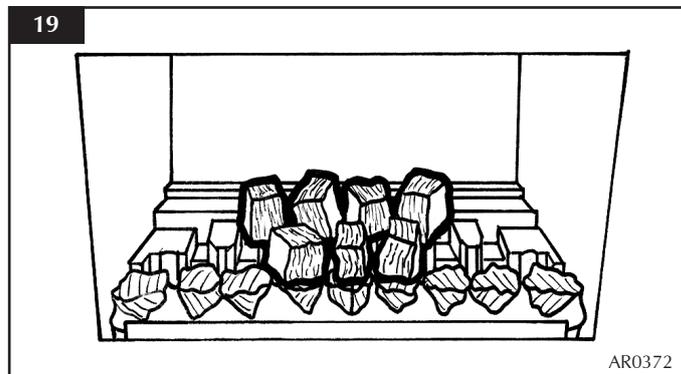
- 6.14 Place the flame baffle onto the shelf at the rear of the tray and push up against the rear ledge (see Diagram 17).



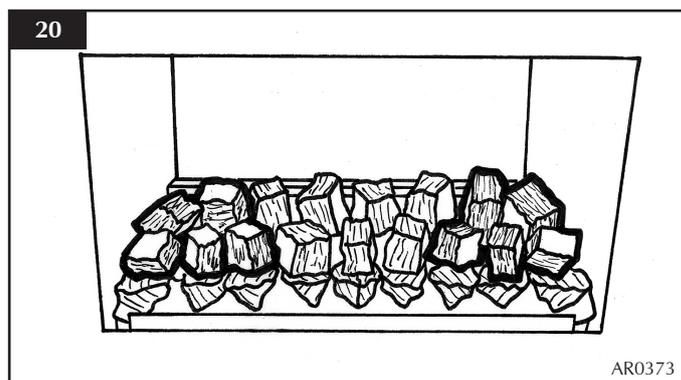
- 6.15 Locate the front coal moulding in front of the flame baffle ensuring that the end legs sit flat against the burner skin (see Diagram 18).



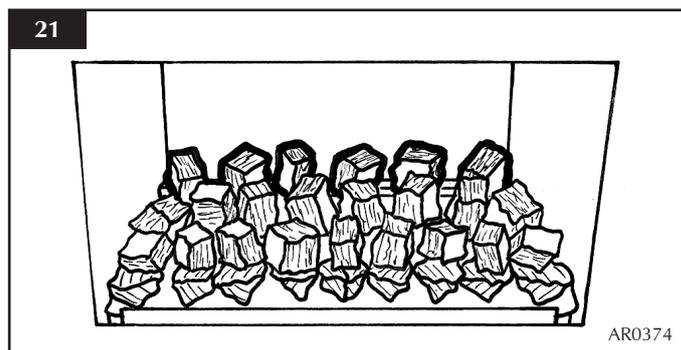
- 6.16 Place three large coals on the front coal so that they lean against the flame baffle and four large coals on the flame baffle so that they sit on the fingers (see Diagram 19).



- 6.17 Place three small coals at each end of the front coal so that they lean against the flame baffle and a further four large coals on the flame baffle, two at each end (see Diagram 20).



- 6.18 Place six small coals along the rear of the flame baffle, resting against the rear ledge (see Diagram 21).

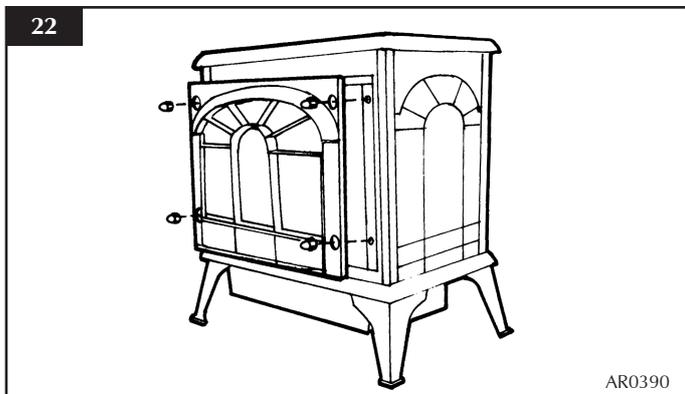


**NOTE: ENSURE THAT THE COALS ARE POSITIONED, AS DETAILED ABOVE. ONLY USE THE CORRECT AMOUNT OF COALS, AS SPECIFIED IN THE DIAGRAMS.**

- 6.19 Ensure that the fibreglass seal on the back of the door is intact. Locate the door on the four studs and slide back to the firebox. Secure in place using the four dome nuts and the tool supplied, do not over tighten the nuts (see Diagram 22).

