



Huntingdon 30 Coal Effect Stove 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:

	Huntingdon 30	
	NG	LPG
Black	8503CFMCUC	P8503CFMCUC
Midnight Blue	8503CFMCUCMB	P8503CFMCUCMB
Laurel Green	8503CFMCUCLG	P8503CFMCUCLG
Ivory	8503CFMCUCIV	P8503CFMCUCIV
Ivory Paint	515-013	515-494

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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		
2. Standing pressure test	mb	
3. Appliance working pressure (on High Setting) NB All other gas appliances must be operating on full	mb	
4. Gas rate	m ³ /h	
5. Does ventilation meet appliance requirements		
6. Have controls been upgraded (Upgradeable models only)	8455 Standard YES	NO
	8456 Programmable Thermostatic and Timer YES	NO

DEALER AND INSTALLER INFORMATION

Dealer

Gas Type

Installation Company

Contact No.....

Engineer

Date of Purchase.....

Contact No.....

Model No.....

Corgi Reg No.....

Serial 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 Corgi 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.

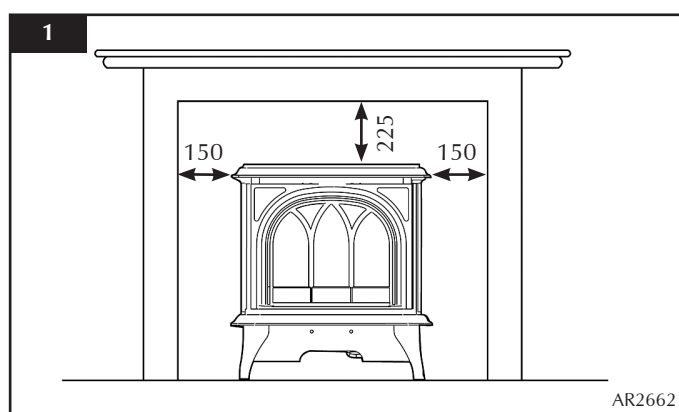
The gas supply must not be used until remedial action has been taken to correct the defect and the installation has been recommissioned by a competent person.

- 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 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.

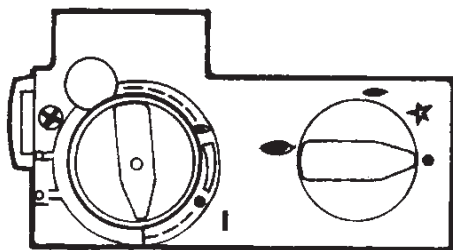
IMPORTANT : NEVER position an LCD/Plasma TV above this fire.

2. LIGHTING THE APPLIANCE

- 2.1 Locate the control valve on the appliance. There are two control knobs on the valve, the right-hand knob controls the pilot ignition and the left-hand knob 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 will work for either situation.

USER INSTRUCTIONS

2



AR0914

- 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 rotate it anticlockwise until a click is heard (keep pressing in) and the knob is pointing to pilot (☛). The pilot should now light. If the pilot has not lit, 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 procedure until it does.
- 2.7 If the pilot will not light after repeated attempts, contact the retailer or installer from whom the appliance was purchased.
- 2.8 Turn the right-hand control knob 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 will light on low. The burner can now be controlled between low and high settings. Turn the control knob anti-clockwise to increase the flame height and clockwise to decrease the flame height.

THE YELLOW FLAMES WILL APPEAR WHEN THE APPLIANCE HAS GAINED SUFFICIENT HEAT - TYPICALLY 10 TO 20 MINUTES.

IF THE APPLIANCE IS EXTINGUISHED OR GOES OUT IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT THE APPLIANCE.

3. TURNING OFF THE APPLIANCE

- 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 will go 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 will go 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 logs and embers 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.

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

WHEN THE EMBERS ARE PLACED ON THE BURNER IT IS IMPORTANT THEY DO NOT COVER ANY PORTS!

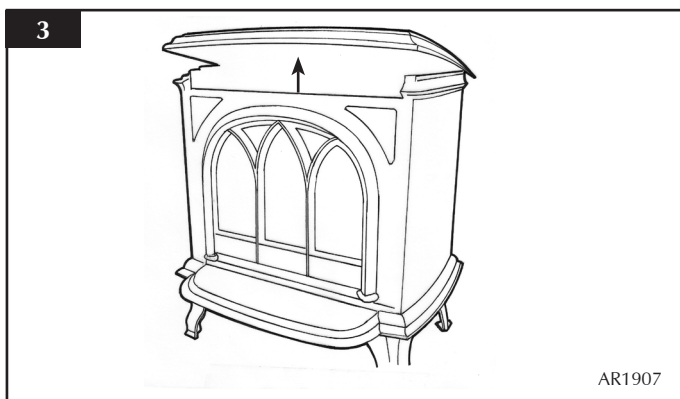
USER INSTRUCTIONS

6. CLEANING THE APPLIANCE

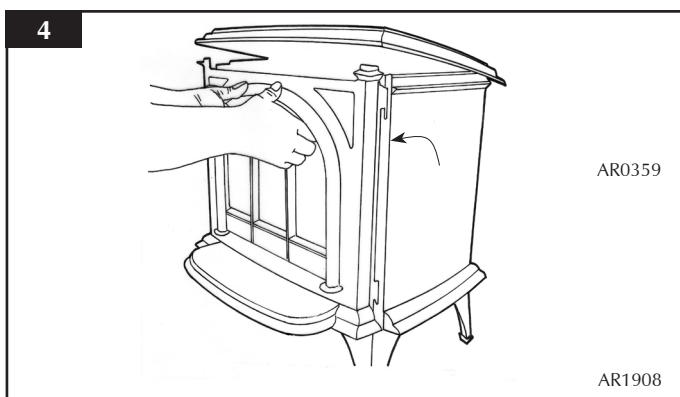
- 6.1 **Allow the appliance to cool thoroughly to avoid risk of burns.**

REMOVING THE DOOR

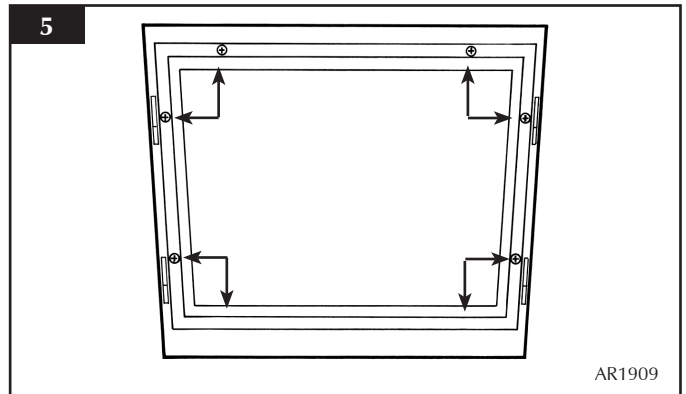
- 6.2 To remove the door on the rear exit applications:
Lift the top of the appliance off and put to one side.
- 6.3 For top exit:
Lift and support the top to give clearance (see Diagram 3).



- 6.4 Lift the front upwards until it is clear of the slots.
- 6.5 Pull towards you away from the appliance (see Diagram 4).



- 6.6 Remove the glass frame by undoing the frame fixing screws and lifting clear (see Diagram 5).



- 6.7 The ceramic logs and embers should not need cleaning. Do not use a vacuum cleaner or brush to clean the logs.
- 6.8 Lift out the log retainer bar (see Diagram 8).
- 6.9 Remove all the ceramic logs and embers from inside the appliance. The embers are lightweight black flakes.
- 6.10 Remove any large pieces of debris by hand.
- 6.11 Remove any debris from the burner ports.
- 6.12 Replace the logs and embers as set out in Section 6.
- 6.13 Use a damp cloth to clean the outer casing of the appliance.

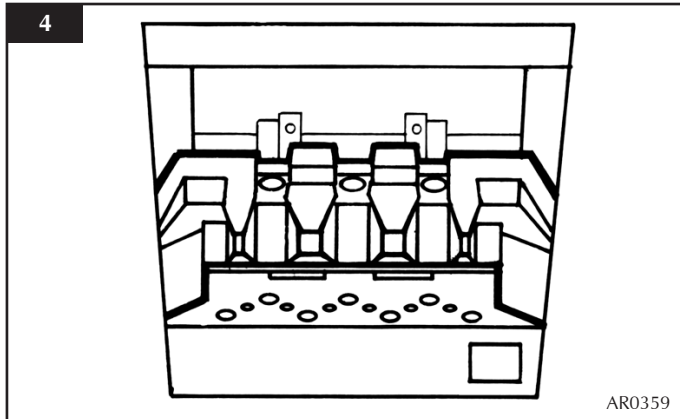
7. CLEANING IVORY PAINTED APPLIANCES

- 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.

