GAZCO

Fire Your Imagination

Studio 22

Balanced Flue with Thermostatic Remote Control

IMPORTANT:
FOR EASY TO FOLLOW, STEP BY STEP VIDEO INSTRUCTIONS ON HOW TO OPERATE AND MAINTAIN YOUR GAZCO REMOTE SYSTEM GO TO WWW.GAZCO.TV

Instructions for Use, Installation & Servicing

For use in GB & IE (Great Britain & Republic of Ireland).

IMPORTANT

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423 (LATEST EDITION) IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

This product contains a heat resistant glass panel. This panel should be checked during Installation and at each servicing interval. If any damage is observed on the front face of the glass panel (scratches, scores, cracks or other surface defects), the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed, the glass panel is removed or broken.

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.

PR1014 Issue 11 (May 2018)

Contents

Studio Balanced Flue

Covering the following models:

STUDIO 22 BALANCED FLUE	
8704BFLEC	P8704BFLEC

To receive your Extended Warranty your Gazco appliance must have been purchased from our Expert Retailer Network and registered within one month of purchase or installation. Please note that all warranties are effective from the date of purchase. Any Gazco product purchased outside of our Extended Retailer Network, or not registered within the stated time will carry a standard 12 month warranty.

It is a condition of the Extended Warranty that the installation complies with the relevant Building Regulations and is carried out by a suitably trained and qualified individual (GasSafe in the UK or equivalent in other countries) with the certificate of installation and the Commissioning Report on Page 3 completed and retained by the end user.

Full terms and conditions are detailed in the Warranty Statement on the Gazco website www.gazco.com. In the event of any conflict of information the wording on the website shall prevail.

Important Note: Should any problems be experienced with your product, claims must first be submitted to the Expert Retailer where the appliance was purchased from who will offer immediate assistance or contact Gazco on your behalf.

It is a requirement of the Building Regulations 2010 that the installation of this appliance is notified to the Local Authority. It is the responsibility of the GasSafe registered installer to carry out this notification to the Local Authority via the GasSafe register Competent Persons Scheme in England and Wales (different rules apply in Scotland and Northern Ireland).

When the installation has been notified, GasSafe will send a Building Regulations Compliance Certificate to you containing details of the work completed. Please ensure that the person responsible for the installation of this appliance completes this notification and records it in the Appliance Commissioning Checklist on page 3.

IT IS YOUR RESPONSIBILITY TO COMPLY WITH THE BUILDING REGULATIONS AND BE ABLE TO PRODUCE THIS CERTIFICATE SHOULD IT BE REQUIRED IN THE FUTURE.

Appliance Commissioning Checklist

To assist us in any guarantee claim please complete the following information:-

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 N/A		
3. Spillage Test N/A		
GAS CHECK	**PASS**	**FAIL**
1. Gas soundness & let by test		
2. Standing gas pressure	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 N/A		
BUILDING CONTROL NOTIFICATION	**YES**	**NO**
1. Installer notified GasSafe/Local Authority of installation via Competent Persons Scheme?		

RETAILER AND INSTALLER INFORMATION

Retailer .....

.....

.....

Contact No. .....

Date of Purchase .....

Model No. .....

Serial No. .....

Gas Type .....

Installation Company .....

.....

.....

Engineer .....

Contact No. .....

GasSafe Reg No. .....

Date of Installation .....

User Instructions

Welcome

Congratulations on purchasing your Studio 22 fire, if installed correctly Gazco hope it will give you many years of warmth and pleasure for which it was designed.

The purpose of this manual is to familiarise you with your appliance and give guidelines for its installation, operation and maintenance. If, after reading, you need further information, please do not hesitate to contact your Gazco retailer.

WARNING

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. General

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

1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the data badge located on a plate under the main burner.

1.3 **Do not** place curtains above the appliance:
You must have 300mm (1') clearance between the appliance and any curtains at either side.

1.4 No furnishings or other objects should be placed within 1 metre of the front of the appliance.

1.5 If a shelf is fitted, a distance of 400mm above the appliance is required.

1.6 If any cracks appear in the glass panel do not use the appliance until the panel has been replaced.

1.7 Do not obstruct the flue terminal in any way, i.e. by planting flowers, trees, shrubs etc. in the near vicinity, or by leaning objects against the terminal guard.

1.8 Do not put any objects on the terminal guard; it will lose its shape.

1.9 If you use a garden sprinkler, do not let quantities of water into the flue terminal.

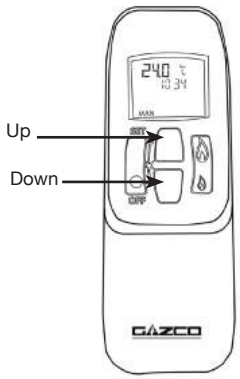
1.10 This product is guaranteed for 5 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco retailer. Please consult with your local Gazco retailer if you have any questions. In all correspondence always quote the Model Number and Serial Number.

IMPORTANT: NEVER position a television or screen above this appliance.

2. Operating the Appliance

The appliance is operated by thermostatic remote control.

1



2.1 **Turning the appliance On**
Your remote can control the gas fire from pilot ignition through to shut down.

To turn the fire on press the OFF button and the UP button simultaneously. You hear several short signals.
The pilot and main burner ignite and the remote is now in Manual Mode:

IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.

WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

2.2 There are 3 different modes available for controlling and operating the appliance:

1. Manual Mode
2. Temp Mode (Automatic)
3. Timer Mode (Automatic)

2.3 In **MANUAL MODE** you can:
— turn on the main burner using the UP button
— regulate the flame from high to low and back
— turn off the burner leaving just the pilot burning

In **TEMP MODE (Automatic)** you can:
— set the room temperature so the thermostat in the remote automatically maintains that temperature

In **TIMER MODE (Automatic)** the fire:
— turns on and off according to the set time periods
— automatically regulates the room temperature during the set periods

NOTE: When operating the fire in Temp or Timer mode, the pilot remains lit and the fire then automatically switches on at programmed times to bring the room to the set temperature whether or not you are in the room. NEVER LEAVE ANY COMBUSTIBLE MATERIALS WITHIN 1 METRE OF THE FRONT OF THE APPLIANCE.

Switching Between Modes

2.4 Press the SET button to change to Temperature Mode. Press again to change to Timer Mode. Keep pressing to run through all operating modes. These are:
— MAN
— DAY TEMP
— NIGHT TEMP
— TIMER
and back to MAN
NOTE: MAN mode can also be reached by pressing either the UP or DOWN button.

Manual Mode

2.5 Press the OFF button and the UP button simultaneously. You hear several clicks and audible beeps as the fire begins the ignition process, (up to 30 seconds).

Turning the appliance Off:

Press the OFF button to turn the appliance off

FOR SAFETY, YOU MUST WAIT 30 SECONDS BEFORE LIGHTING THE FIRE AGAIN.

Increasing the Flame Height:

Press the UP button once to increase flame height one stage. Press and hold the UP button to increase to maximum.

Decreasing the Flame Height:

Press the DOWN button once to decrease flame height one stage. Press and hold the DOWN button to decrease to minimum. At the lowest point the fire goes to 'Standby Mode' (Only Pilot lit).

NOTE: While pressing a button a symbol indicating transmission appears on the display. The receiver confirms transmission with a sound signal.

Temp Mode (Automatic)

2.6 The display shows the current **room** temperature.

To increase or decrease the fire's output:

Press the SET button to select either the DAY TEMP or the NIGHT TEMP mode by briefly pressing the SET button.

Hold the SET button until the TEMP display flashes and then let go.

Set the desired temperature with the UP and DOWN arrows. (Minimum temperature 5C, maximum 40C or 40F to 99F when Fahrenheit is the preferred option)

Press the OFF button to stop the display flashing or wait to return to TEMP mode.

NOTE: If you set a temperature that is beneath the current room temperature, the fire automatically switches to PILOT (Stand by).

If you would like the Night temperature control to turn off then decrease the temperature until [--] is displayed.

Timer Mode (Automatic)

2.7 There are two programmable settings you can make over a 24 hour period, P1 and P2. These are normally used to provide an early morning and evening setting for each working week:

P1 + ● = Start Timed Setting 1
P1 + ☽ = End of Timed Setting 1
P2 + ● = Start Timed Setting 2
P2 + ☽ = End of Timed Setting 2

2.8 **P1 - Program 1 for a Timed Setting**

Press the SET button until the TIMER mode is displayed.

Hold the SET button. The displays flashes the current time for P1. **While the time displayed is flashing you can alter the hours and minutes set**.

User Instructions

To set the time your fire first lights, change P1●
- — Press the UP button to alter the hour.
- — Press the DOWN button to alter the minutes in 10 minute increments.

Press SET again to move to the end setting for P1 ☽ This is the time your Studio first shuts down:
- — Press the UP button to alter the hour.
- — Press the DOWN button to alter the minutes.

2.9 **P2 - Program 2 for a Timed Setting**

Use the same steps outlined in 2.8 to change the setting for P2.
If you have already set P1 and want to alter the setting for P2 only:

- — Press the SET button until TIMER mode is displayed.
- — Hold the SET button **until the display flashes the current time** for P1● .
- — Press the SET button once again to scroll past the settings for P1● and P1.

With the time still flashing:

- — Press the UP button to alter the hour.
- — Press the DOWN button to alter the minutes.

Once all four times are set press the OFF button.

2.10 To view existing settings:

- — Select Timer Mode
- — Press and briefly hold the SET button you see the start time for P1
- — Repeat the above step for the start and end of each program.

Low Battery

"BATT" is displayed on the remote when its batteries need replacement.

Setting the time

Simultaneously press the up and down buttons.

Press the up button to set the hour and the down button to set the minutes.

Press OFF to return to the manual mode or simply wait.

Setting the °C/24 Hour or °F/12 Hour clock

Press OFF and the down arrow until the display changes from °C/24 hour clock to °F/12 hour clock and vice versa.

If the remote is removed, lost or damaged, signals transmitted to the receiver cease. Your fire will go to standby (pilot) mode after 6 hours.

Troubleshooting

IMPORTANT: In the unlikely event that the handset fails to communicate correctly with the appliance it may be necessary to turn off the gas supply at the isolation valve until any problems can be resolved.

The gas meter and isolation valve can be located outside in a meter box, under the stairs, beneath the kitchen sink or in the garage. Whilst this list is not exhaustive, it is important to be able to identify the location of the valve in case of any gas emergency.

To turn off the gas supply, simply turn the handle so the lever is at 90 degrees to the upright gas pipe.

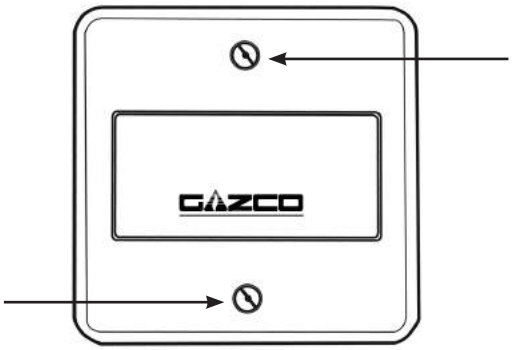
If you smell gas, open doors and windows and never operate any electrical switches. Immediately call the Gas Emergency Services on 0800 111 999.

3. Changing the Appliance Batteries

The appliance batteries are located behind the wall plate.

3.1 Undo the two screws securing the wall plate and remove, see Diagram 2.

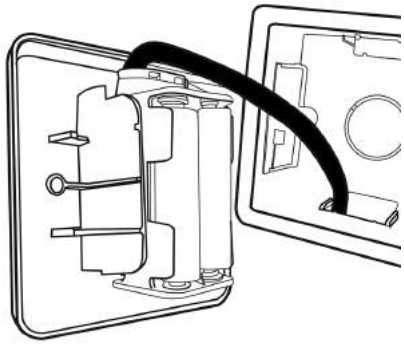
2



3.2 Unclip the battery holder from the wall plate and remove the old batteries.

3.3 Correctly position the four new AA size batteries into the battery holder. Re-assemble the battery holder as shown in Diagram 3.

3



PLEASE ENSURE NO WIRES ARE TRAPPED BEFORE REPLACING THE WALL PLATE. THE LEAD IS EASILY DAMAGED.

4. Cleaning the Appliance

4.1 Make sure the appliance and surrounds are cool before cleaning.

4.2 Use:

— A damp cloth for the painted frame.
— Soap and water to clean the glass.

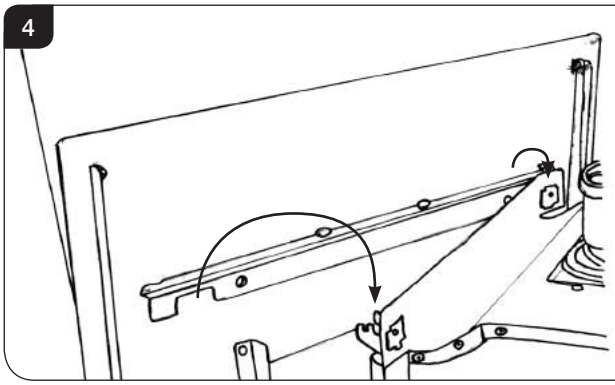
Opening the Glass Door

4.3 **Steel/ Verve Frame**

If fitted with a Steel Frame, this needs to be removed first:

4.4 Lift the frame upwards off its four support brackets, see Diagram 4.

4



Use the hexagon key provided to release the upper and lower catches on the right side of the door as follows:

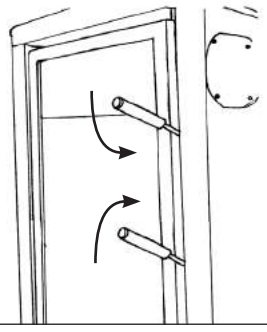
4.5 Slide the hexagon key into the gap between the door and frame and locate the catch of the upper lock.

4.6 Push the hexagon key DOWN.

4.7 Slide the hexagon key into the gap and locate the lower lock.

4.8 Push the hexagon key UP.

5



4.9 Open the door outwards.

When closing the door ensure the door catches are fully engaged.

UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED WITHOUT THE CATCHES HOLDING THE DOOR IN PLACE.

5. Arrangement of the fuel bed

Advice on handling and disposal of fire ceramics

The fuel effect of the log version of this appliance is 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

6. Log Layout

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

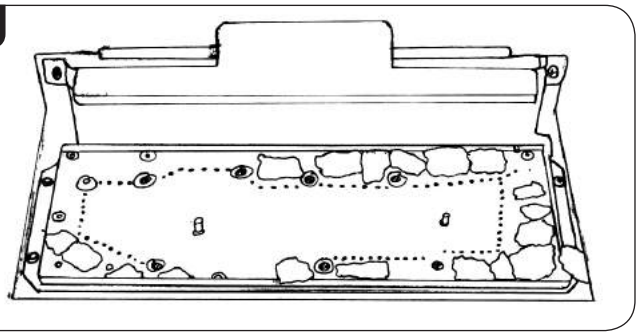
WHEN THE EMBERS ARE PLACED ON THE BURNER IT IS IMPORTANT THEY DO NOT COVER ANY PORTS!

The fuel bed is made up of embers and 6 logs, identifiable by moulded letters on their base:

6.1 Place the embers around the burner holes as shown in Diagram 6.

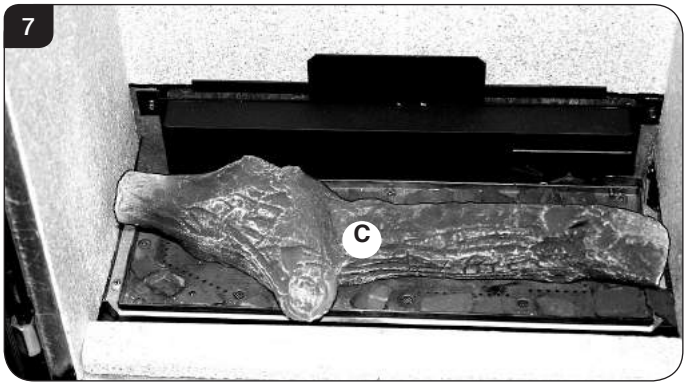
Do not cover any of the holes.

