

GAZCO



Steel Manhattan Log Effect Stove Range

With upgradeable control valve

Instructions for Use, Installation and Servicing

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

This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Gazco for further information.

IMPORTANT

Do not attempt to burn rubbish in this fire. This stove must only be operated with the door secured firmly in position. The outer casing of this stove will become hot whilst in operation, it is therefore recommended that the appliance be guarded to protect the young and infirm using a suitable guard.

Ensure that fabrics such as curtains are not positioned above or near to the stoves outer casing.

**Please read these Instructions carefully and keep them in a safe place.
They will be needed when servicing the fire.**

The commissioning sheet found on page 3 of these instructions should be completed by the installer.

CONTENTS

COVERING THE FOLLOWING MODELS
MANHATTAN - 8618AN/MA/BS P8618AN/MA/BS

	PAGE
APPLIANCE COMMISSIONING CHECKLIST	3
USER INSTRUCTIONS	4
INSTALLATION INSTRUCTIONS	8
Technical Specifications	8
Site Requirements	9
Installation	10
Commissioning	15
SERVICING INSTRUCTIONS	16
Servicing Requirements	16
Fault Finding	16
How to replace parts	18
Basic spare parts list	23
Service Records	24

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.....

Installation Company.....

.....

.....

.....

.....

Contact No.

Engineer

Date of Purchase.....

Contact No.

Model No.

Corgi Reg No.

Serial No.

Date of Installation.....

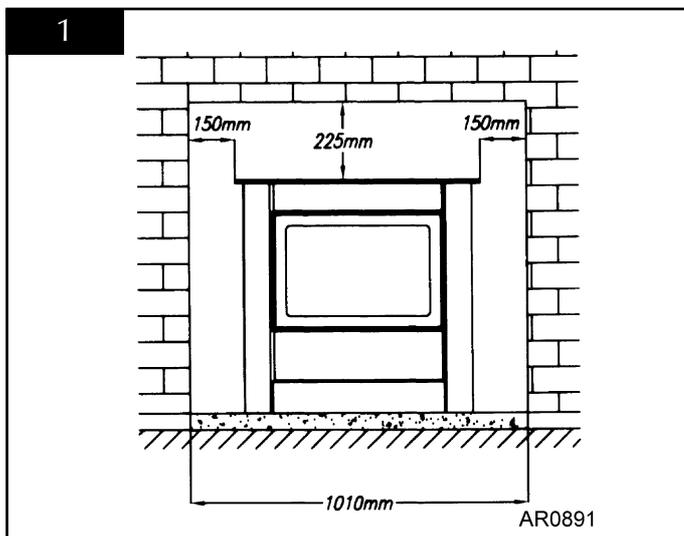
Gas Type.....

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

USER INSTRUCTIONS

1. GENERAL

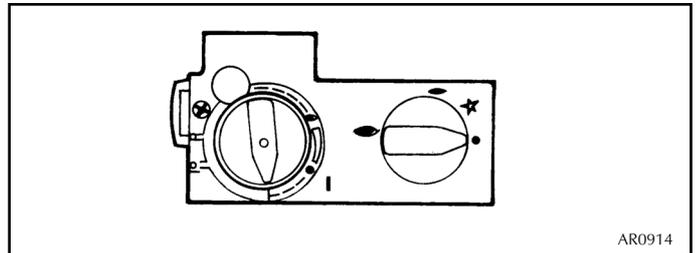
- 1.1 Installation and servicing must be carried out by a competent person in accordance with Gas Safety (Installation and Use) Regulations 1998, the relevant British Standards for Installation, appropriate Codes of Practice and in accordance with the manufacturers instructions. It is recommended that a CORGI registered engineer be used for this purpose as they are approved by the HSE under the above regulations
- 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 28mbar (Butane) or 37mbar (propane).
- 1.3 The installation shall also be completed in accordance with: The Building Regulations issued by The Department of The Environment.
The Building Standards (Scotland) Regulations issued by the Scottish Development Department.
For Republic of Ireland, reference should be made to the relevant standards governing installations (S813:1996).
- 1.4 Read all these instructions before commencing installation.
- 1.5 This appliance must be installed in accordance with the rules in force and only used in a sufficiently ventilated space.
- 1.6 Ensure curtains are not positioned above the stove, and that there is at least a clearance of 300mm between the sides of the stove and any curtains.
- 1.7 The manufacturer considers the full outer casing of this stove to be a working surface. Therefore it will become hot whilst in operation. A suitable guard is recommended to protect young children, the aged and the infirm.
- 1.8 This stove 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.
- 1.9 Do not attempt to burn rubbish in this stove.
- 1.10 Any combustible shelves or surrounding furniture must only be fitted in accordance with the minimum dimensions detailed in diagram 1.



- 1.11 Contact a competent service engineer to carry out relevant spillage checks etc. following home improvements carried out after installation of this stove (e.g. the fitting of double glazing).
- 1.12 In all correspondence, please quote the appliance type and serial number which can be found on the databadge at the rear of the stove.
- 1.13 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.

2. LIGHTING THE STOVE

- 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.
- 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 anti-clockwise 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 for 10 seconds and then release it, the pilot should stay alight. If the pilot goes out, repeat the procedures 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 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 fire (☛), the main burner will light on low. The burner can now be controlled between low and high settings. Turn the control knob anticlockwise increase the flame height and clockwise to decrease the flame height.

USER INSTRUCTIONS

THE YELLOW FLAMES WILL APPEAR WHEN THE FIRE 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 RE-LIGHT THE APPLIANCE.

3. TURNING THE STOVE OFF

- 3.1 To turn the stove 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 STOVE

- 4.1 Your stove is fitted with a control valve that can easily be upgraded to battery powered remote control. This upgrade can be fitted by anyone capable of simple DIY jobs and requires no special training. There are two versions of this control which can be obtained through your local Gazco stockist.
- 4.2 **STANDARD REMOTE CONTROL** This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again. It can turn the main burner off leaving the pilot burning **GAZCO PART NUMBER 8455.**
- 4.3 **THERMOSTATIC AND TIMER REMOTE CONTROL** This remote control can control the gas appliance after the pilot has been lit. In 'MANUAL MODE' it can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner leaving the pilot burning. In 'AUTO MODE' it will automatically regulate the room temperature to a pre-set temperature. In 'TIMER MODE' it will turn the fire on and off according to a pre-set programme and automatically regulate the room temperature during the two on periods. **GAZCO PART NUMBER 8456**

5. CLEANING THE STOVE

WARNING: DO NOT ATTEMPT TO CLEAN THE STOVE UNTIL IN A COLD CONDITION. THE STOVE RETAINS ITS HEAT FOR A CONSIDERABLE TIME AFTER SHUTDOWN.

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

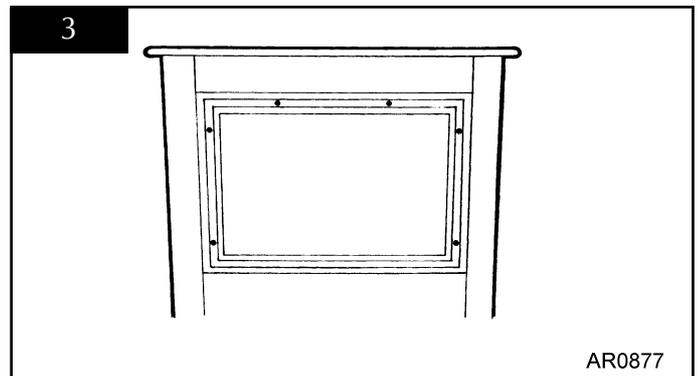
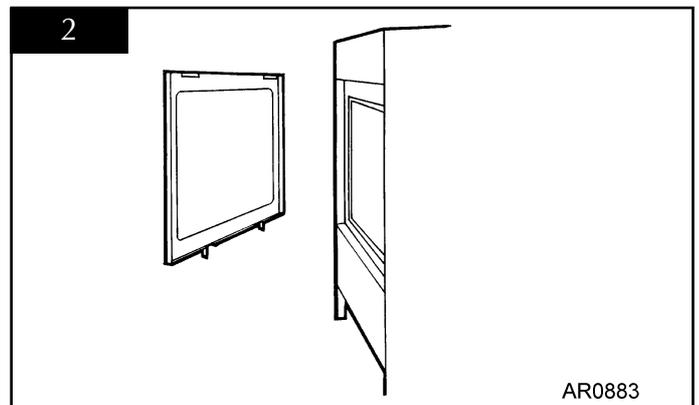
- 5.1 Remove the door by undoing the four brass dome nuts using the tool supplied and placed to one side.
- 5.2 Carefully remove the ceramic fuel bed components and place to one side taking care to protect floor coverings etc.

PLEASE HAND WITH CARE. The embers should be stored separately.

- 5.3 The logs should not require cleaning. Do not use a vacuum cleaner or brush to clean the logs, any large pieces of debris may be removed by hand.
- 5.4 Ensure any debris is removed from the burner ports.
- 5.5 Replace the ceramics by referring to section 6.
- 5.6 Use a damp cloth to clean the outer casing of the appliance.

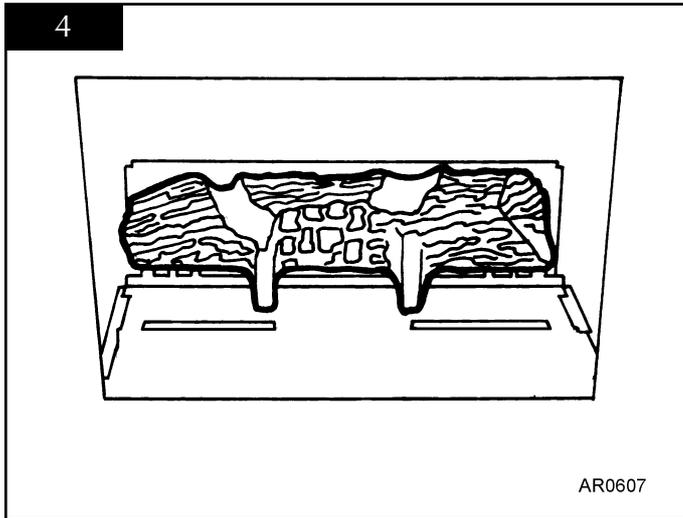
6. FUELBED ARRANGEMENT

To gain access to the ceramic fuel pieces, it will be necessary to remove the glass door. Lift off the decorative steel trim, see diagram 2 and remove the 8 screws holding the glass frame. See diagram 3.