# INSTALLATION INSTRUCTIONS

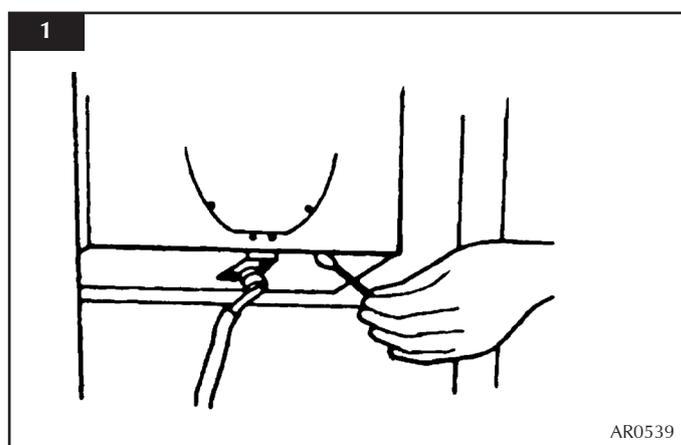
## INSTALLATION / COMMISSIONING



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

### 1. COMMISSIONING

- 1.1 Close all doors and windows in the room. Ignite the appliance and operate on maximum for 10 minutes. Remove the plastic sight plug from the right-hand side of the appliance. Position a lighted smoke match just inside the draught diverter opening and check that all smoke is drawn into the opening. Watch through the viewing hole in the side of the casing. In restricted locations a mirror can be used (see Diagram 1). If there is any doubt, run the appliance for a further 10 minutes, and repeat the test.



- 1.2 If there are any extractor fans in adjacent rooms, the test must be repeated with the fans running on maximum and interconnecting doors open.

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

For future reference record the installation details on the Appliance Commissioning Checklist on page 3 of these instructions.

# SERVICING INSTRUCTIONS

## SERVICING / FAULT FINDING CHARTS

### 1. SERVICING REQUIREMENTS

**IMPORTANT** – The glass panel on this appliance should be checked for any signs of damage on the front face of the glass panel (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 dealer 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 in accordance with the current Gas Safe recommendations.

#### 1.1 Before Testing:

- Conduct a gas soundness test for the property ensuring there are no leaks before servicing.
- Check the operation of the appliance before testing.

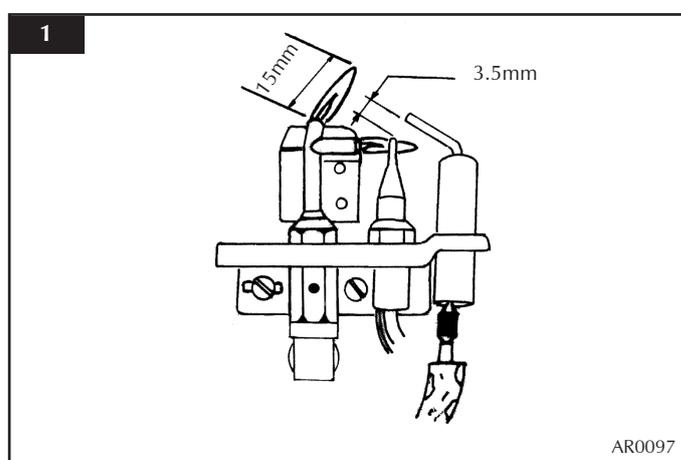
#### 1.2 Special checks:

- Clean away lint or fluff from the pilot.
- Clean away lint or fluff from under the burner.
- Check the spark gap on the pilot is correct.

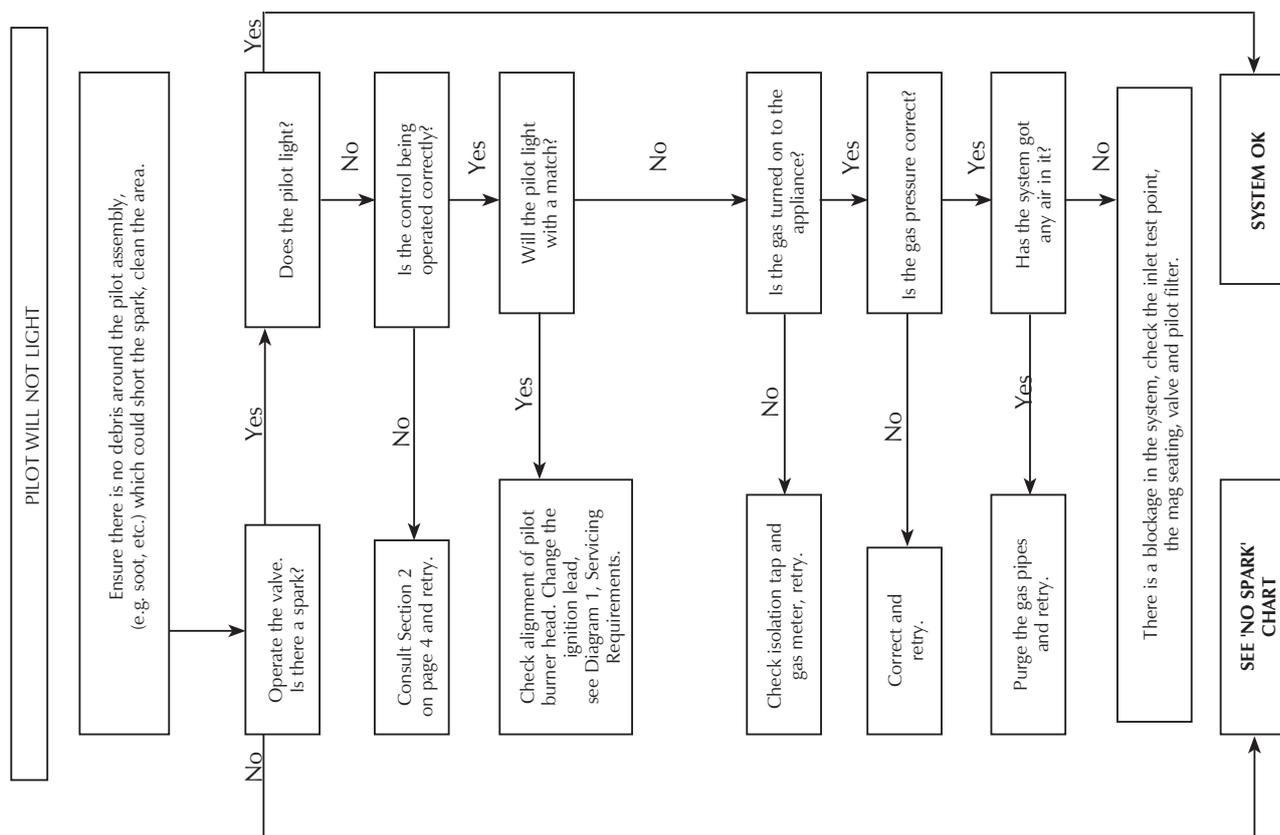
#### 1.3 Correct any faults found during the initial test.

