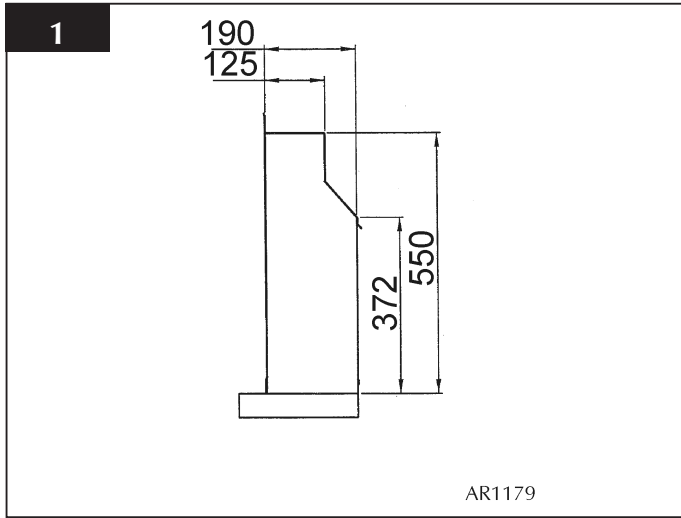


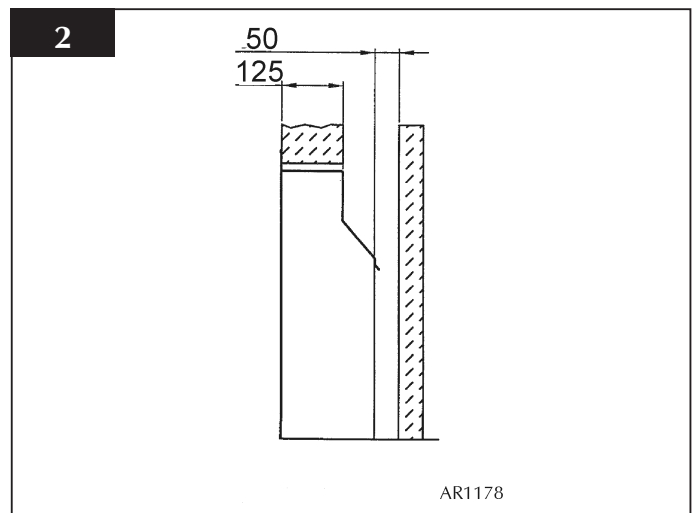
# INSTALLATION INSTRUCTIONS

## TECHNICAL SPECIFICATION

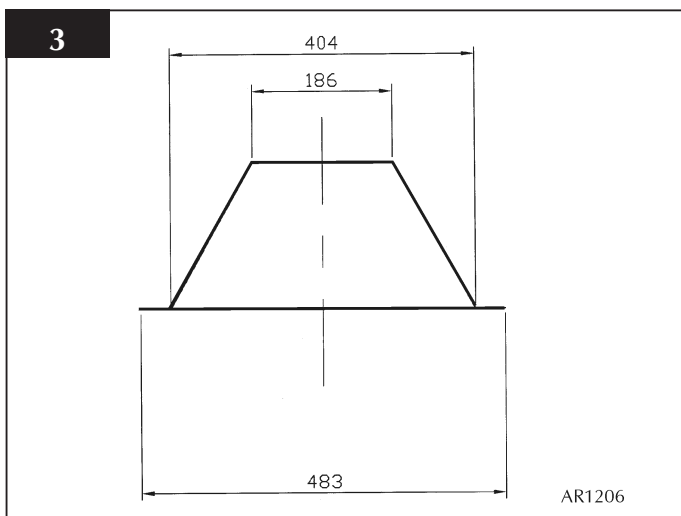


OVERALL EXTERNAL  
DIMENSIONS  
SIDE VIEW

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



OVERALL EXTERNAL  
DIMENSIONS  
PLAN VIEW



# INSTALLATION INSTRUCTIONS

## SITE REQUIREMENTS

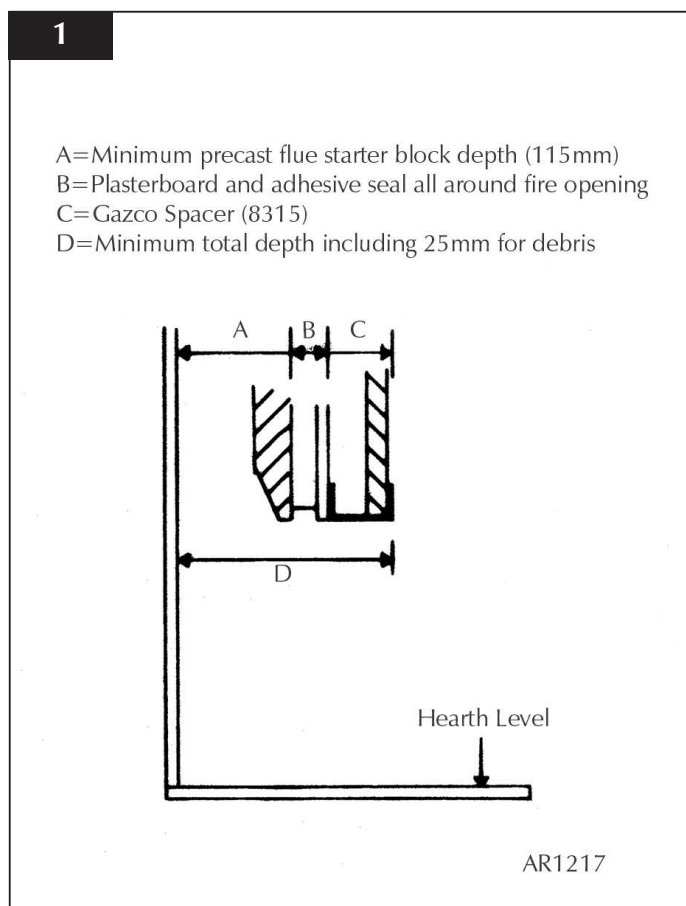
### 1. FLUE AND CHIMNEY REQUIREMENTS

- 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 mm<sup>2</sup> 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 spacer (part number 8315) with a marble slip or similar, inserted behind the spacer front flange, see diagram 1.

Or the total dept 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.**



The appliance can also be fitted into a metal fluebox 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.

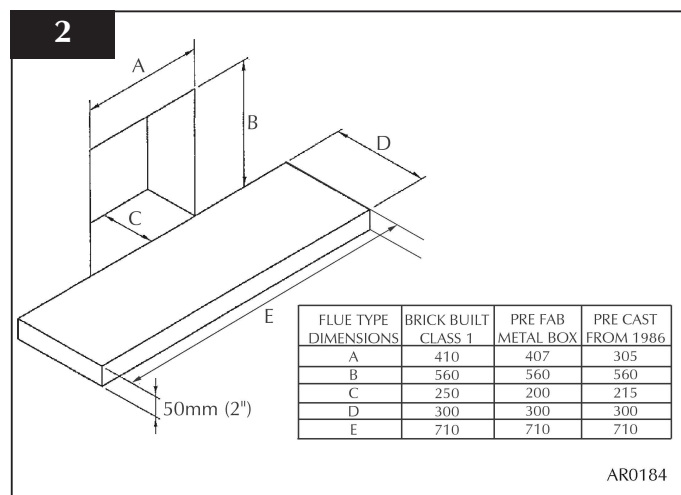
Class 1 flues. Chimneys over 9" x 9" must be lined.

- 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, pre-heat 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

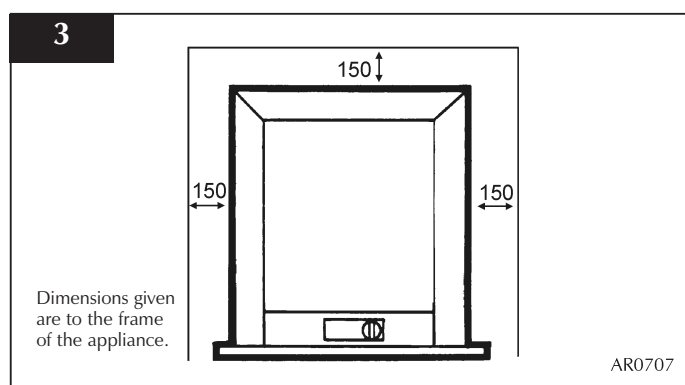
