



Logic Hotbox & Convector Fire

With manual control valve

Instructions for Use, Installation and Servicing

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

IMPORTANT

This product has a naked flame. It is important to ensure that adequate precautions are taken to ensure that no objects could come into contact with the naked flame. Under no circumstance should rubbish be thrown into or burnt on this appliance.

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

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

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

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

Covering the following models

Hotbox

Logic Hotbox Coal NG 101-021
Logic Hotbox Coal LPG 101-512
Logic Hotbox Pebble NG 101-372
Logic Hotbox Pebble LPG 101-788

Convector

Logic Convector Coal NG 101-295
Logic Convector Coal LPG 101-418
Logic Convector Pebble NG 101-100
Logic Convector Pebble LPG 101-636

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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		

DEALER AND INSTALLER INFORMATION

Dealer

.....

.....

Contact No.

Date of Purchase.....

Model No.....

Serial No.....

Gas Type

Installation Company

.....

.....

Engineer

Contact No.....

Gas Safe Reg No.

Date of Installation

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

USER INSTRUCTIONS

1. GENERAL

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

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

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

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

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

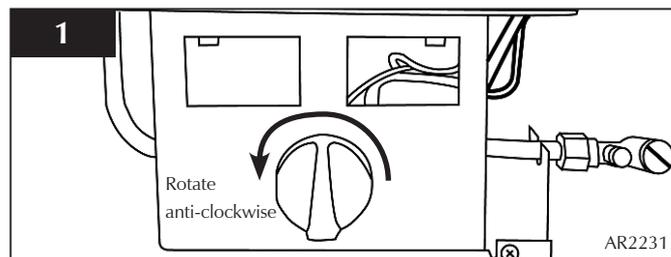


- 1.2 In all correspondence, please quote the fire type and serial number, which can be found on the data badge adjacent to the control knob.
- 1.3 Ensure that curtains are not positioned above the fire, and that there is a 300mm minimum clearance between the sides of the fire and any curtains.
- 1.4 This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. Please consult with your local Gazco dealer if you have any questions. In all correspondence always quote the Model Number and Serial Number.
- 1.5 The decorative front will become hot during normal use and should be treated as a 'working surface'. It is therefore recommended that a suitable fire guard be used for protection of young children and the infirm.

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

2. LIGHTING THE FIRE

- 2.1 Locate the control valve on the fire.
- Push the valve knob in and rotate anti-clockwise until two clicks are heard
- The pilot should now be lit
- Hold in for a further 10 seconds
- When released the pilot should remain lit

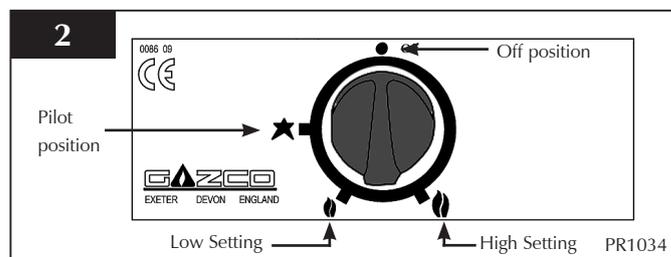


If the pilot does not remain lit, repeat until the operation is successful.

2.2 Adjusting the settings

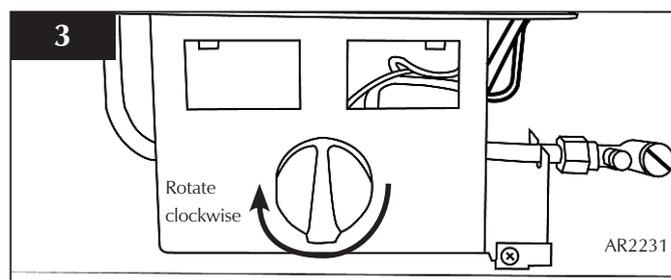
From the pilot position:

- Push the valve knob in slightly and rotate anti-clockwise until the first stop point is felt
- This denotes the lowest setting.
- Push the valve knob in slightly and rotate further in an anti-clockwise direction
- The final stop point is the highest setting



3. TURNING THE FIRE OFF

- 3.1 To turn the fire off:
- Turn the control knob clockwise until it is returned to the off position, Diagram 3
- The knob should be upright.



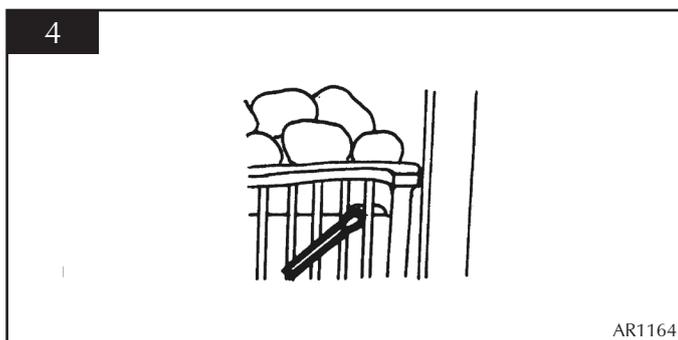
USER INSTRUCTIONS

4. LIGHTING THE FIRE WITH A MATCH

If the pilot does not ignite as described in Section 2, please consult your GAZCO dealer to rectify the problem.

However, the appliance may be lit as a temporary measure using the following procedure:

- 4.1 Press in the control knob and rotate it anti-clockwise until 2 clicks are heard (keep pressing in), apply a lighted match to the pilot hood, see diagram 4.



- 4.2 When the pilot is alight, extinguish the match and continue to depress for 5 to 10 seconds.
- 4.3 The fire may now be controlled as previously described.

5. CLEANING THE FIRE

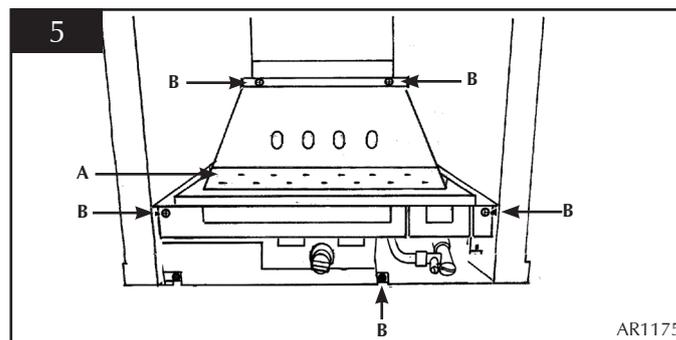
- 5.1 Remove the ceramic coals or pebbles and place on a dry, clean surface. Remove the fuel bed and the burner cover gasket.
- 5.2 Clean the burner and tray assembly using a vacuum cleaner with soft brush attachment, ensure all debris is removed from the burner ports.
- 5.3 Replace the ceramics by referring to section 6.

6. ARRANGEMENT OF FUEL BED COMPONENTS

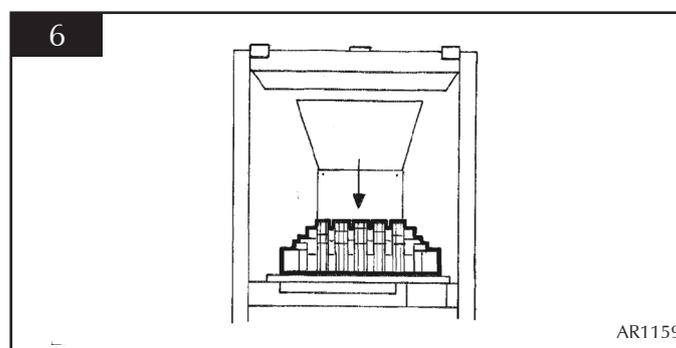
NOTE: CERAMIC PARTS ARE FRAGILE. THE SIDE AND REAR PANELS ARE REVERSIBLE. ONE SIDE IS PLAIN, THE OTHER SIDE IS REEDED. ASK THE CUSTOMER WHICH SIDE IS PREFERRED AT THIS STAGE.

ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS. POINTS 6.1 TO 6.5 ARE COMMON TO ALL FUEL TYPES AND LAYOUTS.

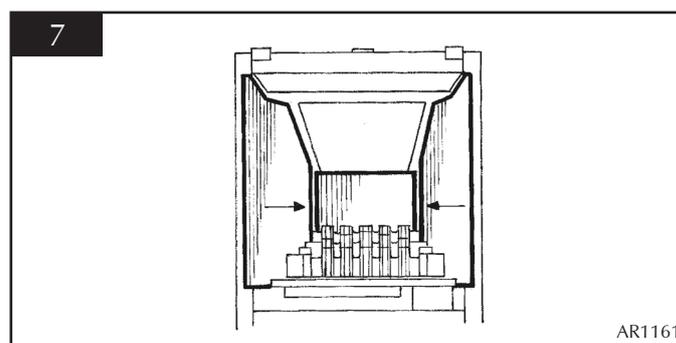
- 6.1 Position the burner cover gasket on the burner skin ensuring the holes align with the ports. Take care as the front left-hand hole is offset compared to the others. See diagram 5, arrow A.



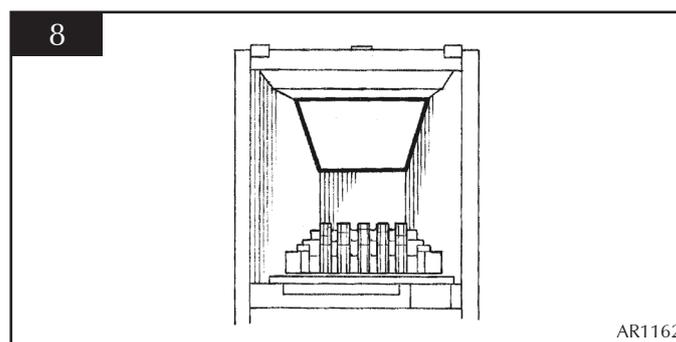
- 6.2 Position the flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin. See diagram 6.



