



# ***F40 Avanti***

## ***Conventional Flue Coal Effect Stove***

### **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 appliance. This appliance must only be operated with the glass door secured firmly in position. The front casing of this appliance will become hot whilst in operation, it is therefore recommended that a suitable guard should be used for the protection of young children, the elderly or infirm.**

**Please read these Instructions carefully before installation or use.  
Keep them in a safe place for future reference and 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

8685MCSC - P8685MCSC

8685MMCSC - P8685MMCSC

8685HMCSC - P8685HMCSC

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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 <sup>3</sup> /h	
5. Does ventilation meet appliance requirements		
6. Has the remote hand set been tuned to the control box	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.....

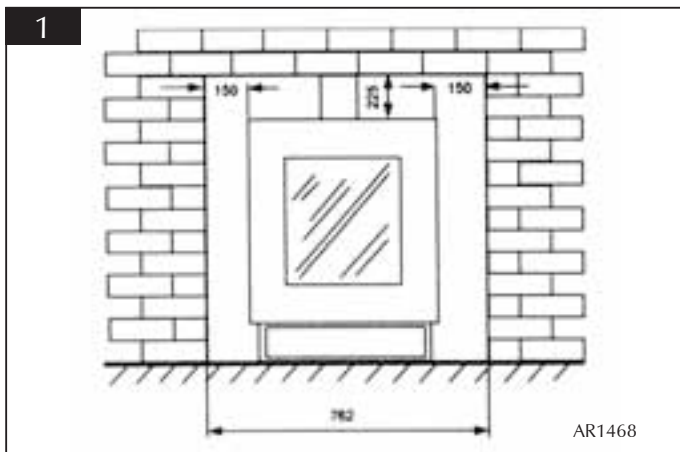
Gas Type.....

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 (IS813:1996)
- 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 that 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.

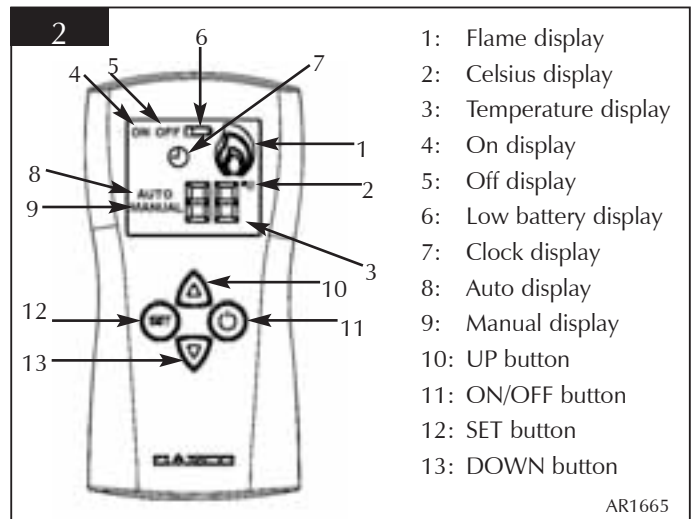


- 1.11 Contact a competent service engineer to carry out relevant spillage checks etc. following home improvements carried out after installation of this stove (e.g. the fitting of double glazing).
- 1.12 In all correspondence, please quote the appliance type and serial number which can be found on the 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. **Please ensure the commissioning checklist is completed by your installer, as this is a requirement of your Guarantee.**

## 2. LIGHTING THE F40 AVANTI WITH HAND SET

### 2.1 To ignite the F40 Avanti

The Gazco F40 Avanti has a fully automatic battery operated gas control which can be lit using the hand set or touch pad. The touch pad is located on the lower front panel of the appliance, behind the main door.



- 2.1.1 Before the fire can be lit the remote control must be in the manual mode. See diagram 2. Refer to section 2.6 to change to manual mode.
- 2.1.2 Press the ON / OFF button (11). The word ON appears in the display (4).
- 2.1.3 Press the SET button (12). The pilot light should now light. This should take about 10 seconds. If the pilot fails to light press the ON / OFF button (11) and then the SET button (12) then repeat the above sequence.
- 2.1.4 A single flame will appear on the display (1). When this has stopped flashing, an audible click is heard. You are now ready to adjust the flame height.

# USER INSTRUCTIONS

**IF THE FIRE IS EXTINGUISHED OR GOES OUT IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT THE FIRE. THE CONTROL VALVE HAS AN INTERLOCK DEVICE AND THEREFORE CANNOT BE LIT UNTIL THE 3 MINUTES HAVE ELAPSED.**

## 2.2 To adjust the flame height

Once the pilot has been lit the main burner can be lit and adjusted.

- 2.2.1 Press the (▲) UP button (10). The flame symbol (1) will show one extra flame. This is to indicate the burner is on its lowest position.
- 2.2.2 Press the same button again and the burner will be in the medium position.
- 2.2.3 Press the button again and the burner will be in the maximum position.
- 2.2.4 Press the (▼) DOWN button (13) one step at a time and this will reduce the burner from maximum to medium then to minimum.
- 2.2.5 If the (▼) DOWN button is pressed once more, only the pilot will remain alight.

## 2.3 To turn the F40 Avanti off

The F40 Avanti can be turned off with the flames in any position, ie minimum, medium or maximum. It can also be turned off from the pilot only position.

- 2.3.1 Press the ON / OFF button (11) the word OFF appears in the display.
- 2.3.2 Press the SET button (12) and the fire will turn off.

**NOTE:** The pilot can be left on if so desired

## 2.4 To change from Manual to Automatic mode

- 2.4.1 The hand set display will show the word MANUAL (8)
- 2.4.2 Press the SET button (12) once and the word AUTO will flash.
- 2.4.3 Press the SET button (12) again and the word AUTO will stop flashing.
- 2.4.4 The room temperature display is now flashing and ready to be set.

## 2.5 To set the room temperature

- 2.5.1 Following on from section 2.4, once the room temperature is flashing on the display, it can be set.
- 2.5.2 Press either the (▲) button (10) or the (▼) button (13) to either increase or decrease the temperature.
- 2.5.3 Press the SET button (12) once you have set the temperature as desired.

If the SET button (12) is not pushed the temperature display will stop flashing and remain unchanged.

## 2.6 To change from Automatic to Manual mode.

- 2.6.1 The hand set display will show AUTO (8).
- 2.6.2 Press the SET button (12) once and the word MANUAL will flash.
- 2.6.3 Press the SET button (12) again and the word MANUAL will stop flashing.

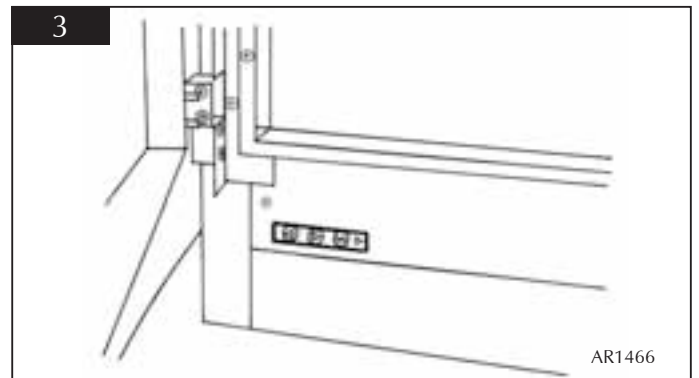
You are now in Manual mode.

## 2.7 Low battery display (Hand Set)

The low battery symbol (6) will appear on the hand set when the batteries require replacement.

## 2.8 Lighting the F40 Avanti (Touch Pad)

- 2.8.1 The touch pad is located behind the main door. To open the door, press the lower right hand corner of the door until a click is heard, open the door and the touch pad can be seen. See diagram 3.



- 2.8.2 Press the ON / OFF button (A) once and the red LED will flash. The pilot will now light. This should take about 10 seconds. If the pilot does not light press the ON / OFF button again to reset the control unit and repeat step 1 above. Before the burner can be lit wait for the audible click. See diagram 4.

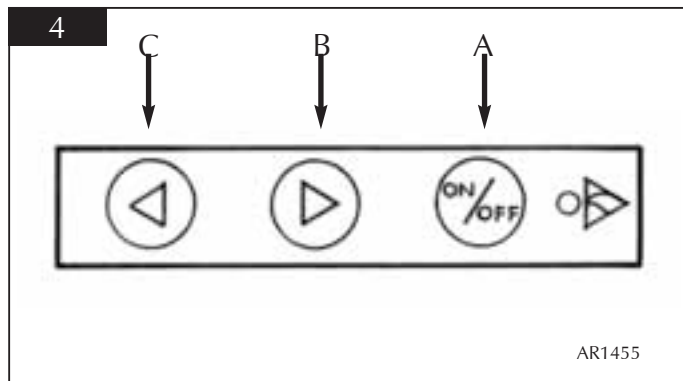
## 2.9 To adjust the flame height (Touch Pad)

- 2.9.1 Once the pilot has lit press the Up (▲) button (B) and the burner will light. See diagram 4.
- 2.9.2 Press either of the (▲▼) buttons (B / C) to adjust the height of the flames. See diagram 4.

# USER INSTRUCTIONS

## 2.10 To turn the F40 Avanti off (Touch Pad)

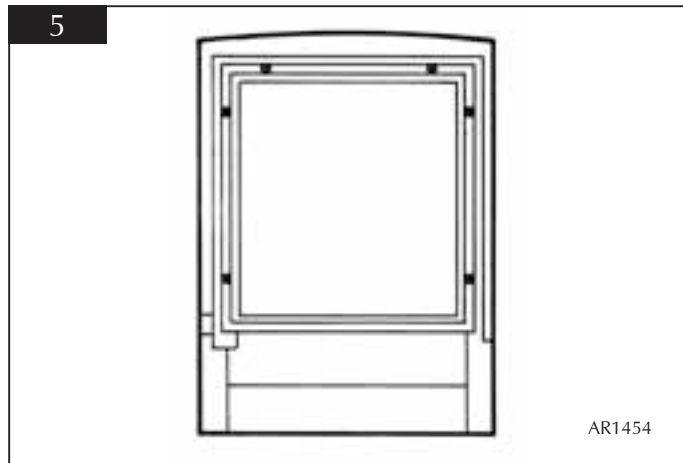
2.10.1 Press the ON / OFF button (A) once and the F40 Avanti will turn off. See diagram 4.



## 3. CLEANING THE F40 AVANTI

**ENSURE THE APPLIANCE IS COLD BEFORE PROCEEDING.**

- 3.1 The outside casing of the F40 Avanti should be cleaned using a damp cloth.
- 3.2 To clean the glass frame, remove the front as detailed in the installation instructions.
- 3.3 Remove the glass frame by unscrewing the six pozidrive screws. See diagram 5.