#### 1.4 Re-commission the appliance in accordance with Commissioning Procedures as detailed on page 18 of these instructions.

#### 1.5 Advise the customer of any remedial work undertaken.



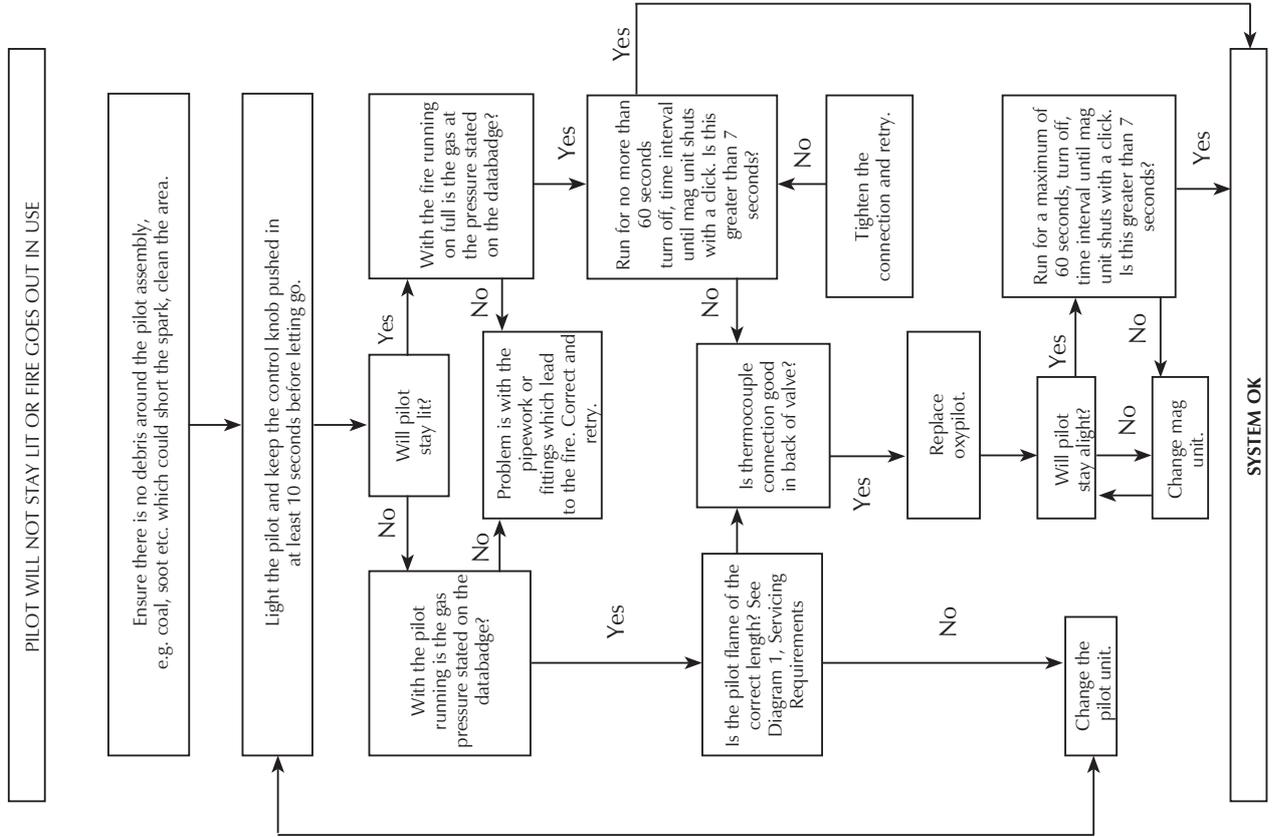
### IGNITION FUNCTIONAL CHECK 1



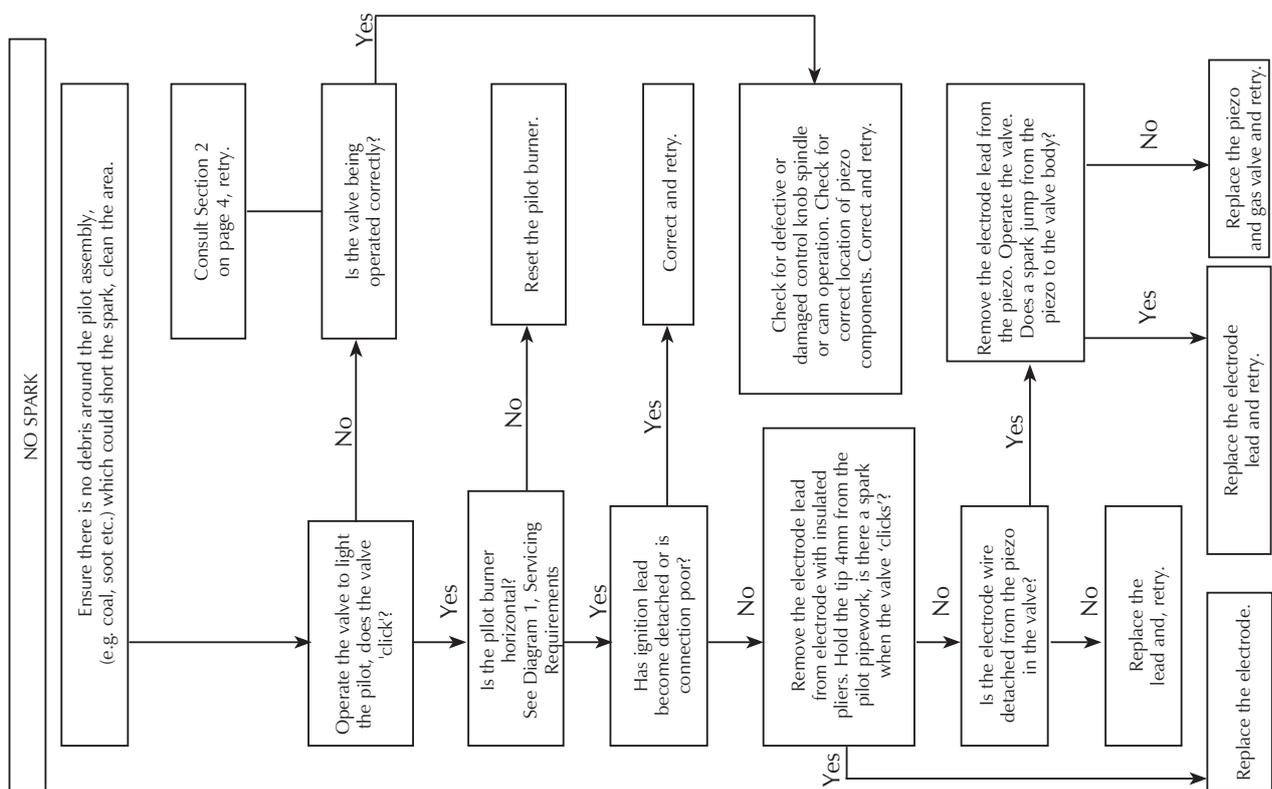
# SERVICING INSTRUCTIONS

## FAULT FINDING CHARTS

### FLAME FAILURE FUNCTIONAL CHECK



### IGNITION FUNCTIONAL CHECK 2



# SERVICING