Yeoman
A NATURAL WARMTH

Dartmoor

Balanced Flue Log Effect Stove

With Upgradeable Control Valve

Instructions for Use, Installation and Servicing

For use in GB, IE (Great Britain and Republic of Ireland)

IMPORTANT

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423:2002 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.

PR2109 Issue 4 (March 2015)

Contents

Yeoman Dartmoor - Balanced Flue

Covering the following models:

Model		NATURAL GAS	LPG
Single Door	Flat Top	YM-N5201BFLUC	YM-P5201BFLUC
	High Canopy	YM-N5201BFLUCHC	YM-P5201BFLUCHC
Double Door	Flat Top	YM-N5202BFLUC	YM-P5202BFLUC
	High Canopy	YM-N5202BFLUCHC	YM-P5202BFLUCHC

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

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

Full terms and conditions are detailed in the Warranty Statement on the Yeoman website www.yeomanstoves.co.uk. In the event of any conflict of information the wording on the website shall prevail.

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

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

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

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

Appliance Commissioning Checklist

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

IMPORTANT NOTICE

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

FLUE CHECK		PASS	FAIL
1. Flue Is correct for appliance			
2. Flue flow Test N/A			
3. Spillage Test N/A			
GAS CHECK			
1. Gas soundness & let by test			
2. Standing gas pressure		mb	
3. Appliance working pressure (on High Setting) NB All other gas appliances must be operating on full		mb	
4. Gas rate		m^3/h	
5. Does Ventilation meet appliance requirements N/A			
7. Have controls been upgraded (Upgradeable models only)	8455 Standard	YES	NO
	8456 Programmable Thermostatic and Timer	YES	NO
SAFETY CHECK			
1. Glass checked to ensure no damage, scratches, scores or cracks.			
2. Door secured correctly and all screws replaced			
BUILDING CONTROL NOTIFICATION		**YES**	**NO**
1. Installer notified GasSafe/Local Authority of installation via Competent Persons Scheme?			

RETAILER AND INSTALLER INFORMATION

Retailer .....

.....

.....

Contact No. .....

Date of Purchase .....

Model No. .....

Serial No. .....

Gas Type. .....

Installation Company .....

.....

.....

Engineer .....

Contact No. .....

Gas Safe Reg No. .....

Date of Installation. .....

User Instructions

Welcome

Congratulations on purchasing your Yeoman Dartmoor stove, if installed correctly Yeoman hope it will give you many years of warmth and pleasure for which it was designed.

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

WARNING

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

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

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

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

1. General

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

GAS safe REGISTER

1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the databadge located on a tag/chain behind the appliance.

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

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

1.5 If a shelf is fitted, a distance of 225mm above the appliance is required.

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

1.7 If, for any reason, the flue has to be removed from the appliance, the seals must be replaced in the inner spigot.

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

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

1.10 Do not use a garden sprinkler or hose near the terminal.

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

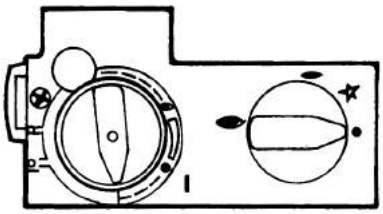
2. Operating the Appliance

2.1 The control valve is at the foot on the right-hand side of the appliance. It has two controls, see Diagram 1:

1. The right-hand knob controls the pilot ignition

2. The left-hand knob controls the main burner

1



2.2 Refer to separate instructions if your appliance is upgraded to include battery remote control. The instructions below apply whether or not you have the remote upgrade.

Lighting the Pilot

2.3 To start the left-hand and right-hand control knobs must both point to off (●):

2.4 Press in the right-hand control knob and rotate anti-clockwise until a click is heard. Continue to press in. The knob points to the pilot (▬).

The pilot is lit.

2.5 Keep the knob depressed for 10 seconds before releasing. The pilot remains lit.

Repeat the above steps if the pilot does not stay lit.