- 3.4 To clean the glass surface, Gazco recommends you use a ceramic glass product generally sold for cleaning ceramic hobs.
- 3.5 Ensure that the fibreglass seal on the glass frame is intact. Replace the six screws working from the top down. Tighten the screws evenly.

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

### ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS

The fuel effect and side panels in this appliance are made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application.

Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within heavy duty polythene bags and labelled as RCF waste.

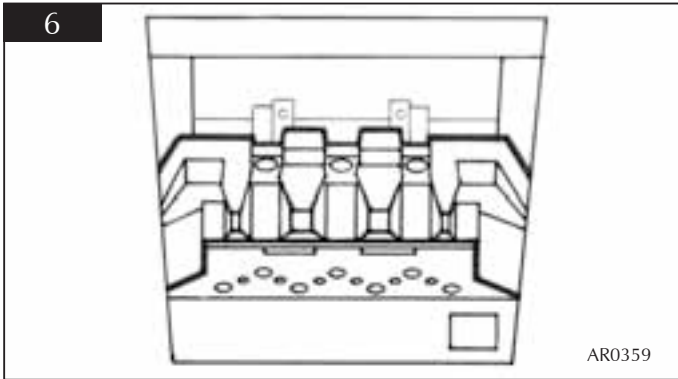
RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

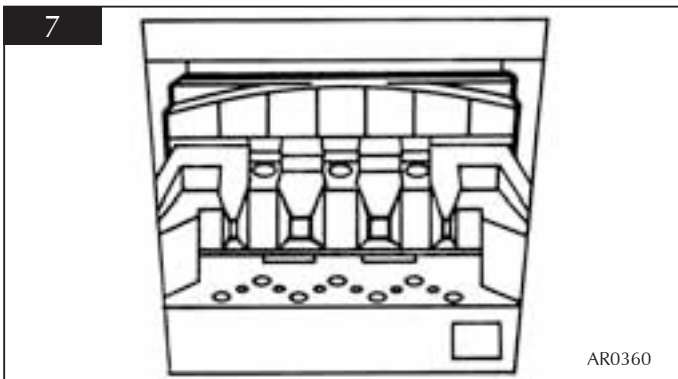
# USER INSTRUCTIONS

## 4. FUEL BED ARRANGEMENT

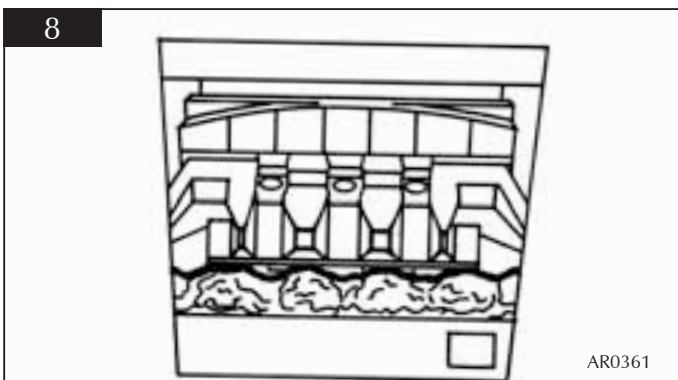
- 4.1 Place the flame baffle onto the burner and push against the rear tray lip. See diagram 6



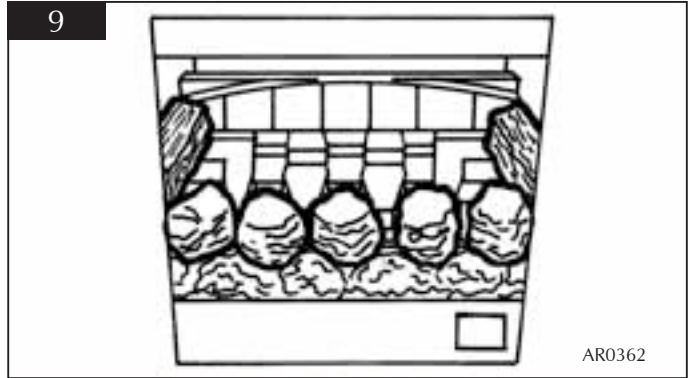
- 4.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle. See diagram 7



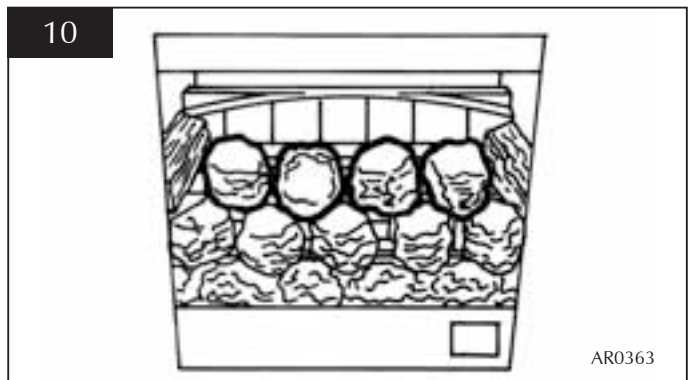
- 4.3 Locate the front coal between the heat shield and the flame baffle so its ends sit flat on the burner skin. See diagram 8



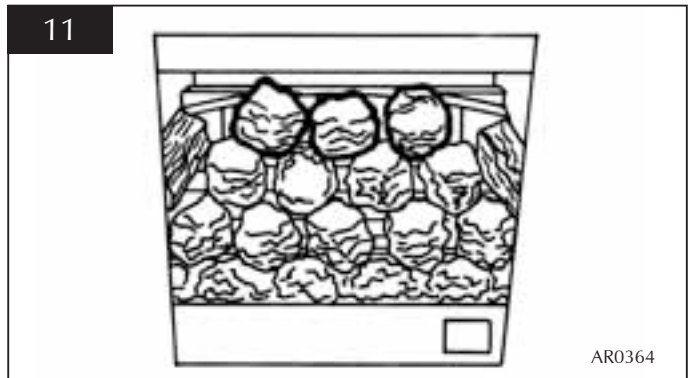
- 4.4 Place five of the loose round coals on the front coal so they lean against the flame baffle, in between the fingers. Place the two rectangular coals against the reflector panels, one either side, behind the front row of loose coals. See diagram 9



- 4.5 Place four of the loose round coals behind the first row so that they sit on the fingers, the two outer ones should touch the rectangular coals. See diagram 10



- 4.6 Place the three remaining coals behind the centre row so that they touch the back panel. See diagram 11



## 5. GAZCO FLUE SURE SYSTEM

- 5.1 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.**

# USER INSTRUCTIONS

## 6. FLAME FAILURE DEVICE

- 6.1 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.

## 7. 'RUNNING IN'

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

## 8. SERVICING

- 8.1 A qualified gas engineer must service the stove every 12 months. In all correspondence, always quote the appliance type and the serial number that may be found on the data

## 9. VENTILATION

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

## 10. INSTALLATION DETAILS

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

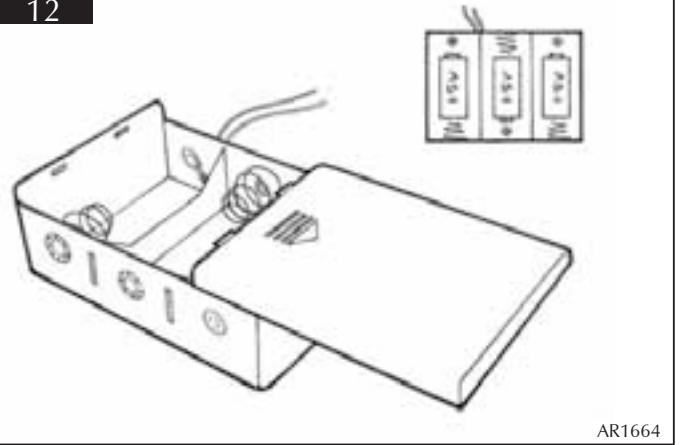
## 11. HOT SURFACES

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

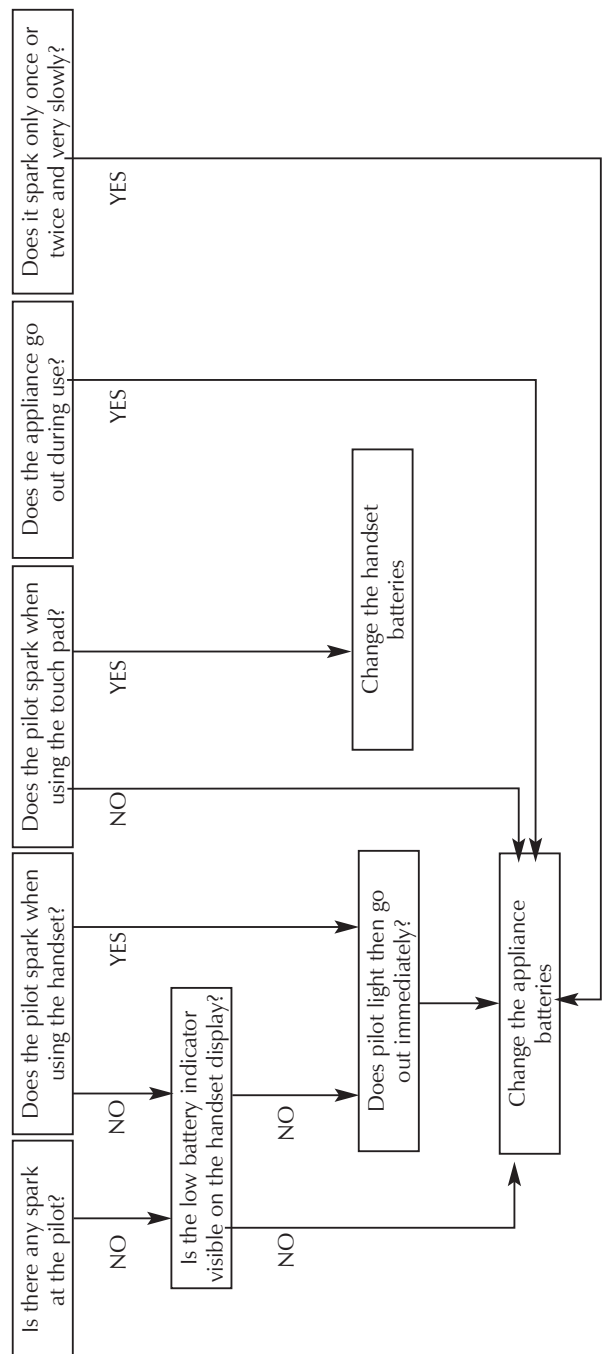
## 12. BATTERY REPLACEMENT

- 12.1 Refer to the instructions supplied with the decorative front and remove the front as detailed.
- 12.2 Locate the plastic battery holder situated to the right hand side of the compartment and withdraw.
- 12.3 Replace the batteries ensuring they are in the correct orientation. See diagram 12.
- 12.4 Push the battery holder back into its location and close the door as detailed in the instructions supplied.