- 6.3 Place the rear panel against the rear of the box and slide the side panels on either side of the flame baffle. Ensure they locate in the brackets at the top of the firebox. DO NOT SLIDE THEM ALL THE WAY BACK. See diagram 7.

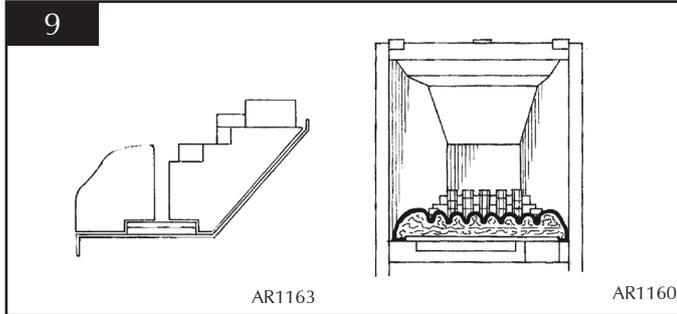


- 6.4 Locate the top panel on top of the rear and side panels. Finally push the sides fully towards the rear panel. This will retain the top panel. See diagram 8.



USER INSTRUCTIONS

- 6.5 Place the front coal centrally in the channel at the front of the tray. See diagram 9. The relationship between the front coal and flame baffle is shown in diagram 9.

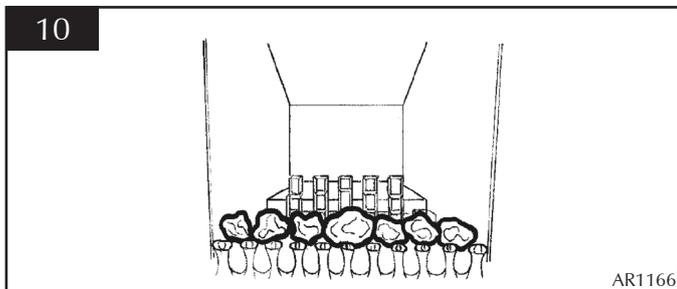


COAL LAYOUT

NOTE: THERE ARE TWO LARGE COALS IN A SEPARATE BAG INSIDE THE MAIN BAG FOR USE WITH A CURVED FRONT (SUCH AS THE HOLYROOD AND RICHMOND) AND NOT FOR A FLAT FRONTED FRAME.

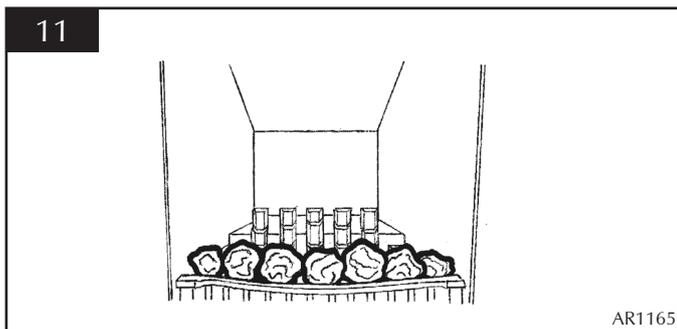
A) FRONT ROW COAL LAYOUT USING FLAT FIRE FRONTS

- 6.6 This first row marks the only difference in coal layout between the flat fronts and curved fronts. Place one large coal centrally on the front coal resting against the frame. Then place three small coals either side. See diagram 10.



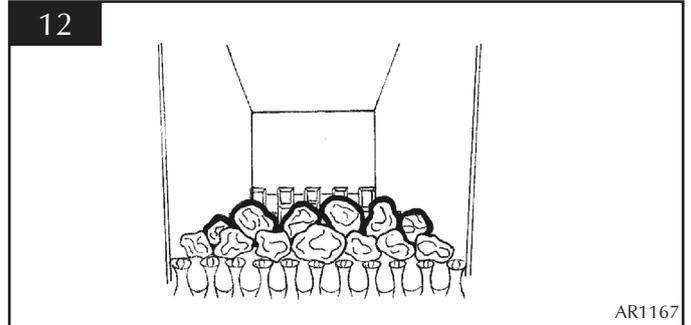
B) FRONT ROW COAL LAYOUT USING CURVED FIRE FRONTS

- 6.7 Place three large coals resting on top of the front coal and against the front of the frame, then place two small coals either side of the large ones. See diagram 11

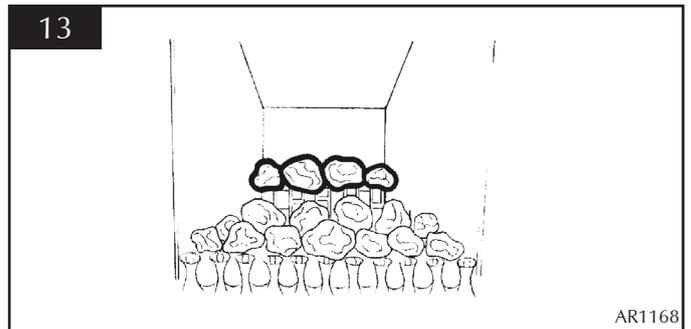


C) COAL LAYOUT CONTINUED FROM FRONT ROW

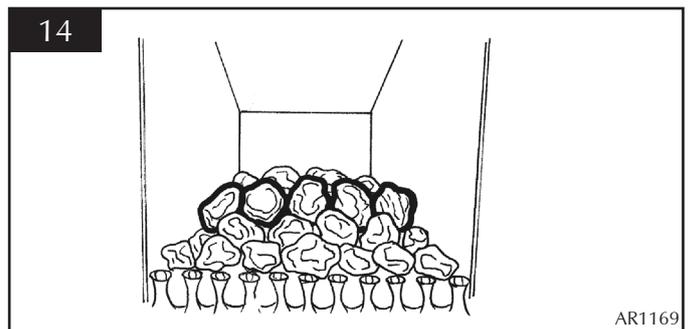
- 6.8 Place four large coals behind the first row and one small coal either end resting up against the side panels. See diagram 12



- 6.9 Place one small coal either side on top of the flame baffle in each rear corner. Then place two large coals in between the two small coals. These coals should touch the rear panel. See diagram 13.



- 6.10 Finally place five large coals between the second and rear row of coals. See diagram 14.

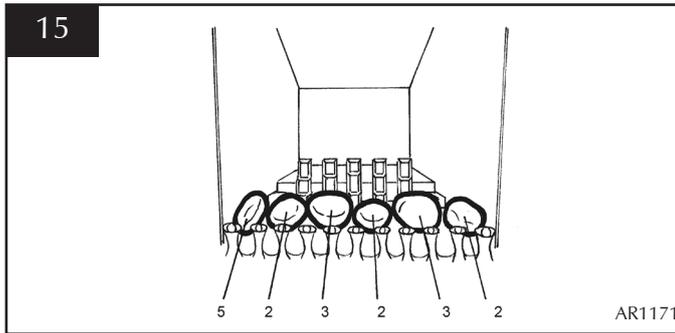


- 6.11 It is essential that gaps are left between the coals to maximise the performance of the appliance.

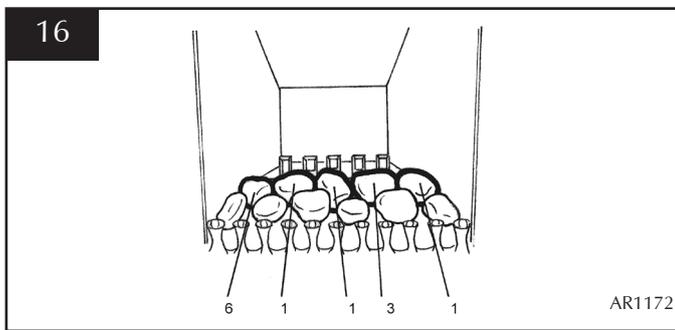
PEBBLE LAYOUT - CURVED AND FLAT FRONTS

- 6.12 **ALL THE PEBBLES HAVE AN ID NUMBER ON THE UNDERSIDE. ENSURE THE PEBBLES ARE PLACED ONLY IN THEIR CORRECT POSITIONS.**
- 6.13 Place the first row of pebbles on top of the front coal resting against the frame front. All the numbers must be placed face down so they cannot be seen. See diagram 15.

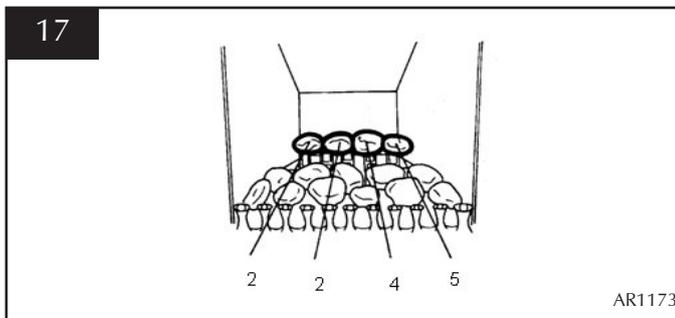
USER INSTRUCTIONS



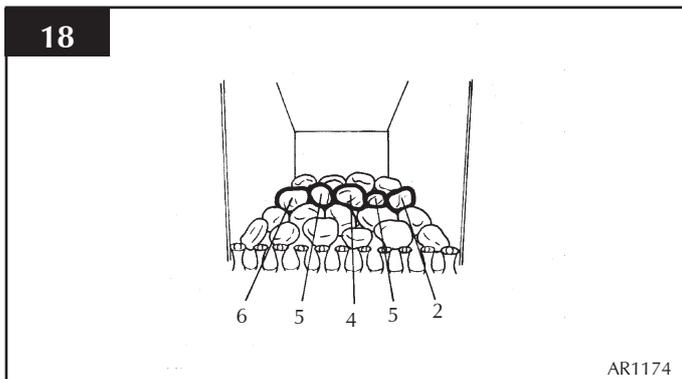
6.14 Working from the outer edges, place the second row of pebbles against the rear of the first row. Note the orientation of each pebble, as this is important to the performance of the fire. See diagram 16.