6



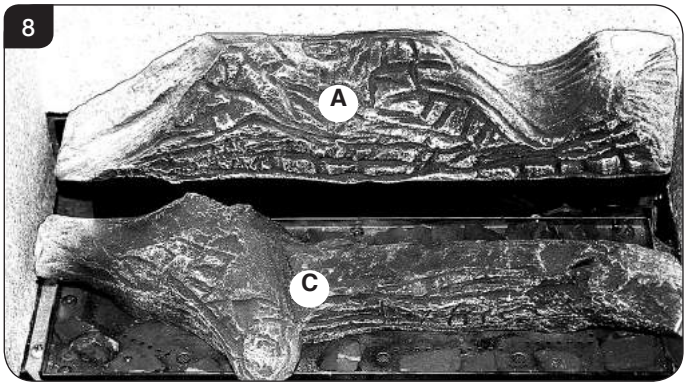
6.2 Place Log C onto the two studs on the burner skin, see Diagram 7, with charred effect of the log facing forward.

7



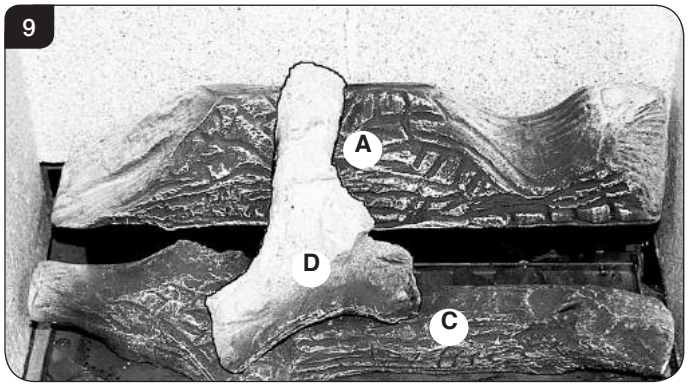
6.3 Place Log A on the ledge at the rear of the appliance, see Diagram 8.

8



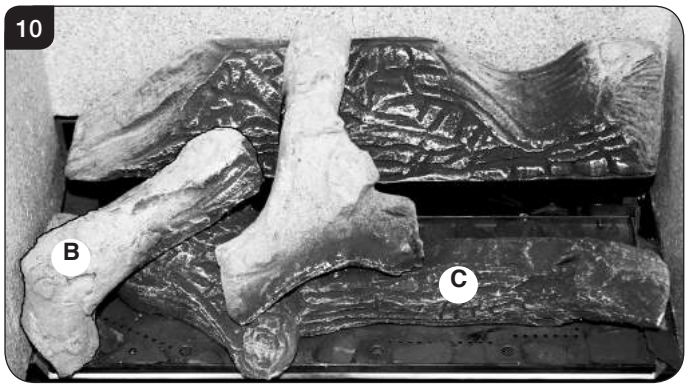
6.4 Place Log D so that the back end sits in the groove in the rear of Log A and the front left rests in the cut-out groove in Log C, see Diagram 9.

9



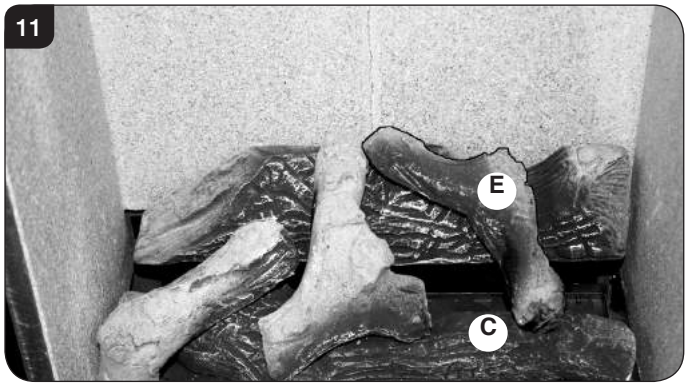
6.5 Position Log B so that the underneath rests in the groove of Log C and the triangular groove in the base of Log C fits into the corner of the burner, see Diagram 10.

10



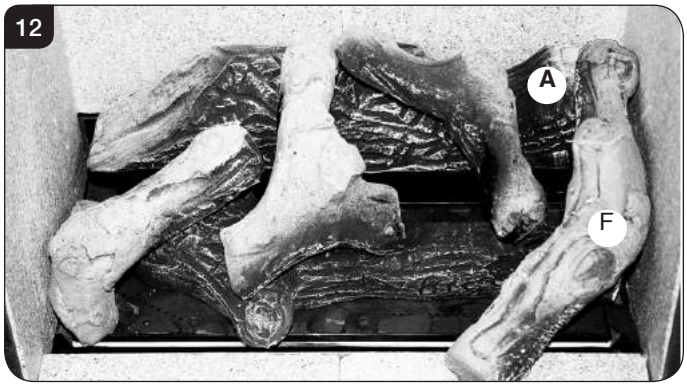
6.6 Put the groove in the base of Log E into the indent on the right of Log C. The left branch rests on the upper end of Log A, see Diagram 11.

11



6.7 Log F rests against Log C at its far right end, between Log A and the side panel. The front end of Log F sits on the front panel, see Diagram 12.

12



You must ensure the door catches are fully engaged:

6.8 Slide the hexagon key into the gap between the door and frame and locate the catch of the lower lock.

6.9 Push the hexagon key DOWN.

6.10 Slide the hexagon key into the gap and locate the upper lock.

6.11 Push the hexagon key UP.

UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED WITHOUT THE CATCHES HOLDING THE DOOR IN PLACE.

7. Flame Failure Device

7.1 This is a safety feature incorporated on this appliance which automatically switches off the gas supply if the pilot goes out and fails to heat the thermocouple.

IF THIS OCCURS DO NOT ATTEMPT TO RELIGHT THE APPLIANCE FOR 3 MINUTES.

8. Running In

8.1 During initial use of a new GAZCO appliance a strong odour will be encountered as various surface coatings become hot for the first time. Although these odours are harmless it is recommended that the appliance is operated on maximum for 4 to 8 hours in order to fully burn off these coatings. After this period the odours should then disappear.

If the odours persists, please contact your installer for advice.

8.2 During the first few hours of burning there may be discolouration of the flames. This will also disappear after a short period of use.

9. Servicing

9.1 The appliance must be serviced every 12 months by a qualified Gas Engineer. In all correspondence always quote the Model number and the Serial number which may be found on the Commissioning Checklist (Page 3).

10. Ventilation

10.1 This appliance requires no additional ventilation.

11. Installation Details

11.1 Your installer should have completed the commissioning sheet at the front of this book. This records the essential installation details of the appliance. In all correspondence always quote the Model number and Serial number.

12. Hot Surfaces

12.1 Parts of this appliance become hot during normal use.

12.2 Regard all parts of the appliance as a working surface.

12.3 Provide a suitable fire guard to protect young children and the infirm.

13. Appliance will not light

If you cannot light the appliance:

13.1 Check and change the batteries in the remote handset.

13.2 Check and change the appliance batteries (see Section 3).

13.3 Consult your Gazco retailer or installer if the appliance still does not light.

Installation Instructions

Technical Specification

Covering the following models:

STUDIO 22 BALANCED FLUE	
8704BFLEC	P8704BFLEC

Model	Gas CAT.	Gas Type	Working Pressure	Aeration	Injector	Gas Rate m^3/h	Input kW (Gross)		Country
							High	Low	
Studio 22	I_{2H}	Natural (G20)	20mbar	5mm x 16mm	530	0.715	7.5	3.75	GB, IE
	I_{3P}	Propane (G31)	37mbar	16mm x 23mm (1) 6mm x 15mm (1)	200	0.263	7.0	3.6	GB, IE
REAR EXIT WALL THICKNESS Min 200 mm - Max 550 mm									
Efficiency Class 2 - 92% / NO_X Class 4									
Flue Outlet Size Ø 100mm									
Flue Inlet Size Ø 150mm									
Gas Inlet Connection Size Ø 8mm									

The net efficiency of this appliance has been measured as specified in EN613:2001 and the result after conversion to gross using the appropriate factor from Table E4 of SAP 2012 is 83%. The test data has been certified by Kiwa Nederland BV. The gross efficiency value may be used in the UK Government's Standard Assessment Procedure (SAP) for energy rating of dwellings.

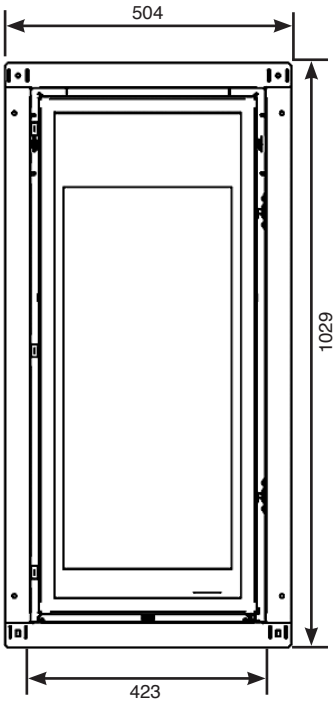
RESTRICTOR REQUIREMENT		
VERTICAL & HORIZONTAL FLUE SPECIFICATIONS		
Vertical Flue Height from Top of Appliance	Horizontal Length	Restrictor Size
200 mm - 499 mm	Up to 500 mm	No restrictor
500 mm - 999 mm	Up to 1000 mm	No restrictor
1000 mm - 1499 mm	Up to 5000 mm	Ø 70 mm
1500 mm - 3000 mm	Up to 5000 mm	Ø 60 mm
TOP EXIT - VERTICAL INCLUDING OFFSET		
Vertical Flue Height from Top of Appliance	Restrictor Size	
3000 mm - 4999 mm	Ø 52 mm	
5000 mm - 10,000 mm	Ø 47 mm	

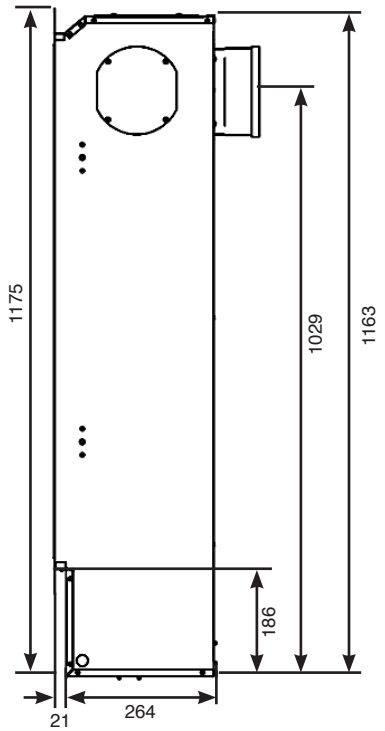
Technical Specification

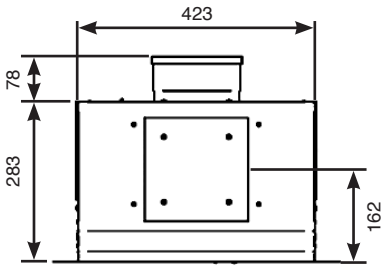
This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Gazco for further information.

PACKING CHECKLIST

Qty Description	Fixing Kit containing:
1 x Log Set	1 x Instruction Manual 4 x Wood Screws 4 x Wall Plugs 1 x Handset 4 x AA cell batteries 1 x 9v cell battery 1 x Wall box 1 x Wall plate 1 x Battery holder 1 x Foam Seal







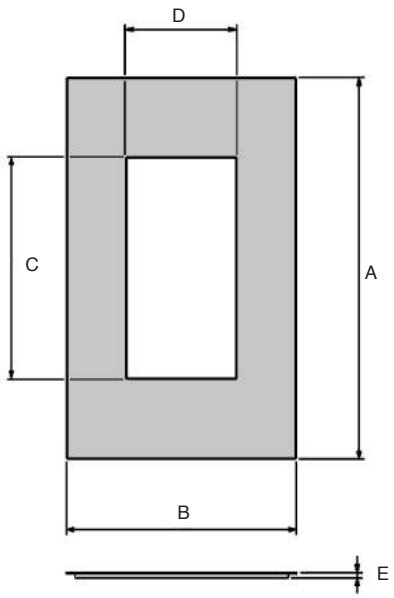
Installation Instructions

Technical Specification

Steel Frame Dimensions	
Dimension	**Size (mm)**
A	1320
B	675
C	846
D	320
E	13

Verve Frame Dimensions	
Dimension	**Size (mm)**
A	1320
B	676
C	850
D	324
E	51

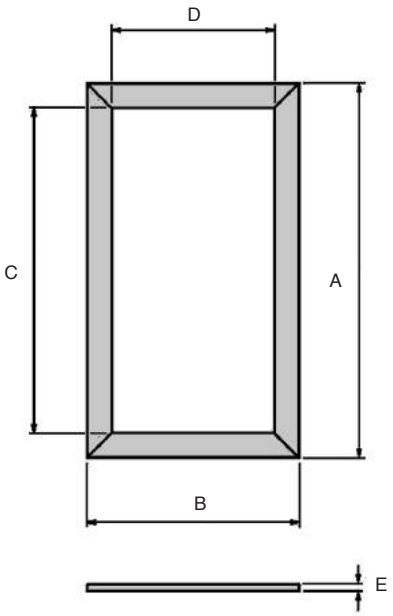
Steel/ Verve



Profil Frame Dimensions	
Dimension	**Size (mm)**
A	1036
B	510
C	940
D	414
E	12.5

Bauhaus Frame Dimensions	
Dimension	**Size (mm)**
A	1050
B	524
C	940
D	414
E	28

Profil / Bauhaus



Site Requirements

1. Flue & Chimney Requirements

Note: This appliance must only be installed with the flue supplied.

You must adhere to the following:

1.1 The flue must be sited in accordance with BS5440: Part 1 (latest edition), see Diagram 1.

1.2 Fit a guard to protect people from any terminal less than 2 metres above any access such as level ground, a balcony or above a flat roof.

1.3 All vertical and horizontal flues must be securely fixed and fire precautions followed in accordance with local and national codes of practice.

1.4 A restrictor may be required, see Technical Specifications on page 10.

1.5 Two types of flue terminals are available, horizontal and vertical.

1.6 To measure for a horizontal terminal decide on the terminal position.

1.7 Measure the height from the top of the appliance to the centre of the required outlet.

1.8 For minimum and maximum flue dimensions see Diagrams 3.

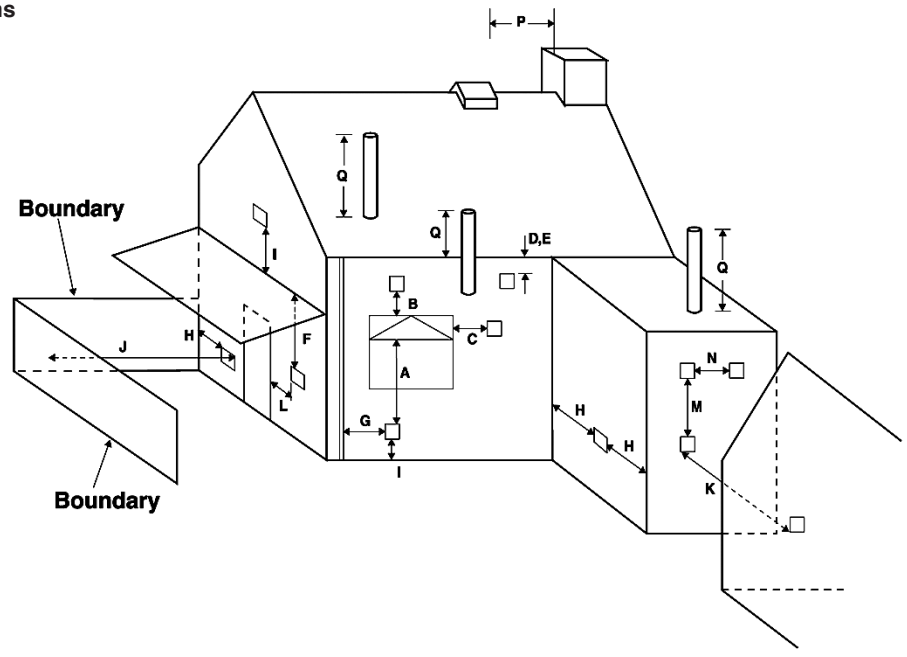
1.9 Allow enough room either above or to the side of the appliance to assemble the flue on top

1.10 Assemble a horizontal flue in the following order:
- — Vertical section
- — 90° elbow
- — Horizontal plus terminal

1.11 Support the opening of a masonry installation with a lintel.

1.12 Only the horizontal terminal section can be reduced in size.

1 **UK Dimensions**



Dimension	Terminal Position	Minimum Distance
A	Directly below an opening	600mm
B	Above an opening	300mm
C	Horizontally next to an opening	400mm
D	Below gutters, soil pipes or drain pipe	300mm
E	Below eaves	300mm
F	Below balcony or car port roof	600mm
G	From a vertical drain pipe or soil pipe	300mm
H	From an internal or external corner or to a boundary alongside the terminal	600mm
I	Above ground, roof or balcony level	300mm

Dimension	Terminal Position	Minimum Distance
J	From a surface or boundary facing the terminal	600mm
K	From a terminal facing the terminal	600mm
L	From an opening in the car port (e.g. door, window) into the dwelling	1200mm
M	Vertically from a terminal on the same wall	1200mm
N	Horizontally from a terminal on the same wall	300mm
P	From a structure on the roof	600mm
Q	Above the highest point of intersection with the roof	300mm

* In addition, the terminal should not be nearer than 300mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame.