- 2.1 This appliance must stand on a non-combustible hearth that is at least 12mm thick and 50mm thick at least at the periphery. If the fire is installed greater than 50mm above the floor, then no hearth is required, although due consideration should be given to how the heat may affect the floor material.
- 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.
- 2.7 The maximum depth of combustible shelf is 150mm at a minimum height of 150mm above the fire.



### 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 any 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. CONTROL UPGRADE

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

### 3. SAFETY PRECAUTIONS

- 3.1 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.
- 3.2 These instructions must be left intact with the user.
- 3.3 Do not attempt to burn rubbish on this appliance.
- 3.4 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.
- 3.5 Keep all plastic bags away from young children.

### 4. INSTALLATION OF THE GAS SUPPLY

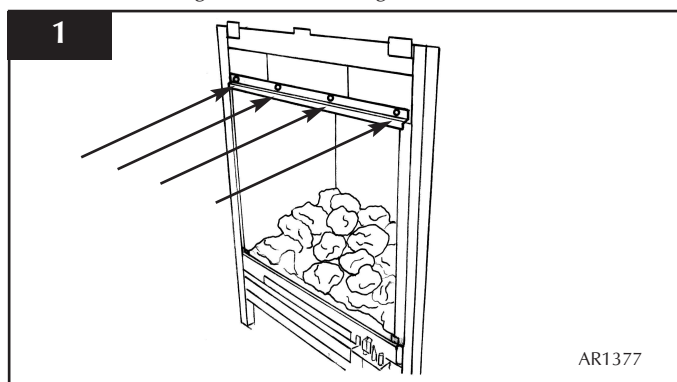
NATURAL GAS @ 20mbar	PROPANE @ 37mbar
8691MCUC	P8691MCUC
8691PBUC	P8691PBUC

**TO CHANGE FROM ONE GAS TYPE TO ANOTHER A COMPLETE ENGINE ASSEMBLY WILL BE REQUIRED. SEE SECTION 7 SERVICING INSTRUCTIONS.**