6.15 Place the rear row of pebbles on top of the flame baffle, these must touch the rear panel. See diagram 17.



6.16 Place the remaining five pebbles between the second and rear rows. See diagram 18.



7. OXYGEN DEPLETION SENSOR

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

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

8. FLAME FAILURE DEVICE

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

9. 'RUNNING IN'

- 9.1 The surface coating on the coals used in your GAZCO fire will 'burn off' during the first few hours of use, producing a harmless and temporary odour. This will disappear after a short period of use. If the odour persists, ask your installer for advice.
- 9.2 During the first few hours of burning there may be discolouration of the flames. This will also disappear after a short period of use.

10. SERVICING

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

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 the appliance. In all correspondence always quote the Model Number and Serial Number.

INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

Covering the following models

Hotbox
 Logic Hotbox Coal NG 101-021
 Logic Hotbox Coal LPG 101-512
 Logic Hotbox Pebble NG 101-372
 Logic Hotbox Pebble LPG 101-788

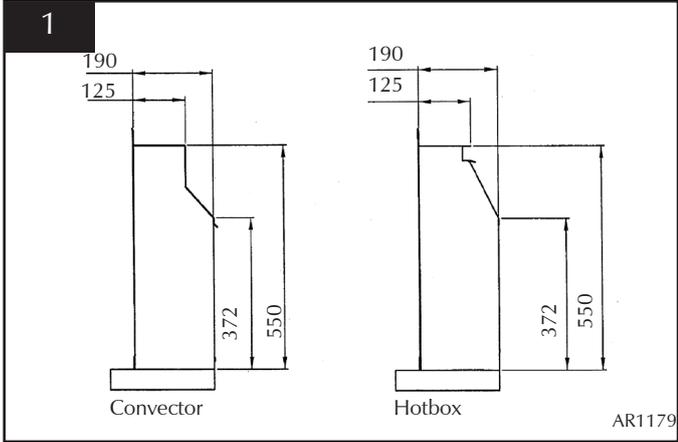
Convector
 Logic Convector Coal NG 101-295
 Logic Convector Coal LPG 101-418
 Logic Convector Pebble NG 101-100
 Logic Convector Pebble NG 101-636

GAS CATEGORY		I _{2H}	I ₃₊	
		Natural	Butane	Propane
Gas Type		G20	G30	G31
Working Pressure		20mb	29mb	37mb
Gross Input kW	High	6.7	6.7	6.7
	Low	3.0	3.0	3.0
Gas Rate m ³ /hr	High	0.64	0.192	0.252
	Low	0.29	0.086	0.113
Nox Class		1	1	
Injector Size		400	180	
Aeration Size		6 x 15	6 x 15 Rear	
			23 x 15 Front	
Min flue size		5" diameter		
Min flue size - pre cast		90mm x 183mm (16,500mm ² min)		
Min flue specification		T260 / N2 / 0 / D / 1		
Gas Inlet		8mm		
Weight (Gross)		19Kg		

APPLICABLE FRONTS		
FRONT	HOTBOX	CONVECTOR
DESIGNIO	8251MA, 8251IR, 8251GP	8251MA, 8251IR, 8251GP
EVOLUTION	8255MB, 8255BS	8257MB, 8257BS
HOLYROOD	8391	8391
	8397	8397
	8150	8150
INFINITI	8249BS	8249BS
PROGRESS	8253MA, 8253IR	8253MA, 8253IR
RICHMOND	N/A	8678
SPANISH	8382, 8385	8382, 8385
	8388, 8153	8388, 8153
VICTORIAN CONVECTOR	N/A	4262, 4263
ART NOUVEAU CONVECTOR	N/A	4264, 4265
COMBINATION CONVECTOR	N/A	4362, 4363
DIMENSION	8681MB	8681MB
ARTS FRONT	8288MB, 8288HP, 8288P, 8288PBR	8288MB, 8288HP, 8288P, 8288PBR
ARTS FRAME	8284MB, 8284PBR, 8284P, 8284BS	8284MB, 8284PBR, 8284P, 8284BS

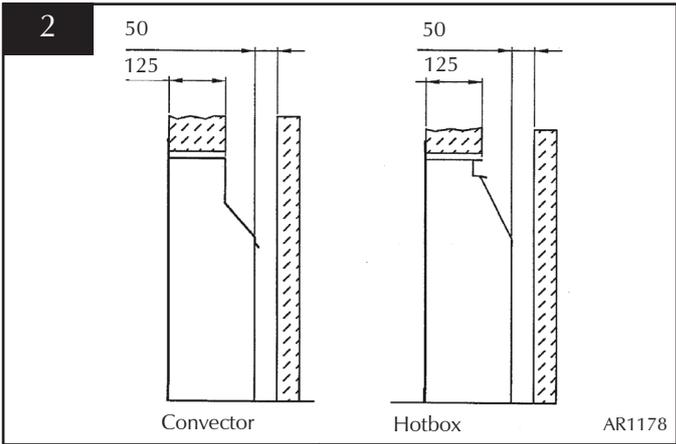
INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

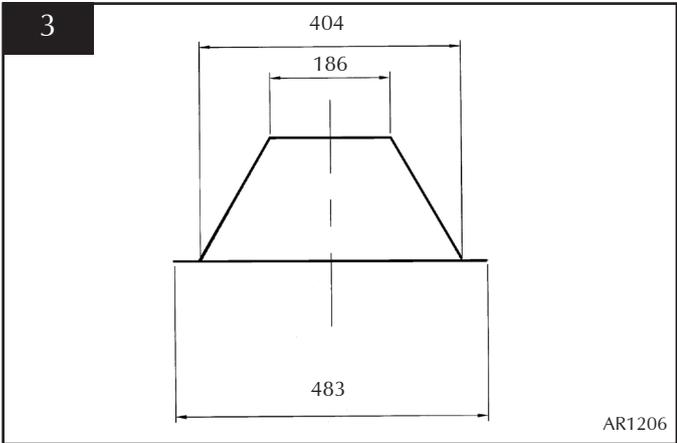


OVERALL EXTERNAL DIMENSIONS
SIDE VIEW

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



OVERALL EXTERNAL DIMENSIONS
PLAN VIEW



INSTALLATION INSTRUCTIONS

SITE REQUIREMENTS

1. FLUE AND CHIMNEY REQUIREMENTS

- 1.1 The chimney or flue system must comply with the rules in force, and must be a minimum of 125mm (5") in diameter. Pre cast flues must conform to BS1289: 1986. The cross sectional area of the flue must be 16500 mm² with a minimum dimension of 90mm.

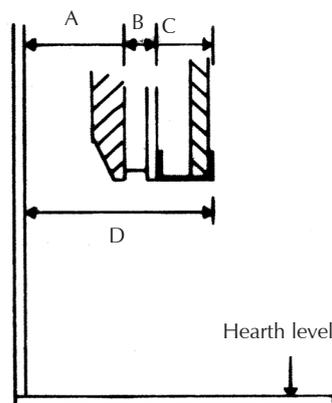
*When fitting the appliance to a pre cast flue, the total minimum depth of fire opening necessary is (D) 215mm. This allows a 25mm space behind the appliance for debris, required on this type of flue system. This is achieved either by using = (A) a 115mm deep starter block + (B) a 25mm plasterboard and sealed space + (C) 75mm Gazco space (part number 8315) with a marble slip or similar, inserted behind the spacer front flange, see diagram 1.

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

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

1

- A = Minimum precast flue starter block depth (115mm).
 B = Plasterboard and adhesive seal all around fire opening.
 C = Gazco spacer (8315)
 D = Minimum total depth including 25mm for debris.



When fitting the Logic Convector fire and a Stovax Cast Iron Convector fireplace to a precast letter box flue with a standard starter block, the 8315 spacer kit will be required, together with an extra deep 142mm rebate surround.

The Combination Convector breast. Fireplace requires a 75mm stud-work chimney breast.

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

Class 1 flues. Chimneys over 9" x 9" must be lined.

A flue restrictor is provided with the Logic convector. This must be fitted when the flue is 9" x 9" or when the flue pull is excessive. This is fitted from inside the appliance across the outlet at the top of the convector box with two screws provided.

- 1.2 The minimum effective height of the flue or chimney must be 3 m (10ft).
- 1.3 The chimney or flue must be free from any obstruction. Any damper plates should be removed or secured in the fully open position, and no restrictor plates should be fitted.
- 1.4 The chimney should be swept immediately prior to the installation of the appliance - unless it can be seen to be clean and unobstructed throughout its entire length.
- 1.5 Ensure that there is a smooth taper transition from the fireplace opening into the chimney or flue.
- 1.6 The flue pull should be checked prior to installation of the appliance. Apply a smoke pellet to the flue or chimney opening and ensure that the smoke is drawn into the opening. If there is not a definite flow, preheat the chimney for a few minutes and re-test the flow.

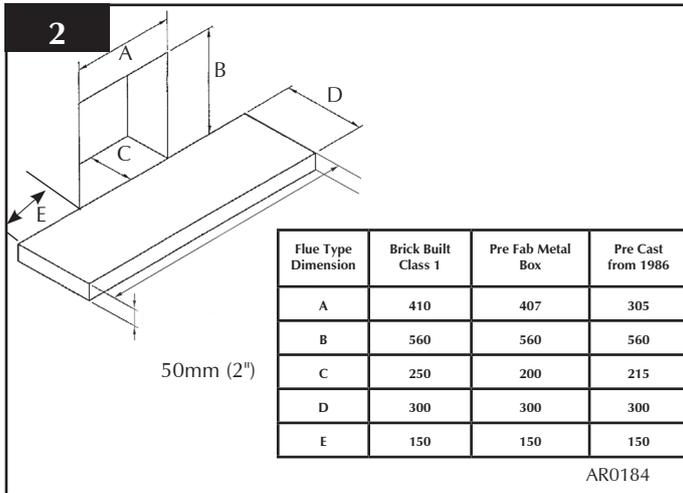
IF THERE IS STILL NO DEFINITE FLOW, THE CHIMNEY MAY REQUIRE ATTENTION - SEEK EXPERT ADVICE.