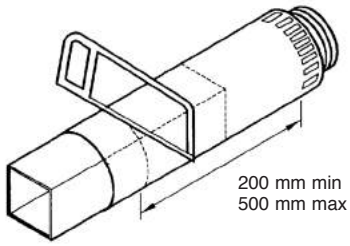
Installation Instructions

Site Requirements

2. Rear Flue (8708)

2.1 Cut to length as required on site.

2



Guard Supplied.

3. Top Exit Flues

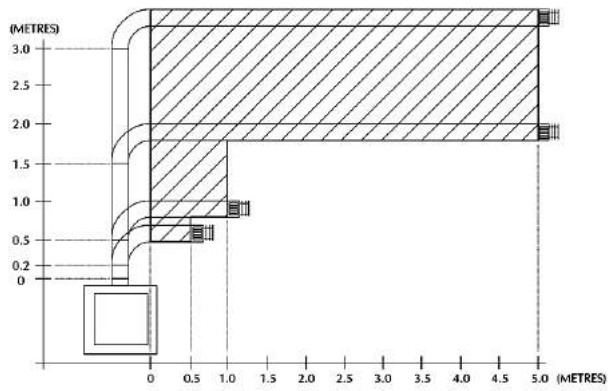
3A. Top Flue Up and Out Kit (8534)

3.1 This flue is vertical from the top of the appliance then horizontally out, see Diagram 3.

The basic kit comprises:

1 x 200mm vertical length
1 x 500mm terminal length (cut to length on site)
1 x 90° elbow
1 x wall plate
1 x 70mm restrictor
1 x 60mm restrictor

3



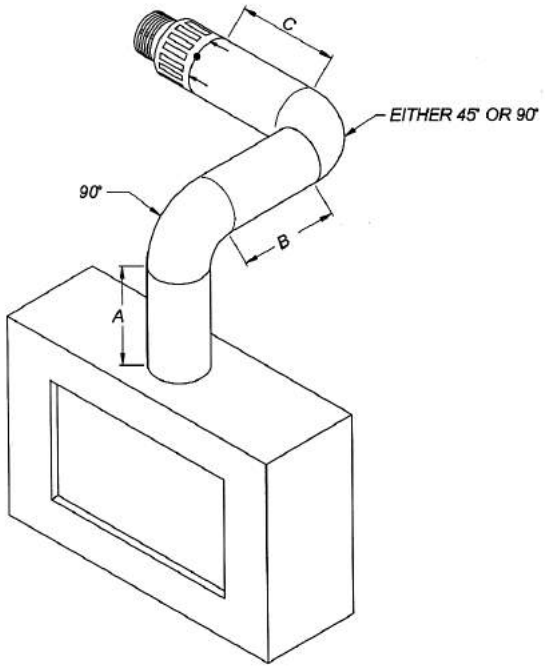
NOTE: The start of the bend to the centre line of horizontal flue is 170mm.

The centre line of vertical flue to end of bend is 220mm.

3B. Top Flue Up and Out with Additional Bend

3.2 An additional bend may be used on the horizontal section (45° or 90°), but the overall horizontal flue run will be reduced, see Diagram 4.

4



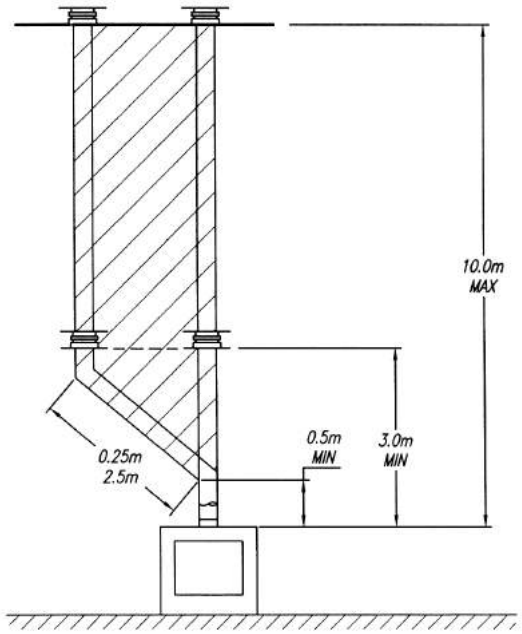
When A = 1.0 to 1.499 metes B & C = 1.0 metres maximum
When A = 1.499 metres to 3.0 metres B & C = 4.0 metres maximum

Site Requirements

3C. Top Flue Vertical Kit (8524/8524AN))

3.3 Vertical from the top of the appliance, see Diagram 5.

5



3.4 A minimum vertical rise 3m (9'10") to a maximum 10m (32'10").

The basic kit comprises:
2 x 1m lengths
1 x 1m terminal length
1 x 52mm restrictor
1 x 47mm restrictor
1 x 60mm restrictor
1 x 70mm restrictor
Extra lengths may be added to the vertical and horizontal from the table, see Section 4.

3D. Top Flue Vertical Offset Kit (8530/8530AN)

3.5 Used with kit 8524. A minimum rise of 500mm ($19^1/_2$") is required to the first bend, see Diagram 5.

4. Optional Extra Flue Lengths and Bends

4.1 All flue components are 150mm diameter (6")

Nominal Length	Actual Length	Stainless Finish	Anthracite Finish
200mm	140mm	8527	8527AN
500mm	440mm	8528	8528AN
1000mm	940mm	8529	8529AN
40° Bend	N/A	8507	8507AN
90° Bend	N/A	8508	8508AN

NOTE - Carefully consider:

a) Terminal positions
b) Flue supports
c) Weatherproofing
d) Fire precautions

For all the above options, you must conform to local and national codes of practice.

5. Gas Supply

THIS APPLIANCE IS INTENDED FOR USE ON A GAS INSTALLATION WITH A GOVERNED METER.

5.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

5.2 Ensure the gas supply delivers the required amount of gas and is in accordance with the rules in force.

5.3 Soft copper tubing can be used on the installation and soft soldered joints outside the appliance and below the firebed.

5.4 A factory fitted isolation device is part of the inlet connection; no further isolation device is required.

5.5 All supply gas pipes must be purged of any debris that may have entered prior to connection to the appliance.

5.6 The gas supply enters through the silicone panel located on the LEFT-HAND side of the outer box. Slit with a sharp knife before passing the supply pipe through

5.7 The gas supply must be installed in a way that does not restrict the removal of the appliance for servicing and inspection.

6. Ventilation

6.1 This appliance requires no additional ventilation.

Installation Instructions

Site Requirements

7. Appliance Location

7.1 Please note this appliance has been primarily designed for studwork applications. However, there are circumstances where one of the kits could be used on a block or brickwork fireplace using different methods and materials for the final effect.

The two methods of installation are:

Frame (see Installation Instructions, Section 4)
Edge (see Installation Instructions, Section 5)

7.2 This appliance must stand on a non-combustible hearth/ platform that is at least 12mm thick.

NOTE: Gazco recommended the back panel of the fireplace is constructed from natural materials cut into three or more sections to prevent cracking. Resin-based materials may not be suitable. This appliance is an effective heat producer and attention must be paid to the construction and finish of the fireplace.

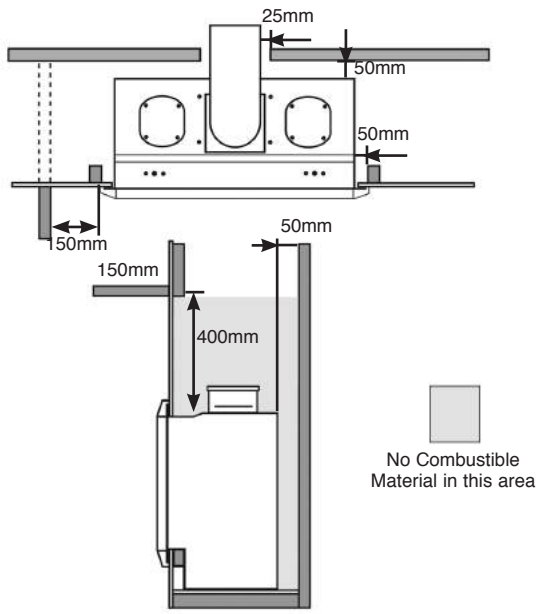
7.3 A combustible shelf must be:

— Maximum 150mm in depth.
— Minimum 400mm high above the appliance.

A combustible side wall must be a minimum of 150mm from the appliance.

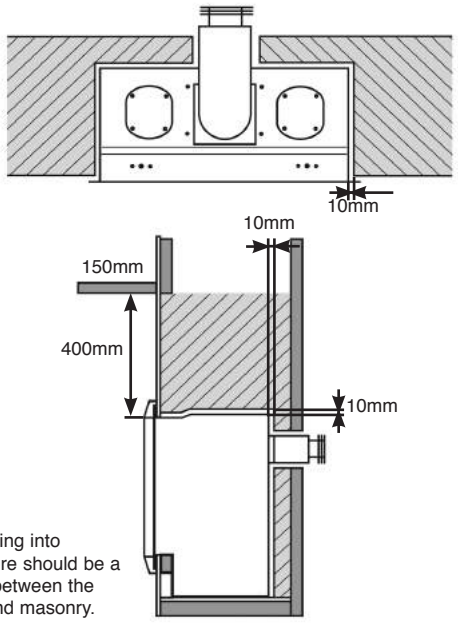
7.4 **Studwork Installation Clearances**

6 Studwork Installation Clearances



7.5 **Masonry Installation Clearances (Cavity Wall)**

7 **Masonry Installation Clearances (Cavity Wall)**



Note:
When installing into masonry there should be a 10mm gap between the appliance and masonry.

Important Note:
Masonry installation will require alteration to the building and a suitable lintel must be used to support the remaining upper wall.
Any alteration must be in accordance with the building regulations and may require local council buildings approval before proceeding.

If cavity wall insulation has been installed, it will also be necessary to take adequate structural precautions to prevent the insulation from coming into contact with the appliance.

1. Safety Precautions

1.1 For your own and other's safety, you must install this stove according to local and national codes of practice. Failure to install the stove correctly could lead to prosecution. **Read these instructions before installing and using 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 Keep all plastic bags away from young children.

1.5 Do not place any object on or near to the appliance and allow adequate clearance above the appliance.

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

IMPORTANT: REFER TO DATA BADGE AND TECHNICAL SPECIFICATION AT THE FRONT OF THE MANUAL TO ENSURE THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE.

FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SERVICING, SECTION 15, REPLACING PARTS.

Unpacking

1.6 Remove the appliance from its packaging, and check that it is complete and undamaged.

Put the loose ceramic parts to one side so that they are not damaged during installation.

2. Installation of the Appliance

REFER TO THE SITE REQUIREMENTS FOR ALL FLUE OPTIONS.

This appliance is suitable for top or rear flue exit.

— For top exit see Site Requirements, Section 3.
— For rear flue exit see Site Requirements, Section 2.

THERE IS AN OPTIONAL DUCT KIT, CODE No. 8572 WHICH CAN BE FITTED AT THE SAME TIME AS THE APPLIANCE INSTALLATION.

2.1 To open the glass door, use the hexagon key provided:

2.2 Slide the hexagon key into the gap between the door and frame and locate the catch of the upper lock.

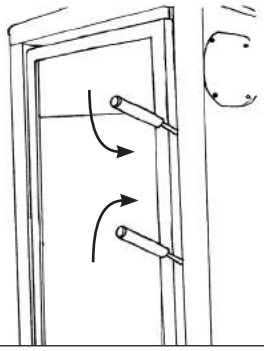
2.3 Push the hexagon key DOWN.

2.4 Slide the hexagon key into the gap and locate the lower lock.

2.5 Push the hexagon key UP.

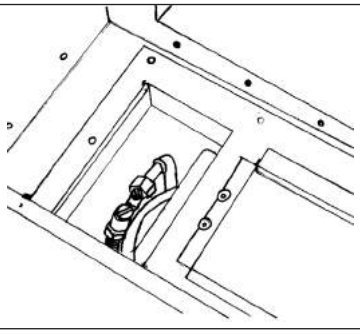
2.6 Open the door outwards.

1



2.7 The gas supply enters the appliance through a silicon panel on the floor or in the back panel of the appliance, underneath the control unit, see Diagram 2.

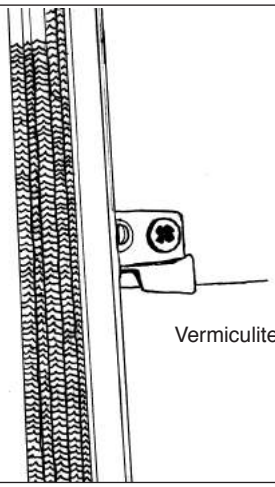
2



To access the gas pipe:

2.8 Undo the clips on the upper inside holding the vermiculite side panels in place, see Diagram 3.

3



2.9 Remove the two side panels and back panel and put to one side.

2.10 Ensure the back panel is supported when removing the side panels.

TAKE CARE WHEN HANDLING THE VERMICULITE PANELS, THEY ARE FRAGILE.

Installation Instructions

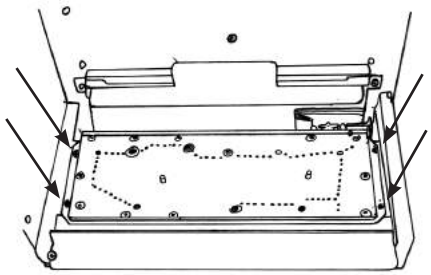
The burner can now removed:

2.11 Undo the four screws holding the burner tray in place.

2.12 Remove the burner.

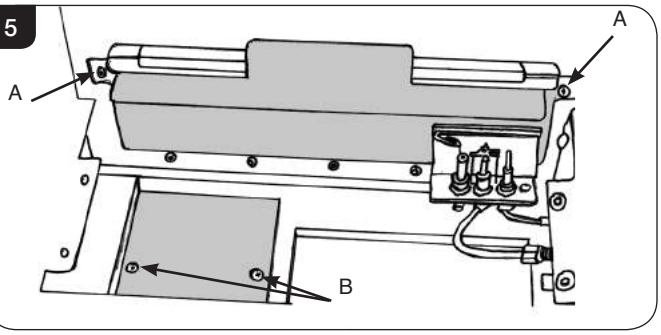
2.13 Lift the left-hand side up and out.

4



2.14 Undo the two screws in the rear air baffle to remove it, see Diagram 5, Arrow A.

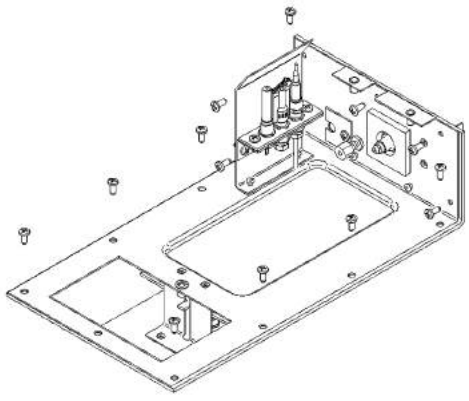
5



2.15 Remove the two screws holding the access panel in place, see Diagram 5, Arrow B.

2.16 Undo the 13 x screws fixing the control unit in place.

6

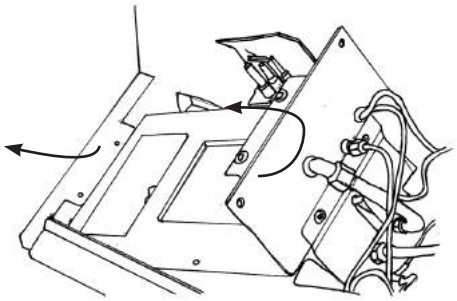


With all screws removed:

2.17 Slide the control unit to the left to clear the injector and pilot pipe work at the right side.

2.18 Lift the right-hand side up and out.

7



3. Studwork Installation

THERE ARE THREE TYPES OF INSTALLATION INTO STUDWORK DESCRIBED IN THE FOLLOWING PAGES:

1) FOR STUDIO 22 WITH EITHER THE STEEL, PROFIL OR BAUHAUS FRAME, SEE SECTION 4.