INSTRUCTIONS

## REPLACING PARTS

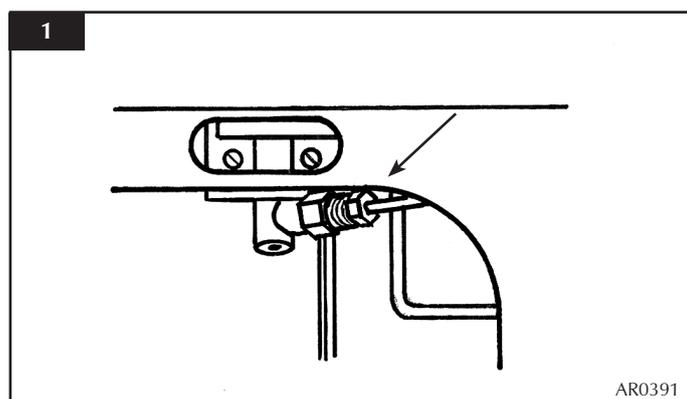
### 1. GENERAL

**IMPORTANT: ALWAYS WEAR THE GLOVES PROVIDED WHEN HANDLING AN IVORY PAINTED APPLIANCE.**

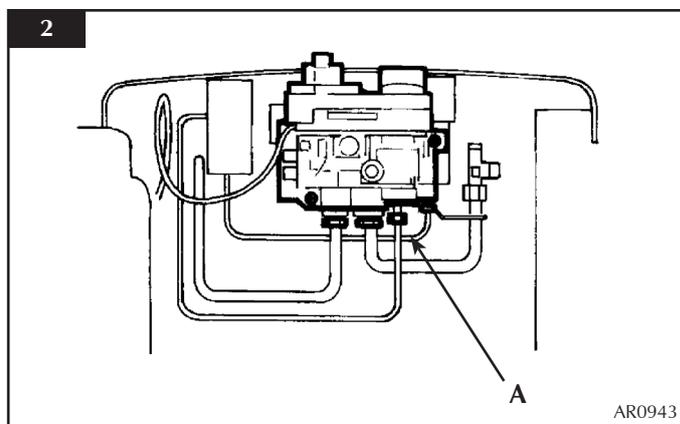
- 1.1 All principal components can be replaced without removing the appliance from its installation but it is essential that the gas supply to the appliance is turned off at the isolation device before proceeding further.