2. APPLIANCE LOCATION

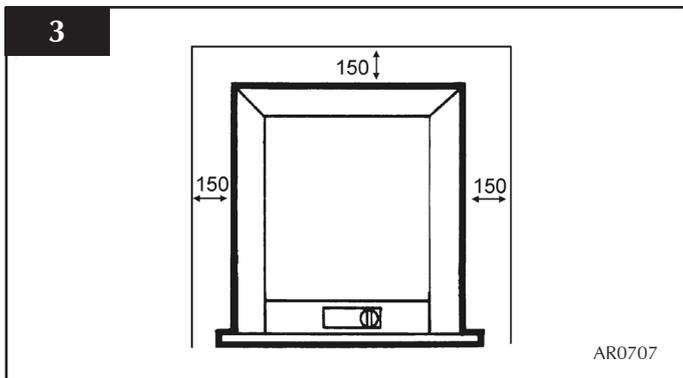
- 2.1 This appliance must stand on a non-combustible hearth that is at least 12mm thick and 50mm thick at least at the periphery.
- 2.2 It must be fitted into a non-combustible opening.
- 2.3 These appliances must be hearth mounted into a fireplace opening conforming to National Standards. The minimum dimensions shall be as shown in diagram 2.

INSTALLATION INSTRUCTIONS

SITE REQUIREMENTS



- 2.4 Ensure that no naked flame or incandescent part of the fire bed projects beyond the vertical plane of the fireplace opening.
- 2.5 The appliance must not be installed in any room that contains a bath or shower.
- 2.6 Ensure clearances to combustible materials - see diagram 3



3. GAS SUPPLY

- 3.1 Before installation, ensure that the local distribution conditions (identification 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 This appliance is supplied complete with a factory fitted isolation device incorporated into the inlet connection, no further isolation device is therefore required.

4. VENTILATION

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

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

If, however, spillage is detected when commissioning the appliance, there may be insufficient natural ventilation and additional ventilation may be required.

For ventilation requirements in the Republic of Ireland, it will be necessary to refer to the relevant rules in force.

AIR VENTS MUST NOT BE RESTRICTED.

INSTALLATION INSTRUCTIONS

INSTALLATION

1. UNPACKING

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

2. SAFETY PRECAUTIONS

- 2.1 This appliance must be installed in accordance with the rules in force, and used only in a sufficiently ventilated space. Please read all instructions before installation and use of this appliance.
- 2.2 These instructions must be left intact with the user.
- 2.3 Do not attempt to burn rubbish on this appliance.
- 2.4 In 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.
- 2.5 Keep all plastic bags away from young children.

3. INSTALLATION OF THE GAS SUPPLY

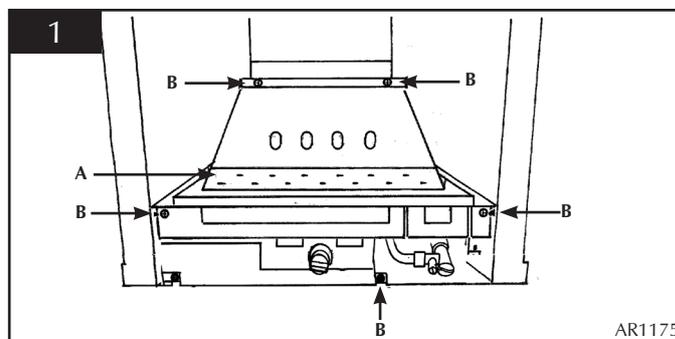
NATURAL GAS @ 20mbar	BUTANE @ 29mbar PROPANE @ 37mbar
101-021	101-512
101-372	101-788
101-295	101-418
101-100	101-636

TO CHANGE FROM ONE GAS TYPE TO ANOTHER A COMPLETE ENGINE ASSEMBLY WILL BE REQUIRED.

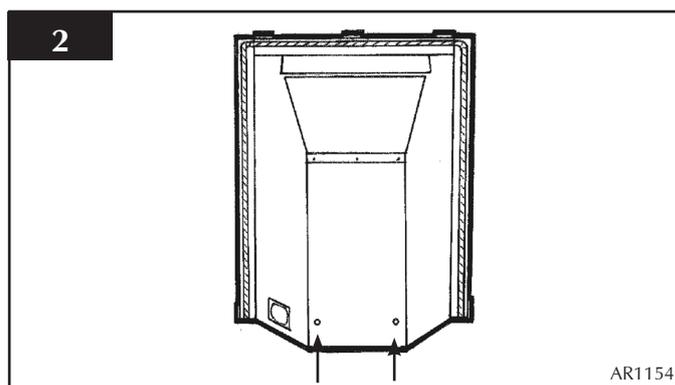
- 3.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible. See table above.
- 3.2 Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force. Please refer to the technical specification for the correct working pressure for the gas used.
- 3.3 Soft copper tubing and soft soldered joints can be used but must not be closer than 50mm (2") to the underside of the burner.
- 3.4 An isolation device is provided with the appliance.
- 3.5 All supply gas pipes must be purged of any debris that may have entered, prior to connection to the appliance.

5. PREPARING THE APPLIANCE

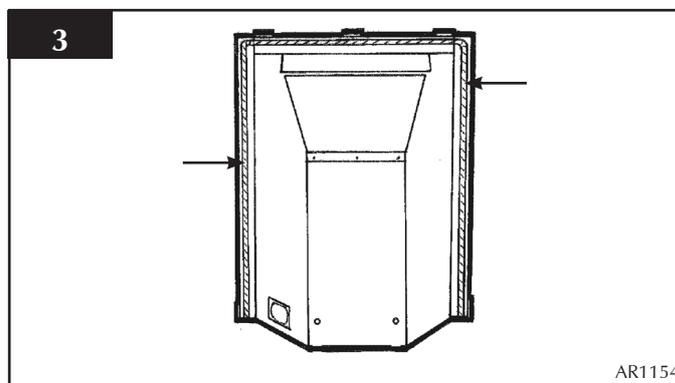
- 5.1 Remove the 5 burner retaining screws and withdraw the burner unit from its location. See diagram 1, arrows B



- 5.2 Decide on the retention method. If cable fixings are to be used, remove the two knockout holes on the rear of the box, using a sharp hammer blow. See diagram 2.



- 5.3 Remove the backing from the self-adhesive silicone sealing strip and apply to the rear flange of the firebox ensuring that it is positioned as close to the outer edge as is practically possible. See diagram 3.



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

INSTALLATION INSTRUCTIONS

INSTALLATION

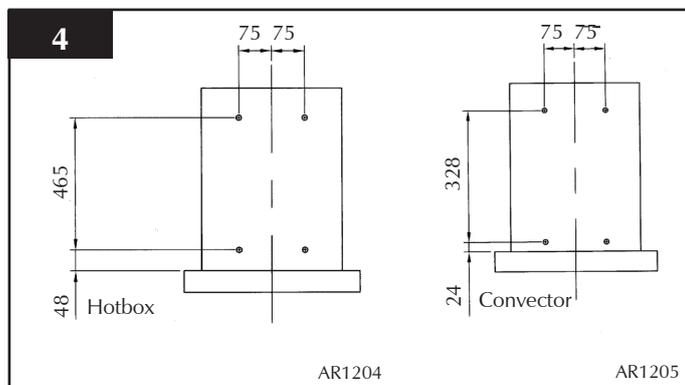
A means of isolation is provided with the appliance. This must be fitted to the supply pipe prior to installing the firebox.

6. INSTALLATION OF THE APPLIANCE

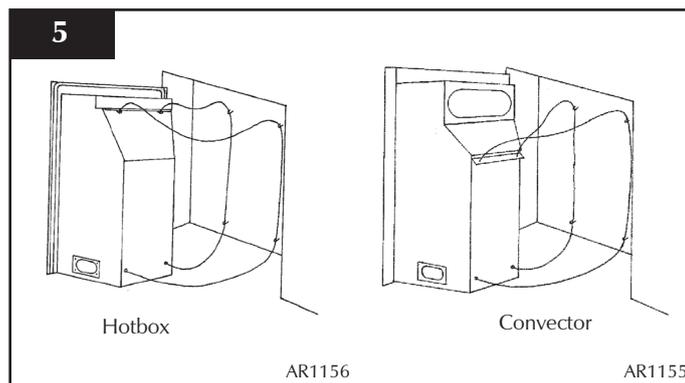
- 6.1 Ensure that the fireplace opening is in compliance with the requirements of section 2 Site Requirements then proceed as follows:

A) CABLE RETENTION METHOD

- 6.2 Mark the position of the 4 fixing holes on the rear of the fireplace opening and drill the holes using a No. 12 masonry drill bit. Insert the 4 fibre rawl plugs and screw the eyebolts in as far as possible leaving the eye horizontal. See diagram 4.



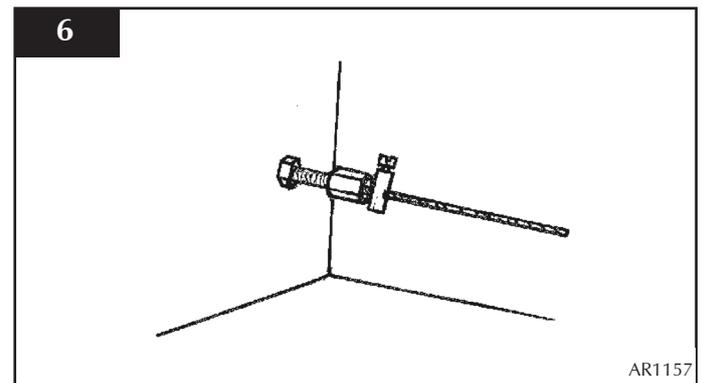
- 6.3 Pass the 2 cables through the holes in the bracket on the back of the firebox and pull taut so that the stop ends sit tightly against the top of the bracket. See diagram 5.