NOTE: If the pilot goes out, the Interlock system prevents you lighting again for a short period.

2.6 If, after repeating the above steps the pilot does not light, contact your Retailer or Installer.

2.7 Turn the right-hand knob to the left to main burner setting (◂).

Adjusting the Flame height

2.8 You can now adjust the flame height and temperature using the left-hand control knob.

2.9 Turn the left-hand knob anti-clockwise to increase the flame height.

2.10 Turn clockwise to decrease the height.

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.

3. Turning OFF the Appliance

3.1 To turn the main burner off turn the left-hand knob until it points to off (●). Just the pilot remains lit.

3.2 Press in and turn the right-hand knob until it points to off (●). The pilot goes out.

4. Upgrading the Appliance

4.1 The appliance is fitted with a control valve that can easily be upgraded to battery powered remote control.
There are two versions of this control which can be obtained through your local Yeoman stockist.
There is no requirement for this upgrade to be carried out by an approved Gas engineer. However Yeoman recommend that this task is undertaken by a suitably competent person.

4.2 This upgrade can be fitted before or after installation but if side clearances are limited then it will be easier to upgrade the appliance before installation. Full instructions are included with the kit.

Standard Remote Control (PART NUMBER 8455)

4.3 This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again.
It can turn the main burner off leaving the pilot burning.

Thermostatic and Timer Remote Control (PART NUMBER 8456)

4.4 This remote control can control the gas appliance after the pilot has been lit.

MANUAL MODE

Can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner off leaving the pilot burning.

AUTO MODE

Will automatically regulate the room to a pre-set temperature.

TIMER MODE

Will turn the appliance on and off according to a pre-set programme and automatically regulate the room temperature during the two on periods.

5. Cleaning the Appliance

WARNING: NEVER CLEAN THE APPLIANCE WHILE IT'S HOT. THE APPLIANCE STAYS HOT FOR A LONG TIME AFTER SHUTDOWN.

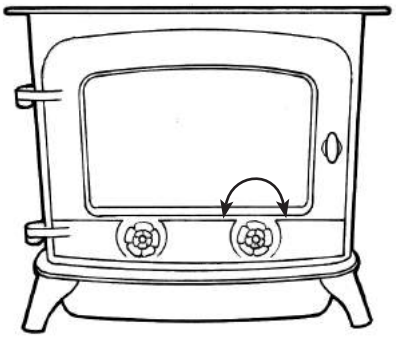
IMPORTANT: THE OUTER PANELLING OF THE APPLIANCE IS MADE FROM CAST IRON. USE CAUTION WHEN INSTALLING, REMOVING AND STORING AS THE COMPONENTS ARE HEAVY AND SHOULD BE HANDLED CAREFULLY.

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

Single Door

5.2 To open the door and access the interior turn the right-hand rosette 90°, see Diagram 2.

2



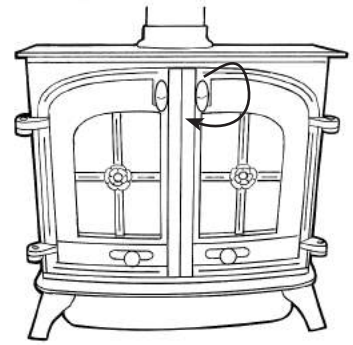
5.3 Pull the door open.

User Instructions

Double Door

5.4 To open the door turn the knob on the right door to release the catch, see Diagram 3.

3



All Models

5.5 Remove the glass frame by undoing the eight screws, see Diagram 4.

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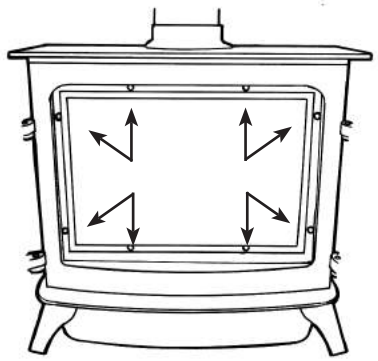
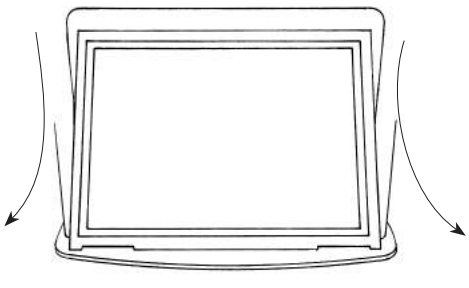