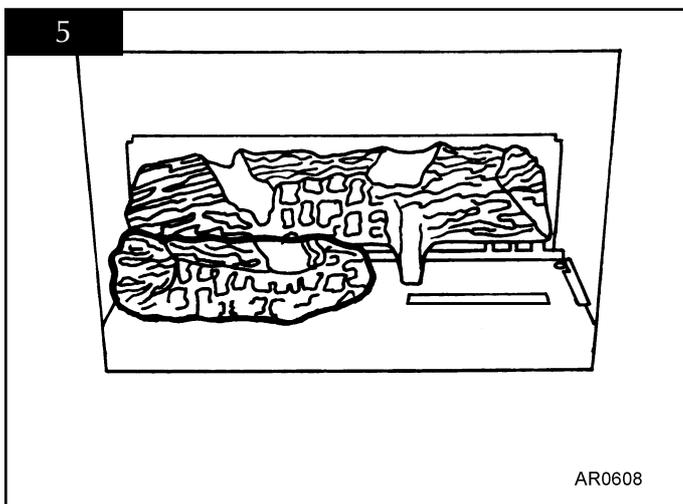


USER INSTRUCTIONS

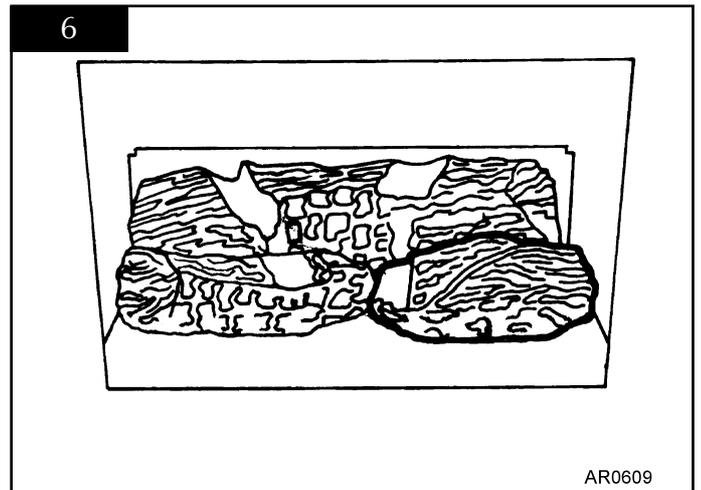
- 6.1 The fuel bed consists of 5 logs and 1 bag of embers. The logs have letters A, B, C, D and E moulded into them for identification.
- 6.2 Take the rear log A and place it up against the rear of the fire sitting on the two flat ledges of the burner. The two legs of the log should sit between the rear burner ports. See diagram 4.



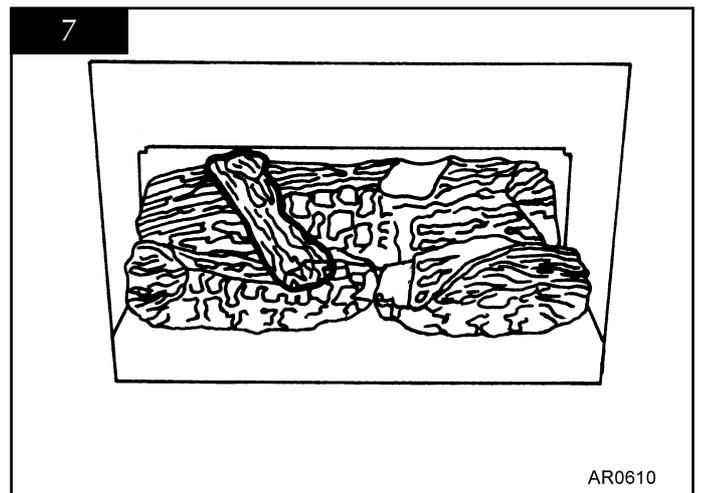
- 6.3 Place log B on the left hand side of the burner with the location bar on the underside of the log fully located in the long slot of the burner. Make sure the log is as far to the left as possible. See diagram 5.



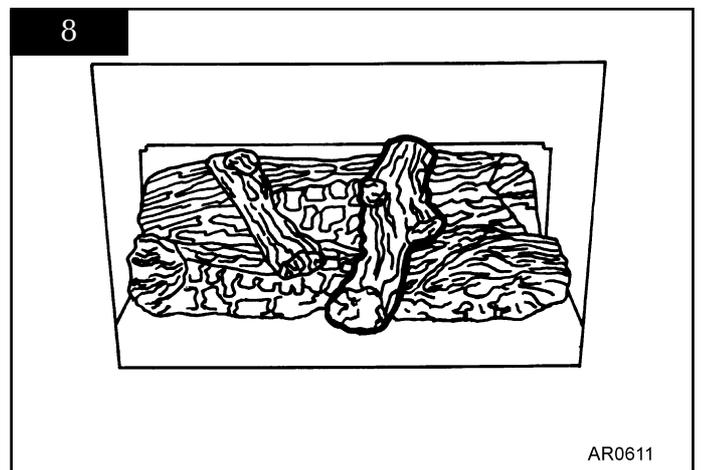
- 6.4 Place log C on the right hand side of the burner with the location bar on the underside of the log fully located in the long slot in the burner. Make sure the log is as far right as possible. See diagram 6.



- 6.5 Place log D across from the rear log A to log B on the left hand side. There are cutouts in both logs for location. The half round end of log D should face forwards showing a dark burnt effect. See diagram 7.

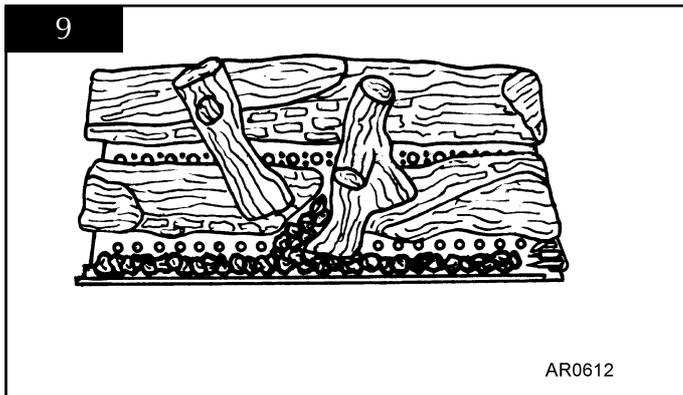


- 6.6 Place log E across from the rear of log A to log C on the right hand side. Again, there are cutouts for location. Log E should have the small branch on the right hand side when installed correctly. The front of the log should sit on the burner skin and should fit tight to log C. See diagram 8.



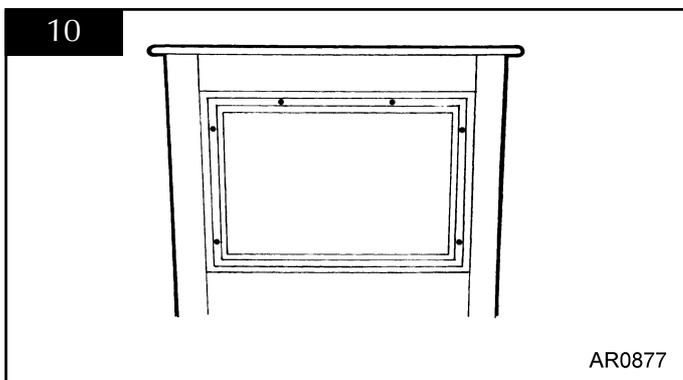
USER INSTRUCTIONS

- 6.7 Place the embers along the front of the burner so as to cover the front edge. These can be placed up to the front edge of the burner ports. It does not harm the performance of the stove if these cover the burner ports but less yellow flames will be evident. Place a few embers between logs B and C in the centre of the burner. If any embers remain, keep them in the bag for future use. See diagram 9



NOTE: ENSURE THAT LOGS ARE POSITIONED, AS DETAILED ABOVE.

- 6.8 Ensure that the rope seal on the back of the glass frame is intact, replace the glass frame ensuring that the 6 screws are tightened evenly. **DO NOT OVERTIGHTEN.** See diagram 10.



NEVER OPERATE THE STOVE WHEN THE DOOR IS REMOVED.

7. GAZCO FLUE SURE SYSTEM

- 7.1 the stove is fitted with the Gazco Flue Sure System, which will act to cut off the gas supply to the burners 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 STOVE UNTIL AN ENGINEER SAYS IT IS SAFE TO DO SO.**

8. THE FLAME FAILURE DEVICE

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

9. 'RUNNING IN'

- 9.1 The surface coating on your GAZCO fire will "burn off" during the first 24 hours of use, producing a harmless and temporary odour. This will disappear after the short period of use. If the odour persists, ask your installer for advice.

10. SERVICING

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

11. VENTILATION

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

12. INSTALLATION DETAILS

- 12.1 To assist in any future correspondence, your installer should have completed this commissioning sheet, this records the essential installation details of these appliance. In all correspondence always quote the model No. and serial No.

INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

COVERING THE FOLLOWING MODELS

MANHATTAN - 8618 AN / MA / BS - P8618 AN / MA / BS

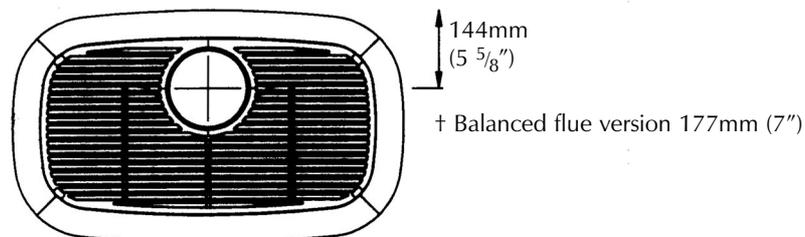
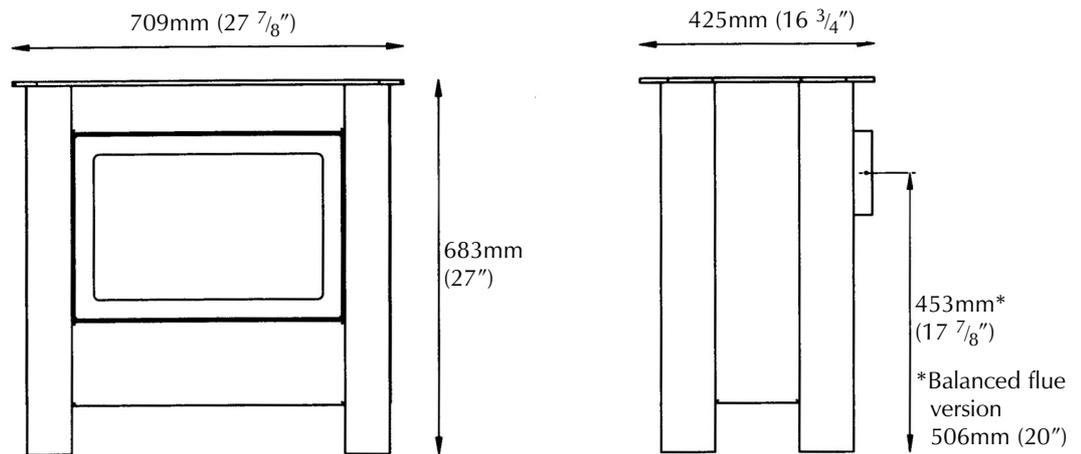
Model CAT.	Gas	Gas Type	Working Pressure	NOX Class	Aeration	Injector	Gas Rate m ³ /h	Input kW (Gross)		Country
								High	Low	
8618	I _{2H}	Natural Gas G20	20 mbar	5	ø14.5	390	0.615	6.45 Gross	3.0 Gross	GB, IE
P8618	I _{3P}	LPG Propane G31	37 mbar	5	14.5 x2	165	0.241	6.40 Gross		GB, IE
Efficiency Class II Flue Outlet Size 127mm (5") ø Gas Inlet Connection Size 8mm 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 Log set (5 logs)*
- 1 Bag of embers*
- 1 Fixing kit containing
- 1 Instruction Manual
- 2 Wood screws
- 2 Rawlplugs
- 1 Box spanner

*Packed in appliance



AR1318

Minimum clearances between stove and other surfaces:
 Top 225mm (9"), Sides 150mm (6"), Rear 50mm (2")

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 effective 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 immediately prior to the installation of the appliance. However, where it can be seen the chimney is clean and unobstructed throughout its entire length, it need not be swept.