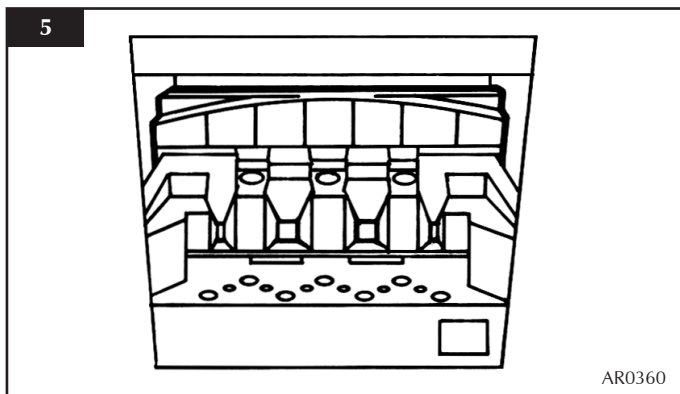
USER INSTRUCTIONS

8. FUEL BED ARRANGEMENT

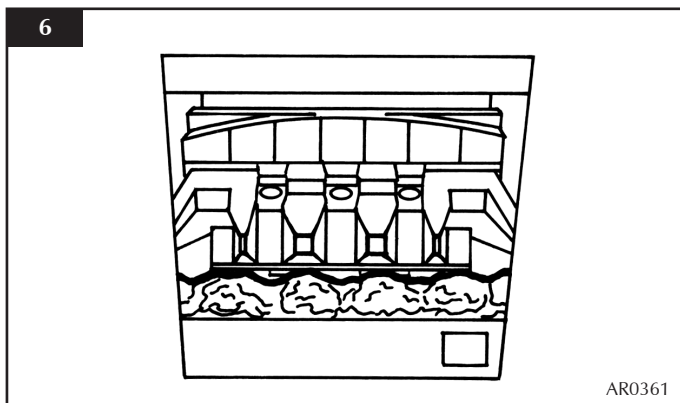
- 8.1 Place the flame baffle onto the burner and push up against the rear tray lip (see Diagram 4).



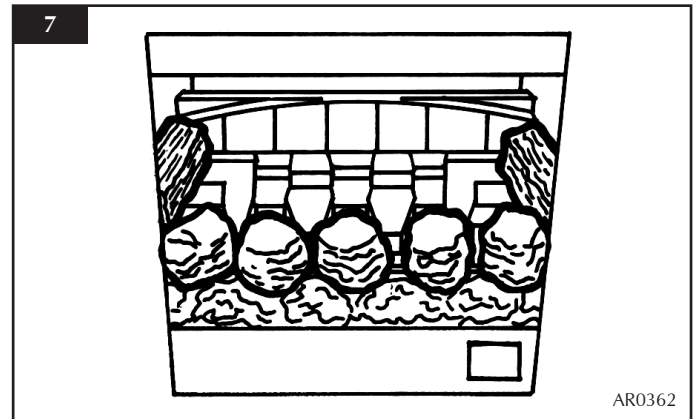
- 8.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle (see Diagram 5).



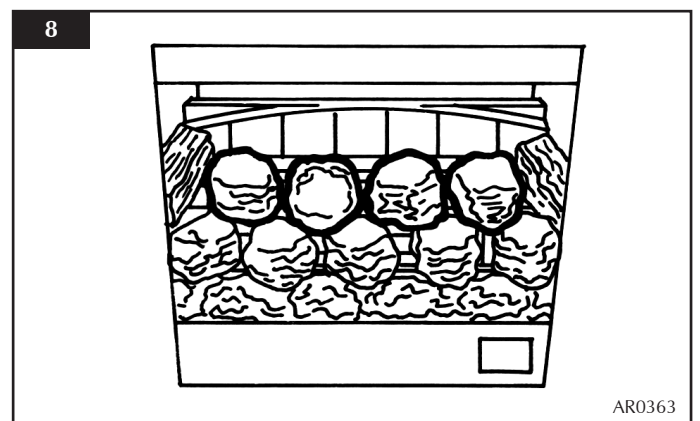
- 8.3 Locate the front coal between the heat shield and flame baffle so that its ends sit flat against the burner skin (see Diagram 6).



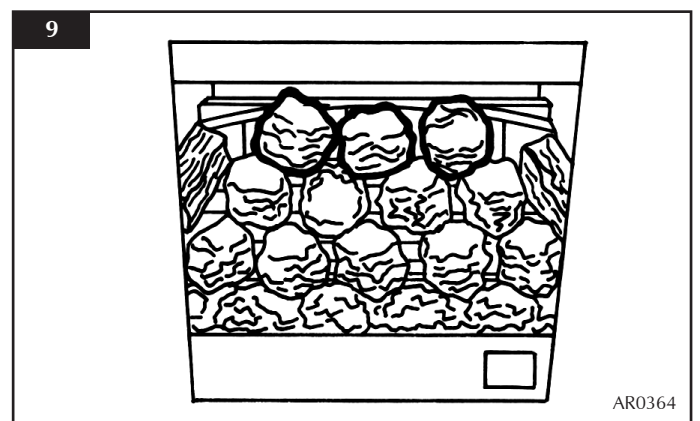
- 8.4 Place five of the loose round coals on the front coal so that they lean against the flame baffle, in between the fingers. Place the two rectangular coals behind the round coals, one at each side (see Diagram 7).



- 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).

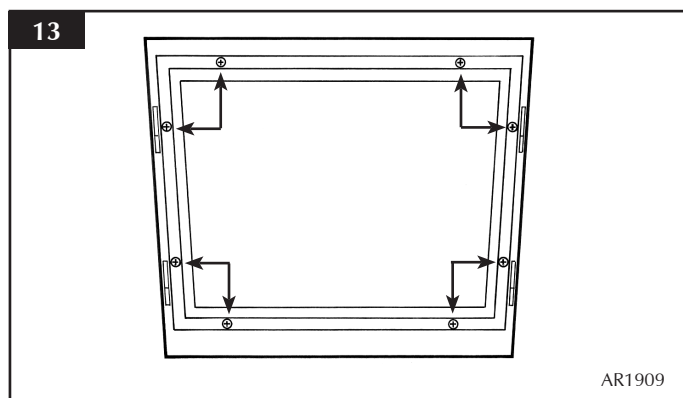


USER INSTRUCTIONS

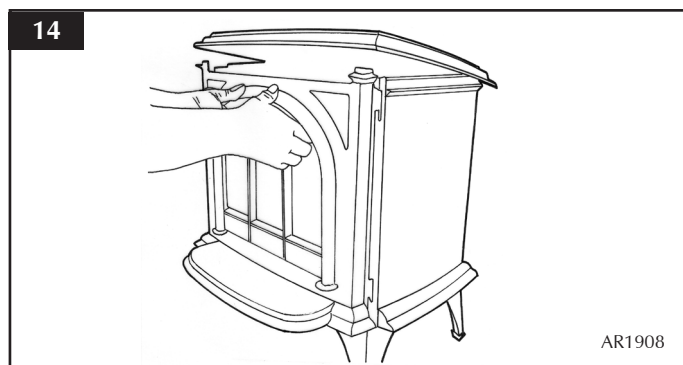
9. REPLACING THE DOOR

- 9.1 Ensure the rope seal on the rear of the glass frame is intact. If broken or worn, contact your Gazco retailer for a replacement.
- 9.2 Use a ceramic glass product generally sold for cleaning ceramic hobs to clean the glass front.
- 9.3 Refit glass frame and tighten screws evenly.

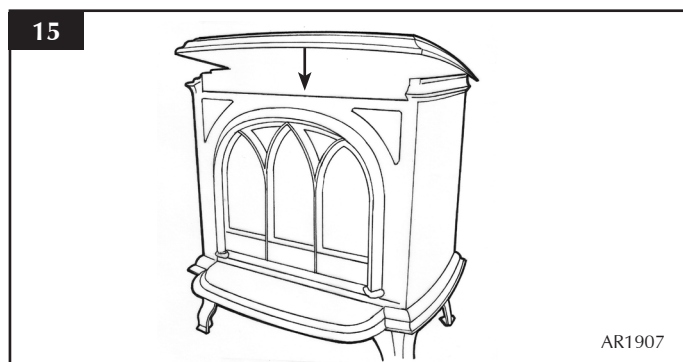
NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED OR THE GLASS IS BROKEN.



- 9.4 With the top still supported or removed refit front by locating in grooves and lowering into place.



- 9.5 Replace top.



10. GAZCO FLUE SURE SYSTEM

- 10.1 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.**

11. THE FLAME FAILURE DEVICE

- 11.1 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.

12. 'RUNNING IN'

- 12.1 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.

13. SERVICING

- 13.1 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.

14. VENTILATION

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

15. INSTALLATION DETAILS

- 15.1 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.