12



### FIRE WILL NOT LIGHT





# INSTALLATION INSTRUCTIONS

## TECHNICAL SPECIFICATION

### COVERING THE FOLLOWING MODELS

8685MCSC - P8685MCSC  
 8685MMCSC - P8685MMCSC  
 8685HMCSC - P8685HMCSC

MODEL	GAS	GAS TYPE	WORKING PRESSURE	NOX CLASS	AERATION	INJECTOR	GAS RATE m <sup>3</sup> /h	INPUT kW (Gross)		COUNTRY
								High	Low	
F40 Avanti 8685	I <sub>2</sub> H	NG G20	20 mbar	5	1x7.5mm	1.7	0.515	5.4	3.5	GB, IE
F40 Avanti P8685	I <sub>3</sub> P	LPG Propane G31	37 mbar	5	1x13.5mm	1.2	0.201	5.5	3.5	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 infill plate
1	Front coal
1	Coal set
1	Rear Ceramic
1	Fixing kit containing:-
1	Instruction manual
2	Wood screws
2	Rawl plugs
1	Remote handset
3	'C' cell batteries
3	'AAA' cell batteries

	A		B		C		D		E	
	ins.	mm	ins.	mm	ins.	mm	ins.	mm	ins.	mm
F40 AVANTI	18.20	462	25.35	644	13.00	331	17.83	453	4.69	119
F40 AVANTI MIDI	18.20	462	32.43	824	13.00	331	24.92	633	4.69	119
F40 AVANTI HIGHLINE	18.20	462	39.32	999	13.00	331	31.81	808	4.69	119

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# INSTALLATION INSTRUCTIONS

## SITE REQUIREMENTS

### 1. FLUE AND CHIMNEY REQUIREMENTS

- 1.1 The chimney or flue system must comply with the rules in force, and must be a minimum of 127mm in diameter. (5").
- 1.2 The minimum 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 prior to the installation of the appliance. However, where it can be seen that the chimney is clean and unobstructed throughout its entire length, it need not be swept.

NOTE: If it is intended to fit the stove into a existing brick built chimney 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.

Due to recent changes to European chimney standards, new flue's and chimney's are now described by their temperature, pressure and resistance to corrosion, condensation and fire. To assist in identifying the correct flue system, the minimum flue specification is shown in the technical specification on page 8 of this book. Existing chimney's are not covered by this system.

### 2. VENTILATION

- 2.1 Consult the rules in force.

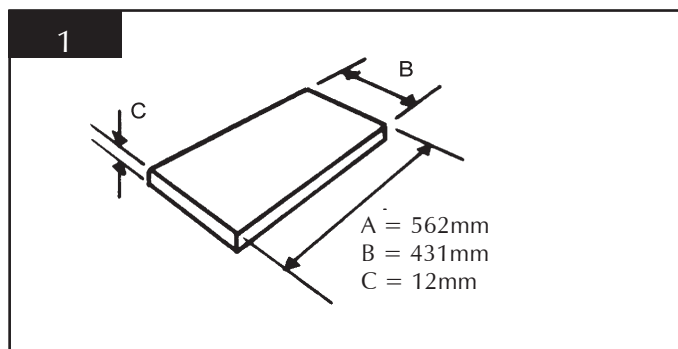
Note: This appliance does not normally require any additional ventilation when installed in G.B.

### 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.

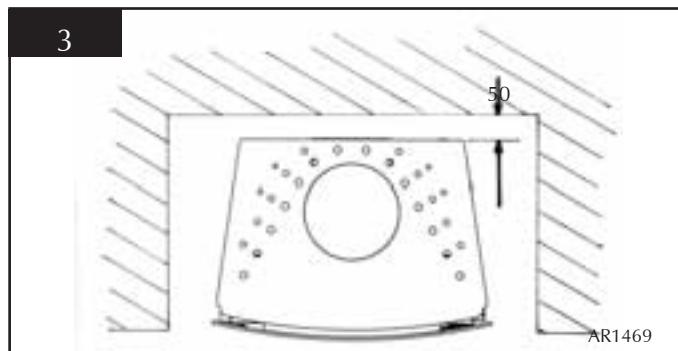
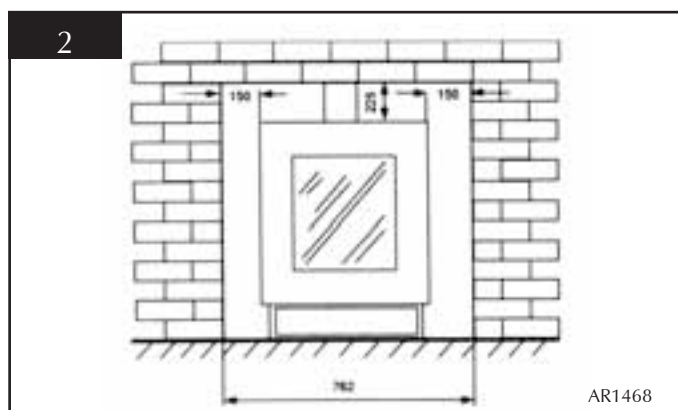
### 4. APPLIANCE LOCATION

- 4.1 This fire must stand on a non-combustible hearth that is at least 12mm thick and projects 50mm minimum from the base of the fire in all directions.
- 4.2 Do not install in a room that contains a bath or shower.



#### MINIMUM CLEARANCE

- 4.3 The fire is not suitable for installation against a combustible wall. All combustible materials must be removed from behind the fire.
- 4.4 Ensure you comply with all minimum clearance measurements, whether or not to combustible materials. See diagram 2 & 2A.



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

# INSTALLATION INSTRUCTIONS

## INSTALLATION

**ENSURE THAT THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE. REFER TO THE DATABADGE AND TECHNICAL SPECIFICATIONS ON PAGE 9**

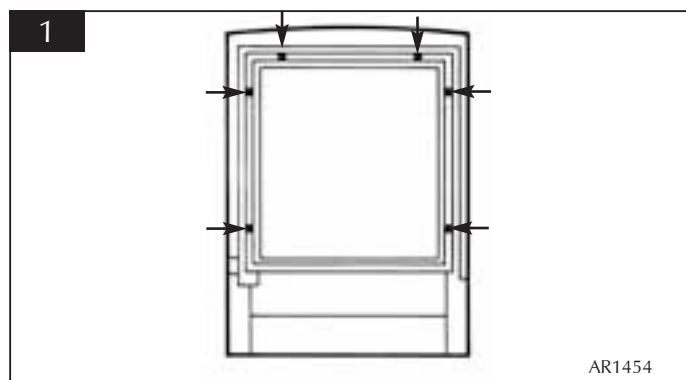
**FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SECTION 11 OF THE SERVICING INSTRUCTIONS.**

### 1. SAFETY PRECAUTIONS

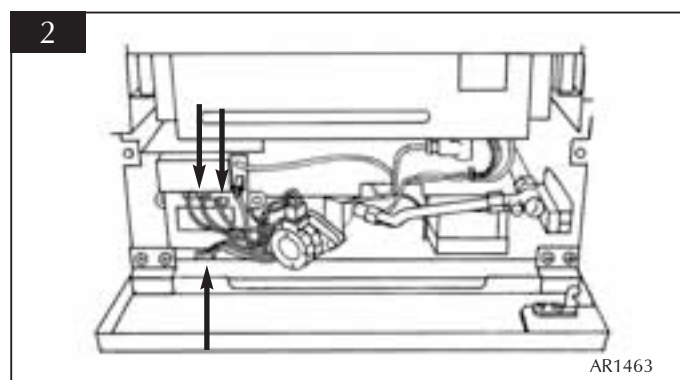
- 1.1 This appliance must be installed in accordance with the rules in force, and used only in a sufficiently ventilated space. Please read these instructions before installation and use of this appliance.
- 1.2 These instructions must be left intact with the user.
- 1.3 Do not attempt to burn rubbish on this appliance.
- 1.4 In your own interest, and those of safety, this appliance must be installed by competent persons in accordance with local and national codes of practice. Failure to install the appliance correctly could lead to prosecution.

### 2. INSTALLATION OF THE STOVE

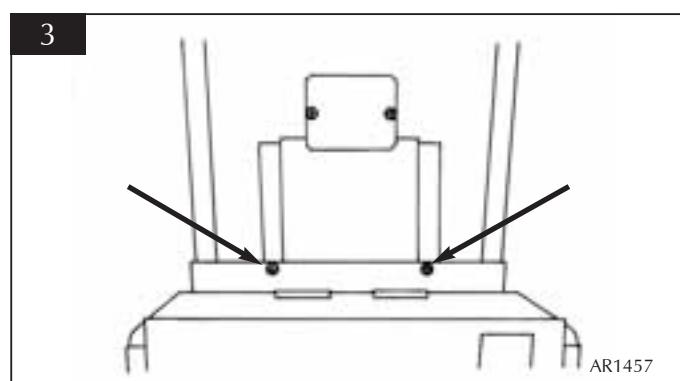
- 2.1 Remove the appliance from its packaging. It will now be necessary to decide upon top or rear flue exit, the stove is factory built for rear exit but is easily converted by swapping the flue spigot with the blanking plate and putting the blanking plate on the rear of the stove.
- 2.2 Open the lower door by pressing until a "click" is heard, and gently lowering down.
- 2.3 Remove the glass frame by undoing the six pozidrive screws. The four black screws are for removing the entire firebox if required. Remove the ceramic components and place carefully to one side. Remove the lower cover panel by undoing the two pozidrive screws. See diagram 1.



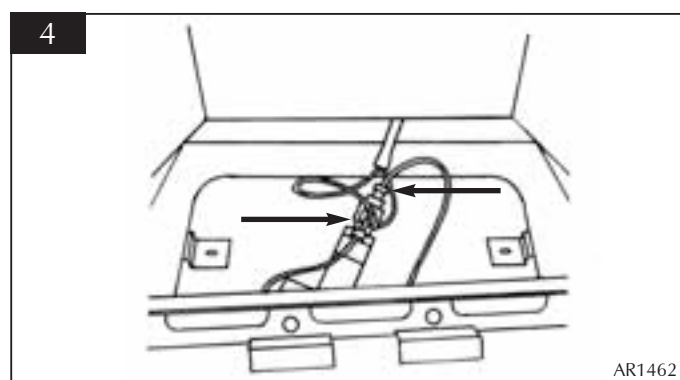
- 2.3 Disconnect the lead for the touchpad and the two leads for the TTB See Diagram 2.