NOTE - If it is intended to fit the stove into an existing brick built chimney without a closure plate, a 5" (127mm) 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 7" (175mm) are not recommended.

2. VENTILATION

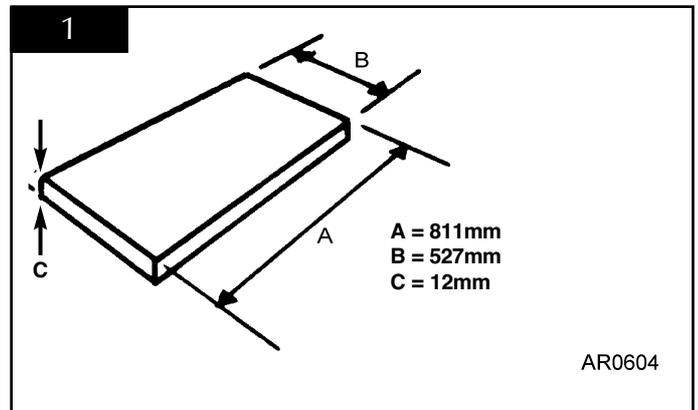
Note: This appliance does not normally require any additional ventilation when installed in G.B.

3. INSTALLATION OF THE GAS SUPPLY

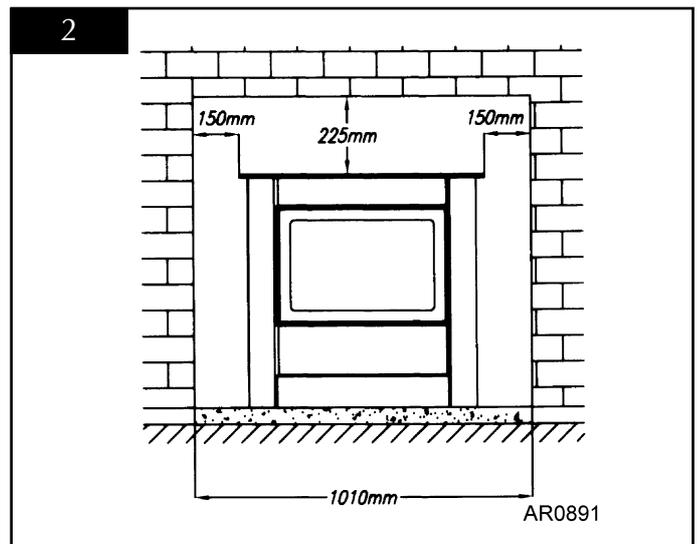
- 3.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.
- 3.2 Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force.
- 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 appliance must stand on a non-combustible hearth that is at least 12mm thick; the minimum dimensions are shown in diagram 1.



- 4.2 This appliance must not be installed in a room that contains a bath or shower.
- 4.3 This stove is not suitable for installation onto a combustible wall; all combustible materials must be removed from the area behind the stove.
- 4.4 Ensure that all minimum clearances are complied with. See diagram 2.



- 4.5 The stove is also suitable for installation into a fireplace opening with the aid of the optional closure plate and spigot extension.

NOTE: ATTENTION MUST BE GIVEN TO ALLOWING ADEQUATE CLEARANCE AT THE SIDES AND REAR OF THE STOVE, SO THAT A SPILLAGE TEST CAN BE PERFORMED.

INSTALLATION INSTRUCTIONS

INSTALLATION

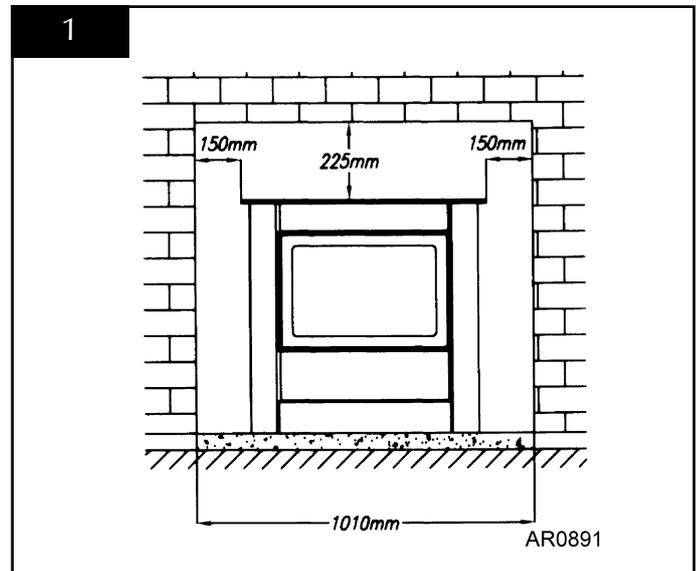
IMPORTANT: ENSURE THAT THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE. REFER TO DATA TAG AND TECHNICAL SPECIFICATIONS AT THE FRONT OF THIS BOOKLET.

1. CONTROL UPGRADE

- 1.1 This stove is fitted with a control valve that can be easily upgraded to battery powered remote control. There are two versions of this control which 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 then it will be easier to upgrade the stove before installation. Full instructions are included with the kit.
- 1.3 **STANDARD REMOTE CONTROL** This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again. It can turn the main burner off leaving the pilot burning. GAZCO PART NUMBER 8455.
- 1.4 **THERMOSTATIC AND TIMER REMOTE CONTROL** This remote control can control the gas appliance after the pilot has been lit. In 'MANUAL MODE' it can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner off leaving the pilot burning. In 'AUTO MODE' it will automatically regulate the room temperature. In 'TIMER MODE' it will turn the fire on and off according to a pre-set programme and automatically regulate the room temperature during two on periods. GAZCO PART NUMBER 8456

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 These 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 1.



- 2.7 The stove is fitted with the Gazco Flue Sure System which will act 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 that there is insufficient flue pill. Continued operation of this safety device means that there may be a serious problem with the flue system, and this should be inspected by a qualified gas engineer. **DO NOT USE THE STOVE UNTIL AN ENGINEER SAYS IT IS SAFE TO DO SO.**
- 2.8 The flue sure system must not be tampered with. Use only genuine Gazco replacement parts when servicing the system - refer to servicing page 17.
THE YELLOW FLAMES WILL APPEAR WHEN THE FIRE HAS GAINED SUFFICIENT HEAT - TYPICALLY 10 TO 20 MINUTES.

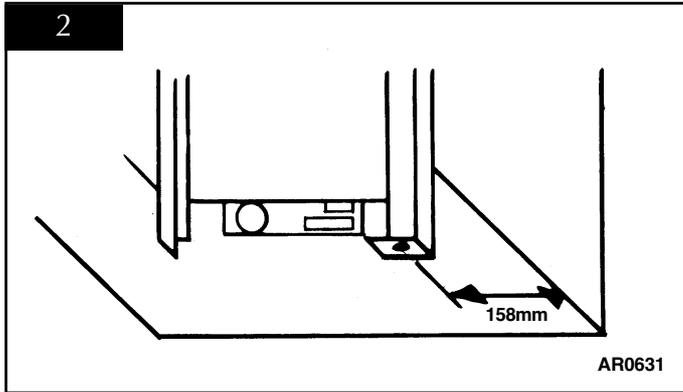
3. INSTALLATION OF THE STOVE

- 3.1 Open the carton containing the engine assembly, and carefully remove the engine. It will now be necessary to decide upon top or rear flue exit, the stove is factory built for rear flue exit, but it may be changed to top exit by simply using the following method.
- 3.2 Remove the flue spigot from the rear of the stove and replace with the blanking plate from the top of the stove. Refit flue spigot to top of stove.
- 3.3 When installing with a top flue please note the flue pipe fits through a hole in the top grill, the dimensions are for floor fixing a top flue installation with clearance for side panels.
- 3.4 Position the engine assembly in its intended location and mark the position of the two floor fixing holes at the base of each side of the subframe, minimum fixing dimensions to a rear wall are shown in diagram 2.

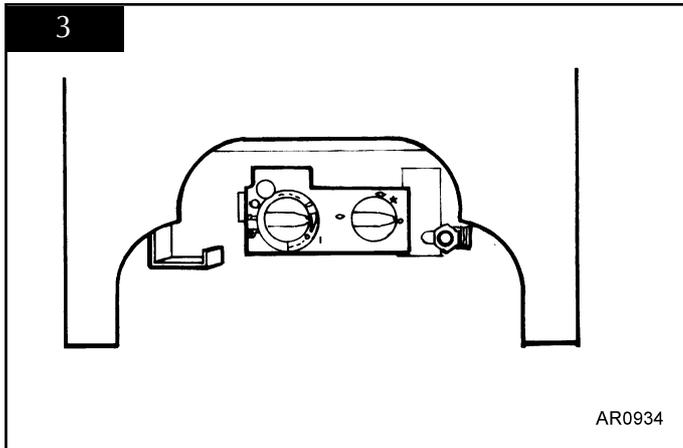
INSTALLATION INSTRUCTIONS

INSTALLATION

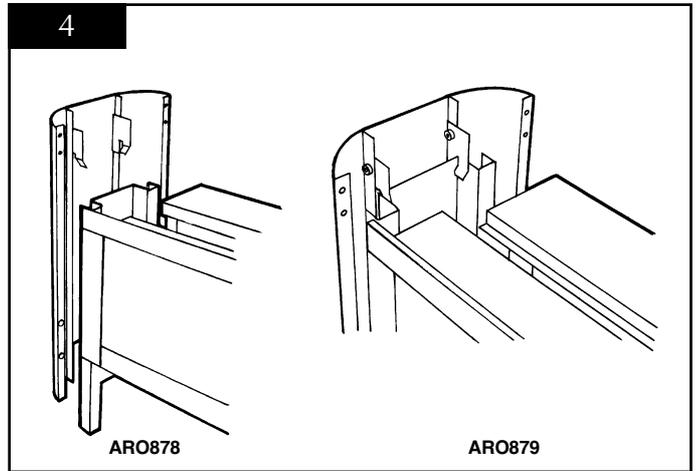
- 3.5 Remove the assembly and drill the two holes using a No. 12 masonry bit. Push the rawl plugs into the holes, and place the engine assembly in position, secure to the floor using the screws provided. See diagram 2.



