



Logic HE

Conventional Flue Coal Effect Convector Range
with Thermostatic Remote Control



Users, Installation & Servicing Instructions

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.

It is essential that ALL of the screws that retain the glass frame are replaced and tightened correctly. Under no circumstances should the appliance be operated if any of these screws are loose or missing.

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

LOGIC HE - CONVENTIONAL FLUE

Covering the following models:

CONTROL	MANUAL	SLIDE	REMOTE
Nat Gas	101-008	101-016	101-043
LPG	101-405	101-426	101-449

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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.



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		
3. Spillage Test		
GAS CHECK		
1. Gas soundness & let by test		
2. Standing gas pressure	mb	
3. Appliance working pressure (on High Setting) Minimum Pressure Requirement: NG - 17.5mbar LPG - 34.5mbar NB All other gas appliances must be operating on full	mb	
4. Gas rate	m ³ /h	
5. Does Ventilation meet appliance requirements?		
SAFETY CHECK		
1. Check soundness of the Thermocouple connections - including tightness and lead integrity		
2. Glass checked to ensure no damage, scratches, scores or cracks		
3. Glass frame secured correctly and all screws replaced		
4. CO alarm fitted		
BUILDING CONTROL NOTIFICATION		
1. Installer notified GasSafe/Local Authority of installation via Competent Persons Scheme?	YES	NO

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

GENERAL

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:



In all correspondence, please quote the appliance type and serial number, which can be found on the engine of the appliance between the carcass and firebox or on the Commissioning Checklist on Page 3.

Do not place curtains above the appliance: You must have 300mm clearance between the appliance and any curtains at either side.

The manufacturer considers the full outer casing of this appliance to be a working surface and it will become hot whilst in operation. A suitable guard is recommended to protect young children, the aged and the infirm.

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

If a shelf is fitted, a distance of 150mm above the appliance is required.

Do not attempt to burn rubbish in this appliance.

This appliance must only be operated with the door secured firmly in position. If any cracks appear in the glass the appliance must not be used until the glass panel is replaced.

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.

CO ALARMS

Building regulations require that whenever a new or replacement fixed gas burning appliance is installed in a dwelling, a carbon monoxide alarm complying with BS EN 50291-1 (latest edition) must be fitted in the same room as the appliance. Further guidance and recommendations on the installation of carbon monoxide alarms is available in BS EN 50292 (latest edition) and from manufacturers' instructions.

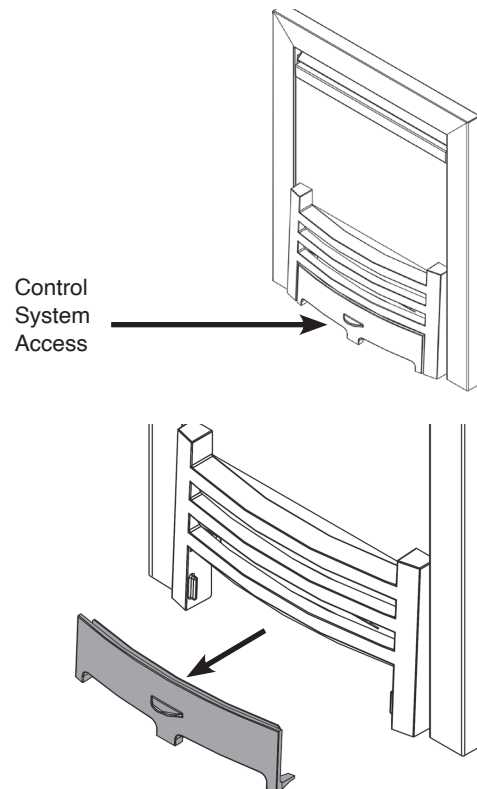
Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance.

OPERATING THE APPLIANCE

There are three types of control systems available for this appliance:

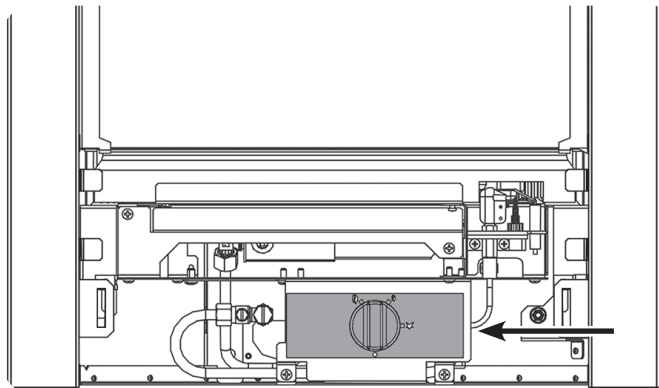
1. **Manually Operated Control**
2. **Slide Control**
3. **Remote Control**

Follow the relevant section for specific operation.

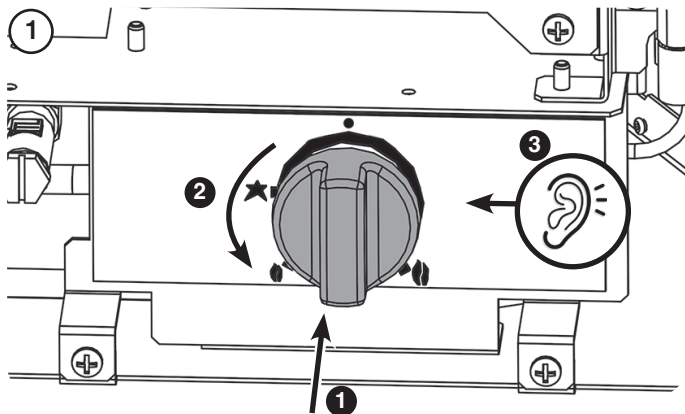


1. MANUAL CONTROL

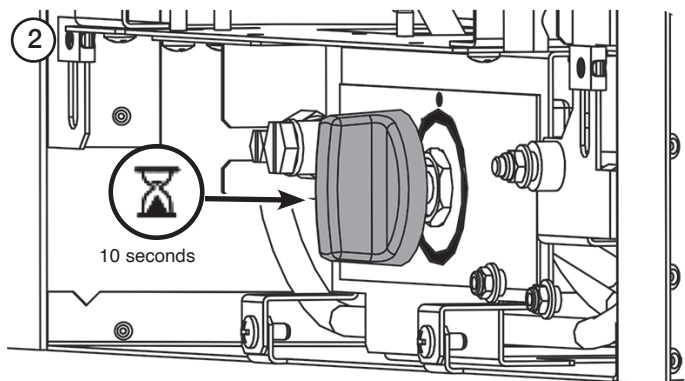
ADJUSTING THE FLAME HEIGHT



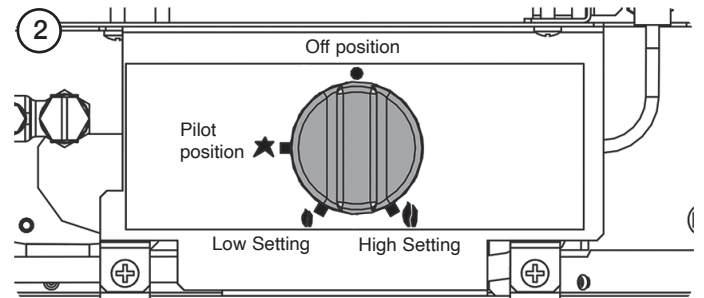
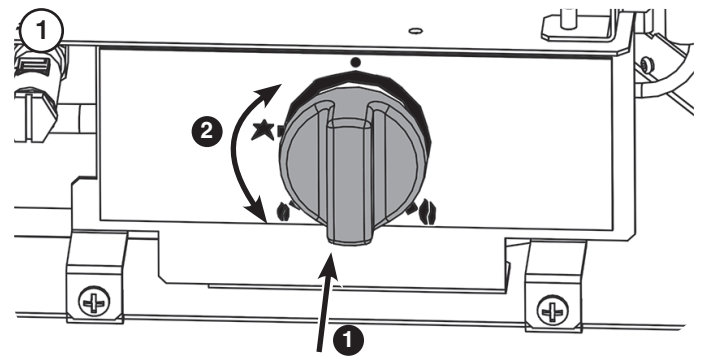
LIGHTING THE PILOT



The pilot should now be lit.



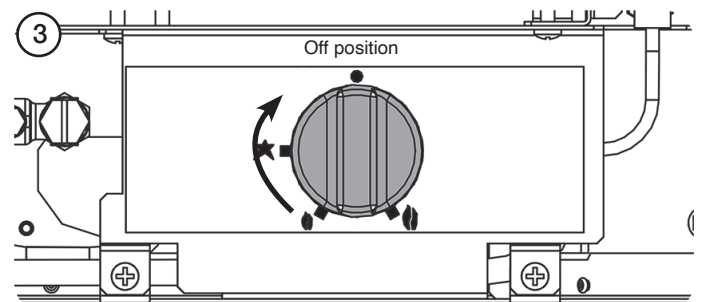
When released the pilot should remain lit.
If the pilot does not remain lit, repeat until the operation is successful.



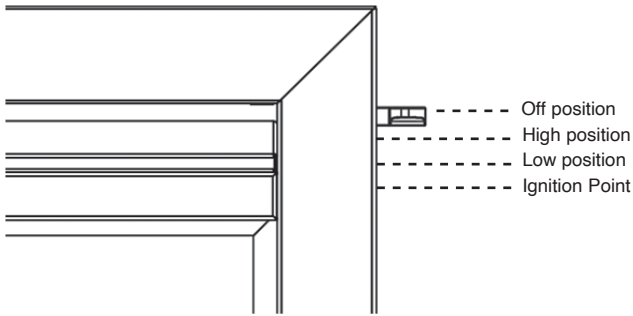
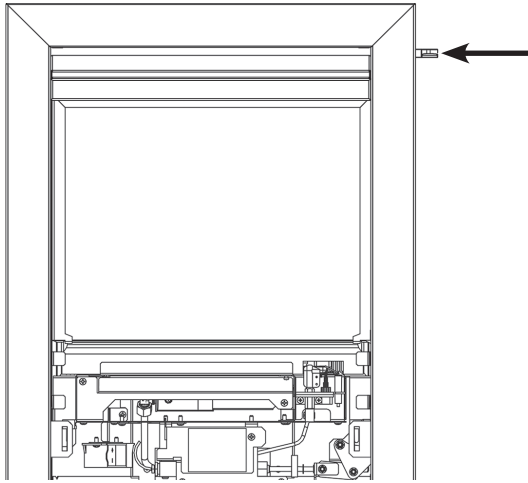
i **IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.**

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

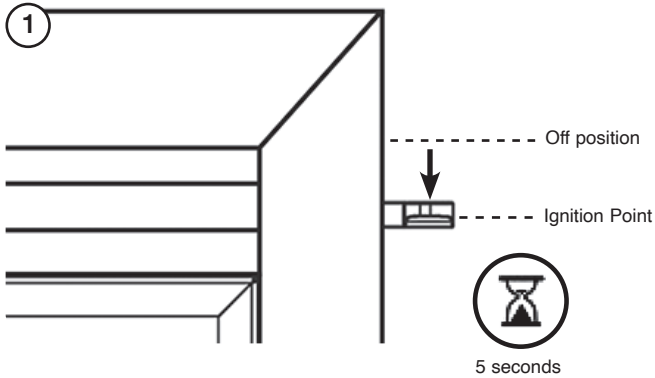
SWITCHING OFF THE APPLIANCE



2. SLIDE CONTROL

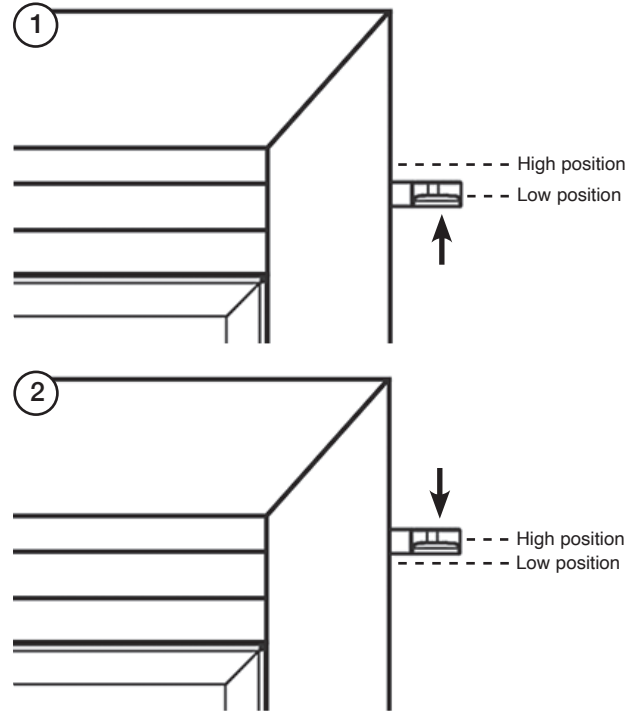


LIGHTING THE PILOT



The appliance should light on its lowest setting.
Repeat the above steps if the appliance does not light.

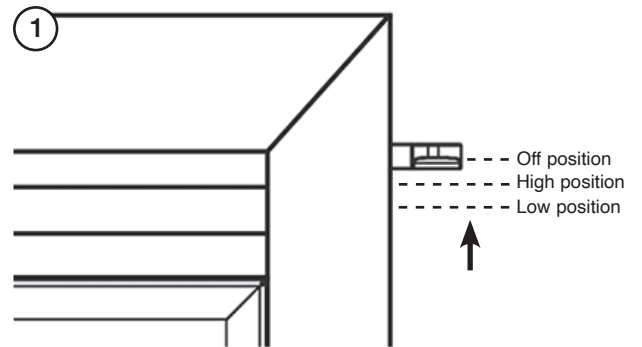
ADJUSTING THE FLAME HEIGHT



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

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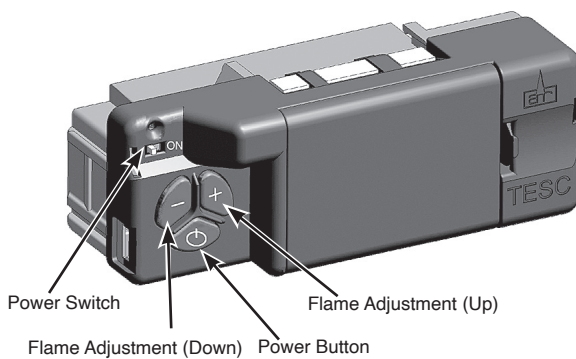
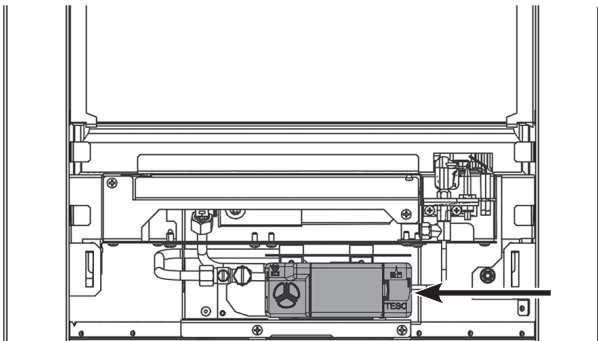
SWITCHING OFF THE APPLIANCE



See Page 46 for Replacing Slide Control.

3. REMOTE CONTROL


3A. CONTROL BOX



To operate the appliance the Power Switch on the Control Box must be switched ON (I).

Note: The Power Switch does not need to be turned off each time the appliance is not in use. However, if the appliance is left unattended for long periods of time (e.g. vacation), it is recommended to place the Power Switch into the off position.

TURNING THE APPLIANCE ON:

Press and hold the  Power Button for 1 second and release. The burner will light approximately 2 to 3 seconds later.

Use + and - buttons to adjust the flame height between Minimum and Maximum.

TURNING THE APPLIANCE OFF

Press the  power button to turn the appliance off.

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.

THE APPLIANCE WILL TAKE 3 AUTOMATIC ATTEMPTS TO RESTART. DO NOT INTERRUPT THE VALVE DURING THIS PROCESS.

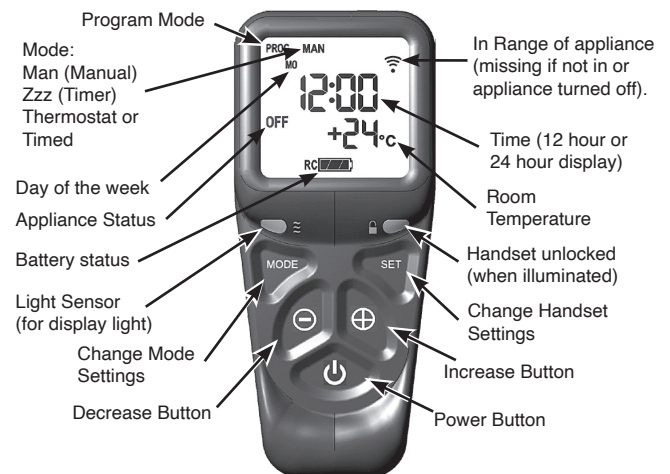
3B. REMOTE HANDSET

To operate the appliance the Power Switch on the Control Box must be switched ON (I).

i To activate the Remote Control it will be necessary to cradle the handset to unlock. The green light will illuminate to show the handset is ready to use. **IMPORTANT:** Continue to cradle the handset throughout an operation to keep it unlocked. If the green light goes off during an operation it will be necessary to reposition the handset so the light comes back on and restart the operation.



HANDSET FEATURES



The Icon at the bottom of the screen displays the battery condition of both the batteries in the handset and in the Control Box alternatively.

RC = Remote Control Handset
FC = Fire Control (Control Box)

i If the handset has been replaced or the fire has been serviced, see Installation Section to set up the handset.

MANUAL OPERATION (REMOTE CONTROL)

i To activate the Remote Control it will be necessary to cradle the handset to unlock. The green light will illuminate to show the handset is ready to use.
IMPORTANT: Continue to cradle the handset throughout an operation to keep it unlocked. If the green light goes off during an operation it will be necessary to reposition the handset so the light comes back on and restart the operation.

TURNING THE APPLIANCE ON

Press the Power Button until Pilot flashes on the display.

Release the Power Button and the Flame symbol will appear on the display.

If the button is held the command will be cancelled for safety reasons.

Holding the handset to unlock, use + and - buttons to adjust the flame height between Minimum and Maximum.

TURNING THE APPLIANCE OFF

Holding the handset to unlock, press the power button to turn the appliance off.

i **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.

THE APPLIANCE WILL TAKE 3 AUTOMATIC ATTEMPTS TO RESTART. DO NOT INTERRUPT THE VALVE DURING THIS PROCESS.

SETTING TIMER MODE (IN MANUAL OPERATION)

Timer Mode will turn the appliance off after a set period of time has elapsed.

Timer Mode can be set before or during manual operation of the fire.

i **Note: If Timer mode is activated and the fire is manually turned off, the timer will be cancelled. Changes to the Timer will reset to the default time on next use.**

If the fire is off when the Timer mode is set then the timer will automatically start when the fire is turned on.

Hold the handset to unlock and press and release the MODE button. The word MAN and the Zzz symbols flash at the top of the display.

Press and release the SET button. This will activate the Timer mode.

The default time period is 1 hour, unless altered in Advanced Settings.

Pressing the SET button again will show the remaining time. This can be altered by pressing the + or - buttons. The timer can be set between 1 minute and 24 hours.

After adjusting the time press SET again to confirm the time setting desired.

Once the countdown has reached zero the fire will turn off.

THERMOSTATIC MODE

The handset contains a thermostatic sensor to control the operation of the appliance according to the temperature of the room.

There are 3 temperature options that can be set:

Day Mode - indicated by a Sun symbol on the display (default temperature 24°C)

Night Mode - indicated by a Moon symbol on the display (default temperature 18°C)

Frost Protection - indicated by a Snowflake symbol on the display (default temperature 5°C)

PROGRAMMING THE MODES

Holding the handset to unlock, press and hold the SET button until a beep is heard to indicate the command has been received.

Release the SET button. PROG and a flashing thermometer symbol will be displayed at the top of the display.

Press and release the SET button to enter Day Mode. The current temperature setting and mode will be displayed- for example the Sun symbol on the left shows it is in Day Mode and the default temperature is 24°C.

To change the temperature press + or - whilst the set temperature is displayed to alter the setting.

Press and release the SET button to confirm and to scroll to the Night Mode.

To change the temperature press + or - whilst the set temperature is displayed to alter the setting.

Press and release the SET button to confirm and to scroll to Frost Protection mode.

To change the temperature press + or - whilst the set temperature is displayed to alter the setting.

When finished press the SET button again and the new settings will be accepted.

The display will return to the time of day screen.

CHOOSING A MODE

When choosing a mode during operation the temperature can be temporarily changed, however these settings will reset to the previously set programmed settings when the fire is turned off.

Holding the handset to unlock, press and release the MODE button several times until a thermometer symbol flashes at the top of the display.

Press the SET button to enter the Thermostatic mode.

Press the Set button again to see the current temperature setting and mode - for example the a Sun symbol on the left shows it is Day Mode and the default temperature is 24°C.

With the temperature displayed, press + or - to alter the setting.

Press the MODE button repeatedly to scroll through the settings and to select Night mode or Frost Protection.

The handset must be left in the chosen mode for it to operate.

When finished press SET again and the new setting will be accepted.

The display will return to the time of day screen.

If at any time the power button is operated during Thermostatic Mode the control will cancel any thermostat operation and return the handset to Manual Mode.

SETTING TIMER MODE (IN THERMOSTATIC OPERATION)

Timer Mode will turn the appliance off after a set period of time has elapsed.

Timer Mode can be set before or during thermostatic operation of the fire.

Hold the handset to unlock, press and release the MODE button until the word MAN and the Zzz symbols are flashing at the top of the display.

Press and release the SET button.
This will activate the Timer mode.

The default time period is 1 hour, unless altered in Advanced Settings.

Pressing the SET button again will show the remaining Time. This can be altered by pressing the + or - buttons. The timer can be set between 1 minute and 24 hours.

After adjusting the time press SET again to confirm the time setting desired.

Once the countdown has reached zero the fire will turn off.



Note: If Timer mode is activated and the fire is manually turned off, the timer will be cancelled. Changes to the Timer will reset to the default time on next use.

If the fire is off when the Timer mode is set then the timer will automatically start when the fire is turned on.

SETTING THE CLOCK

To adjust the time on the handset after initial set up:

Holding the remote to keep the green light on and the handset unlocked:

Press and hold the SET button until a beep is heard to indicate the command has been received.

Release the SET button. PROG will be displayed at the top left of the display.

Press the MODE button twice until SET UP flashes in the top right of the display.

Press and release the SET button. The handset will display an H:24.



24 denotes a 24 hour clock and 12 denotes a 12 hour clock.

Press the + or - button on the handset to toggle between the two settings.

Press the SET button to confirm and progress to setting the day of the week.

SETTING THE DAY OF THE WEEK

Press and release the + and - buttons until the correct day of the week is shown on the display.



Mo = Monday, **Tu** = Tuesday, **We** = Wednesday, **Th** = Thursday, **Fr** = Friday, **Sa** = Saturday and **Su** = Sunday.

Press SET to confirm the day of the week and progress to setting the time.

SETTING THE HOUR

Press and release the + or - button to change the hour to the correct hour. Press SET to confirm and progress to setting the minute.



SETTING THE MINUTES

Repeat the process to change the minutes.

SETTING THE TEMPERATURE DISPLAY (CELSIUS OR FAHRENHEIT)

Press and release the + or - button to toggle between C and F. When the display shows the desired symbol, press and release the SET button to store.



To enter Advanced Settings, see below. To finish, place the handset down and wait until the home screen is displayed and the unlock light goes off.

! ALL THE NECESSARY SETTINGS REQUIRED HAVE NOW BEEN COMPLETED. ANY FURTHER FUNCTIONS ON THIS HANDSET ARE FOR FACTORY SETTING AND NOT TO BE USED.

The Handset is now ready to operate the appliance.

ADVANCED MENU SETTINGS

It is possible to change additional preset settings of the control features.

Access the Advanced Menu Settings. Press and release the SET button to enter the Advanced Settings Menu.

Advanced Settings are:

Back Light (L)

- A = Automatic (default setting).
The backlight comes on in the dark.
- O = Light never comes on.
- 1 = Light comes on when the handset is unlocked.

Display Contrast (C)

- 8 Levels from 0 - 7 (Default level 4).

P = Pairing with devices other than the Control Box. This feature is not available on this appliance.



IMPORTANT: THE FURTHER FUNCTIONS ON THIS HANDSET ARE FOR FACTORY SETTING ONLY AND ARE NOT TO BE USED. PLACE THE HANDSET ON A FLAT SURFACE AND WAIT UNTIL THE HOME SCREEN IS DISPLAYED AND THE UNLOCK LIGHT TURNS OFF.

PAGING THE HANDSET

If the handset is lost it can be located by pressing the + only on the Control Box for 5 seconds.

The handset will flash and make a noise for 60 seconds to indicate where it is.

Pick up the Handset and cradle it to unlock. The flashing and noise will stop.

If the handset is not discovered in 60 seconds the process will need to be repeated.

CHANGING THE DEFAULT TIMER MODE

It is possible to change the default time period for the Timer mode.

The default time period for Timer mode is factory set to 1 hour.

To change the default time:

Holding the remote to keep the green light on and the handset unlocked:

Press and hold the SET button until a beep is heard to indicate the command has been received.

Release the SET button. PROG will be displayed at the top left of the display.

Repeatedly press the MODE button until the Zzz symbol flashes at the top of the display.

Press and release the SET button.

Press the + or - buttons to alter the default time period. The timer can be set between 1 minute and 24 hours.

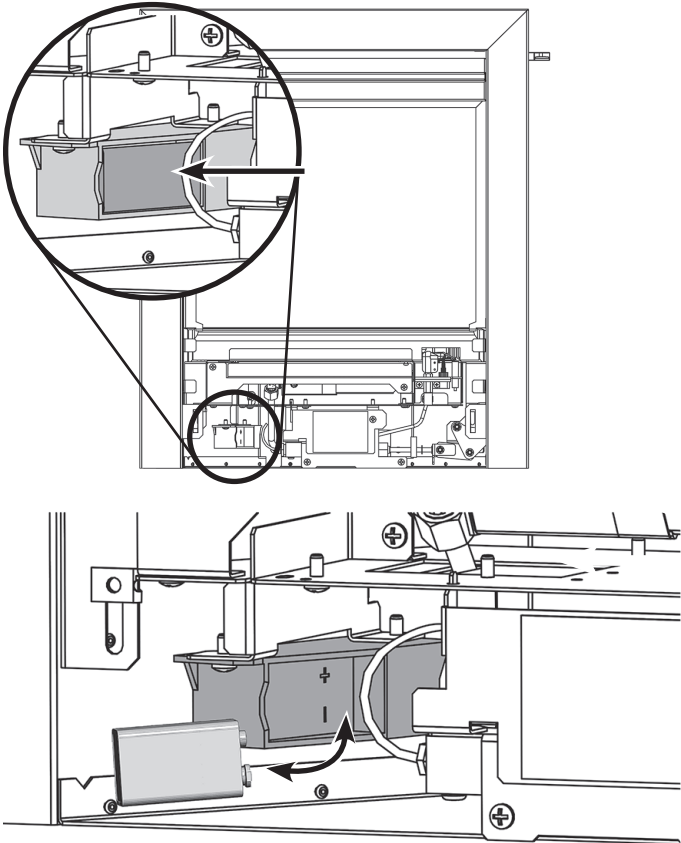
After adjusting the time press SET again to confirm.

Note: This does not activate the Timer mode, see Installation Section, Manual Operation or Thermostatic Mode.

MAINTENANCE

CHANGING THE BATTERIES

1. SLIDE CONTROL



Remove the old battery and replace with a new high quality (Duracell or similar) 9V battery.

i It is essential to use high quality batteries (Duracell or equivalent) when replacing batteries.

2. REMOTE CONTROL

Replace batteries at least every 12 months during the annual service of the fire.

i It is essential to use high quality batteries (Duracell or equivalent) when replacing batteries.

The icon at the bottom shows the battery condition of both the batteries in the handset and in the Control Box alternately.

