



Studio

With Infrared Remote Control

Instructions for Use, Installation and Servicing

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

IMPORTANT

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

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

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

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

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

CONTENTS

COVERING THE FOLLOWING MODELS

8700CHEC STUDIO 1	P8700CHEC STUDIO 1 LPG
8701CHEC STUDIO 2	P8701CHEC STUDIO 2 LPG
8702CHEC STUDIO 3	P8702CHEC STUDIO 3 LPG

For use with the following frames:

Frame	Studio 1	Studio 2	Studio 3
Profil	8710	8717	8720
Bauhaus	8711	8718	8721
Steel	8712	8719	8722
Link	8723	8724	n/a

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APPLIANCE COMMISSIONING CHECKLIST

IMPORTANT NOTICE

Explain the operation of the appliance to the end user, hand the completed instructions to them for safe keeping, as the information will be required when making any guaranteed claims.

FLUE CHECK	PASS	FAIL
1. Flue is correct for appliance		
2. Flue flow test		
3. Spillage test		
GAS CHECK		
1. Gas soundness & let by test		
2. Standing pressure test	mb	
3. Appliance working pressure (on High Setting) NB All other gas appliances must be operating on full	mb	
4. Gas rate		
5. Does ventilation meet appliance requirements		

DEALER AND INSTALLER INFORMATION

Dealer

.....

.....

Contact No.

Date of Purchase

Model No.

Serial No.

Gas Type

Installation Company

.....

.....

Engineer

Contact No.

Gas Safe Reg No.

Date of Installation

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

USER INSTRUCTIONS

1. GENERAL

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

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

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

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

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



- 1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the data badge located on a plate attached to the lower slotted trim, Diagram 5 *Installation Section*.
- 1.3 **Do not** place curtains above the fire:
You must have 300mm (1') clearance between the fire and any curtains at either side.
- 1.4 If any cracks appear in the glass panel do not use the appliance until the panel has been replaced.
- 1.5 In the unlikely event the appliance is receiving interference from other electronic devices, the handset/Control box can be reprogrammed. Please consult your dealer if you think this may be the case.
- 1.6 This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. Please consult with your local Gazco dealer if you have any questions. In all correspondence always quote the Model Number and Serial Number.

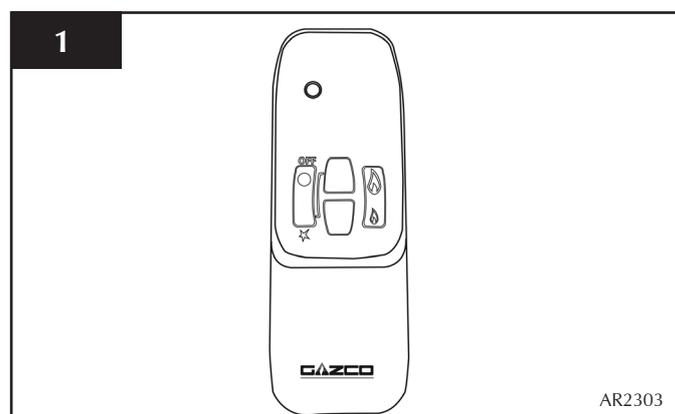
IMPORTANT : NEVER position an LCD/Plasma TV above this fire.

2. Lighting the Studio

There are two ways of lighting the Studio:

- by remote control, see 2A
- using the fire's touch pad, see 2B

2A REMOTE CONTROL



2.1 To light the Studio:

- Press the small LOWER LEFT button and the UP arrow simultaneously
An audible beep will be heard (the lighting sequence can take up to 30 seconds).

The pilot will light along with the main burner on high setting.

2.2 Adjusting the Flame Height

The flame height of the main burner can be:

- Increased by holding down the small LOWER LEFT button and the UP arrow simultaneously
- Decreased by one height stage by pressing the DOWN arrow once
- Hold the DOWN arrow to decrease to minimum

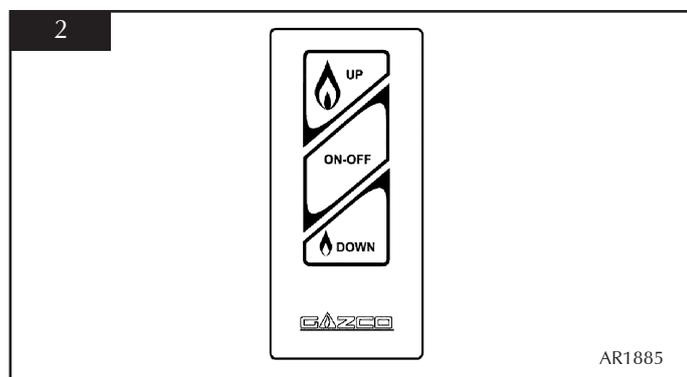
At the lowest point the appliance goes into standby mode where only the pilot is lit.

2.3 Turning the Studio Off

Press the OFF button to extinguish the appliance.

USER INSTRUCTIONS

2B TOUCH PAD CONTROL



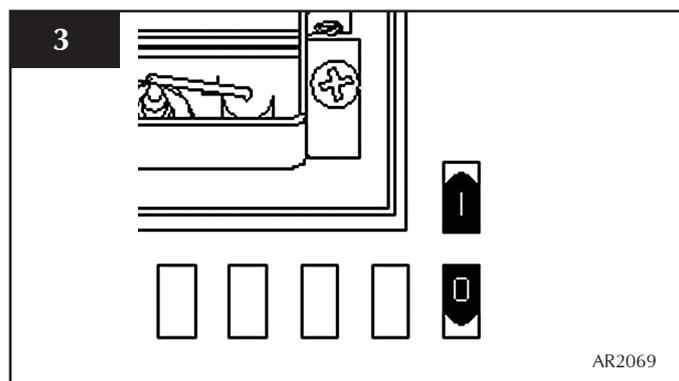
- Press the ON-OFF button to light the appliance, (up to 30 seconds)
- Press the UP button to increase the flame height
- Press the DOWN button to decrease the flame height. At the lowest point it goes to 'standby mode', (only pilot lit)
- Press the ON-OFF button to turn the appliance off

2C EMERGENCY SHUT OFF SWITCH

2.4 The emergency shut off switch is located under the far right hand holes of the decorative panel - to the right of the pilot assembly.

If the batteries fail during use of the fire use a small blunt instrument such as a ball point pen to move the switch to the OFF (0) position, Diagram 3

The switch is set to be ON (I) during normal operation and must remain on.



3. Cleaning the Fire

3.1 Make sure the fire and surrounds are cool before trying to clean.

Use:

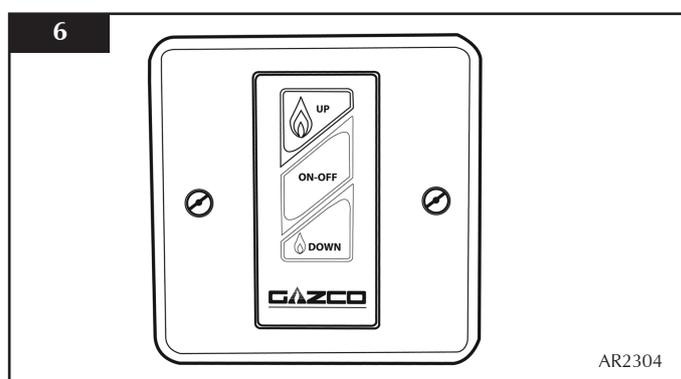
- A dry cloth or stainless steel product to clean the polished plate

- A damp cloth for the painted firebox
- A damp cloth on the rear granite panel. A thin layer of soot can build up on this panel which may discolour during normal use
- A brush to remove debris from burner

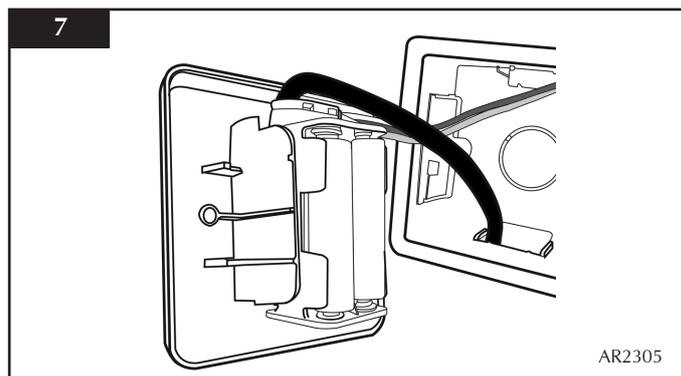
4. Changing Studio Batteries

The appliance batteries are located behind the wall switch plate

- Undo the two screws securing the wall switch and plate and remove, Diagram 6



- Unclip the battery holder from the wall switch plate and remove the old batteries
- Correctly position the four new AA size batteries
- Re-assemble the battery holder as shown in Diagram 7



5. Arrangement of Fuel Bed Components

5.1 If you need to replace pebbles or refill the tray, make sure the pebbles are flattened so they are level with the rim of the tray. **DO NOT OVERFILL THE BURNER TRAY WITH PEBBLES.**

TAKE CARE NOT TO SPILL PEBBLES INTO THE PILOT AREA

ONLY PEBBLES SUPPLIED BY GAZCO CAN BE USED IN THIS FIRE.

USER INSTRUCTIONS

6. Oxygen Depletion Sensor

- 6.1 If oxygen in the room falls below its normal level, the oxygen sensitive pilot cuts off the gas supply. If this device turns the fire off, it is a warning there is a problem with the flue system. **Do not attempt to use the fire until an engineer says it is safe.**

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

7. Flame Failure Device

- 7.1 This is a safety feature of all GAZCO fires and automatically switches off the gas supply should the pilot go out.

8. 'Running In'

- 8.1 The surface coating of the pebbles used in your GAZCO fire 'burns off' during the first few hours of use, producing a harmless temporary odour. This disappears after a short period, but if it persists, ask your dealer 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 This fire must be serviced every 12 months by a qualified Gas Engineer. In correspondence, quote the Model and Serial Number found on the data badge chained beneath the pebble tray.

10. Ventilation

- 10.1 Purpose-provided ventilation must be checked frequently to ensure it is free from obstruction.

11. Installation Details

- 11.1 Make sure your installer completes the Appliance Commissioning Checklist on page 3. This records essential details of this fire. In all correspondence always quote the Model and Serial Number, (see 9.1 above).

12. Fire Will Not Light

- 12.1 If you cannot light the Studio:
- Check that the emergency shut off switch is in the ON (1) position, see *Section 2C, Emergency Shut Off*
 - Check and change the batteries in the remote handset

- Check and change the appliance batteries, Section 4. Consult your Gazco dealer if the Studio still does not light.

INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

Covering models: **8700CHEC Studio 1** **P8700CHEC Studio 1 LPG**
 8701CHEC Studio 2 **P8701CHEC Studio 2 LPG**
 8702CHEC Studio 3 **P8702CHEC Studio 3 LPG**

MODEL	GAS CAT.	GAS TYPE	PRESSURE	AERATION	INJECTOR	GAS RATE m ³ /h	NOX CLASS	INPUT kW (Gross)		COUNTRY
								High	Low	
Studio 1 8700CHEC	I _{2H}	Gas Natural G20	20 mbar	Ø3.5mm	390	0.657	4	6.9	4.0	GB, IE
Studio 1 P8700CHEC	I ₃₊	LPG Butane G30 LPG Propane G31	29 mbar 37 mbar	Both sides 15mm X 25mm	185	0.197 0.260	5	6.9	4.0	GB, IE
Studio 2 8701CHEC	I _{2H}	Gas Natural G20	20 mbar	Ø3.5mm	560	0.839	5	8.8	4.5	GB, IE
Studio 2 P8701CHEC	I ₃₊	LPG Butane G30 LPG Propane G31	29 mbar 37 mbar	Both sides 15 mm x 25 mm	158	0.350 0.266	5	9.3	4.9	GB, IE
Studio 3 8702CHEC	I _{2H}	Gas Natural G20	20 mbar	Ø3.5mm	110	1.258	5	13.2	6.3	GB, IE
Studio 3 P8702CHEC	I ₃₊	LPG Butane G30 LPG Propane G31	29 mbar 37 mbar	Both sides 15 mm x 25 mm	184	0.516 0.392	5	13.7	6.4	GB, IE

Weights	Fire Only	Profil	Bauhaus	Steel	Flue Outlet Size = Ø 175 mm
Studio 1	36.5kg	3.6kg	3.6kg	18.5kg	Gas Inlet Connection Size = Ø 8 mm
Studio 2	71kg	6.5kg	6.5kg	21kg	Minimum Flue Specification = T260 / N2 / 0 / D / 1
Studio 3	94.2kg	8.0kg	8.0kg	24kg	Maximum Flue Temperature = 120°C

INSTALLATION INSTRUCTIONS

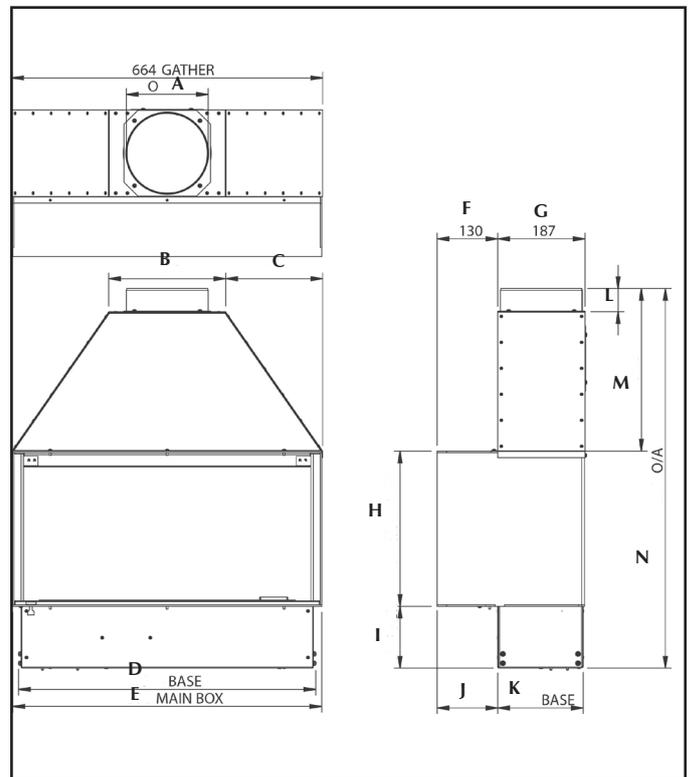
TECHNICAL SPECIFICATION

Packing Checklist

Qty Description	Fixing Kit containing:-
1 Decorative Cover Plate 1 White Stone Chippings 2 Adjustable Legs	1 x Instruction Manual 7 x Wood Screws 7 x Rawl Plugs 1 x Handset 4 x AA batteries 1 x PP3 batteries 1 x Wall Box 1 x Touchpad/ Wall Plate 1 x Battery Holder

Appliance dimensions Diagram 1 - Overall External Dimensions			
Dimension	Studio 1	Studio 2	Studio 3
A	175	175	175
B	250	250	325
C	207	307	465
D	635	835	1225
E	660	860	1250
F	130	130	130
G	187	187	187
H	334	334	334
I	133	133	133
J	130	130	130
K	182	182	182
L	50	50	50
M	300	300	700
N	817	817	1217

All dimensions in mm.



INSTALLATION INSTRUCTIONS

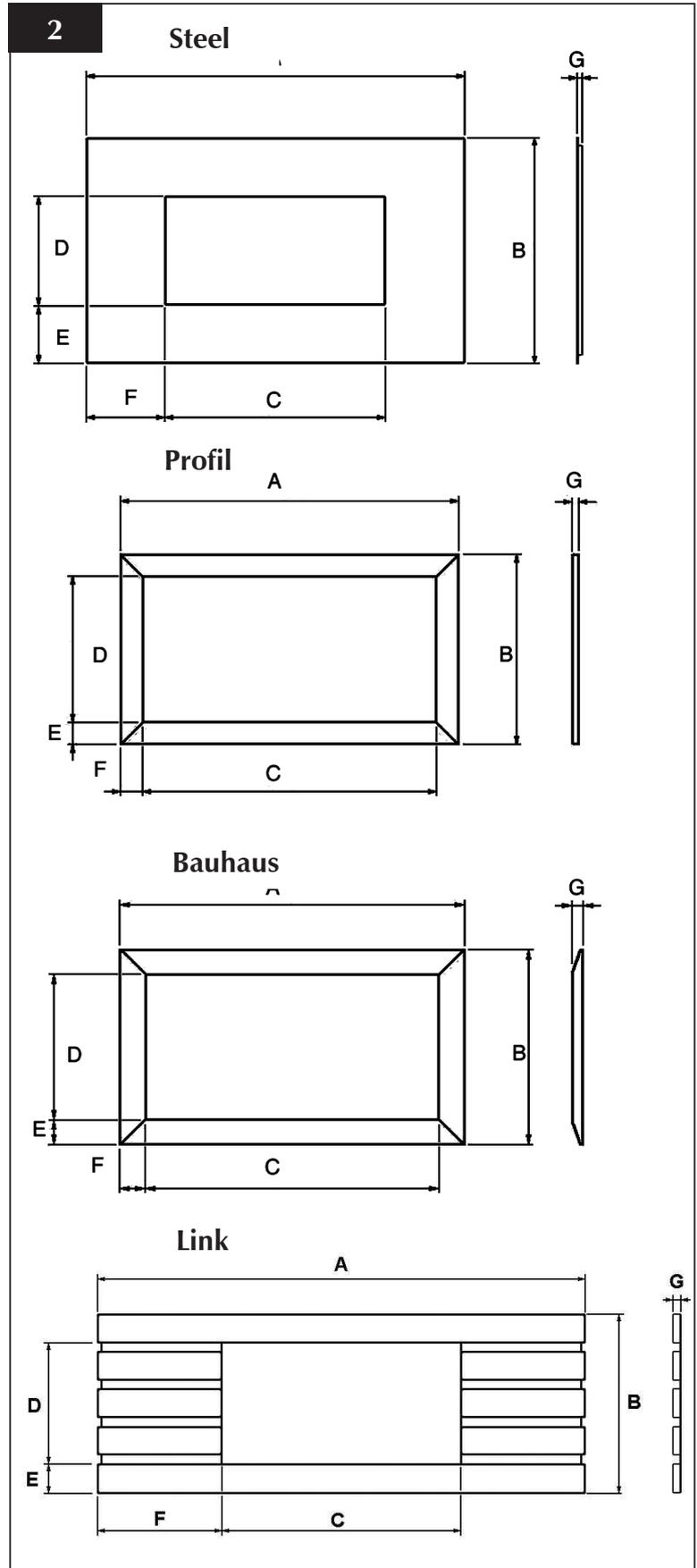
TECHNICAL SPECIFICATION

Steel Frame Dimensions			
Dimension	Studio 1	Studio 2	Studio 3
A	1120	1320	1710
B	675	675	675
C	664	864	1254
D	329	329	329
E	174	174	174
F	223	223	223
G	13	13	13

Profil Frame Dimensions			
Dimension	Studio 1	Studio 2	Studio 3
A	750	950	1340
B	426	426	426
C	664	864	1254
D	329	329	329
E	48	48	48
F	48	48	48
G	12.5	12.5	12.5

Bauhaus Frame Dimensions			
Dimension	Studio 1	Studio 2	Studio 3
A	764	964	1354
B	439	439	439
C	654	864	1254
D	329	329	329
E	56	56	56
F	55	55	55
G	28	28	28

Link Frame Dimensions



INSTALLATION INSTRUCTIONS

SITE REQUIREMENTS

1. Flue and Chimney Requirements

1.1 Chimney Types:

Prefabricated Flues

All studio fires can be fitted to prefabricated 7" min wall flue systems suitable for gas. In all instances the flue gather must be used.

Class 1 Brick Built Flues

STUDIO 1 (WITHOUT GATHER)

Can be fitted without the optional flue gather if the chimney is sound.

STUDIO 1 (WITH GATHER)

If the optional gather is used it must be connected to a 7" flexible flue liner. If sufficient access is available, then it can be fitted without a liner, creating a smooth transition between the top of the gather and the flue.

STUDIO 2 & 3 (WITH GATHER)

It is possible to install the Studio 2 and 3 into a Class 1 brick built flue. This, however, requires the front wall and structure of the chimney breast to be extensively cut away to provide enough width to fit the Studio and to give access to the top of the gather for:

- Connecting a 7" flexible flue liner suitable for gas
- Creating a smooth transition between the top of the gather and the flue

CAUTION: This type of installation must only be attempted by chimney specialists.

STUDIO 2 (WITHOUT GATHER)

Gazco recommends our flue gather supplied with the Studio 2, but if the installer is confident the chimney's draw is sufficiently strong to clear the products of combustion from the fire without spilling (especially in the top corners), then installation without the flue gather is acceptable. Sufficient testing must be carried out prior to and after installation to ensure the Studio 2 does not spill.

Please note: Gazco cannot assume any responsibility for an installation which spills where the flue gather is not fitted.

STUDIO 3

Studio 3 must be fitted with the supplied flue gather in all installations, including the prefabricated 7" twin wall flue; see *Technical Specification, Packing Checklist* page 8 for dimensions.