16. HOT SURFACES

- 16.1 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 SPECIFICATION

COVERING THE FOLLOWING MODELS:

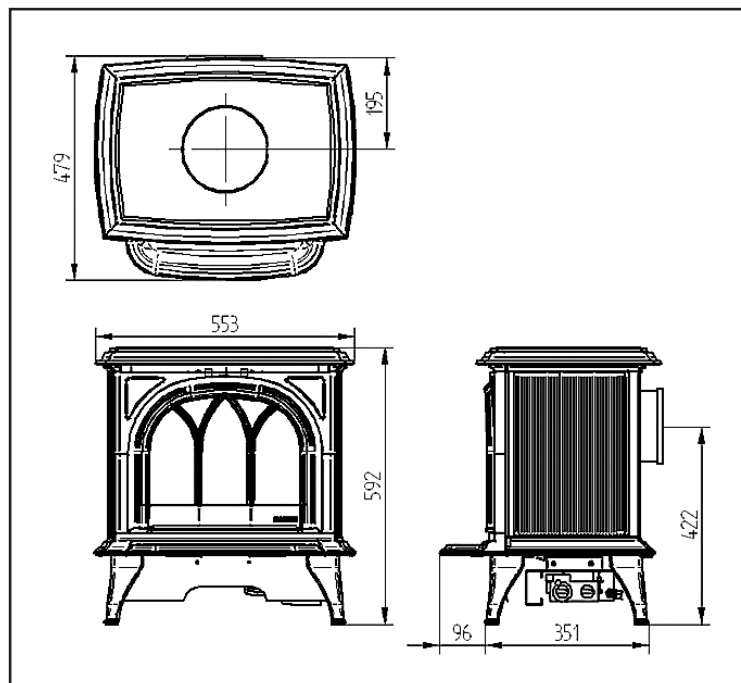
Huntingdon 30 NG	8503CFMCUC	8503CFMCUCMB	8503CFMCUCLG	8503CFMCUCIV	515-013
Huntingdon 30 LPG	P8503CFMCUC	P8503CFMCUCMB	P8503CFMCUCLG	P8503CFMCUCIV	515-494

Model	Gas Cat.	Gas Type	Pressure	No _x	Aeration	Injector	Gas Rate M ³ /H	Input Kw (Gross)		Country
								High	Low	
8503CFMCUC (all versions) 515-063	I _{2H}	Natural Gas G20	20mbar	5	1 x 7.5mm	260	0.435	4.6	2.5	UK, IE
P8503CFMCUC (all versions) 515-451	I _{3P}	Propane G31	37mbar	5	1 x 13.5mm	110	0.170	4.4	2.3	UK, IE
Efficiency Class II Flue Outlet Size 127mm (5") ø Gas Inlet Connection Size ø 8mm										
Minimum flue specification		T260 / N2 / O / D / 1								
Maximum flue temperature		180°C								

Packing Checklist

Qty Description

- 1 Stove
- 1 Flue infill plate
- 1 Front coal
- 1 Flame baffle
- 1 Coal set
- 1 Rear ceramic
- 1 Fixing kit containing
- 1 Instruction manual



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 in diameter. (5").
- 1.2 The minimum flue height for the appliance must be 3 metres (10ft). Any horizontal flue run from the rear outlet must not exceed 100mm from the back of the appliance.
- 1.3 The chimney or flue must be free from any obstruction. Any damper plates must be removed or secured in the fully open position, and no restrictor plates fitted.
- 1.4 The chimney must be swept prior to the installation, but it need not be swept if it can be seen the chimney is clean and unobstructed throughout its entire length.
- 1.5 A5" (127mm) liner must be used if fitting the stove into an existing brick built chimney. Larger lined flues can work, but in some instances could cause cold start flue problems resulting in nuisance shutdown. Lined flues above 7" (175mm) are not recommended.
- 1.6 Due to recent changes to European chimney standards, new flues and chimneys are 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*. Existing chimneys are not covered by this system.

2. VENTILATION

- 2.1 Consult the rules in force.

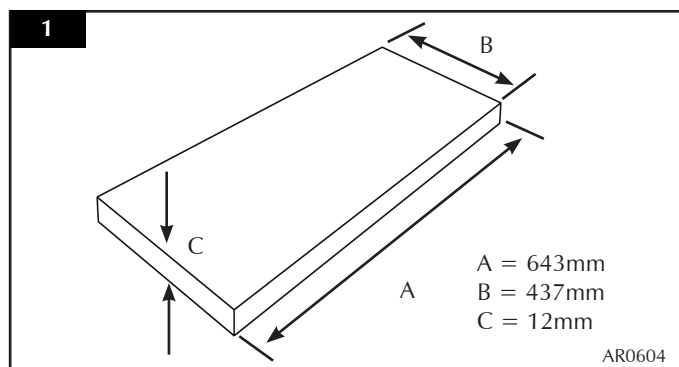
NOTE: This appliance does not normally require any additional ventilation when installed in GB.

3. INSTALLATION OF THE GAS SUPPLY

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

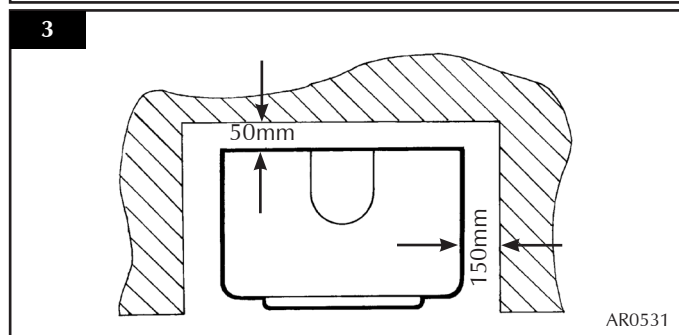
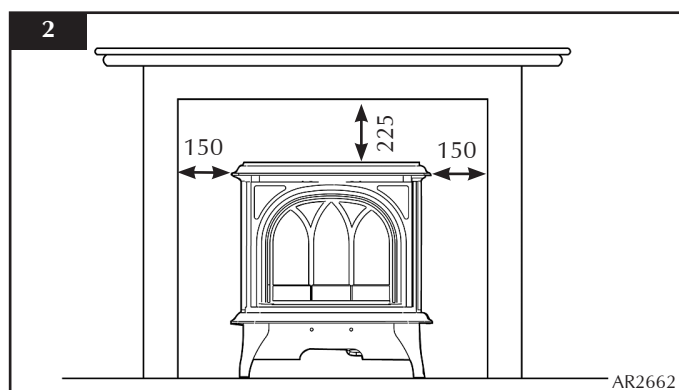


- 4.2 Do not install in a room that contains a bath or shower.

MINIMUM CLEARANCE

- 4.3 The fire is not suitable for installation against a combustible wall. All combustible materials must be removed from behind the fire.
- 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.**



The above dimensions provide adequate clearance at the side and rear of the fire so that the controls can be reached.

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 DATABADGE AND TECHNICAL SPECIFICATIONS AT THE FRONT OF THIS BOOKLET. FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SECTION 11, 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.

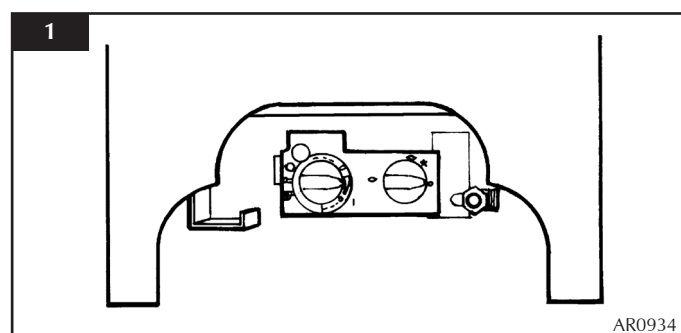
2. SAFETY PRECAUTIONS

- 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 stove. Allow adequate clearance above the stove. See Diagram 2, page 10.
- 2.7 The stove is fitted with the **Gazco Flue Sure System**, which cuts off the gas supply to the stove in the event of incorrect flue operation. If the system shuts off the gas supply, this indicates there is insufficient flue pull. If this happens, a minimum of 10 minutes must be allowed before trying to relight. If this safety device continually shuts off the gas it can suggest a serious problem. Contact Gazco.
- 2.8 Do not alter or tamper with the Flue Sure System. Use only genuine Gazco replacement parts when servicing the system. Refer to the Servicing Instructions, Replacing Parts.

3. INSTALLATION OF THE STOVE

- 3.1 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.



- 3.2 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.
 - 3.3 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.**
- 3.4 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.
 - 3.5 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 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.

INSTALLATION INSTRUCTIONS

INSTALLATION

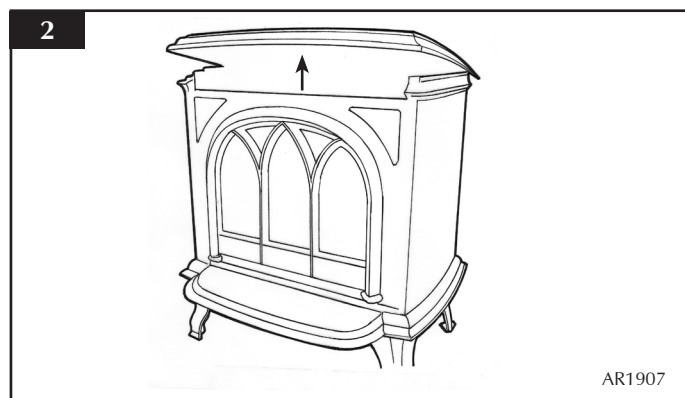
REMOVING THE DOOR

- 3.6 To remove the door on the rear exit applications:

Lift the top of the appliance off and put to one side.