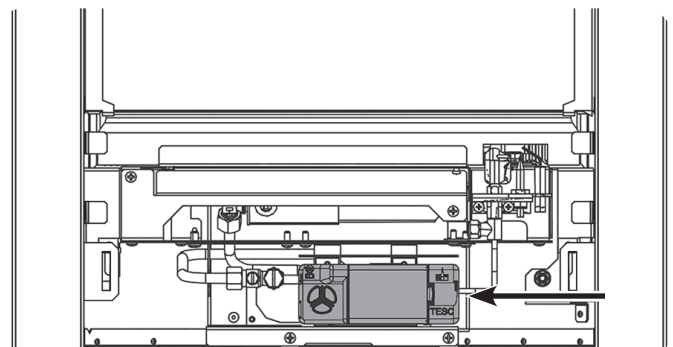


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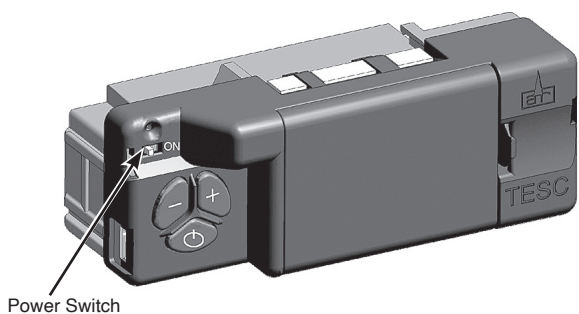
i Note: Change the batteries in the handset before they are flat, to avoid having to reprogram the time of day in again. N.B. Pairing is not lost, even if the batteries are removed or flat.

The appliance Control Box requires 3 AA size alkaline batteries.

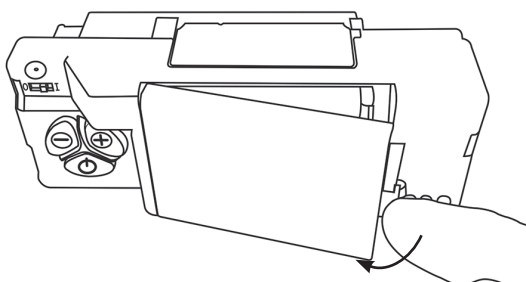
The handset requires 2 AA size alkaline batteries.



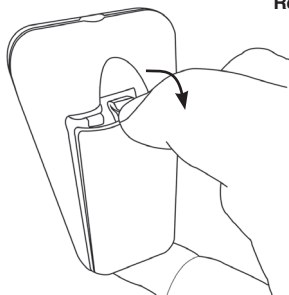
Slide the Power Switch on the Control Box to the OFF (o) position before attempting to change the batteries.



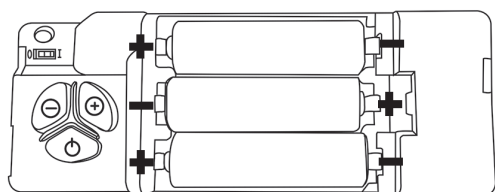
Control Box



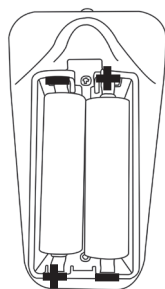
Remote Control



Control Box



Remote Control



Power Supply via Micro USB



It is possible to power the Control Box via a 5V Micro USB connection. If a USB lead is used batteries are not required in the Control Box.

DO NOT CONNECT OTHER ELECTRIC DEVICES TO THE CONTROL BOX.

After fitting the batteries, slide the white Power Switch on the Control Box to the ON (I) position for the appliance to operate.



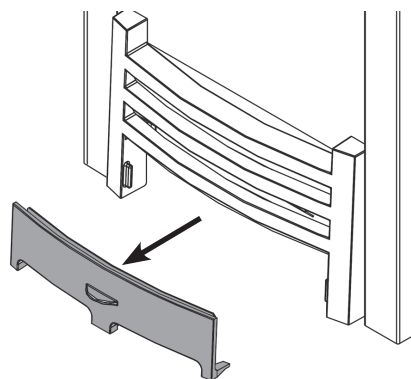
Note: The Power Switch does not need to be turned off each time the appliance is not in use. However, if the appliance is left unattended for long periods of time (e.g. vacation), it is recommended to place the Power Switch into the off position.

CLEANING THE APPLIANCE

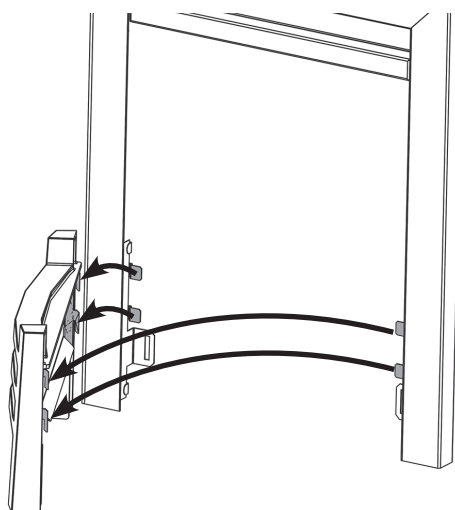


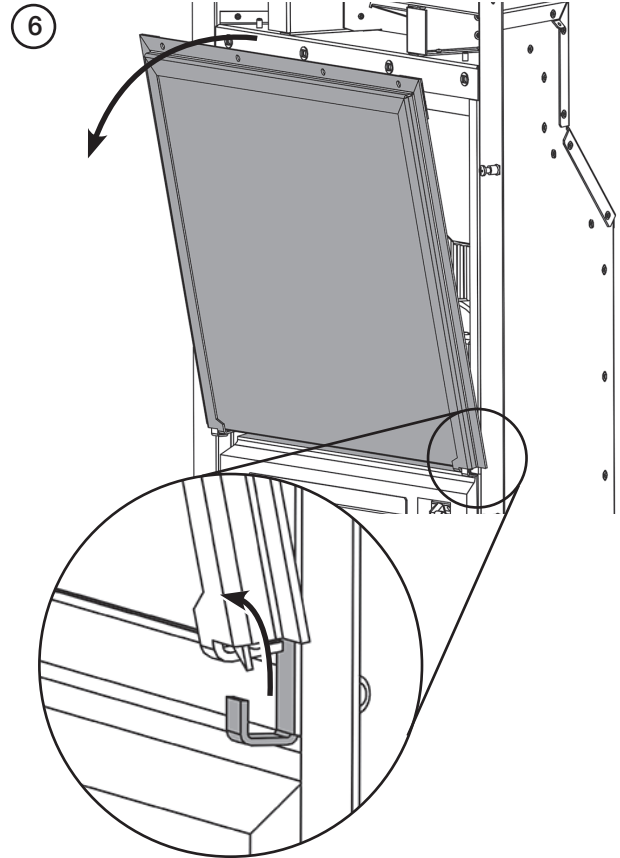
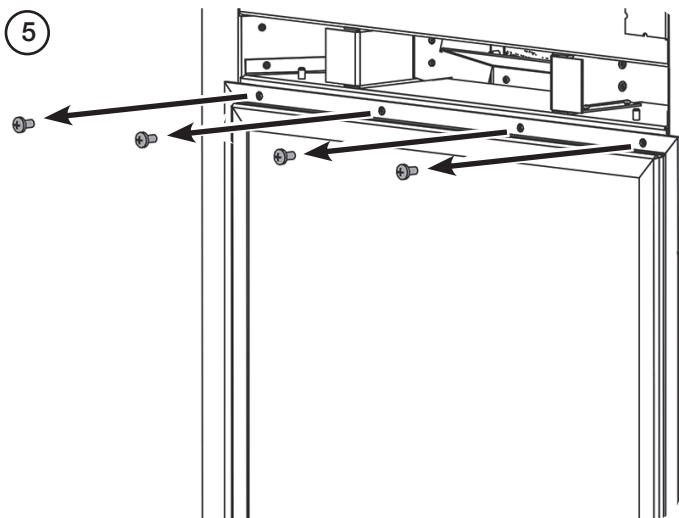
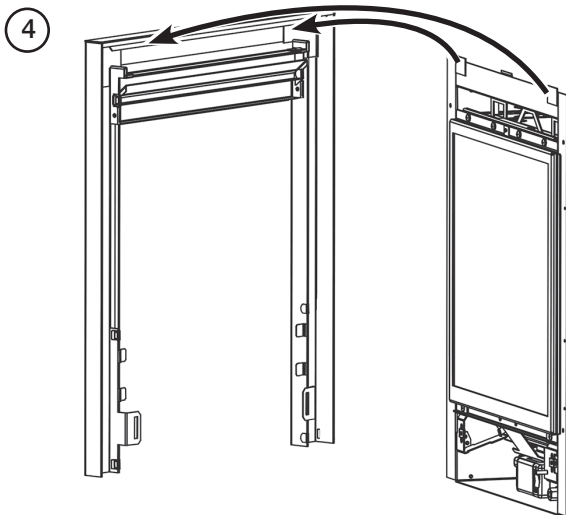
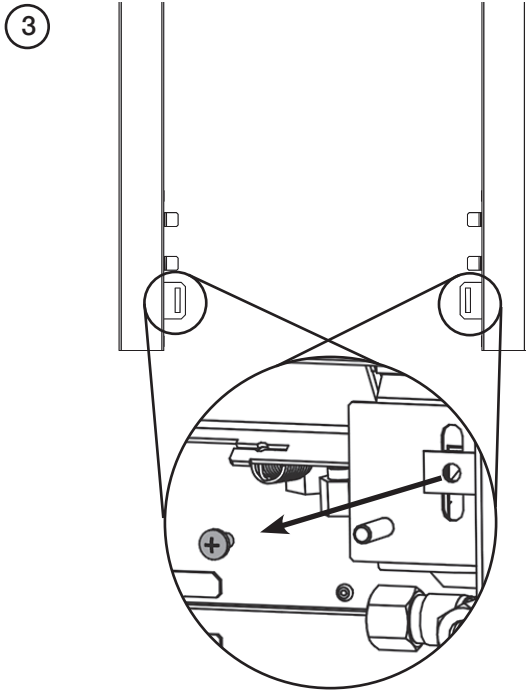
MAKE SURE THE APPLIANCE AND SURROUNDS ARE COOL BEFORE TRYING TO CLEAN.

1



2





To clean the glass surface, Gazco recommends hot soapy water.

The glass frame must be refitted to the appliance following cleaning or servicing.

Lower the glass frame into the lower location tabs on the box. The tabs should locate between the glass and the decorative front - see Diagram detail.

Secure the glass frame using 4 screws in the retaining bracket. Replace ALL of the securing screws ensuring that a screw is present in all fixing slots.

NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED OR BROKEN.

Replace the front of the appliance.



UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED IF ANY OF THE GLASS FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

Remove the ceramic coals and fuel bed and place on a dry clean surface.

Check the burner cover gasket for damage. Replace any damaged parts with genuine Gazco replacement parts, contact your Gazco retailer.

Carefully clean the burner and tray assembly using a vacuum cleaner with soft brush attachment, ensure all debris is removed from the burner ports.

WARNING: Take care when using a vacuum cleaner on the burner gasket as this is extremely delicate and may deteriorate after use.

Replace the ceramics.

COAL LAYOUT

ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS



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

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

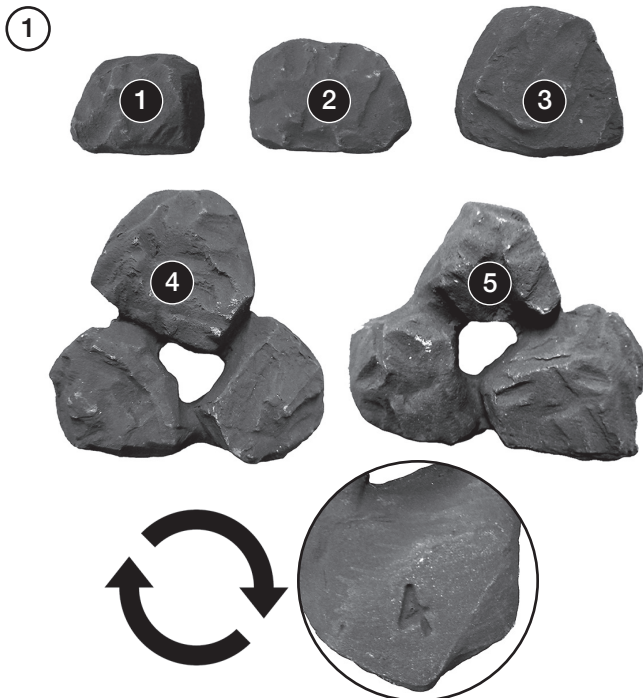
To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are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

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

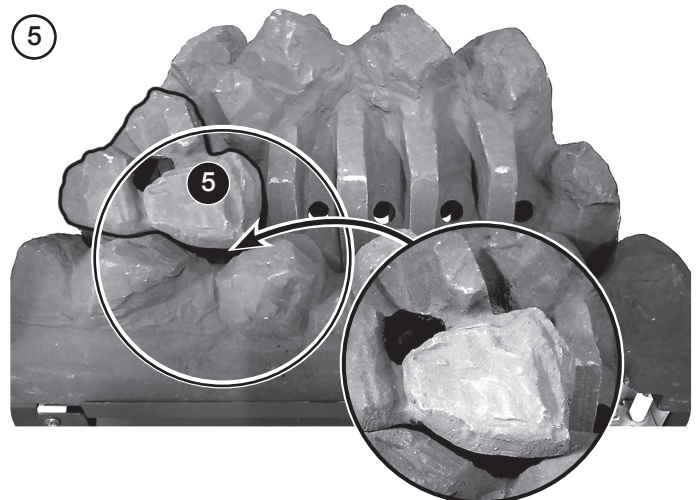
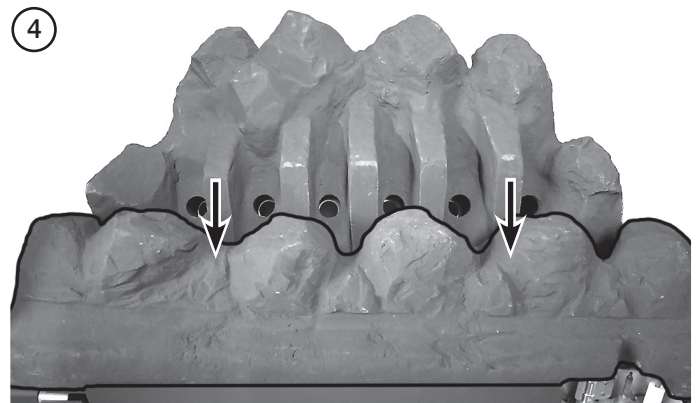
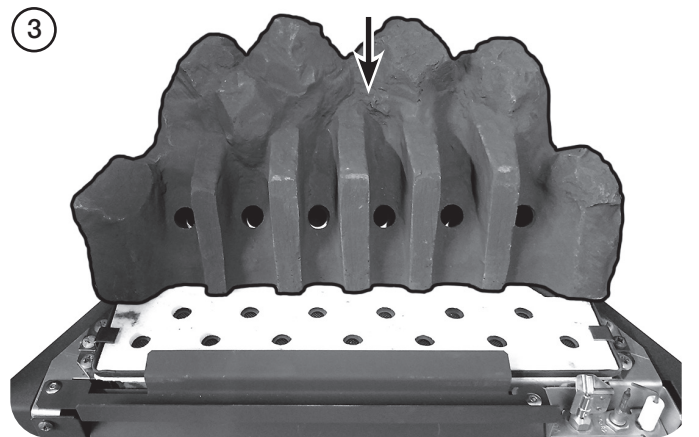
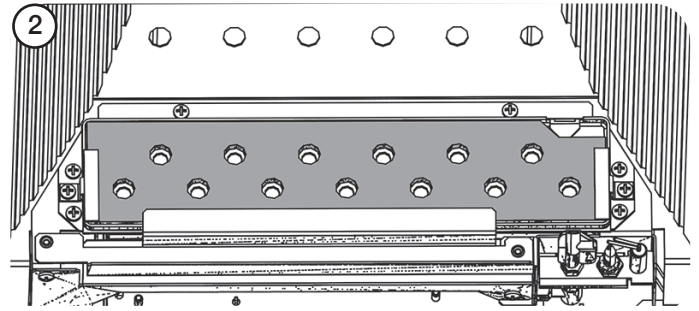
Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

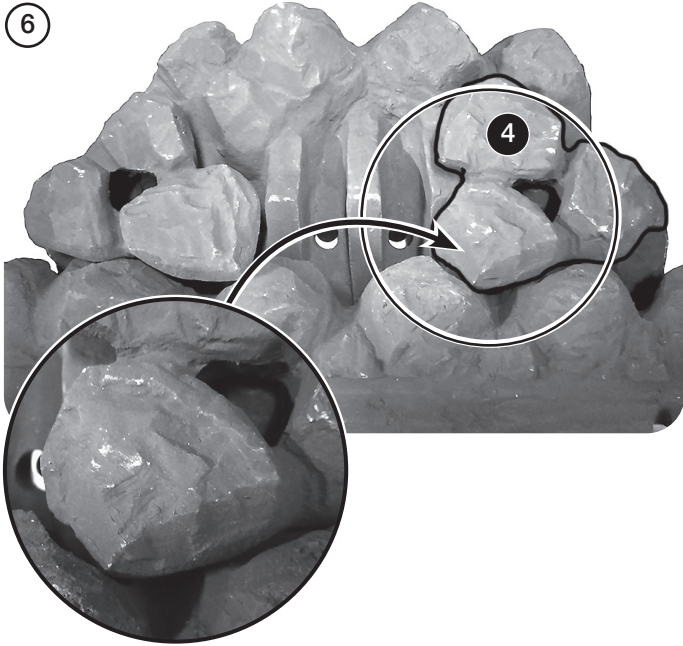
NOTE: CERAMIC PARTS ARE FRAGILE. HANDLE WITH CARE.

ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS. ALWAYS FOLLOW THE FUEL BED LAYOUT AS STATED IN THESE INSTRUCTIONS. NEVER CHANGE THE LAYOUT FROM THAT SHOWN HERE.



Ensure the burner cover gasket is positioned on the burner skin ensuring the holes align with the ports.





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

OXYGEN DEPLETION SENSOR

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

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

FLAME FAILURE DEVICE

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.

RUNNING IN

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.

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

PILOT AREA WHITENING

Gas fire owners (not exclusive to Gazco) have reported issues of whitening around the pilot areas on their Conventional Flue glass fronted products. These white marks can also appear on glass or enamel panels inside the fire and on the inside of the glass.

The cause of this has been identified as Silica Dioxide. Gazco can confirm that there are no Silicone products used in our conventionally flued fires and is therefore forming from sources external to the appliance. Silica Dioxide can be widely found in domestic cleaning products, cosmetics, scented room diffusers and candles.

To reduce this problem, Gazco would recommend the removal of any products that could possibly contain Silica Dioxide from the room the fire is situated in. In addition to this, the whitening appears to be worse when the product is left for long periods of time in the pilot only position. This should also be reduced where customers are experiencing this problem.

SERVICING AND SUPPORT



Servicing and Support

To keep your appliance looking and performing at its best, it must be serviced annually. This service must be undertaken by a suitably qualified individual and your retailer can organise this for you. Alternatively, Gazco offer a manufacturers premium service with our friendly team of qualified engineers which can be booked at www.gazco.com/support.

In all correspondence always quote the Model number and the Serial number which may be found on the Commissioning Checklist (Page 3).

VENTILATION

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

AIR VENTS MUST NOT BE RESTRICTED.

INSTALLATION DETAILS

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.

HOT SURFACES

Parts of this appliance become hot during normal use. Regard all parts of the appliance as a 'working surface', except for the control access panel and the slide control handle (Slide Control models only).

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

APPLIANCE WILL NOT LIGHT

If you cannot light the appliance:

Check and change the batteries in the remote handset.

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

INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

Covering the following models:

CONTROL	MANUAL	SLIDE	REMOTE
Nat Gas	101-008	101-016	101-043
LPG	101-405	101-426	101-449

MODEL		GAS CAT.	GAS TYPE	WORKING PRESSURE	AERATION	INJECTOR	GAS RATE M ³ /H		INPUT KW (GROSS)		COUNTRY
							HIGH	LOW	HIGH	LOW	
LOGIC HE	MANUAL	I ₂ H	Natural Gas G20	20mbar	2 x 9mm	063	0.457	0.228	4.8	2.4	GB, IE
	SLIDE										
	REMOTE										
LOGIC HE	MANUAL	I ₃ P	Propane G31	37mbar	2 x 17mm	150	0.169	0.086	4.65	2.3	GB, IE
	SLIDE										
	REMOTE										
Efficiency 89% Net (Class 1)											
NO_x Class 4											
Min Flue Size - 5" diameter											
Min Flue Size - pre cast - 90mm x 183mm (16,500mm²)											
Min Flue Specification - T250/N2/O/D/1											
Gas Inlet - 8mm											

i The net efficiency of these appliances have been measured as specified in BS7977-1:2009 and the result after conversion to gross using the appropriate factor from Table E4 of SAP 2012 is 80.2%. The test data has been certified by Kiwa Nederand BV. The gross efficiency value may be used in the UK Government's Standard Assessment Procedure (SAP) for energy rating of dwellings.

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 Appliance 1 x Coal Set*	1 x Instruction manual 1 x Flue Restrictor 1 x Rubber Seal
*Packed in appliance	

TECHNICAL SPECIFICATION

COMPLETE FRONT OPTIONS

FRONT	MANUAL & REMOTE	SLIDE CONTROL
Designio2	901-493, 901-511, 901-526	901-539,901-580, 901-643
Tempo	912-197, 912-221, 912-316	901-385, 901-403, 9012-414
Winchester	8697MB, 8697HP	901-369, 901-372
Vogue	901-398	901-440
Beat	901-350	901-350
Stockton	901-488	901-488
Dartmouth	YM989-001	YM989-001

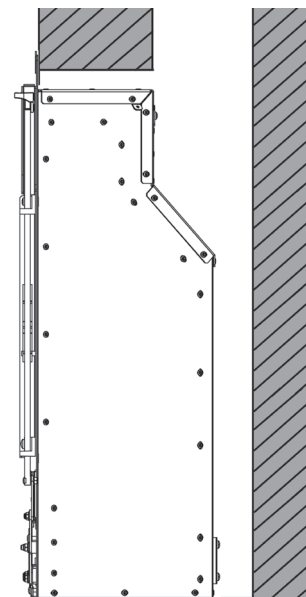
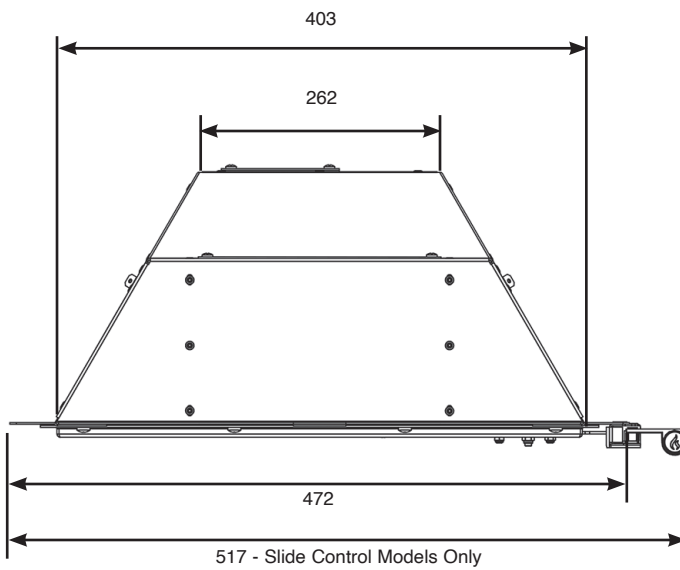
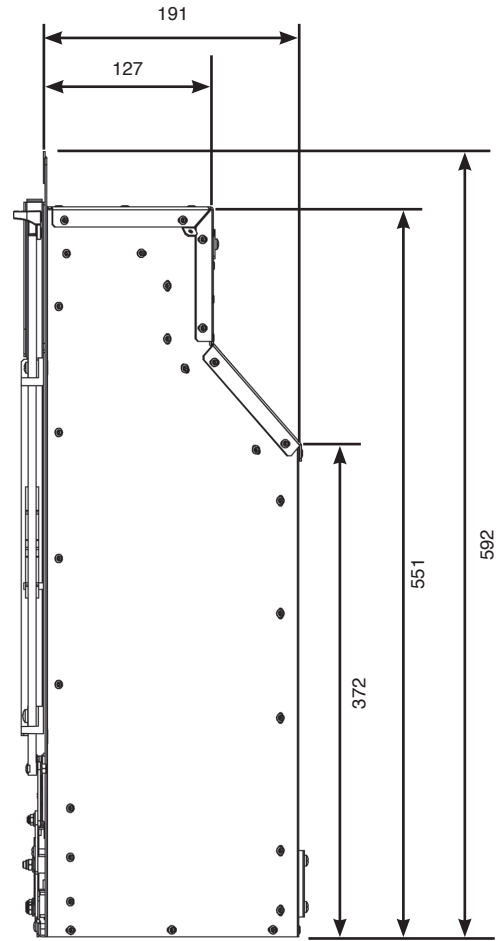
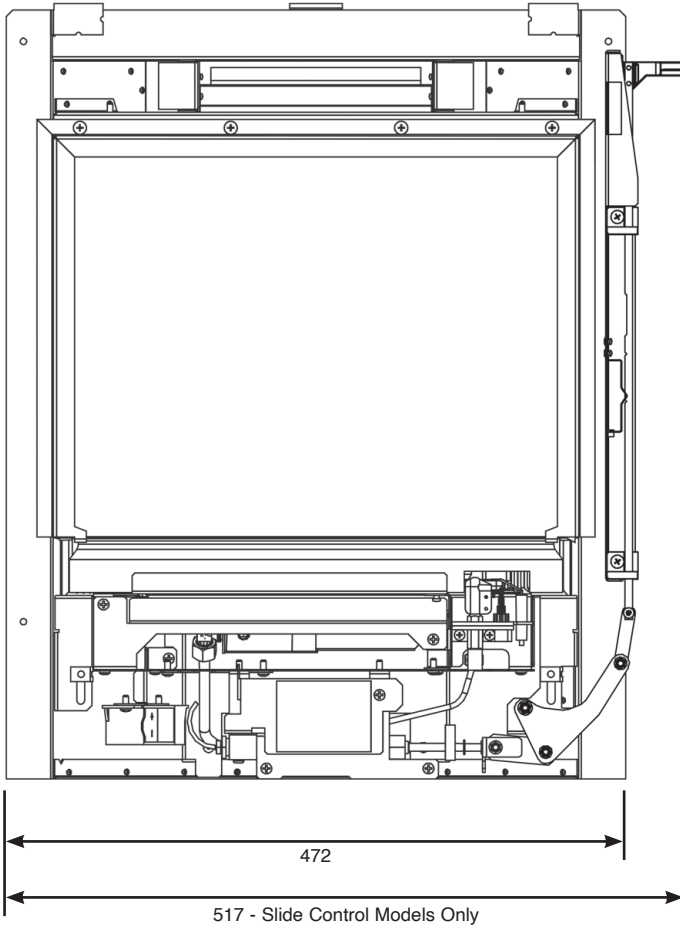
FRAME & FRONT COMBINATIONS

FINISH	FRAMES			
	BOX PROFIL2 FRAME ***		ARTS2 FRAME ***	
	MANUAL & REMOTE	SLIDE	MANUAL & REMOTE	SLIDE
Matt Black	912-232	901-272	912-862	901-167
Polished Brass Effect	912-140	901-286	-	-
Polished Steel Effect	912-027	901-299	-	-
Brushed Steel Effect	912-358	901-310	-	-
Polished Brass	-	-	912-508	901-194
Polished Stainless Steel	-	-	912-914	901-206
Brushed Stainless Steel	-	-	912-268	901-214

FINISH	FRONTS		
	ARTS FRONT	WAVE FRONT	CHARTWELL FRONT
	ALL MODELS	ALL MODELS	ALL MODELS
Matt Black	901-425	901-024	901-159
Polished Brass Effect	901-530	901-061	901-164
Highlight Polished	901-296	901-092	901-185
Polished Chrome	901-476	901-083	901-170

DIMENSIONS

All dimensions in mm. (25.4 mm = 1")



SITE REQUIREMENTS

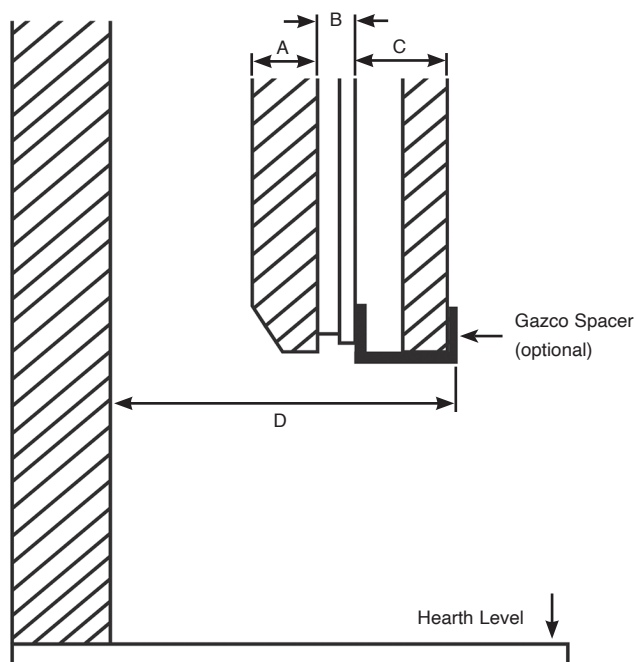
FLUE & CHIMNEY REQUIREMENTS

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

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

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

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



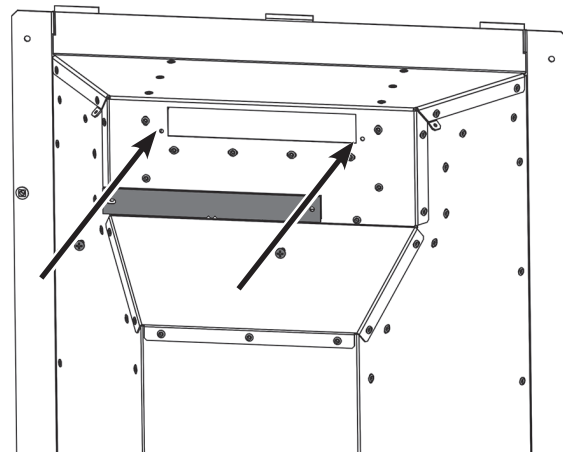
- A = Minimum precast flue starter block depth (115mm)
- B = Plasterboard and adhesive seal all around appliance opening
- C = Gazco Spacer (8315)
- D = Minimum total depth including 25mm for debris

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

* Class 1 flues. Chimneys over 9" (229mm) x 9" (229mm) must be lined.