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

maximum adjustment).

- 6.6 Slide the locking nipples onto the cables, pull the cables taut and tighten the locking screw. Adjust the lock nuts using a 10mm spanner until the silicone sealing strip forms a tight seal between the fireplace opening and the firebox flange. See diagram 6.

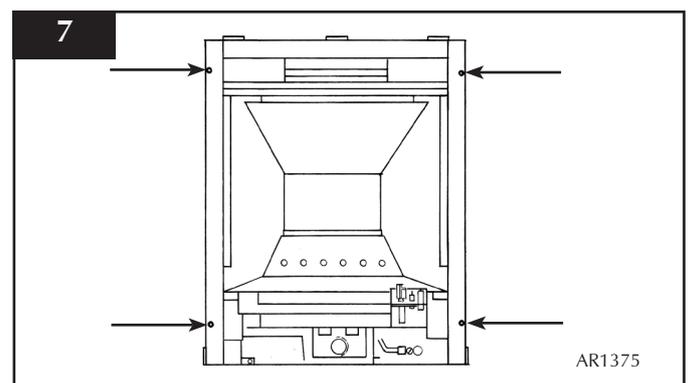


- 6.7 Coil up the surplus cable and locate in the back of the fire box.

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

B) SCREW FIXING METHOD

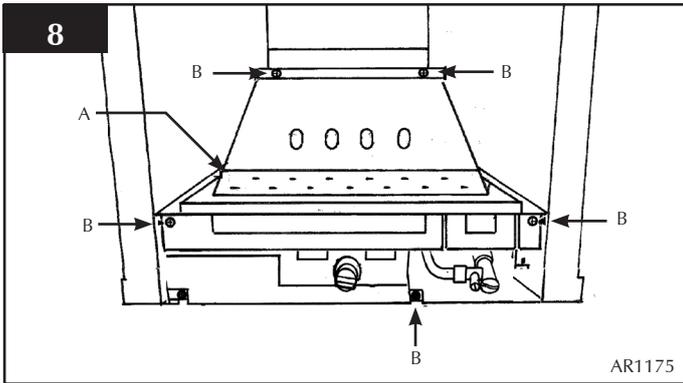
- 6.8 Alternatively, this appliance can be secured back to the fire place opening using the screws and rawl plugs provided. Place the firebox centrally in the opening and mark the positions of the 4 fixing holes. Drill the holes and insert the 4 rawl plugs. See diagram 7.



- 6.9 Offer the firebox into the opening and ensure that the gas supply pipe passes through the rubber seal.
- 6.10 Refit the burner assembly and secure the 5 pozidriv screws. Connect the gas supply to the inlet connection on the burner unit and tighten. It may be necessary to support the inlet connection with another spanner whilst tightening this joint. See diagram 8 arrow B.

INSTALLATION INSTRUCTIONS

INSTALLATION



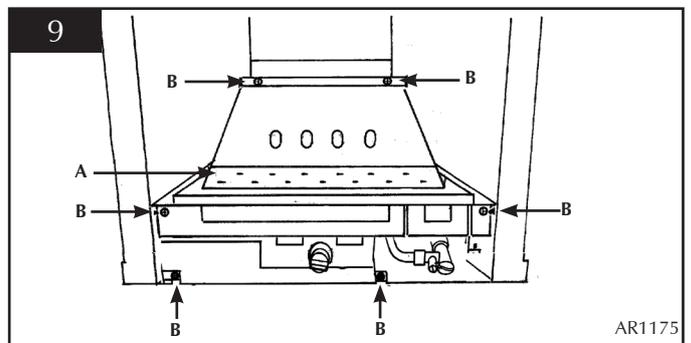
- 6.11 Turn on the gas supply to the appliance and check for leaks. Light the fire and check all joints on the appliance for leaks.
- 6.12 Remove the sealing screw from the inlet connection and connect a suitable "U" gauge manometer. Light the fire and turn to the maximum position, refer to the data badge and ensure that the running pressure is correct. If the pressure varies significantly from that on the data badge, this may indicate a supply problem and will require immediate attention.
- 6.13 Turn the appliance off, disconnect the "U" gauge and replace the sealing screw. Relight the appliance and check the sealing screw for leaks.

7. ARRANGEMENT OF FUEL BED COMPONENTS

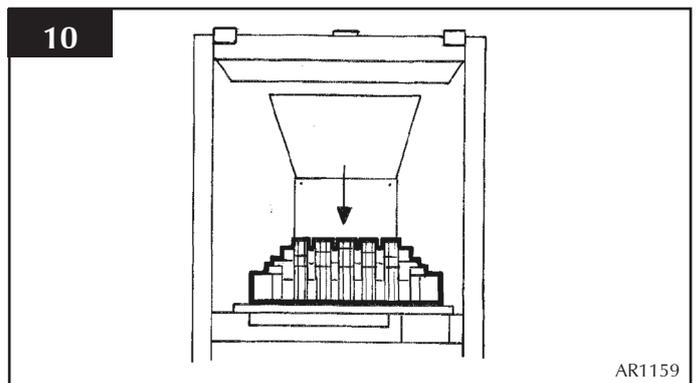
NOTE: CERAMIC PARTS ARE FRAGILE. THE SIDE AND REAR PANELS ARE REVERSIBLE. ONE SIDE IS PLAIN, THE OTHER SIDE IS REEDED. ASK THE CUSTOMER WHICH SIDE IS PREFERRED AT THIS STAGE.

ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS. POINTS 7.1 TO 7.5 ARE COMMON TO ALL FUEL TYPES AND LAYOUTS.

- 7.1 Position the burner cover gasket on the burner skin ensuring the holes align with the ports. Take care as the front left-hand hole is offset compared to the others. See diagram 9, arrow A.



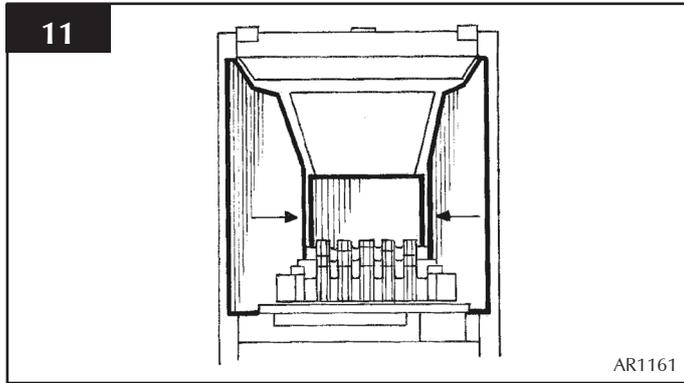
- 7.2 Position the flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin. See diagram 10.



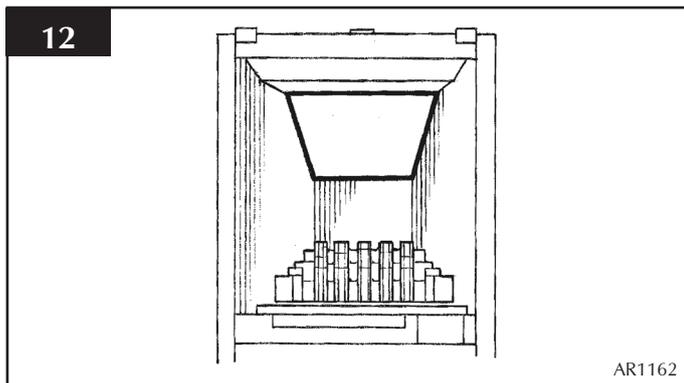
INSTALLATION INSTRUCTIONS

INSTALLATION

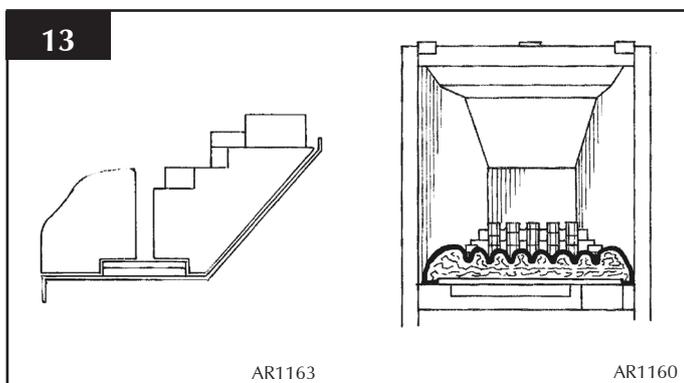
- 7.3 Place the rear panel against the rear of the box and slide the side panels on either side of the flame baffle. Ensure they locate in the brackets at the top of the firebox. **DO NOT SLIDE THEM ALL THE WAY BACK.** See diagram 11.



- 7.4 Locate the top panel on top of the rear and side panels. Finally push the sides fully towards the rear panel. This will retain the top panel. See diagram 12.



- 7.5 Place the front coal centrally in the channel at the front of the tray. See diagram 13. The relationship between the front coal and flame baffle is shown in diagram 13.