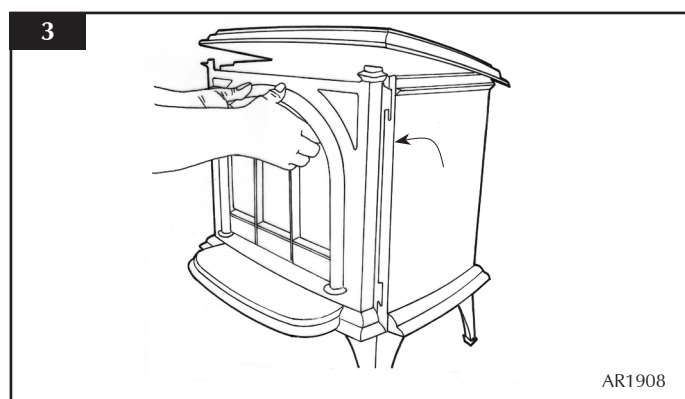
- 3.7 For top exit:

Lift and support the top to give clearance (see Diagram 2).

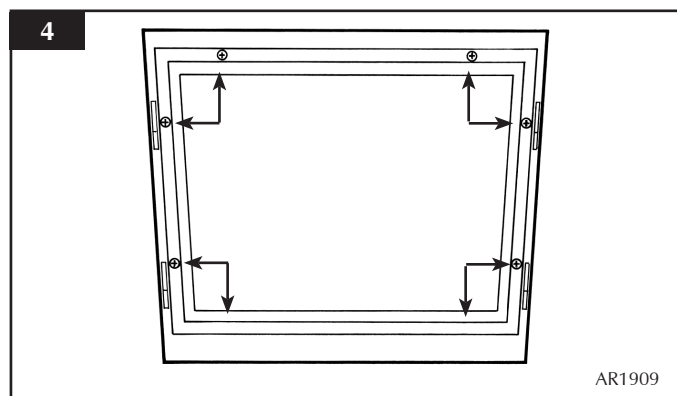


- 3.8 Lift the front upwards until it is clear of the slots.

- 3.9 Pull towards you away from the appliance (see Diagram 3).



- 3.10 Remove the glass frame by undoing the frame fixing screws and lifting clear (see Diagram 4).



4. ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS

The fuel effect logs and embers 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.

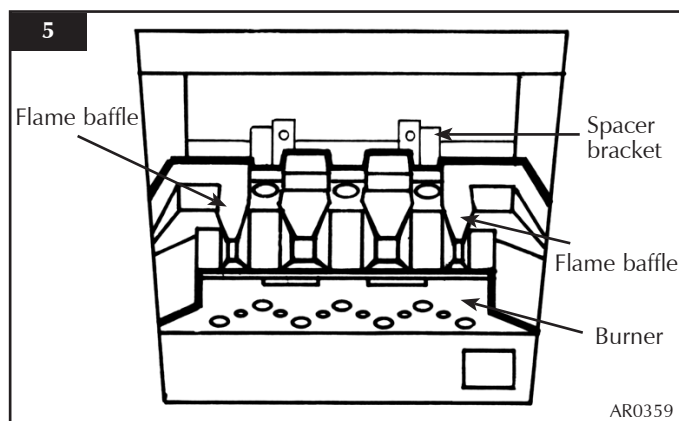
To ensure that the release of RCF fibres is kept to a minimum a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed into heavy duty polythene bags and labelled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

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

WHEN THE EMBERS ARE PLACED ON THE BURNER IT IS IMPORTANT THEY DO NOT COVER ANY PORTS!

5. FUEL BED ARRANGEMENT

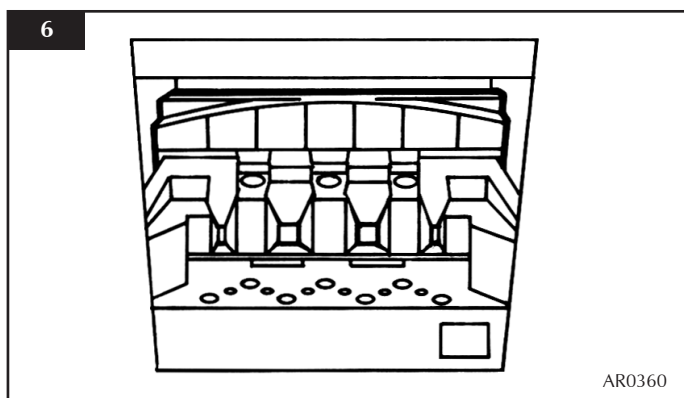
- 5.1 Place the flame baffle onto the burner and push up against the rear tray lip (see Diagram 5).



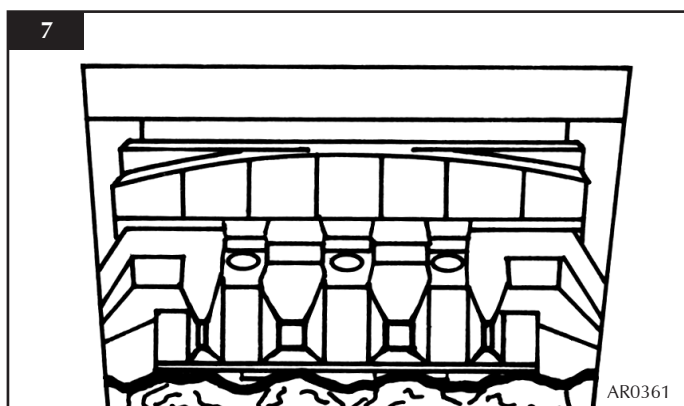
- 5.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle (see Diagram 6).

INSTALLATION INSTRUCTIONS

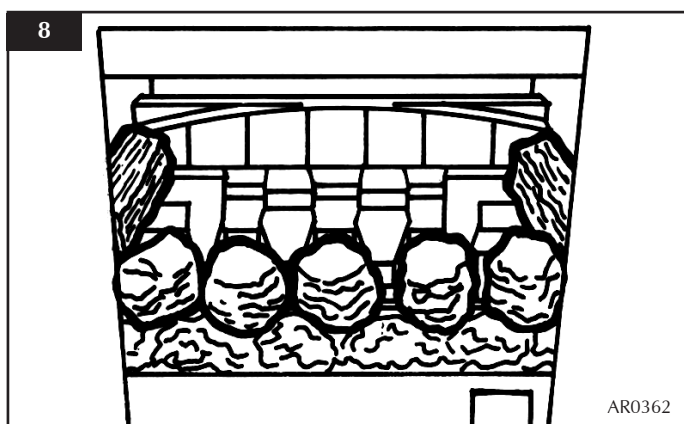
INSTALLATION



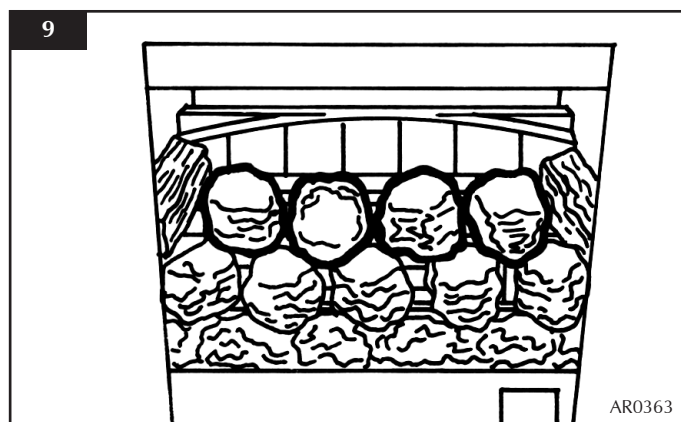
- 5.3 Locate the front coal between the heat shield and flame baffle so that its ends sit flat against the burner skin (see Diagram 7).



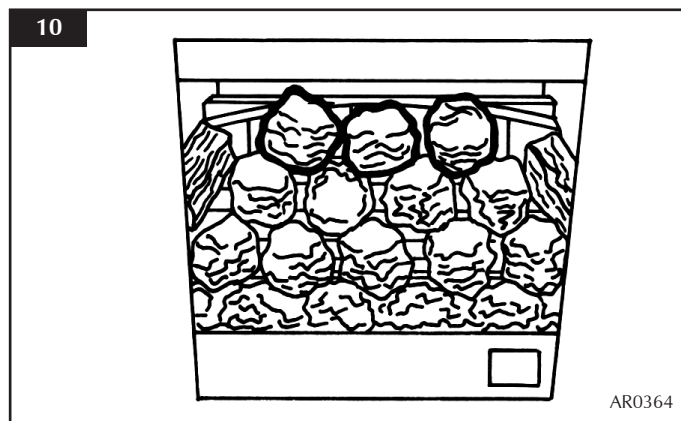
- 5.4 Place five of the loose round coals on the front coal so that they lean against the flame baffle, in between the fingers. Place the two rectangular coals behind the round coals, one at each side (see Diagram 8).



- 5.5 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 9).



- 5.6 Place the remaining three round coals behind the centre row so that they touch the back panel (see Diagram 10).