FLUE RESTRICTOR

A flue restrictor is provided with this appliance. This can be fitted when the flue is equal to or greater than 7" or when the flue pull is excessive.



This is fitted from outside the appliance across the outlet at the top of the box with 2 screws provided.

The minimum effective height of the flue or chimney must be 3m (10ft).

The chimney or flue must be free from any obstruction. Any damper plates should be removed or secured in the fully open position, and no restrictor plates should be fitted.

The chimney should be swept immediately before installing the appliance, but it need not be swept if you can see the chimney is clean and free from obstruction throughout.

Ensure that there is a smooth taper transition from the fireplace opening into the chimney or flue.

The flue pull should be checked prior to installation of the appliance. Apply a smoke pellet to the flue or chimney opening and ensure that the smoke is drawn into the opening. If there is not a definite flow, preheat the chimney for a few minutes and re-test the flow.

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

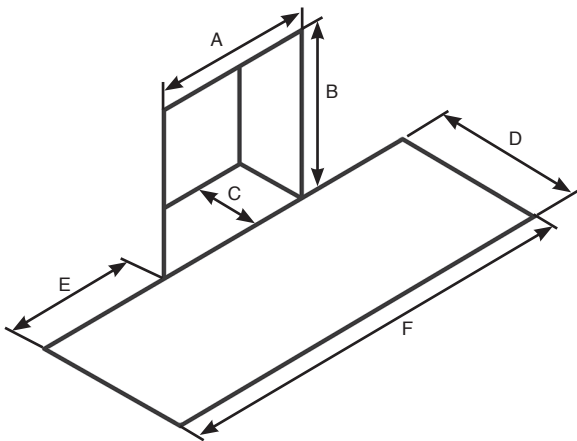
SITE REQUIREMENTS

APPLIANCE LOCATION

This appliance must stand on a non combustible hearth that is at least 12mm thick. If the appliance is greater than 50mm above the floor, then no hearth is required, although due consideration should be given to how the heat may affect the floor material.

NOTE: It is recommended you construct the back panel of the fireplace 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.

These appliances must be hearth mounted into a non-combustible opening to National Standards. The minimum dimensions shall be as shown.

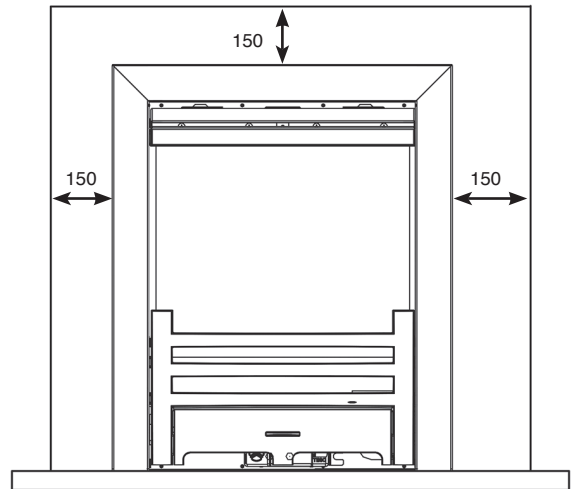


FLUE TYPE DIMENSION	BRICK BUILT CLASS 1	PRE FAB METAL BOX	PRE CAST FROM 1986
	(mm)		
A	410	407	305
B	560	560	560
C	250	200	215
D	300	300	300
E	150	150	150
F	710	707	605

Ensure that no naked flame or incandescent part of the fire bed projects beyond the vertical plane of the fireplace opening.

The appliance must not be installed in any room that contains a bath or shower.

Ensure clearances to combustible materials (mm).



Dimensions given are to the decorative front of the appliance.

The maximum depth of combustible shelf is 150mm at a minimum height of 150mm above the decorative front.

Refer to the appropriate Frame Instructions regarding additional wall strengthening for the frame.

GAS SUPPLY

Make sure local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible before installation.

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

This appliance is supplied complete with a factory fitted isolation device incorporated into the inlet connection, no further isolation device is therefore required.

VENTILATION

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

This appliance has a nominal input not exceeding 7.0kW and therefore does not normally require any additional permanent ventilation. If, however, spillage is detected when commissioning the appliance, there may be insufficient natural ventilation and additional ventilation may be required.

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

AIR VENTS MUST NOT BE RESTRICTED.

INSTALLATION

SAFETY PRECAUTIONS

For your own and other's safety, you must install this appliance according to local and national codes of practice. Failure to install the appliance correctly could lead to prosecution. **Read these instructions before installing and using this appliance.**

These instructions must be left intact with the user.

Do not attempt to burn rubbish on this appliance.

Keep all plastic bags away from young children.

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.

The appliance is fitted with an oxygen sensitive pilot that will act to cut off the gas supply to the appliance in the event of incorrect operation of the flue.

If the system acts to shut off the gas supply, this indicates that there is insufficient flue pull. Continued operation of this safety device means that there may be a serious problem with the flue system, and this should be inspected by a qualified gas engineer. **Do not use the appliance until an engineer says it is safe to do so.**

The oxygen sensitive pilot must not be tampered with. Use only genuine Gazco replacement parts when servicing the appliance - refer to Servicing section.



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.

CO ALARMS

Building regulations require that whenever a new or replacement fixed gas burning appliance is installed in a dwelling, a carbon monoxide alarm complying with BS EN 50291-1 (latest edition) must be fitted in the same room as the appliance. Further guidance and recommendations on the installation of carbon monoxide alarms is available in BS EN 50292 (latest edition) and from manufacturers' instructions.

Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance.

UNPACKING

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.

INSTALLATION OF THE GAS SUPPLY

For specific gas types and working pressures see Technical Specification Pages.

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

Ensure that the gas supply is capable of delivering the required amount of gas and is in accordance with the rules in force. Please refer to the technical specification for the correct working pressure for the gas used.

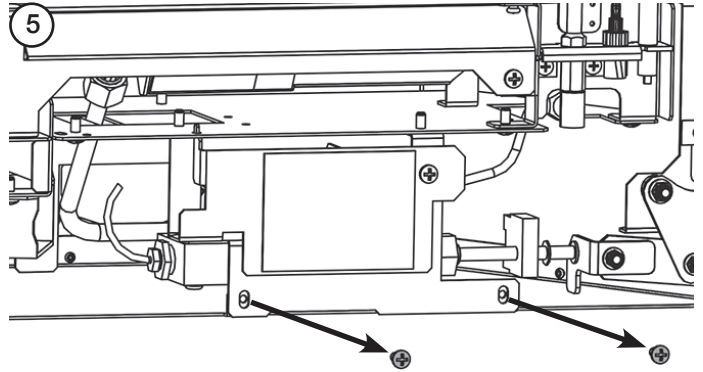
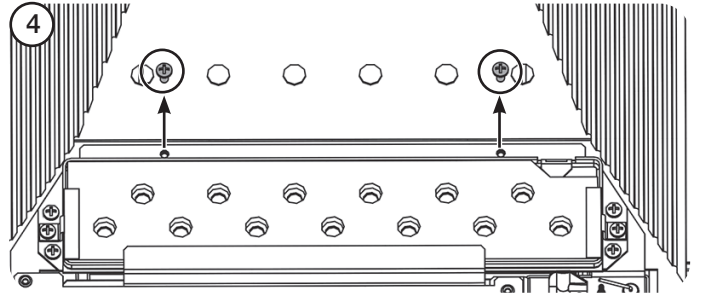
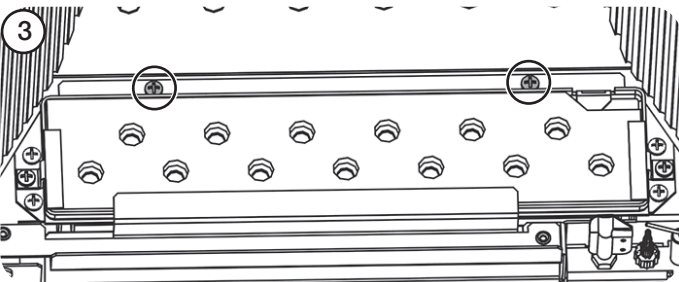
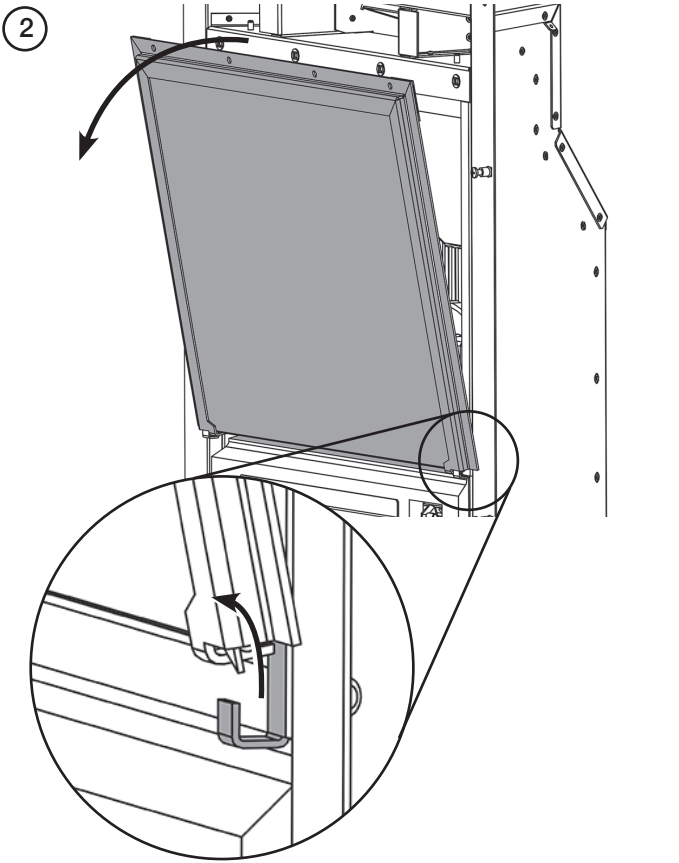
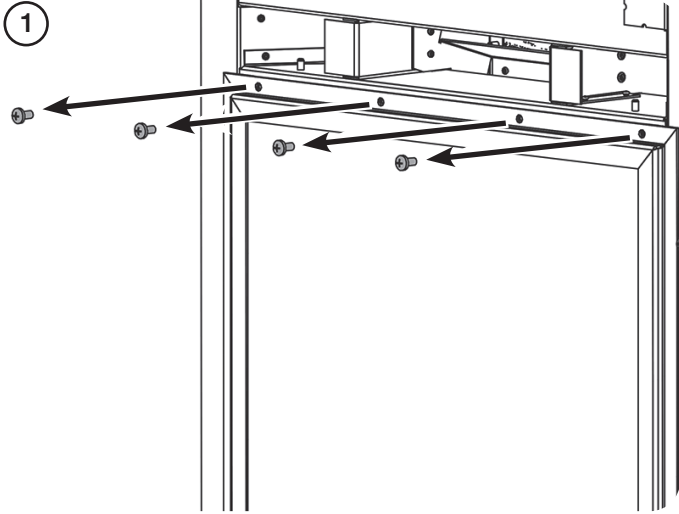
Soft copper tubing and soft soldered joints can be used but must not be closer than 50mm (2") to the underside of the burner.

An isolation device is provided with the appliance.

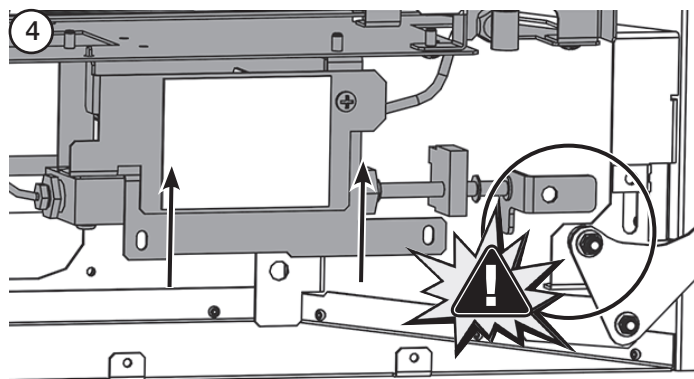
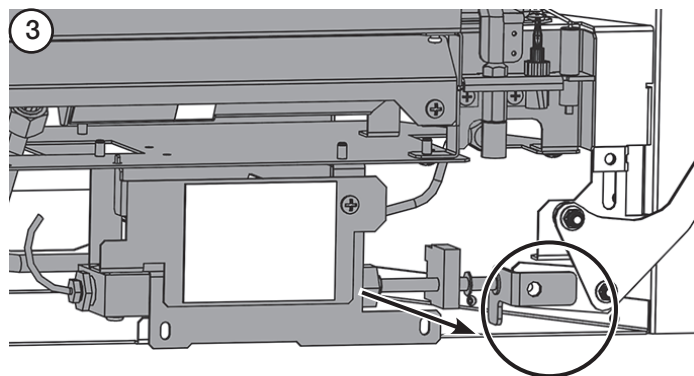
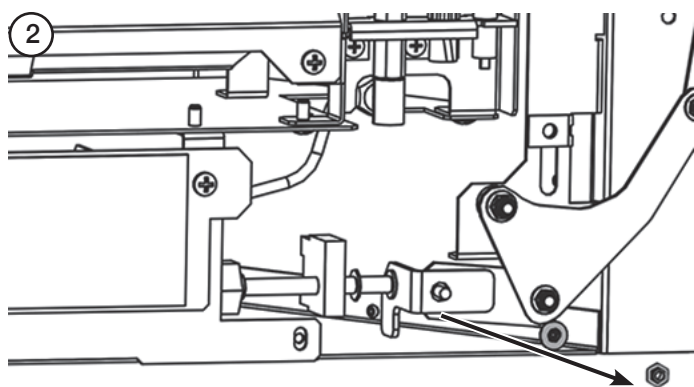
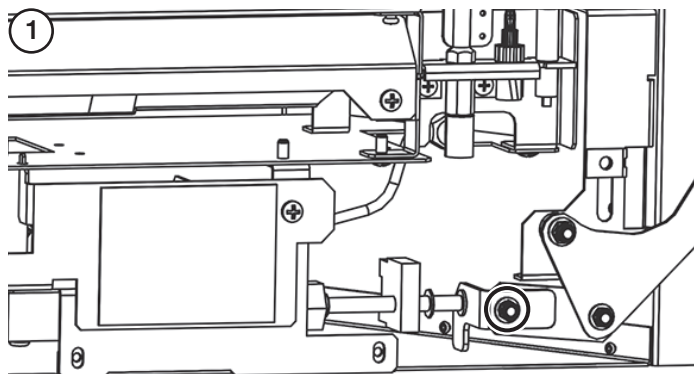
All supply gas pipes must be purged of any debris that may have entered, prior to connection to the appliance.

This appliance is intended for use on a gas installation with a governed meter.

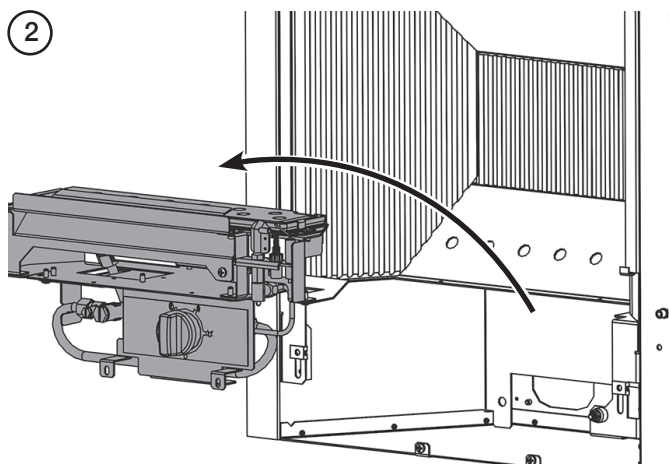
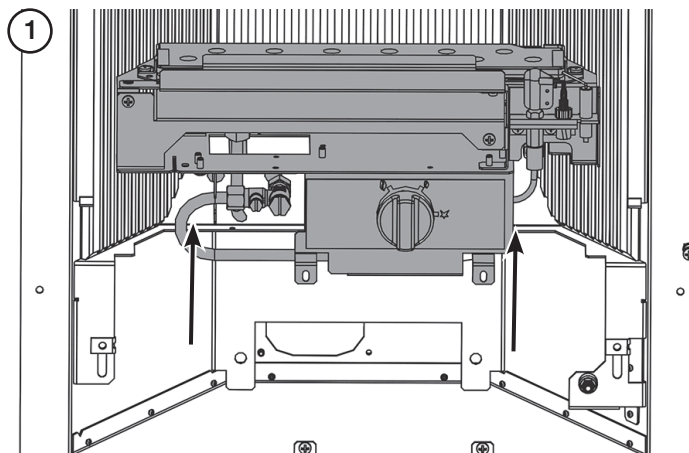
PREPARING THE APPLIANCE



SLIDE CONTROL ONLY

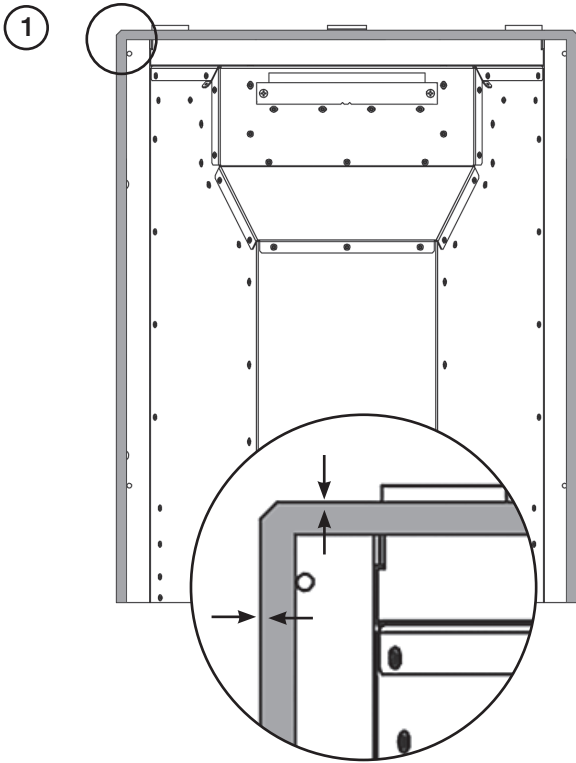


ALL MODELS

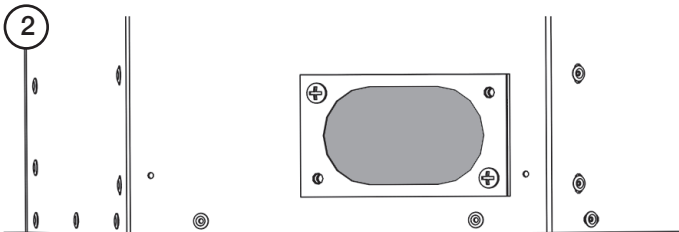


CABLE RETENTION METHOD

Apply silicone seal to the rear flange of the firebox.

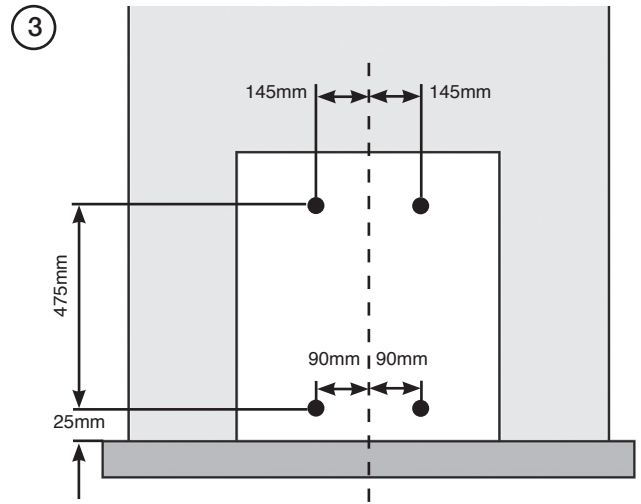


Gas pipe entry must come through the rear of the box. The rubber seal must be cut using a sharp knife to allow the isolating elbow to pass through it. Ensure the rubber is not damaged when doing this.

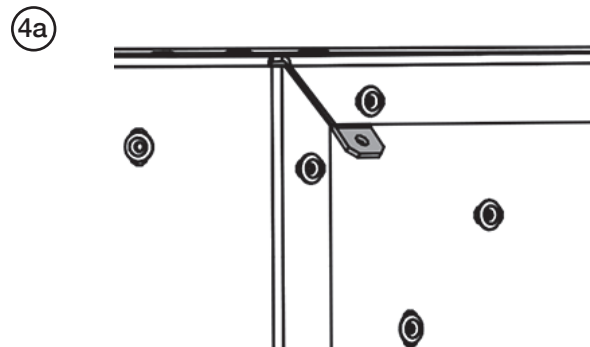
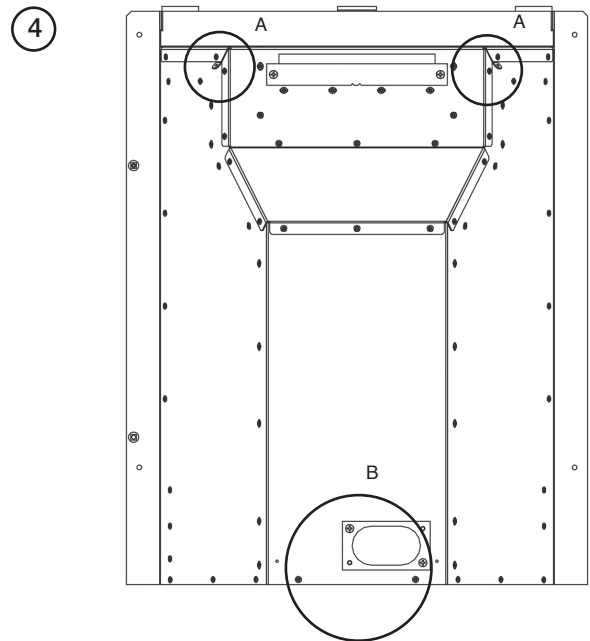


A means of isolation is provided with the appliance. This must be fitted to the supply pipe prior to installing the firebox.

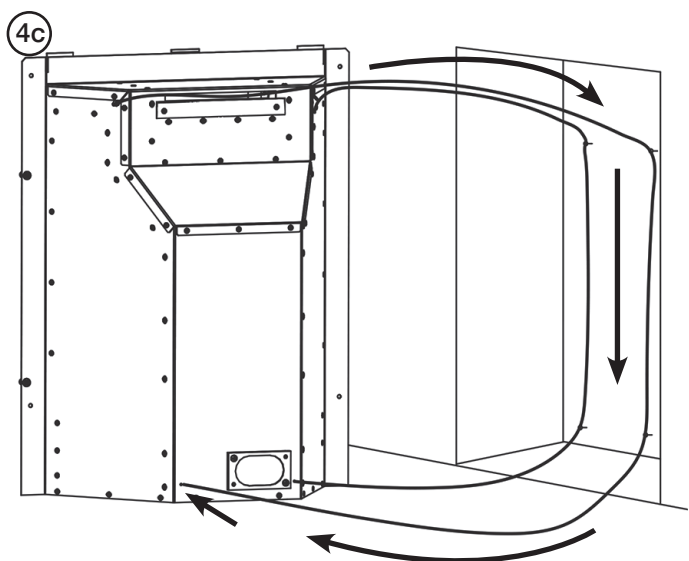
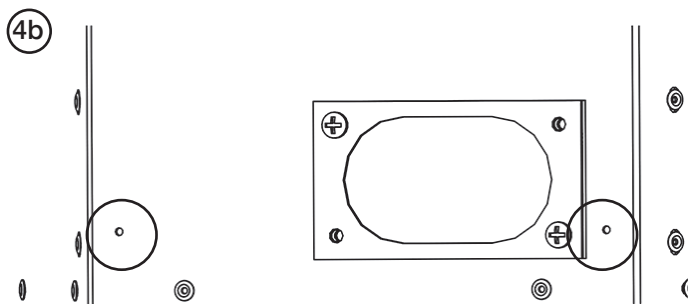
Mark the position of the 4 fixing holes on the rear of the fireplace opening and drill the holes using a 7mm masonry drill bit. Insert the 4 steel expansion plugs and screw the eyebolts in as far as possible leaving the eye horizontal.



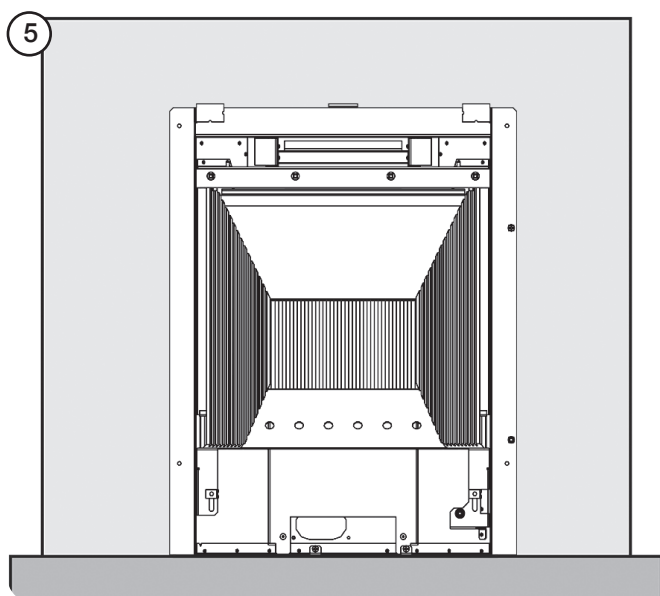
Pass the 2 cables through the holes in the back of the firebox (A).



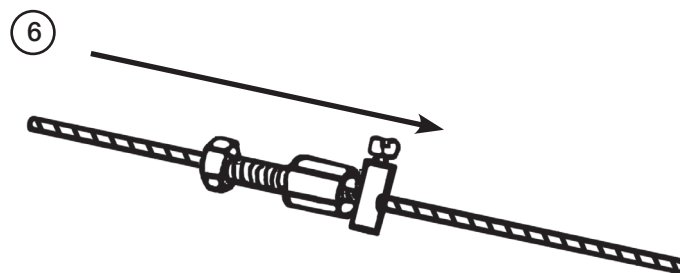
Pass the cables vertically through the 2 sets of eyebolts and thread the ends through the holes in the lower back of the firebox.