- 2.4 Undo the two screws at the back of the firebox and gently pull the burner unit forward. See diagram 3.



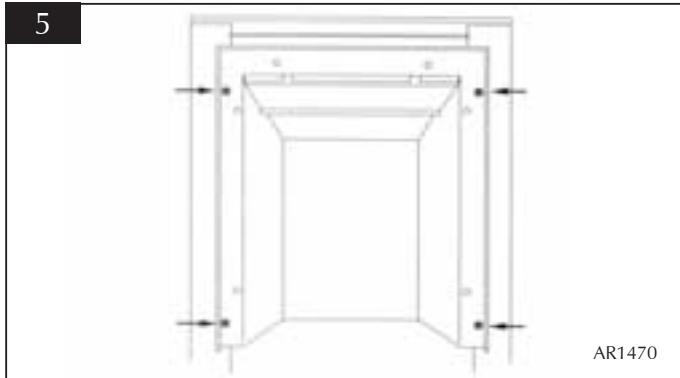
- 2.5 At the rear of the burner unit, undo the thermocouple and disconnect the TTB leads. Now remove the burner unit completely. See diagram 4.



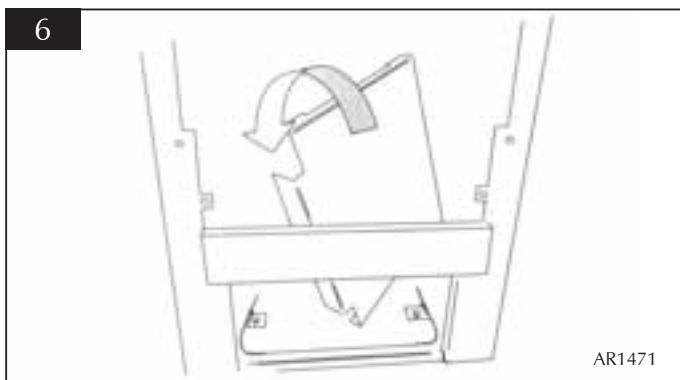
# INSTALLATION INSTRUCTIONS

## INSTALLATION

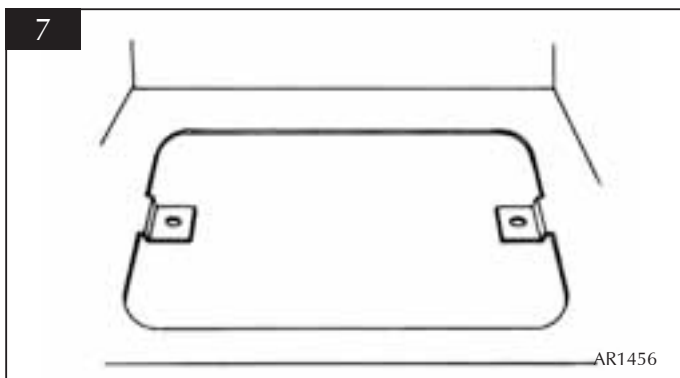
- 2.6 Remove the four black screws in the firebox and lift the firebox clear. See diagram 5.



- 2.7 For Midi and Highline versions of the F40, it will be necessary to remove the base panel. This lifts up and through the upper part of the carcass. See diagram 6.

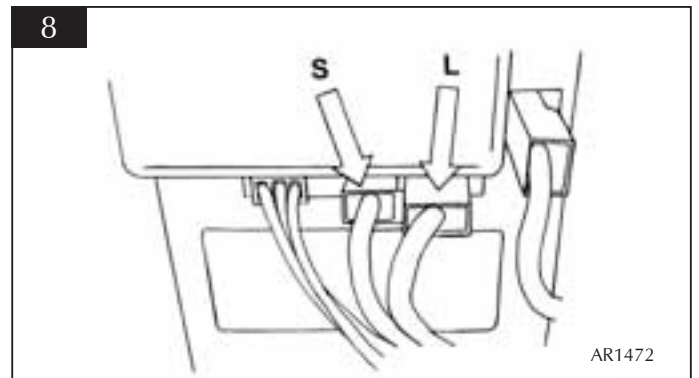


- 2.8 It will now be possible to access the two tabs for bolting the appliance down (if required). Position the stove ensuring all appropriate clearances are observed. Using a pencil mark the position of the holes in the fixing bracket. See diagram 7.

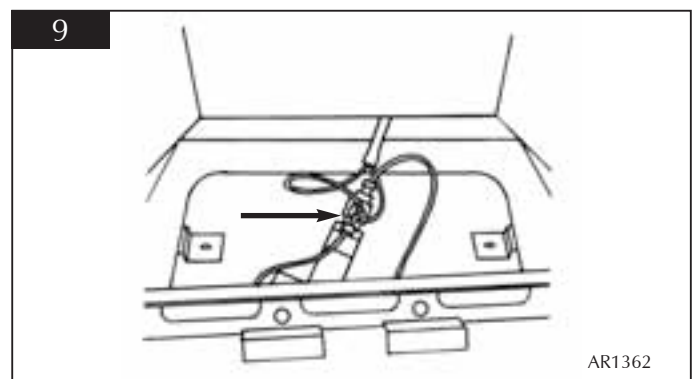


- 2.9 Remove the stove and drill the holes using a masonry drill. Insert the rawlplugs.
- 2.10 Reposition the stove and level it using the three levelling bolts in the base. Screw the stove down. Replace the decorative base cover panel if fitted.

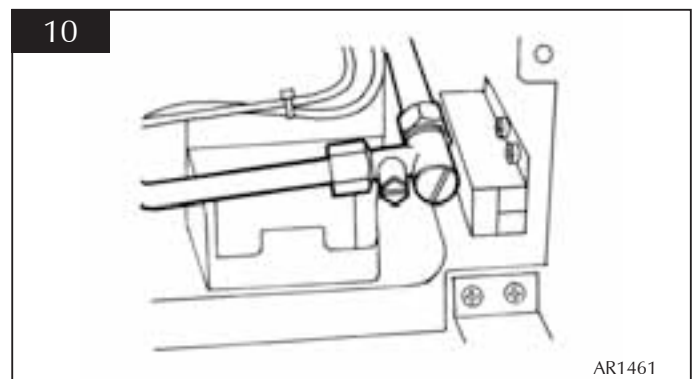
- 2.11 Refit the fire box and burner unit to the stove taking care to reconnect the small TTB electrical connector to the left hand terminal and the large TTB connector to the right hand terminal. See diagram 8.



- 2.12 THE TTB CONNECTIONS IN THE INTERRUPTOR BLOCK MUST HAVE THE RED HIGHLIGHTED SPADE CLOSEST THE VALVE. SEE DIAGRAM 9.



- 2.13 Having run the gas supply to the stove, PURGE THE SUPPLY, this is essential to expel any debris that may block the controls. Connect the gas supply to the 8mm test point located at the lower right hand side of the stove. A gas soundness check must be completed up to the gas inlet connection. See diagram 10.



- 2.14 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.

# INSTALLATION INSTRUCTIONS

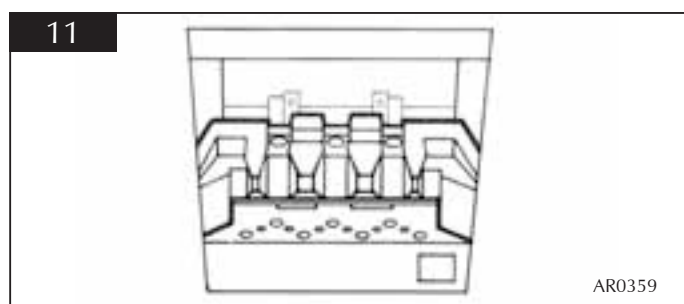
## INSTALLATION

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

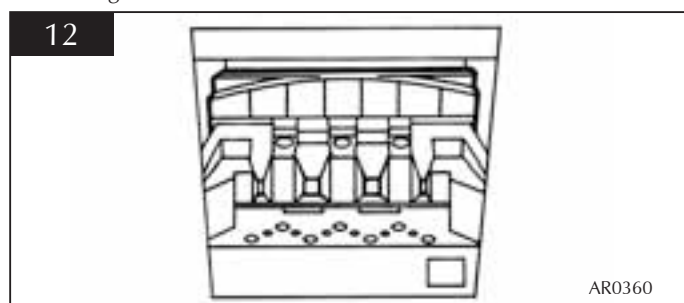
- 2.15 The flue system may now be connected to the stove, ensure that all joints are sealed with a suitable fire resistant sealant. It is also recommended that a physical retention method be used at the flue spigot joint, self-tapping screws being favoured.
- 2.16 Connect a suitable pressure gauge to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

### 3. FUEL BED ARRANGEMENT

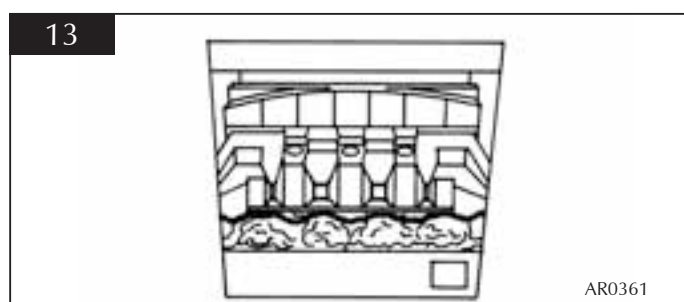
- 3.1 Place the flame baffle onto the burner and push against the rear tray lip. See diagram 11.



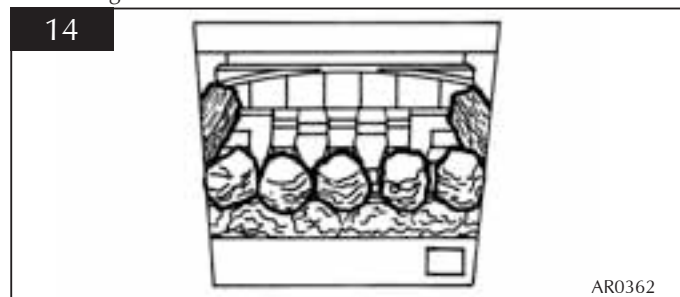
- 3.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle. See diagram 12.



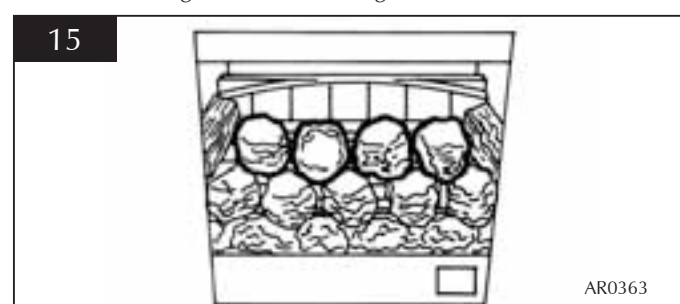
- 3.3 Locate the front coal between the heat shield and the flame baffle so its ends sit flat on the burner skin. See diagram 13.