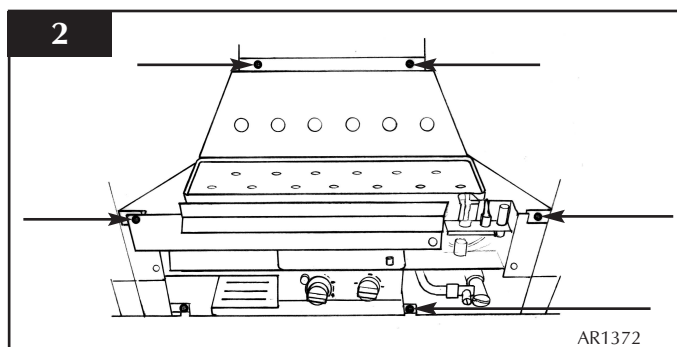
- 4.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible. See table above.
- 4.2 Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force. Please refer to the technical specification for the correct working pressure for the gas used.
- 4.3 Soft copper tubing and soft soldered joints can be used but must not be closer than 50mm (2") to the underside of the burner.
- 4.4 An isolation device is provided with the appliance.
- 4.5 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 glass window by unscrewing the four screws in the retaining bracket. See diagram 1.



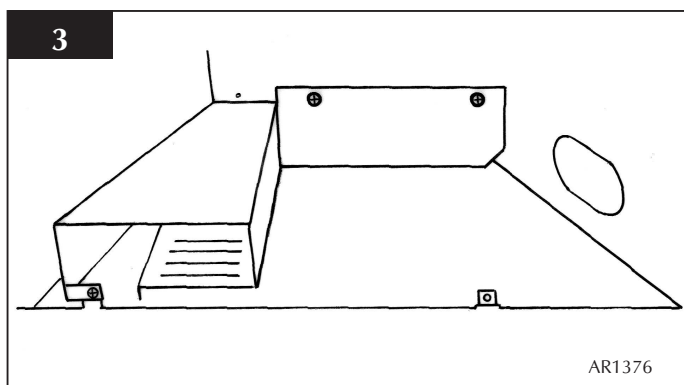
- 5.2 Remove the five burner retaining screws and withdraw the burner unit from its location. See diagram 2.



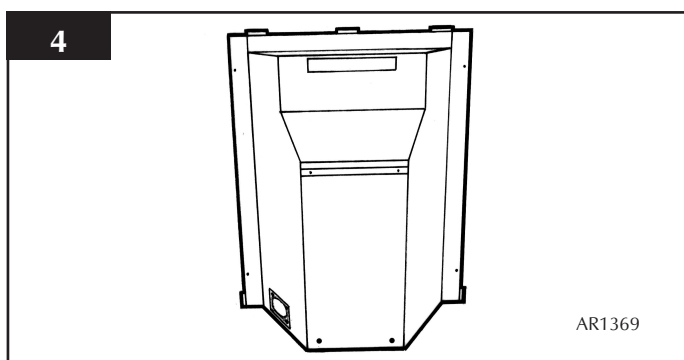
# INSTALLATION INSTRUCTIONS

## INSTALLATION

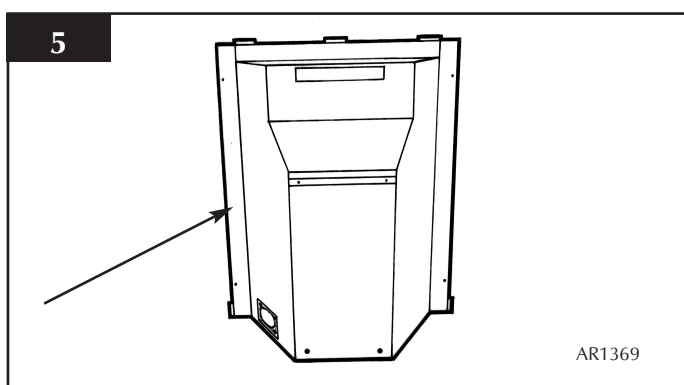
- 5.3 Decide on the retention method. If cable fixings are to be used remove the lower cover plate by unscrewing the three screws. See diagram 3.



Then remove the two knockout holes on the rear of the box using a sharp hammer blow. See diagram 4.



- 5.4 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 5.



- 5.5 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.

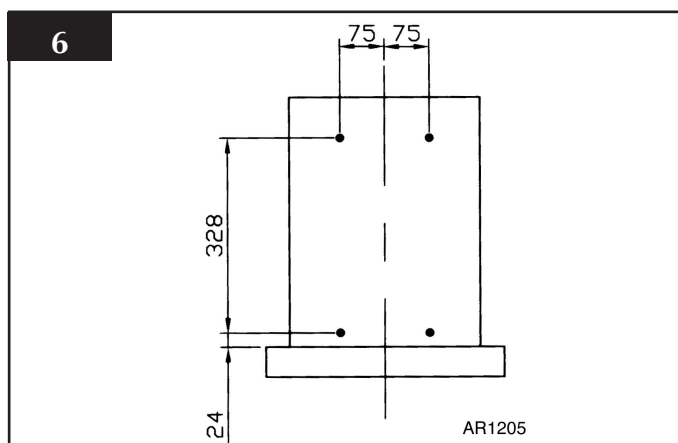
A means of isolation is provided with the appliance. This must be fitted to the supply pipe prior to installing the firebox.