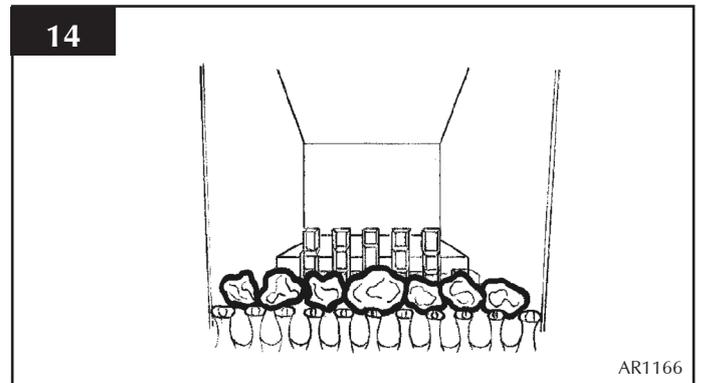


COAL LAYOUT

NOTE: THERE ARE TWO LARGE COALS IN A SEPARATE BAG INSIDE THE MAIN BAG FOR USE WITH A CURVED FRONT (SUCH AS THE HOLYROOD AND RICHMOND)

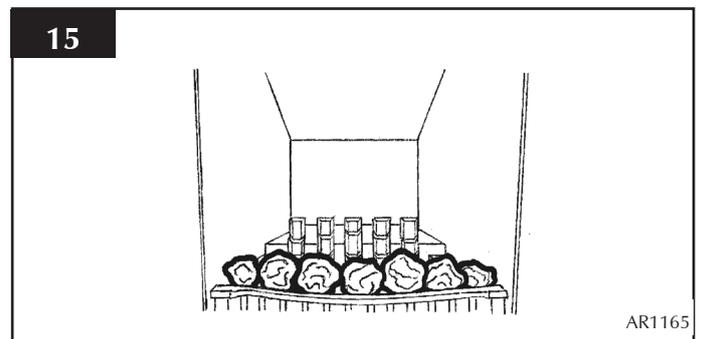
AND NOT FOR A FLAT FRONTED FRAME. FRONT ROW COAL LAYOUT USING FLAT FIRE FRONTS

- 7.6 The front row is the only difference in coal layout. Place one large coal centrally on the front coal resting against the frame. Then place three small coals either side. See diagram 14.



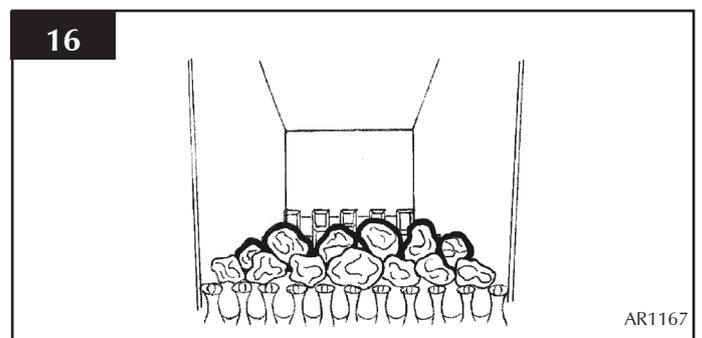
FRONT ROW COAL LAYOUT USING CURVED FIRE FRONTS.

- 7.7 Place three large coals resting on top of the front coal and against the front of the frame, then place two small coals either side of the large ones. See diagram 15.



COAL LAYOUT CONTINUED FROM FRONT ROW

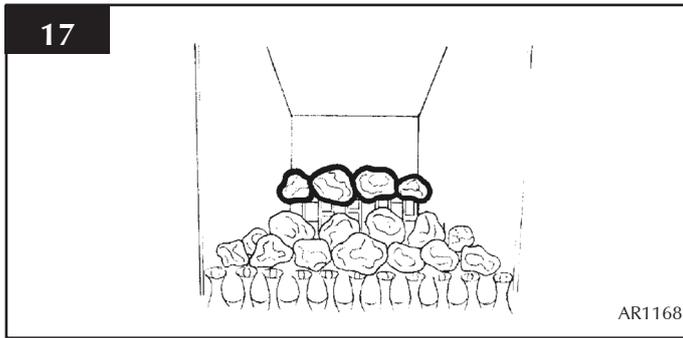
- 7.8 Place four large coals behind the first row and one small coal either end resting up against the side panels. See diagram 16.



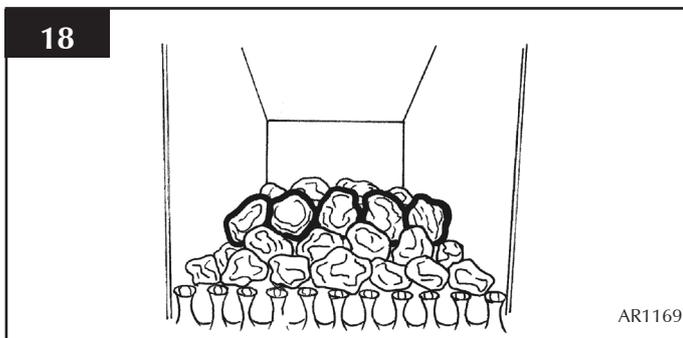
- 7.9 Place one small coal either side on top of the flame baffle in each rear corner. Then place two large coals in between the two small coals. These coals should touch the rear panel. See diagram 17.

INSTALLATION INSTRUCTIONS

INSTALLATION



7.10 Finally place five large coals between the second and rear row of coals. See diagram 18.

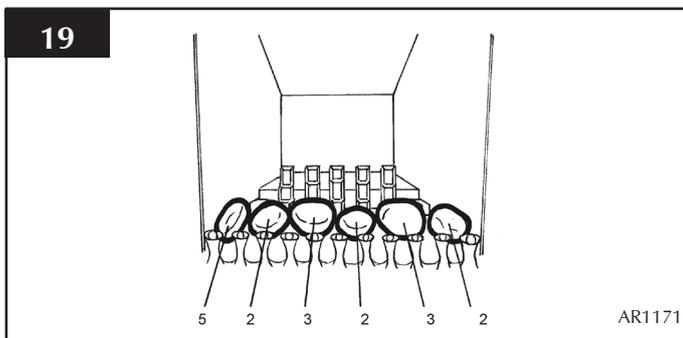


7.11 It is essential that gaps are left between the coals to maximise the performance of the appliance.

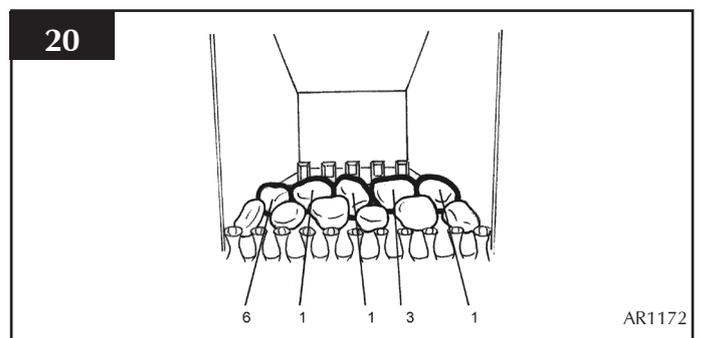
PEBBLE LAYOUT - CURVED AND FLAT FRONTS

7.12 **ALL THE PEBBLES HAVE AN ID NUMBER ON THE UNDERSIDE. ENSURE THE PEBBLES ARE PLACED ONLY IN THEIR CORRECT POSITIONS.**

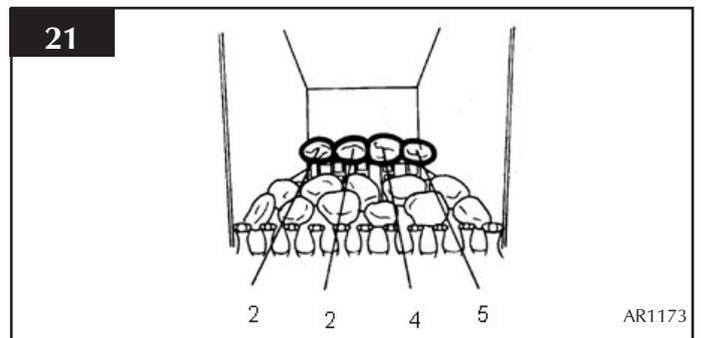
7.13 Place the first row of pebbles on top of the front coal resting against the frame front. All the numbers must be placed face down so they cannot be seen. See diagram 19.



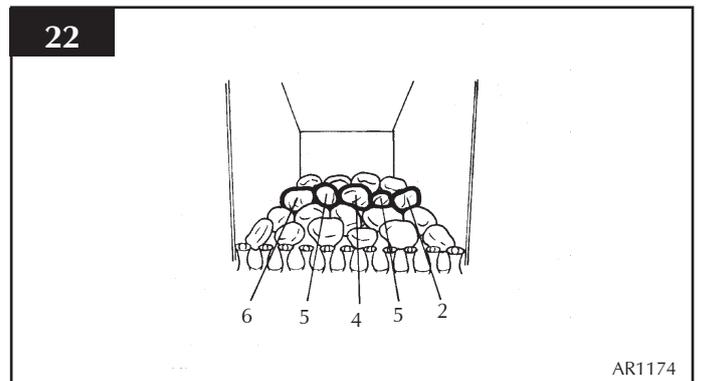
7.14 Working from the outer edges, place the second row of pebbles against the rear of the first row. Note the orientation of each pebble, as this is important to the performance of the fire. See diagram 20.