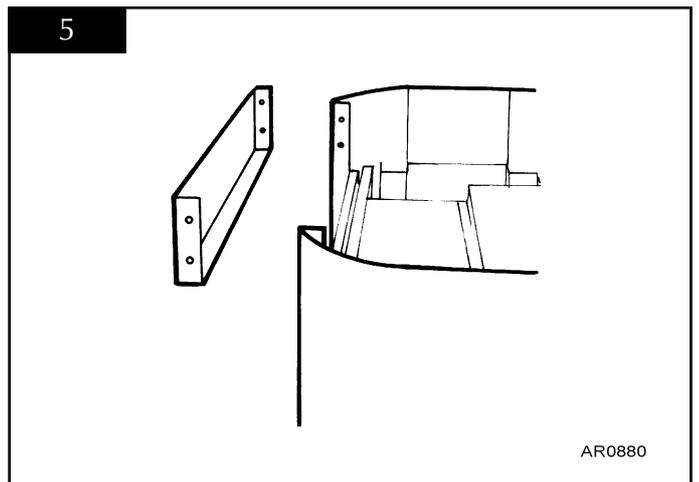
- 3.4 Having run the gas supply to the stove, **PURGE THE SUPPLY PIPE**, this is essential to expel any debris that may block the gas controls. connect the gas supply to the 8mm-compression elbow at the RH rear corner of the stove, ensuring that the pipe position does not interfere with the location of the outer steel casing. See diagram 3.



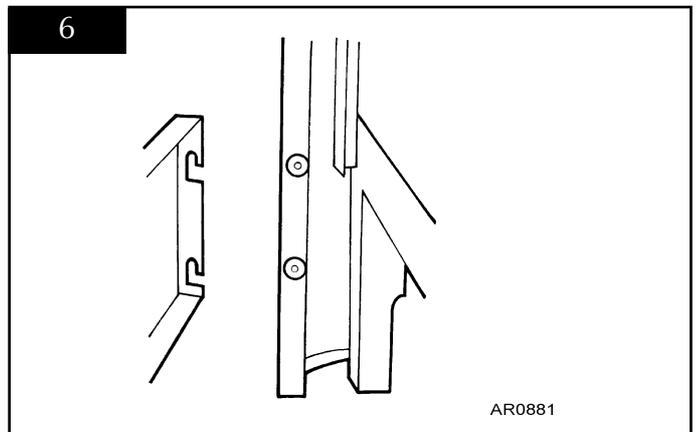
- 3.7 Open the second carton and carefully remove the steel outer casing components. Remove the protective plastic coating from the two side assemblies and lower them onto the engine assembly until the lugs locate as shown, check that the feet are touching the hearth. See diagram 4.



- 3.8 Secure the upper front panel using the 4 nuts and bolts provided. See diagram 5.



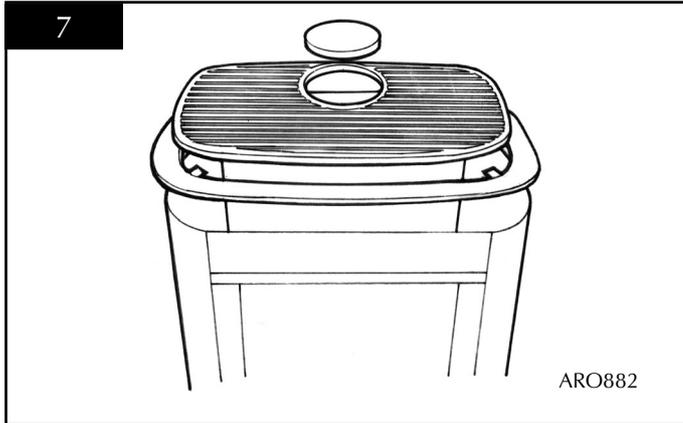
- 3.9 Locate the lower panels onto the lugs as shown. See diagram 6.



INSTALLATION INSTRUCTIONS

INSTALLATION

- 3.10 Place the steel top onto the casing so that the 2 lugs on the underside locate the top centrally within the casing. Place the cast iron grille into the recess in the centre of the top panel and locate the blanking plate into the grill (if required). See diagram 7.



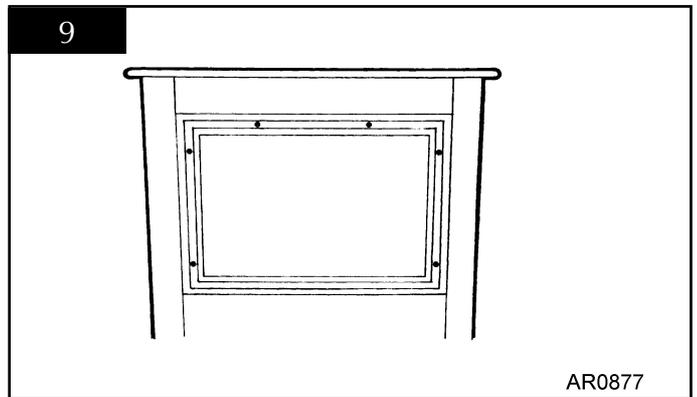
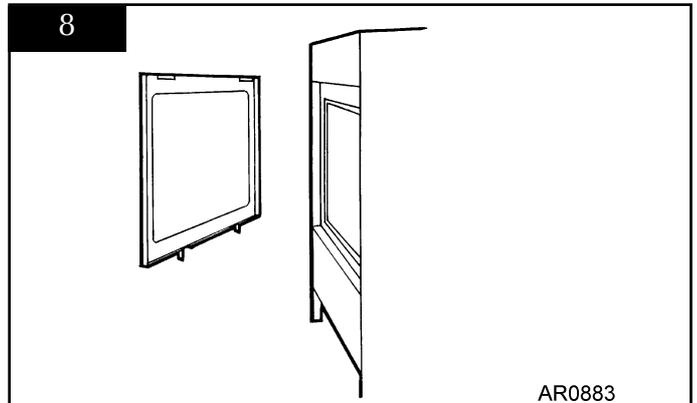
- 3.11 Check the pull of the flue system by applying a lighted smoke pellet to the flue system opening. If there is a definite flow into the chimney, proceed with the installation, if not; warm the chimney for a few minutes and repeat the test.

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

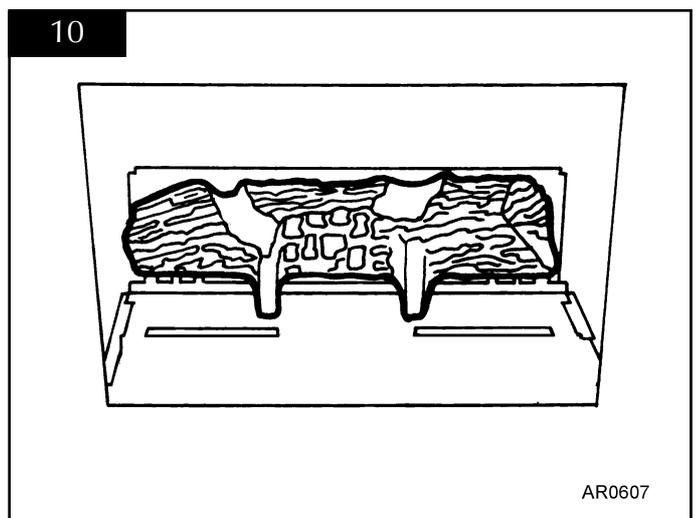
- 3.12 The flue system may now be connected to the stove, ensure that all joints are sealed with suitable fire resistant sealant. It is also recommended that a physical retention method may be used at the flue spigot joint, self-tapping screws being favoured.
- 3.13 Connect a suitable pressure gauge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

4. FUELBED ARRANGEMENT

To gain access to the ceramic fuel pieces, it will be necessary to remove the glass door. Lift off the decorative steel trim, see diagram 8 and remove the 8 screws holding the glass frame. See diagram 9.



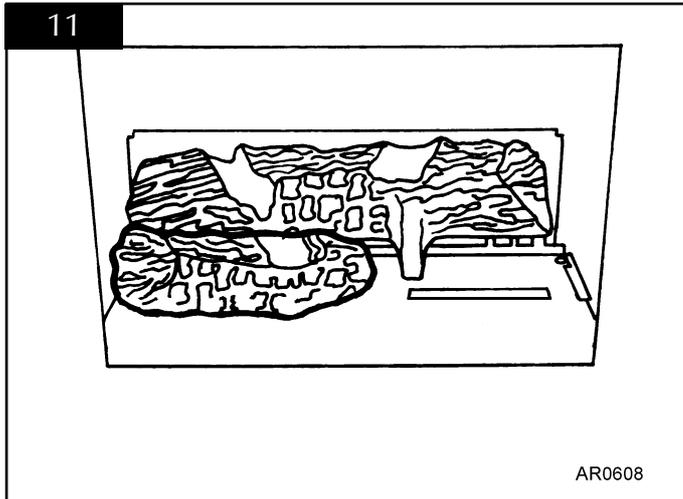
- 4.1 The fuel bed consists of 5 logs and 1 bag of embers. The logs have letters A, B, C, D and E moulded into them for identification.
- 4.2 Take the rear log A and place it up against the rear of the fire sitting on the two flat ledges of the burner. The two legs of the log should sit between the rear burner ports. See diagram 10.



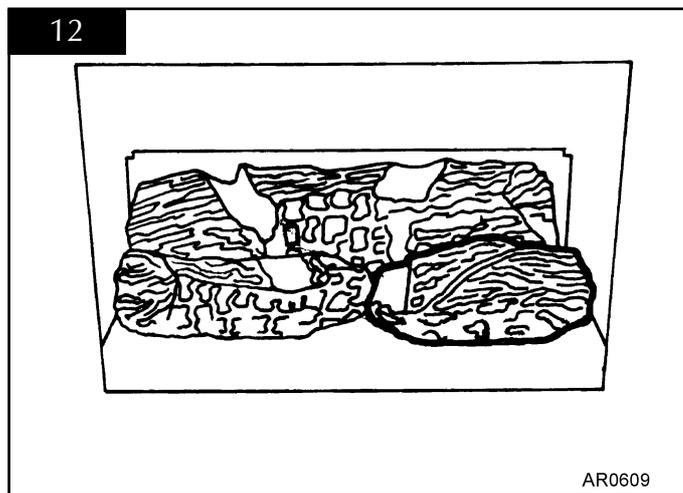
INSTALLATION INSTRUCTIONS

INSTALLATION

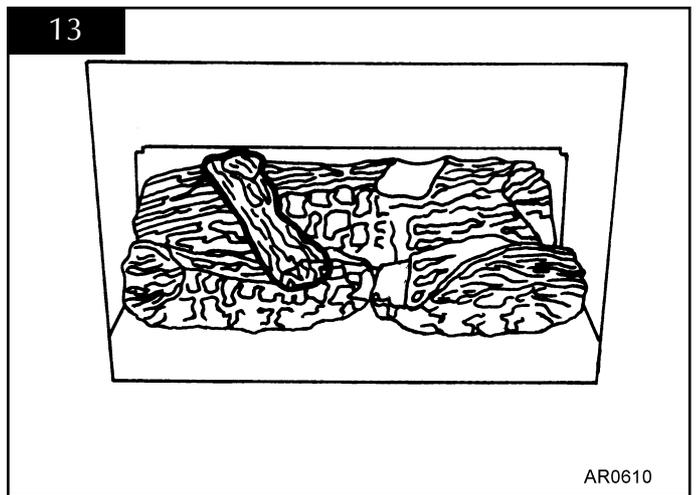
- 4.3 Place log B on the left hand side of the burner with the location bar on the underside of the log fully located in the long slot of the burner. Make sure the log is as far to the left as possible. See diagram 11.