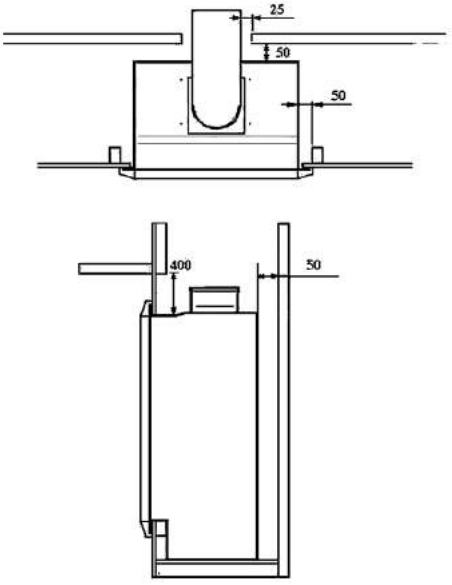
2) FOR AN INSTALLATION WHERE THE STUDIO 22 SITS FLUSH TO THE FINISHED 'EDGE' OF THE WALL, SEE SECTION 5.

3) FOR A FURTHER 'EDGE' INSTALLATION PROVIDING A COOL WALL ABOVE THE APPLIANCE TO ALLOW CUSTOMERS TO HANG PICTURES ETC, SEE SECTION 6.

3.1 <u>DISTANCE TO COMBUSTIBLE MATERIAL</u>

COMBUSTIBLE PARTS OF THE STUDWORK MUST BE KEPT BEYOND THE MINIMUM DIMENSIONS SHOWN IN DIAGRAM 8. EVEN IF THE FRAMEWORK IS PROTECTED BY NON-COMBUSTIBLE MATERIAL, YOU MUST MAINTAIN THESE DIMENSIONS, SEE DIAGRAM 8.

8



3.2 DO NOT PACK THE VOID AROUND OR ABOVE THE APPLIANCE WITH INSULATION MATERIALS SUCH AS MINERAL WOOL.

3.3 THE VOID BUILT FOR THE APPLIANCE MUST BE VENTILATED TO PREVENT A BUILD-UP OF HEAT. IF THE VOID IS SEALED, THEN YOU MUST FIT VENTS AT BOTH LOW AND HIGH LEVELS OF APPROXIMATELY 50CM^2 EACH. THESE VENTS MUST TAKE COLD AIR FROM THE ROOM AND RETURN WARM AIR BACK INTO THE ROOM

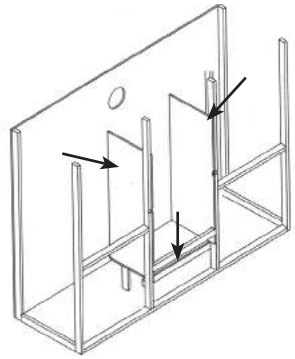
3.4 AN ACCESS HATCH MUST BE LEFT IN THE SIDE OF THE CHIMNEY BREAST FOR FUTURE SERVICING AND INSPECTION OF THE FLUE AND APPLIANCE.

4. Studwork Installation for Studio with frames

4.1 Build the studwork chimney breast and enclosures to the desired size to include the protected platform at the required height.

4.2 Line the aperture for the appliance with 12mm thick non-combustible material as shown, see Diagram 9.

9



4.3 Ensure the clearances are maintained, see Diagram 8.

4.4 Site the appliance and decide on flue requirements.

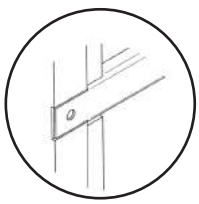
4.5 Cut a hole for the flue exit (see Installation Instructions, Flue Assembly).

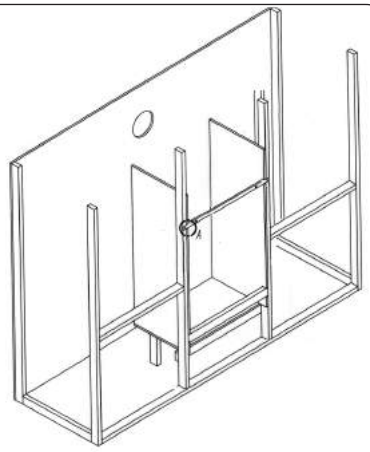
4.6 Provide gas services into the appliance void on the left-hand side.

Because no combustible material can be used above the appliance, we provide a support bar:

4.7 Mark out the position to fit the supplied top support bar into the studwork at the correct height. This bar needs to be recessed into the studwork, see Diagram 10.

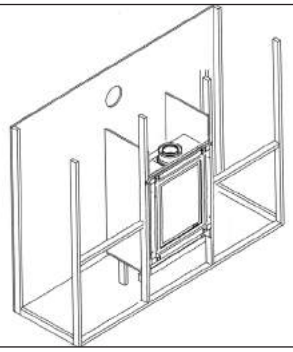
10





4.8 Fit the support bar into the studwork at the correct height, see Diagram 11.

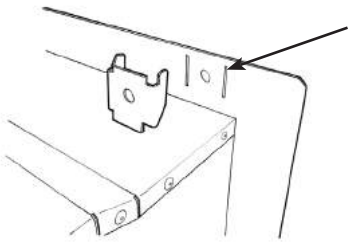
11



4.9 Attach the 4 x frame fixing brackets to the appliance by placing the top part of the bracket through the slots.

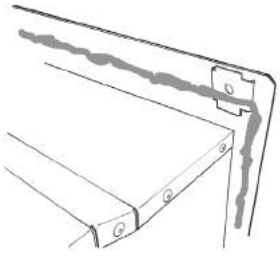
4.10 Push the bracket flat against the panel, then slide down to the stop, see Diagram 12.

12



4.11 Fix foam seal to the outer flange of the appliance, see Diagram 13.

13



Installation Instructions

4.12 Position the appliance.

4.13 Fit non-combustible board to the studwork around the appliance. This should extend a minimum of 400mm above the appliance and at least 50mm to the sides of the appliance (from the outer box, not the flanges).

4.14 Apply plasterboard to the remainder of the studwork.

4.15 Secure the appliance to the studwork using four screws through flange, bracket, support bar.

4.16 Apply a plaster finish to the front of the chimney breast.

Slips

Because of the high temperatures this appliance achieves, it is advisable to use marble slips or similar material between the appliance and the plasterboard.

Never use a one-piece slip because expansion (even cracking) can occur.

Note: If a slip is used, longer screws are needed to secure the appliance.

To finish the installation:

4.17 Connect the wall box and batteries following instruction in Section 7.

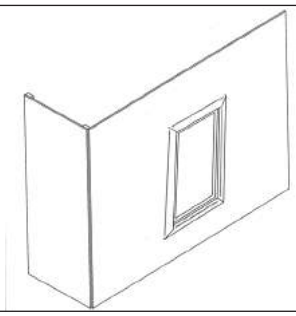
4.18 Connect:

— The flue system, see Installation, Section 8.
— Gas services, see Installation, Section 2, using the opening in the side of the chimney breast for access.

After commissioning:

4.19 Finish the sides of the chimney breast (see Diagram 14).

14



5. Studwork for Studio Edge installation kit

There is an optional Studio 22 Edge Installation Kit available for installing the appliance without a frame: Studio 22 BF Code No. 8727BFEK22. This consists of four metal brackets so that you can create a flush finish to the "edge" of the appliance.

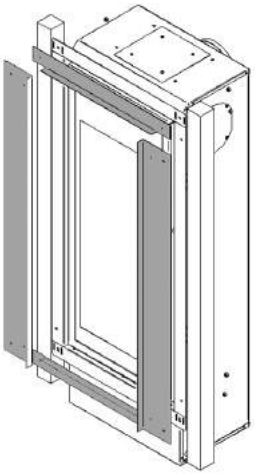
Using the installation kit:

5.1 Fit the four metal brackets of the kit to the appliance.

5.2 Fit the sides to the appliance and secure using nuts and washers provided.

5.3 Attach the top and bottom metal brackets to the top and bottom flanges of the appliance using nuts and washers provided, see Diagram 15.

15

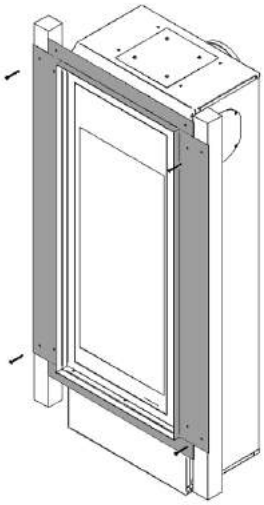


5.4 Put vertical studwork at minimum clearance to the side of the appliance (50mm).

5.5 Secure to the vertical studwork through the holes in the metal brackets fitted to the appliance (see Diagram 16).

5.6 The kit has been designed so that non-combustible board can be taken right up to the edge of the four brackets, see Diagram 17.

16



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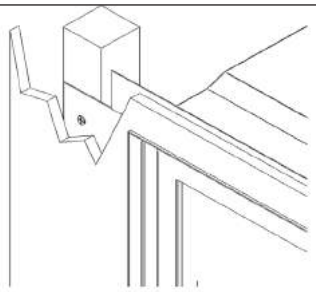


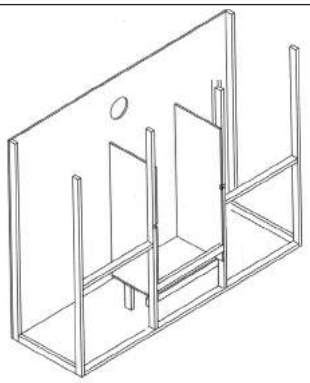
5.7 Build the studwork chimney breast to the desired size.

5.8 Ensure all clearances to combustible material are maintained, see Section 3.

5.9 Decide on flue requirements.

5.10 Cut a hole for the flue exit (see Installation Instructions, Flue Assembly).

18



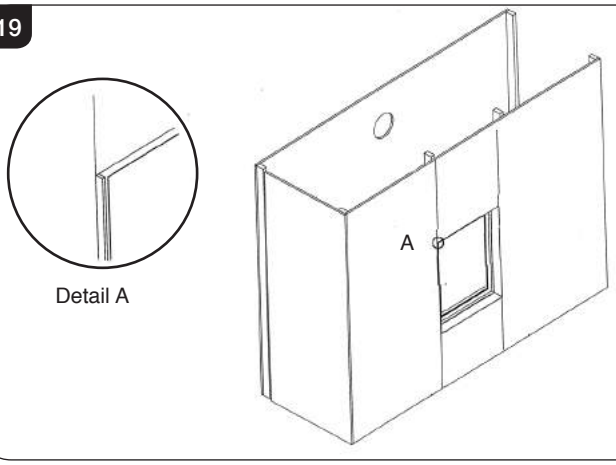
5.11 Fit non-combustible board to the studwork above and to the sides of the appliance. This should extend a minimum of 400mm above the appliance and a minimum of 50 mm to each side.

5.12 Fit plasterboard to the remaining chimney breast front.

5.13 Connect the flue system and gas services using the opening in the side of the chimney breast for access.

5.14 After commissioning, finish the sides of the chimney breast, see Diagram 19.

19



5.15 Apply a plaster finish to the chimney breast using heat resistant plaster in the area directly above the appliance.

6. Studwork for Cool Wall installation kit

There is an optional Studio 22 Cool Wall Installation Kit available for installing the appliance without a frame: Studio 22 BF Code No. 8727BFCW22. This consists of four metal brackets so that you can create a flush finish to the "edge" of the appliance.

For this cool-wall installation, the convected heat from the appliance is channelled into the studwork enclosure and vented at the top.

The cool wall installation kit is provided unfinished. This allows the kit to be finished to match the fireplace decor.

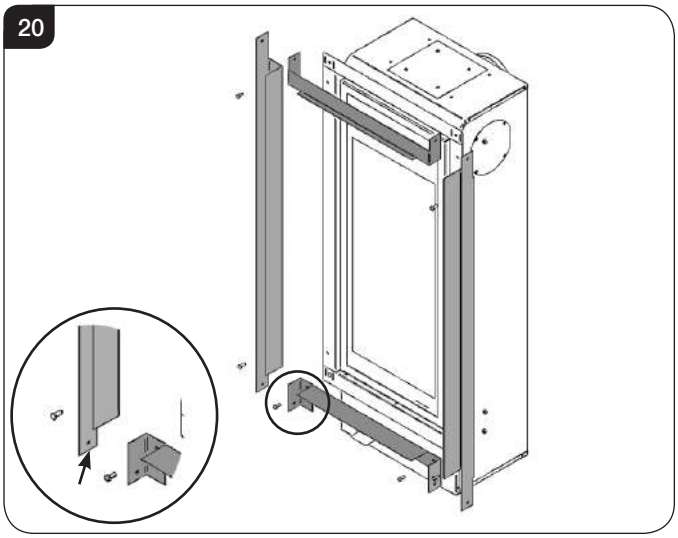
Using the fixing kit:

6.1 Fit the four metal brackets of the kit to the appliance.

6.2 Line up the side brackets with the holes in the front flange of the appliance.

6.3 Secure to the flange using the nuts, washers and bolts provided, see Diagram 20.

20

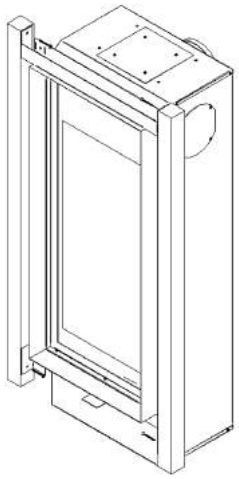


Note: Make sure the long side of the bracket is nearest the inside.

Installation Instructions

6.4 This now determines the width of your two vertical studwork supports. The kit has been designed so that non-combustible board can be taken right up to the edge of the four brackets, see Diagram 21 & 22.

21



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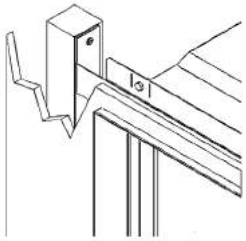
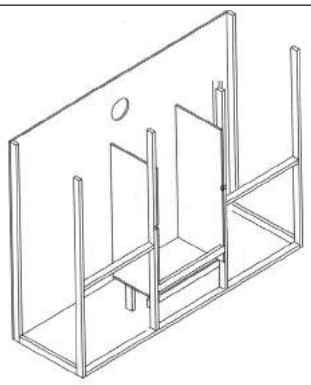


6.5 Ensure all clearances to combustible materials are maintained, see Section 3.

6.6 Decide on flue requirements.

6.7 Cut a hole for the flue exit (see Installation Instructions, Flue Assembly).

23



6.8 Secure the top bracket at each side into the studwork using the screws provided.

6.9 Secure the bottom bracket to the flange using the nuts, washers and bolts provided.

Finally:

6.10 Secure the outer part of the metal brackets into the studwork, see inset, Diagram 20.

There is a deliberate gap at the top for convected heat.

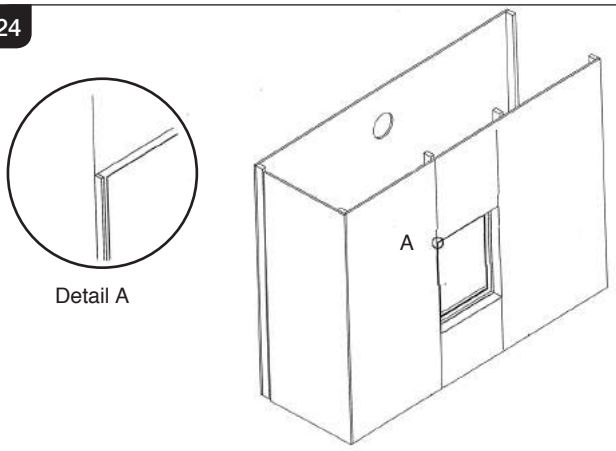
6.11 Fit non-combustible board to the studwork above the appliance. This should extend a minimum of 400mm above the appliance and a minimum of 50mm to each side.