7.15 Place the rear row of pebbles on top of the flame baffle, these must touch the rear panel. See diagram 21.



7.16 Place the remaining five pebbles between the second and rear rows. See diagram 22

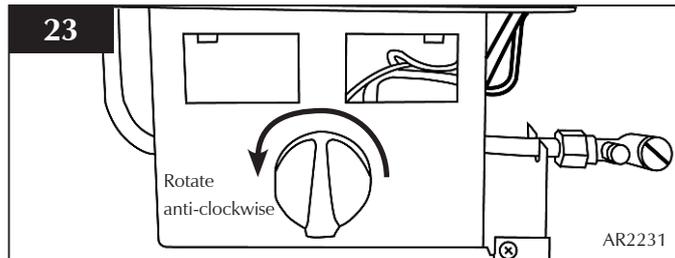


INSTALLATION INSTRUCTIONS

INSTALLATION / COMMISSIONING

8. LIGHTING THE FIRE

- 8.1 Locate the control valve on the fire.
- Push the valve knob in and rotate anti-clockwise until two clicks are heard
The pilot should now be lit
 - Hold in for a further 10 seconds
When released the pilot should remain lit

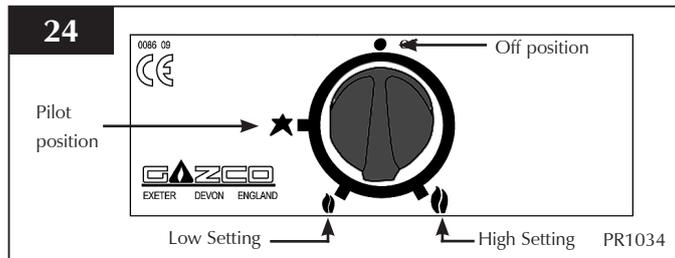


If the pilot does not remain lit, repeat until the operation is successful.

8.2 Adjusting the settings

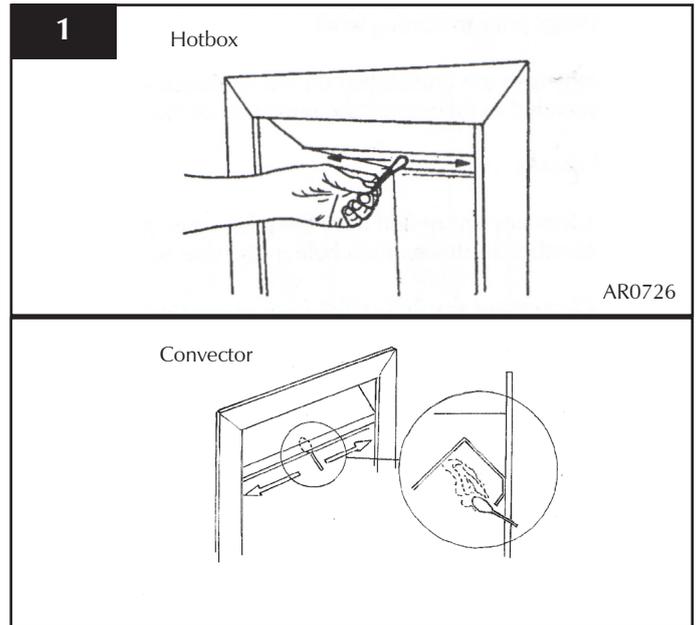
From the pilot position:

- Push the valve knob in slightly and rotate anti-clockwise until the first stop point is felt
This denotes the lowest setting.
- Push the valve knob in slightly and rotate further in an anti-clockwise direction
The final stop point is the highest setting



1. COMMISSIONING

- 1.1 Close all windows and doors to the room, check all controls, and allow fire to burn on maximum for 5 minutes. Test for spillage of flue products using a smoke match. Pass the lighted smoke match along the top front edge just inside the opening or canopy. See diagram 1.



- 1.2 If the fire spills, run for a further 10 minutes and re-check. If the flue restrictor plate has been fitted to the fire this can be removed to assist flue flow if required. (Convector only)
- 1.3 If there are extractor fans in the room or adjacent rooms, the spillage test must be repeated with the extractors running on maximum.

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

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

SERVICING INSTRUCTIONS

SERVICING

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 Gas Safe recommendations.

- 1.1 Before any tests are undertaken on the appliance, conduct a gas soundness test for the property to ensure that there are no gas leaks prior to starting work.
- 1.2 Before any tests are undertaken on the appliance it is also recommended to fully check the operation of the 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 recommission the appliance conducting the usual safety checks.
- 1.5 Advise the customer of any remedial action taken.
- 1.6 As part of the annual service, the space behind the firebox must be inspected for any debris, which may have fallen down the chimney.
- 1.7 Remove the gas fire from the firebox as detailed below.
- 1.8 Inspect the space behind the firebox for debris and the condition of the chimney, the flue flow test should be carried out now. Remove any debris and carry out any necessary remedial work.

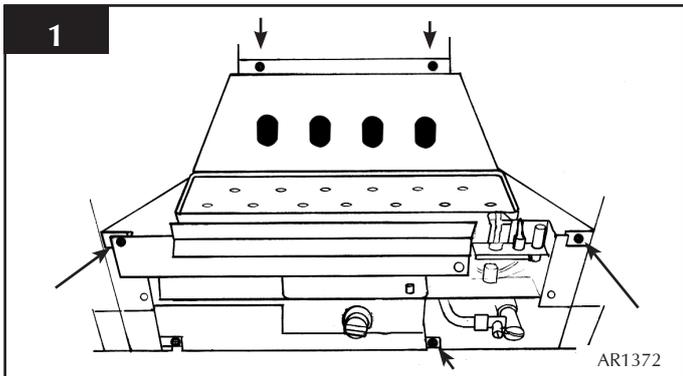
SERVICING INSTRUCTIONS

REPLACING PARTS

1. GENERAL

In order to service any of the following parts on the appliance, it will be necessary to remove the burner unit from the firebox. To remove the burner unit proceed as follows.

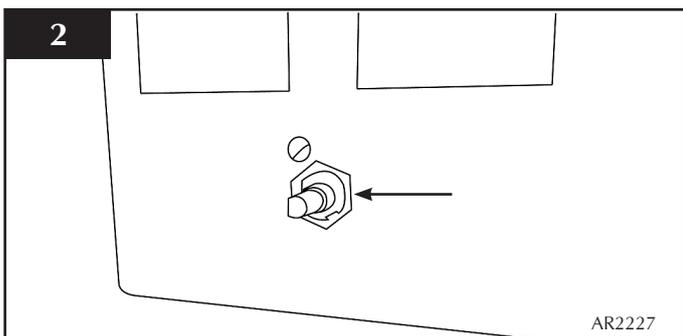
- 1.1 Turn off the gas supply at the isolation device located under the appliance.
- 1.2 Disconnect the gas supply pipe leaving the isolation device on the supply pipe and not the appliance.
- 1.3 Remove the loose coals or pebbles and place on a dry clean surface.
- 1.4 Remove the decorative frame, fret and ash cover. There are two screws securing the frame to the appliance. Refer to frame instructions.
- 1.5 Remove the front coal, flame baffle and all the ceramic liners. All these items are very fragile so store them carefully.
- 1.6 Remove the five screws securing the burner unit to the firebox. See diagram 1.



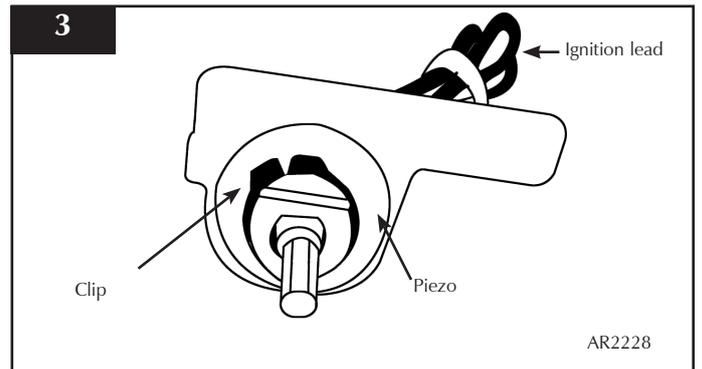
- 1.7 The burner unit can now be removed.

2. IGNITION LEAD AND PIEZO

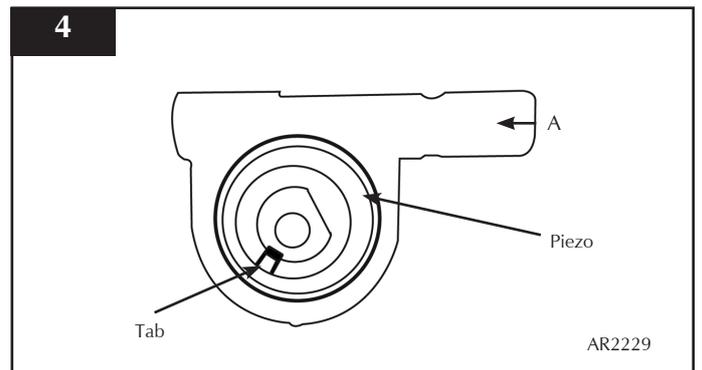
- 2.1 The Ignition lead and Piezo on this fire are part of one complete unit and must be replaced at the same time. To replace the unit:
 - Remove the control knob on the front of the valve cover
 - Undo the nut securing the valve, Diagram 2.



- 2.2 Disconnect all other valve connections on the rear of the valve
- 2.3 The valve will now come off.
- 2.4 Remove the clip from around the front of the valve, Diagram 3



- Rotate the Piezo anti-clockwise until the tab appears in the slot at the front, Diagram 4



- Withdraw forward from the bracket
- Replace with a new ignition unit in reverse order
- Replace the valve and refit the burner
- Check the operation of the new ignition lead.
- Replace the fire frame.