## 6. INSTALLATION OF THE APPLIANCE

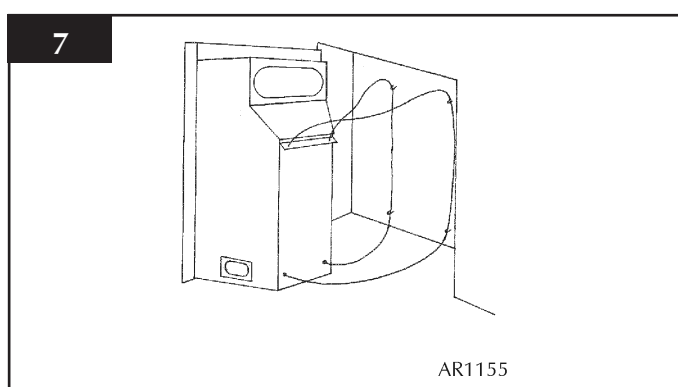
- 6.1 Ensure that the fireplace opening is in compliance with the requirements of section 2 Site Requirements then proceed as follows:

### 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 rawlplugs and screw the eyebolts in as far as possible leaving the eye horizontal. See diagram 6.



- 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 7

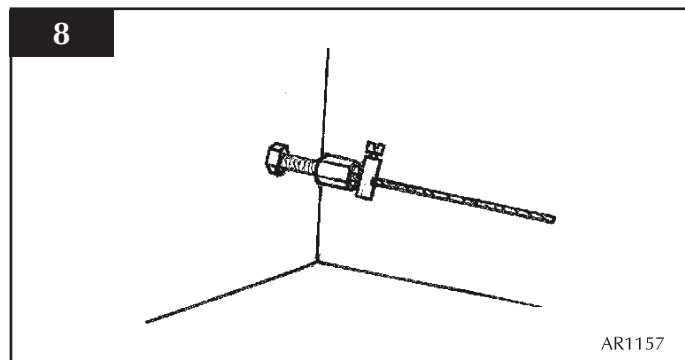


- 6.4 Pass the cables vertically through the 2 sets of eyebolts and thread the ends through the holes in the lower back of the firebox. Pass the gas supply pipe through the hole in the rubber seal (refer to section 5.2) and push the appliance into place.
- 6.5 Thread the cables through the tensioner 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).

# INSTALLATION INSTRUCTIONS

## INSTALLATION

- 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 8.



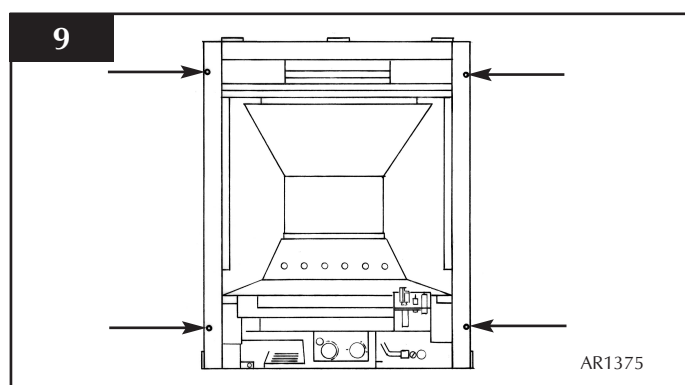
- 6.7 Coil up the surplus cable and locate in the back of the firebox.

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

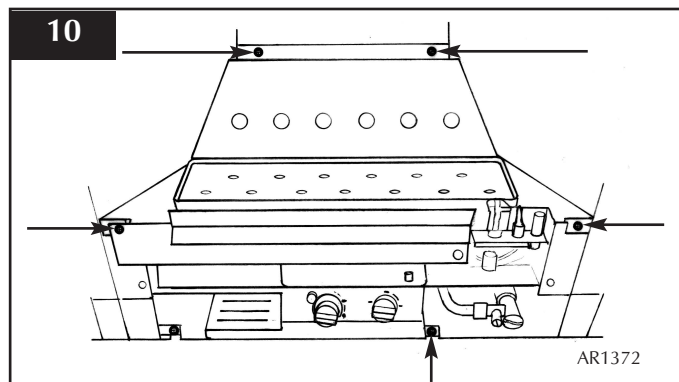
- 6.8 Replace the lower cover plate.  
**Note:** The cable adjuster may need to be tucked upward in order to fit the lower cover plate.

### B) SCREW FIXING METHOD

- 6.9 Alternatively, this appliance can be secured back to the fireplace opening using the screws and rawlplugs provided. Place the firebox centrally in the opening and mark the positions of the 4 fixing holes. Drill the holes and insert the 4 rawlplugs. See diagram 9.



- 6.10 Offer the firebox into the opening and ensure that the gas supply pipe passes through the rubber seal.
- 6.11 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 10.