### 2. BURNER UNIT REMOVAL

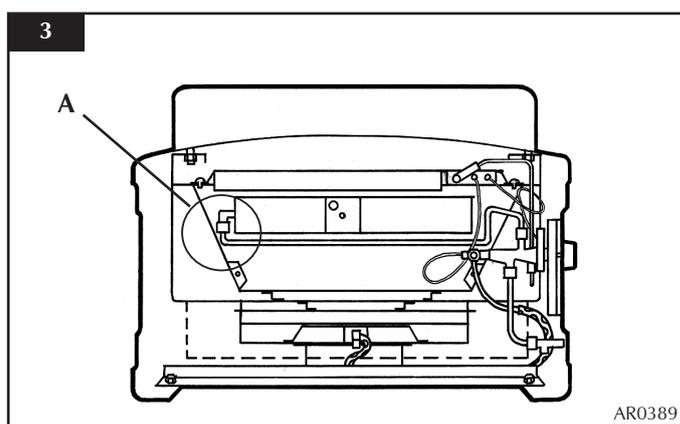
- 2.1 Turn the gas supply off at the isolation device. Ensure the unit is cool.
- 2.2 Use cover material to front of appliance to protect paintwork etc.
- 2.3 Remove the door and place to one side. (4 nuts).
- 2.4 Carefully remove the ceramic fuel components to a safe place.
- 2.5 Remove front cover-plate (2 x screws).
- 2.6 Remove cover plate fixing bracket (2 x wing nuts) (small stoves only).
- 2.7 Unscrew pilot union nut on gas valve (see Diagram 1).



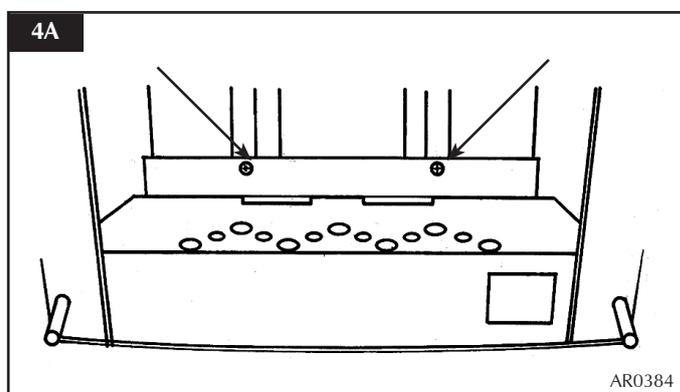
- 2.8 Disconnect thermocouple from gas valve (see Diagram 2). Remove ignition lead from electrode (cut cable tie to ignition lead if required).



- 2.9 Loosen main injector nut on airbox and disconnect from injector (see Diagram 3, arrow A).

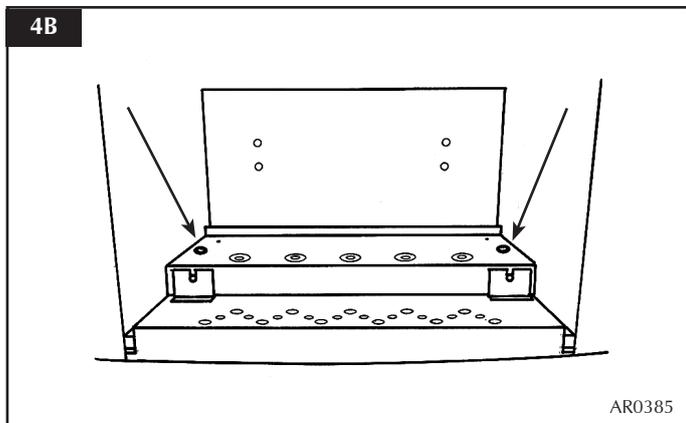


- 2.10 Remove the 2 screws attaching burner to back of unit (see Diagrams 4A & 4B). Carefully withdraw burner unit upwards and tilt to remove the burner through door opening. Remove the 2 x screws holding the heat shield in place.