5.6 Lower the frame down to clear the top edge before lifting clear, see Diagram 5.

5



5.7 Place carefully to one side.

5.8 Carefully remove the ceramic fuel bed components and set aside. Protect the floor coverings and follow the advice given in Section 6**.**

5.9 The logs do not require cleaning. Do not use a vacuum cleaner or brush to clean the logs, any large pieces of debris can be removed by hand.

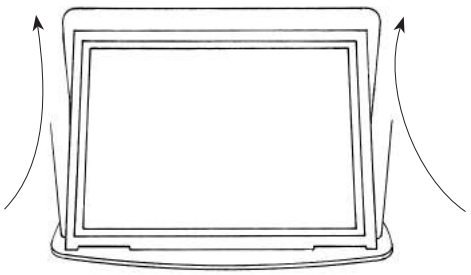
5.10 Ensure any debris is removed from the burner ports.

5.11 Replace the ceramics, see Section 6.

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

5.12 Ensure that the rope seal on the back of the glass frame is intact and manoeuvre the frame under the top edge to secure in place, see Diagram 6.

6



5.13 Replace the 6 screws working from the top down. Tighten the screws evenly. **DO NOT OVER TIGHTEN**, see Diagram 4.

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

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

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

5.15 Use a damp cloth to clean the outer casing of the appliance.

6. Arrangement of Fuel Bed

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.

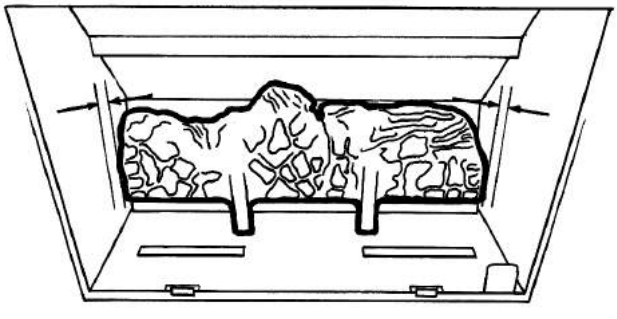
7. Log Layout

LOGS MUST BE POSITIONED ACCORDING TO THE FOLLOWING INSTRUCTIONS TO GIVE THE CORRECT FLAME EFFECT.

The fuel bed consists of 5 logs and 2 ash panels. The logs have letters A, B, C, D and E moulded into them for identification.

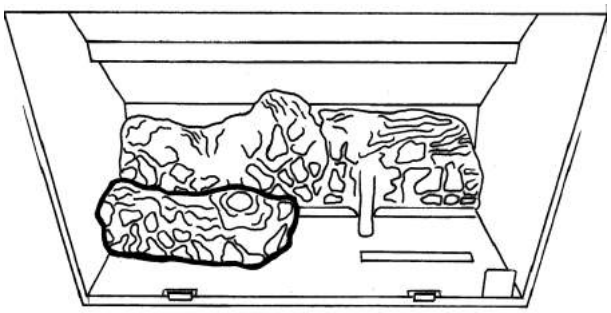
7.1 Take the rear log A and place it up against the rear of the appliance sitting on the two flat ledges of the burner. The two legs of the log should sit between the rear burner ports, see Diagram 7. Ensure there is an equal gap between the sides of the firebox at each end of the log.