- 1.2 The minimum effective height of flue/chimney must be 3 metres (10ft).
- 1.3 The chimney or flue must be free from obstruction:
 - Damper plates removed or secured fully open
 - No restrictor plates
- 1.4 Sweep the chimney immediately before installation unless you can see it is clean and unobstructed through its entire length.
- 1.5 Ensure there is a smooth tapered transition from the fireplace opening into the chimney or flue, (Studio 1 only)

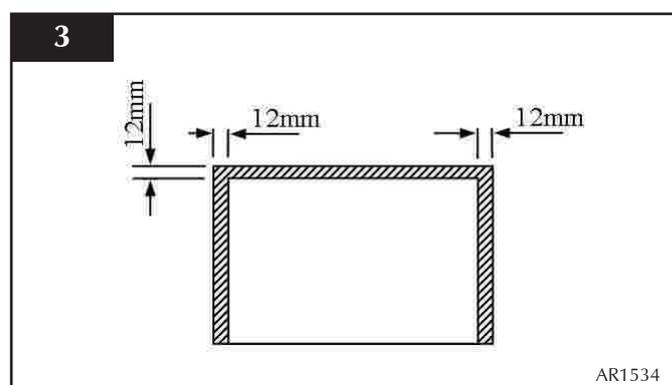
- 1.6 Check the flue pull prior to installation:

- Place a smoke pellet into the flue/chimney opening to test smoke is drawn into the opening
- If there is no definite draw, pre-heat the chimney for a few minutes and re-test

2. Location of Fire

Combustible Materials

- 2.1 **THIS FIRE IS NOT SUITABLE FOR INSTALLATION ONTO A COMBUSTIBLE WALL.** All combustible materials must be removed from the area shown in Diagram 3.



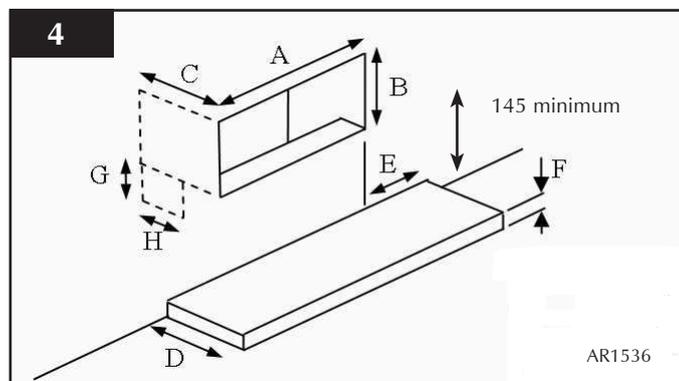
- 2.2 The fire must stand on a non-combustible base at least 12 mm thick.
- 2.3 The fire must be fitted into a non-combustible opening.
- 2.4 **Hearth**
The hearth must:
 - Protrude 100mm to the front
 - Protrude 150mm to each side of the fire
 - Stand 50mm high at its edge (F - Diagram 4)
- 2.5 **Combustible Shelf**
A combustible shelf must be:
 - maximum, 150mm in depth (working out from the wall)
 - minimum, 300mm high above the fire

INSTALLATION INSTRUCTIONS

SITE REQUIREMENTS

Wall Location without Frame

2.6 Minimum dimensions for a hole in the wall installation without a frame are given in Diagram 4.

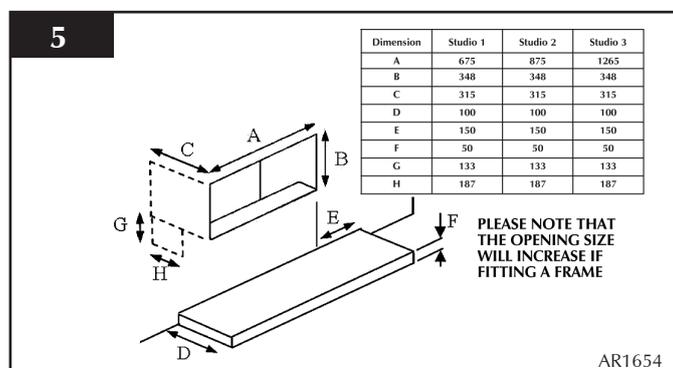


Dimension	Studio 1	Studio 2	Studio 3
A	665	865	1255
B	338	338	338
C	315	315	315
D	100	100	100
E	150	150	150
F	50	50	50
G	133	133	133
H	187	187	187

Wall Location with Frame

Note: If you are not using a Gazco-supplied frame, make sure any granite, marble or other materials decorating the front of the opening (if used) do not reduce the minimum opening sizes shown; this might make servicing difficult.

2.7 Increase the size of the opening for a Studio with frame, Diagram 5.



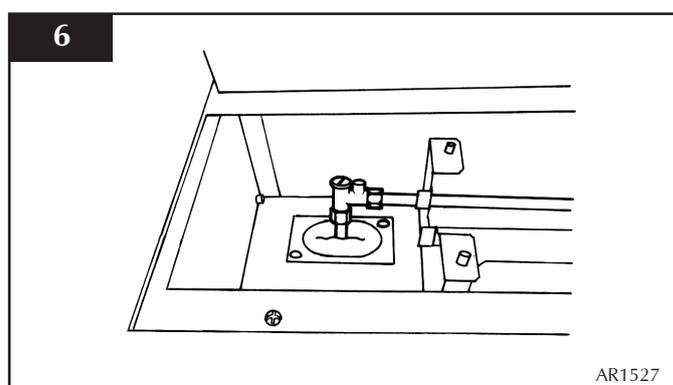
Flat TV

2.8 To install a flat TV panel above the fire, make sure you:

- Keep 300mm above the fire
- Complete commissioning tests in full ensuring fire is clearing its products of combustion

3. Gas Supply

- 3.1 Check the local gas distribution to be sure the gas type and pressure are compatible for this fire and adjust accordingly.
- 3.2 Check the supply can deliver the right amount of gas according to the rules in force.
- 3.3 A factory-fitted isolation device incorporated into the inlet exists. No further isolation device is required.
- 3.4 The gas supply enters the fire through a silicon panel on the floor at the back/left:
 - Slit with a sharp knife before bringing through the supply pipe., Diagram 6



4. Ventilation

IMPORTANT: Ensure any national ventilation requirements are taken into account during installation of the fire.

Studio 1

- 4.1 The Studio 1 has a nominal input not exceeding 7.0kW and does not normally require any additional permanent ventilation.

Studio 2 & 3

- 4.2 There must be a minimum 100cm² permanent-purpose ventilation. There may be insufficient natural ventilation if spillage is detected during commissioning and more ventilation may be necessary.

FOR REPUBLIC OF IRELAND REFER TO THE RULES IN FORCE FOR VENTILATION REQUIREMENTS.

AIR VENTS MUST NOT BE RESTRICTED.

INSTALLATION INSTRUCTIONS

INSTALLATION

1. Unpacking

- 1.1 Check the fire is complete and undamaged after unpacking.
- 1.2 Set the loose parts aside to avoid damage while installing:
 - Decorative cover plate
 - Back
 - Side panels (if supplied)
 - Pebbles

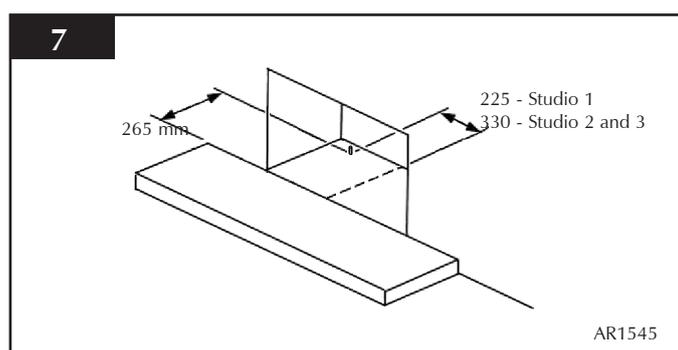
2. Safety Precautions

- 2.1 This appliance must be installed in accordance with the rules in force and used only in a sufficiently ventilated space. Please read all Instructions before installation and use of this appliance.
- 2.2 For your safety and that of others, you must be competent to install this fire in accordance with local and national codes of practice. Failure to comply could lead to prosecution.
 - Leave these Instructions with the user
 - Do not burn rubbish on this fire

3. Installation of the Gas Supply

NATURAL GAS @ 20mbar	PROPANE @ 37mbar BUTANE @ 29 mbar
8700CHEC	P8700CHEC
8701CHEC	P8701CHEC
8702CHEC	P8702CHEC

- 3.1 Check the local gas distribution to be sure the gas type and pressure are compatible for this fire and adjust accordingly. See table above.
- 3.2 Check the supply can deliver the right amount of gas according to the rules in force.
- 3.3 Soft copper tubing and soft soldered joints must be no closer than 50mm (2") to the underside of the burner.
- 3.4 An isolation device is provided with this fire.
- 3.5 Purge all gas pipes of any debris before connecting the fire.
- 3.6 Diagram 7 shows the location and position of the gas inlet pipe. Its height varies depending on type of installation.

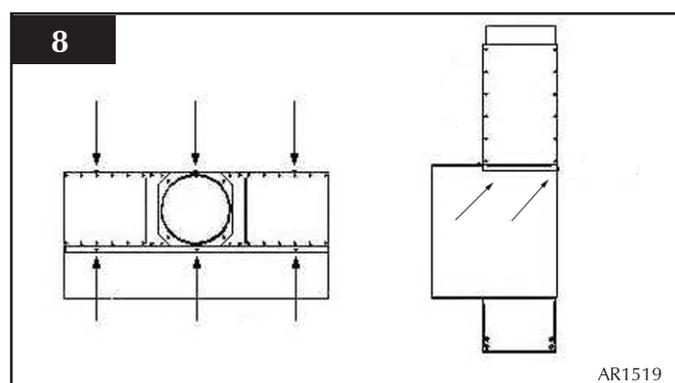


4. Installation of the Fire

- 4.1 Refer to the Flue and Chimney Requirements (1.1) under *Site Requirements* for site options for type of Studio.

Fitting gather (Studio 1 optional extra)

- 4.2 Place the gather on top of the fire and secure from within the appliance with six screws. (Diagram 8).



5. Installing into a Masonry Chimney

Studio 1 only

Note: Where a gather is used, fit before fitting the sub-frame. (Diagram 9 below).

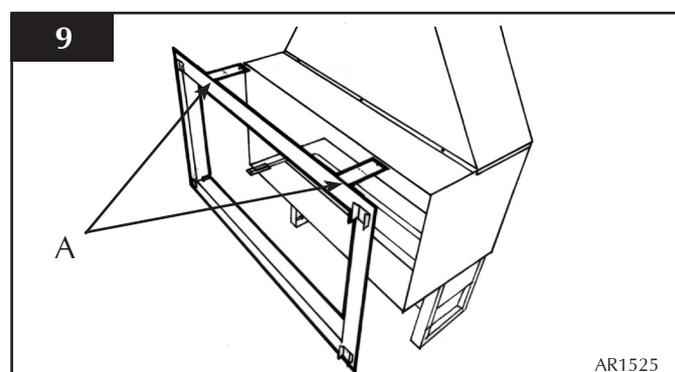
NOTE: TO PREVENT PAINT DAMAGE AND RUST OCCURRING, WHEN PLASTERING AROUND THE APPLIANCE PROTECT THE EDGES OF THE FIREBOX WITH MASKING TAPE OR SIMILAR PREVENTION METHODS.

- 5.1 Fit the sub-frame (if purchased) before installation.