6.12 Fit plasterboard to the remaining chimney breast front.

6.13 Connect the flue system and gas services using the opening in the side of the chimney breast for access.

6.14 After commissioning, finish the sides of the chimney breast, see Diagram 24.

24



6.15 The top of the chimney breast must have a minimum 200cm² vent.

6.16 Apply a plaster finish to the chimney breast.

7. All types of Installation - Wall Box & Batteries

Please note: As an optional extra Gazco can provide a mains adapter to supply constant power to the appliance control box instead of the battery pack.

If installing an appliance with the adapter make provision for a mains power socket within 1.5m of the control box and follow the instructions provided.

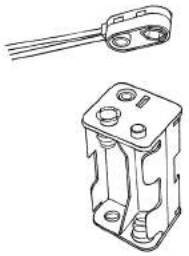
When installing the wall box allow at least 100mm of slack wire in the battery lead where it enters the appliance on the right hand side. This allows the removal of the control assembly during servicing.

7.1 Decide on the position for the wall box containing the batteries and wall plate and cut the necessary hole.

A battery power supply cable is supplied and pre-fitted to the appliance control. Provision is made for the cable to exit either the left or right of the appliance through the grommet. The cable is 3 metres long.

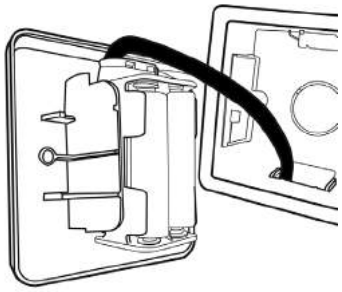
7.2 Connect the wire from the appliance to the battery pack, see Diagram 25.

25



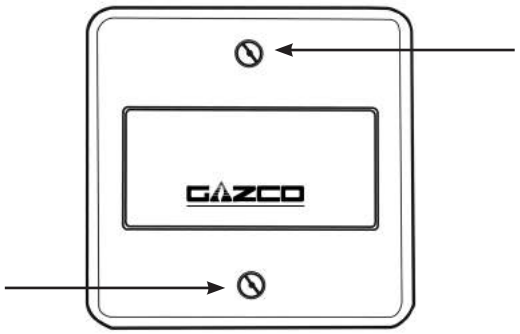
7.3 Correctly position the four new AA size batteries and re-assemble the battery holder as shown, see Diagram 26.

26



7.4 Secure the wall plate to the wall box using the two fixing screws, see Diagram 27.

27



IMPORTANT
The wall plate must be installed using a non-metallic mounting box, please ensure that the plastic dry lining box is used wherever possible. If it is intended to install the wall plate into masonry it is possible to drill through the rear of this box and secure in position using wall plugs and screws although a small amount of finishing work will be required to cover the plastic side securing tags. Alternatively a standard 47mm deep pattress box can be used to surface mount the wall plate.

PLEASE ENSURE NO WIRES ARE TRAPPED BEFORE REPLACING THE WALL PLATE. THE LEAD IS EASILY DAMAGED.

8. Flue Assembly

Three types of flue terminal are available: rear flue, horizontal and vertical.

NOTE: When switching from top to rear exit it is important that you use the spigot supplied with the Rear Flue Kit.

8.1 **REAR EXIT FLUE**

8.1.1 Remove the flue assembly and terminal guard from the box. Take care not to lose the fixings.

8.1.2 Having decided on the final appliance position and ensuring that all external flue terminal clearances are complied with, (See Section 1, Site Requirements):
- Mark the centre of the final flue position on the wall

TAKE CARE WHEN MARKING OUT FOR THE FLUE. IT IS DIFFICULT TO MOVE AFTER INSTALLATION.
A 152mm (6") diameter hole is required to install the flue. This can be achieved by either:
a) Core Drill.
b) Hammer & Chisel.

It is advisable to drill small holes around the circumference when using method b). Make good at both ends of the hole.

8.1.3 The appliance is factory set for top exit, but can be changed to a rear exit.
For a rear exit flue:
- **Discard the outer spigot from the top exit set up and use the replacement spigot supplied in the rear terminal kit**

8.1.4 **For Studwork Installation:**

To set the flue length, measure the total wall thickness, then add 30mm. This total flue length will give the minimum clearance of 50mm between the rear of the appliance and the wall.

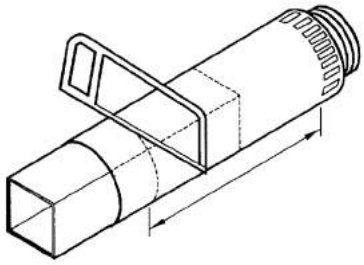
For Masonry Installation:
To set the flue length, measure the total wall thickness, then subtract 10mm. This total flue length will give the minimum clearance of 10mm between the rear of the appliance and the wall.

To cut the flue to length using a hacksaw, first insert the square cardboard fitment into the flue. This will support the inner flue. Cut through the flue and fitment, see Diagram 28.

ENSURE THE REMAINING FITMENT IS REMOVED FROM THE FLUE.

File the cut edges of the flue smooth.

28

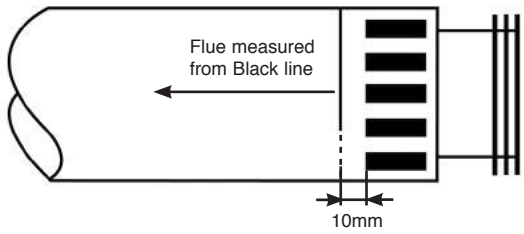


Installation Instructions

IMPORTANT NOTE: All flue dimensions are taken from the black line on the flue terminal sticker. The black line should be 10mm from the start of the air inlet holes, See Diagram 29.

29

Min: 90mm Max: 500mm



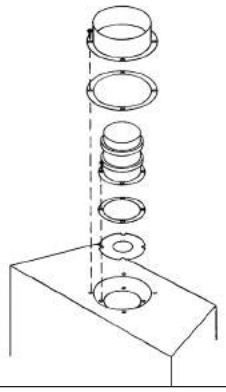
Fit the flue to the appliance and secure with the aluminium tape supplied.
Any terminal which is less than 2 meters above any access (level ground, balcony or above a flat roof to which people have access), is to be fitted with the guard supplied.

8.2 **TOP EXIT FLUE**

8.2.1 There are two types of top exit flues available, one with a vertical terminal, the other with a horizontal terminal. Minimum and maximum flue lengths are shown in the Site Requirements, 2.5.

IMPORTANT: WHEN INSTALLING A TOP EXIT FLUE REFER TO THE TECHNICAL SPECIFICATIONS ON THIS PAGE FOR THE APPROPRIATE SIZE RESTRICTOR. IF A RESTRICTOR IS REQUIRED, FIT THIS BETWEEN THE SMALL OUTLET SPIGOT AND THE AIRDUCT, SEE DIAGRAM 30.

30



TOP EXIT - VERTICAL & HORIZONTAL FLUE		
Vertical Flue Height from Top of Appliance	Horizontal Length	Restrictor Size
200mm	500mm	No restrictor
500mm	1000mm	No restrictor
1000mm to 14999mm	250mm to 5000mm	Ø 70mm
1500mm to 3000	250mm to 5000mm	Ø 60mm

TOP EXIT - VERTICAL INCLUDING OFFSET	
Vertical Flue Height from Top of Appliance	**Restrictor Size**
3000mm up to 4999mm	Ø 52mm
5000mm up to 10,000mm	Ø 47mm

8.2.2 The appliance is factory set for top exit.

8.3 A 152mm (6") diameter hole in the wall or ceiling is required to install the flue. This can be achieved by either:

a) Core drill
b) Hammer and chisel

8.4 Drill small holes around the circumference when using method b). Make good both ends of the hole.

8.5 Allow enough room either above or to the side of the appliance to assemble the flue on top.

8.6 Assemble a horizontal flue in the following order:

— Vertical section
— 90° elbow
— Horizontal plus terminal

8.7 Support the opening of a masonry installation with a lintel.

8.8 Only the horizontal terminal section can be reduced in size.

To find the length:

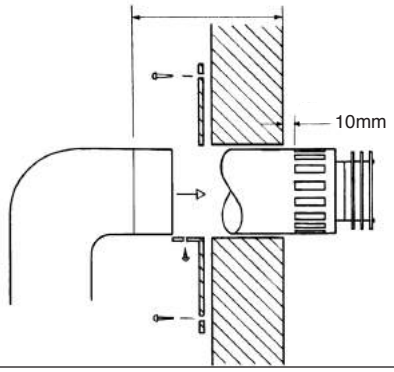
8.9 Measure from the outside of the wall to the stop on the 90°.

8.10 **Add 10 mm to the outlet end.**

8.11 Measure from the edge of the slots closest to the wall.

8.12 Mark around the flue, see Diagram 31.

31



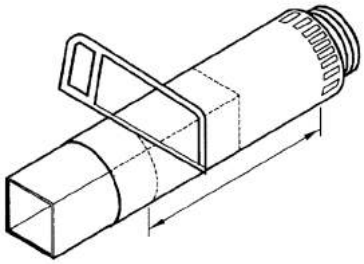
A wall plate is supplied to fix the flue to the wall:

8.13 Bend the tab to 90°.

8.14 Assemble the plate onto the flue but wait to secure to wall and flue after the flue is fully assembled, see Diagram 31.

8.15 The cardboard fitment in the terminal is used to support the flue whilst it is cut to length. **ONCE CUT TO SIZE REMOVE THE CARDBOARD REMNANT,** see Diagram 32.

32



9. Assembling the appliance

There are two possible points of entry for your gas pipe depending on the location of your appliance, one located on the underside and the other located on the left-hand side:

9.1 Choose the most suitable for your installation.

9.2 Slit with a sharp knife before bringing through the supply pipe, see Diagram 33.

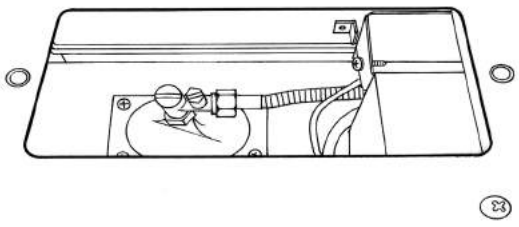
9.3 Remove the compression elbow from the appliance and connect it to the gas supply pipe.

As the appliance is fitted into the enclosure:

9.4 Pass the elbow and supply pipe through the silicone panel.

9.5 **PURGE THE SUPPLY PIPE**. This is essential to expel any debris that may block the gas controls.

33



To reassemble the control unit:

9.6 Put the left-hand side of the control unit into the left corner of the interior, before lowering down and sliding to the right.

9.7 Refix with the 13 x screws.

9.8 Connect the elbow to the appliance inlet pipe, see Diagram 33.

9.9 Remove the screw from the pressure test point.

9.10 Connect a suitable pressure gauge to the test point located on the inlet fitting.

9.11 Refit the burner.

9.12 Turn on the gas.

9.13 Light the appliance to check for leaks.

9.14 Turn off the gas.

9.15 Remove the burner.

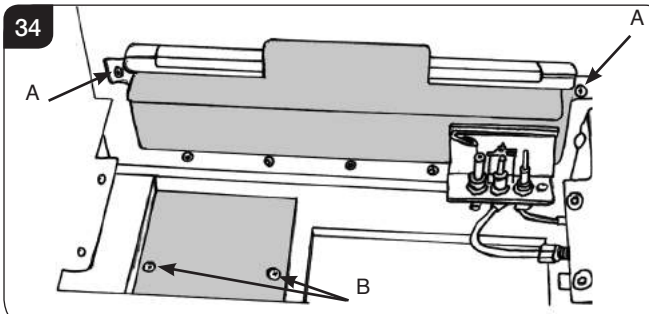
9.16 Disconnect the pressure test point.

9.17 Replace the test point screw.

9.18 Replace the access panel in the base of the appliance with the two screws (see Diagram 34, Arrow B).

9.19 Replace the rear air baffle, securing each side with the two screws, see Diagram 34, Arrow A.

34



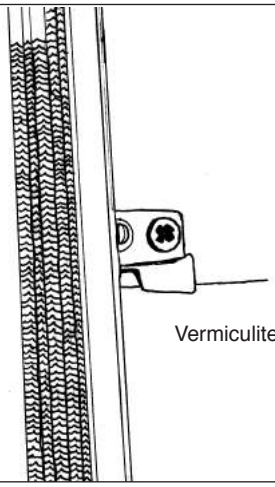
9.20 Put the burner tray in place and tighten the four screws.

9.21 Replace the vermiculite back panel.

9.22 Refit the two side panels.

9.23 Refit the clips to the upper inside to hold the side panels in place, see Diagram 35.

35



9.24 Refit the front vermiculite panel in front of the burner.

Installation Instructions

10. Arrangement of the fuel bed

Advice on handling and disposal of fire ceramics

The fuel effect of the log version of this appliance is 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.

11. Log Layout

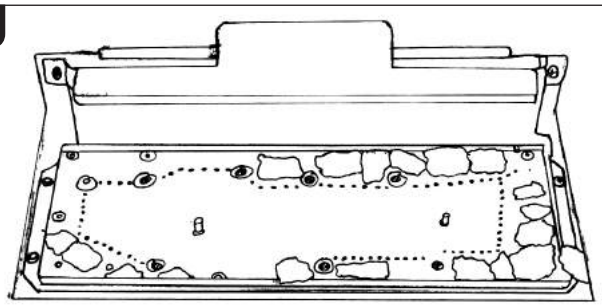
After cleaning the appliance or replacing parts, carefully re-assemble the ceramic components.

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

The fuel bed is made up of embers and 6 logs, identifiable by moulded letters:

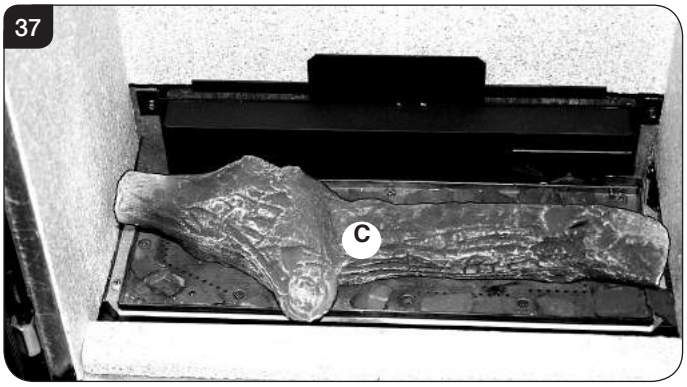
11.1 Place the embers around the burner holes as shown in Diagram 36. **Do not cover any of the holes.**

36



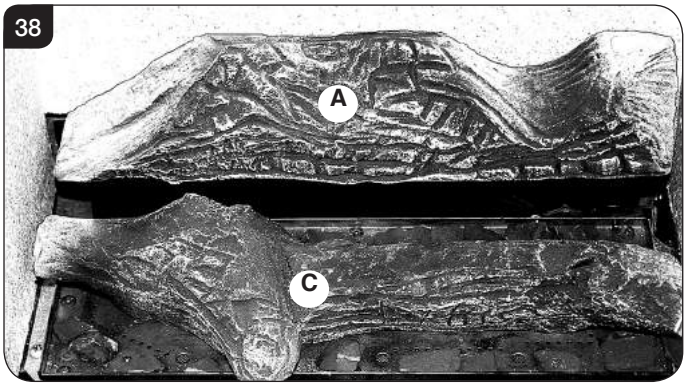
11.2 Place Log C onto the two studs on the burner skin, see Diagram 37 with charred effect of the log facing forward.

37



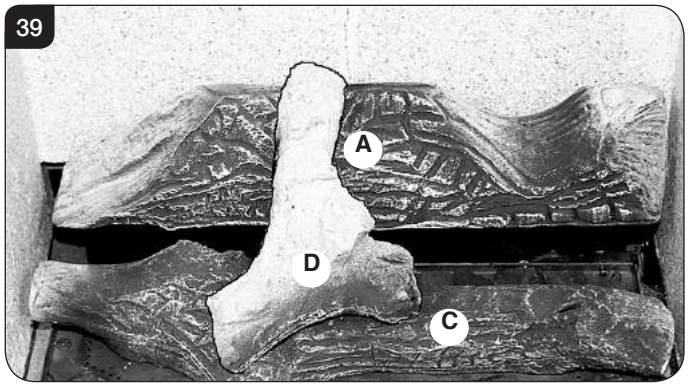
11.3 Place Log A on the ledge at the rear of the appliance, see Diagram 38.