4. ODS PILOT UNIT

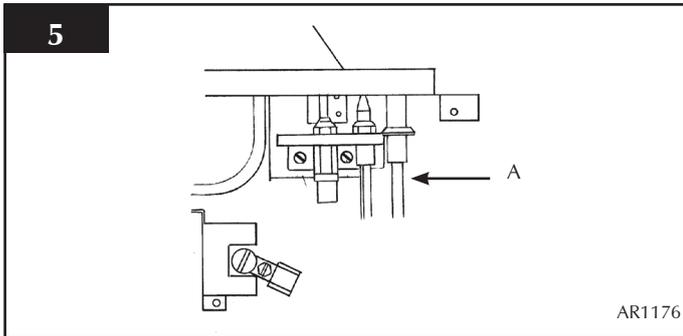
Note: The pilot unit on the appliance is a non serviceable unit due to the complex nature of its manufacture. Replacement of the complete unit must be carried out when one of the following items becomes faulty:

Pilot injector
Ignition electrode
Thermocouple

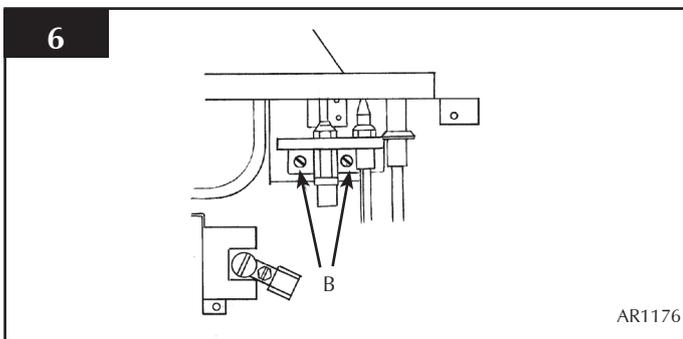
- 4.1 Remove the fire, refer to section 1.
- 4.2 Gently pull the ignition lead off the electrode. See diagram 5 arrow A.

SERVICING INSTRUCTIONS

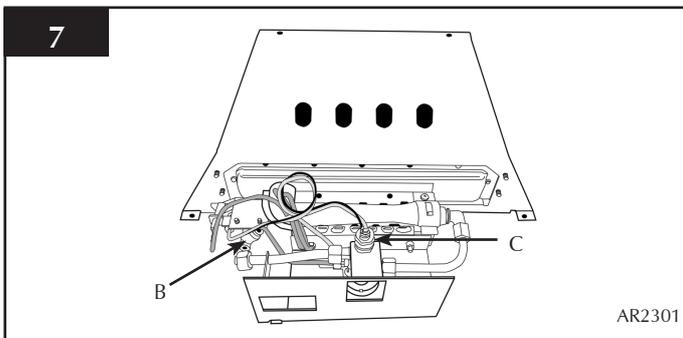
REPLACING PARTS



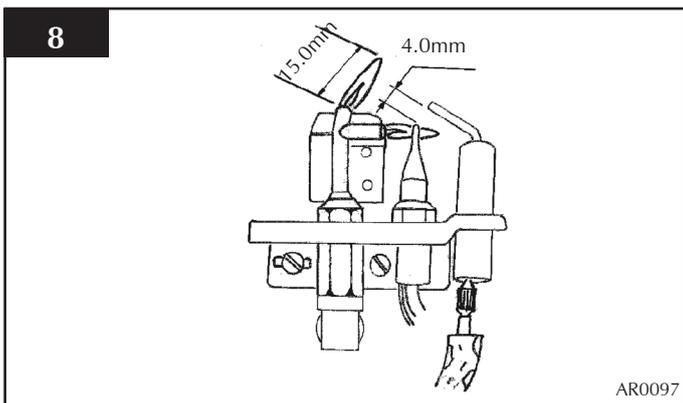
4.3 Remove the two screws securing the pilot assembly. See diagram 6 arrow B.



4.4 Undo the thermocouple connection at the back of the gas valve and the pilot pipe at the pilot elbow. See diagram 7 arrows B and C.



4.5 Replace with a new pilot assembly, set the spark gap. See diagram 8.

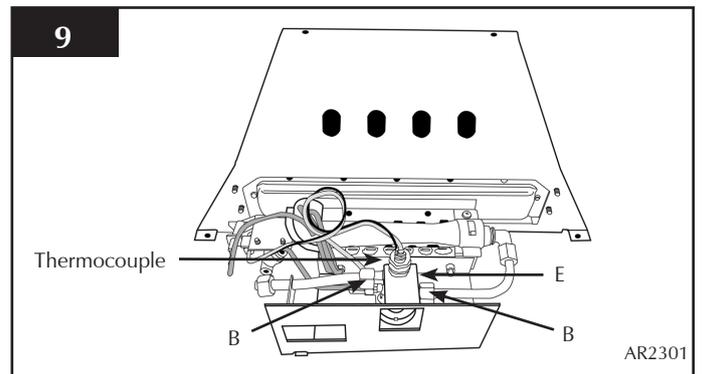


4.6 After reassembly, check for gas soundness and carry out a flame failure functional check details in the flow chart, especially the mag drop out time.

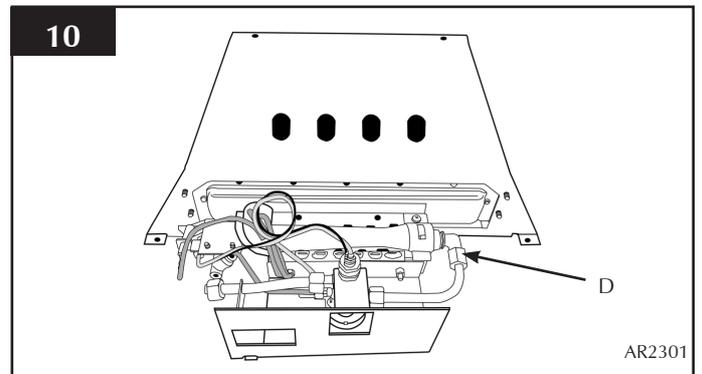
5. GAS VALVE

5.1 Remove the fire, refer to section 1.

5.2 Disconnect the 2x8mm and 1x4mm gas pipe fittings at the back of the gas valve and also disconnect the thermocouple, see diagram 9 arrows B and E.



5.3 Disconnect the injector nut. See diagram 10 arrow D.



5.4 Undo the lock nut securing the gas valve (Diagram 2) to the burner and remove the valve.

5.5 Replace in reverse order.

5.6 Check all joints for gas leaks, check operation of the thermocouple and ignition lead.

6. MAG UNIT

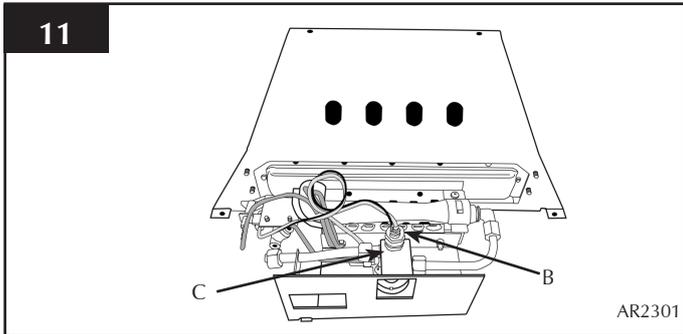
6.1 Remove the burner, refer to section 1.

6.2 Undo the thermocouple nut. See diagram 11 arrow B.

6.3 Undo the mag unit retaining nut at the back of the control valve behind the thermocouple nut, diagram 11 arrow C.

SERVICING INSTRUCTIONS

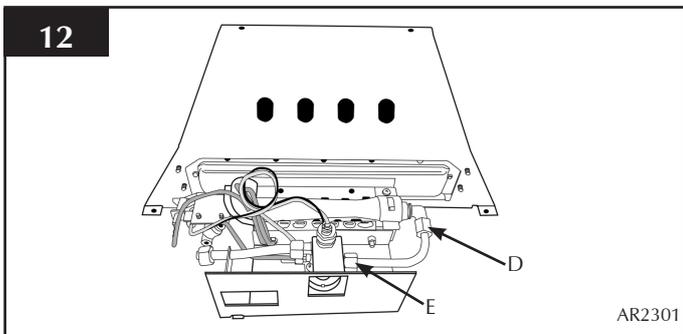
REPLACING PARTS



- 6.4 After removing the retaining nut, the mag unit can be tapped out and a replacement fitted.
- 6.5 Replace the mag unit retaining nut and tighten. Note - this is a gas-tight seal.
- 6.6 Replace the thermocouple and check for gas leaks.
- 6.7 After reassembly, carry out the flame failure functional check as detailed in the flow chart, especially the mag unit drop out time.

7. MAIN INJECTOR

- 7.1 Remove the burner, refer to section 1.
- 7.2 With the burner removed, undo the injector compression nut and valve nut (see diagram 12 arrows D and E), pull the pipe clear of the injector body.



- 7.3 Rotate the injector until it is fully removed.
- 7.4 Replace with the correct replacement injector. When ordering, always state the model, gas type and serial number.
- 7.5 Reassemble and turn the gas supply on, check for any leaks.

8. CHANGING BETWEEN GAS TYPES

The following parts must be changed when converting an appliance from one gas type to another:

Burner assembly NG Hotbox GZ8494
 NG Convector GZ8520
 LPG Hotbox GZ8496
 LPG Convector GZ8523

Data badge PR0393L

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

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

9. SPARES PART LISTS

CERAMICS	
FRONT COAL - BLACK	CE0400
FRONT COAL - GREY	CE0401
FLAME BAFFLE - BLACK	CE0402
FLAME BAFFLE - GREY	CE0403
BURNER COVER GASKET	CE0273
CONVECTOR SIDE LH	CE0408
CONVECTOR SIDE RH	CE0409
CONVECTOR REAR PANEL	CE0410
CONVECTOR TOP PANEL	CE0411
HOTBOX SIDE LH	CE0404
HOTBOX SIDE RH	CE0405
HOTBOX REAR PANEL	CE0406
HOTBOX TOP PANEL	CE0407
COAL SET	CE0412
PEBBLE SET	CE0455
NATURAL GAS PARTS	
MAIN INJECTOR	IN0007
PILOT ASSEMBLY	PI0036
GAS VALVE	GC0161
LPG PARTS	
MAIN INJECTOR	IN0025
PILOT ASSEMBLY	PI0037
GAS VALVE	GC0162
MISCELLANEOUS	
IGNITION LEAD & PIEZO	GC0159
MAG UNIT	GC0160

SERVICE RECORDS

1ST SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

2ND SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

3RD SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

4TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

5TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

6TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

7TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

8TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

9TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

10TH SERVICE

Date of Service:
Next Service due:
Signed:
Dealer's Stamp