7



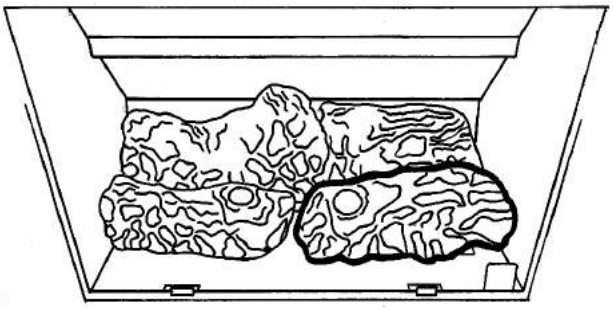
7.2 Place log B on the left-hand side of the burner with the location bar on its underside slid into the long slot of the burner. Make sure the log is as far left as possible, see Diagram 8.

8



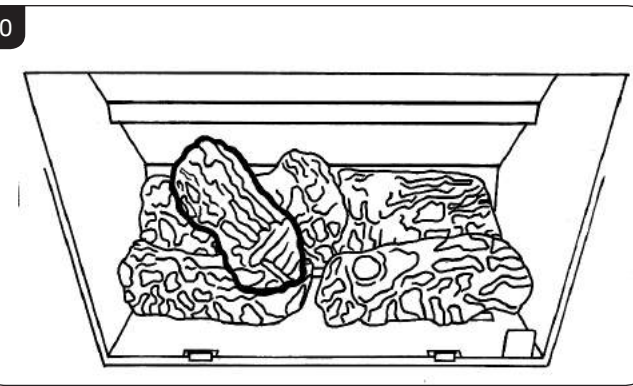
7.3 Place log C on the right-hand side of the burner with the location bar on its underside slid into the long slot of the burner. Make sure the log is as far right as possible, see Diagram 9.

9



7.4 Place log D across from the rear log A to log B on the left-hand side. There are cut-outs in both logs for location, see Diagram 10.

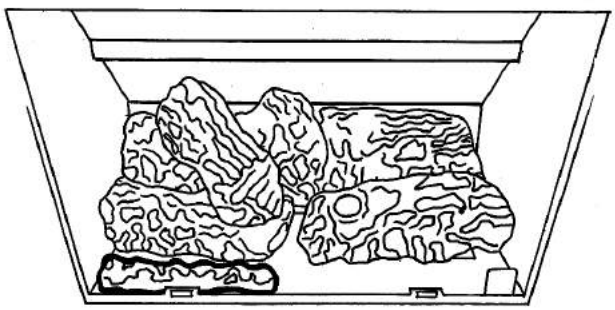
10



User Instructions

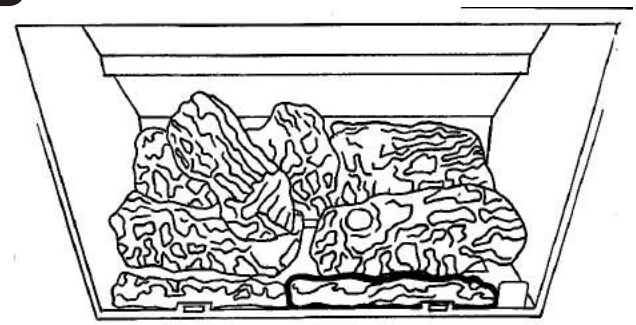
7.5 There are two ash panels which lay across the front of the burner. Place the panel with the flat edge facing the left side of the firebox. There are location holes on this log which fit over the screw holes on the burner.

11



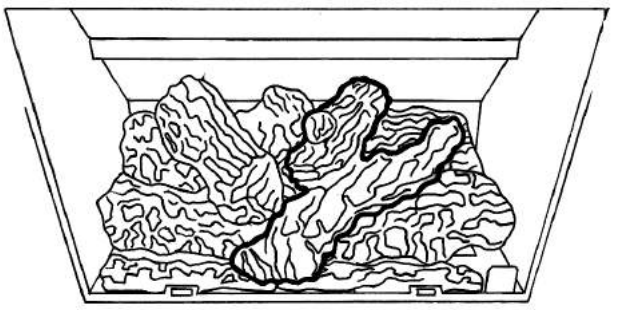
7.6 Place the second ash panel to the right of the first, with the pointed end of the panel fitting the V shape and fitting the screw holes on the burner. Ensure that both logs are horizontal to the burner ports.