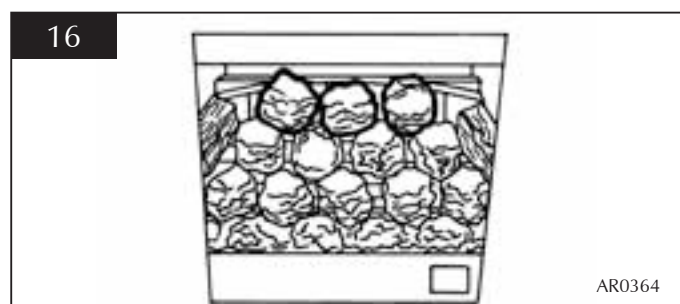
- 3.4 Place five of the loose round coals on the front coal so they lean against the flame baffle, in between the fingers. Place the two rectangular coals against the reflector panels, one either side, behind the front row of loose coals. See diagram 14.



- 3.5 Place four of the loose round coals behind the first row so that they sit on the fingers, the two outer ones should touch the rectangular coals. See diagram 15.

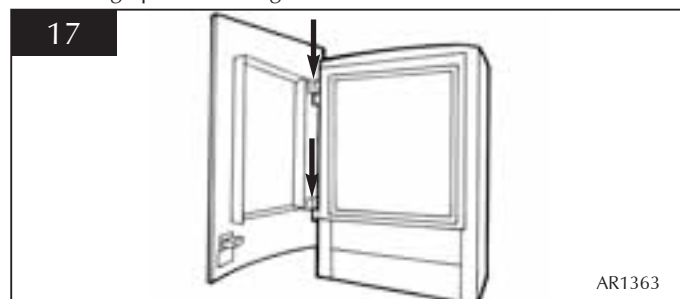


- 3.6 Place the three remaining coals behind the centre row so that they touch the back panel. See diagram 16.



### 4. DOOR REPLACEMENT

- 4.1 After laying out the coals, replace the glass panel. Tighten the six pozidrive screws, working from the top down. Do not over tighten. Lower the front door on by holding at 90 degrees to the appliance and lowering down on to the two hinge pins. See diagram 17.



# SERVICING INSTRUCTIONS

## COMMISSIONING


- 4.2 Close the door by pushing the lower right corner of the door until a click is heard. The door will now have latched. Opening is done by the lower right hand door, again until a click is heard, and opening to its stop.

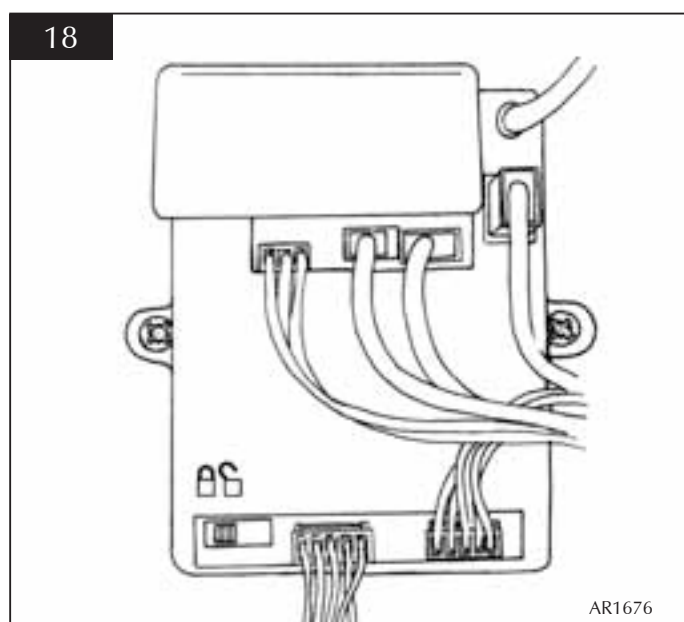
### 5. COMMISSIONING

**NOTE: THE HANDSET HAS BEEN FACTORY PROGRAMMED TO OPERATE THIS APPLIANCE. IF THE HANDSET OR CONTROL UNIT HAS BEEN REPLACED, IT WILL BE NECESSARY TO FOLLOW THE PROGRAMMING PROCEDURE.**

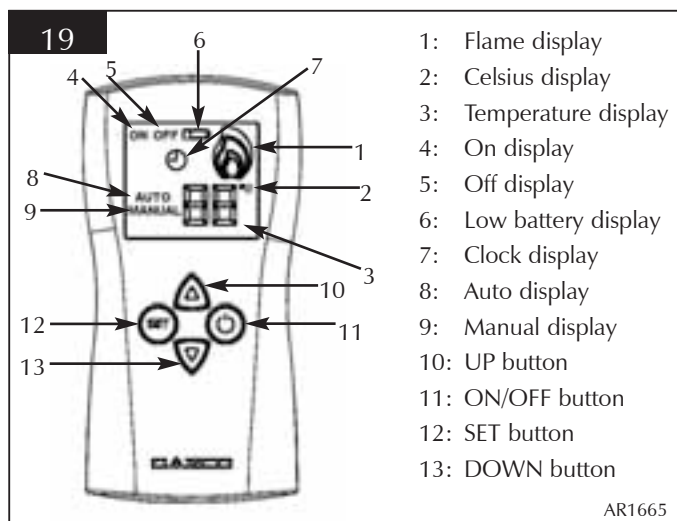
#### PROGRAMMING THE HANDSET


Section 5 must be read in total before trying to programme the handset! The sequence must be performed while the ON/OFF on the display is still flashing.

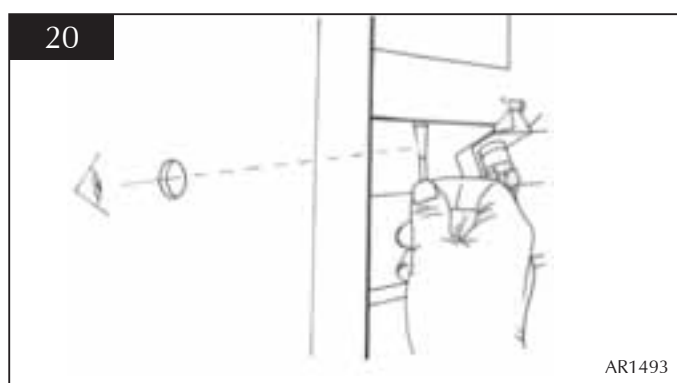
- 5.1 Open the lower door by pressing until a 'click' is heard. Now switch the button on the control unit to the Unlock position . See diagram 18.



- 5.2 The remote handset must now be programmed. Push the ON / OFF button (11), the ON or OFF display will start flashing. Then press the ON / OFF button (11), and the (▲) (10) and (▼) (13) buttons at the same time. Immediately after press the SET button (12) once. See diagram 19.



- 5.3 The clock (7) will appear on the display. After a few seconds this will disappear.
- 5.4 Finally push the switch to the Lock position , towards the rear of the appliance. The remote should now be tuned to the control box.
- 5.5 Close the lower door until a 'click' is heard.
- 5.6 Close all openable doors and windows in the room, ignite the appliance and operate on maximum for 10 minutes. Remove the plastic sight plug from the right hand side of the appliance. Position a lighted smoke match just inside the draught diverter opening and check that all smoke is drawn into the opening by viewing through the sight hole. See diagram 20. If there is any doubt, run the appliance for a further 10 minutes, and repeat the test.