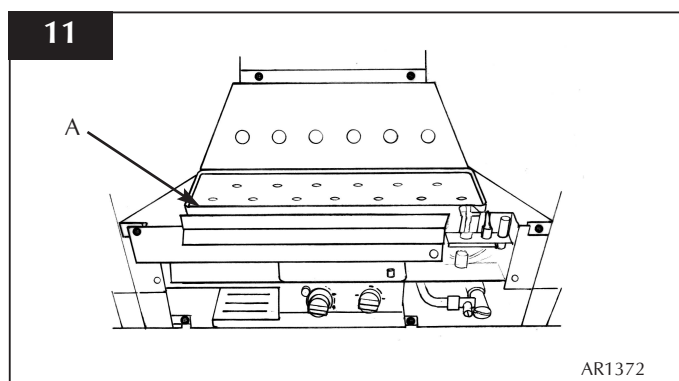
- 6.12 Turn on the gas supply to the appliance and check for leaks. Light the fire and check all joints on the appliance for leaks.
- 6.13 Remove the sealing screw from the inlet connection and connect a suitable "U" gauge manometer. Light the fire and turn to the maximum position, refer to the databadge and ensure that the running pressure is correct. If the pressure varies significantly from that on the databadge, this may indicate a supply problem and will require immediate attention.
- 6.14 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.**

**ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS.**

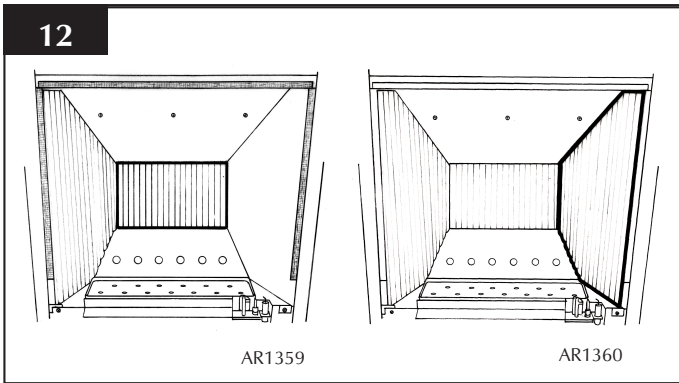
- 6.1 Position the burner cover gasket on the burner skin ensuring the holes align with the ports. Take care as the front left-hand hole is offset compared to the others. See diagram 11, arrow A.



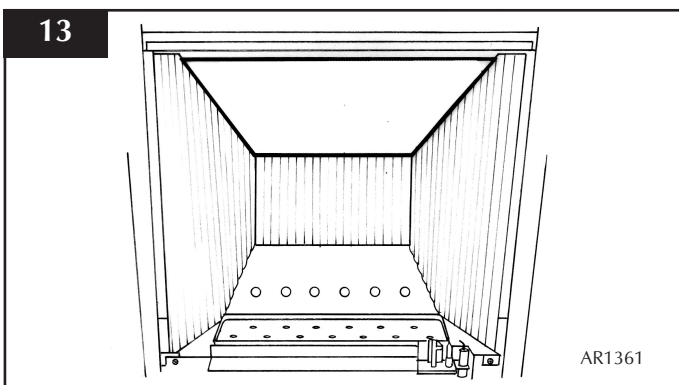
# INSTALLATION INSTRUCTIONS

## INSTALLATION

- 7.2 Place the rear panel against the rear of the box resting on the shelf. Then slide one of the side panels into the box ensuring it touches the rear panel. Then gently ease the front edge of the side panel behind the flange so it lies flat against the wall of the box. Repeat with the second side panel. See diagram 12.

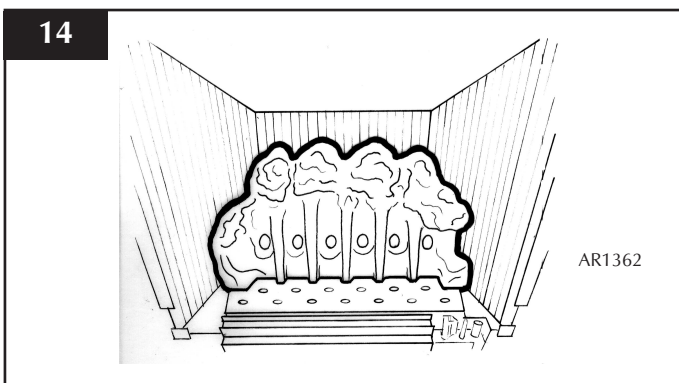


- 7.3 Locate the top panel on top of the sides and rear by lifting it up and forward inside the box. Then sliding it backwards and down behind the side panels and resting on the rear panel. See diagram 13.