38



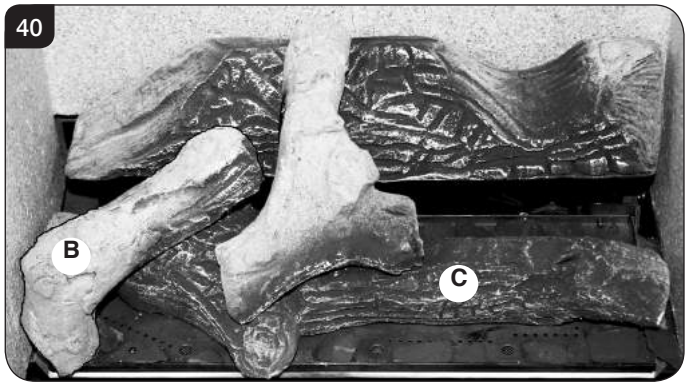
11.4 Place Log D so that the back end sits in the groove in the rear of Log A and the front left rests in the cut-out groove in Log C, see Diagram 39.

39



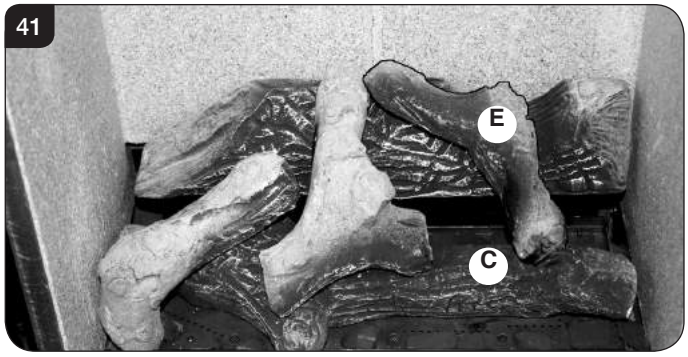
11.5 Position Log B so that the underneath rests in the groove of Log C, and the triangular groove in the base of Log C fits into the corner of the burner, see Diagram 40.

40



11.6 Put the groove in the base of Log E into the indent on the right of Log C. The left branch rests on the upper end of Log A, see Diagram 41.

41



11.7 Log F rests against Log C at its far right end, between Log A and the side panel. The front end of Log F sits on the front panel, see Diagram 42.

42

You must ensure the door catches are fully engaged:

11.8 Slide the hexagon key into the gap between the door and frame and locate the catch of the lower lock.

11.9 Push the hexagon key DOWN.

11.10 Slide the hexagon key into the gap and locate the upper lock.

11.11 Push the hexagon key UP.

UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED WITHOUT THE CATCHES HOLDING THE DOOR IN PLACE.

12. Lighting the Appliance

The appliance is operated by thermostatic remote control.

43

This remote controls the appliance from pilot ignition through to shut down.

In ‘MANUAL MODE’ you can:

— light the pilot
— turn on the main burner
— regulate the flame from low to high and back
— turn off the burner leaving just the pilot burning

In ‘TEMP MODE’ you can:

— set the room temperature so the stove automatically maintains that temperature

Installation Instructions/Commissioning

In 'TIMER MODE' the fire:

— turns on and off according to the set time periods
— automatically regulates the room temperature during the set periods

12.1 **Turning the appliance On**

Your remote can control the gas fire from pilot ignition through to shut down.

To turn the fire on press the OFF button and the UP button simultaneously. You hear several short signals.
The pilot and main burner ignite and the remote is now in Manual Mode:

Turning the appliance Off:

Press the OFF button to turn the appliance off
FOR SAFETY, YOU MUST WAIT 30 SECONDS BEFORE LIGHTING THE FIRE AGAIN.

IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.

WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

FOR FULL OPERATING INSTRUCTIONS AND TROUBLESHOOTING SEE USER SECTION.

Troubleshooting

IMPORTANT: In the unlikely event that the handset fails to communicate correctly with the appliance it may be necessary to turn off the gas supply at the isolation valve until any problems can be resolved.

The gas meter and isolation valve can be located outside in a meter box, under the stairs, beneath the kitchen sink or in the garage. Whilst this list is not exhaustive, it is important to be able to identify the location of the valve in case of any gas emergency.

To turn off the gas supply, simply turn the handle so the lever is at 90 degrees to the upright gas pipe.

If you smell gas, open doors and windows and never operate any electrical switches. Immediately call the Gas Emergency Services on 0800 111 999.

1. Commissioning

1.1 Complete the Commissioning Checklist at the front of this manual covering:

— Flue checks

— Gas checks

— Log layout - flame picture

For working pressure test, use the access panel at the gas connection ensuring the burner is in position. Refer to Installation Instructions, Section 2.

1.2 Ensure all safety checks listed in the Commissioning Section are completed, paying particular attention to the glass panel checks and securing of the glass frame.

1.3 Upon completion of the commissioning and testing of the installation and correct operation of the appliance, the installer must instruct the user how to operate the appliance.

1.4 Guide the user through the User Instructions paying particular attention to:

a) Regular servicing (Section 9 of the User Instructions).

b) Ventilation (Section 10 of the User Instructions) - point out the ventilation positions where applicable.

c) Hot surfaces (Section 12 of the User Instructions).

d) How the appliance works with the remote control handset and the modes of operation (Section 2 of the User Instructions).

e) How to change settings in the auto mode and program modes of operation.

f) What to do if the appliance fails to operate (Section 13 of the User Instructions).

1.5 **In the unlikely event that the appliance is receiving interference from other electronic devices, re-programme the handset/Control box.**

Reprogramming handset/Control box

To access the control box see Servicing Instructions, Section 7 - Main Control Assembly.

— Press and hold the reset button on the control box until you hear two signals. After the second longer signal:

— Release the reset button and within 20 seconds:

— Press the DOWN button on the handset until you hear two additional short signals confirming the new code is set. If there is a single long signal the code learning sequence has failed or the wiring is incorrect.

Servicing/Fault Finding Charts

1. Servicing Requirements

IMPORTANT – The glass panel on this appliance should be checked for any signs of damage on the front face of the glass panel (scratches, scores, cracks or other surface defects). If damage is observed, the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed. Please isolate the appliance until a replacement glass panel has been obtained and installed. Replacement glass panels can be purchased from Gazco via the retailer from which the appliance was purchased or any other Gazco distributor.

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

All tests must be carried out in accordance with the current GasSafe recommendations.

1.1 **Before Testing:**

—Conduct a gas soundness test for the property ensuring there are no leaks before servicing.
—Check the operation of the appliance before testing.

1.2 **Special checks:**

—Clean the burner using a vacuum cleaner with a soft brush attachment. Ensure all debris is removed from the burner ports.
—Clean away lint or fluff from the pilot.
—Clean away lint or fluff from under the burner.
—Check the spark gap on the pilot is correct.

1.3 Correct any faults found during the initial test.

1.4 Re-commission the appliance in accordance with Commissioning Procedures of these instructions.

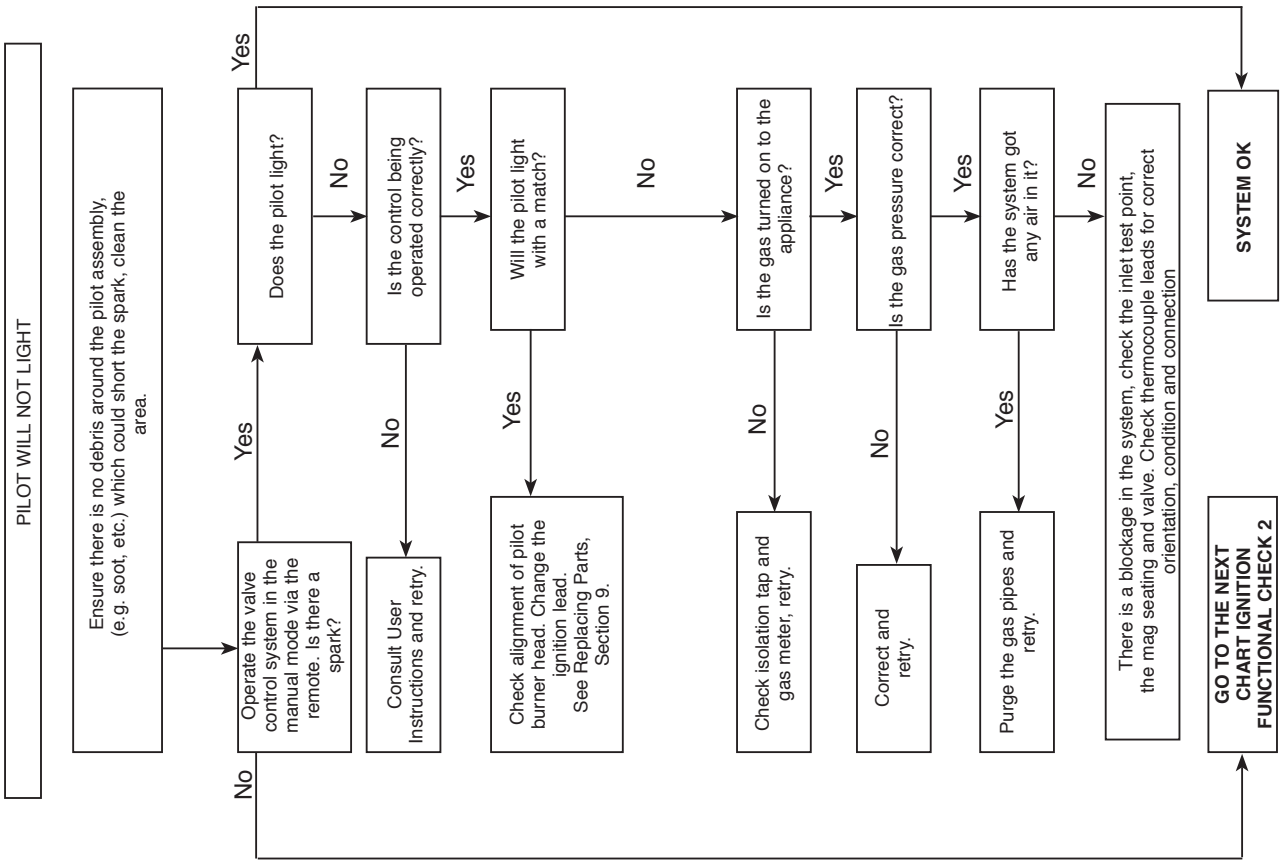
1.5 Advise the customer of any remedial work undertaken.

REPLACE BATTERIES BEFORE ATTEMPTING TO RECTIFY ANY FAULTS.

ELECTRONIC CONTROL VALVE FAULT ANALYSIS

Symptom	Cause	Remedy
Frequent beeps for 3 seconds after operation request	Batteries low in appliance	Replace appliance batteries
No ignition, 5 second continuous tone (there may be several short beeps before)	Loose/damaged wire	Check interrupter block and wires
No ignition, no tone, motor turns slightly when operated	Receiver board damaged	Replace receiver
No pilot flame and control continues to spark	Thermocouple circuit wired incorrectly	Correct wiring
Pilot lights, control continues to spark, valve shuts down after 10 - 30 seconds	1. No spark at pilot burner 2. Loose/damaged wire	1. Rectify spark at pilot burner 2. Check interrupter and wires

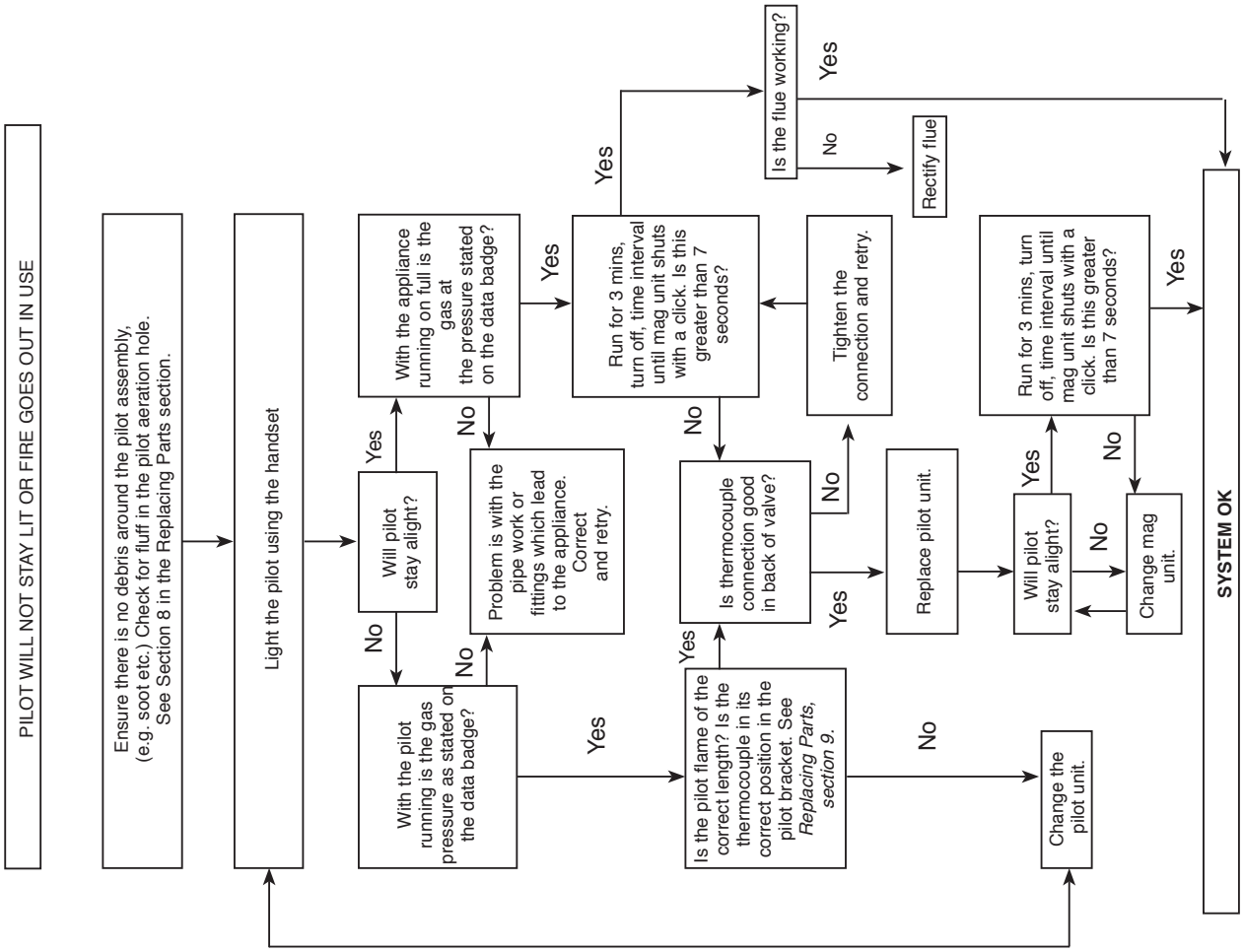
IGNITION FUNCTIONAL CHECK 1



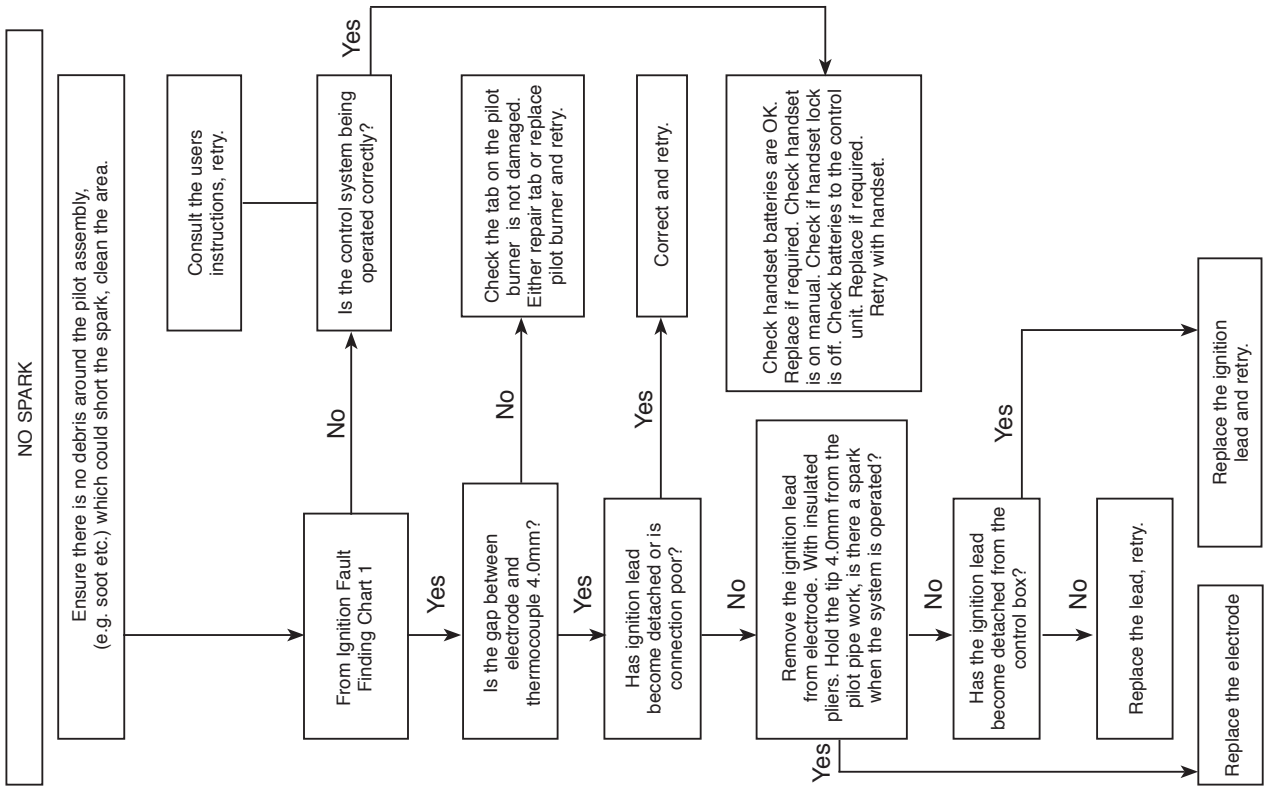
Servicing Instructions

Fault Finding Charts

FLAME FAILURE FUNCTIONAL CHECK 3



IGNITION FUNCTIONAL CHECK 2



Servicing Instructions - Replacing Parts

1. General

1.1 All main components can be replaced without removing the appliance from its installation.

IT IS ESSENTIAL THAT THE GAS SUPPLY TO THE APPLIANCE IS TURNED OFF AT THE ISOLATION DEVICE BEFORE PROCEEDING FURTHER.