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

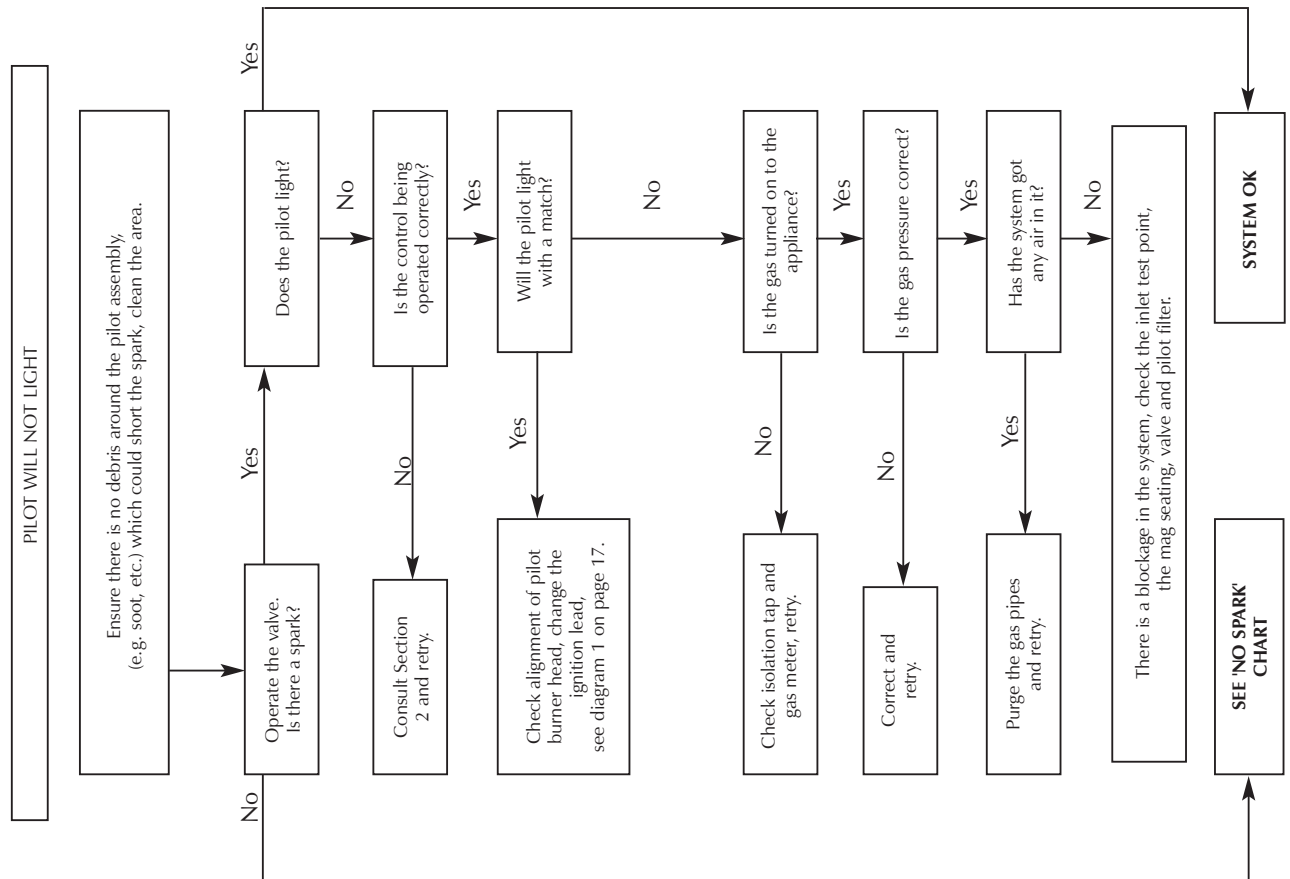
**IF SPILLAGE PERSISTS, DISCONNECT THE APPLIANCE AND SEEK EXPERT ADVICE.**

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

# SERVICING INSTRUCTIONS

## SERVICING CHART

### IGNITION FUNCTIONAL CHECK 1



### 1. SERVICING REQUIREMENTS

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

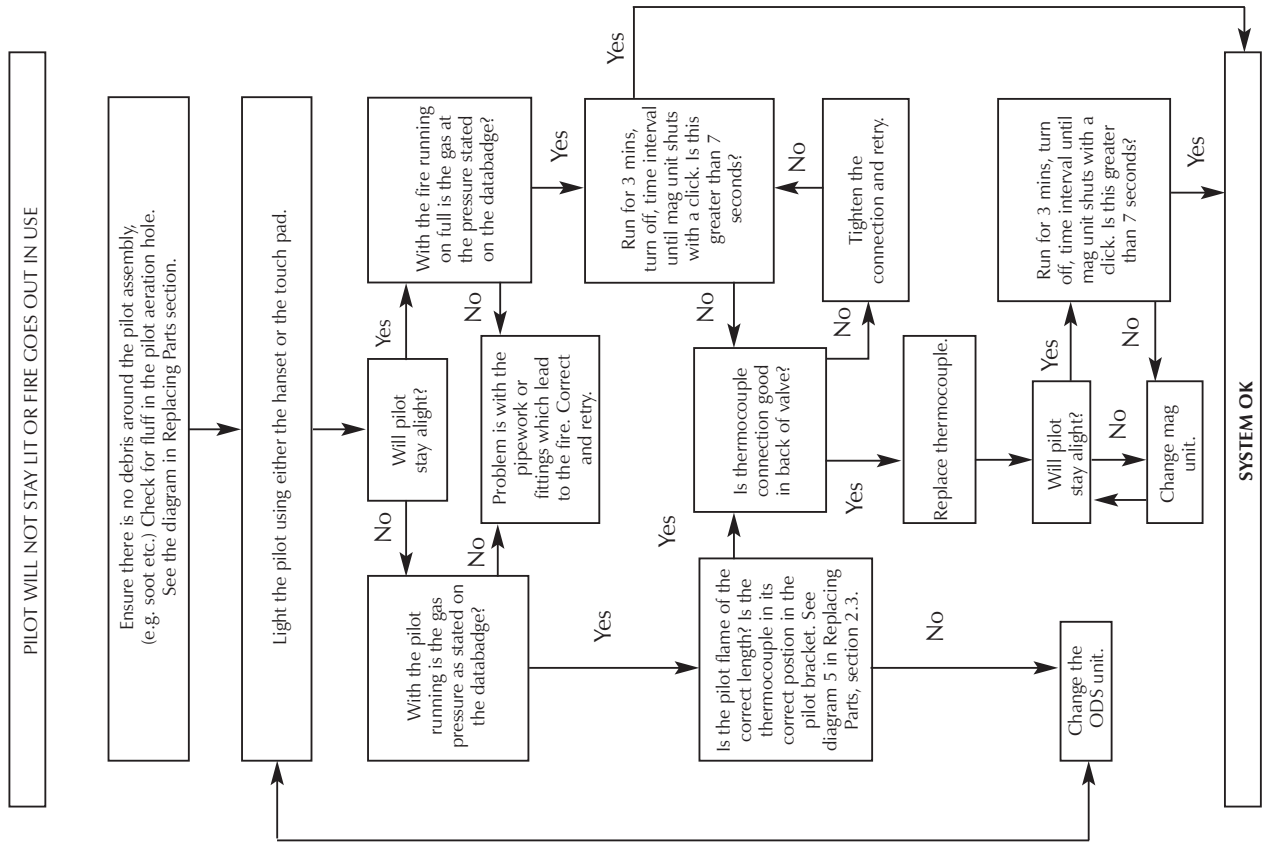
All tests must be serviced by best practice as described by the current CORGI recommendations.

- 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.

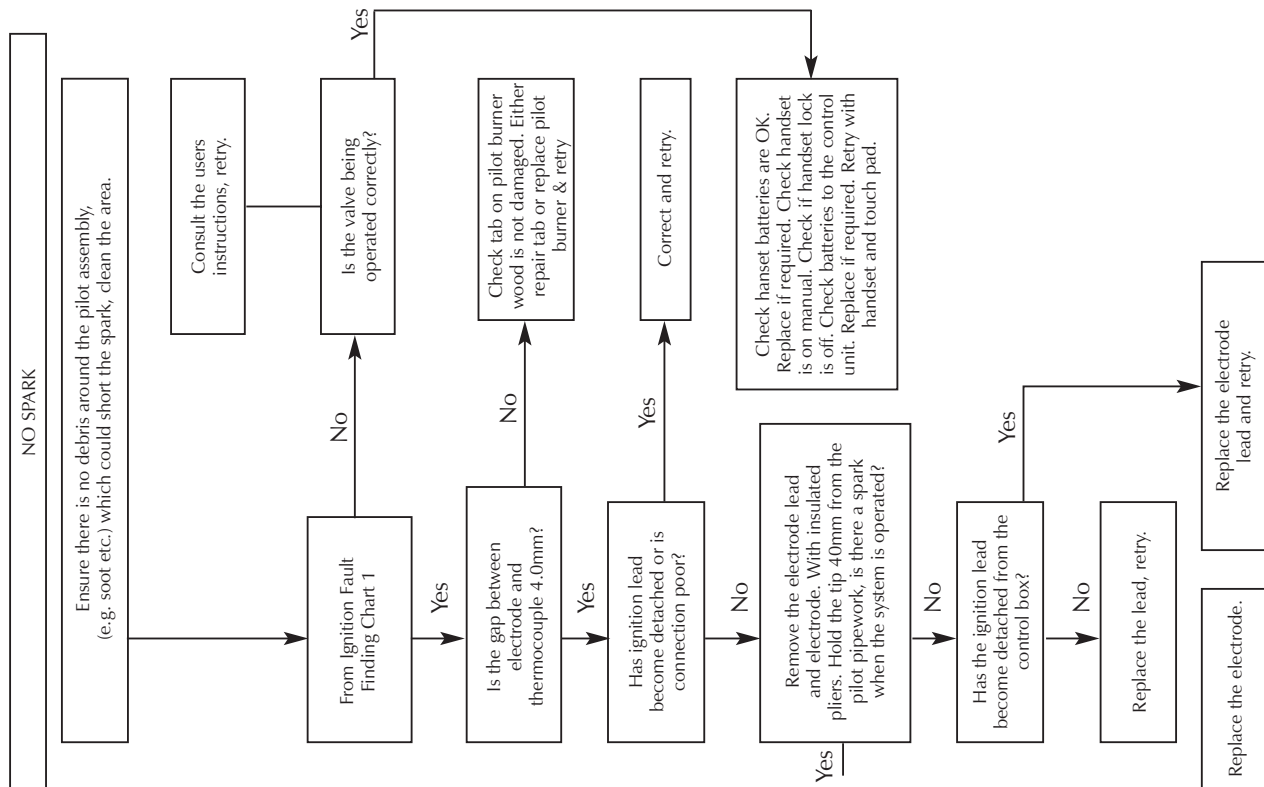
# SERVICING INSTRUCTIONS

## FAULT FINDING CHARTS

### FLAME FAILURE FUNCTIONAL CHECK 3



### IGNITION FUNCTIONAL CHECK 2





# SERVICING INSTRUCTIONS

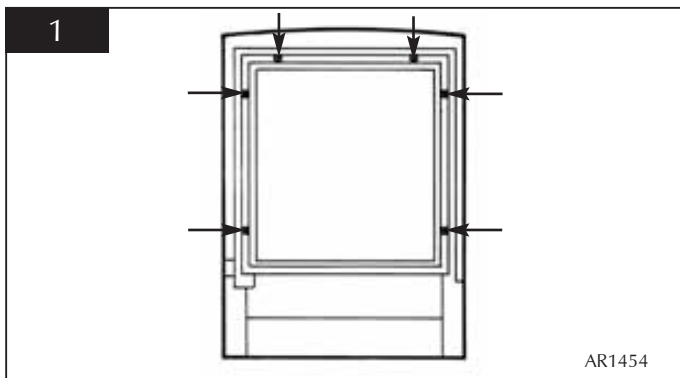
## REPLACING PARTS

### 1. GENERAL

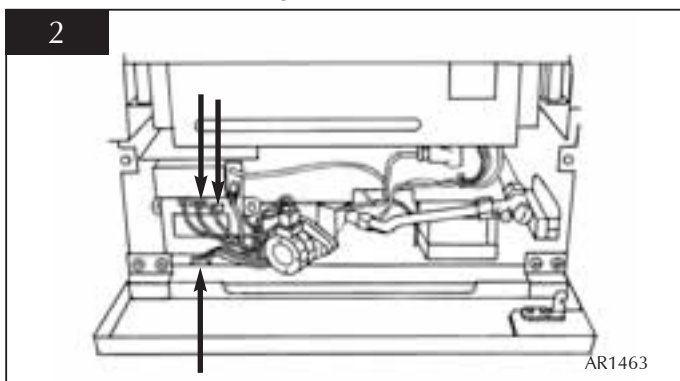
- 1.1 All principle components can be replaced without removing the appliance from its installation, although it is essential that the gas supply to the appliance is turned off at the isolation device before proceeding further.
- 1.2 **ENSURE THAT THE APPLIANCE IS COLD BEFORE COMENCING WORK ON IT.**
- 1.3 Remove the batteries from the battery box.
- 1.4 If access to the components is restricted the burner and control system is a self contained unit and can be removed as a single unit for easy maintenance.