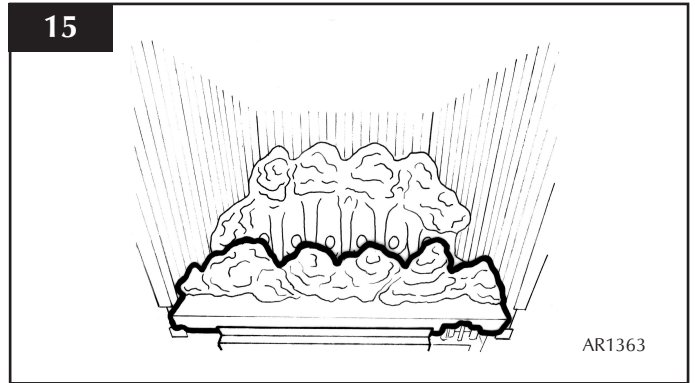


### 8. COAL LAYOUT

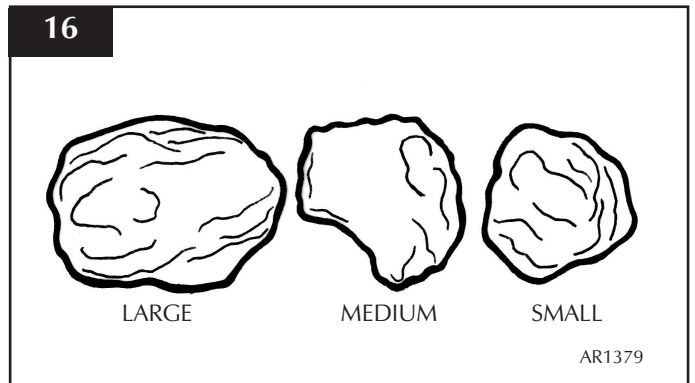
- 8.1 Position the flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin. See diagram 14.



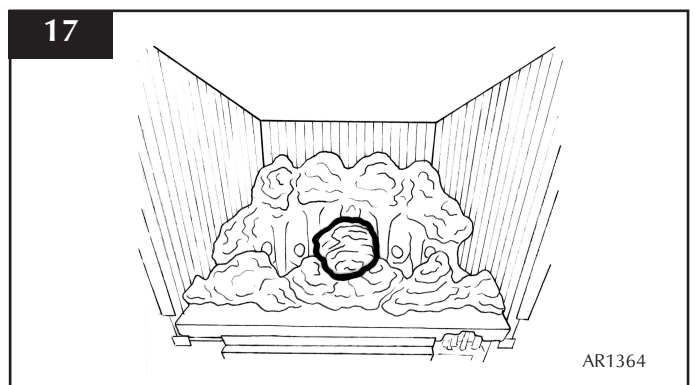
- 8.2 Place the front coal centrally in the channel at the front of the tray. See diagram 15. The relationship between the front coal and the flame baffle is shown in diagram 15.



- 8.3 There are three sizes of coal used. Small, medium and large. See diagram 16 for identification.



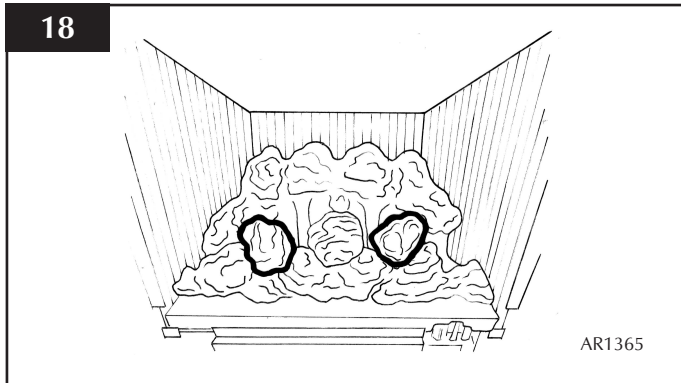
- 8.4 Place the single large coal in the depression in centre of the front coal resting against the flame baffle. See diagram 17.



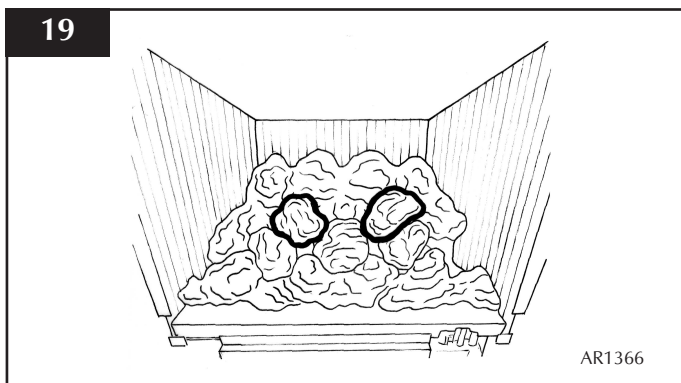
# INSTALLATION INSTRUCTIONS

## INSTALLATION

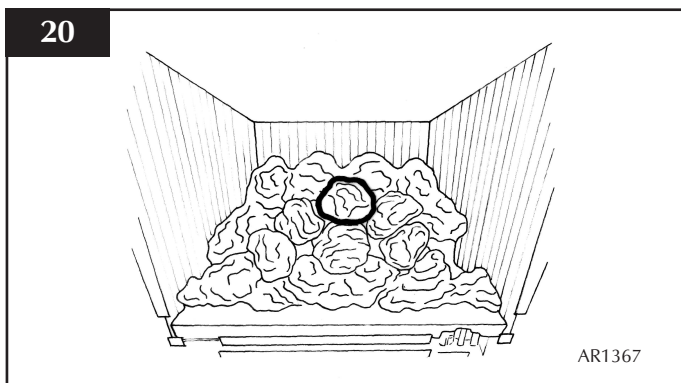
- 8.5 Place a medium size coal either side of the first large one, in the depressions in the front coal. Resting between the flame baffle and the front coal. See diagram 18.