NEVER OPERATE THE APPLIANCE WHEN THE DOOR IS REMOVED.

6. LIGHTING THE APPLIANCE

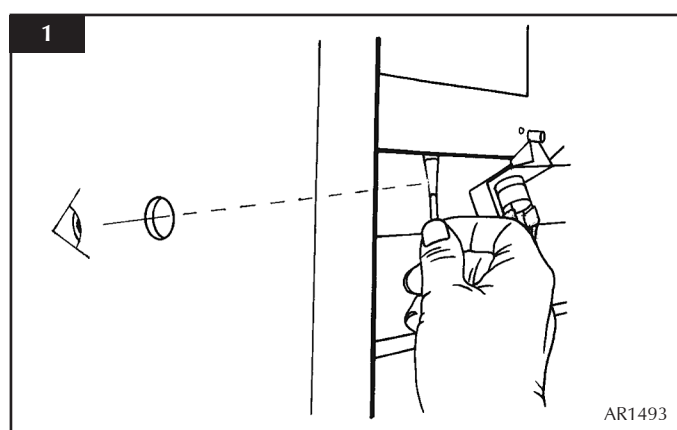
- 6.1 Full instructions are given in the User Instructions, Section 2.

INSTALLATION INSTRUCTIONS

COMMISSIONING

1. COMMISSIONING

- 1.1 Close all doors and windows in the room.
- 1.2 Ignite the stove and operate on maximum for 10 minutes.
- 1.3 Remove the plastic sight plug from the right hand side of the stove.
- 1.4 Position a lighted smoke match just inside the draught diverter opening.
- 1.5 Check all smoke is drawn into the opening by looking through the sight hole (see Diagram 1).



- 1.6 If there is any doubt, run the stove for a further 10 minutes, and repeat the test.
- 1.7 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.

- 1.8 For future reference record the installation details on the commissioning sheet at the start 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.

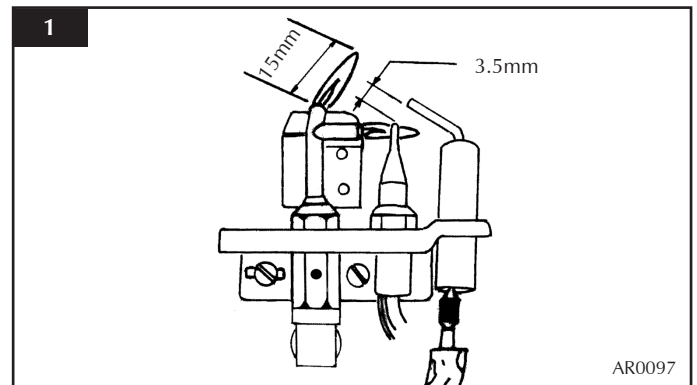
1.2 Special checks:

- 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.

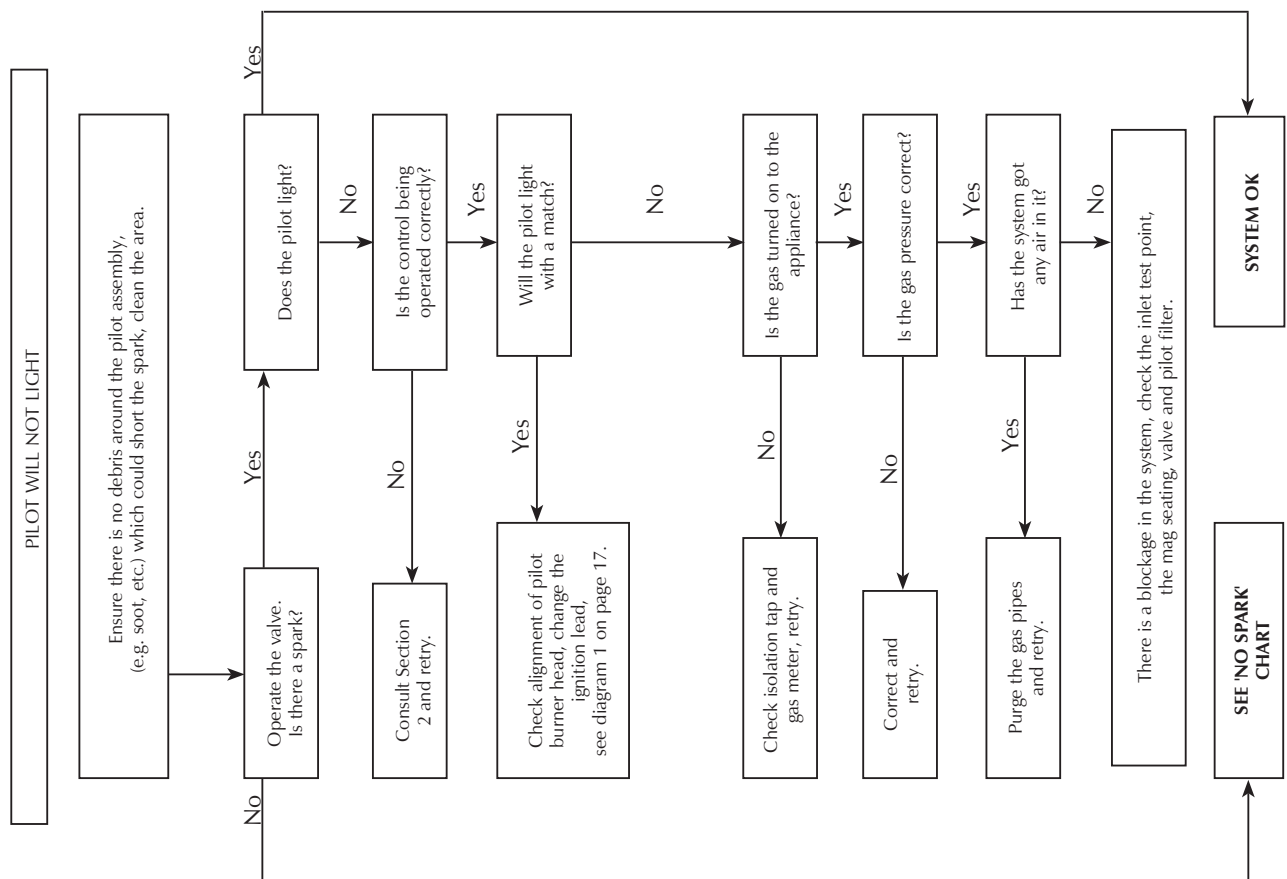
1.3 Correct any faults found during the initial test.

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

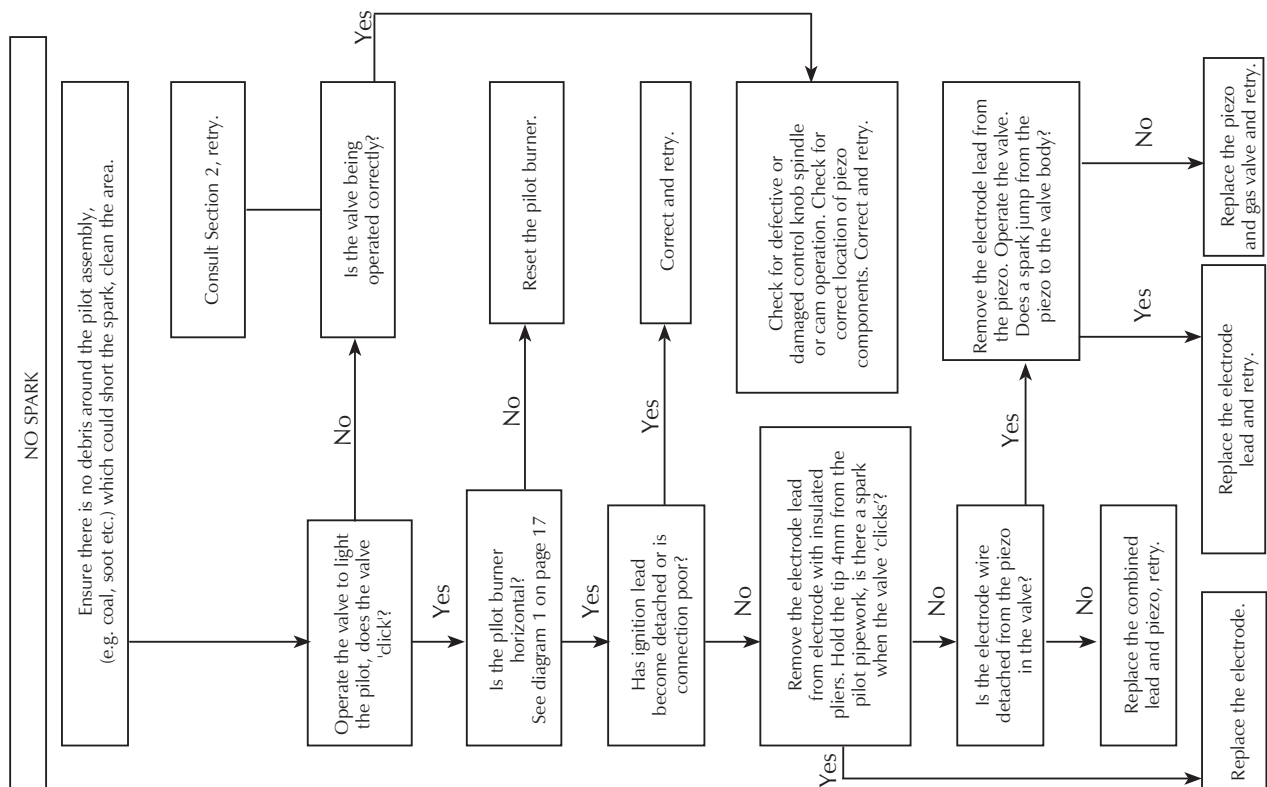
1.5 Advise the customer of any remedial work undertaken.