### 2. MAIN BURNER

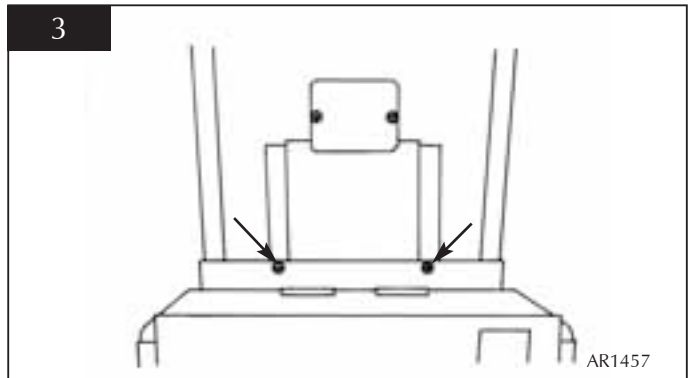
- 2.1 Remove the door from the stove, open the lower door, and remove the lower panel. Remove the batteries from the battery box, undo the six pozidriv screws and remove the glass frame. See diagram 1



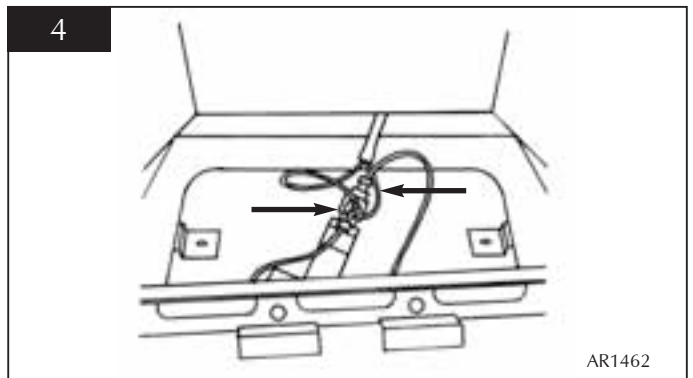
- 2.2 Carefully remove the ceramic components from the stove and store safely. Remove the touchpad panel
- 2.3 Disconnect the TTB and the touchpad leads from the control unit. See diagram 2



- 2.4 Undo the gas connection at the pressure test point, and undo the two screws at the back of the firebox. See diagram 3



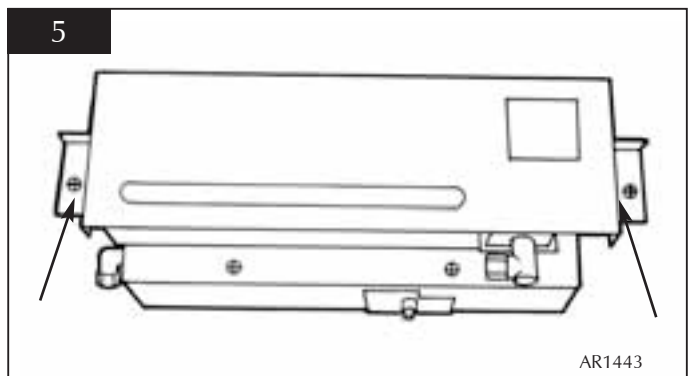
- 2.5 Carefully pull the burner unit forward until access to the rear of the valve is possible. Undo the thermocouple lead and remove the TTB wires. See diagram 4



- 2.5 The burner unit can now be removed to work on.
- 2.6 Reassemble in the reverse order, check for gas leaks. When connecting the TTB wires in the back of the valve, it is essential for the wire with the red highlight be closest the valve. Note also, that the connectors for the TTB in the control unit are different sizes.

### 3. PILOT UNIT

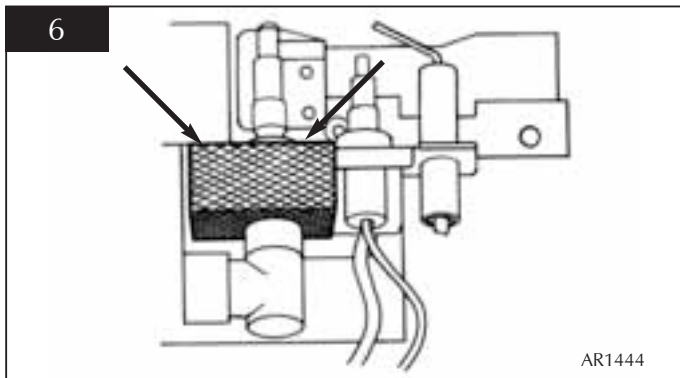
- 3.1 Follow the steps 2.1 to 2.5 above, making sure that the gas supply is isolated at the isolation point.
- 3.2 With the burner unit removed, undo the two screws and remove the front aeration guide. See diagram 5



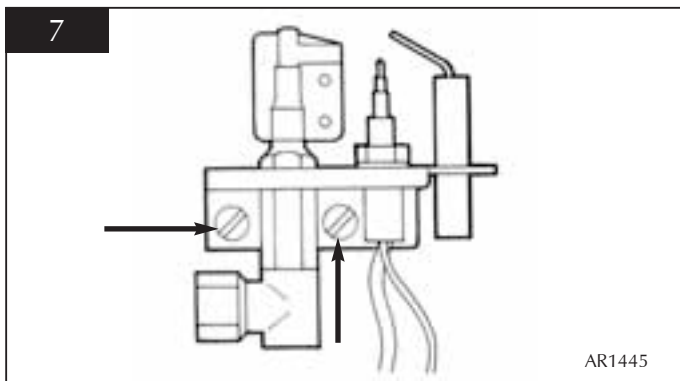
# SERVICING INSTRUCTIONS

## REPLACING PARTS

- 3.3 Remove the lint arrestor by folding the tabs back. See diagram 6.



- 3.4 Undo the compression nut on the pilot unit, disconnect the ignition lead from the electrode by pulling gently down on the wire. Undo the two screws and the pilot unit can be removed. See diagram 7



- 3.5 Reassemble in reverse order, check for gas leaks.

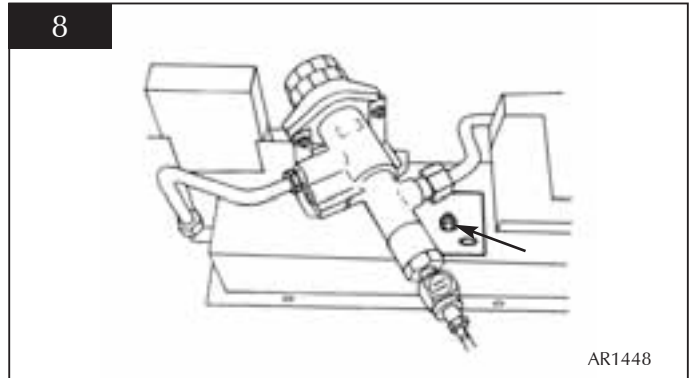
### 4. IGNITION LEAD

- 4.1 Follow steps 2.1 to 2.5 to remove the burner unit, making sure that the gas supply is isolated at the isolation point.
- 4.2 Cut the cable tie, gently pull the lead out from the electrode and the control unit.
- 4.3 Reassemble in reverse order, check for gas leaks. Take care not to route the ignition lead too close to other electrical leads.

### 5. AERATION PLATE

- 5.1 Follow steps 2.1 to 2.5 above to remove the burner unit, making sure the gas supply is isolated at the isolation point. Turn the burner unit over, the aeration plate is accessible from below.

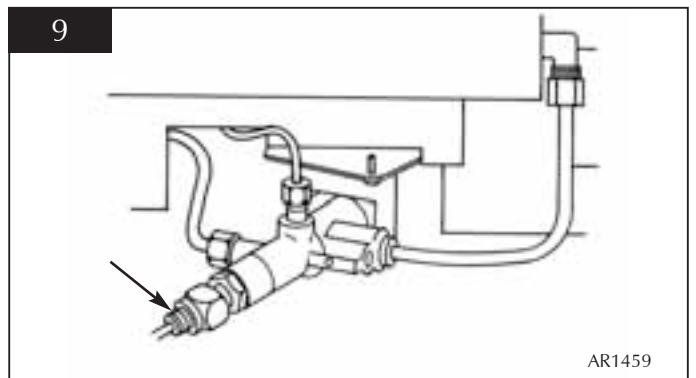
- 5.2 Undo the M5 nyloc nut, and remove the aeration plate. See diagram 8



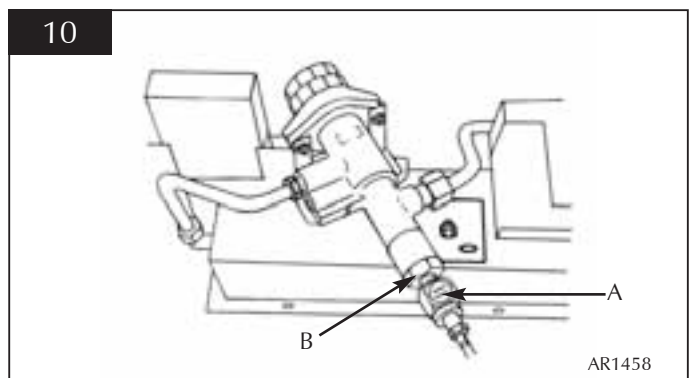
- 5.3 Reassemble in reverse order with the correct aeration plate. Check for gas leaks.

### 6. MAGNETIC SAFETY VALVE

- 6.1 Follow steps 2.1 to 2.5 above, making sure the gas supply is isolated at the isolation point. Turn the burner unit over and disconnect the thermocouple lead. See diagram 9
- 6.2 Disconnect the TTB leads and unscrew the interrupter block



- (A). Support the valve and undo the magnetic valve retaining nut (B). See diagram 10



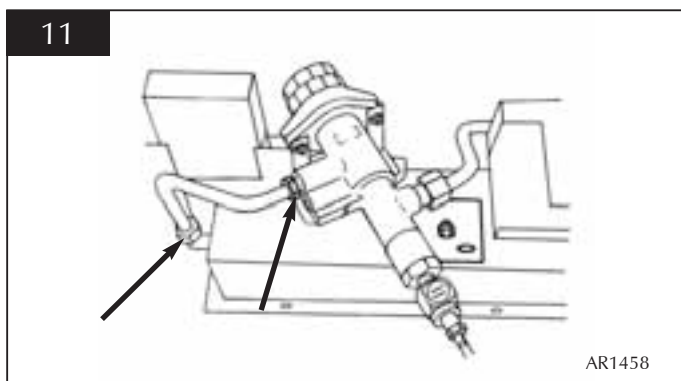
- 6.3 Remove the magnetic valve unit located inside. Reassemble in reverse order, taking care to assemble the TTB leads with the red highlighted one closest the valve. Check for gas leaks.