Fitting the Sub-Frame:

- 5.2 The sub-frame is found in the same pack as the frame.

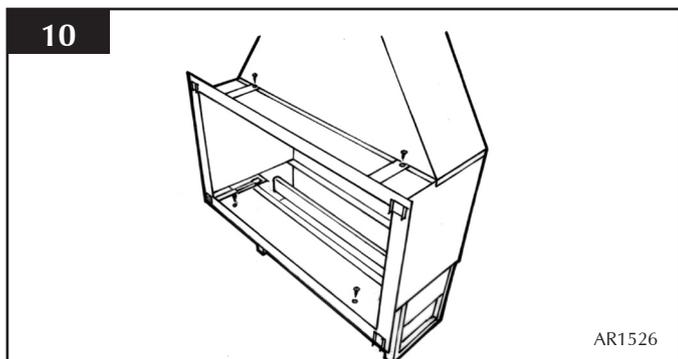
Note: The tabs marked A in Diagram 9 must be folded up into position before fitting.



- 5.3 Position the sub-frame at the front edge of the frame and slide forward.
- 5.4 Secure using the four screws, (Diagram 10).

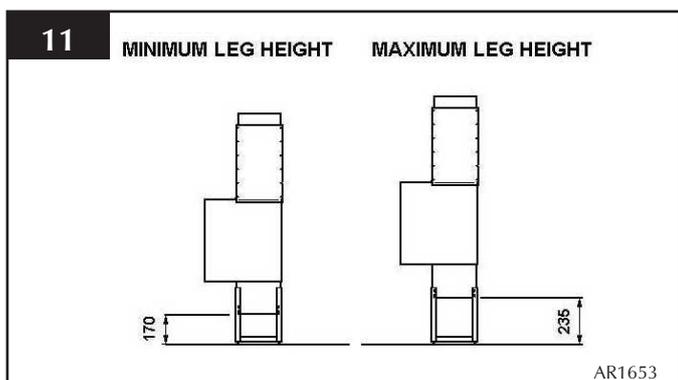
INSTALLATION INSTRUCTIONS

INSTALLATION



Checking Fireplace Opening

- 5.5 Check the fireplace is correct size or modified for this fire.
- 5.6 Check the leg adjustment referring to Diagram 11.



Check the height of the fireplace for the position of the fire. If the height needs raising:

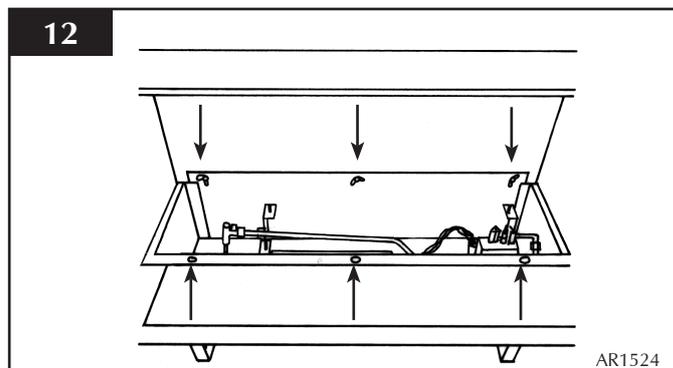
- Any built-in fireplace gather may need reforming, or
- Leave 80mm between the fire and the top of the fireplace where there is no built-in gather

- 5.7 If the installation needs a flue liner, a flue gather must be fitted. The fireplace may need altering to allow for the gather.

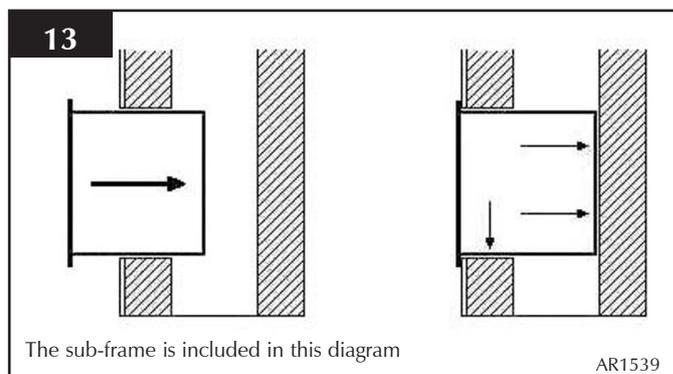
Fitting the Fire in an Enclosed Recess

- 5.8 The design of Studio 1 allows the front opening of the fireplace to be bricked up below the fire. To fit the fire into this space:
 - Check the recess is the correct size, see Location of Fire in Site Requirements.
 - Make sure the gas inlet has been provided
 - Separate the lower burner compartment from the firebox. To do this:
 - remove three screws and wing nuts
 - pass the burner compartment up through the firebox (Diagram 12)

If fitting with a frame, the front of the chimney breast will need plastering BEFORE fitting the fire.

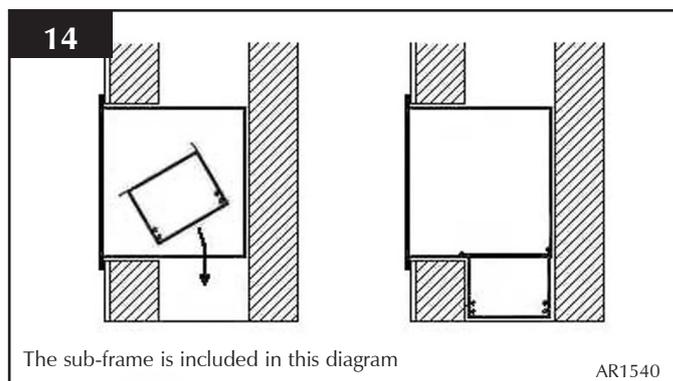


- Take the separated firebox through the fireplace opening
- Secure the four rear and three lower holes using rawl plugs and screws provided (Diagram 13)



The sub-frame is included in this diagram

- Pass the lower burner compartment back down through the firebox
- Let the gas inlet through the bottom of the box
- Re-fix using the three screws and three wing nuts (Diagram 14)



The sub-frame is included in this diagram

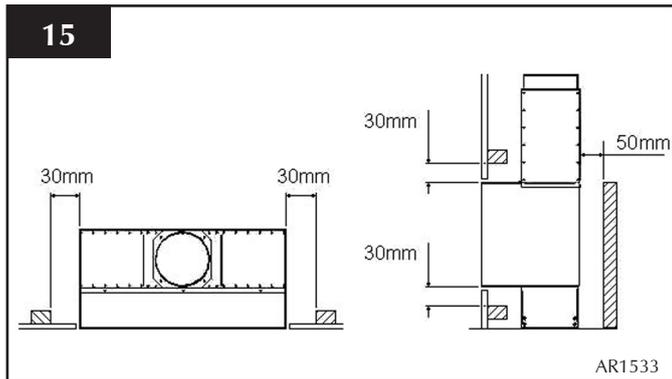
- 5.9 Make good the wall around the firebox.

INSTALLATION INSTRUCTIONS

INSTALLATION

6. Installing into a Studwork Chimney Breast - All Studios

6.1 Diagram 15 shows how close combustible parts of stud-work are allowed to the fire unless protected by non-combustible material.

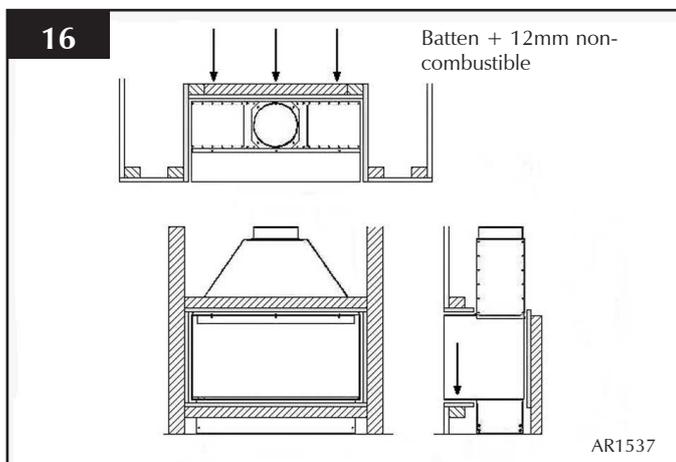


- 6.2 Decide on the height of the fire by:
- Adjusting the legs and/or
 - Raising the floor level beneath the fire
- 6.3 Fit the flue gather and install a twin-wall metal flue system to the fire.
- 6.4 Install the gas inlet pipe.
- 6.5 Stud-work and Non-combustible Lining
- Build the stud-work frame around the fire to the correct size:
- Line the opening with 12mm thick non-combustible material

You need a batten behind, across the back to secure the fire to the studwork through fixing holes in the back panel.

- Protect the batten with 12mm non-combustible material

You must also secure the fire through fixing holes in the front ledge, Diagram 16



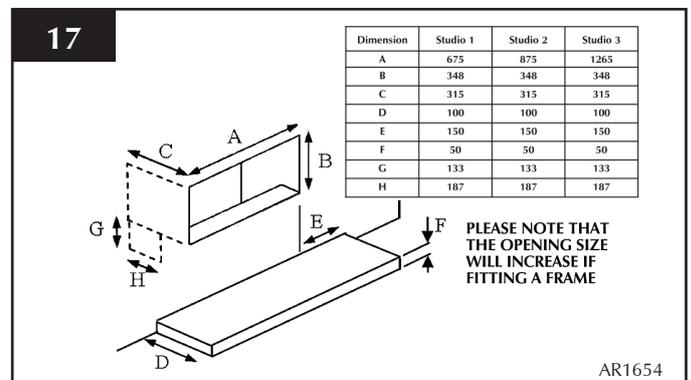
- Leave a 5mm gap all around the front edge of the fire where a frame is to be fitted (Diagram 17)

The upright studding either side of the fire must line up with the sub-frame fixing holes when fitting a frame.

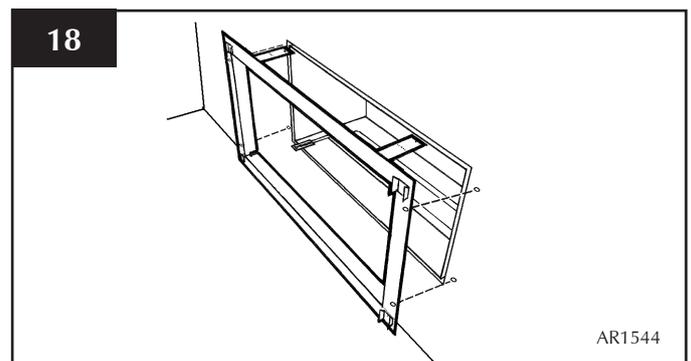
6.6 **Sub-frame and Frame Fitting**
The front of the chimney breast must be plastered before fitting the sub-frame.

NOTE: TO PREVENT PAINT DAMAGE AND RUST OCCURRING, WHEN PLASTERING AROUND THE APPLIANCE PROTECT THE EDGES OF THE FIREBOX WITH MASKING TAPE OR SIMILAR PREVENTION METHODS.