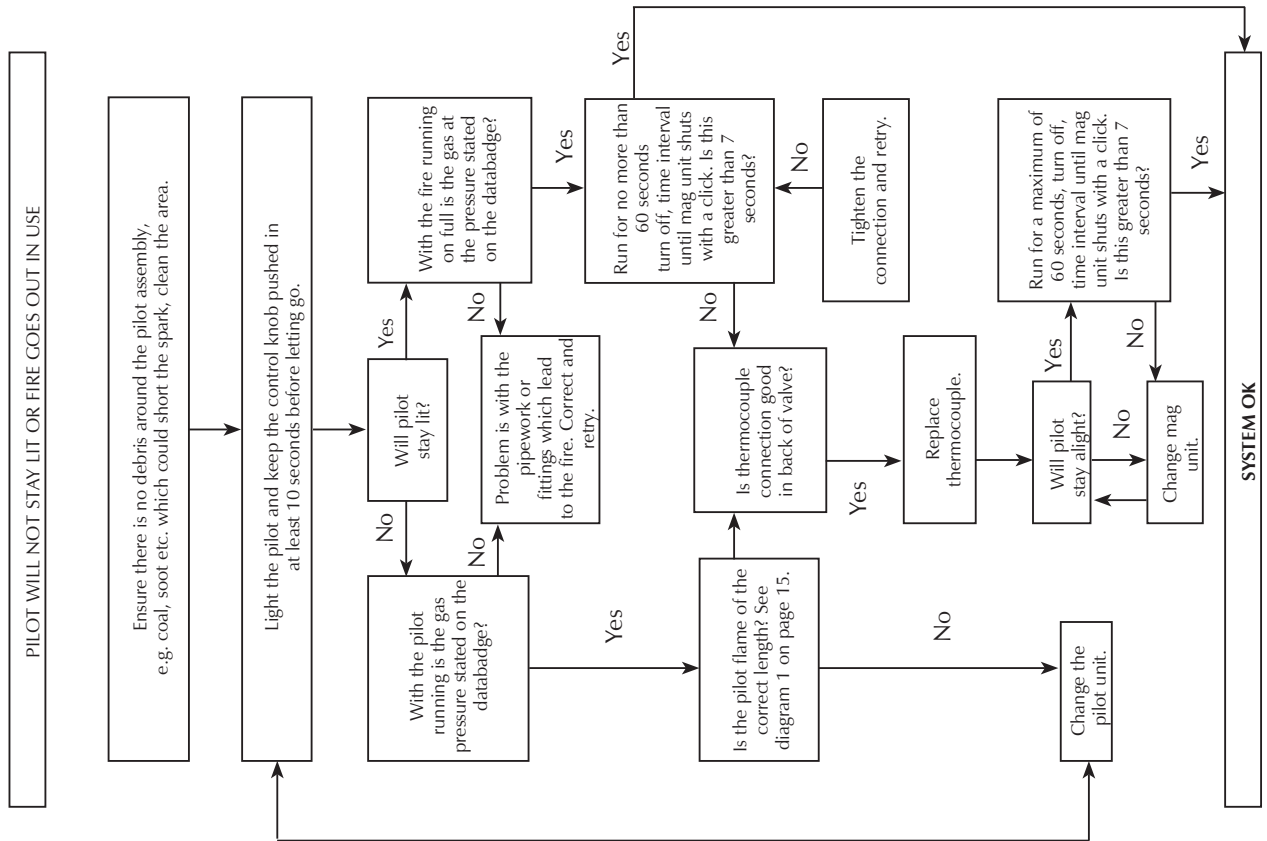
IGNITION FUNCTIONAL CHECK 1



IGNITION FUNCTIONAL CHECK 2



FLAME FAILURE FUNCTIONAL CHECK



SERVICING INSTRUCTIONS

REPLACING PARTS

1. GENERAL

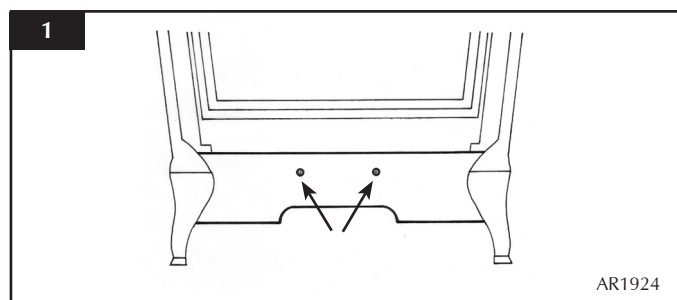
IMPORTANT: ALWAYS WEAR THE GLOVES PROVIDED WHEN HANDLING AN IVORY PAINTED APPLIANCE.

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

2. MAIN BURNER

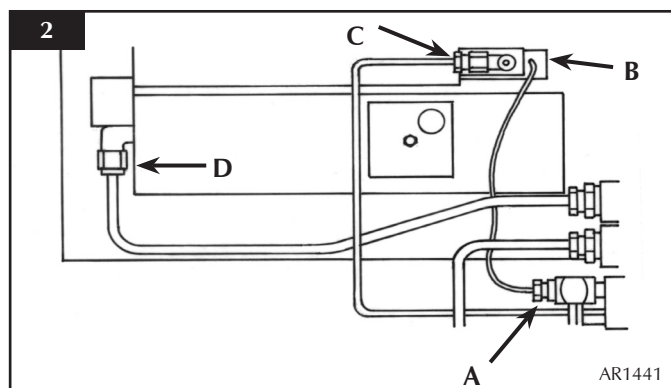
MAKE SURE THE APPLIANCE IS COLD BEFORE STARTING WORK ON IT!

- 2.1 Turn the gas supply off at the isolation device.
- 2.2 Remove the door and place to one side (refer to Installation, Removing the Door).
- 2.3 Remove the ceramic fuel bed components. For information on the handling and disposal of fire ceramics please refer to the User Instructions, Section 5.
- 2.4 Remove the cover plate from the bottom of the stove by undoing the mounting screws on the plate and place to one side (see Diagram 1).

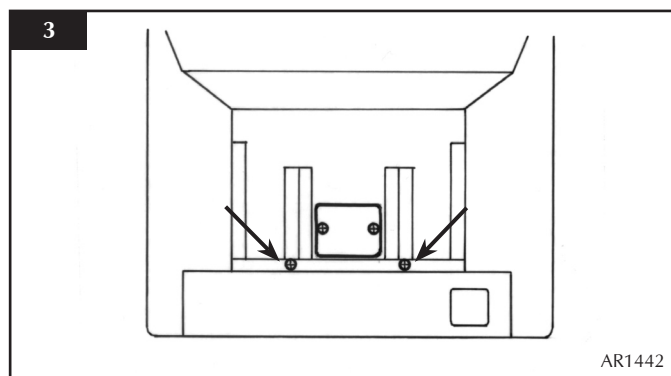


- 2.5 Referring to Diagram 2:

- Disconnect the thermocouple from the gas valve (A).
- Remove the ignition lead from the electrode (B).
- Cut the cable tie if required.
- Undo the compression nut (C) from the pilot unit and undo the compression nut on the injector (D).

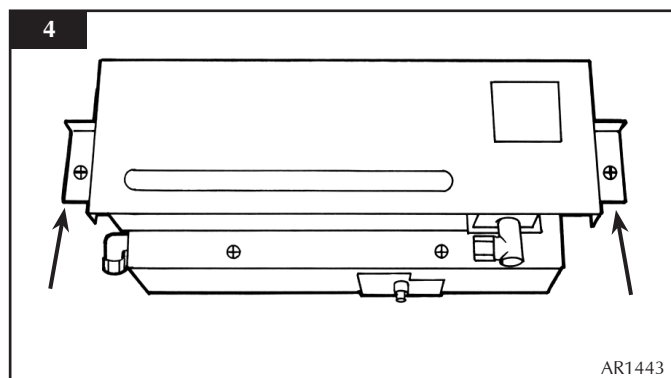


- 2.6 Remove the two screws at the back of the firebox and lift the burner unit clear (see Diagram 3).