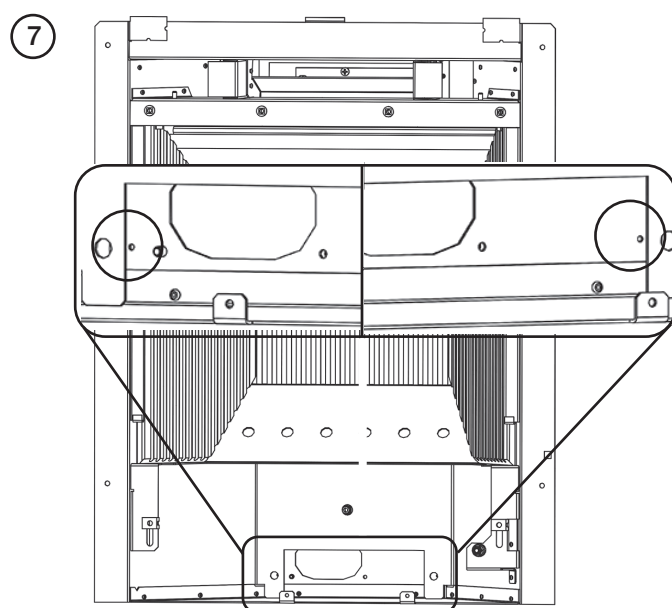
Pass the gas supply pipe through the hole in the rubber seal and push the appliance into place.



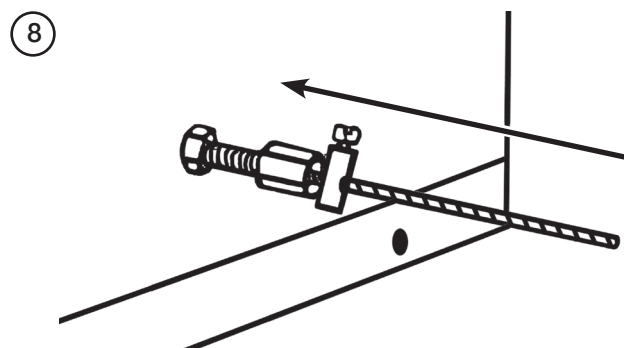
Thread the cables through the tensioner bolts.



Push the threaded portions through the holes in the firebox so that the lock nut sits against the back wall (ensure that the nut is screwed fully up to the head of the tensioner to allow maximum adjustment).



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



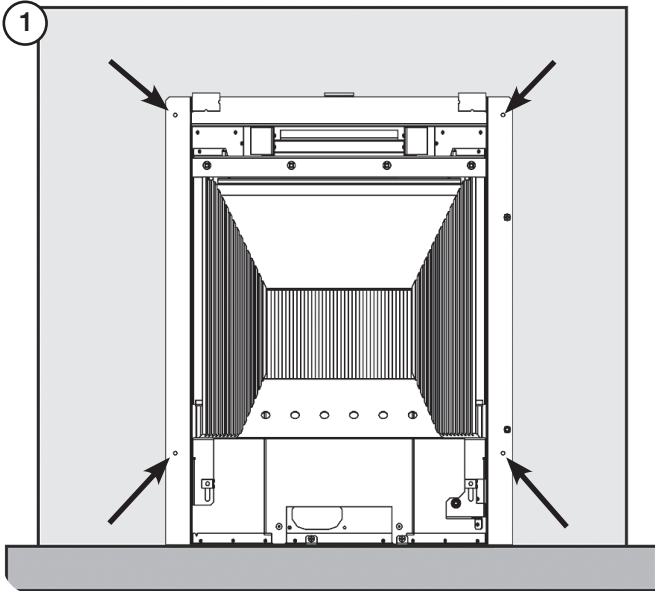
Coil up the surplus cable and locate in the back of the firebox.

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

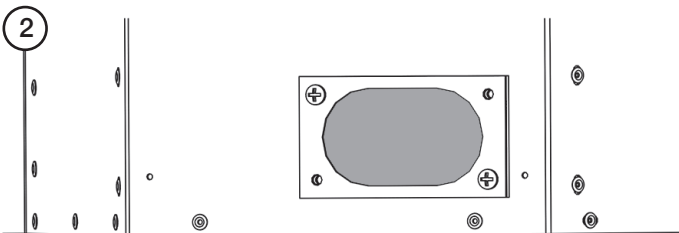
Carefully refit the burner assembly.

SCREW FIXING METHOD

Place the firebox centrally in the opening and mark the positions of the 4 fixing holes. Drill the holes and insert the 4 expansion plugs.



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

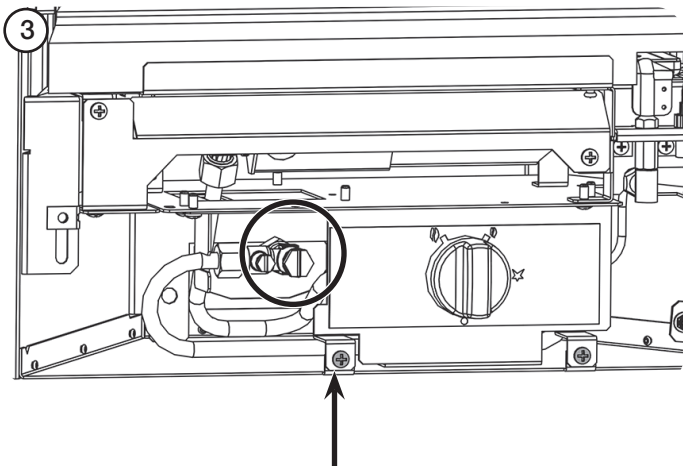


Carefully refit the burner assembly.

Connect the gas supply to the inlet connection on the burner unit and tighten. It may be necessary to support the inlet connection with another spanner whilst tightening this joint.

MANUAL CONTROL

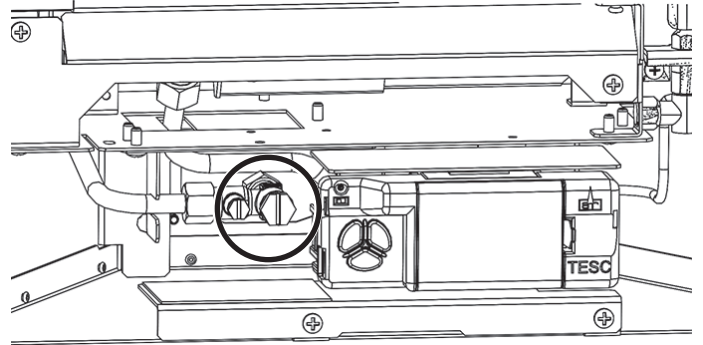
The isolation elbow is highlighted below.



Secure the screws holding the box to the wall.

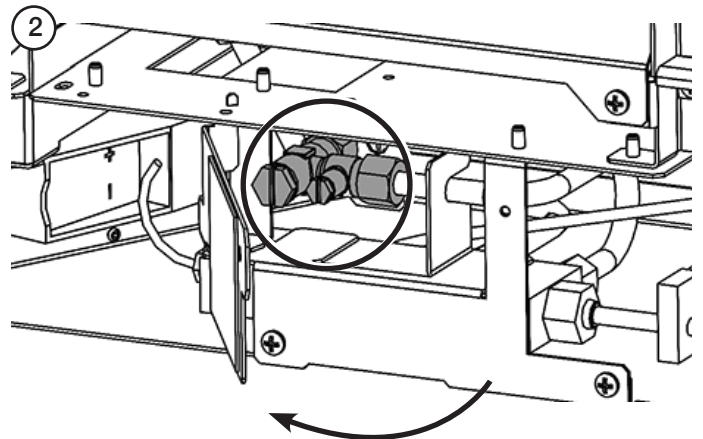
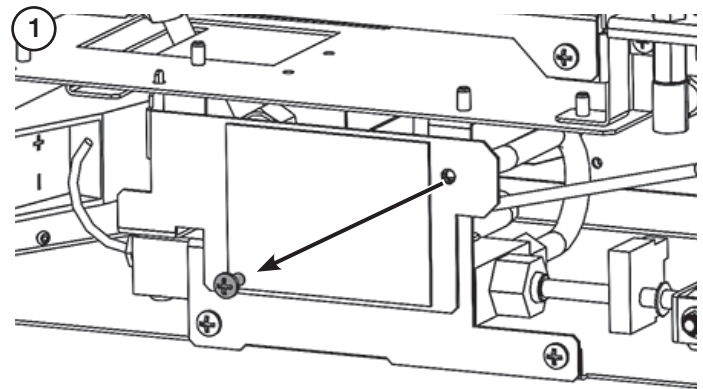
REMOTE CONTROL

The isolation elbow is highlighted below.

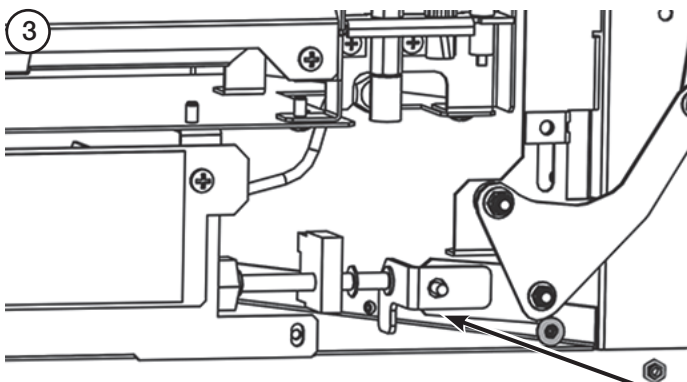
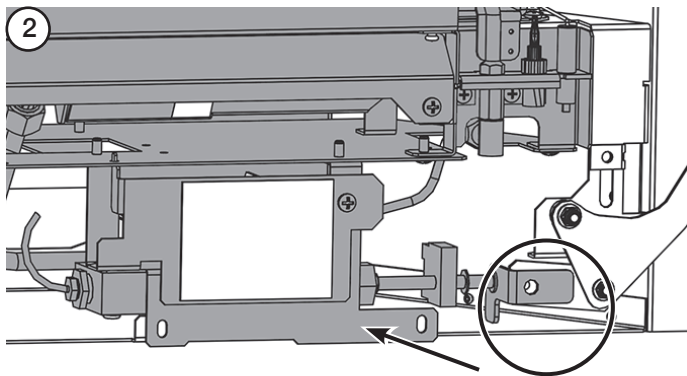
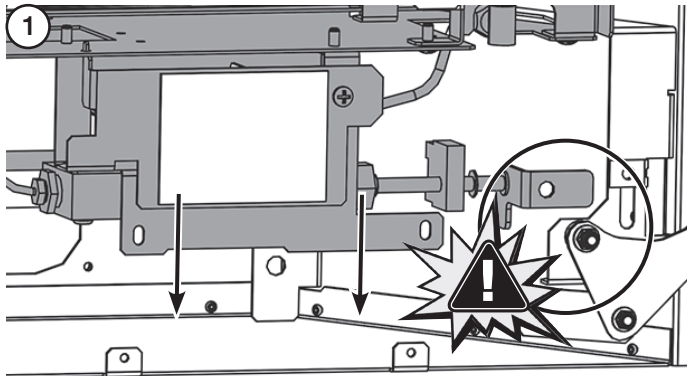


SLIDE CONTROL

The isolation elbow can be accessed behind the dataplate.



SLIDE CONTROL MODEL ONLY



See Page 46 for Replacing Slide Control.

ALL MODELS

Turn on the gas supply to the appliance and check for leaks. Light the appliance and check all joints on the appliance for leaks.

Remove the sealing screw from the inlet connection and connect a suitable manometer.

Light the appliance and turn to the maximum position, refer to the data badge and ensure that the running pressure is correct. If the pressure varies significantly from that on the data badge, this may indicate a supply problem and will require immediate attention.

Turn the appliance off, disconnect the manometer and replace the sealing screw. Relight the appliance and check the sealing screw for leaks.

COAL LAYOUT

ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS



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

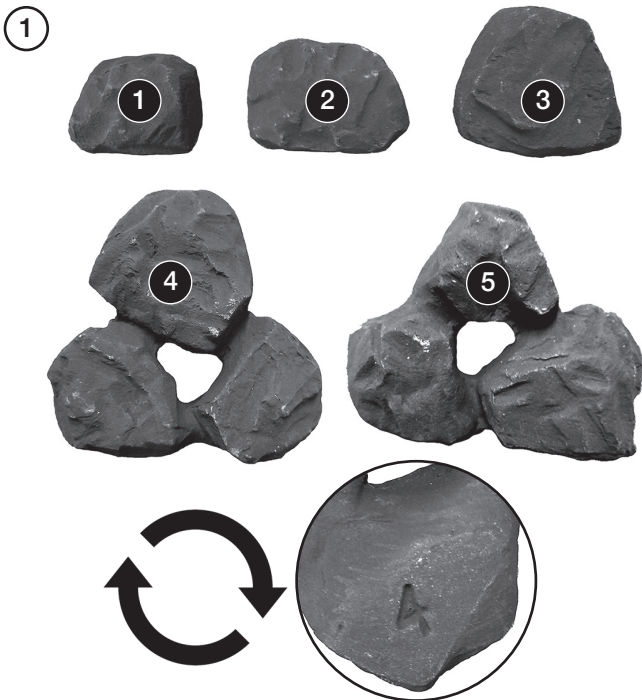
Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

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

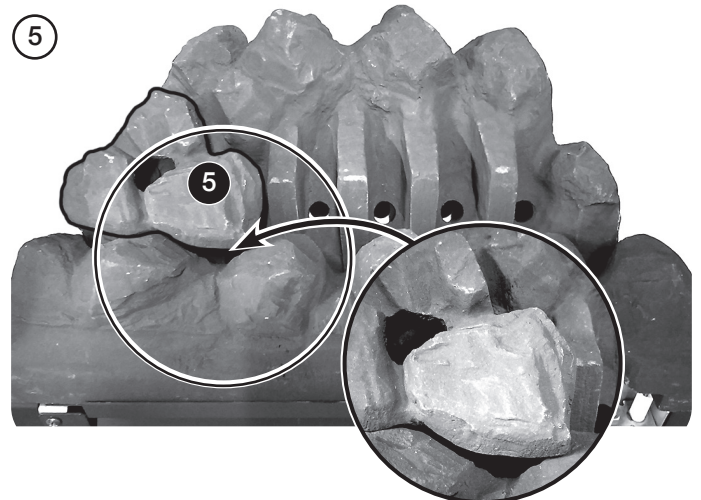
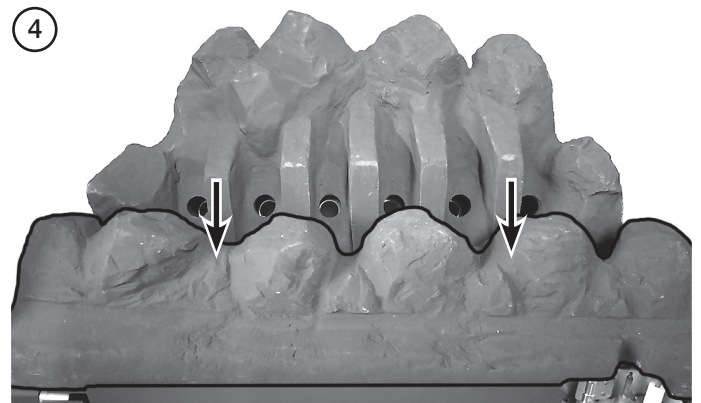
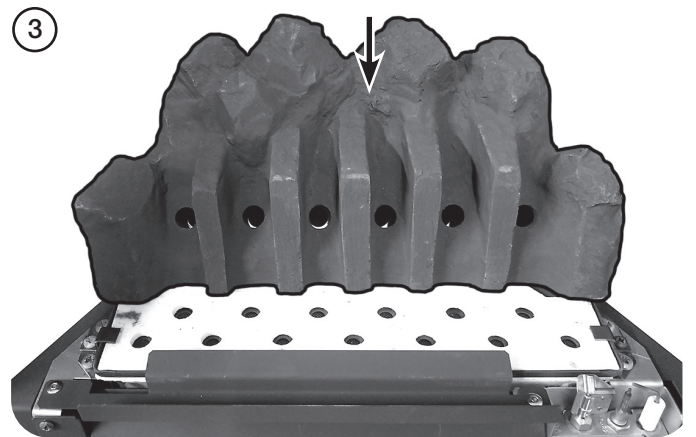
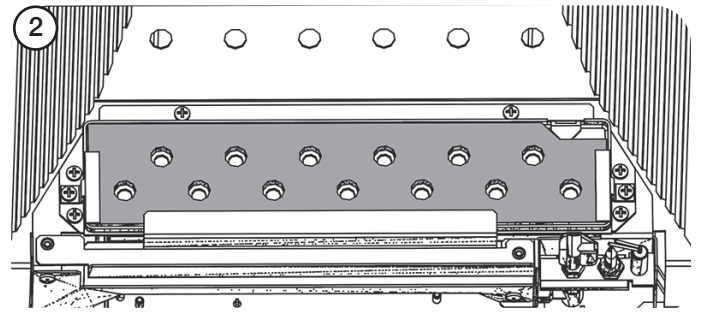
RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

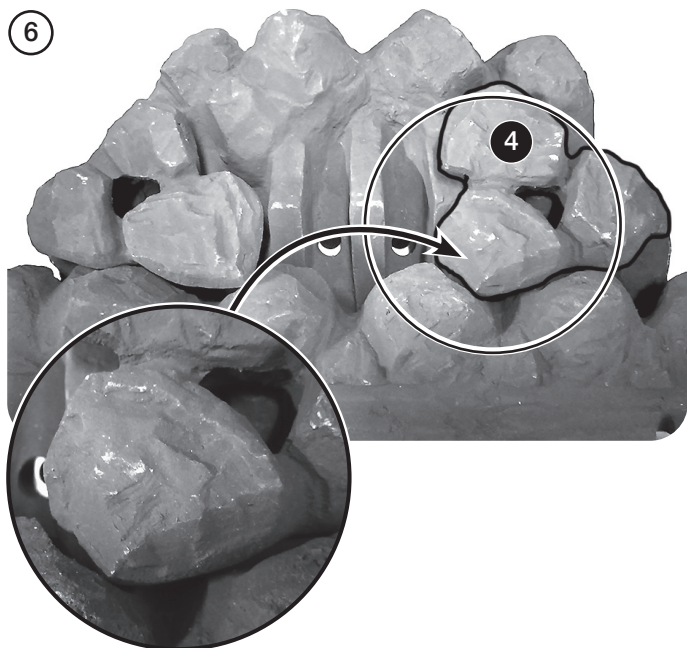
Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

ONLY USE THE CORRECT TYPE AND QUANTITY OF CERAMIC COMPONENTS. ALWAYS FOLLOW THE FUEL BED LAYOUT AS STATED IN THESE INSTRUCTIONS. NEVER CHANGE THE LAYOUT FROM THAT SHOWN HERE.



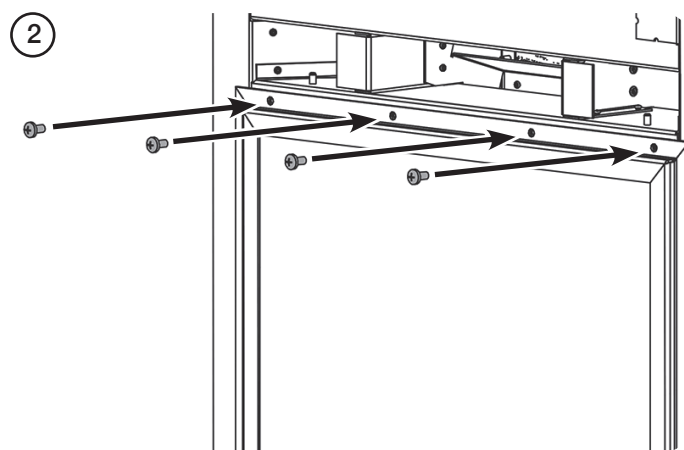
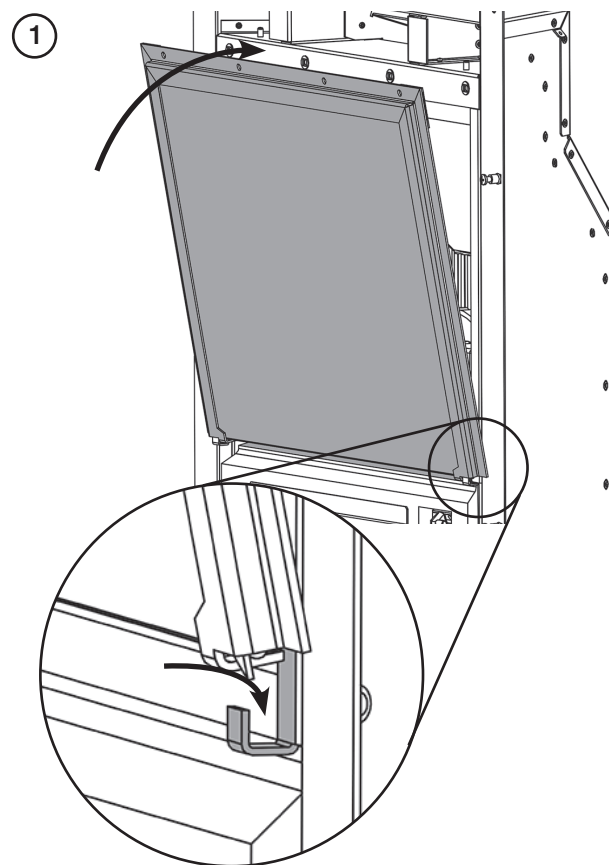
Ensure the burner cover gasket is positioned on the burner skin ensuring the holes align with the ports.





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

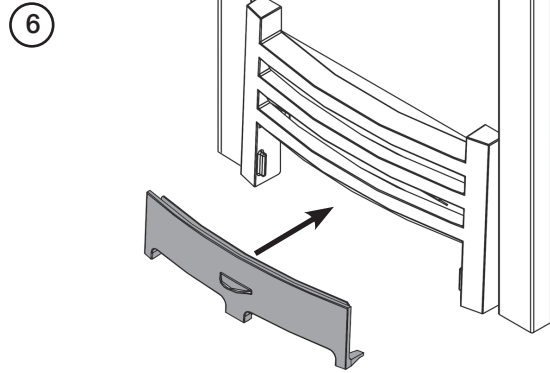
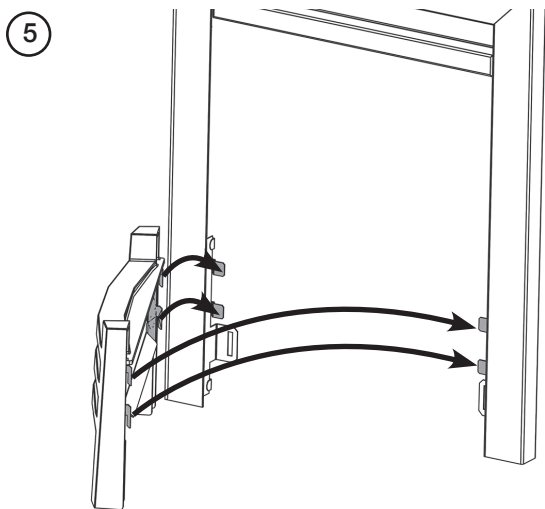
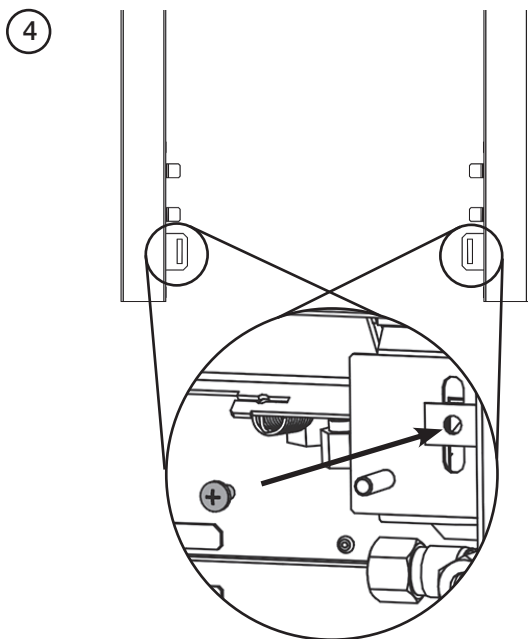
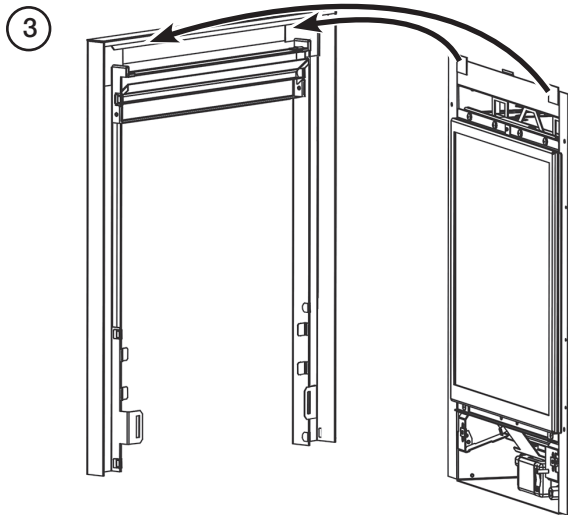
FITTING THE GLASS FRAME



NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED OR BROKEN.

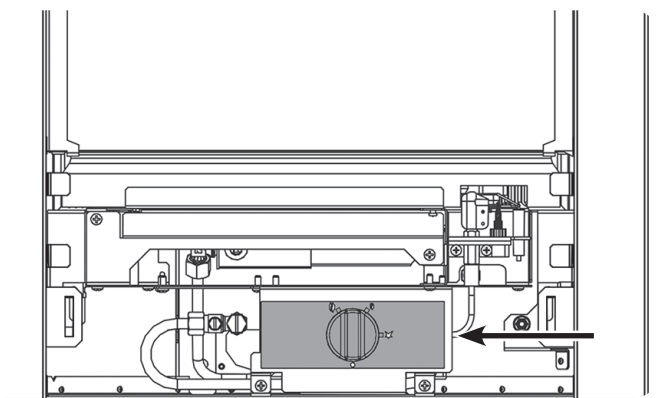


UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED IF ANY OF THE GLASS FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

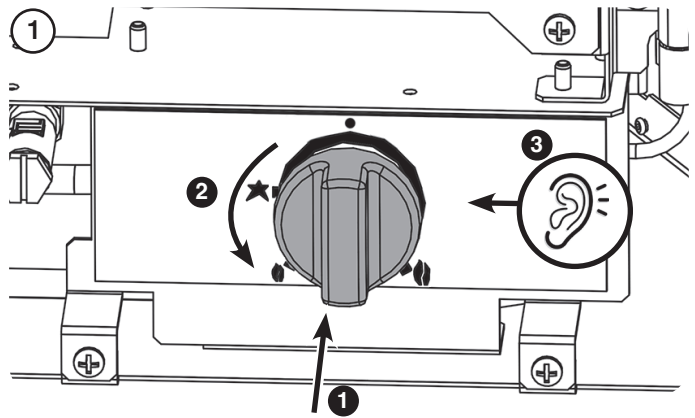


OPERATING THE APPLIANCE

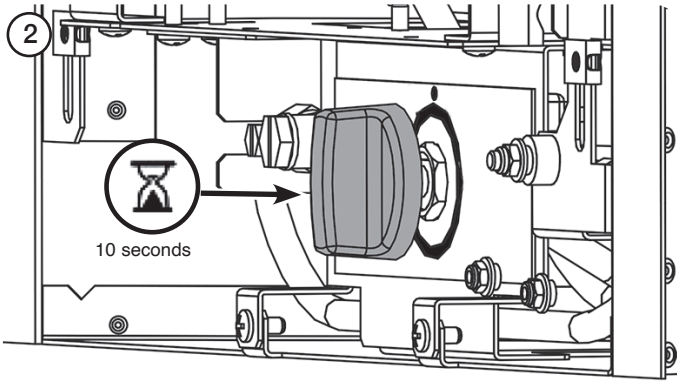
1. MANUAL CONTROL



LIGHTING THE PILOT

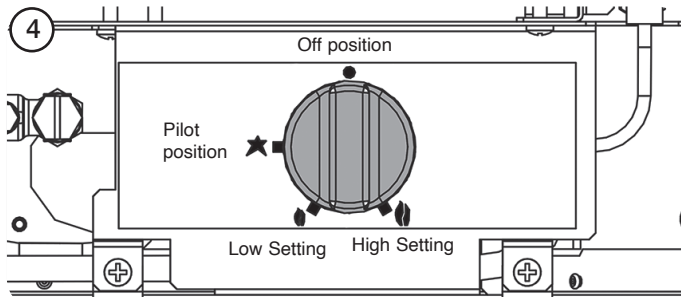
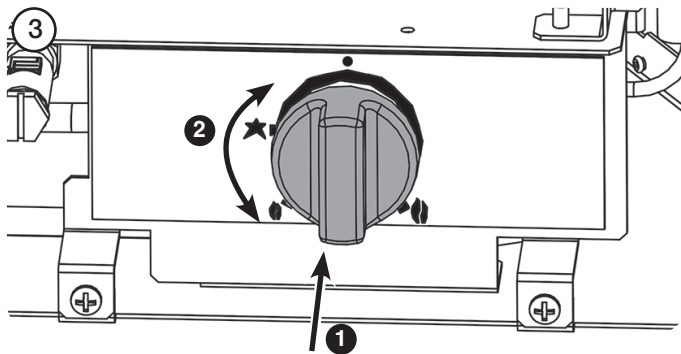


The pilot should now be lit.