# SERVICING INSTRUCTIONS

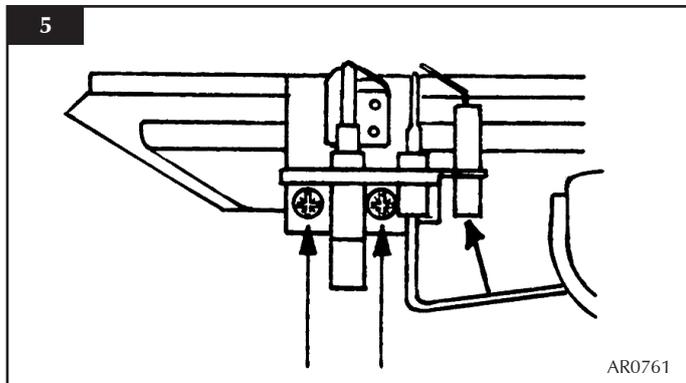
## REPLACING PARTS



2.11 Replace in reverse order checking all joints for leaks.

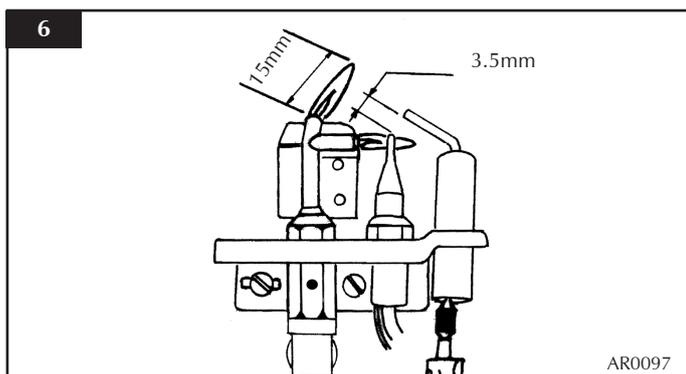
### 3. PILOT UNIT

3.1 Remove the burner module as described in Servicing Section 2 above. Carefully cut the cable ties holding the thermocouple to the pilot pipe. Remove the HT lead from the electrode, undo the two retaining screws and remove the pilot (see Diagram 5).



3.2 When replacing the pilot ensure the thermocouple follows its original route, i.e. along the pilot pipe. Attach the thermocouple to the pipe with new cable ties.

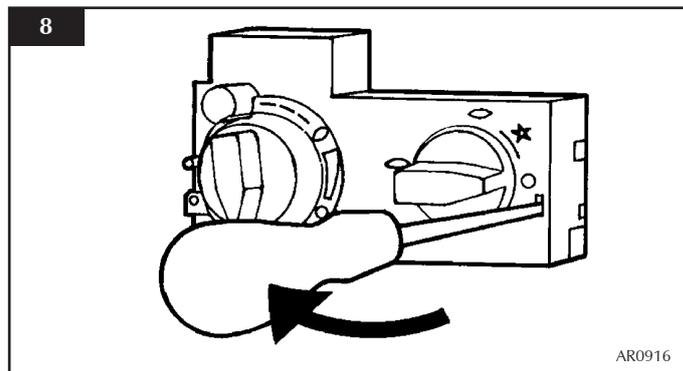
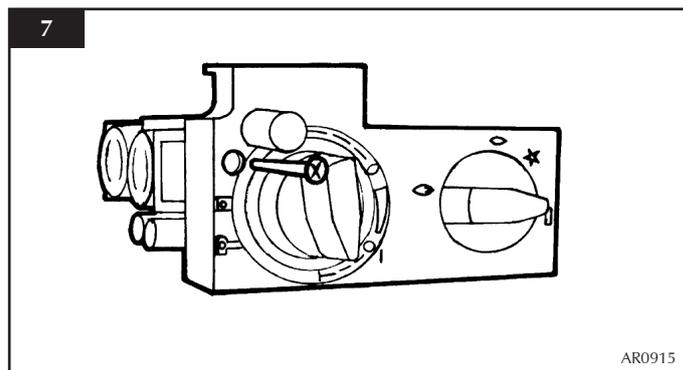
3.3 Set the spark gap (see Diagram 6).



### 4. IGNITION LEAD AND PIEZO

4.1 Gain access to the back of the pilot assembly (see Section 2) and disconnect the ignition lead from the electrode.

4.2 Remove the front cover from the control valve (see Diagrams 7 and 8). Disconnect the other end of the ignition lead from the valve body. Note the existing route of the ignition lead.



4.3 Replace with a new ignition lead following the same route as the old one. Replace the valve cover and the pilot assembly.

4.4 Check operation of the new ignition lead.

### 5. PIEZO

5.1 The piezo assembly used on this appliance is not serviceable and is unlikely to fail.

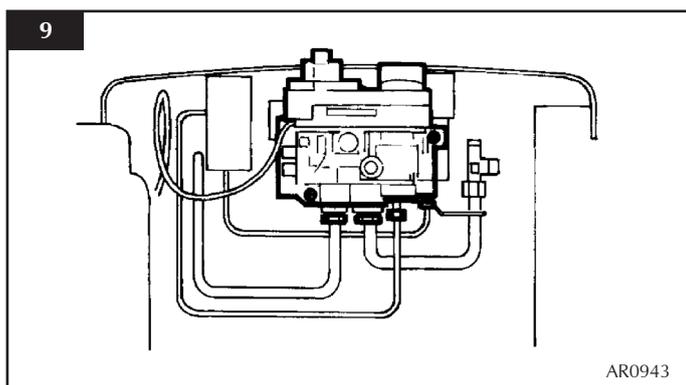
5.2 If a new piezo is required it will be necessary to change the gas valve. Refer to Section 6.