1.2 **DISCONNECT BATTERIES BEFORE SERVICING THE APPLIANCE.**

Removal of Flue

1.3 **If, for any reason, the flue has to be removed from the appliance, the seal must be replaced in the inner spigot.**

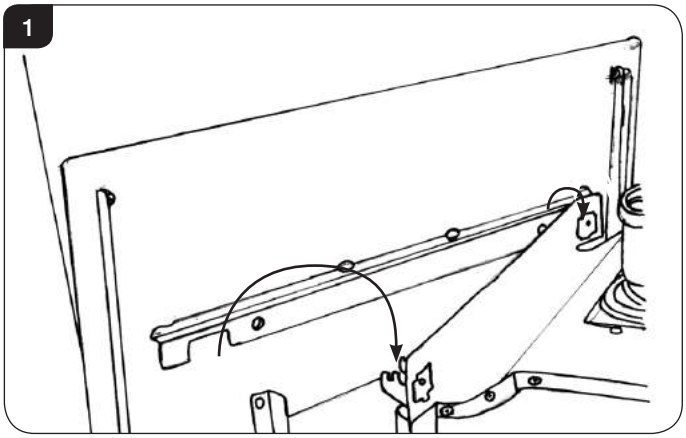
1.4 Access to the controls is restricted and the whole control assembly must be removed as one unit (see Section 7 below).

2. Decorative Frame

The same method is used to remove each frame.

2.1 Lift the frame upwards off the four support brackets, see Diagram 1.

1



**NOTE: THE STEEL FRAME IS HEAVY.
TAKE CARE WHEN LIFTING.**

3. Window Frame Assembly

Use the hexagon key provided to release the upper and lower catches on the right side of the door:

3.1 Slide the hexagon key into the gap between the door and frame and locate the catch of the upper lock.

3.2 Push the hexagon key DOWN.

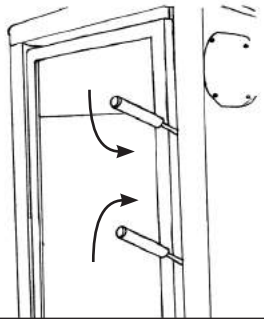
3.3 Slide the hexagon key into the gap and locate the lower lock.

3.4 Push the hexagon key UP.

3.5 Open the door outwards.

3.6 **When closing the door ensure the door catches are fully engaged**.

2

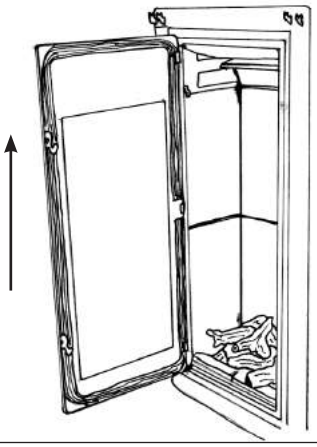


To completely remove the glass front:

3.7 Open the door at a right angle to the appliance.

3.8 Lift the door vertically off its hinges and place to one side, see Diagram 3.

3



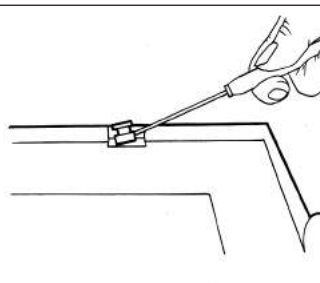
3.9 Refit in reverse order.

UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED WITHOUT THE CATCHES HOLDING THE DOOR IN PLACE.

4. Glass Window

4.1 Remove the two clips and brackets from either side of the frame, see Diagram 4.

4



4.2 Lift the glass clear from the lock bracket at the top of the frame and slide out.

Servicing Instructions - Replacing Parts

5. Vermiculite Panels

TAKE CARE WHEN HANDLING THE VERMICULITE PANELS, THEY ARE FRAGILE.

Note: Make sure you support the back panel before removing the second side panel in case the back falls forward.

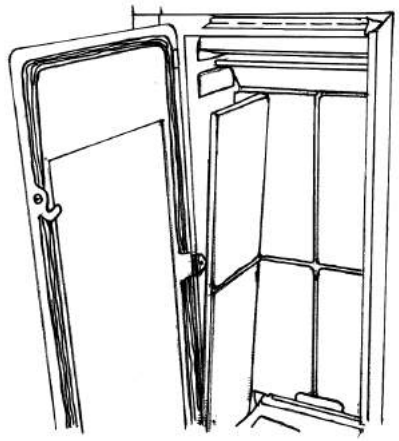
5.1 Undo the clips at the top of the side panels.

While supporting the rear panel:

5.2 Remove each side panel and place to one side.

5.3 Remove the back panel.

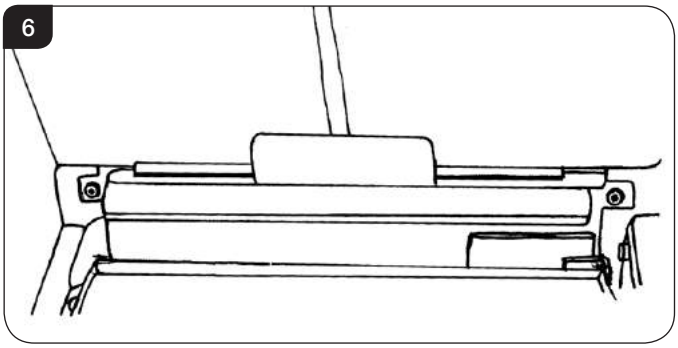
5



5.4 Remove the front lower panels.

5.5 Reassemble in reverse order, ensuring the bottom edge of the back panel is behind the Air Baffle, see Diagram 6.

6



5.6 Replace the side panels.

6. Main Burner

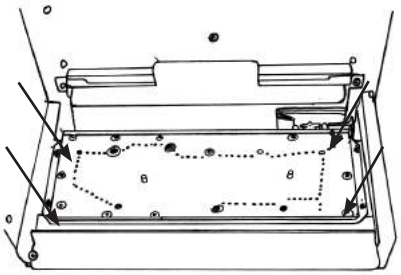
To replace the main burner:

6.1 Remove the logs and embers from the burner.

6.2 Undo the four screws holding the burner tray in place.

6.3 Lift the left side of the burner up and out first, see Diagram 7.

7



To replace the burner:

6.4 Lower the right-hand side over the injector.

6.5 Lower the left side down.

6.6 Insert the four fixing screws and tighten.

NOTE: Before replacing the burner, make sure the silicone seal around the injector is intact.

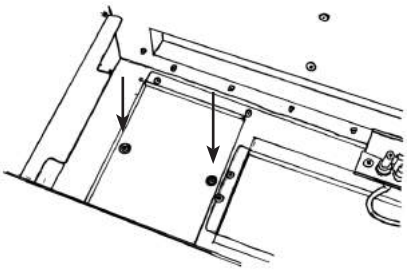
7. Main Control Assembly

7.1 To access the main control assembly first remove:

— The decorative frame if applicable
— The door
— Vermiculite panels
— Main burner
— Air baffle

7.2 To remove the access panel undo the two screws, see Diagram 8.

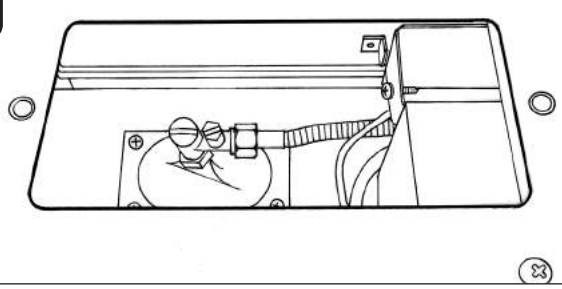
8



Servicing Instructions - Replacing Parts

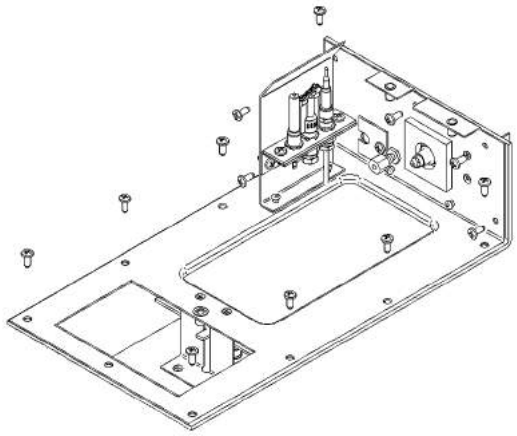
7.3 Isolate the gas supply at the isolation device and disconnect the gas inlet, see Diagram 9.

9



7.4 Undo the 13 x screws fixing the control unit in place.

10

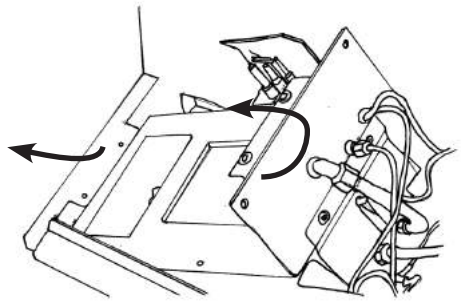


With all screws removed:

7.5 Slide the control unit to the left.

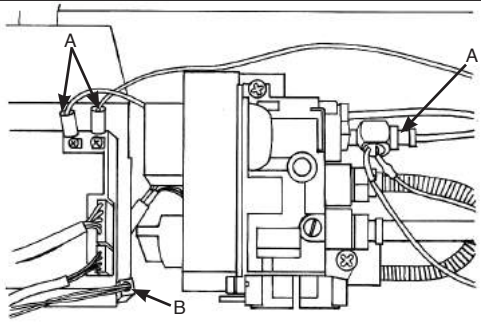
7.6 Lift the right-hand side up and out.

11



7.7 Disconnect the two cables marked 'A' in Diagram 12.

12



7.8 Disconnect the battery extension lead, Diagram 12, B

The control assembly can now be lifted up and removed.

7.9 Reassemble in reverse order.

8. Pilot Unit

The pilot assembly consists of four components which can be individually changed:

8a. Pilot burner bracket.
8b. Electrode.
8c Pilot injector.
8d. Thermocouple.

NOTE: Ensure the sealant surrounding the Pilot Injector, Electrode and Thermocouple leads is replaced if disturbed or removed whilst gaining access to these components.

8.1 Before commencing work on the pilot the Main Control Assembly must be removed (see Section 7 above).

8a. Pilot Burner Bracket

To remove the Pilot Burner Bracket:

8.2 **First remove the electrode, pilot pipe and thermocouple following points 8b - 8d below.**

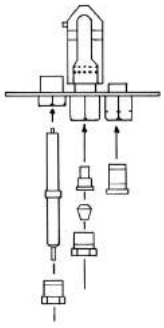
8.3 Remove the two screws securing the bracket. The pilot burner bracket can now be removed.

8.4 Replace in reverse order.

8b. Electrode

8.5 Pull the ignition lead off the electrode and undo the retaining nut, see Diagram 13.

13



8.6 Replace with a new electrode. Do not over-tighten the nut; this could break the component.

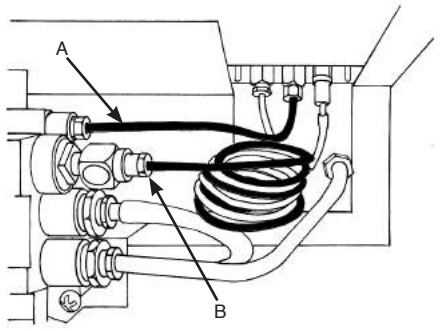
8.7 Replace the ignition lead by pushing the spade connector onto the terminal (electrode).

Servicing Instructions - Replacing Parts

8c. Pilot Injector

8.8 Undo the pilot pipe from the gas valve and from the underside of the pilot burner, see Diagram 14.

14



8.9 Remove the pipe and the injector drops out from the burner.

8d. Thermocouple

8.10 Disconnect the thermocouple from the gas valve/interrupter, see Diagram 14, Arrow B.

8.11 Undo the thermocouple nut in the back of the pilot bracket half a turn. This releases the thermocouple.

8.12 When replacing with a new thermocouple, take care to bend the new component to the same shape as the thermocouple just removed.

8.13 To refit the thermocouple into the pilot bracket, ensure it is pushed fully into the hole. There is a stop on the thermocouple to set the height.

8.14 Lock the retaining nut just enough to grip the thermocouple.

8.15 Connect the thermocouple to the valve/interrupter **taking care not to over-tighten.**

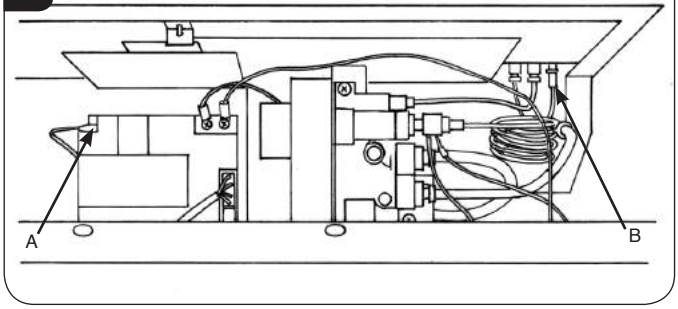
9. Ignition Lead

To replace the ignition lead:

9.1 Release the Main Control Assembly and tilt backwards, see Section 7 above.

9.2 Remove the ignition lead from the control box, Diagram 15, Arrow A.

15



9.3 Remove the ignition lead from the electrode, Diagram 15, Arrow B.

Note the direction of the lead. The new lead must follow exactly the same route.

NOTE: THE IGNITION LEAD MUST NOT PASS IN FRONT OF THE CONTROL BOX AS THIS CAN DAMAGE THE SENSITIVE ELECTRONICS.