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

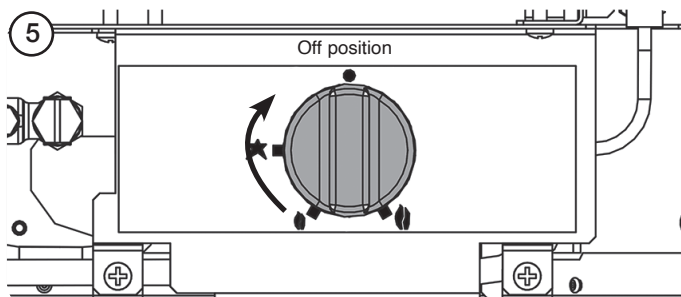
ADJUSTING THE FLAME HEIGHT



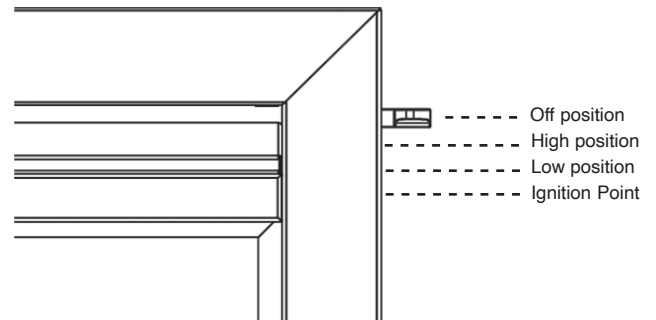
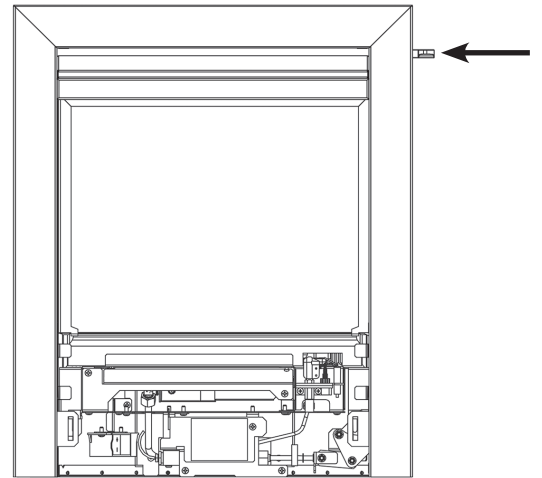
i **IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.**

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

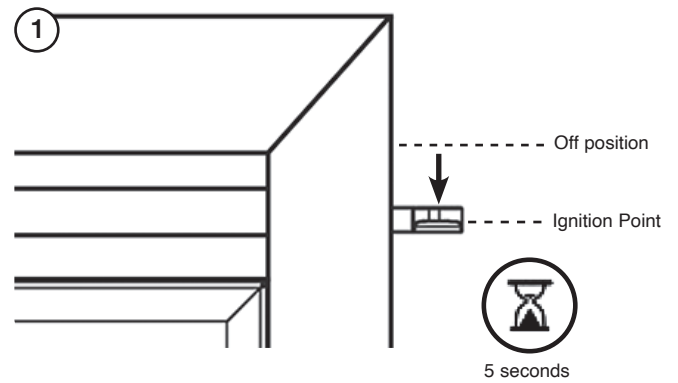
SWITCHING OFF THE APPLIANCE



2. SLIDE CONTROL

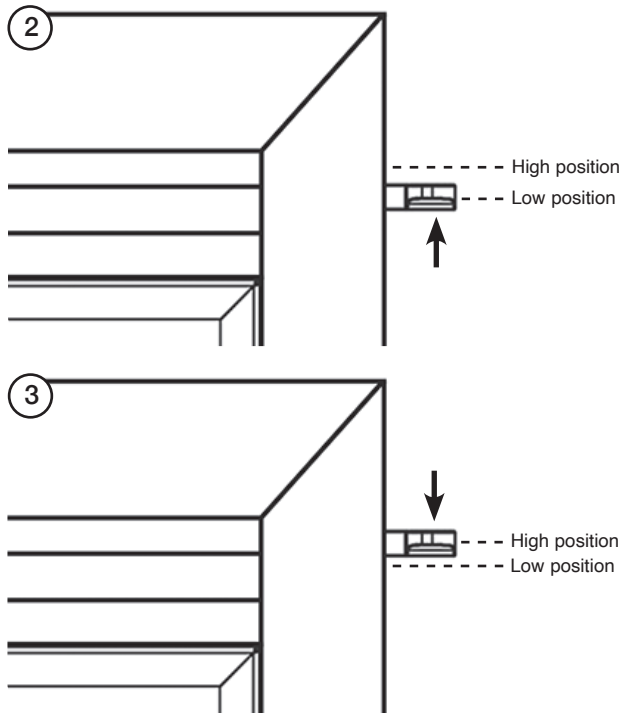


LIGHTING THE PILOT



The appliance should light on its lowest setting.
Repeat the above steps if the appliance does not light.

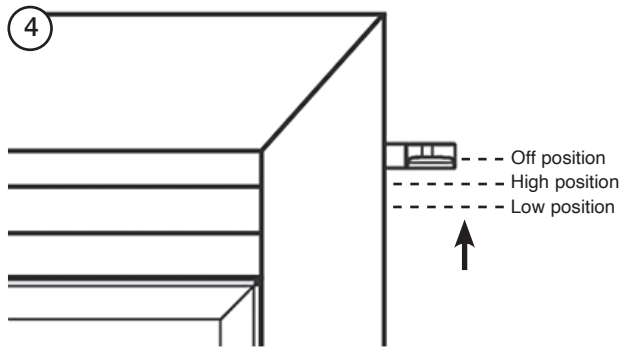
ADJUSTING THE FLAME HEIGHT



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

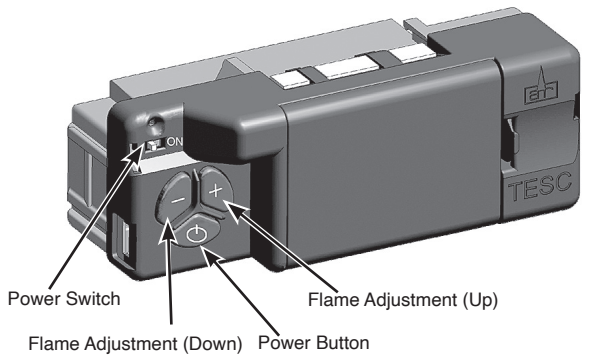
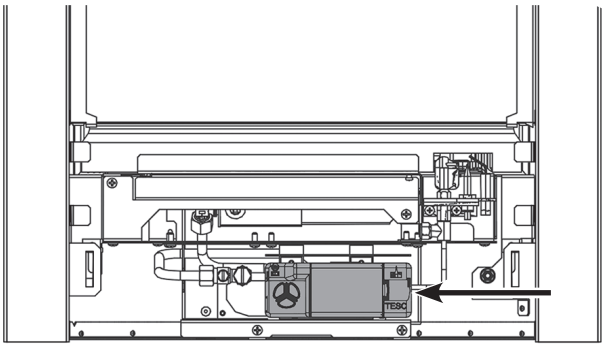
! WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

SWITCHING OFF THE APPLIANCE



3. REMOTE CONTROL

3A. CONTROL BOX



To operate the appliance the Power Switch on the Control Box must be switched ON (I).

i Note: The Power Switch does not need to be turned off each time the appliance is not in use. However, if the appliance is left unattended for long periods of time (e.g. vacation), it is recommended to place the Power Switch into the off position.

TURNING THE APPLIANCE ON

Press and hold the Power Button for 1 second and release. The burner will light approximately 2 to 3 seconds later.

Use + and - buttons to adjust the flame height between Minimum and Maximum.

TURNING THE APPLIANCE OFF

Press the power button to turn the appliance off.

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

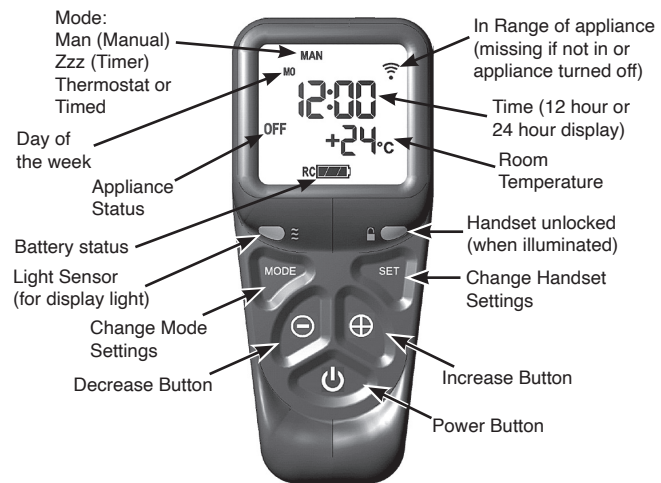
WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

THE APPLIANCE WILL TAKE 3 AUTOMATIC ATTEMPTS TO RESTART. DO NOT INTERRUPT THE VALVE DURING THIS PROCESS.

3B. REMOTE HANDSET

To operate the appliance the Power Switch on the Control Box must be switched ON (I) .

To activate the Remote Control it will be necessary to cradle the handset to unlock. The green light will illuminate to show the handset is ready to use. IMPORTANT: Continue to cradle the handset throughout an operation to keep it unlocked. If the green light goes off during an operation it will be necessary to reposition the handset so the light comes back on and restart the operation.



HANDSET INITIAL SET UP

Following initial set up or new pairing it will be necessary to set the time and date.

Note: Pressing SET button will advance the display to the next screen and pressing MODE button will return it to the previous setting.

SETTING THE TIME

Once the handset is paired the screen will show that the time is not yet set. The handset will then automatically progress to the next setup screen.



SETTING THE DISPLAY FOR 12 OR 24 HOUR CLOCK

Holding the remote to keep the green light on and the handset unlocked the handset will display an H:24.



24 denotes a 24 hour clock and 12 denotes a 12 hour clock.

Press the + or - button on the handset to toggle between the two settings. Press the SET button to confirm and progress to setting the day of the week.

SETTING THE DAY OF THE WEEK

Press and release the + and - buttons until the correct day of the week is shown on the display.



Mo = Monday, **Tu** = Tuesday, **We** = Wednesday, **Th** = Thursday, **Fr** = Friday, **Sa** = Saturday and **Su** = Sunday.
Press SET to confirm the day of the week and progress to setting the time.

SETTING THE HOUR

Press and release the + or - button to change the hour to the correct hour. Press SET to confirm and progress to setting the minute.



SETTING THE MINUTES

Repeat the process to change the minutes.

SETTING THE TEMPERATURE DISPLAY (CELSIUS OR FAHRENHEIT)

Press and release the + or - button to toggle between C and F. When the display shows the desired symbol, press and release the SET button to store.



Place the handset down and wait until the home screen is displayed and the unlock light goes off.

! ALL THE NECESSARY SETTINGS REQUIRED HAVE NOW BEEN COMPLETED. ANY FURTHER FUNCTIONS ON THIS HANDSET ARE FOR FACTORY SETTING AND NOT TO BE USED.

The Handset is now ready to operate the appliance.

OPERATING THE APPLIANCE

TURNING THE APPLIANCE ON

Press the Power Button until Pilot flashes on the display. Release the Power Button and the Flame symbol will appear on the display.

If the button is held the command will be cancelled for safety reasons.

Holding the handset to unlock, use + and - buttons to adjust the flame height between Minimum and Maximum.

TURNING THE APPLIANCE OFF

Holding the handset to unlock, press the power button to turn the appliance off.



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

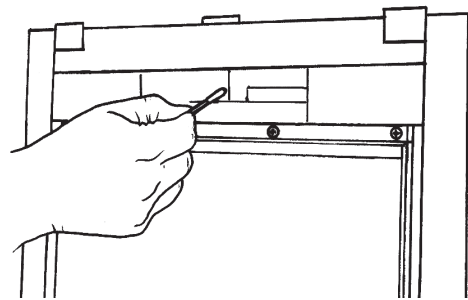


WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

THE APPLIANCE WILL TAKE 3 AUTOMATIC ATTEMPTS TO RESTART. DO NOT INTERRUPT THE VALVE DURING THIS PROCESS.

COMMISSIONING

Close all windows and doors to the room, check all controls, and allow appliance to burn on maximum for 5 minutes. Test for spillage of flue products using a smoke match. Pass the lighted smoke match along the top front of the draught diverter, just inside,.



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

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

- Thermocouple soundness checks. This is to include ensuring the thermocouple is secure on the pilot bracket assembly, lead connection and integrity.
- Flue checks
- Gas checks
- Fuel effect layout - flame picture

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

- a) Regular servicing.
- b) Ventilation - point out the ventilation positions where applicable.
- c) Hot surfaces.

If there are any extractor fans in the room or adjacent rooms, the test must be repeated with the fans running on maximum.

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

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


**PAIRING THE APPLIANCE
- REMOTE CONTROL VERSION ONLY**

It may be necessary to pair the handset to the appliance following servicing.


Ensure the Power switch on the Control Box is in the ON (I) position.

Cradle the handset to unlock. The green light must be illuminated for the handset to accept commands.

Simultaneously press and hold the - and + buttons on the Control Box, until the red light appears on the Control Box.



WARNING: IF THE + AND - BUTTONS ARE DEPRESSED FOR 20 SECONDS OR MORE THE LIGHT WILL EMIT A SLOW STEADY PULSE. FURTHER ACTIONS WILL REMOVE ANY HANDSET PAIRING.

Release the - and + buttons and within 1 second press the  Power Button on the Control Box.

The handset emits a short beep, the green light on the handset flashes and the following icon is displayed.



With the display showing the icon press and hold the SET button to pair the handset to the appliance.

Following new pairing it will be necessary to set the time and date, see Installation Instructions.

If too much time passes without the SET command the display will show the following.



The handset has not paired and the process will need to be started again.

RESETTING THE REMOTE TO FACTORY SETTINGS

It may be necessary to reset the remote to factory settings to pair to a new control valve.

Cradle the handset to unlock. The green light must be illuminated for the handset to accept commands.

Press and hold SET until the handset beeps.

Release the SET button, PROG will be shown in the top left corner.

Press and release the MODE button until the word SETUP is flashing in the top right corner.

Press and release SET to enter the SETUP menu.

Press and release the SET button around 9 times until you see CA0 on the display screen.

Press then release the + (or -) button to change the display to CA1.

Press and release the SET button again.

The handset will display the following when it is ready to pair with a new control valve:



SERVICING REQUIREMENTS/ FAULT FINDING CHARTS



IMPORTANT – Check the glass panel on this appliance for any signs of damage on 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.
DO NOT USE the appliance if any damage is observed.
 Isolate the appliance until a replacement has been obtained and installed. Purchase replacement glass panels 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.

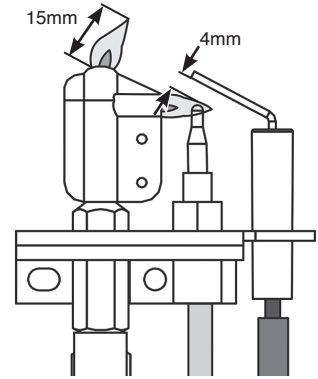
All tests must be carried out in accordance with the current Gas Safe recommendations.

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.

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.
- Ensure that the glass frame is secured correctly and that all retaining screws are in place.

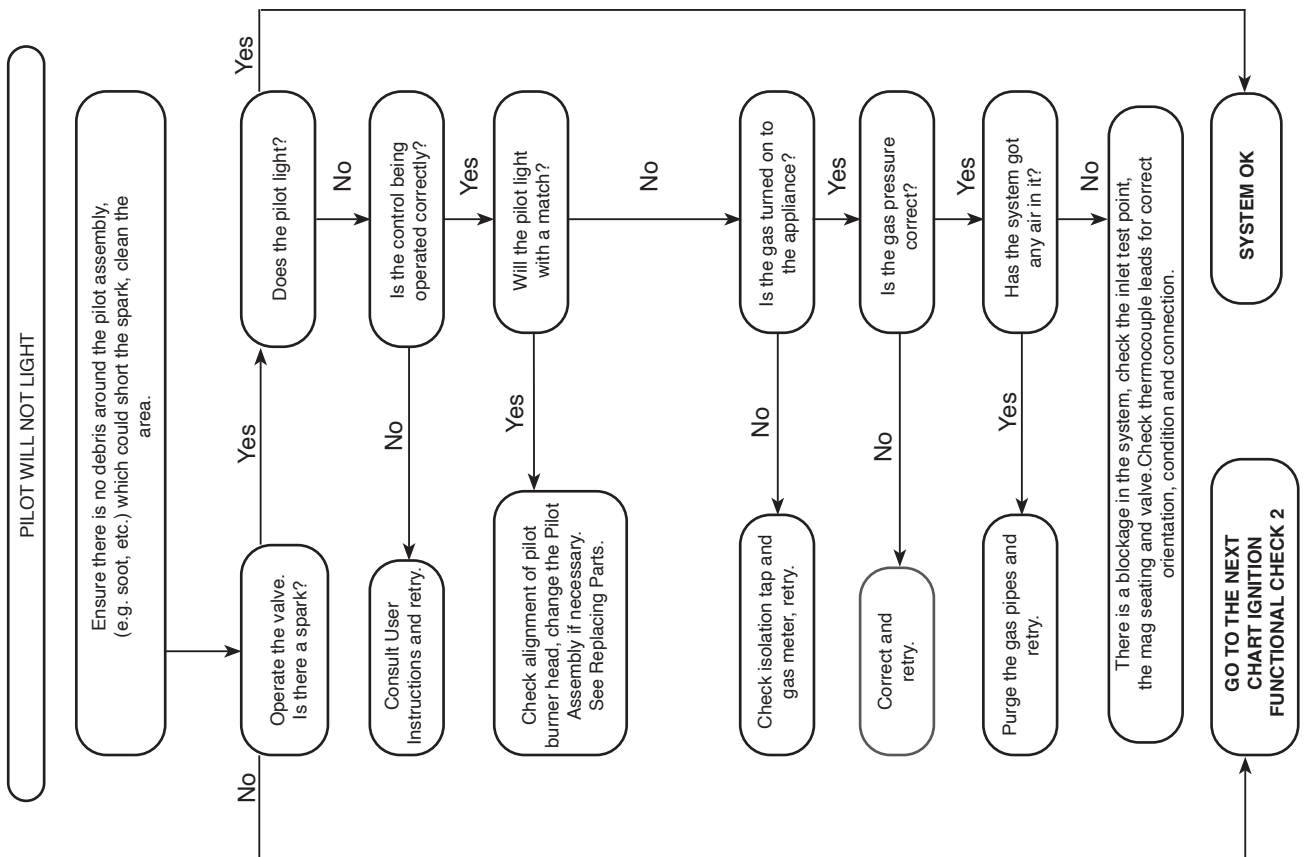


Correct any faults found during the initial test.

Re-commission the appliance in accordance with Commissioning Procedures.

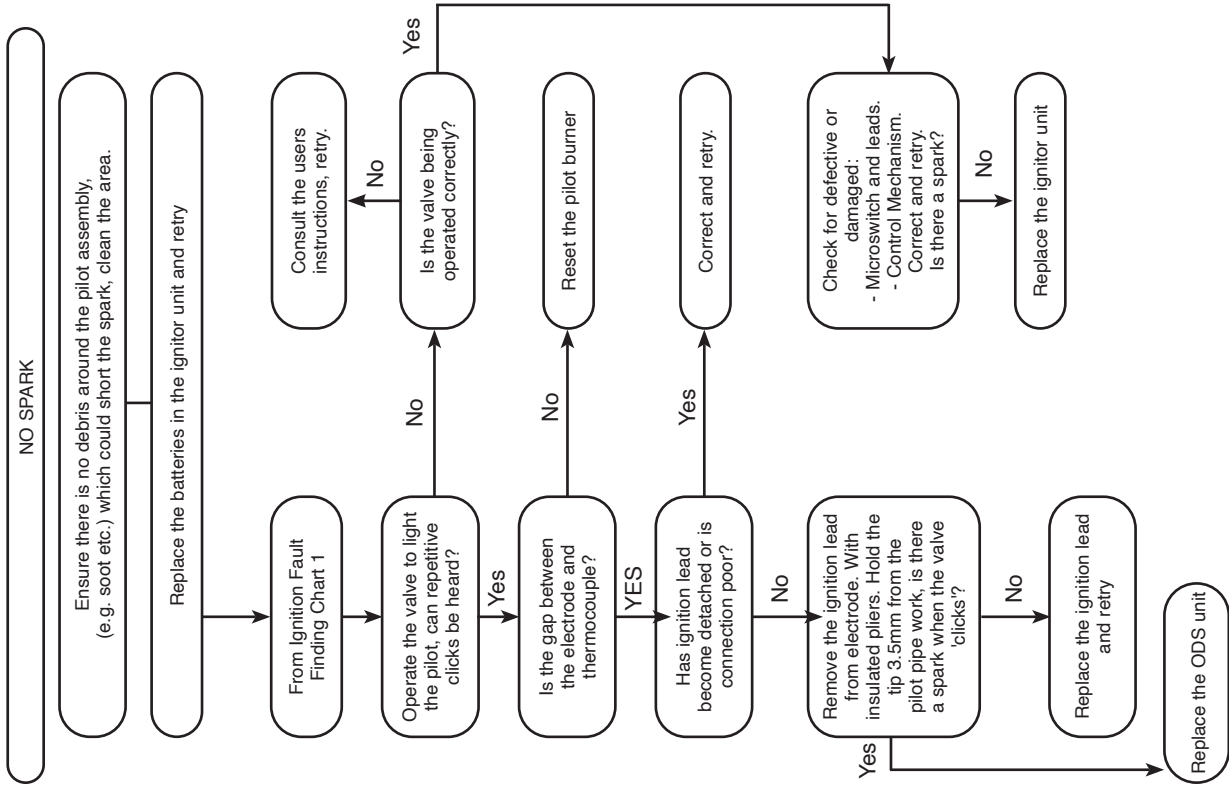
Advise the customer of any remedial work undertaken.