# SERVICING INSTRUCTIONS

## REPLACING PARTS

### 7. MAIN INJECTOR

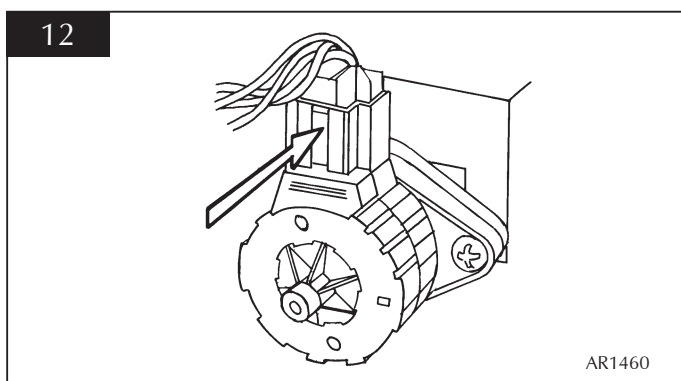
- 7.1 Follow steps 2.1 to 2.5 to remove the burner unit. Making sure the gas supply is isolated at the isolation point. Turn the burner unit over to access the main injector pipe. Undo the compression fittings both ends of the pipe and remove. See diagram 11



- 7.2 Unscrew the injector and remove.
- 7.3 Reassemble in reverse order, the injector must **NOT** be tightened into the burner but allowed to float to enable it to line up with the pipe. Turn on the gas supply and check for leaks.

### 8. GAS VALVE

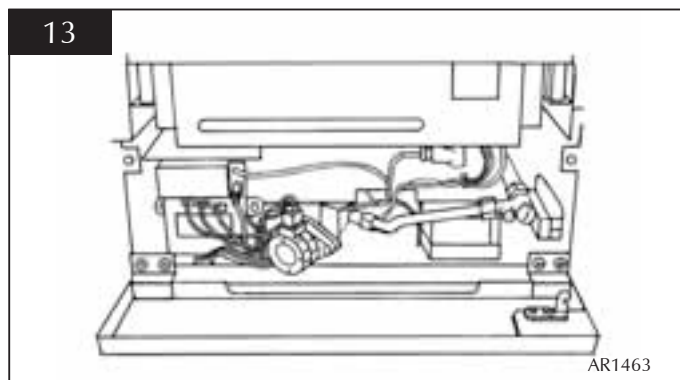
- 8.1 Follow the steps 2.1 to 2.5 to remove the burner unit, making sure the gas supply is isolated at the isolation point. Undo the compression nuts on the injector pipe and inlet pipe and remove these pipes. Undo the compression nut on the pilot pipe, lift the pipe clear of the valve.
- 8.2 Disconnect the motor control wire, by pressing in the tab and easing the connector out. See diagram 12



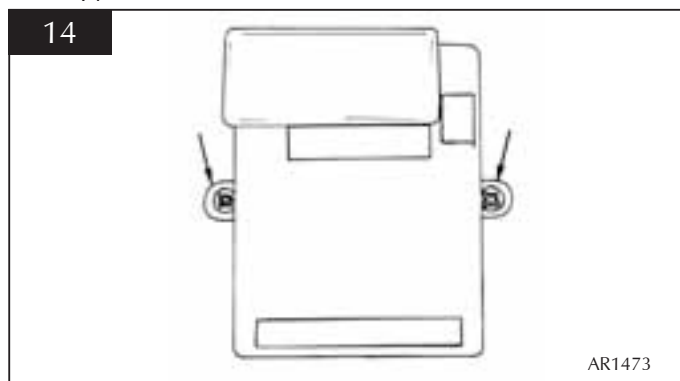
- 8.3 Undo the two M4 nuts holding the gas valve to the bracket and remove the gas valve, taking care to remove the earth connections.
- 8.4 Reassemble in reverse order, making sure that the earth connections are between the gas valve and the bracket. Check for gas leaks.

### 9. CONTROL UNIT

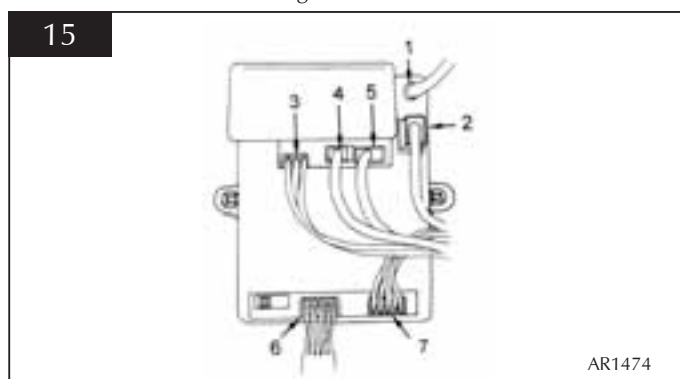
- 9.1 The control unit can be replaced without removing any other components from the stove.
- 9.2 Open the front door and remove. Open the lower door and remove the lower panel. Remove the batteries from the battery box. See diagram 13



- 9.3 Carefully, disconnect the electrical connections. Undo the two mounting screws for the unit and remove. See diagram 14



- 9.4 Remount control box, and replace electrical connections as shown below. See diagram 15



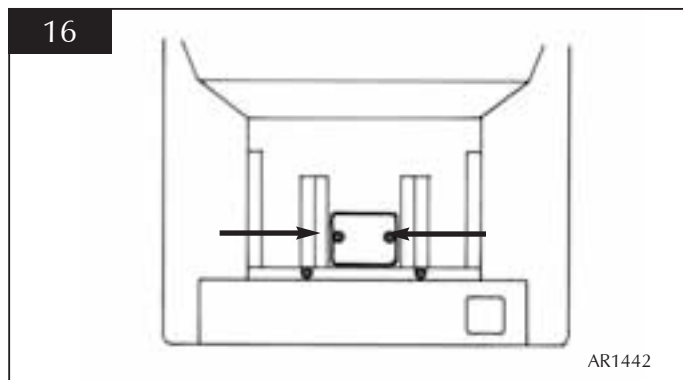
1. Ignition lead - Red Cable.
2. Earth lead - Green/Yellow Cable.
3. Battery box - Cream Connector, Red and Black cables.
4. TTB1 - Small Spade Connector, Black Lead.
5. TTB2 - Large Spade Connector, Black Lead.
6. Touchpad - Cream Connector, Grey Ribbon Lead.
7. Gas Valve - Cream Connector, Multicoloured Leads.

# SERVICING INSTRUCTIONS

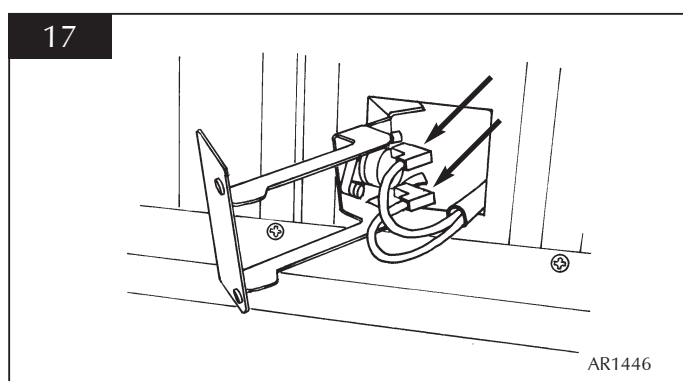
## REPLACING PARTS

### 10. GAZCO FLUE SURE SYSTEM

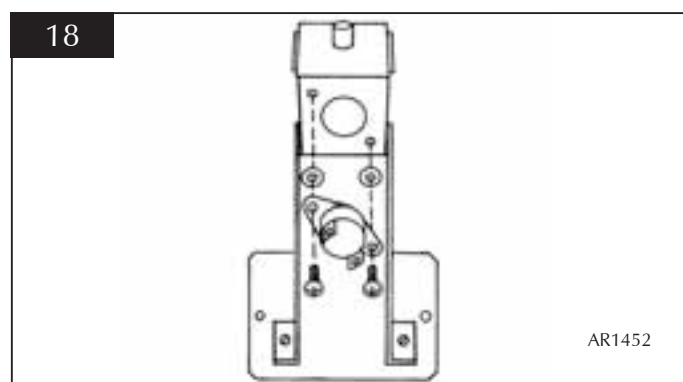
- 10.1 Open and remove the front door. Remove the glass frame. Carefully remove the ceramic components and place to one side. Undo the two screws at the back of the firebox and carefully withdraw the bracket. See diagram 16



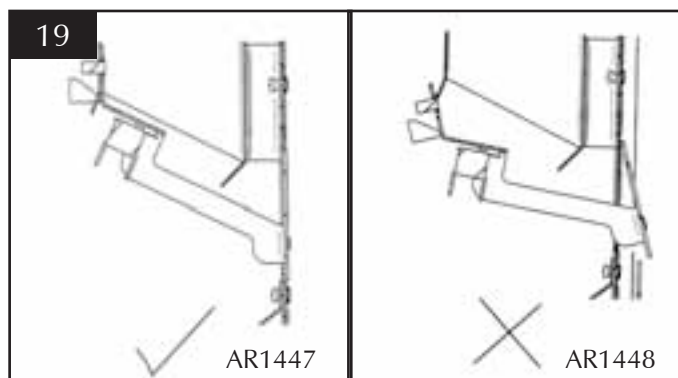
- 10.2 Disconnect the two sender wires. Undo the two tapite screws and remove the sensor and the two plastic spacers. See diagram 17



- 10.3 Refit the new sensor ensuring that the plastic spacers are between the sensor and the bracket. Refit the leads. See diagram 18



- 10.4 Feed the cable back through the hole as you replace the bracket. When the bracket is located correctly it will sit flush with the back panel without force required. If not positioned correctly the bracket will sit at an angle. See diagram 19



### 11. CHANGING BETWEEN GAS TYPES

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

Pilot Unit  
Control Valve\*\*  
Main Injector  
Aeration Plate  
Control Unit  
Data Badge

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

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

# SERVICING INSTRUCTIONS

## REPLACING PARTS

### 13. SPARE PARTS LIST

Component	NG	LPG	
		PROPANE	BUTANE
BURNER UNIT	B0215	PB0215	
MAIN INJECTOR	IN0053	IN0052	
PILOT ASSEMBLY	PI0036	PI0037	
TTB	EL0001	EL0001	
CONTROL BOX	EL0359	EL0360	
GAS VALVE*		GC0107	
MAG UNIT		GC0109	
IGNITION LEAD		GC0013	
CERAMIC REAR PANEL		CE0530	
FLAME BAFFLE		CE0118	
COAL SET		CE0127	
FRONT COAL		CE0122	
TTB LEADS		EL0315	
BATTERY BOX		EL0274	
VALVE MOTOR HARNESS		EL0278	
TOUCH PAD HARNESS		EL0273	
TOUCH PAD		EL0272	
HANDSET		EL0275	
EARTH LEAD		EL0190	
WINDOW FRAME ASSEMBLY		GZ5227	

\*Gas Valve is pre-set for the correct gas type.

# 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 Service Due:.....  
Signed:.....  
Dealer's Stamp/CORGI Registration Number

## 10TH SERVICE

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



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