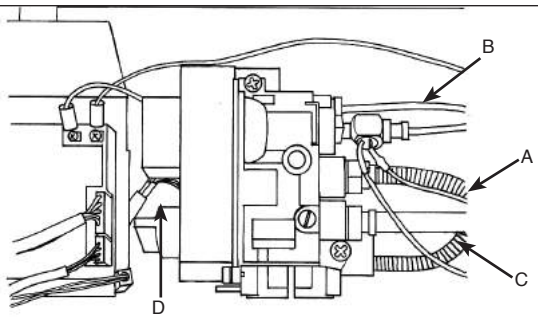
10. Gas Valve

To change the gas valve:

10.1 Remove the control assembly (see Section 7 above).

10.2 Release the gas inlet pipe, see Diagram 16, Arrow A.

16



10.3 Remove the thermocouple from the interrupter block and release the second thermocurrent cables.

10.4 Release the pilot pipe, see Diagram 16, Arrow B.

10.5 Release the gas outlet pipe, see Diagram 16 Arrow C.

10.6 Remove the wire cable, see Diagram 16, Arrow D.

10.7 Remove the two nuts securing the valve to the support bracket and withdraw the valve.

10.8 Replace in reverse order.

11. Magnetic Safety Valve

To replace the magnetic safety valve:

11.1 Undo the thermocouple from the interrupter block and remove the two interrupter leads.

11.2 Unscrew the interrupter block from the back of the valve.

11.3 Undo the silver magnetic valve retaining nut on the back of the valve.

11.4 Gently tap out the mag valve.

11.5 Replace with a new unit.

11.6 Reassemble in reverse order ensuring that the interrupter leads are connected correctly with the red tag lead nearest to the gas valve body.

Servicing Instructions - Replacing Parts

12. Control Box

12.1 To replace the control box first remove the main control assembly, See Section 7.

12.2 Remove the two thermocurrent cables by removing the two screws, Diagram 17.

12.3 Remove the ignition lead, Diagram 17.

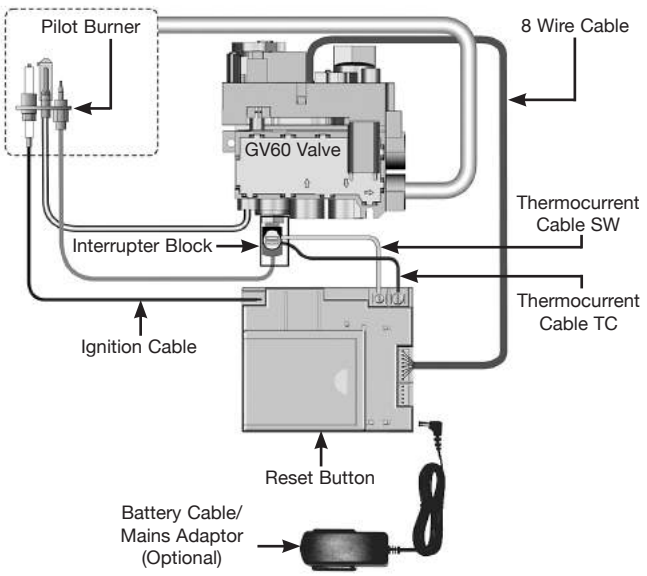
12.4 Remove the eight wire loom from the control box.

12.5 Remove the battery extension cable, Diagram 17.

The control box can now be replaced.

When replacing the sealing plate on the rear of the control cover use a suitable silicone sealant.

17



12.6 After replacing the control box you may need to reprogram the handset.

— Press and hold the reset button on the control box until you hear two signals. After the second longer signal:

— Release the reset button and within 20 seconds:

— Press the DOWN button on the handset until you hear two additional short signals confirming the new code is set. If there is a single long signal the code learning sequence has failed or the wiring is incorrect.

13. Main Injector

To change the main injector:

13.1 Undo the injector feed pipe.

13.2 Undo the lock nut from the injector.

13.3 Replace with the correct size injector.

NOTE: Take care not to damage or loose the venturi seal when removing the injector.

14. Primary Aeration Plate

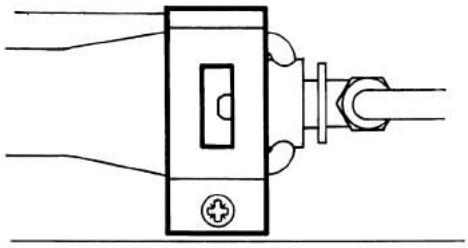
NOT ALL MODELS HAVE AERATION PLATES. REFER TO TECHNICAL SPECIFICATIONS, PAGE 10.

14.1 Remove the burner module as described in Servicing, Section 6.

14.2 Remove the fixing screw and slide the plate off the venturi.

14.3 Replace with the correct size plate and secure with the screw. Ensure the lower edge of the plate is located over the venturi flange, see Diagram 18.

18



15. Changing Between Gas Types

In order to change between gas types it will be necessary to change both the burner assembly and the complete control assembly.

A kit of parts is available. Contact your Gazco dealer for further information.

Always quote the Model number and Serial number when ordering any spare parts.

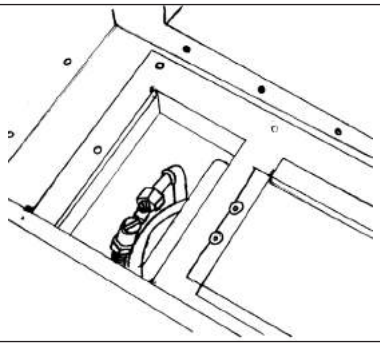
Servicing Instructions - Replacing Parts

16. Pressure and leak testing the appliance

16.1 Follow Section 7, Main Control Assembly.

16.2 Access to the pressure test point can now be reached, see Diagram 19.

19



16.3 To leak test any gas joints on the appliance, the control assembly must first be undone and tilted backwards (see Section 7).

16.4 Because there is now no burner fitted to perform a leak test, place a manometer tube over the injector tip.

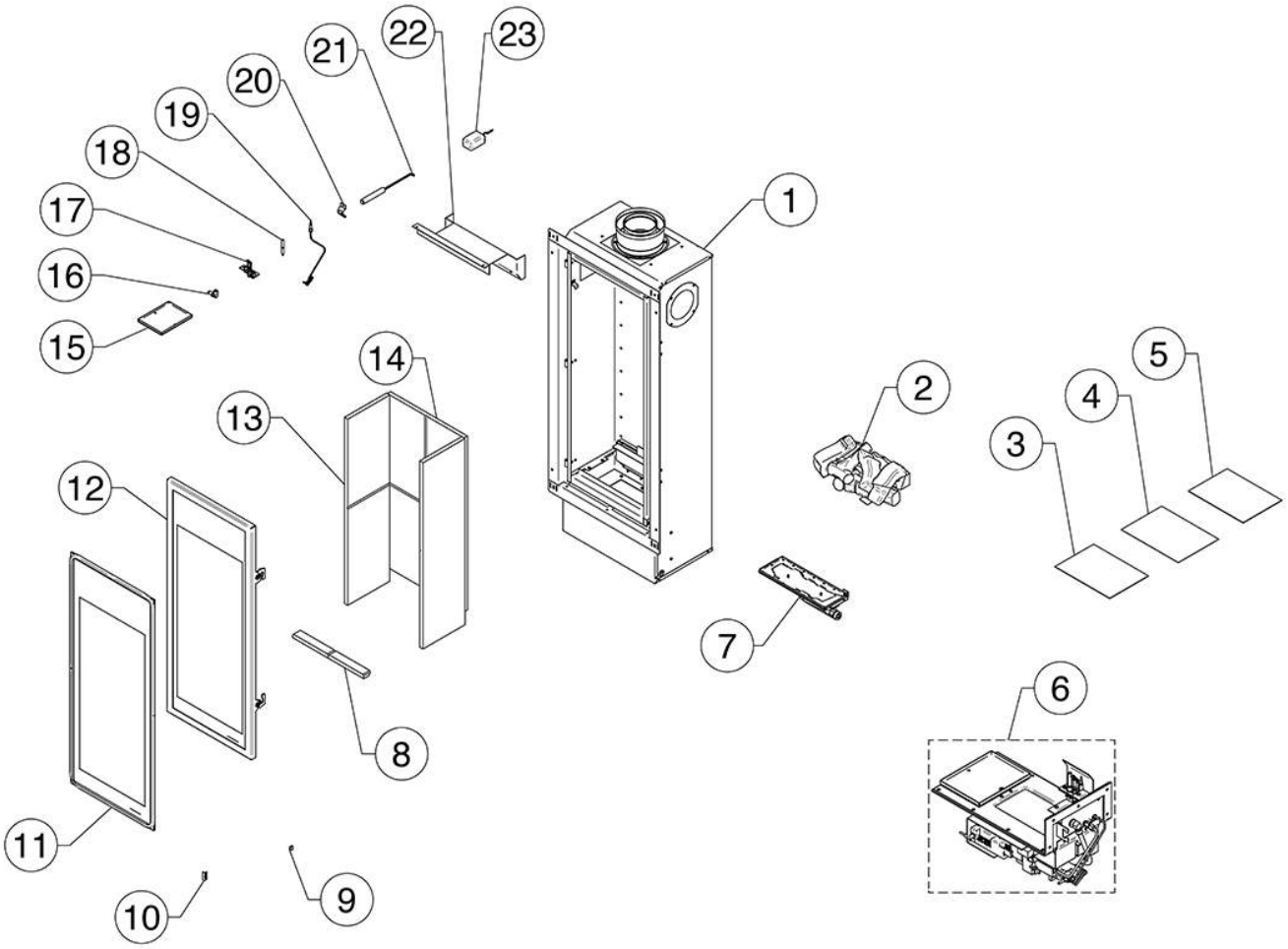
16.5 Light the appliance and spray any joints with leak detector fluid.

16.6 Tighten joints or replace as required.

16.7 To check the inlet working pressure, replace the control assembly and connect a manometer to the pressure test point as depicted in Diagram 19. Replace the burner and relight the appliance. Operate the appliance at highest flame setting and check that the inlet pressure is in accordance with specifications detailed on page 10.

Servicing Instructions - Replacing Parts

17. Short Spares List



No.	Component	Part Code		Quantity
		Nartural Gas	LPG	
1	Main Housing Assembly	GZ7192		1
2	Log Set	CE0720		1
3	General Fixing Kit	GZ6567		Kit
4	Ember Pack	CE0267		1
5	Instructions & Fixing Kit	GZ7482		Kit
6	Engine Assembly	GZ7152N	GZ7152P	1
7	Burner Assembly	GZ7467	GZ7468	1
8	Front Panel	CE0695		2
9	Steel Edge Clip	FA0523		2
10	Glass Clip Bracket	GZ6361		2
11	Glass & Rope Seal Assembly	GZ8007		1
12	Door Assembly	GZ7162		Kit
13	Side Panel	CE0693		2
14	Back Panel	CE0694		1

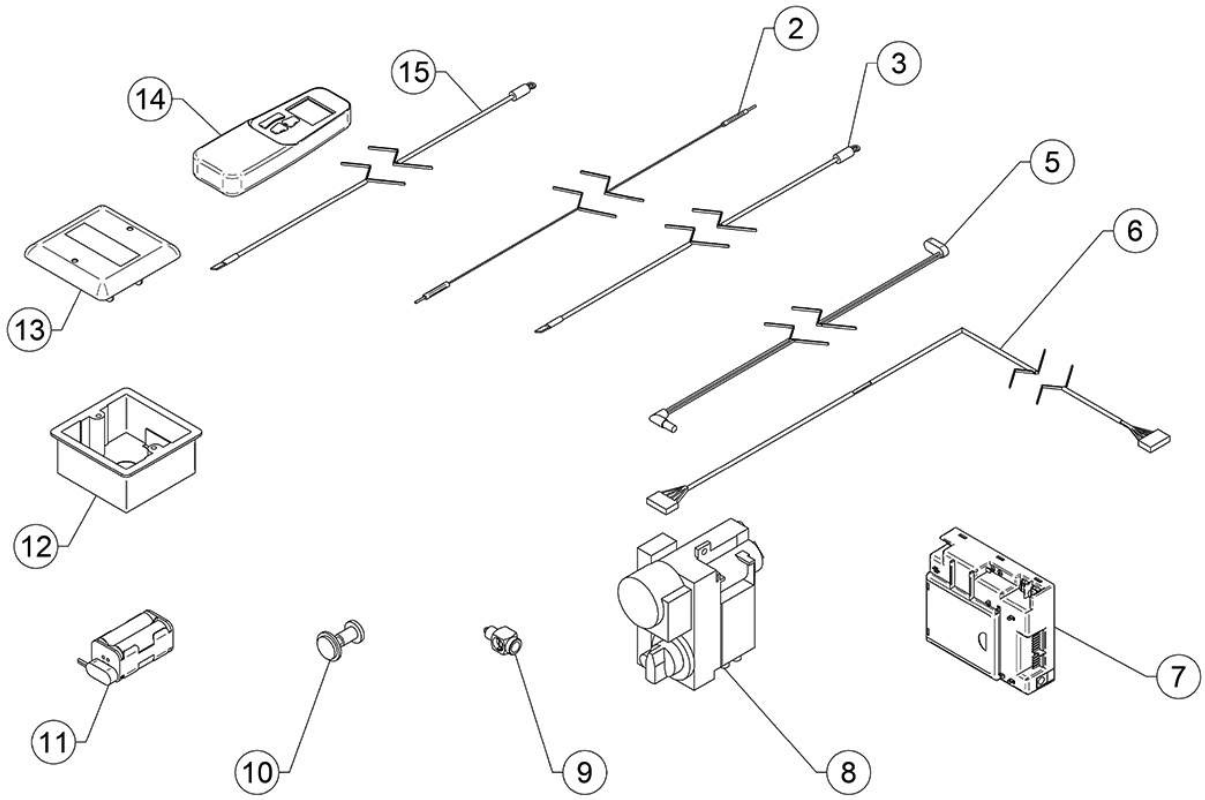
No.	Component	Part Code		Quantity
		Nartural Gas	LPG	
15	Control Cover Assembly	GZ7160		1
16	Elbow Injector	Size 530 IN0029	Size 200 IN0051	1
17	Pilot	PI0069	PI0070	1
18	Electrode	PI0075		1
19	Thermocouple	PI0074		1
20	Aeration Plate	ID Letter C GZ3269	ID Letter B GZ2016	1
21	Door Tool	GZ6690		1
22	Top Baffle	GZ7175		1
23	Mains Adapter	999-620		1

Due to continual technical improvements please check online or with your Gazco retailer for the most up to date parts lists.

Only use Genuine Gazco spares when servicing your appliance.
All of our essential spare parts and consumable items are available to purchase from our webshop at www.gazcospares.com.

Servicing Instructions - Replacing Parts

18. Short Spares List - Control Assembly



No.	Component	Part Code	Quantity
1	N/A	N/A	-
2	Ignition Cable	GC0125	1
3	Thermocurrent Cable	GC0126	1
4	N/A	N/A	-
5	Battery Cable	GC0138	1
6	350mm Connection Cable	GC0133	1
7	Reciever	EL0589	1
8	Gas Valve	GC0123K	1
9	Interrupter Block	GC0124	1
10	Magnetic Unit	GC0166	1
11	Battery Holder	EL0410	1
12	Wall Box	EL0409	1
13	Battery Access Cover	EL0591	1
14	Handset	EL0571	1
15	Thermocurrent Cable	EL0590	1

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Service Records

1ST SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

2ND SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

3RD SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

4TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

5TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

6TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

7TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

8TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

9TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

10TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Retailer's Stamp/GasSafe Registration Number

Information Requirement - Gas Heaters

Information Requirement for Gaseous Fuel Local Space Heater

Model		Studio 22 BF NG
Fuel	Space Heating Emissions (NOx) - mg / kWh $_{input}$ (GCV)	130
Heat Output	Nominal Heat Output - P_{nom}	6.2kW
	Minimum Heat Output (indicative) - P_{min}	2.8kW
Auxiliary Electricity Consumption	At Nominal Heat Output - el_{max}	N/A
	At Minimum Heat Output - el_{min}	N/A
	In Standby Mode - el_{sb}	N/A
Useful Efficiency (NCV)	Useful Efficiency at nominal heat output - $\eta_{th,nom}$	92%
	Useful Efficiency at minimum heat output (indicative) - $\eta_{th,min}$	82%
Permanent Pilot Flame Power requirement	Permanent Pilot Flame Power requirement (if applicable) - P_{pilot}	N/A

Type of heat output/room temperature control	
Electronic room temperature control + day timer	Yes

Other control options (multiple selections possible)	
Room temperature control, with presence detection	No
Room temperature control, with open window detection	No
With distance control option	No
With adaptive start control	No
With working time limitation	No
With black bulb sensor	No

Energy Efficiency Index	**88.0%**
Energy Efficiency Class	**A**

Contact:	Gazco Ltd, Osprey Road, Sowton Industrial estate, Exeter, EX2 7JG

Gazco Limited, Osprey Road, Sowton Industrial Estate, Exeter, Devon, England EX2 7JG
Technical Customer Services: (01392) 261950 Fax: (01392) 261951
E-mail: technicalservices@gazco.com