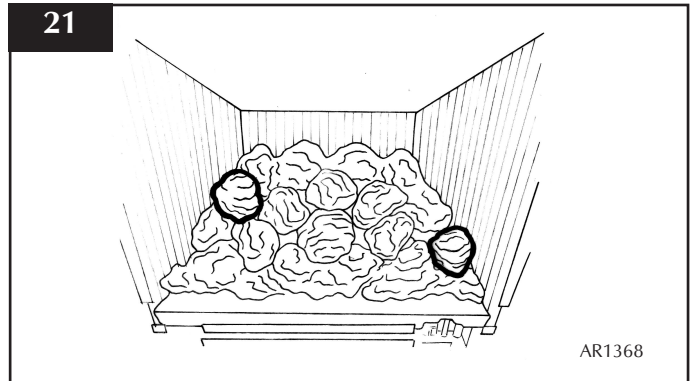
- 8.6 Place another two medium size coals resting behind the first three coals and against the flame baffle. See diagram 19.



- 8.7 Place a small coal directly behind the first large coal, and in between the centre of the last two medium coals resting on the flame baffle. See diagram 20.

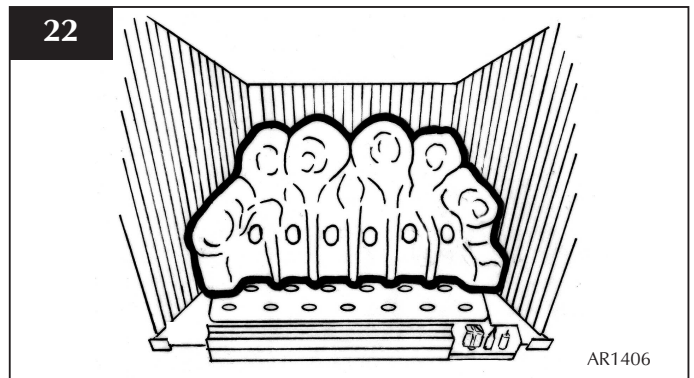


- 8.8 Place the last two small coals to the left and right hand side of the bed in the two spaces left. See diagram 21.

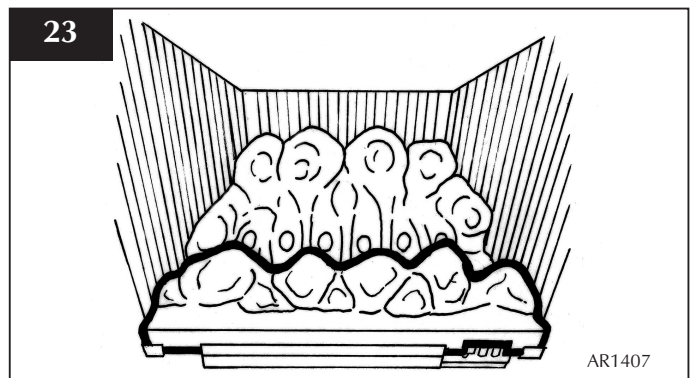


## 9. PEBBLE LAYOUT

- 9.1 Position the pebble flame baffle centrally on the tray and ensure the stepped lower edge engages against the rear edge of the burner skin. See diagram 22.



- 9.2 Place the front pebble piece centrally in the channel at the front of the tray. See diagram 23.

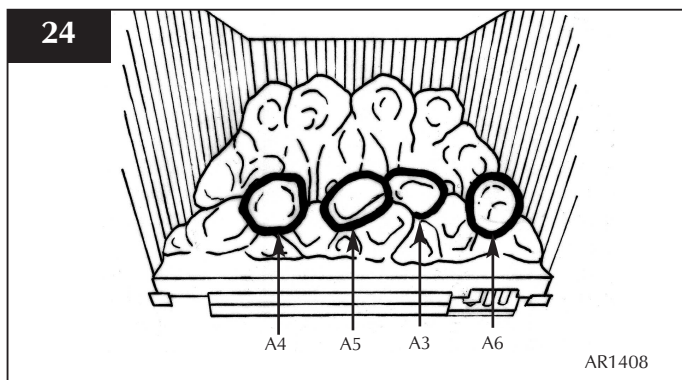




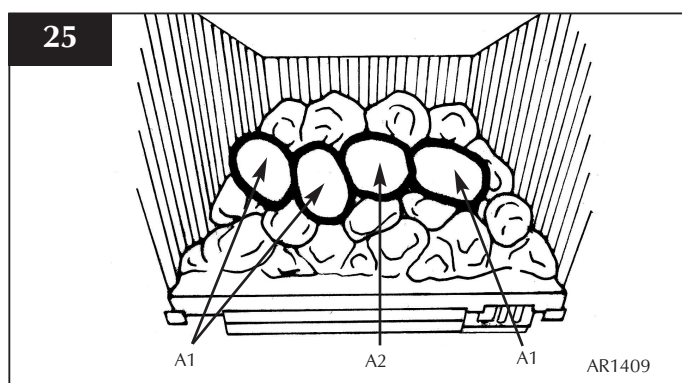
# INSTALLATION INSTRUCTIONS

## INSTALLATION

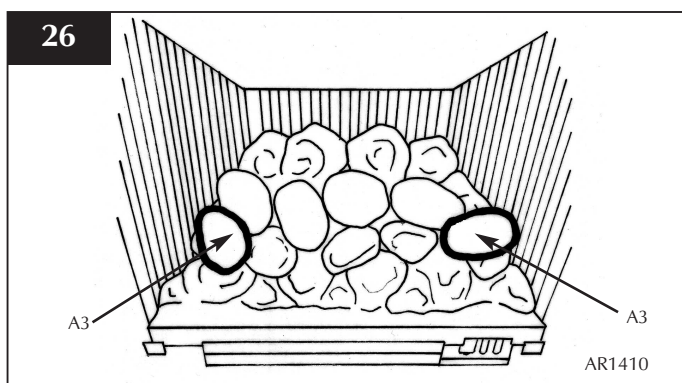
- 9.3 Place the four pebbles as identified resting between the front ceramic and the flame baffle as shown in diagram 24.