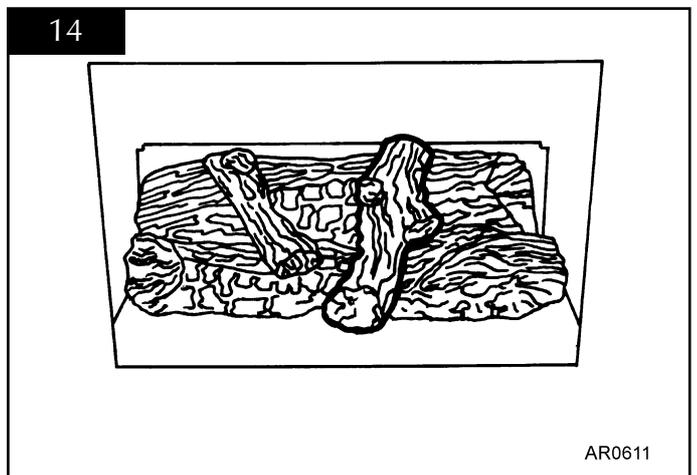
- 4.4 Place log C on the right hand side of the burner with the location bar on the underside of the log fully located in the long slot in the burner. Make sure the log is as far right as possible. See diagram 12.



- 4.5 Place log D across from the rear log A to log B on the left hand side. There are cutouts in both logs for location. The half round end of log D should face forwards showing a dark burnt effect. See diagram 13.



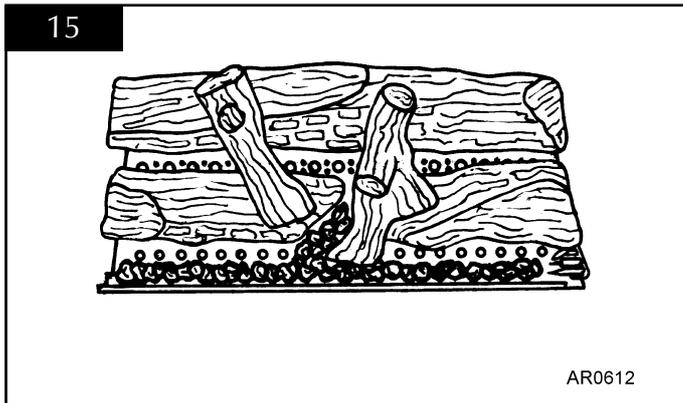
- 4.6 Place log E across from the rear of log A to log C on the right hand side. Again, there are cutouts for location. Log E should have the small branch on the right hand side when installed correctly. The front of the log should sit on the burner skin and should fit tight to log C. See diagram 14.



INSTALLATION INSTRUCTIONS

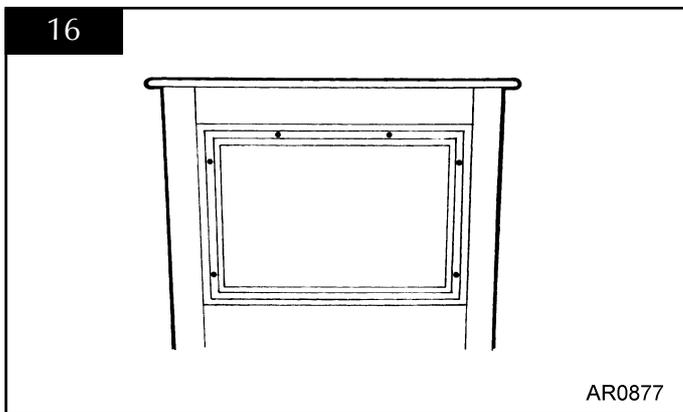
INSTALLATION

- 4.7 Place the embers along the front of the burner so as to cover the front edge. These can be placed up to the front edge of the burner ports. It does not harm the performance of the stove if these cover the burner ports but less yellow flames will be evident. Place a few embers between logs B and C in the centre of the burner. If any embers remain, keep them in the bag for future use. See diagram 15



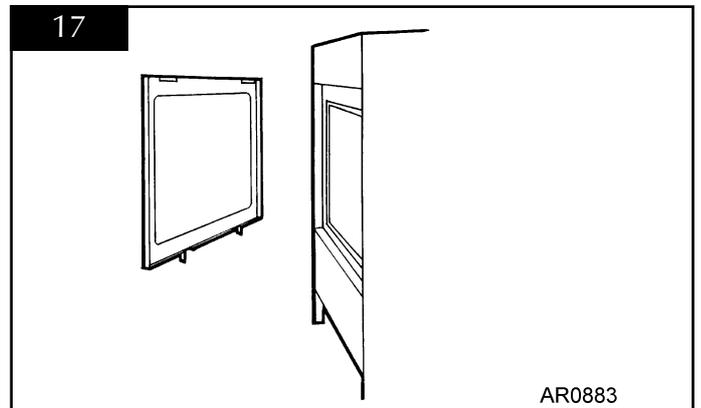
NOTE: ENSURE THAT LOGS ARE POSITIONED, AS DETAILED ABOVE.

- 4.8 Ensure that the rope seal on the back of the glass frame is intact, replace the glass frame ensuring that the 6 screws are tightened evenly. . DO NOT OVERTIGHTEN. See diagram 16.



NEVER OPERATE THE STOVE WHEN THE DOOR IS REMOVED.

- 4.9 Secure the glass frame assembly using the 6 screws provided, tighten evenly and do not overtighten. See diagram 16.
- 4.10 Hang the decorative steel trim onto the glass frame as shown. See diagram 17.



5. LIGHTING

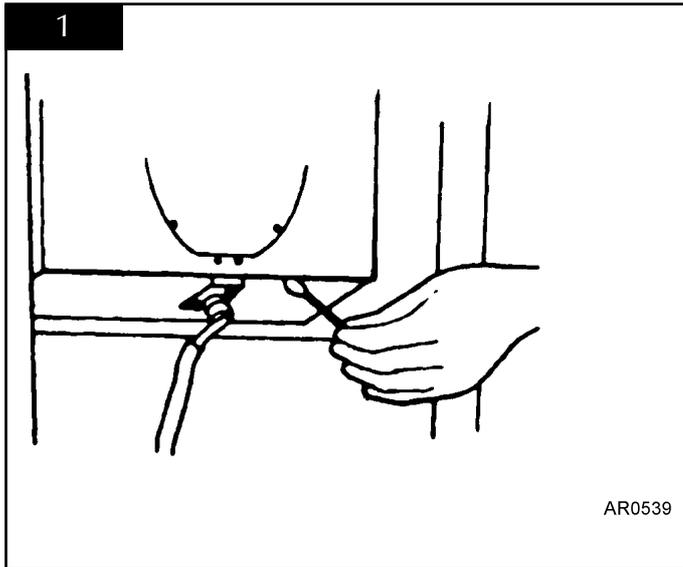
- 5.1 Full instructions are given in Section 2.

INSTALLATION INSTRUCTIONS

COMMISSIONING

1. COMMISSIONING

- 1.1 Close all openable doors and windows in the room, ignite the stove and operate on maximum for 5 minutes. Position a lighted smoke match just inside the draught diverter opening and ensure all smoke is drawn into the opening, see diagram 1. If there is any doubt, run the stove for a further 10 minutes, and repeat the test.



- 1.2 If there are any extractor fans in the room of adjacent rooms, the test must be repeated with the fans running on maximum.
IF SPILLAGE PERSISTS, DISCONNECT THE APPLIANCE AND SEEK EXPERT ADVICE.
- 1.3 For future reference record the installation details on the commissioning sheet at the end of the Users Section of these instructions.