12



7.7 Place log E across from the rear of log A to log C on the right-hand side using the shaped cut-outs as location guides. The front of the log should sit on the front ash panels and should fit tight to log C, see Diagram 13.

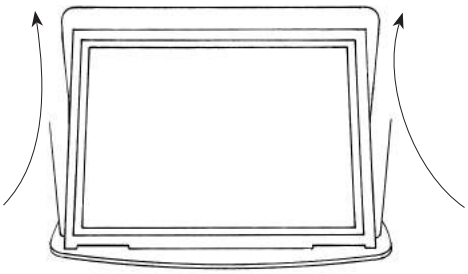
13



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

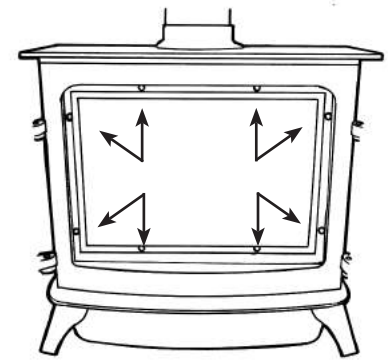
7.8 Ensure that the rope seal on the back of the glass frame is intact and manoeuvre the frame under the top edge to secure in place, see Diagram 14.

14



7.9 Replace the 6 screws working from the top down. Tighten the screws evenly. **DO NOT OVER TIGHTEN**, see Diagram 15.

15



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

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

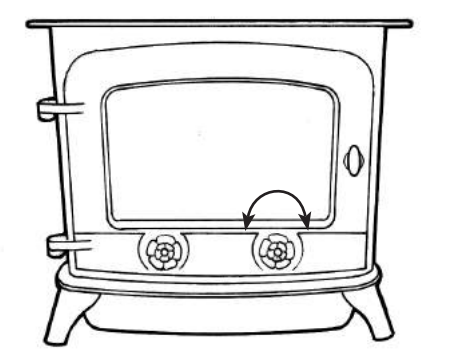
NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED, OR THE GLASS IS BROKEN.

Single Door

7.11 Push the door closed.

7.12 Turn the right-hand rosette until the catch holds the door firmly, see Diagram 16.

16



Double Door

7.13 Push the door closed.

7.14 Turn the knob on the right door until the catch holds the door closed, see Diagram 17.

17

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

8. Flame Failure Device

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

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

9. Running In

9.1 During initial use of a new YEOMAN 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.

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

10. Servicing

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

11. Ventilation

11.1 This appliance requires no additional ventilation.

12. Installation Details

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

13. Hot Surfaces

13.1 Parts of this appliance become hot during normal use. Regard all parts of the appliance as a ‘working surface’ apart from the control area.

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

Installation Instructions

Technical Specification

Covering the following models:

Model		NATURAL GAS	LPG
Single Door	Flat Top	YM-N5201BFLUC	YM-P5201BFLUC
	High Canopy	YM-N5201BFLUCHC	YM-P5201BFLUCHC
Double Door	Flat Top	YM-N5202BFLUC	YM-P5202BFLUC
	High Canopy	YM-N5202BFLUCHC	YM-P5202BFLUCHC

Model	Gas CAT.	Gas Type	Working Pressure	Aeration	Injector	Gas Rate m^3/h	Input kW (Gross)		Country
							High	Low	
Dartmoor BF	I_{2H}	Natural (G20)	20mbar	Ø 14.5 mm	375	0.611	6.45	3.2	GB, IE
	I_{3+}	LPG Propane (G31)	37mbar	2 x 12mm Ø	165	0.166	6	3.6	GB, IE
		LPG Butane (G30)	29 mbar	2 x 14.5mm Ø		0.219			
Efficiency Class 1 - 82%									
Flue Outlet Size Ø 100mm									
Flue Inlet Size Ø 150mm									
Gas Inlet Connection Size Ø 8mm									