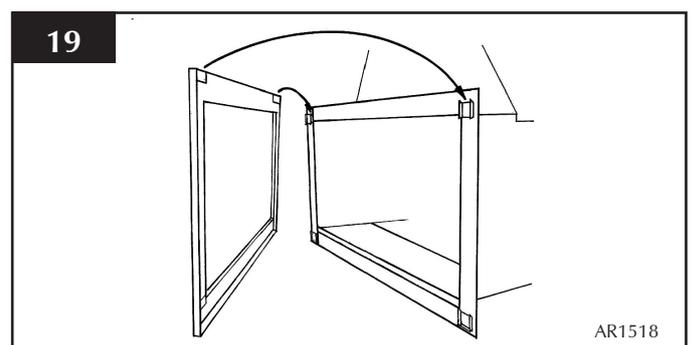
Diagram 17 shows the increase in opening size for a fitted frame and in this type of installation.



- Fit the sub-frame by sliding it over the front edge of the fire till flush
- Secure into the wall and studwork through the holes in the flange (Diagram 18)



- Drop the frame onto the four hooks on the sub-frame. (Diagram 19)



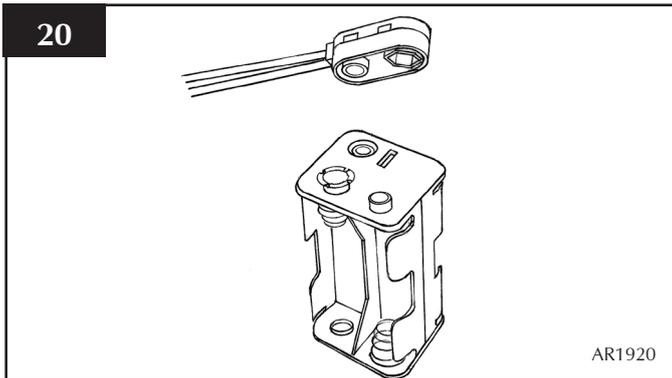
INSTALLATION INSTRUCTIONS

INSTALLATION

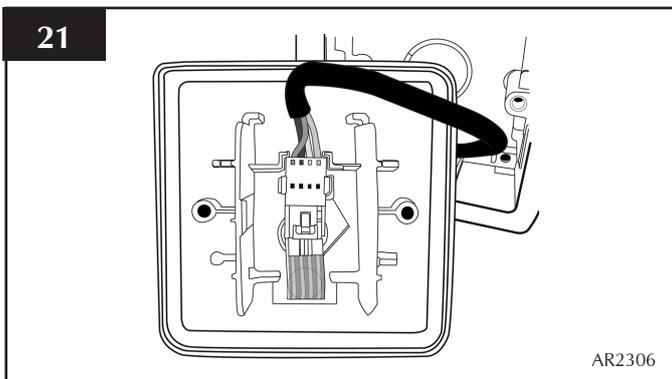
7. Wall Box Installation

7.1 The Wall Box must be fitted with the appliance as it is where the batteries are located. Do not place the batteries inside the appliance.

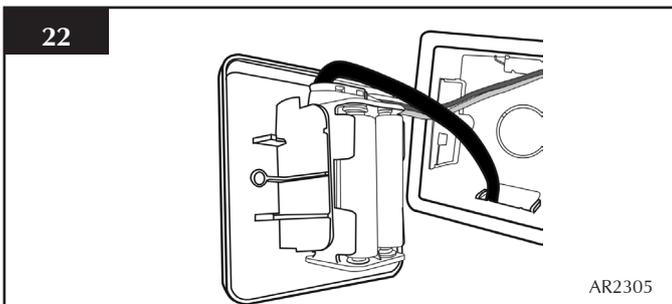
- Decide on the position for the wall box containing batteries and wall switch
- Connect the wire from the appliance to the battery pack, Diagram 20



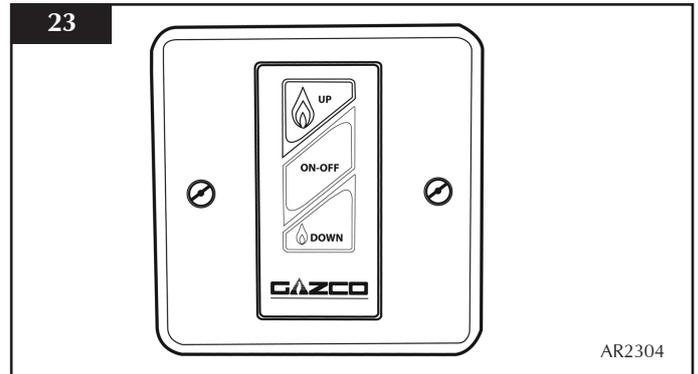
- Connect the wire from the appliance to the touchpad/connector, Diagram 21



- Correctly position the four new AA size batteries into the battery holder
- Re-assemble the battery holder as shown in Diagram 22



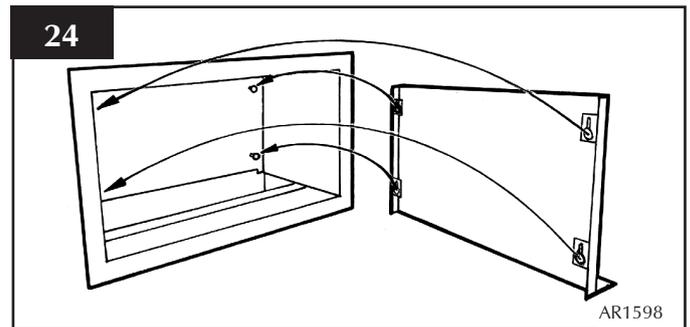
- Secure the wall plate with the touchpad attached to the wall box, Diagram 23



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

7. Finishing Installation

7.1 Fit the loose back panel onto the studs at the back of the fire. (Diagram 24).



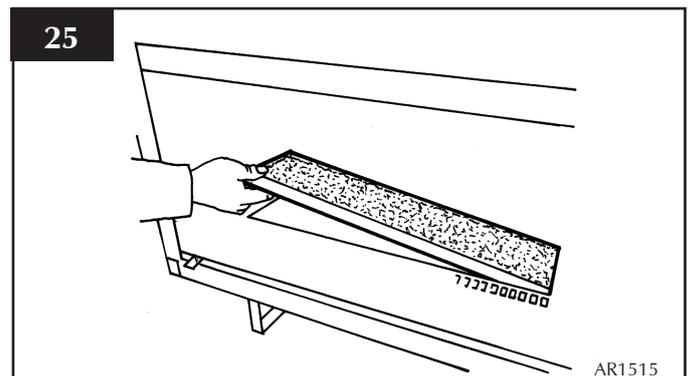
7.2 For the gas connect:

- the gas supply to the isolation device with 8mm pipe
- a suitable pressure gauge to the test point

Turn on the gas

7.3 **Burner Installation**
Fit the burner tray into the appliance. Lower the right hand side so that the pilot cut-out locates on the pilot assembly, Diagram 25.

Carefully lower the left hand end of the burner tray into position making sure that the central venturi tube locates over the main gas injector.



INSTALLATION INSTRUCTIONS

INSTALLATION

7.4 Pressure Checks for All Studios

- Route the pressure gauge hose to the left under the burner tray
- Check for leaks
- Light the fire and set it to maximum
- Check the pressure corresponds to the data badge
- Turn the gas off
- Replace test point screw
- Turn the gas on and check screw for leaks

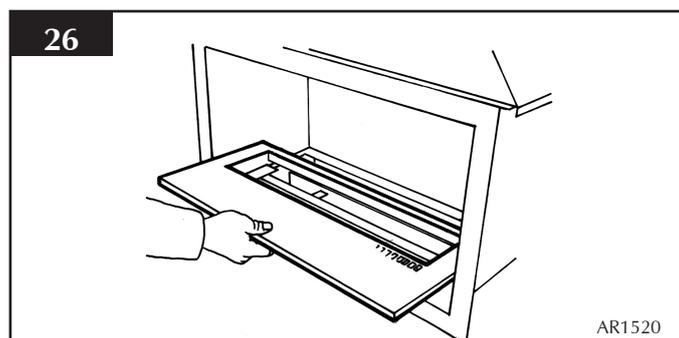
7.5 Pebble Installation

- Spread the pebbles over the burner
 - Flatten with the rim of the burner tray until level
- DO NOT OVER FILL THE BURNER TRAY WITH PEBBLES**

TAKE CARE NOT TO SPILL PEBBLES INTO THE PILOT AREA

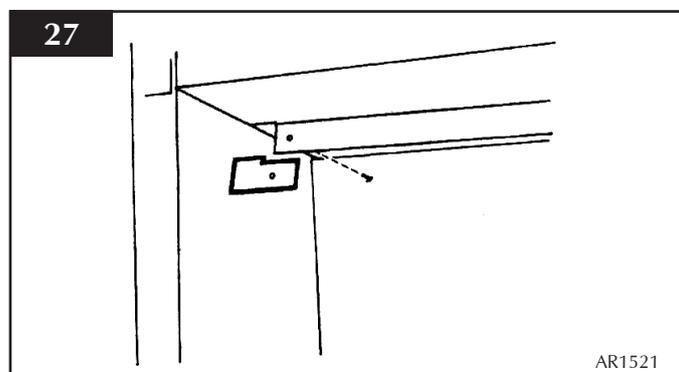
- ### 7.6 Fit the decorative stainless steel front plate, Diagram 26
- Make sure the rear downward fold locates between the back edge of the burner tray and the rear panel.

MAKE SURE THAT THE SMALL CUT OUT ON THE RIGHT OF THE FRONT FACE OF THE DECORATIVE PANEL LOCATES OVER THE INFRARED SENSOR.