SERVICING INSTRUCTIONS

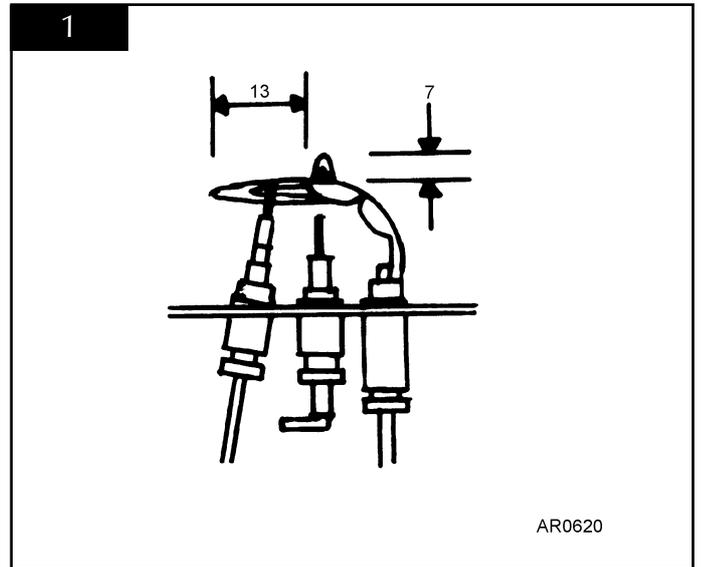
SERVICING / FAULT FINDING CHARTS

1. SERVICING REQUIREMENTS

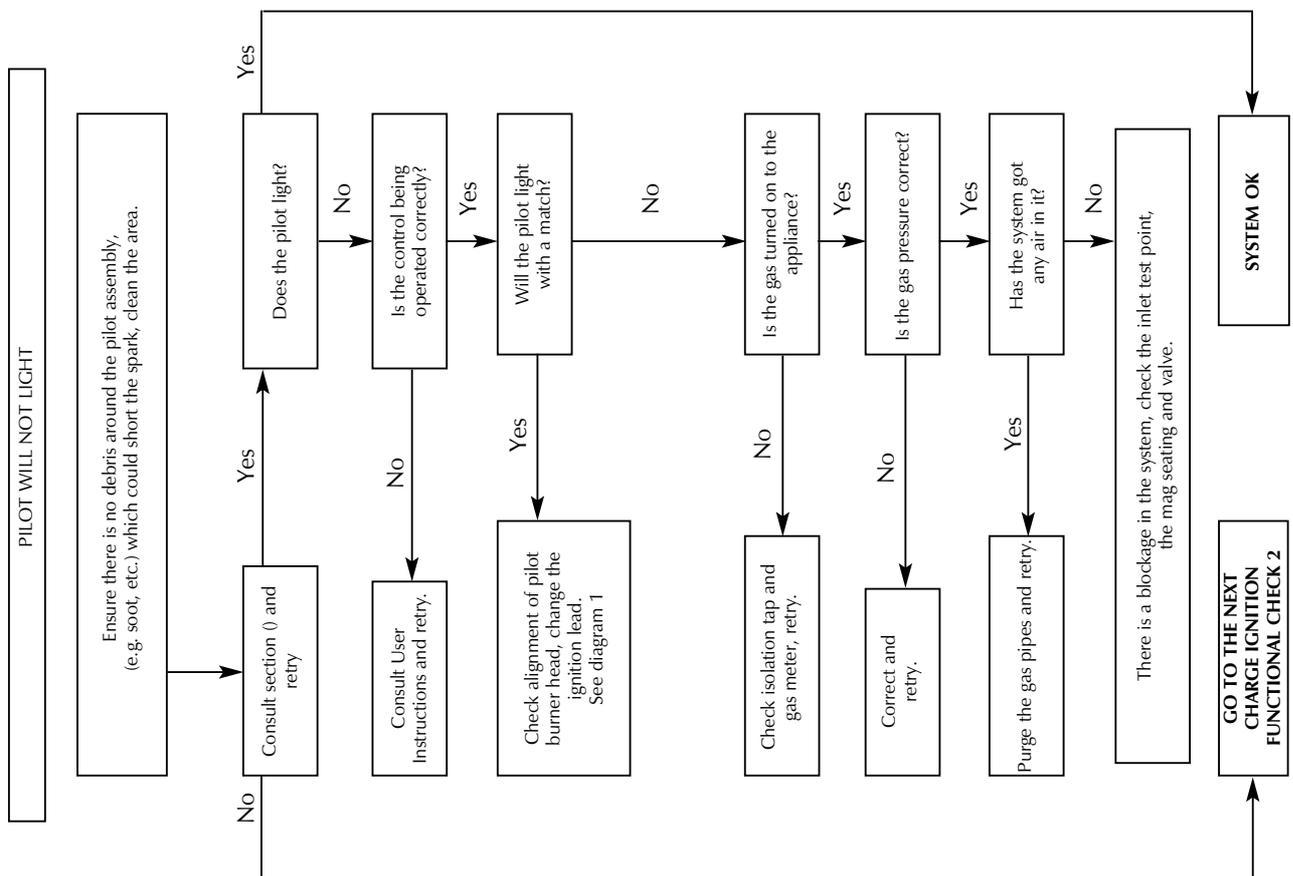
This appliance must be serviced at least once a year by a competent person.

All tests must be serviced by best practice as described by the current CORGI recommendations.

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



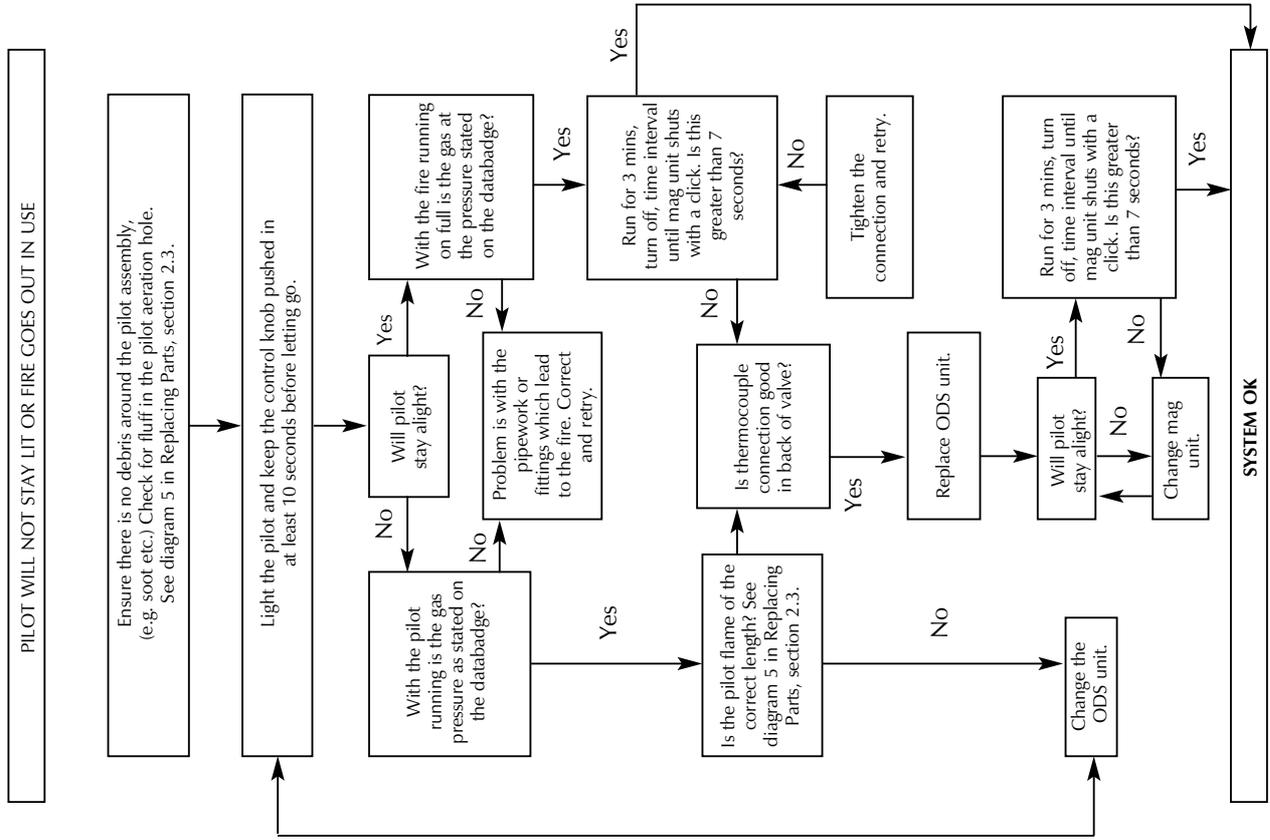
IGNITION FUNCTIONAL CHECK 1



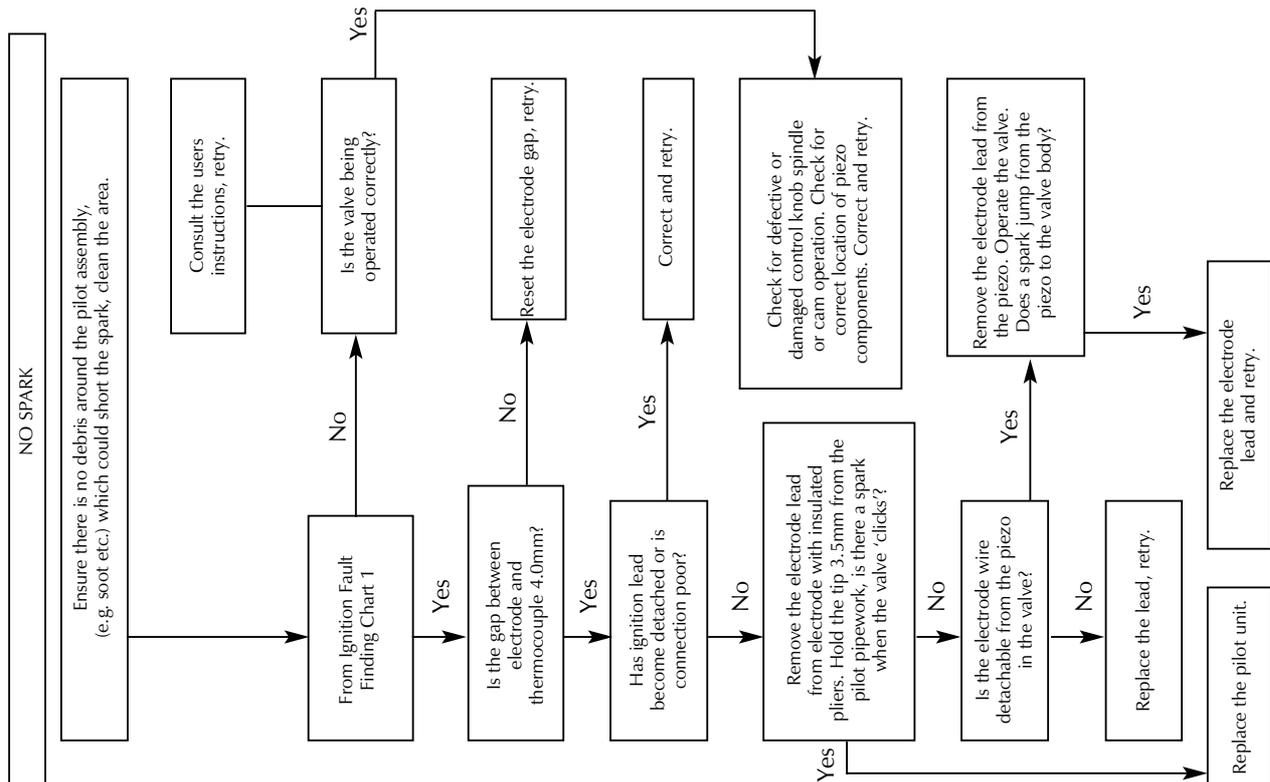
SERVICING INSTRUCTIONS

FAULT FINDING CHARTS

FLAME FAILURE FUNCTIONAL CHECK 3



IGNITION FUNCTIONAL CHECK 2

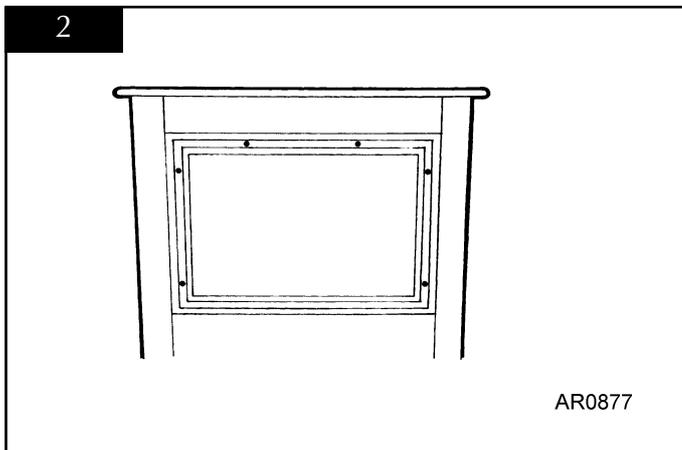
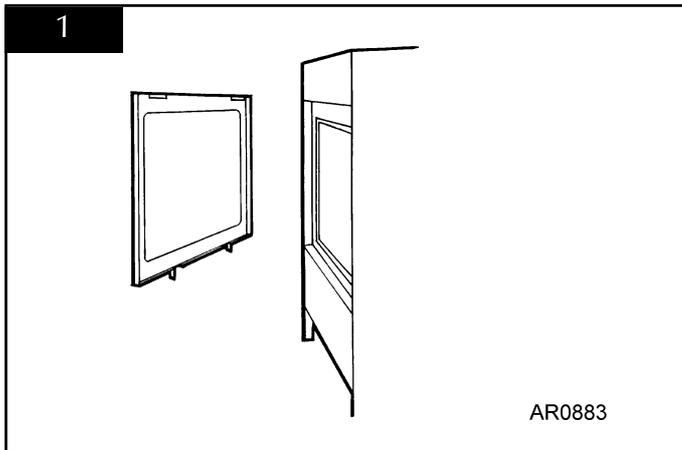