IGNITION FUNCTIONAL CHECK 1

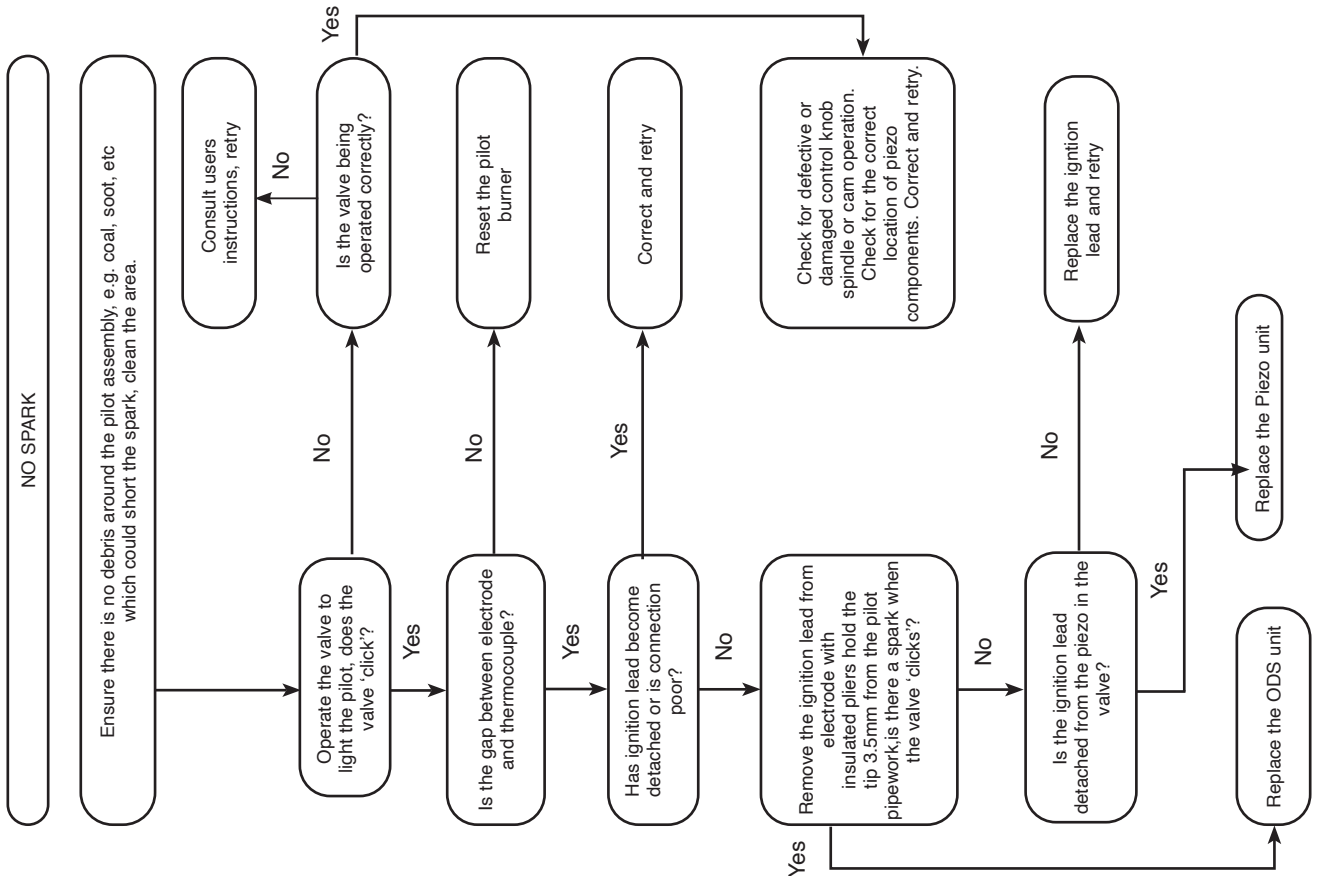


FAULT FINDING CHARTS

IGNITION FUNCTIONAL CHECK 2B
SLIDE CONTROL

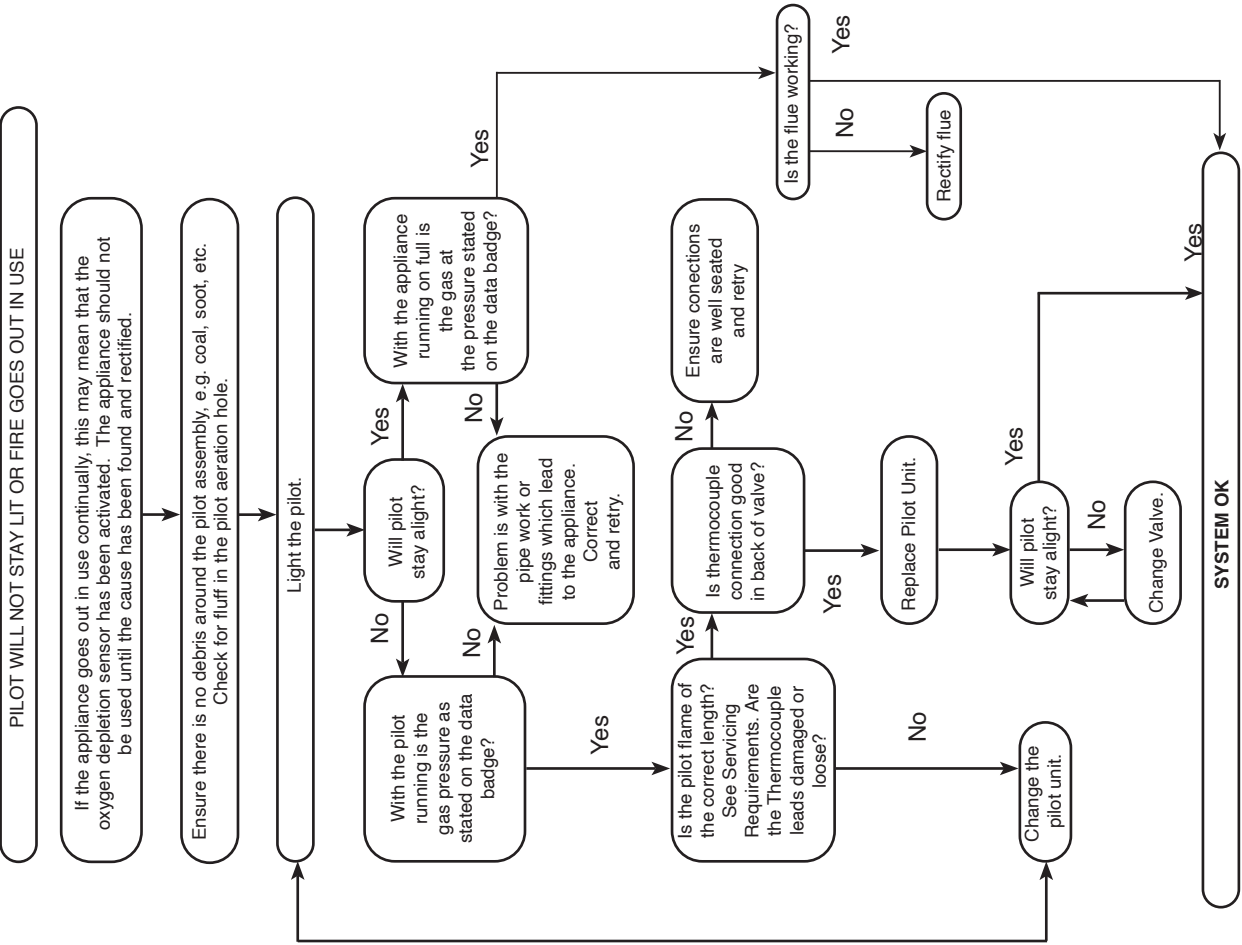


IGNITION FUNCTIONAL CHECK 2A - MANUAL

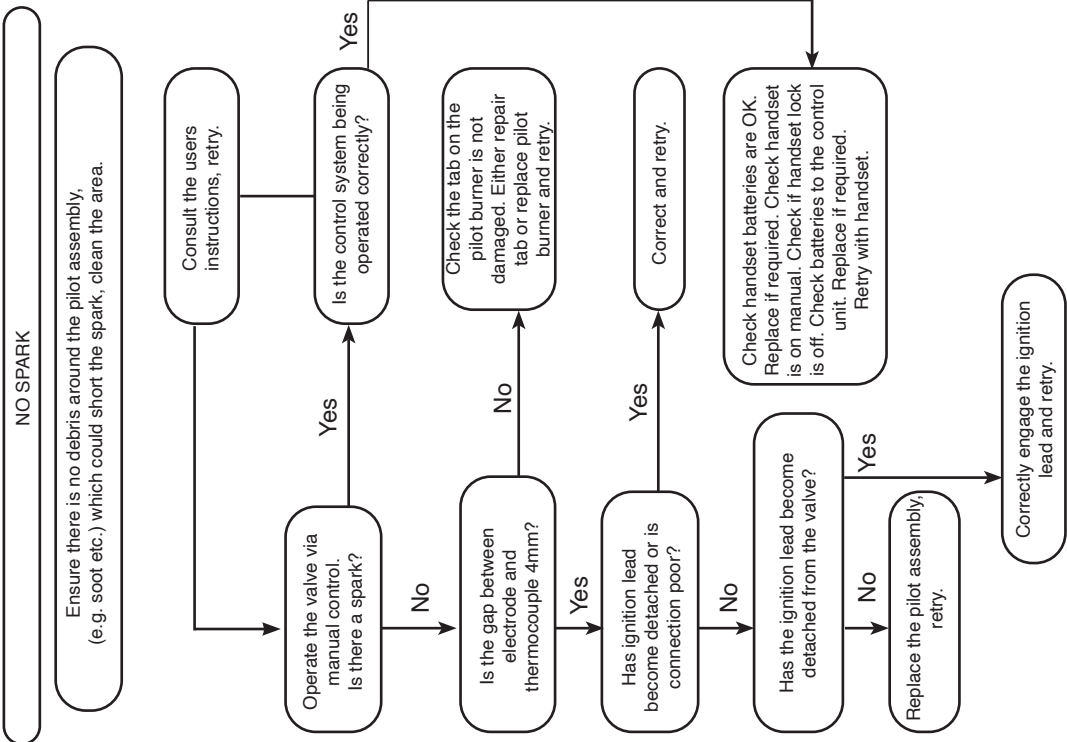


FAULT FINDING CHARTS

FLAME FAILURE FUNCTIONAL CHECK 3



IGNITION FUNCTIONAL CHECK 2B - REMOTE



ELECTRONIC CONTROL VALVE FAULT ANALYSIS - REMOTE CONTROL VERSION

RED INDICATOR	MEANING
Permanently Lit	Valve tried to light but failed and in LOCKOUT E00
Flashing very fast	Valve is busy (will not accept any command)
Flashing once a second	Valve detects an error
Flashing once every 10 seconds	Indication of low battery power in valve
Flashing twice every 10 seconds (handset only)	Indication of low battery power in handset and valve
Permanently off	Valve in standby or in a stable operation
On momentarily after power up	Valve doing a self test
Appears after pressing start	Indicates time to release pressing the start button

If the valve indicates an error:

Allow the appliance to cool (if hot).

Check the battery status and replace with new if in any doubt.

Reset the error by first pressing the power button (with the appliance cool).

Press once again to start the fire.

If the error repeats refer to the error code table below.

ERROR CODE	MEANING
E00	Valve Locked due to failed ignition.
E01	Indicates that possibly the content of CO is too high in ambient atmosphere.
E02	Ambient temperature around Gas valve in the fire too hot (exceeded 72°C).
E03	Thermocouple connection to valve issue. Incorrect reading from thermocouple.
E04	Flame detected on pilot after valve has shutdown.
E05	Flame detected on pilot before valve has started.
E06 & 07	Occurs when supply voltage is too low to operate the valve.
E24	Occurs when thermocouple does not reach its final temperature within 1 minute.

SERVICING

As part of the annual service, the space behind the firebox must be inspected for any debris, which may have fallen down the chimney.

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

SERVICING AND SUPPORT



Servicing and Support

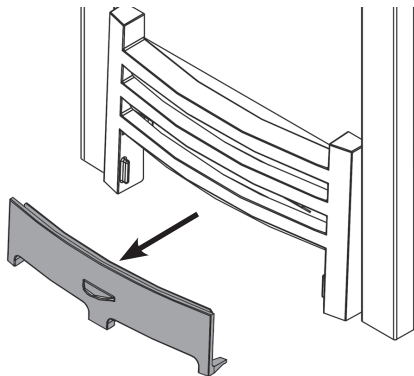
To keep your appliance looking and performing at its best, it must be serviced annually. This service must be undertaken by a suitably qualified individual and your retailer can organise this for you. Alternatively, Gazco offer a manufacturers premium service with our friendly team of qualified engineers which can be booked at www.gazco.com/support

REMOVING THE GLASS DOOR

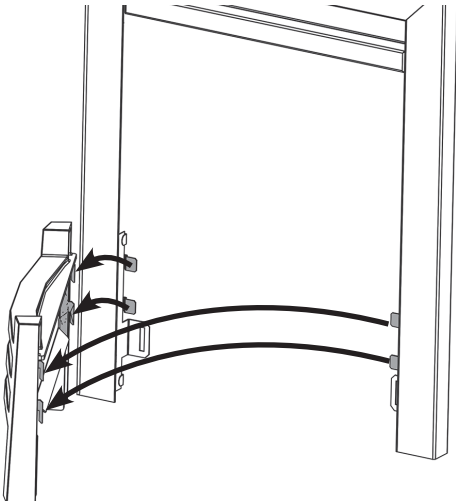


MAKE SURE THE APPLIANCE AND SURROUNDS ARE COOL BEFORE TRYING TO CLEAN.

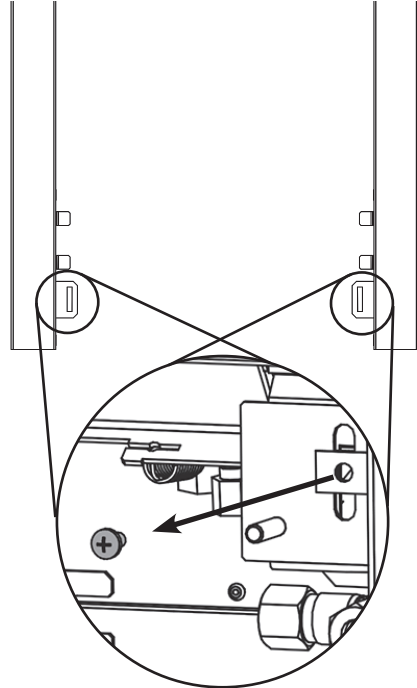
1



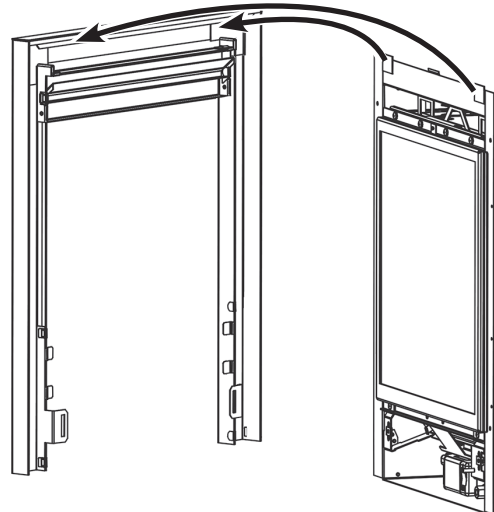
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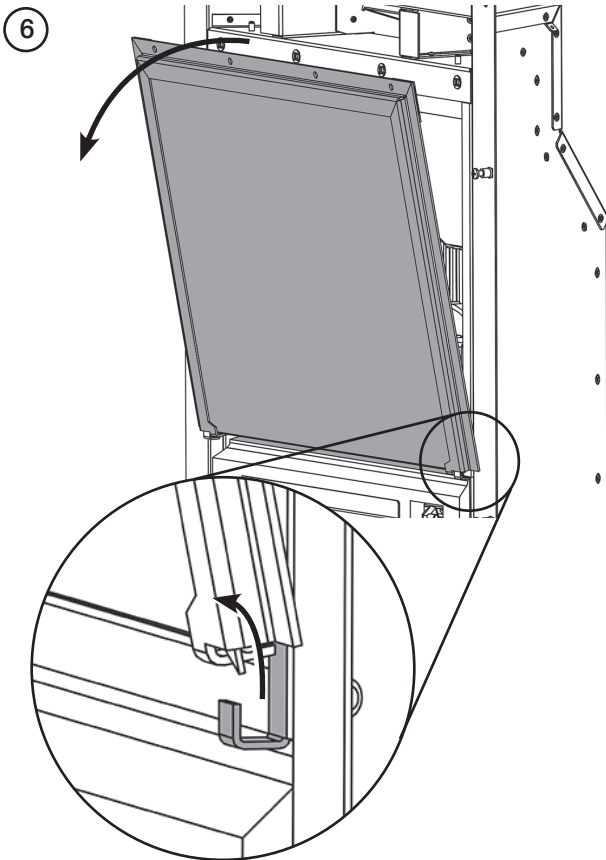
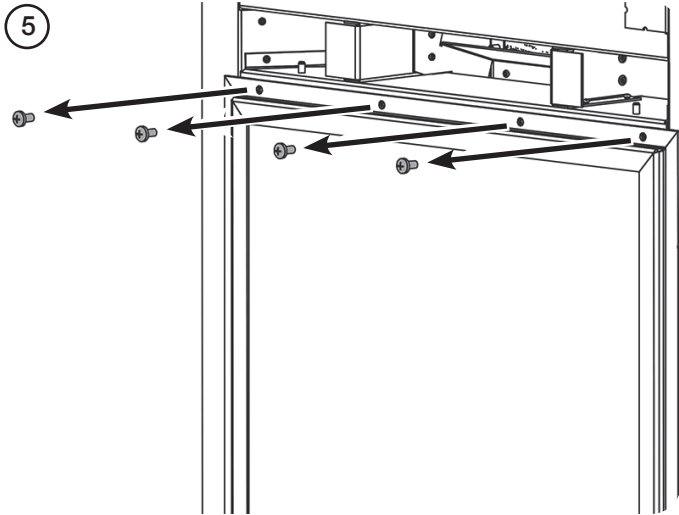


3



4





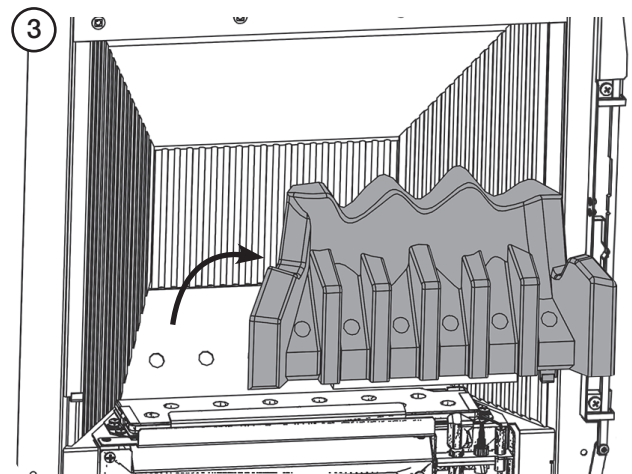
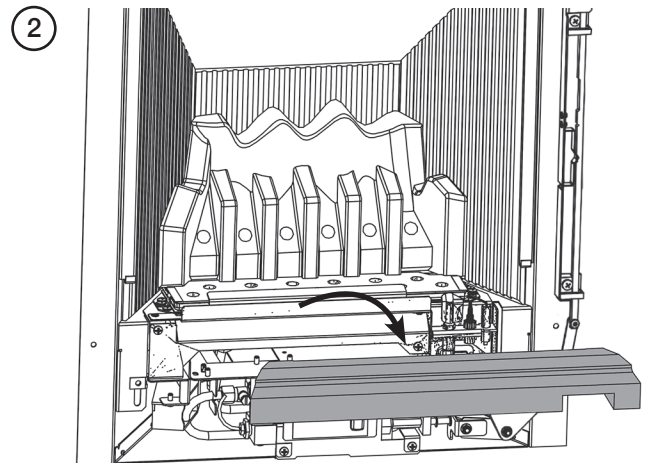
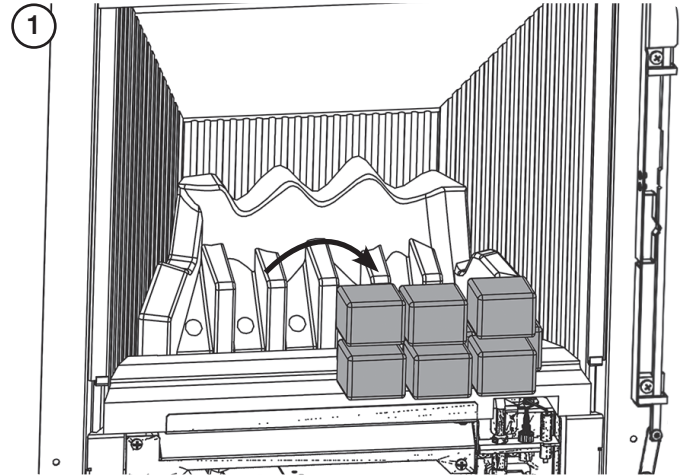
Replace ALL of the glass frame securing screws ensuring that a screw is present in all fixing slots.

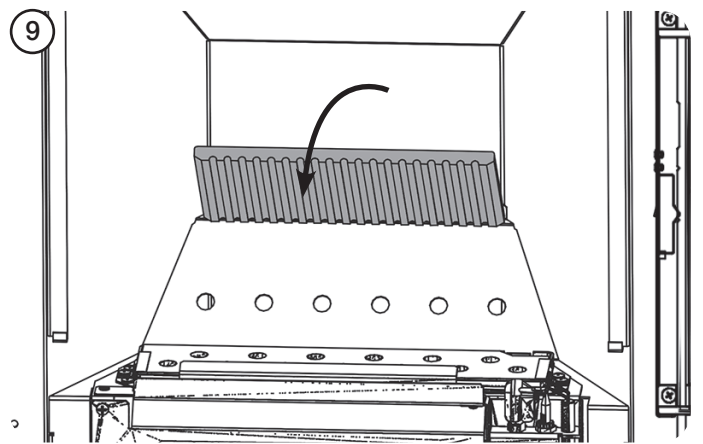
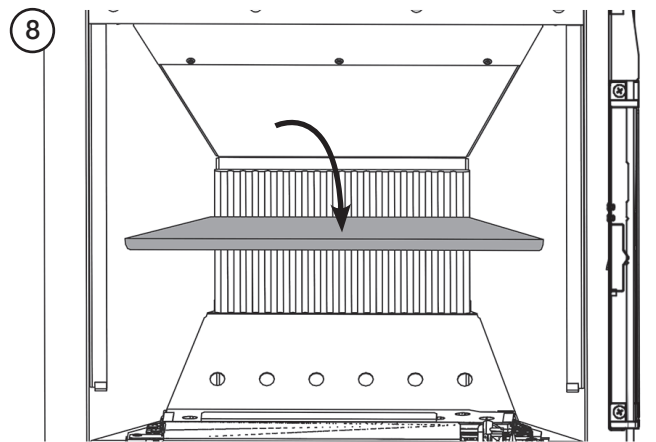
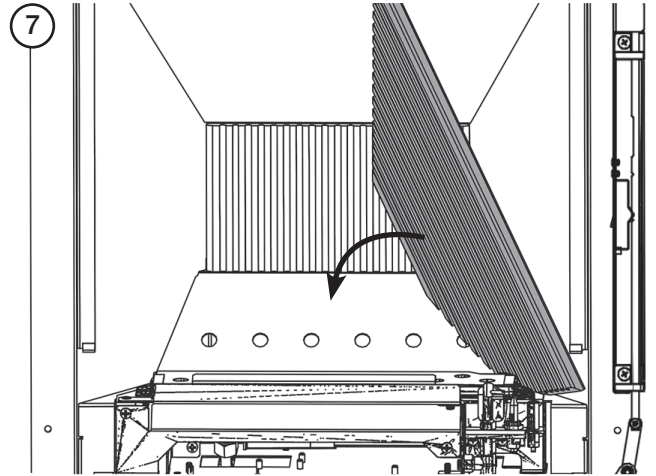
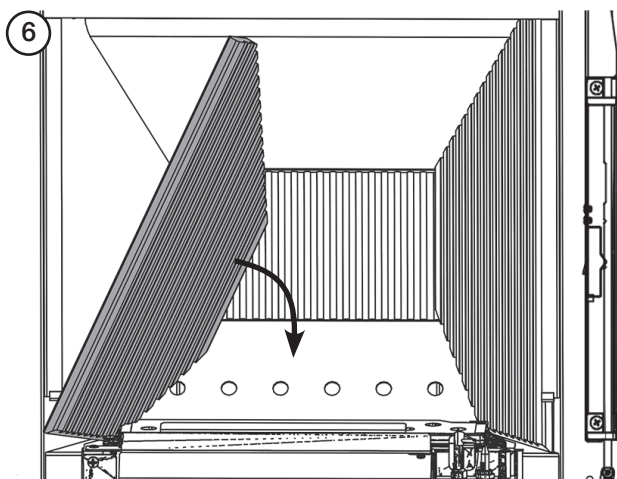
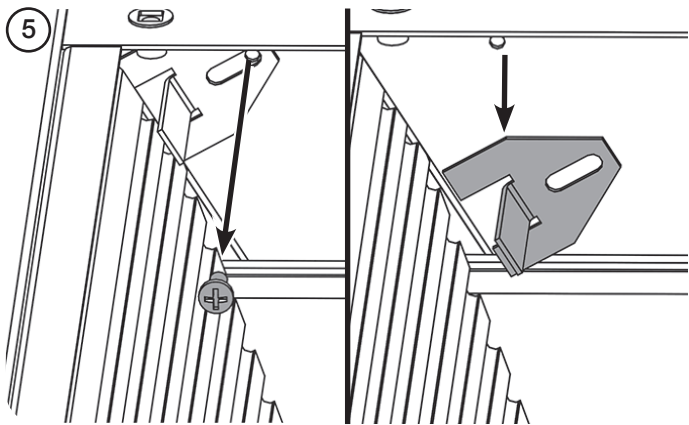
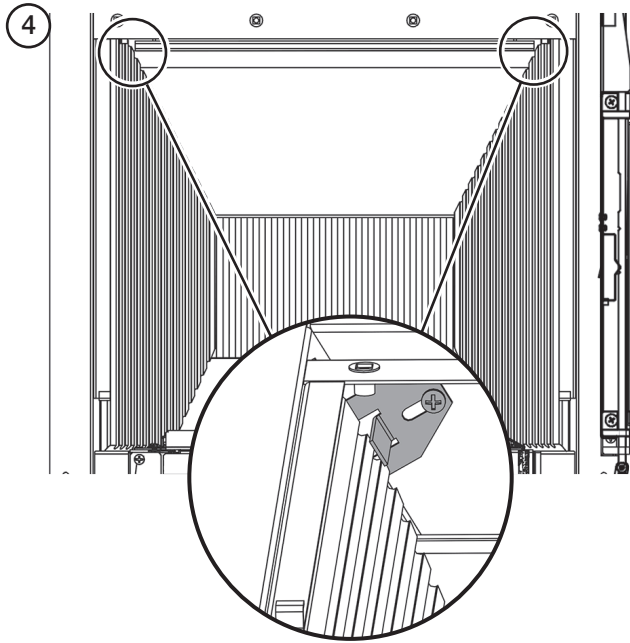
NEVER OPERATE THE APPLIANCE WHEN THE DOOR IS REMOVED, OR THE GLASS IS BROKEN.



UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED IF ANY OF THE GLASS FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

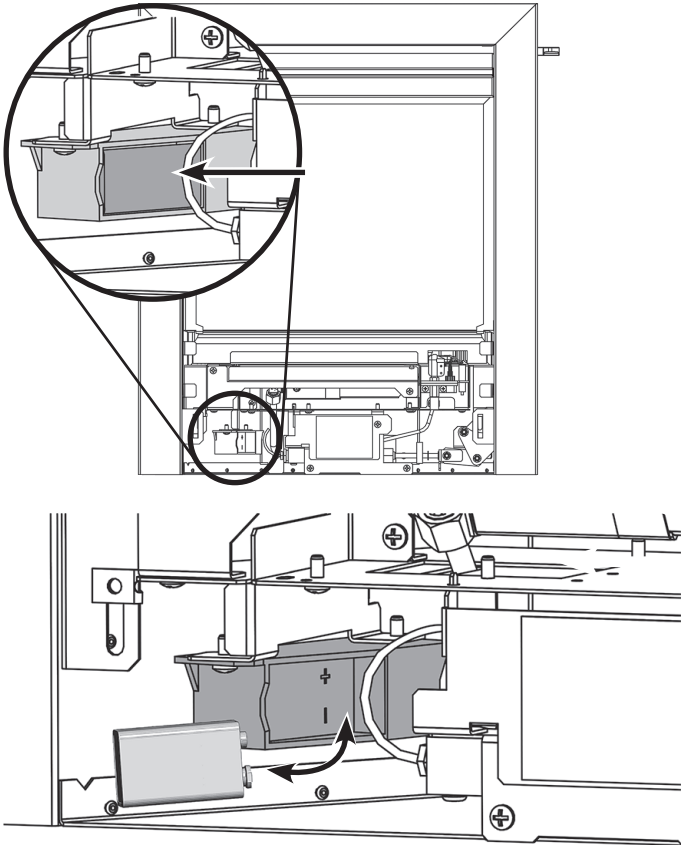
LINERS





APPLIANCE BATTERY

1. SLIDE CONTROL



Remove the old battery and replace with a new high quality (Duracell or similar) 9V battery.

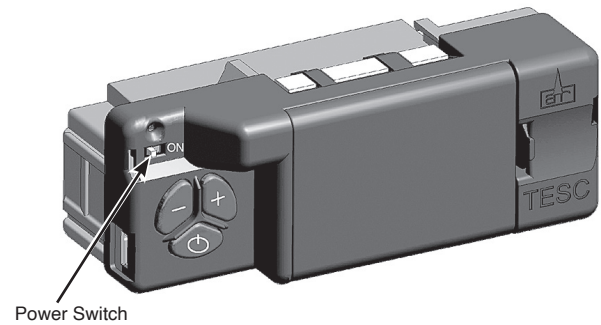
i It is essential to use high quality batteries (Duracell or equivalent) when replacing batteries.

2. REMOTE CONTROL

It is not necessary to remove the appliance battery to service the appliance, however the Power Switch on the Control Box must be switched to the OFF (o) position.

The Power Switch is located on the Control Box at the bottom of the appliance behind the vanity cover.

Slide the Power Switch on the Control Box to the OFF (o) position before servicing the appliance.



REMOVING THE BURNER ASSEMBLY

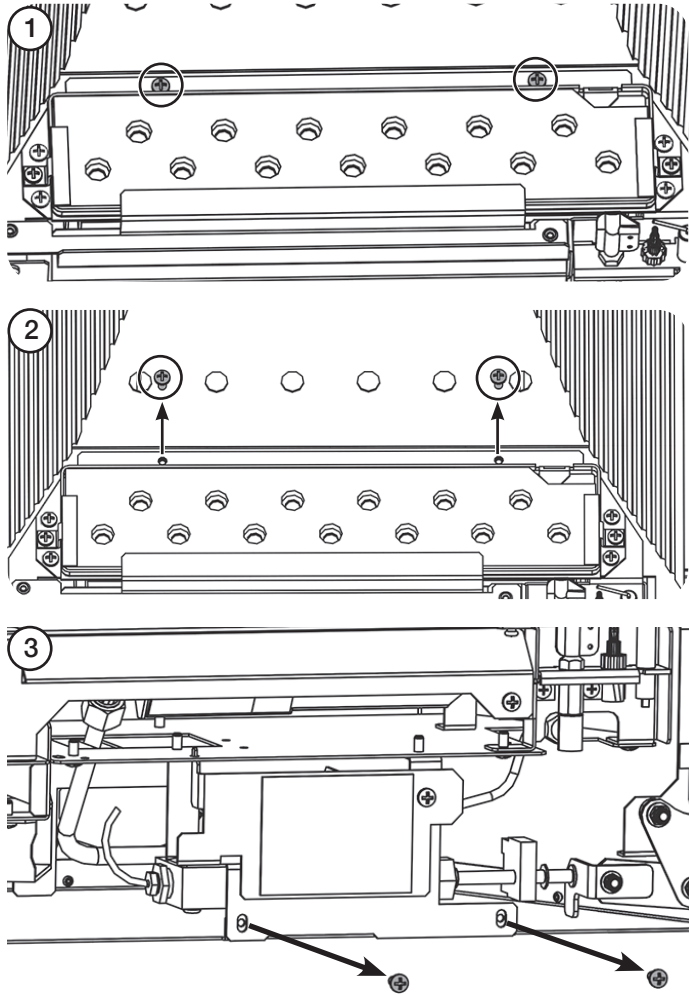
ALL MODELS

Remove the loose coals, and place on a dry, clean surface.