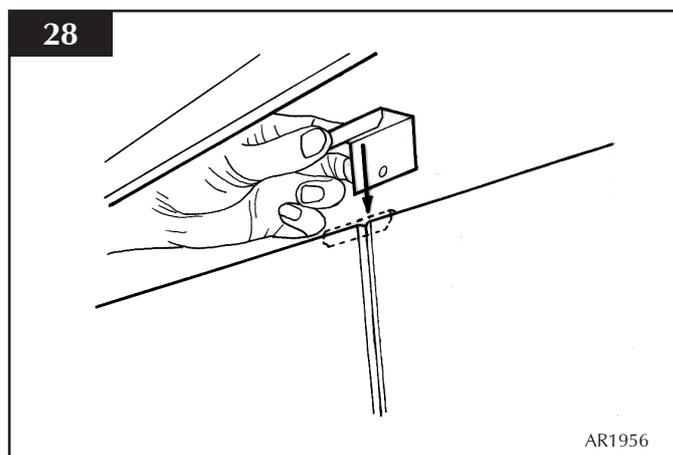
7.7 Black Granite Panels (optional)

- Before the granite back and side panels can be fitted:
- Unscrew and remove the two metal plates inside the firebox (Diagram 27)



- Place the granite rear panels onto the back panel so they sit on the metal ledge and fit neatly together in the middle

- Position the retaining clip for the granite as shown in Diagram 28. The clip holds the two granite pieces flat against the metal back panel



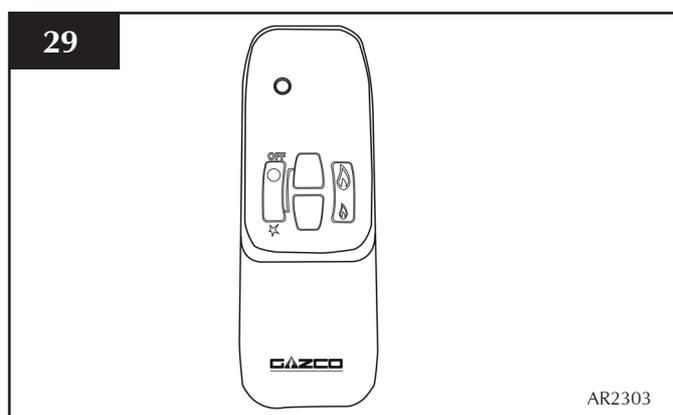
- Slide in the two side panels
- You must be able to remove the side panels to service the fire.**

8. Lighting the Studio

There are two ways of lighting the Studio:

- by remote control, see 2A
- using the fire's touch pad, see 2B

8A REMOTE CONTROL



8.1 To light the Studio:

- Press the small LOWER LEFT button and the UP arrow simultaneously
- An audible beep will be heard (the lighting sequence can take up to 30 seconds).

The pilot will light along with the main burner on high setting.

8.2 Adjusting the Flame Height

The flame height of the main burner can be:

- Increased by holding down the small LOWER LEFT button and the UP arrow simultaneously

INSTALLATION INSTRUCTIONS

COMMISSIONING

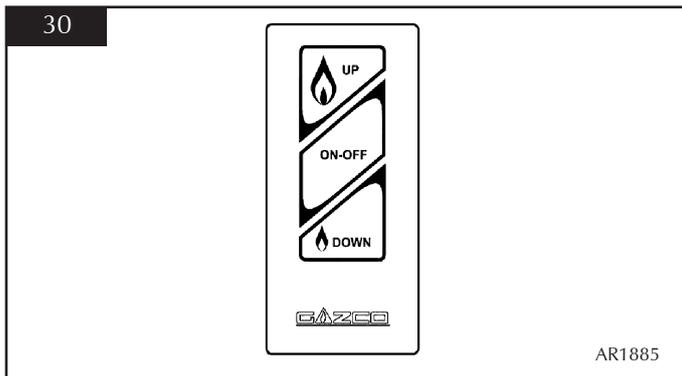
- Decreased by one height stage by pressing the DOWN arrow once
- Hold the DOWN arrow to decrease to minimum

At the lowest point the appliance goes into standby mode where only the pilot is lit.

8.3 Turning the Studio Off

Press the OFF button to extinguish the appliance.

8B TOUCH PAD CONTROL

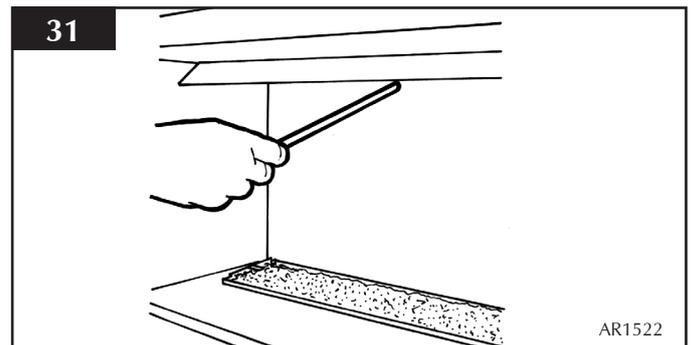


- Press the ON-OFF button to light the appliance, (up to 30 seconds)
- Press the UP button to increase the flame height
- Press the DOWN button to decrease the flame height. At the lowest point it goes to 'standby mode', (only pilot lit)
- Press the ON-OFF button to turn the appliance off

9. Commissioning

9.1 To prepare a smoke match test:

- Close all doors and windows in the room
- Check all controls
- Allow the fire to burn on maximum for 5 minutes
- Use a smoke match to test for spillage of flue products:
 - Pass a lighted smoke match along the top front edge, inside the opening or canopy. (Diagram 31)



- Run the fire for a further 10 minutes and repeat the test if there is any spillage

Where there are extractor fans in the room or adjacent rooms, repeat the test with the fans running on maximum.
IF SPILLAGE PERSISTS, DISCONNECT THE FIRE AND SEEK EXPERT ADVICE.

You must record the installation details on the *Appliance Commissioning Checklist* on page 3.

SERVICING INSTRUCTIONS

SERVICING / FAULT FINDING CHARTS

1. SERVICING REQUIREMENTS

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

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

- 1.1 Before any tests are undertaken on the stove:
 - Conduct a gas soundness test for the property to ensure there are no gas leaks prior to starting work.
- 1.2 Fully check the operation of the stove
 - Special checks
 - 1.2.1 Clean any lint or fluff from the pilot - pay particular attention to the aeration hole in the side of the pilot
 - 1.2.2 Clean away any fluff or lint from under the burner
 - 1.2.3 Check the spark gap on the pilot is correct
 - Correct any faults found during the initial tests
 - Re-commission the stove conducting the usual safety checks
- 1.3 Advise the customer of any remedial action taken.

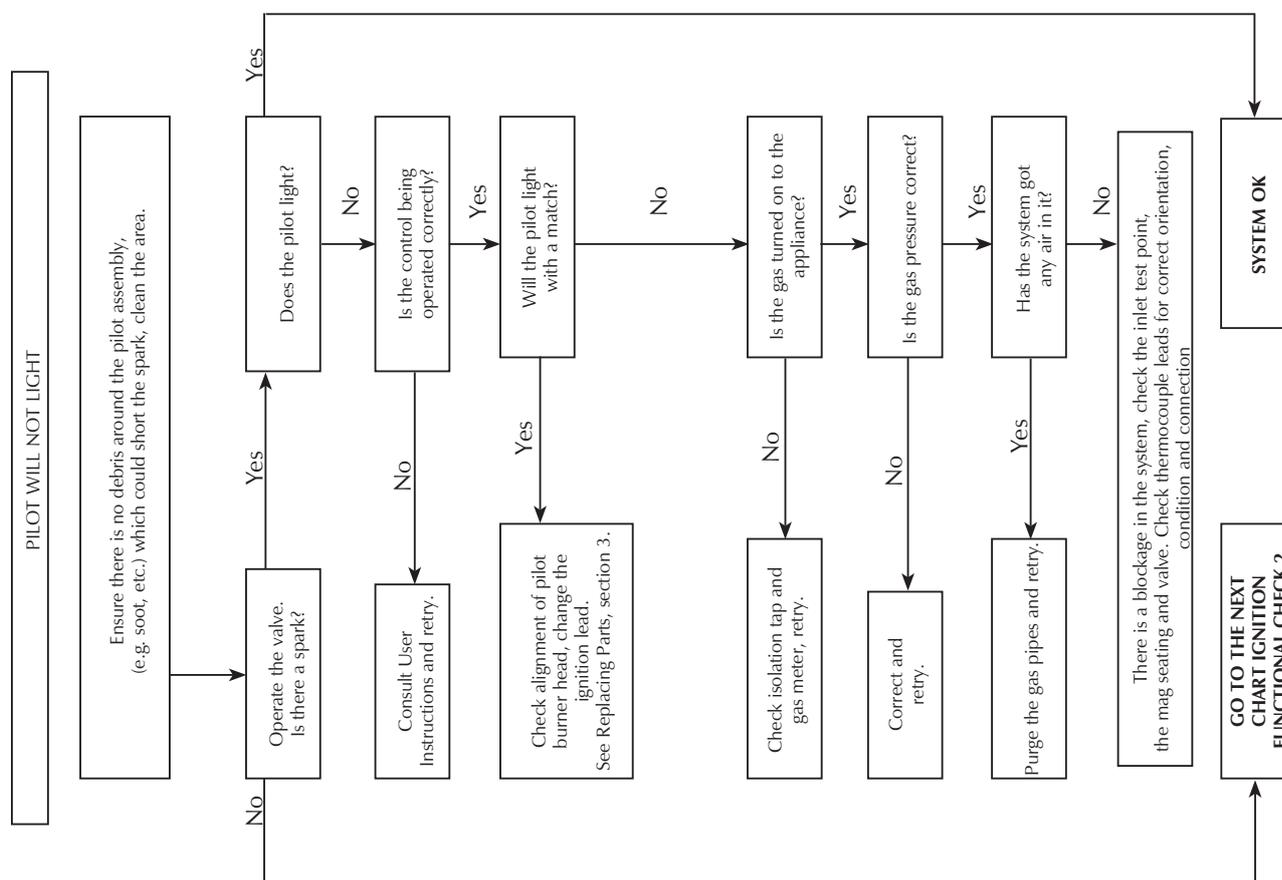
REPLACE BATTERIES BEFORE ATTEMPTING TO RECTIFY ANY FAULTS

IF THE FIRE DOES NOT WORK, BUT HAS WORKED IN THE PAST:

- **CHECK THE EMERGENCY SHUT OFF SWITCH, IS SWITCHED ON, SEE USER SECTION, PAGE 4**

ELECTRONIC CONTROL VALVE FAULT ANALYSIS		
Symptom	Cause	Remedy
3 short beeps from control	Batteries low in appliance	Replace appliance batteries
No ignition, 5 seconds continuous tone (there can be several short beeps before)	1. ON/OFF switch is in OFF position 2. Loose/damaged wire	1. Move switch to ON position 2. Tighten replace relevant wire
No ignition, no tone, motor turned 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