SERVICING INSTRUCTIONS

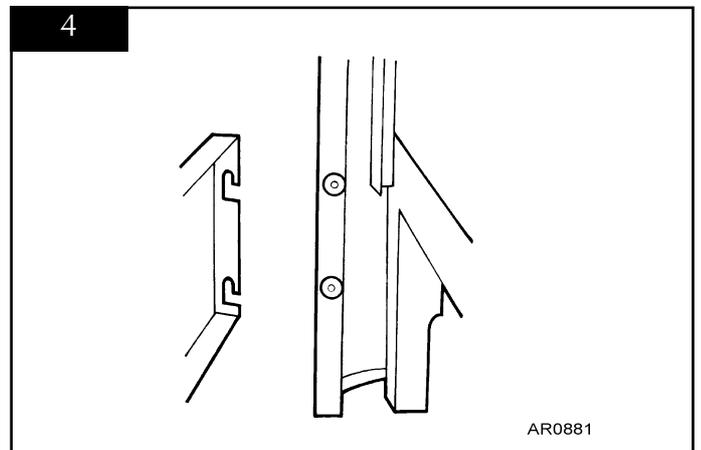
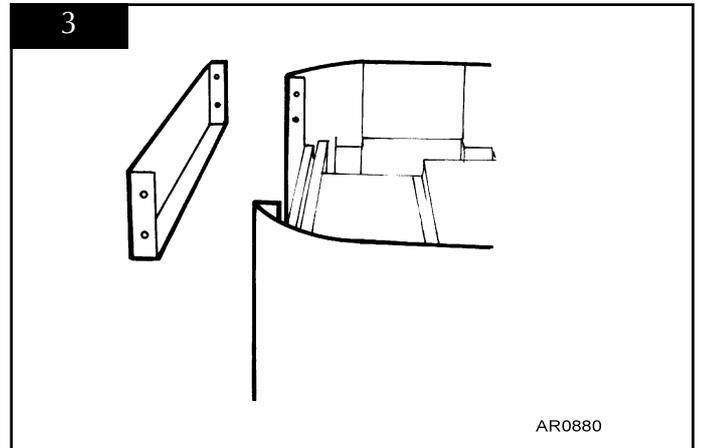
REPLACING PARTS

1. GENERAL

- 1.1 All principal components can be replaced without removing the stove from its installation, although it will be necessary to remove the door and steel outer casing in order to access most components. In order to remove the casing, using the following procedure:
- 1.2 Lift off the decorative steel trim see diagram 1 and remove the 6 screws holding the glass frame. See diagram 2.



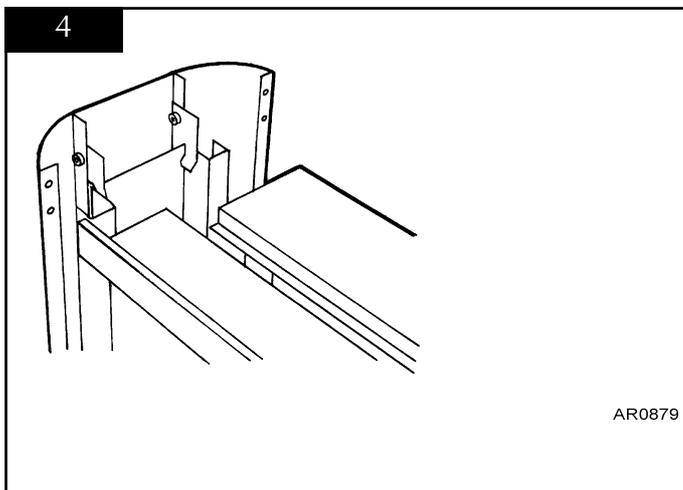
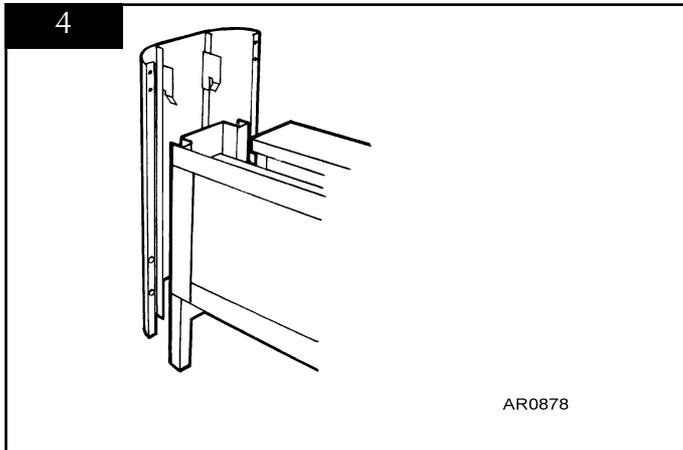
- 1.3 Carefully remove the top blanking plate and cast iron grille and place to one side, remove the steel top, see diagram 16. If the unit has been connected to the top exit flue, it will be necessary to lift the support the grille and steep top whilst removing the outer steel casing.
- 1.4 Remove the two front panels as shown. See diagrams 3 and 4.



- 1.5 Lift the RH decorative panel to disengage from its locating brackets and remove from the stove, see diagram 4. It may not be necessary to remove the LH side.
- 1.6 This should allow full access to all major components.

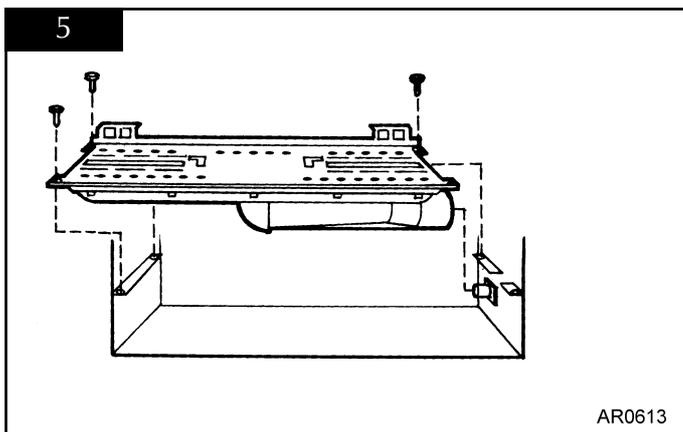
SERVICING INSTRUCTIONS

REPLACING PARTS



2. MAIN BURNER

- 2.1 Turn the gas supply off at the isolation device, remove the door and place to one side and carefully remove the ceramic fuel bed components.
- 2.2 Remove the three securing screws, two at the rear and one at the front left hand side. See diagram 5.



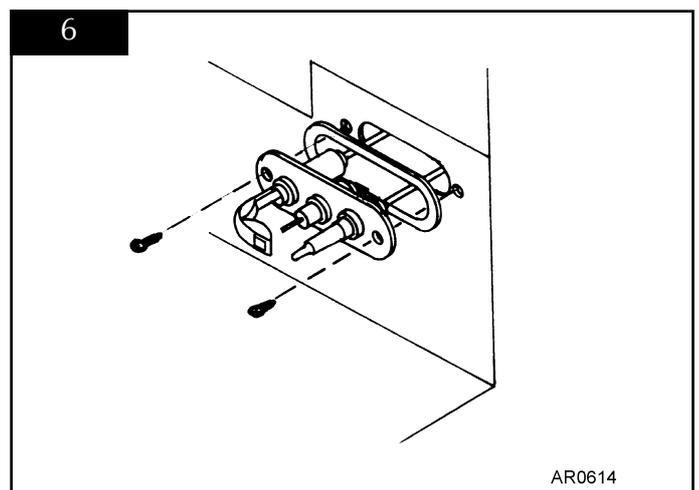
Raise the left hand side of the burner to clear the bracket, draw the left hand side forward. The burner venturi is engaged over the injector. When removing the burner be sure to clear the injector, this will release the right hand side of the burner. Take care when removing the burner so as not to damage the pilot burner.

- 2.3 To replace the burner, engage the venturi over the injector ensuring the burner sits on top of the fixing bracket. Lower the left hand side of the burner onto the fixing bracket. Push the burner to the right and whilst holding, insert the three fixing screws.

NOTE: BEFORE PLACING THE BURNER, ENSURE THE SILICONE SEAL AROUND THE INJECTOR IS INTACT.

3. PILOT UNIT

- 3.1 The pilot assembly consists of four components, which can be individually changed, these are:
 1. Pilot burner bracket
 2. Pilot injector
 3. Electrode
 4. Thermocouple
- 3.2 Turn the gas supply off at the isolation device, remove the door and place to one side and carefully remove the ceramic fuelbed components.
- 3.3 Remove the main burner. See section 25.
- 3.4 Remove the two fixing screws from the pilot bracket. See diagram 6.

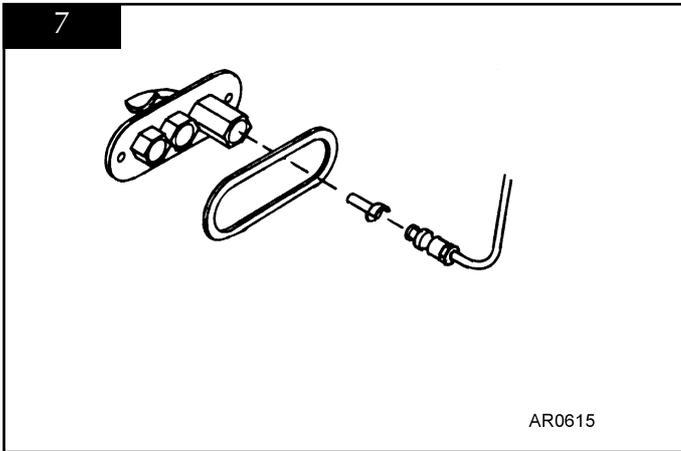


Gently draw the assembly away from the firebox to give access to the nuts and ignition lead.

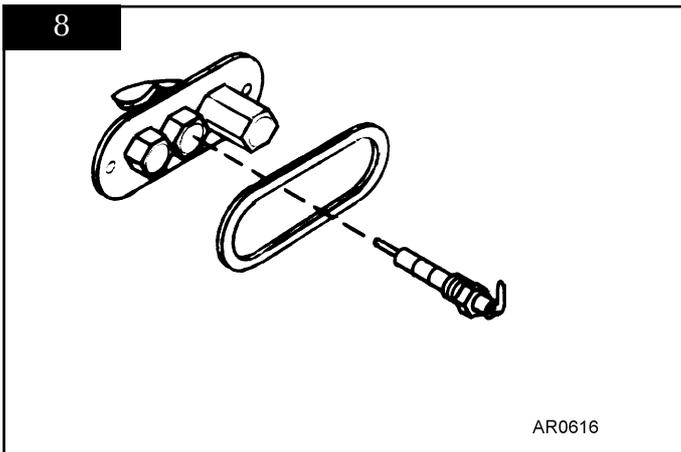
- 3.5 To remove the pilot injector, undo the compression nut on the pilot feed pipe and withdraw the injector, which will be hooked onto the olive. When replacing an injector always make sure it is hooked onto the olive before inserting it into the pilot burner. See diagram 7.

SERVICING INSTRUCTIONS

REPLACING PARTS



- 3.6 To remove the electrode, disconnect the ignition lead and undo the retaining nut. The electrode can now be removed. Note the orientation of the electrode terminal when reassembling. See diagram 8.