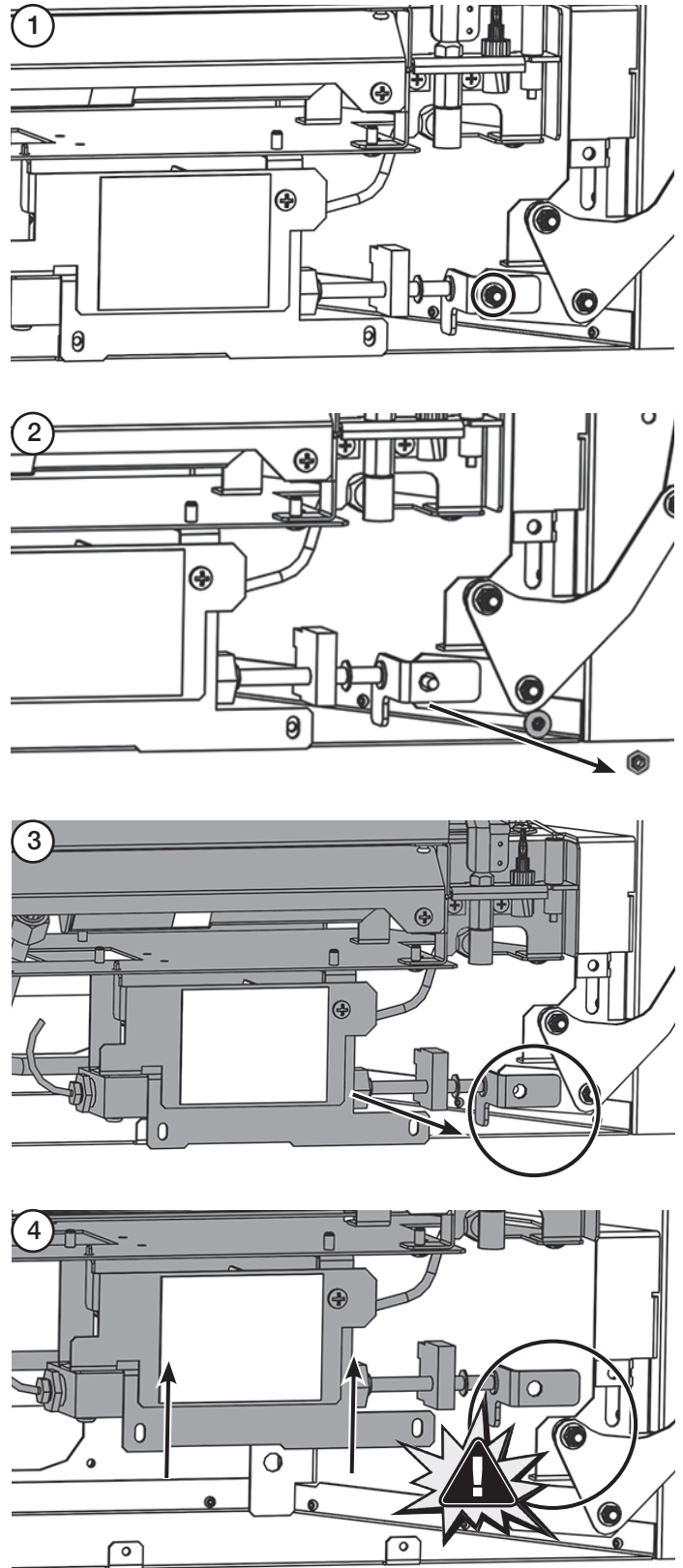
Remove the front coal and the flame baffle. All these items are very fragile and need to be stored carefully.

SLIDE CONTROL ONLY

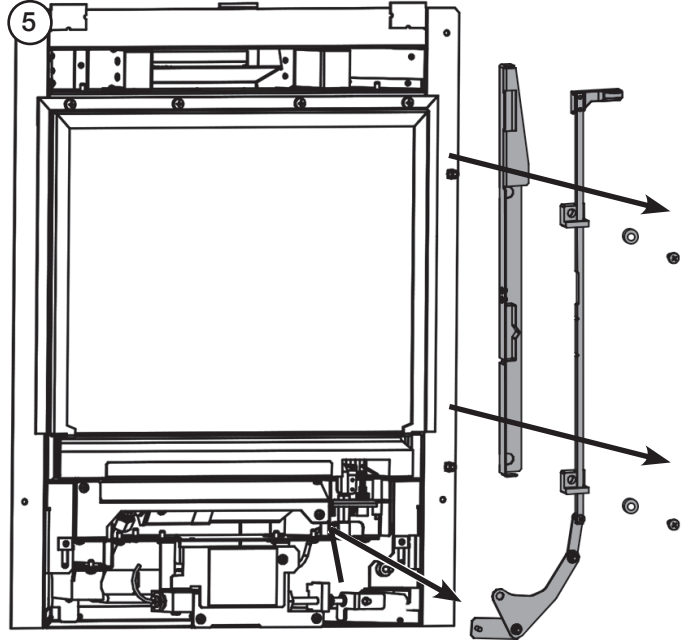
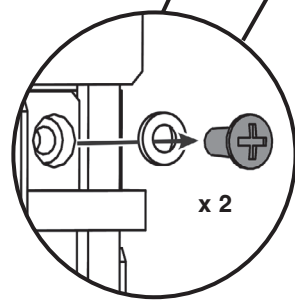
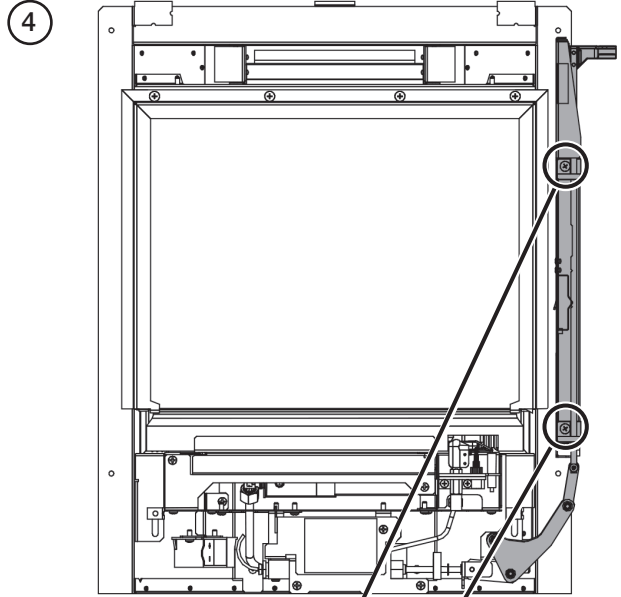
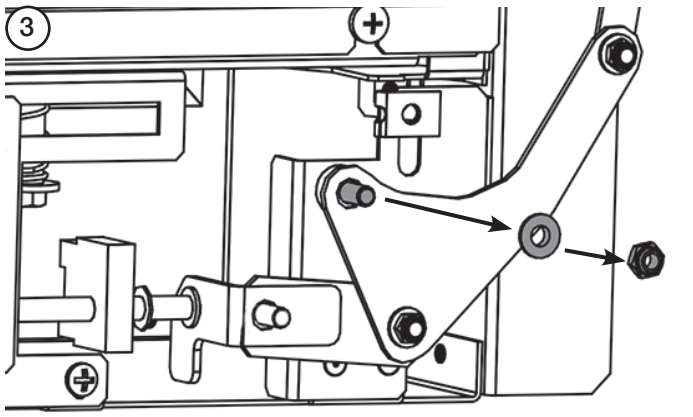
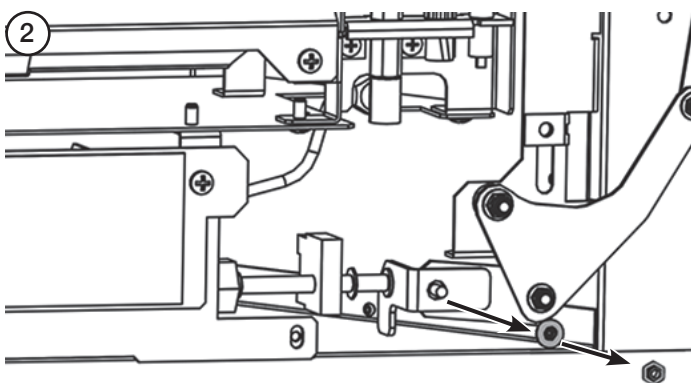
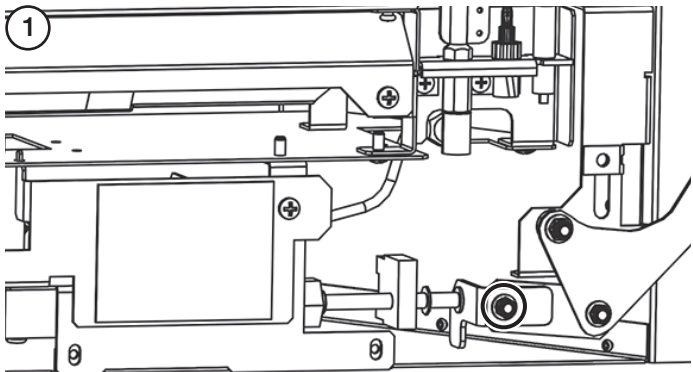
Remove the battery before carrying out work on this appliance.



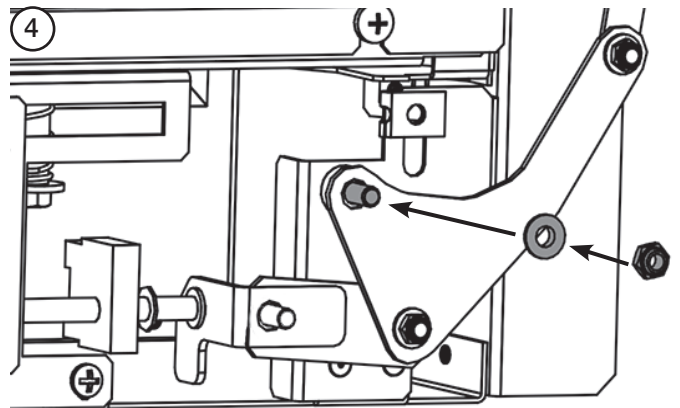
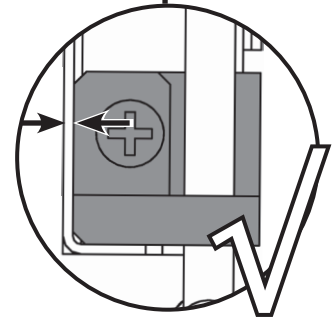
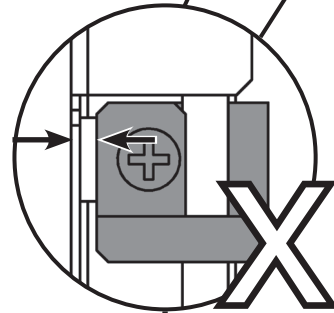
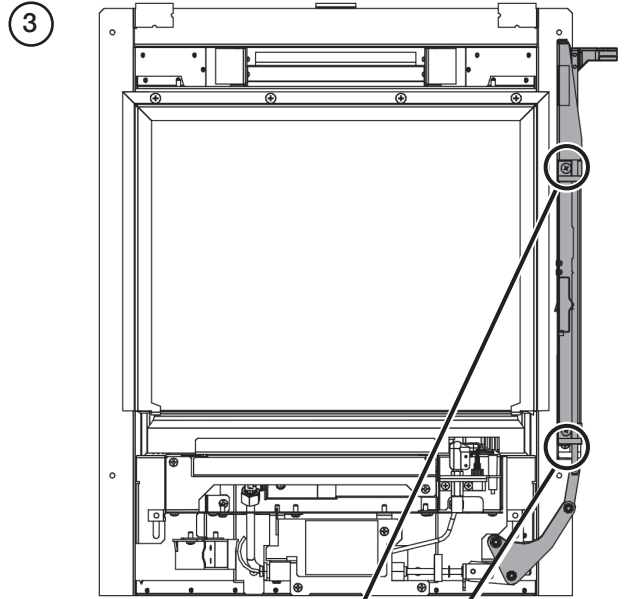
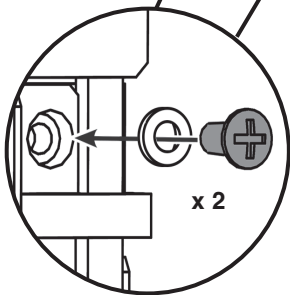
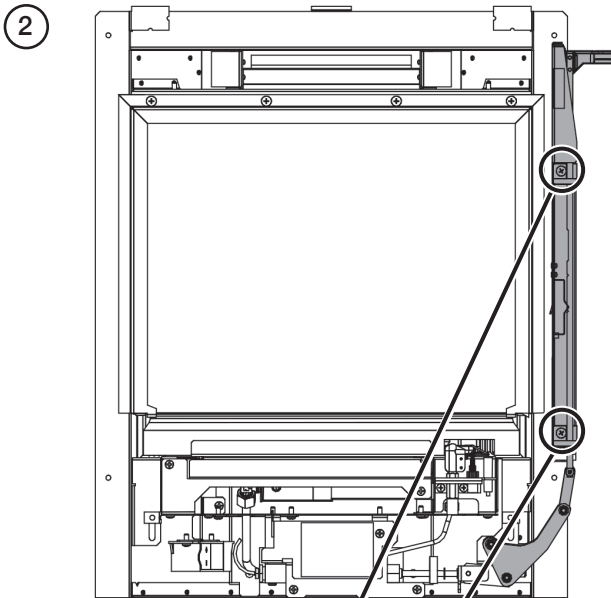
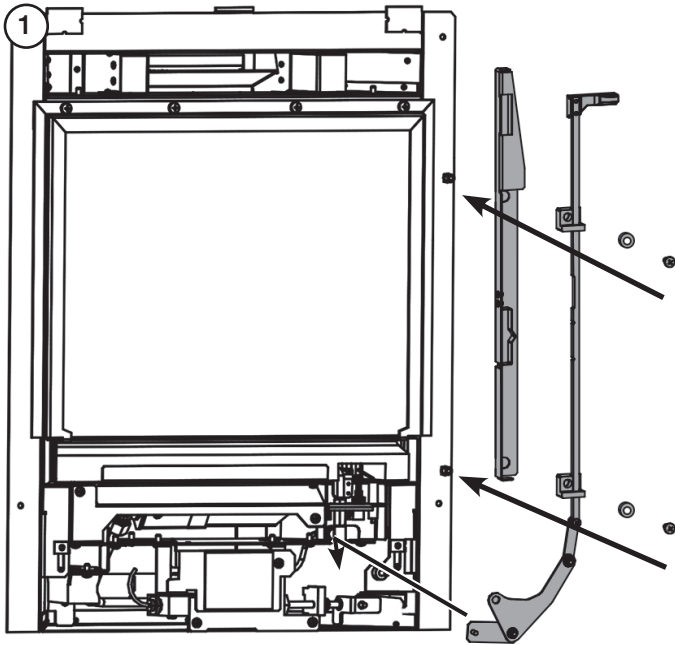
SLIDE CONTROL ONLY



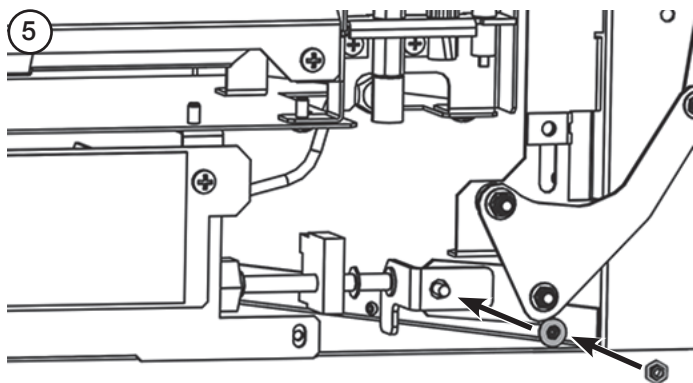
REMOVING THE SLIDE CONTROL MECHANISM



REPLACING THE SLIDE CONTROL MECHANISM



IMPORTANT: THERE SHOULD BE NO GAPS WHERE THE BRACKET IS SCREWED TO THE UNIT



ODS PILOT UNIT

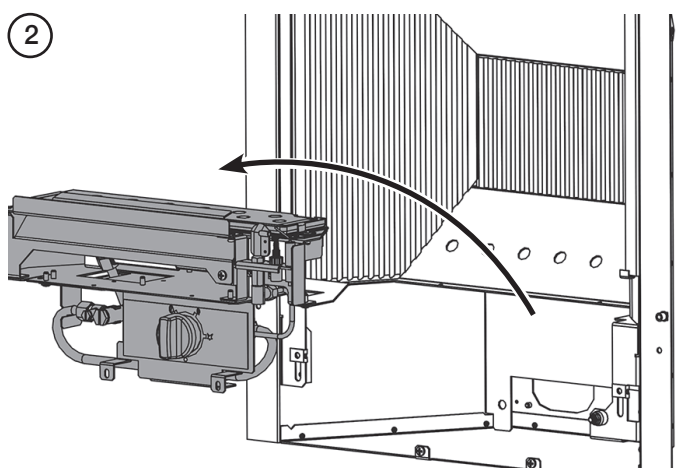
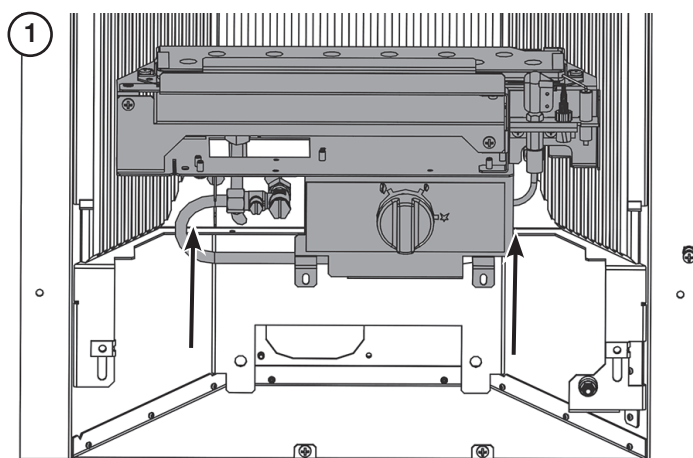
! IMPORTANT: UNDER THE TERMS OF THE EXTENDED WARRANTY IT WILL BE COMPULSORY TO CHANGE THE COMPLETE PILOT UNIT ON THIS APPLIANCE IN YEARS 2 AND 4.

Note: The pilot unit on the appliance is a non serviceable unit due to the complex nature of its manufacture.

Replacement of the complete unit must be carried out when one of the following items becomes faulty:

- Pilot injector
- Ignition electrode
- Thermocouple leads
- Ignition Lead

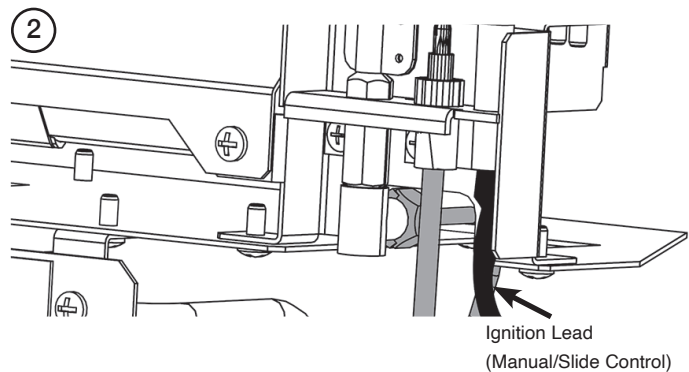
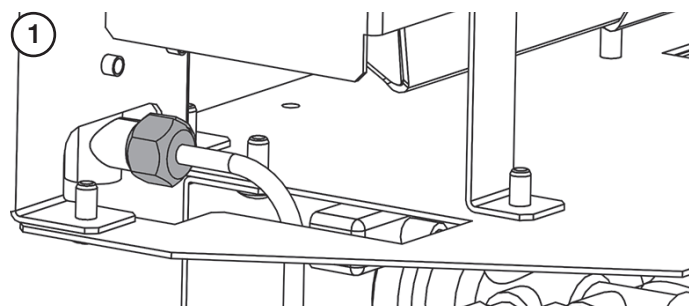
ALL MODELS



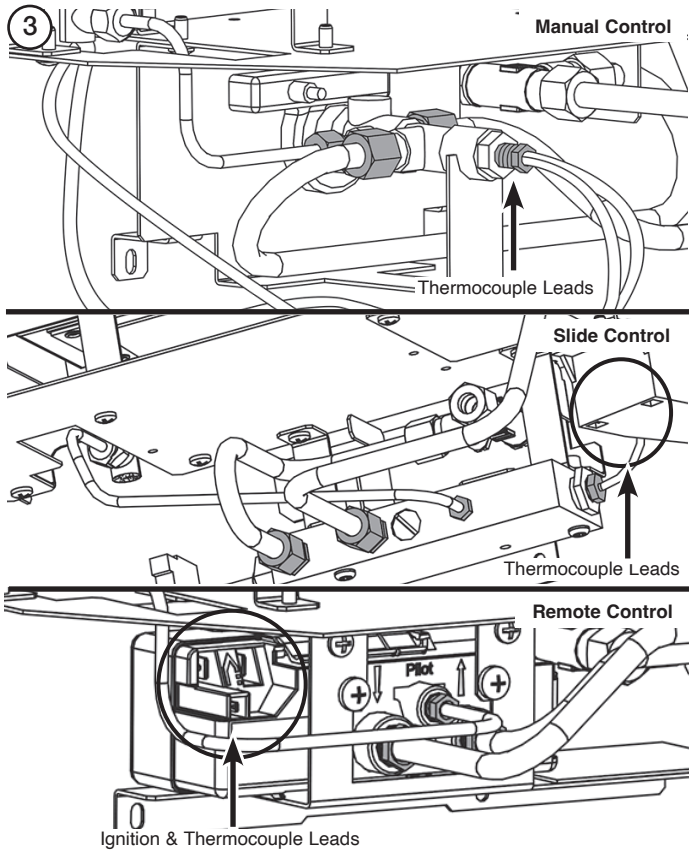
Clean any debris from the burner skin.

Remove the Main Burner.

Undo the connections from the pilot unit.

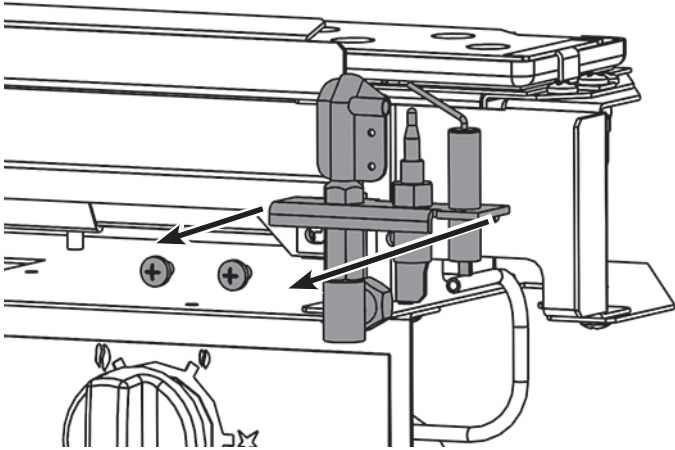


Undo the connections from the Gas Valve.



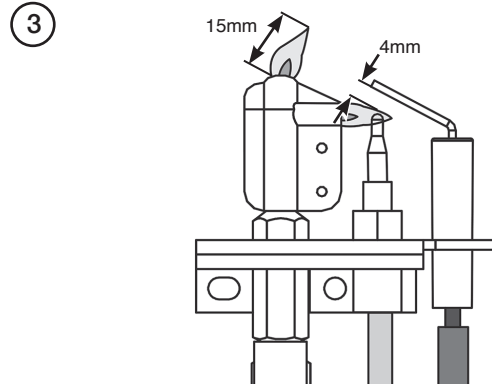
NOTE: When removing it is important to note the orientation of the RED and GREEN connections on the REMOTE CONTROL VALVE.

ALL MODELS



NOTE: Ensure the correct orientation when replacing all connections. Ensure that the Vidaflex is replaced when refitting the new pilot unit.

Replace with a new pilot assembly and check the spark gap.

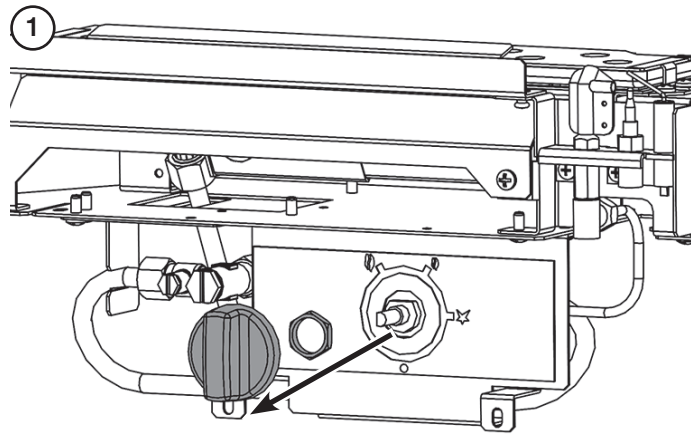


After reassembly check for gas soundness and carry out a functional check.

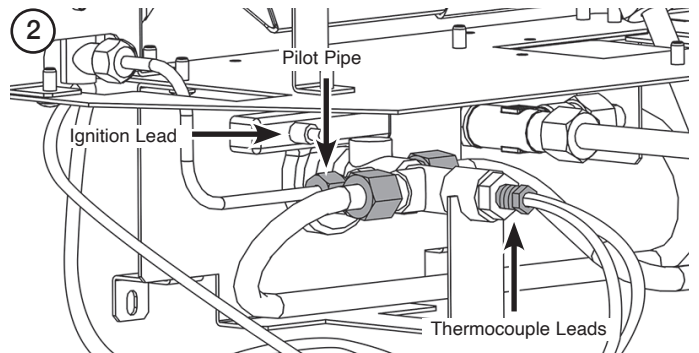
GAS VALVE

IMPORTANT: TURN OFF THE GAS SUPPLY AT THE ISOLATION DEVICE.

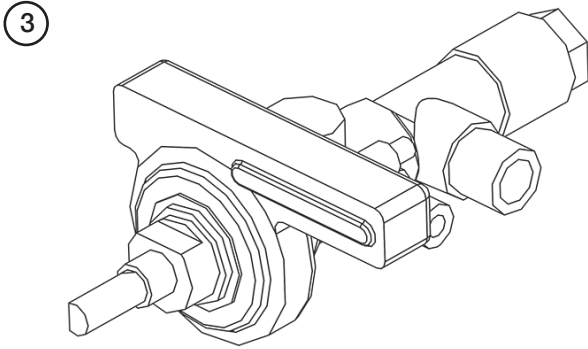
1. MANUAL VALVE



Undo the connections from the Gas Valve.



Remove the valve unit.

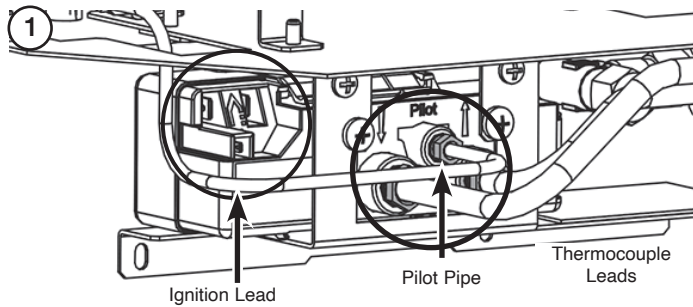


Replace in reverse order.

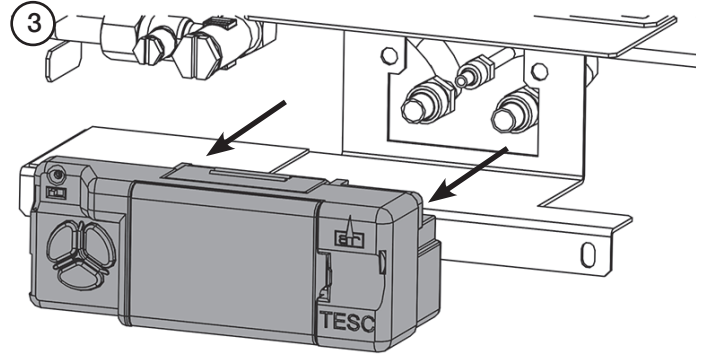
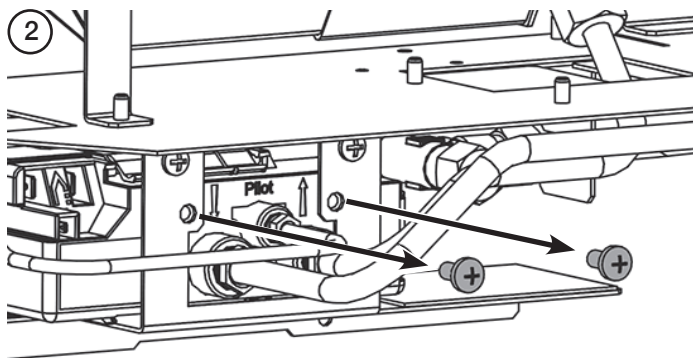
Check all joints for gas leaks, check operation of the thermocouple and ignition lead.