- 9.4 Place the next four pebbles as identified resting between the flame baffle and the first row of pebbles as shown in diagram 25.

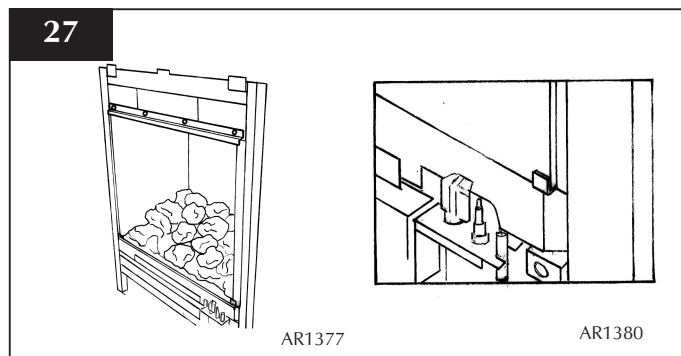


- 9.5 Place the remaining two pebbles identified as shown in diagram 26.



- 9.6 The coals/pebbles should evenly cover the whole bed with the gaps between them kept equal. This will maximise the performance of the product
- 9.7 ENSURE THAT THE COALS/PEBBLES ARE POSITIONED AS ABOVE. ONLY USE THE CORRECT AMOUNT OF COALS/PEBBLES AS SPECIFIED IN THE DIAGRAMS.

- 9.8 Ensure that the fibre glass window seal on the box is intact, then lower the glass window into the hooks on the box. Secure the window using four screws in the retaining bracket. See diagram 27



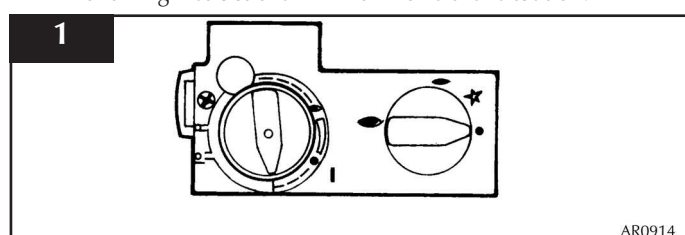
**NEVER OPERATE THE APPLIANCE WHEN THE GLASS PANEL IS REMOVED OR BROKEN.**

# INSTALLATION INSTRUCTIONS

## INSTALLATION / COMMISSIONING

### 10. LIGHTING THE FIRE

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

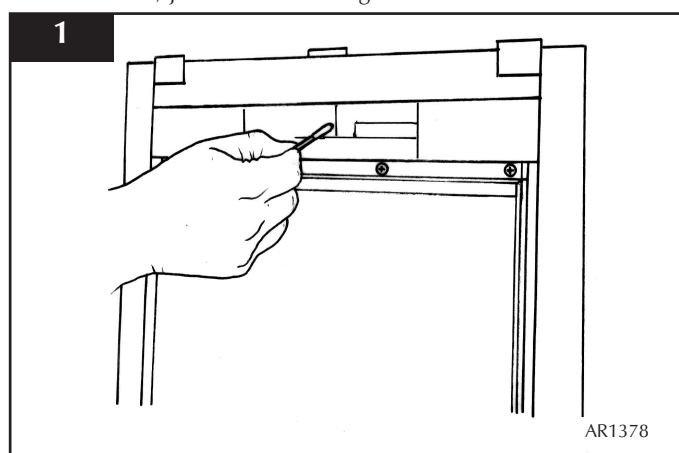


- 10.3 Ensure that the left-hand control knob is pointing to off (●).
- 10.4 Ensure that the right hand control knob is pointing to off (●).
- 10.5 Press in the right hand control knob and rotate it anti-clockwise until a click is heard (keep pressing in) and the knob is pointing to pilot (☛). The pilot should now light. If the pilot has not lit, repeat the procedure until it does.
- 10.6 Keep the control knob pressed for 10 seconds and then release it, the pilot should stay alight. If the pilot goes out, repeat the procedures until it does.
- 10.7 If the pilot will not light after repeated attempts, contact the retailer or installer from whom the appliance was purchased.
- 10.8 Turn the right hand control to point to main burner (☛). The appliance can now be controlled using the left hand control knob.
- 10.9 Turn the left hand control knob to point to low fire (☛), the main burner will light on low. The burner can now be controlled between low and high settings. Turn the control knob anticlockwise increase the flame height and clockwise to decrease the flame height.

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

### 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 of the draught diverter, just inside. See diagram 1.



- 1.2 If the fire spills, run for a further 10 minutes and re-check.
- 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.