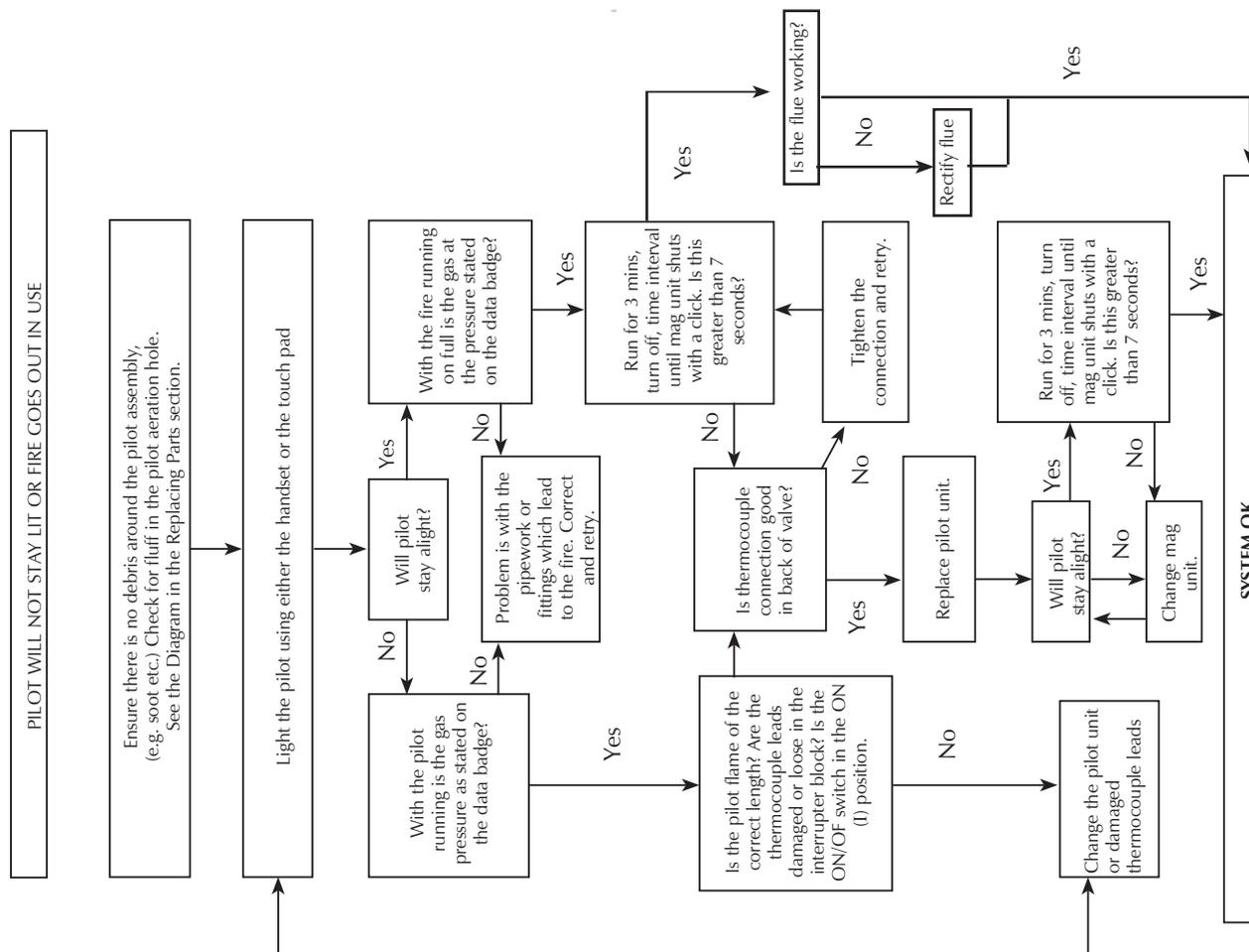
IGNITION FUNCTIONAL CHECK 1



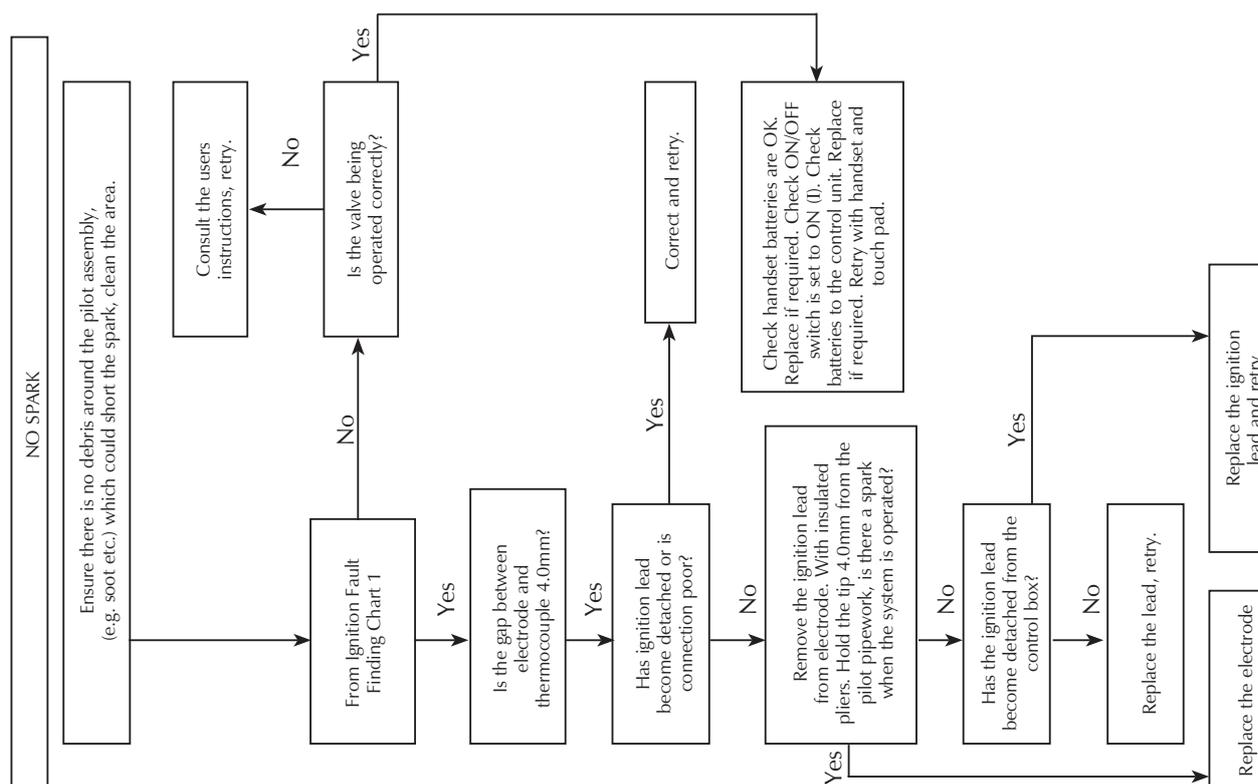
SERVICING INSTRUCTIONS

FAULT FINDING CHARTS

FLAME FAILURE FUNCTIONAL CHECK 3



IGNITION FUNCTIONAL CHECK 2



SERVICING INSTRUCTIONS

REPLACING PARTS

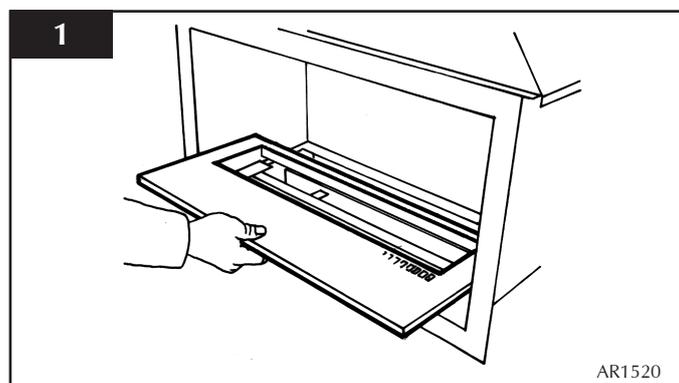
1. General

To service the parts of this fire:

- Remove the burner unit
- Remove the black granite side and back panels (if fitted)
- When replacing parts, check all gas joints for leaks:
 - remove the burner (see 1.1)
 - attach manometer to the tip of the injector
 - turn on the gas
 - check all joints with leak detector fluid

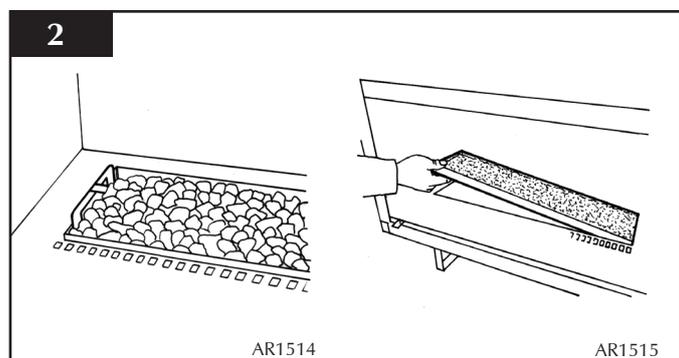
To service the parts of this fire:

- Remove the black granite side and back panels (if fitted)
- Remove the decorative cover plate (Diagram 1)



1.1 Removing Burner Tray - Studio 1

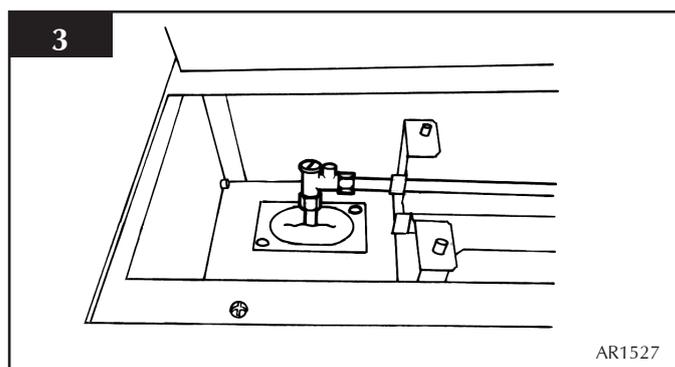
- Slide up the small handle on the left of the tray. Use this handle and the pilot cone on the right to lift the tray clear. (Diagram 2)



- Empty the pebbles into a suitable container and place the tray down.

2. Removing Control Bracket

- Turn off the gas supply at the isolation device at the back of the fire, Diagram 3.



- Disconnect the gas supply pipe leaving the isolation device on the supply pipe, not the fire
- Undo the two wing nuts holding the control bracket assembly to the base of the appliance
- Lift the control bracket vertically upwards to clear the fixing screws
- Tip the whole assembly backwards by 45 degrees
- Disconnect the touchpad, battery and infrared leads from the control box
- Lift the control bracket assembly out of the appliance

3. ODS Pilot Unit

Note: The pilot unit on the fire is not serviceable. Because of its complexity it is built as a complete unit. If one of the following is faulty, you must replace the whole unit:

- Pilot injector
- Ignition electrode
- Thermocouple

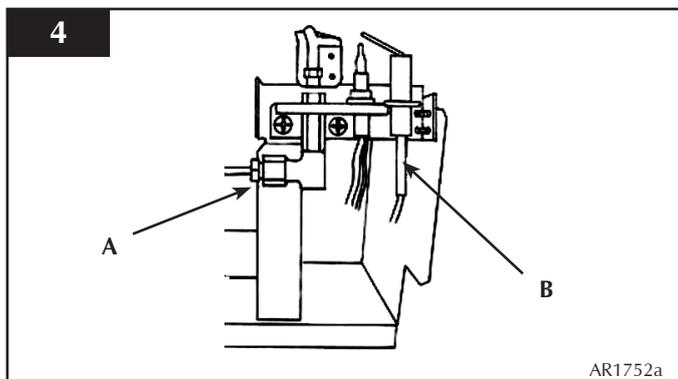
Replacing the Pilot Unit (Diagram 4)