3. PILOT UNIT

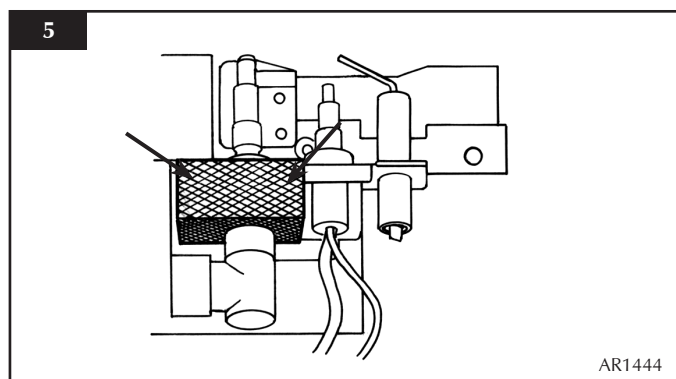
- 3.1 Follow the procedure for removing the main burner
- When the burner is out:
- 3.2 Remove the aeration cover by undoing the two screws shown in Diagram 4.



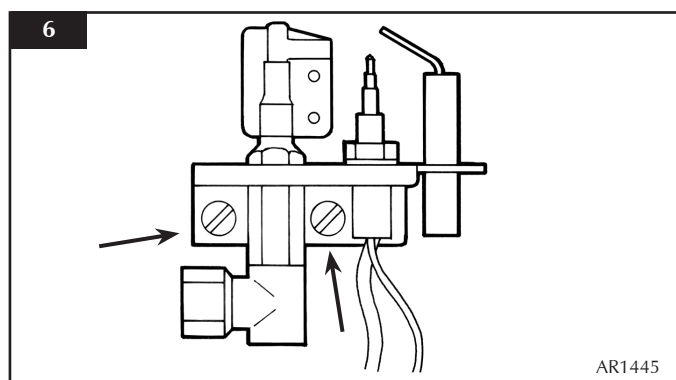
- 3.3 Remove the lint arrester by folding the tabs back (see Diagram 5).

SERVICING INSTRUCTIONS

REPLACING PARTS



- 3.4 The pilot unit can now be removed by undoing the two screws (see Diagram 6).

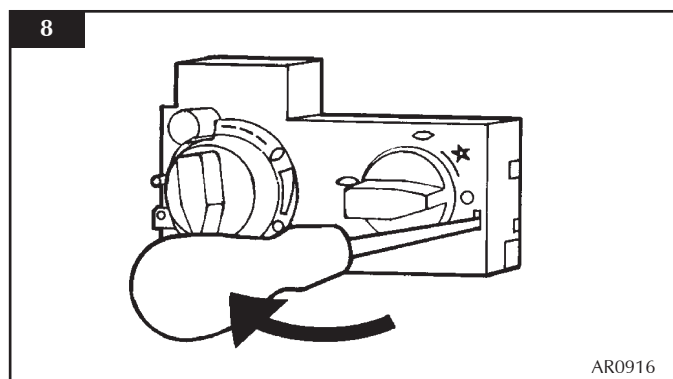
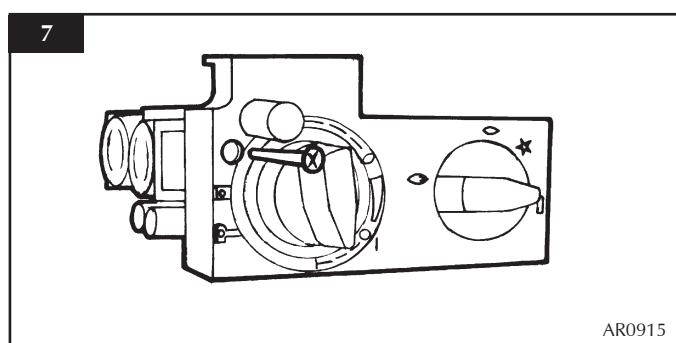


- 3.5 Reassemble in reverse order. Do not over tighten.

NOTE: TAKE CARE NOT TO DISCONNECT THE SENSOR WIRES OF THE GAZCO FLUE SURE SYSTEM ON REPLACING THE THERMOCOUPLE.

4. IGNITION LEAD

- 4.1 Follow the Pilot Unit instructions above to access the back of the pilot assembly.
- 4.2 Disconnect the ignition lead from the electrode.
- 4.3 Remove the front cover from the control valve (see Diagrams 7 & 8).



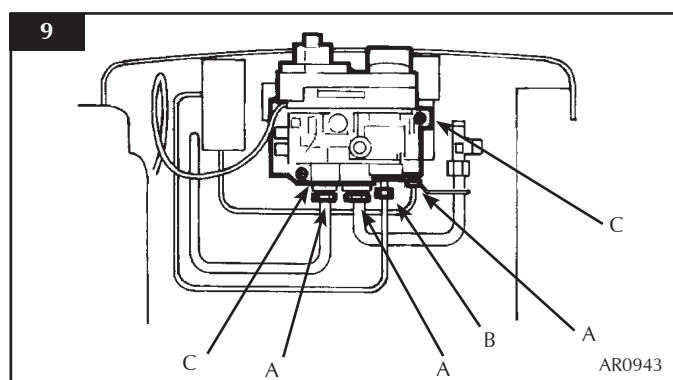
- 4.4 Disconnect the other end of the ignition lead from the valve body noting the route of the ignition lead.
- 4.5 Replace with a new ignition lead following the same route as the old one.
- 4.6 Replace the valve cover and the pilot assembly.
- 4.7 Check operation of the new ignition lead.

5. PIEZO

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

6. GAS VALVE

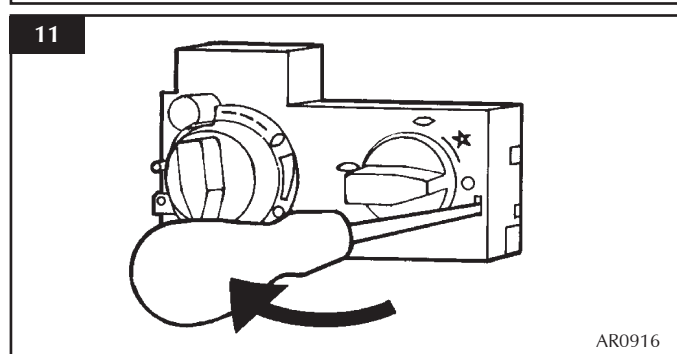
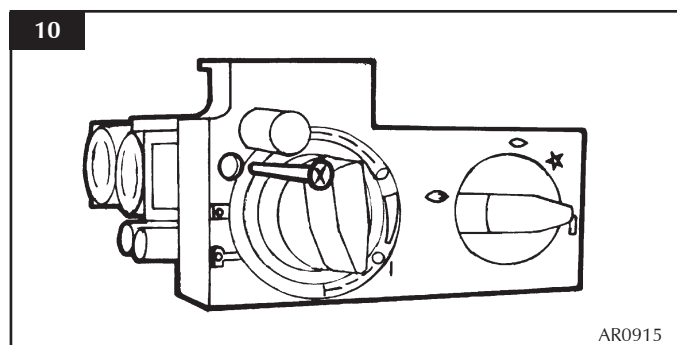
- 6.1 Turn the gas supply off at the isolation device, referring to Diagram 9.



- 6.2 Disconnect the 2 x 8mm and 1 x 4mm gas pipe fittings at the back of the gas valve (A).
- 6.3 Disconnect the thermocouple (B).
- 6.4 Remove the front cover from the control valve (see Diagrams 10 & 11).

SERVICING INSTRUCTIONS

REPLACING PARTS

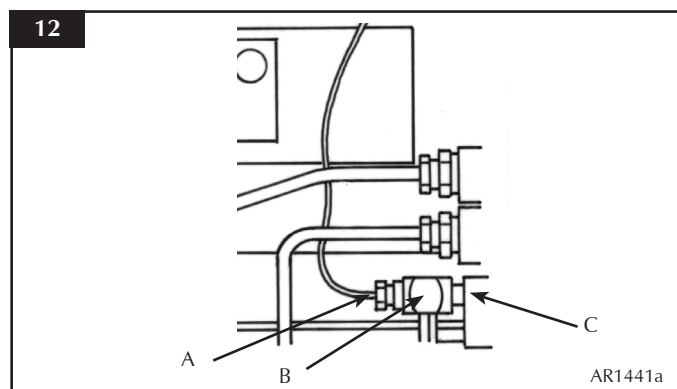


NOTE: There is a small cylindrical metal spacer inside the cover, this must be kept and replaced on the fixing screw during re-assembly.

- 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 (see Diagram 9, C).
- 6.7 Replace in reverse order.
- 6.8 Check all joints for gas leaks.
- 6.9 Check operation of the thermocouple and ignition lead.

7. MAGNETIC SAFETY VALVE

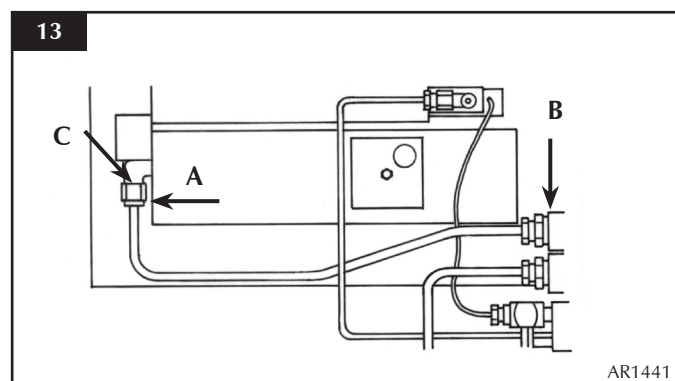
- 7.1 Turn the gas supply off at the isolation device referring to Diagram 12.