# SERVICING INSTRUCTIONS

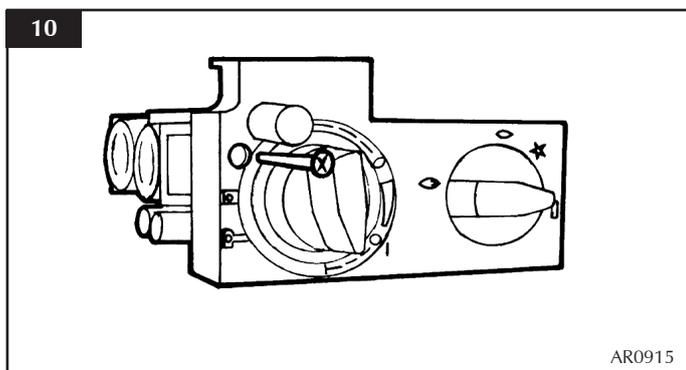
## REPLACING PARTS

### 6. GAS VALVE

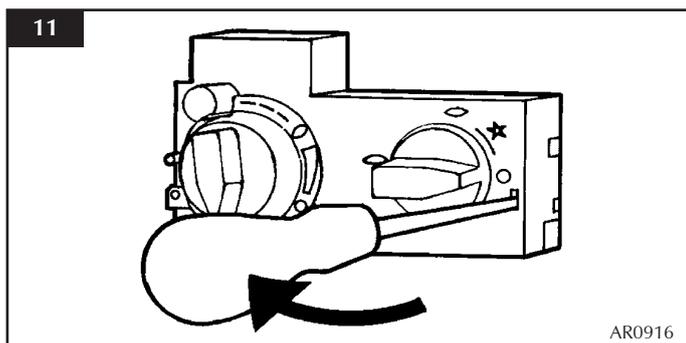
- 6.1 Turn the gas supply off at the isolation device.
- 6.2 Disconnect the 2 x 8mm and 1 x 4mm gas pipe fittings at the back of the gas valve and also disconnect the thermocouple (see Diagram 9).



- 6.3 Undo the single screw that secures the left-hand side of the control cover (see Diagram 10).



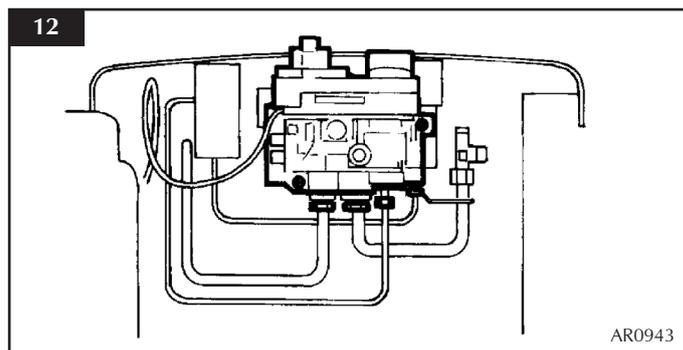
- 6.4 To release the right-hand side of the control cover, insert the narrow blade screwdriver into the slot shown in Diagram 11. Lever it gently and pull from the right-hand side at the same time. The cover will now come off. There is a small cylindrical metal spacer inside the cover. This must be kept and replaced on the fixing screw during re-assembly.



- 6.5 Disconnect the ignition lead from the gas valve.
- 6.6 Undo the two bolts securing the gas valve to the appliance and remove the valve.
- 6.7 Replace in reverse order.
- 6.8 Check all joints for gas leaks. Check operation of the thermocouple and ignition lead.

### 7. MAGNETIC SAFETY VALVE

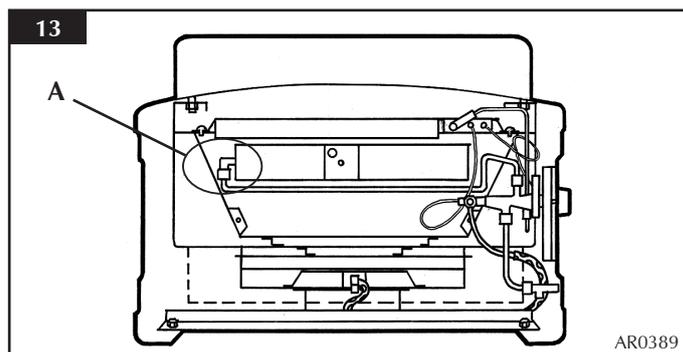
- 7.1 Turn the gas supply off at the isolation device. Undo the thermocouple connection from the back of the gas valve. Pull the sensor leads clear and remove the interrupter block.
- 7.2 Undo the magnetic valve-retaining nut from the back of the control valve. Gently tap out the magnetic valve and replace with a new unit. Replace the retaining nut and tighten (see Diagram 12).



- 7.3 Reassemble the interrupter block and leads. Secure the thermocouple connection in the rear of the gas control (do not over tighten). Turn the gas supply on and check the entire pipework and valve joints for any leaks.

### 8. MAIN INJECTOR

- 8.1 Turn the gas supply off at the isolation device. Locate the main injector on the left hand side of the airbox, undo the compression nut and pull the pipe clear of the injector body (see Diagram 13, arrow A).