2. REMOTE VALVE

Undo the connections from the Gas Valve.



NOTE: When removing it is important to note the orientation of the RED and GREEN connections on the REMOTE CONTROL VALVE.

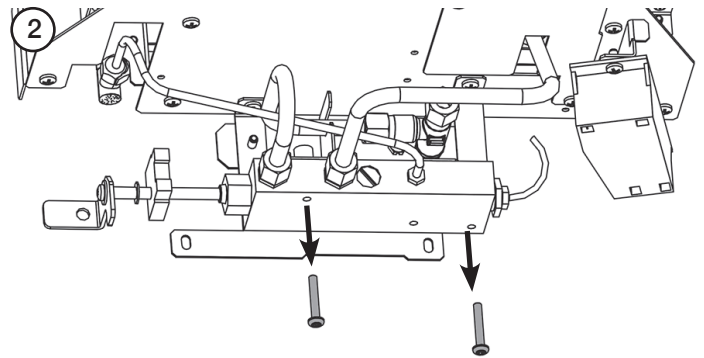
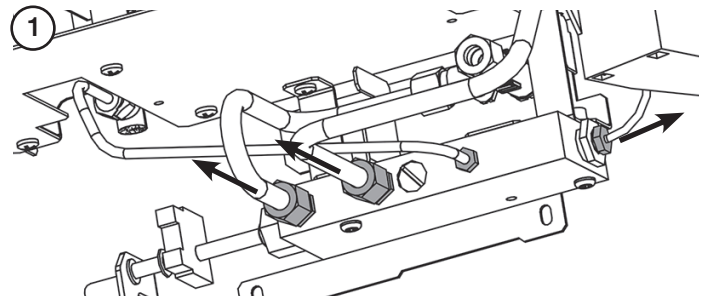


Replace in reverse order.

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

3. SLIDE CONTROL VALVE

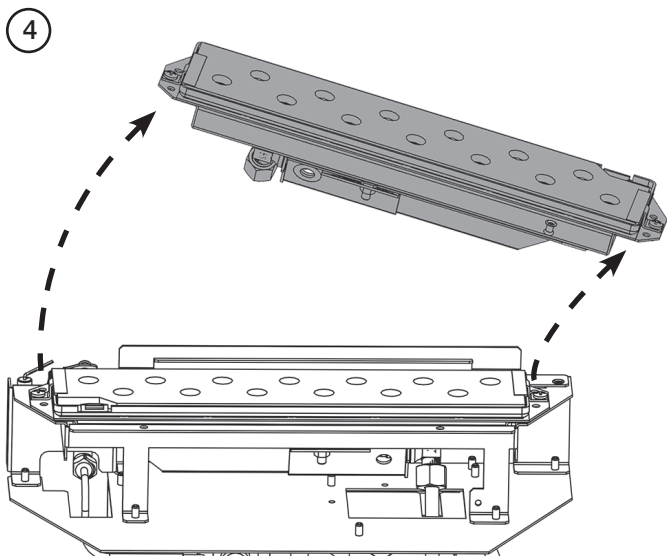
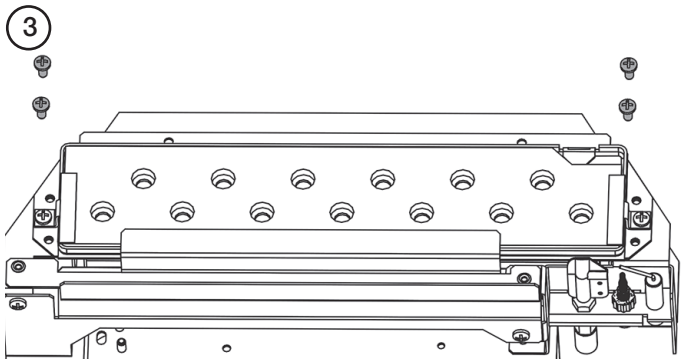
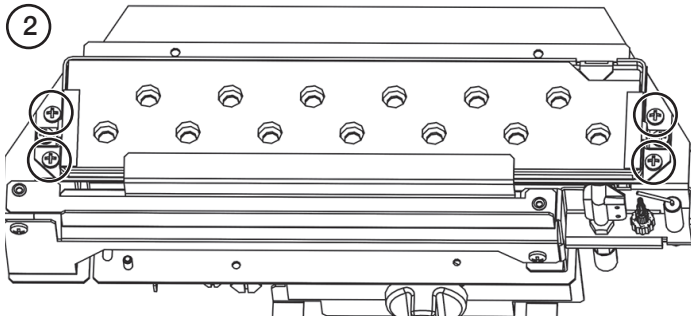
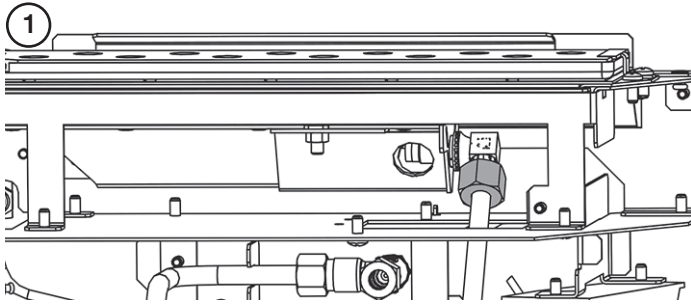
Undo the connections from the Gas Valve.



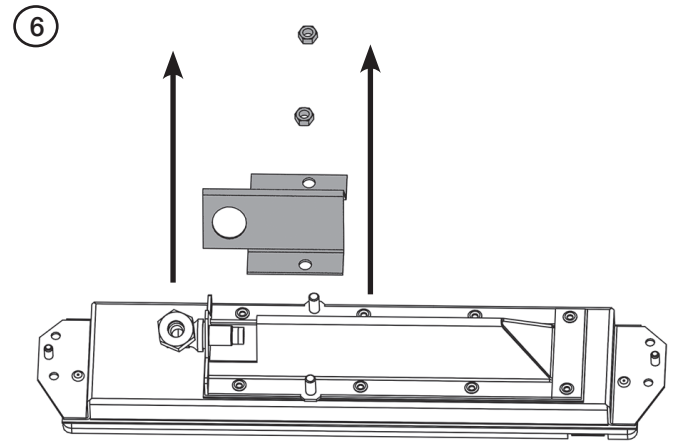
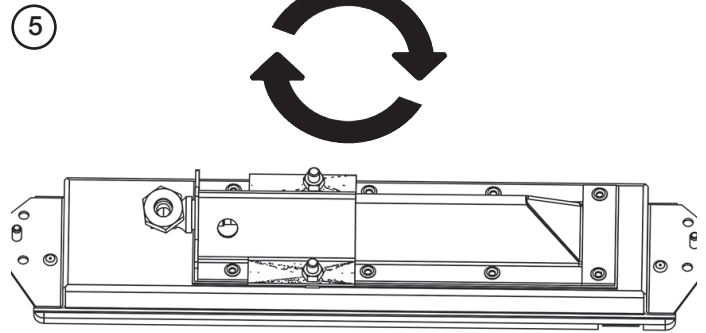
Replace in reverse order.

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

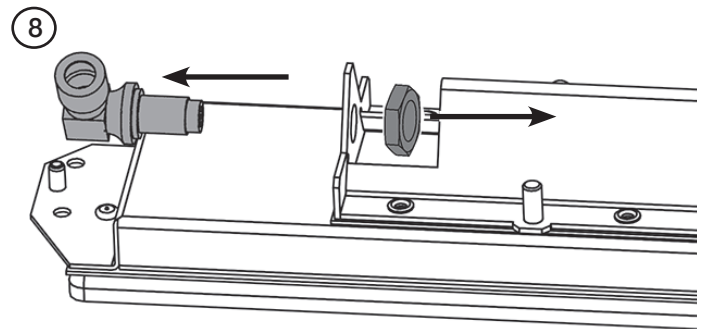
MAIN INJECTOR



Undo the injector compression nut.



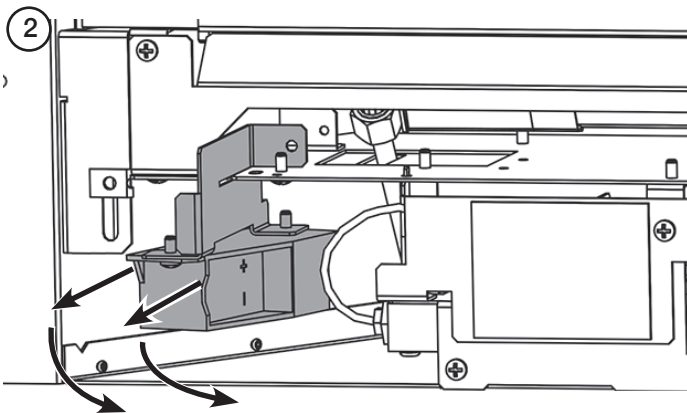
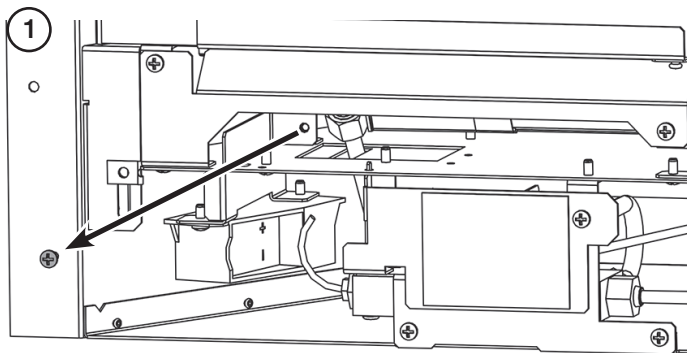
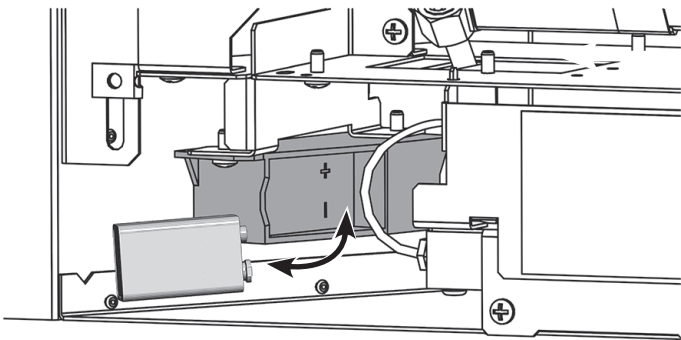
Remove the Locknut and then the Main Injector.



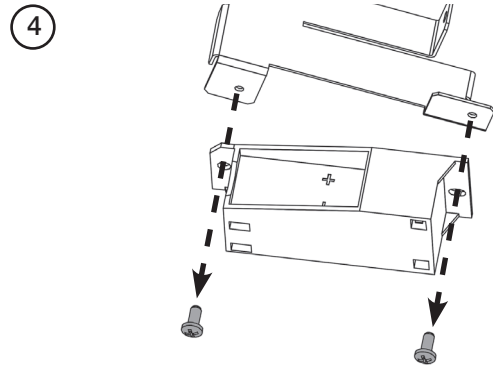
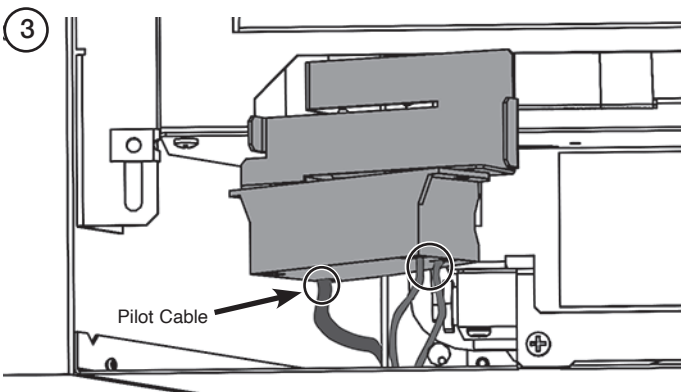
Replace with the correct replacement injector. When ordering, always state the model, gas type and serial number.

Reassemble and turn the gas supply on, check for any leaks.

**IGNITION UNIT
- SLIDE CONTROL ONLY**



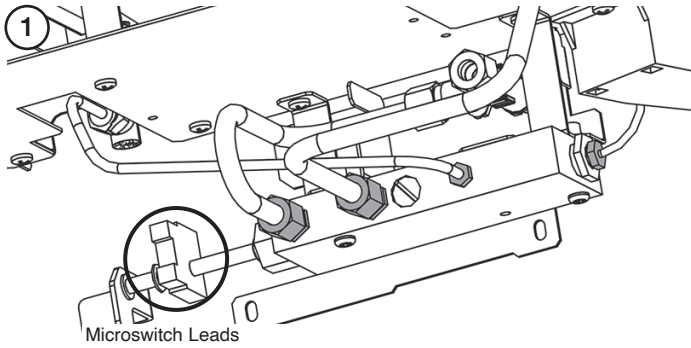
Remove the 3 leads from the ignition unit.



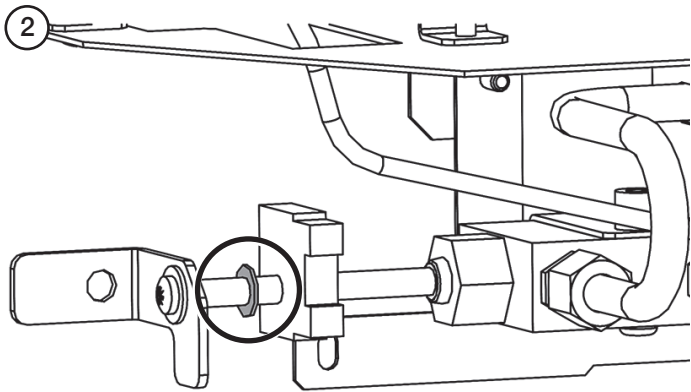
Replace in reverse order.

**MICROSWITCH
- SLIDE CONTROL ONLY**

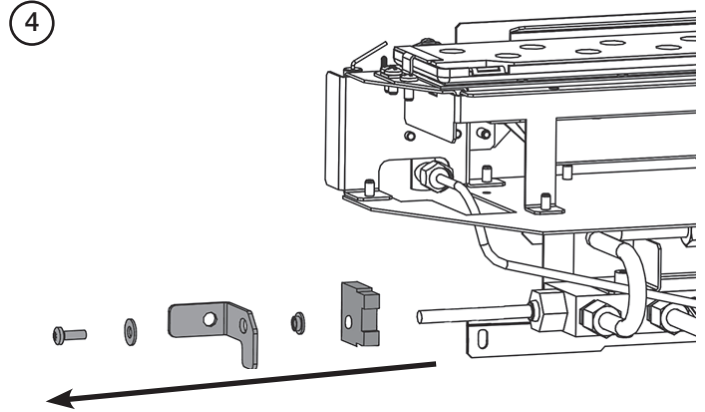
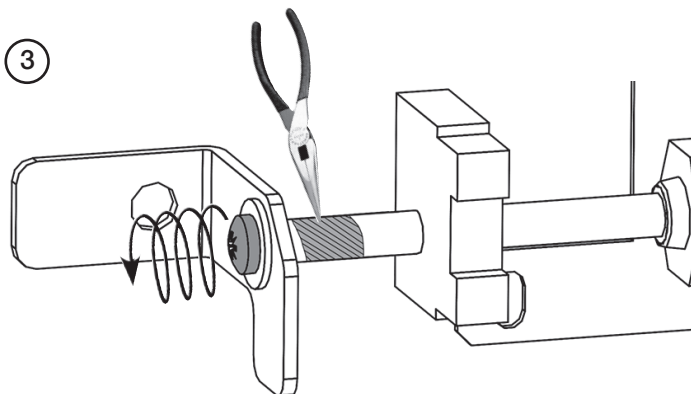
Disconnect the 2 leads from the micro-switch.



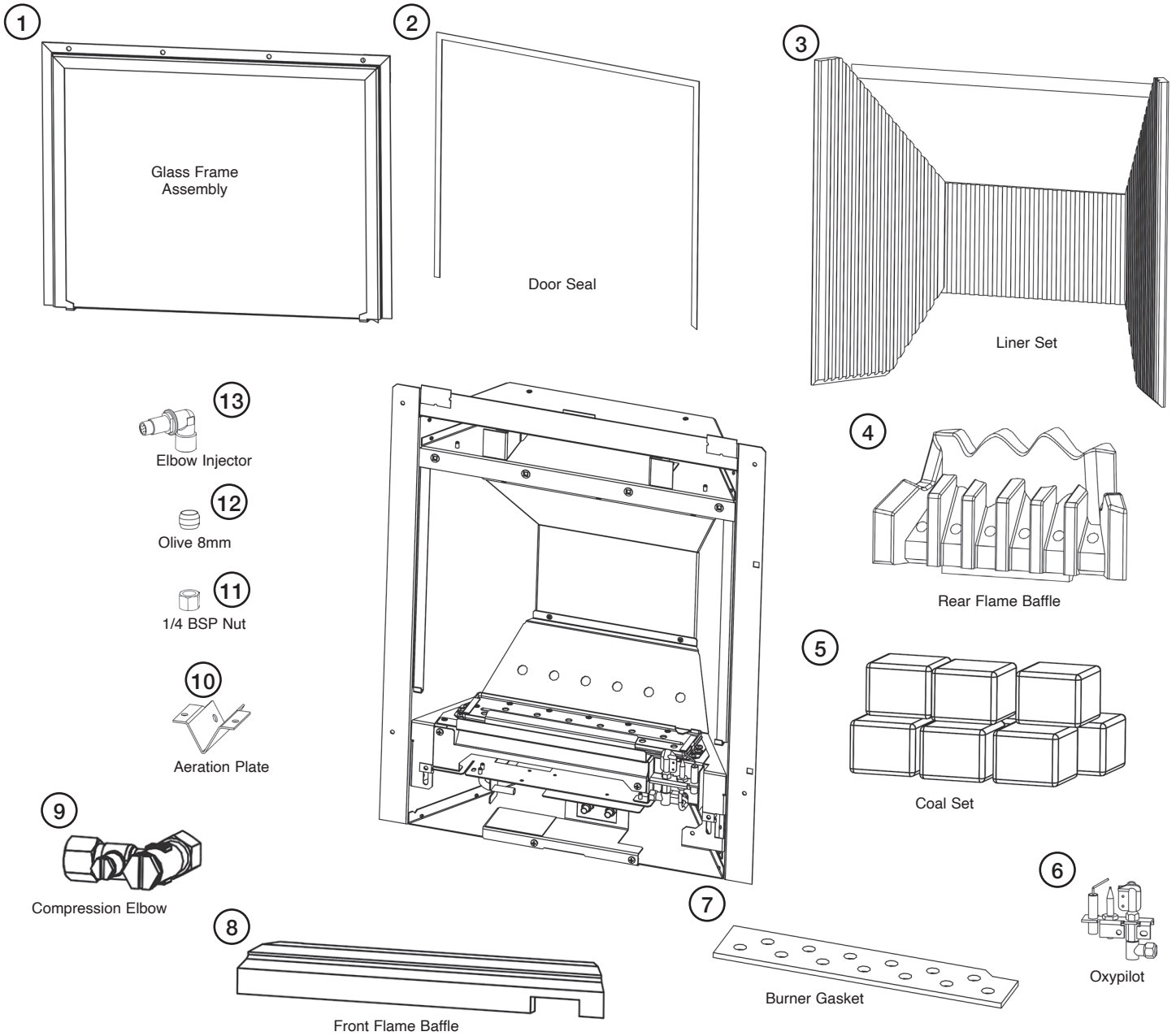
Carefully unclip the Circlip from the Piston



For ease, hold the piston carefully with pliers - in the area highlighted below - to undo the screw.



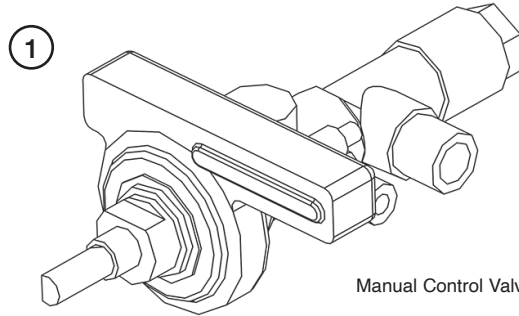
SPARES LIST - COMMON PARTS



CONTROL TYPE	1	2	3	4	5	6	
						NAT GAS	LPG
Manual	GZ16650	4997	CE2175	CE2108	CE2112	PI0036	PI0037
Slide						PI0036	PI0037
Remote						PI0090	PI0092

CONTROL TYPE	7		8	9	10		11	12	13	
	NAT GAS	LPG			NAT GAS	LPG			NAT GAS	LPG
Manual	CE2121	CE2107	GC0095	GZ11217	GZ13623	FA0029	FA0011	IN0064	IN0031	
Slide										
Remote										

SPARES LIST - MANUAL ASSEMBLY



Manual Control Valve

No.	PRODUCT CODE	
	NAT GAS	LPG
1	GC0156	GC0158

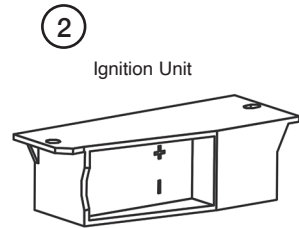
SPARES LIST - SLIDE CONTROL



Ignition Lead x 3



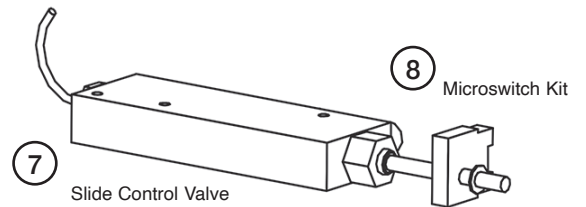
Slide Mechanism Assembly



Ignition Unit

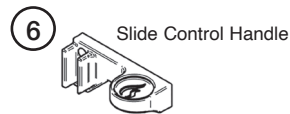


Slider Housing Assembly

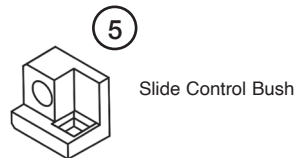


Slide Control Valve

Microswitch Kit



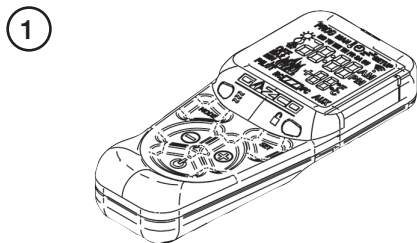
Slide Control Handle



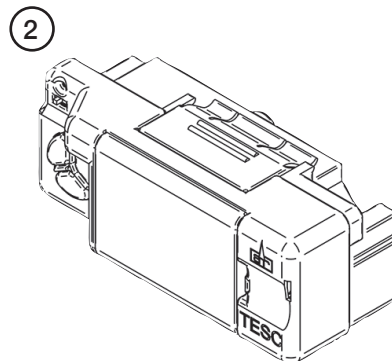
Slide Control Bush

No.	PRODUCT CODE
1	EL0578
2	EL0573
3	GZ16666
4	GZ17413
5	PL0244
6	PL0240
7	GC0168
8	GC0179

SPARES LIST - REMOTE CONTROL



Hand Set



Gas Control Valve

No.	PRODUCT CODE
1	EL0807
2	GC0182

i 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.

INFORMATION REQUIREMENT FOR GASEOUS FUEL LOCAL SPACE HEATER

MODEL		LOGIC HE CF MANUAL CONTROL NG COAL	LOGIC HE CF SLIDE CONTROL NG COAL	LOGIC HE CF REMOTE CONTROL NG COAL
Fuel	Space Heating Emissions (NOx) - mg / kWh _{input} (GCV)	130	130	130

Heat Output	Nominal Heat Output - P_{nom}	3.8kW	3.8KW	3.8KW
	Minimum Heat Output (indicative) - P_{min}	1.8	1.8	1.8

Auxiliary Electricity Consumption	At Nominal Heat Output - e_{lmax}	N/A	N/A	N/A
	At Minimum Heat Output - e_{lmin}	N/A	N/A	N/A
	In Standby Mode - $e_{l_{sb}}$	N/A	N/A	N/A

Useful Efficiency (NCV)	Useful Efficiency at nominal heat output - $\eta_{th,nom}$	89	89	89
	Useful Efficiency at minimum heat output (indicative) - $\eta_{th,min}$	82	82	82

Permanent Pilot Flame Power requirement	Permanent Pilot Flame Power requirement (if applicable) - P_{pilot}	0.200	N/A	N/A
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Type of heat output/room temperature control

Electronic thermostat + day timer	No	No	Yes
Two or more manual stages, no room temperature control	Yes	Yes	No

Other control options (multiple selections possible)

Room temperature control, with presence detection	No	No	No
Room temperature control, with open window detection	No	No	No
With distance control option	No	No	No
With adaptive start control	No	No	No
With working time limitation	No	No	No
With black bulb sensor	No	No	No

Energy Efficiency Index	77	80	85
Energy Efficiency Class	C	C	B

Contact:	Gazco Limited, Spitfire Avenue, Skypark, Clyst Honiton, Exeter, Devon, England, EX5 2FR
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INFORMATION REQUIREMENT FOR GASEOUS FUEL LOCAL SPACE HEATER

MODEL		LOGIC HE CF MANUAL CONTROL LPG COAL	LOGIC HE CF SLIDE CONTROL LPG COAL	LOGIC HE CF REMOTE CONTROL LPG COAL
Fuel	Space Heating Emissions (NOx) - mg / kWh _{input} (GCV)	130	130	130

Heat Output	Nominal Heat Output - P_{nom}	3.8KW	3.8KW	3.8KW
	Minimum Heat Output (indicative) - P_{min}	1.7	1.7	1.7

Auxiliary Electricity Consumption	At Nominal Heat Output - e_{lmax}	N/A	N/A	N/A
	At Minimum Heat Output - e_{lmin}	N/A	N/A	N/A
	In Standby Mode - e_{sb}	N/A	N/A	N/A

Useful Efficiency (NCV)	Useful Efficiency at nominal heat output - $\eta_{th,nom}$	89	89	89
	Useful Efficiency at minimum heat output (indicative) - $\eta_{th,min}$	82	82	82

Permanent Pilot Flame Power requirement	Permanent Pilot Flame Power requirement (if applicable) - P_{pilot}	0.200	N/A	N/A
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Type of heat output/room temperature control

Electronic thermostat + day timer	No	No	Yes
Two or more manual stages, no room temperature control	Yes	Yes	No

Other control options (multiple selections possible)

Room temperature control, with presence detection	No	No	No
Room temperature control, with open window detection	No	No	No
With distance control option	No	No	No
With adaptive start control	No	No	No
With working time limitation	No	No	No
With black bulb sensor	No	No	No

Energy Efficiency Index	77	80	85
Energy Efficiency Class	C	C	B

Contact:	Gazco Limited, Spitfire Avenue, Skypark, Clyst Honiton, Exeter, Devon, England, EX5 2FR
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PRODUCT MATERIAL INFORMATION

The following substances, preparations or components should be disposed of or recovered separately from other WEEE in compliance with Article 4 of EU Council Directive 75/442/EEC.

Metal	Steel	Can be taken to a local recycling centre for reuse to reduce waste going to landfill.
	Cast iron	
Glass		Can be taken to a local recycling centre for reuse to reduce waste going to landfill.
Rope seals/ Coal Fuel Effects and Black Reed Liners		These items are made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application. Protective clothing is not required when handling these articles, but it is recommended to follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash hands before eating or drinking. 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.
Electrical components	(Fan kits etc if applicable)	Dispose of at a local recycling centre in accordance with the WEEE directive.

SERVICE RECORDS

1ST 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

5TH 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

9TH 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

4TH 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

8TH SERVICE

Date of Service.....
Next Due
Signed
Retailer's Stamp/Gas Safe Registration Number

10TH SERVICE

Date of Service.....
Next Service Due
Signed
Retailer's Stamp/GasSafe Registration Number

FOR ENQUIRIES IN THE U.K (EXCLUDING NI):

Gazco Limited, Spitfire Avenue, Skypark, Clyst Honiton, Exeter, Devon, England, EX5 2FR

Tel: (01392) 261900 E-mail: info@gazco.com

FOR ENQUIRIES IN EUROPE (INCLUDING NI):

Stovax Heating Group (NI) Ltd (Comp reg NI675194), 40 Linenhall Street, Belfast, BT2 8BA

DX 400 NR Belfast Tel: +44 (0)1392 261990 E-mail: northernireland@gazco.com

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