3.1 To take out the pilot unit:

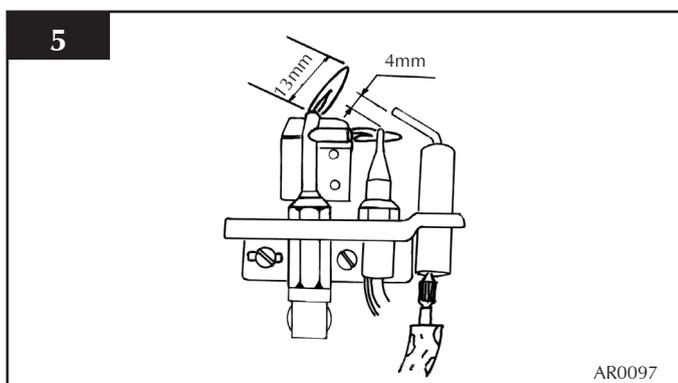
- Remove the gas pipe, (arrow A)
- Remove the ignition lead, (arrow B)
- Undo the thermocouple connection from the back of the gas valve
- Undo the two screws securing the unit and remove the entire pilot assembly

SERVICING INSTRUCTIONS

REPLACING PARTS



- Replace the new pilot unit in reverse order



Check that the Electrode gap and Pilot Flame are correct (Diagram 5)

4. Ignition Lead

- 4.1 To replace the ignition lead:
- Remove the ignition lead from the control box
 - Remove the other end of the ignition lead from the pilot. (Diagram 4, arrow B)
 - Replace with a new ignition lead following the same route as the old lead
 - Check the operation of the new lead

5. Magnetic Safety Valve

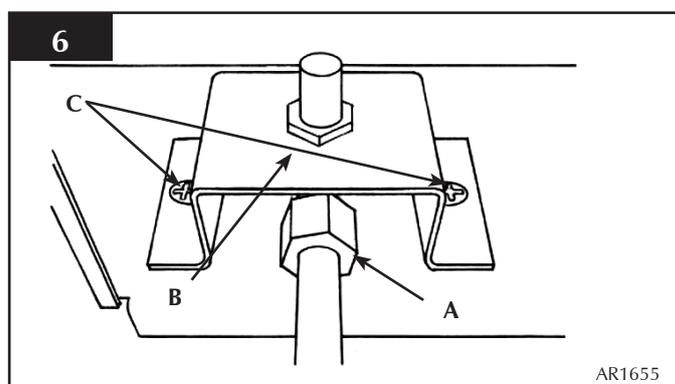
- 5.1 To replace the magnetic safety valve:
- Undo the thermocouple from the interrupter block in the back of the gas valve and remove the two thermo current cables
 - Unscrew the interrupter block from the back of the valve
 - Undo the silver magnetic valve retaining nut on the back of the valve
 - Gently tap out the mag valve
 - Replace with a new unit
 - Reassemble in reverse order
 - Check for leaks

6. Main Injector

6.1 To remove the main injector:

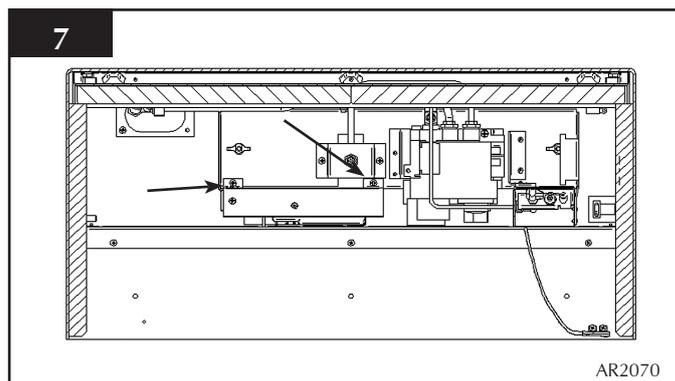
- Undo the nut on the main injector (Diagram 6, arrow A)
- Undo the lock nut securing the injector (Diagram 6, B)
- Remove the two screws securing the injector bracket (Diagram 6, C)

When replacing the injector, it is important to ensure that the injector is vertical.



7. Control Box

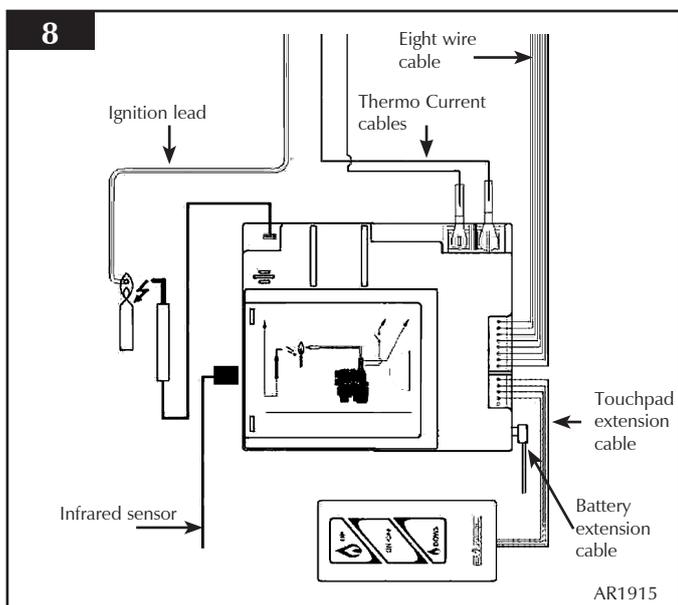
7.1 Remove the two screws securing the control box bracket, Diagram 7



- Remove the two thermo current cables by removing the two screws, Diagram 8
- Remove the ignition lead, Diagram 8
- Remove the eight loom wire from the control box, Diagram 8

SERVICING INSTRUCTIONS

REPLACING PARTS



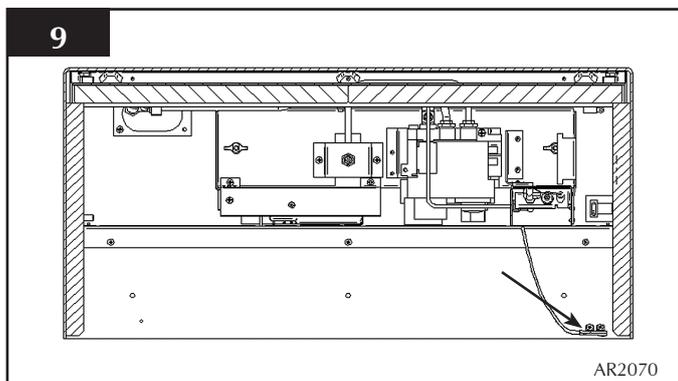
- Remove the battery extension cable, Diagram 8
 - Remove touchpad extension cable and Infrared Sensor
- The control box can now be replaced.

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 an additional long signal confirming the new code
- Refer to separate handset instructions to set new code

8. Infrared Sensor

- 8.1 The infrared sensor is located on the right hand side of the appliance, under the decorative panel, Diagram 9



- Remove the decorative panel from the appliance

- Undo the two pozi head screws holding the infrared sensor
- Remove the infrared sensor cable from the right hand side of the control box

The cable and plug pull out of the control box. If necessary remove the control box assembly to aid access, See Section 7

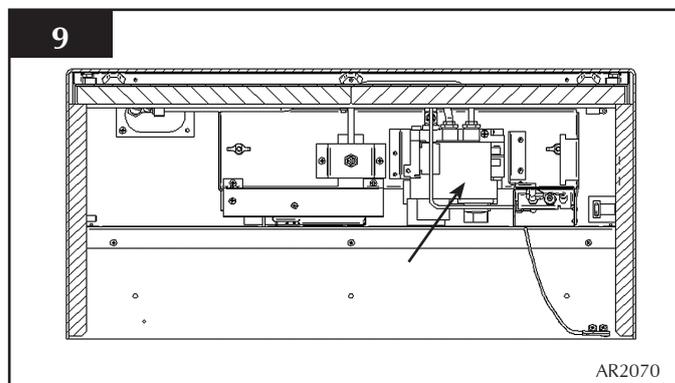
- Refit the replacement sensor
- Make sure the infrared eye lines up correctly with the cut out in the decorative panel.
- Check operation of the system

9. Gas Valve

- 9.1 To change the gas valve (Diagram 9):

- Disconnect the inlet pipe
- Disconnect the feed pipe
- Disconnect the pilot pipe
- Disconnect the thermocouple, thermo current wires and interrupter block
- Remove the two screws that secure the valve to the control bracket

The cable can now be removed from the valve.



SERVICING INSTRUCTIONS

REPLACING PARTS

10. Changing between Gas Types

The following parts must be changed when converting a fire to another gas type:

Burner
Main injector
Gas valve
ODS Pilot Unit
Data Badge

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

11. Black Granite Options

The dimensions of the optional black granite panels are as follows:

		STUDIO		
		1	2	3
Side Panel	height	316	316	316
	width	271	271	271
	thickness	20	20	20
Rear Panel	height	316	316	316
	width	634	417	612
	thickness	20	20	20

SERVICING INSTRUCTIONS

REPLACING PARTS

12. Spare Parts Lists

Component	STUDIO 1		STUDIO 2		STUDIO 3	
	NG	LPG	NG	LPG	NG	LPG
BURNER ASSEMBLY	GZ5948	GZ5849	GZ5201	GZ5204	GZ5695	GZ5708
MAIN INJECTOR	IN0028	IN0040	IN0046	IN0060	IN0063	IN0061
ODS PILOT UNIT	PI0044	PI0045	PI0044	PI0045	PI0044	PI0045
CONTROL BOX	GC0141		GC0141		GC0141	
GAS VALVE	GC0123		GC0123		GC0123	
MAG UNIT	GC0092		GC0092		GC0092	
IGN LEAD	GC0125		GC0125		GC0125	
INTERRUPTER BLOCK	GC0124		GC0124		GC0124	
REMOTE CONTROL (IR)	GC0148		GC0148		GC0148	
THERMOCURRENT CABLE	GC0126		GC0126		GC0126	
THERMOCURRENT CABLE SWITCH	GC0145		GC0145		GC0145	
TOUCH PAD/CONTROL PAD	GC0164		GC0164		GC0164	
TOUCH PAD LEAD	GC0144		GC0144		GC0144	
BATTERY HOLDER	EL0410		EL0410		EL0410	
BATTERY HOLDER CABLE	GC0138		GC0138		GC0138	
CONTROL BOX/VALVE CABLE	GC0133		GC0133		GC0133	
INFRARED SENSOR CABLE	GC0142		GC0142		GC0142	
DECORATIVE COVER PLATE	GZ5397		GZ5186		GZ5686	
STONE CHIPPINGS	CE0579		CE0579		2 x CE0579	
BLACK GRANITE LINERS	8714GBK		8715GBK		8716GBK	
OPTIONAL FLUE GATHER	8713		N/A		N/A	

SERVICE RECORDS

1ST SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

2ND SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

3RD SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

4TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

5TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

6TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

7TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

8TH SERVICE

Date of Service:.....

Next Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

9TH SERVICE

Date of Service:.....

Next Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

10TH SERVICE

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/Gas Safe Registration Number

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