# SERVICING INSTRUCTIONS

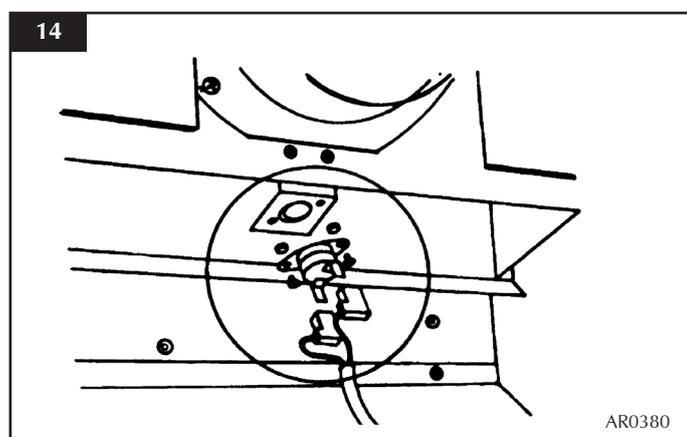
## REPLACING PARTS

- 8.2 Rotate the injector until it is fully removed, and install the correct replacement injector. Reassemble and turn the gas supply on, check for leaks.

### 9. GAZCO FLUE SURE SYSTEM

If the appliance has been installed in a restrictive location, it may be necessary to remove the appliance from its location.

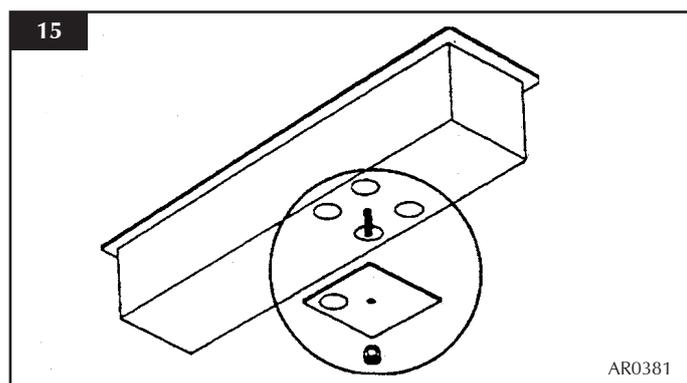
- 9.1 Locate the sensor in the draught diverter opening, and gently pull the two wires off the terminals. Undo the two tapite screws and remove the sensor and the two plastic spacers (see Diagram 14).



- 9.2 Refit a new sensor ensuring the spacers are located between the sensor and the bracket. Replace the two leads.
- 9.3 If it has been necessary to remove the appliance, ensure that all disturbed gas joints are checked for gas soundness when reinstalled, and repeat the flue clearance test as detailed in the Commissioning Section.

### 10. PRIMARY AERATION PLATE

- 10.1 Turn the gas supply off at the isolation device.
- 10.2 Locate the aeration plate on the underside of the airbox and remove the Nyloc nut (see Diagram 15).



- 10.3 Remove the plate and replace with the correct size, ensure that the hole(s) in the plate align correctly with the holes in the underside of the airbox and replace the Nyloc nut.

### 11. CHANGING BETWEEN GAS TYPES

- 11.1 In order to change between gas types, it will be necessary to change the following items:

- Pilot Unit
- Control Valve
- Main Injector
- Aeration Plate (if required)
- Databadge

The relevant parts can be ordered as a conventional kit from Gazco. Always quote the appliance type and serial number when ordering spare parts.

**\*\*NOTE: THE CONTROL VALVE IS FACTORY PRESET FOR CORRECT GAS TYPE AND MODEL. A NEW UNIT WILL NEED TO BE ORDERED WHEN CHANGING BETWEEN GAS TYPES.**

### 12. CONTROL UPGRADE

See Installation, Section 1.

# SERVICING INSTRUCTIONS

## REPLACING PARTS

### 13. SHORT SPARES LIST

Components	Small Stove		Medium Stove		Large Stove	
	NG	LPG	NG	LPG	NG	LPG
Pilot Unit	PI0036	PI0037	PI0036	PI0037	PI0036	PI0037
Injector	IN0001	IN0003	IN0045	IN0006	IN0046	IN0044
Aeration Plate	ME1094	ME1071	ME1096	ME0834	ME1071	ME1095
Gas Valve	GC0088K*		GC0088K*		GC0088K*	
Flue Sensor	EL0001		EL0001		EL0063	
Sensor Lead x 2	EL0064		EL0064		EL0064	
Interrupter	GC0026		GC0026		GC0026	
Mag Unit	GC0092		GC0092		GC0092	
Ignition Lead	GC0090		GC0090		GC0090	
Rear Panel	CE0135		-		-	
Flame Baffle	CE0118		CE0120		CE0121	
Front Coal	CE0122		CE0124		CE0125/6	
Coal Set	CE0127		CE0136		CE0137	
Burner Skin	CE0114		CE0116		CE0117	
Upgrade Kit Standard			8455			
Upgrade Kit Thermostatic			8456			

\*Set for Appliance

# SERVICE RECORDS

## 1ST SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 3RD SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 5TH SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 7TH SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 9TH SERVICE

Date of Service:.....  
Next Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 2ND SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 4TH SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 6TH SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 8TH SERVICE

Date of Service:.....  
Next Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 10TH SERVICE

Date of Service:.....  
Next Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

**Gazco Limited, Osprey Road, Sowton Industrial Estate, Exeter, Devon, England EX2 7JG**  
**Tel: (01392) 261999 Fax: (01392) 444148 E-mail: [info@gazco.com](mailto:info@gazco.com)**

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