4. IGNITION LEAD AND PIEZO

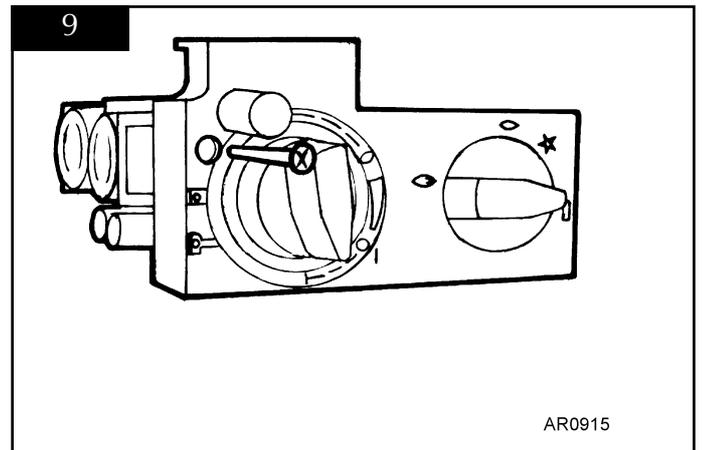
- 4.1 Gain access to the back of the pilot assembly, see section 3 and disconnect the ignition lead from the electrode.
- 4.2 Remove the front cover from the control valve, see diagram 9 and 10 disconnect the other end of the ignition lead from the valve body, note the existing route of the ignition 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 the operation of the new ignition lead.

5. PIEZO

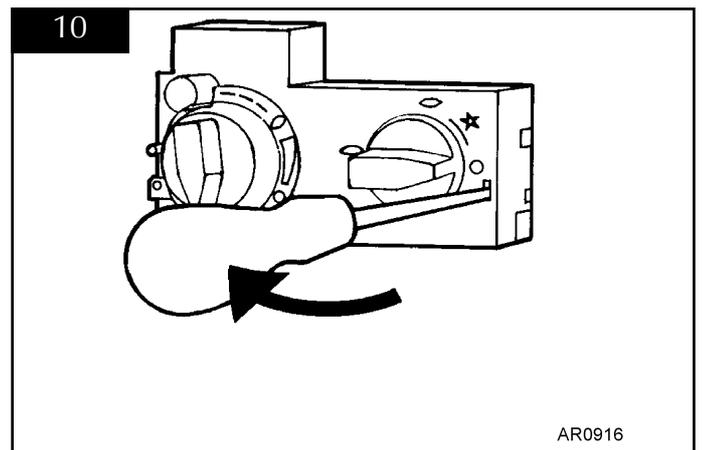
- 5.1 The piezo assembly used on this appliance is not serviceable and is unlikely to fail.

6. GAS VALVE

- 6.1 Turn the gas supply off at the isolation device.
- 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 11 arrow A.
- 6.3 Undo the single screw that secures the left hand side of the control cover, see diagram 9.



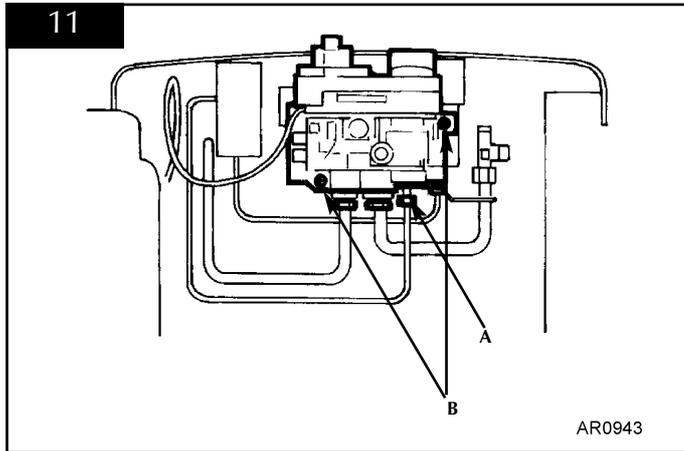
- 6.4 To release the right hand side of the control cover insert the narrow blade screwdriver into the slot shown in diagram 10, lever it gently and pull from the right hand side at the same time. The cover will now come off, there is a small cylindrical metal spacer inside the cover, this must be kept and replaced on the fixing screw during re-assembly.



SERVICING INSTRUCTIONS

REPLACING PARTS

- 6.5 Disconnect the ignition lead from the gas valve.
- 6.6 Undo the two bolts securing the gas valve to the appliance, see diagram 11 arrow B and remove the valve.



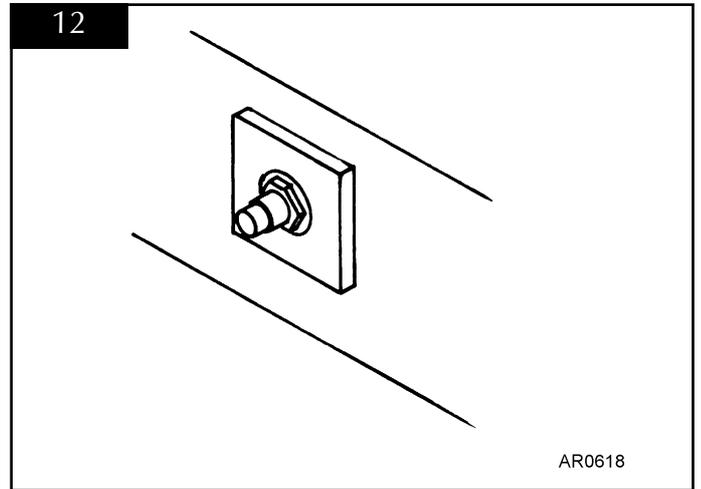
- 6.7 Replace in reverse order.
- 6.8 Check all joints for gas leaks, check operation of the thermocouple and ignition lead.

7. MAGNETIC SAFETY VALVE

- 7.1 Turn the gas supply off at the isolation device, remove the ceramic front and RH side panels as detailed in section 1. 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 at 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 11 arrow A.
- 7.3 Reassemble the interrupter block and leads. Secure the thermocouple connection in the rear of the gas control. (Do not overtighten). 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, remove the ceramic front and RH side panels as detailed in Section 1. Refer to section 2 to remove the main burner.
- 8.2 Undo the compression nut from the feed pipe at the gas control under the appliance. See diagram 11.
- 8.3 Working from inside the firebox, remove the lock nut from the injector and withdraw the injector complete with the feed pipe from under the appliance. See diagram 12.

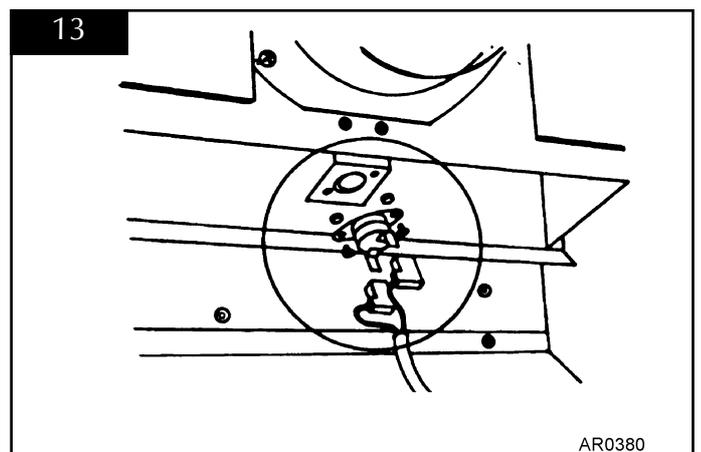


- 8.4 Holding the injector with a spanner, undo the feed pipe.
- 8.5 Reassemble in reverse order, turn on the gas supply and check for any leaks.

9. GAZCO FLUE SURE SYSTEM

If the stove has been installed in a restrictive location, it may be necessary to remove the ceramic casing, please refer to section 1.

- 9.1 Locate the sensor in the draught diverter opening, and gently pull the two wires off the terminals. Undo the two taprite screws and remove the sensor and the two plastic spacers. See diagram 13



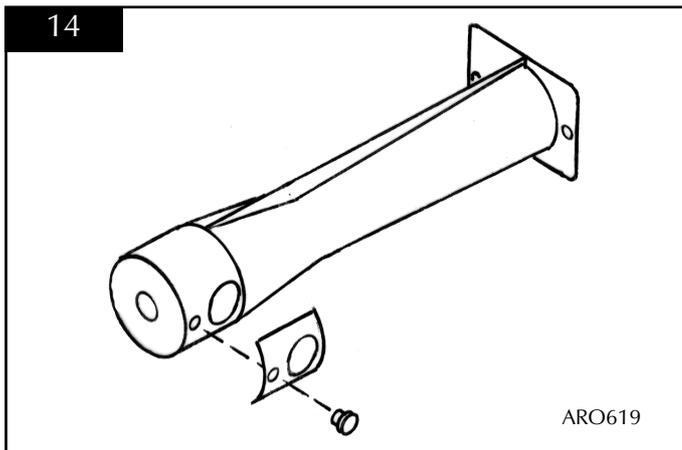
- 9.2 Refit a new sensor ensuring that the spacers are located between the sensor and the bracket, replace the two leads.
- 9.3 If it has been necessary to remove the stove, ensure that all disturbed gas joints are checked for gas soundness when reinstalled and repeat the flue clearance test as detailed in 1. commissioning page 15.

SERVICING INSTRUCTIONS

REPLACING PARTS

10. PRIMARY AERATION PLATE

- 10.1 Turn the gas supply off at the isolation device.
- 10.2 Refer to section 2 to remove the main burner.
- 10.3 Remove the screw retaining the aeration plate (if fitted) from the end of the venturi. See diagram 14.



- 10.4 Reassemble in reverse order with correct aeration plate.
NOTE: EVEN IF NO AERATION PLATE IS REQUIRED, THE SMALL SCREW MUST BE REPLACED.

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
- Main Burner
- Aeration Plate (if required)
- Data Badge

The relevant parts can be ordered from the parts list, always quote the appliance type and serial number when ordering spare parts.

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

12. CONTROL UPGRADE

See section 1 page 10.

SERVICING INSTRUCTIONS

REPLACING PARTS

13. SHORT SPARES LIST

Component	NG	LPG
	G20 20mb	G31 37mb
MAIN INJECTOR	IN0028	IN0030
PILOT INJECTOR	PI0026	PI0015
BURNER ASSEMBLY	GZ1628	GZ1629
THERMOCOUPLE	PI0010	
MAGNETIC UNIT	GC0092	
ELECTRODE	PI0053	
GASKET	PI0052	
GAS VALVE	GC0056	
GAS FILTER	GC0065	
IGNITION & PIEZO LEAD	GC0062	
LOG A	GC0262	
LOG B	GC0263	
LOG C	GC0264	
LOG D	GC0265	
LOG E	GC0266	
EMBERS	CE0267	
FUEL SENSOR	EL0001	
SENSOR LEAD	EL0064	
INTERRUPTER	GC0026	
STANDARD UPGRADE KIT	8455	
THERMO UPGRADE KIT	8456	

SERVICE RECORDS

1ST 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

3RD 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

5TH 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

7TH 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

9TH 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

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