- 7.2 Undo the thermocouple connection from the back of the gas valve (A).
- 7.3 Pull the sensor leads clear and remove the interrupter block (B).
- 7.4 Undo the magnetic valve-retaining nut from the back of the control valve (C).
- 7.5 Gently tap out the magnetic valve and replace with a new unit.
- 7.6 Replace the retaining nut and tighten (see Diagram 12).
- 7.7 Reassemble the interrupter block and leads.
- 7.8 Secure the thermocouple connection in the rear of the gas control. Do not over tighten.
- 7.9 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.
- 8.2 Ensure the appliance is cold before commencing work on it.
- 8.3 Referring to Diagram 13:



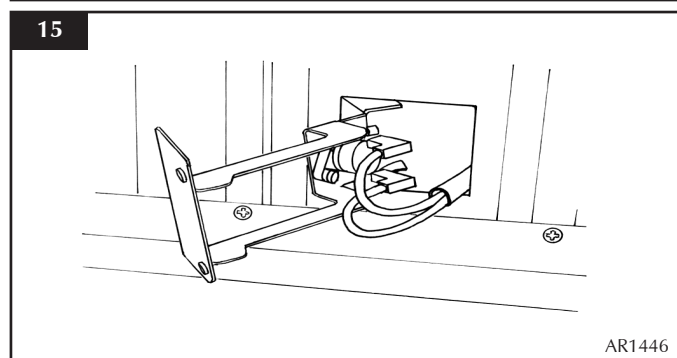
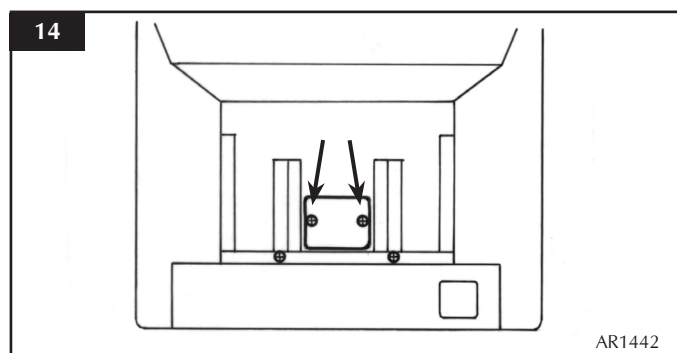
- Undo the compression nut from the injector (A).
 - Loosen the compression nut (B) in the gas valve body. The pipe can now be positioned out of the way.
 - Screw the injector (C) out of the burner unit.
- 8.4 Reassemble in reverse order. The injector must **NOT** be tightened into the burner but be allowed to float to enable it to line up with the pipe.
 - 8.5 Turn on the gas supply and check for leaks.

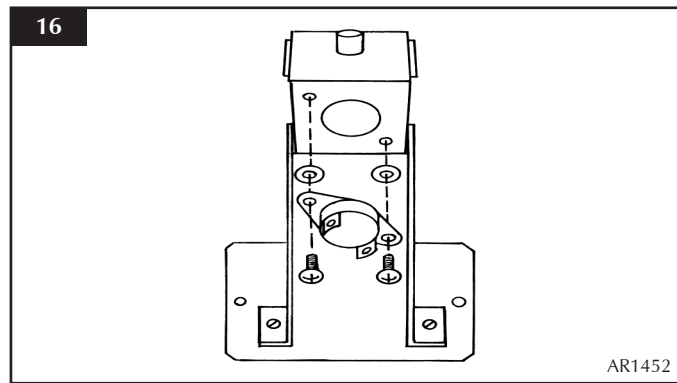
SERVICING INSTRUCTIONS

REPLACING PARTS

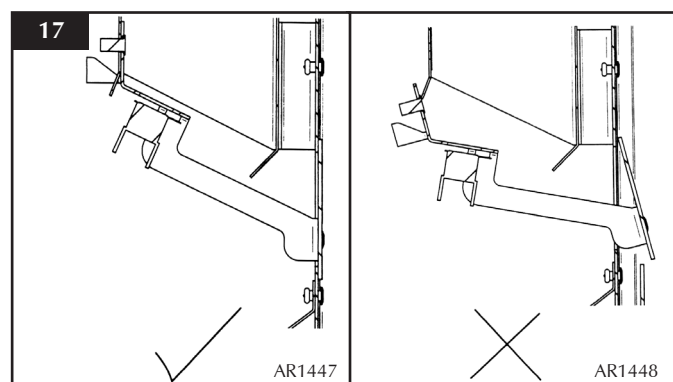
9. GAZCO FLUE SURE SYSTEM

- 9.1 Open the door and remove the ceramics, placing them carefully to one side.
- 9.2 Undo the two screws in the back of the firebox and carefully withdraw the bracket (see Diagrams 14 & 15).



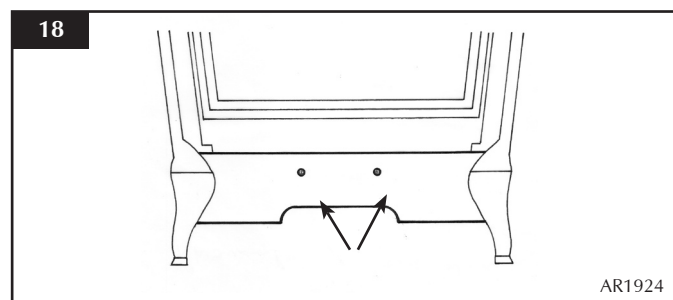
- 9.3 Disconnect the two sensor wires.
 - 9.4 Undo the two tapite screws.
 - 9.5 Remove the sensor and the two plastic spacers (see Diagram 16).
- 
- 9.6 Refit the new sensor ensuring the plastic spacers are located between the bracket and the sensor.
 - 9.7 Refit the leads.

- 9.8 Feed the cable back through the hole as you replace the bracket.
- 9.9 When the bracket is located correctly it sits flush with the back panel without force. If not positioned correctly the bracket sits at an angle (see Diagram 17).

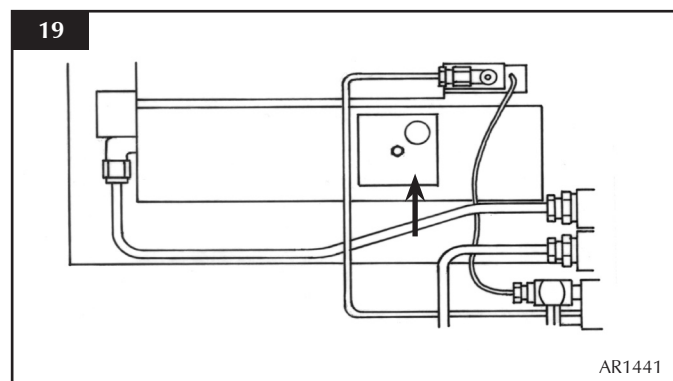


10. PRIMARY AERATION PLATE

- 10.1 Remove the door and place to one side (refer to Installation, Removing the Door).
- 10.2 Remove the cover plate from the bottom of the stove by undoing the screws (see Diagram 18).



- 10.3 Undo the M5 nyloc nut from the bottom of the burner unit and remove the aeration plate (see Diagram 19).



- 10.4 Reassemble in reverse order with the correct aeration plate.

SERVICING INSTRUCTIONS

REPLACING PARTS

11. CHANGING BETWEEN GAS TYPES

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

- Pilot Injector
- Control Valve**
- Main Injector
- Aeration Plate
- Data badge

The relevant parts can be ordered 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.** See Installation Instructions, Section 1.

13. SHORT SPARES LIST

COMPONENT	NG G20	LPG G31
	20mb	37mb
MAIN INJECTOR	IN0001	IN0054
AERATION PLATE	ME4066	ME4954
PILOT INJECTOR	PI0036	PI0037
BURNER ASSEMBLY	B0214	PB0214
THERMOCOUPLE	PI0010	
MAGNETIC UNIT	GC0092	
ELECTRODE	PI0053	
GAS VALVE	GC0088K**	
IGNITION LEAD	GC0090	
FRONT COAL	CE0122	
FLAME BAFFLE	CE0118	
REAR PANEL	GC0135	
COAL SET	GC0127	
TTB SENSOR	EL0001	
SENSOR LEAD	EL0064	
INTERRUPTER	GC0029	
STANDARD UPGRADE KIT	8455	
THERMOSTATIC UPGRADE KIT	8456	

** Note: The control valve is factory preset for correct gas type and model.

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 Service 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 Service due:
Signed:
Dealer's Stamp/CORGI Registration Number

10TH SERVICE

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

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Tel: (01392) 261999 Fax: (01392) 444148 E-mail: info@gazco.com

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