RESTRICTOR REQUIREMENT				
VERTICAL & HORIZONTAL FLUE			**TOP EXIT - VERTICAL ONLY INCLUDING OFFSET**	
Vertical Flue Height	Horizontal Length	Restrictor Size	Vertical Flue Height	Restrictor Size
500mm - 1499mm	250mm - 1000mm	No restrictor	3000mm - 4999mm	Ø 52mm
1500mm - 3000mm	250mm - 5000mm	Ø 75mm	5000mm - 10,000mm	Ø 47mm

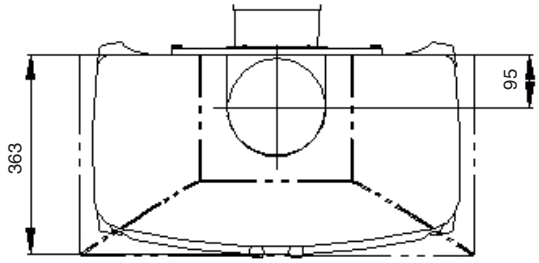
Installation Instructions

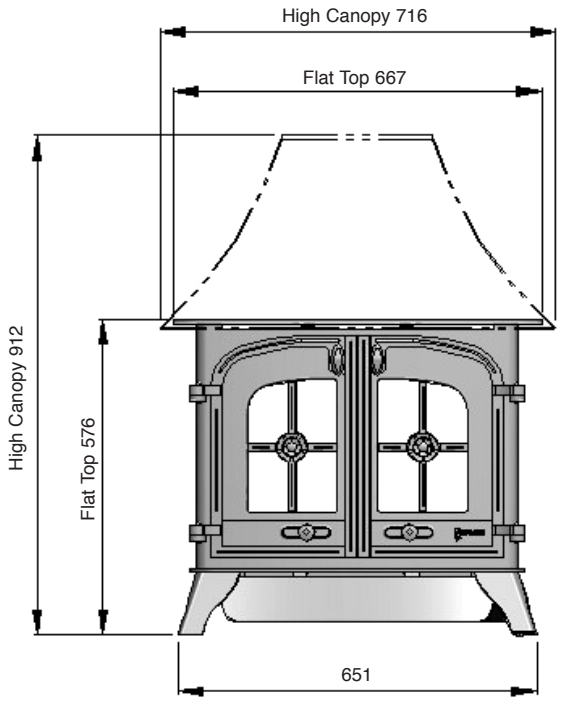
Technical Specification

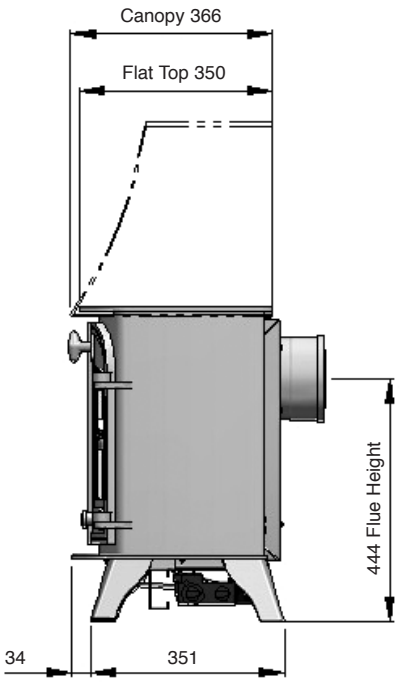
This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Yeoman for further information.

PACKING CHECKLIST

Qty Description	Fixing Kit containing:-
1 x Appliance 1 x Flue Blanking Plate 1 x Flue infill plate 1 x Log set* * Packed in appliance	1 x Instruction manual







Installation Instructions

Site Requirements

1. Flue and Chimney Requirements

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

You must adhere to the following:

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

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

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

1.4 A restrictor may be required. Refer to Technical Specifications on page 10

2. Timber Framed Buildings

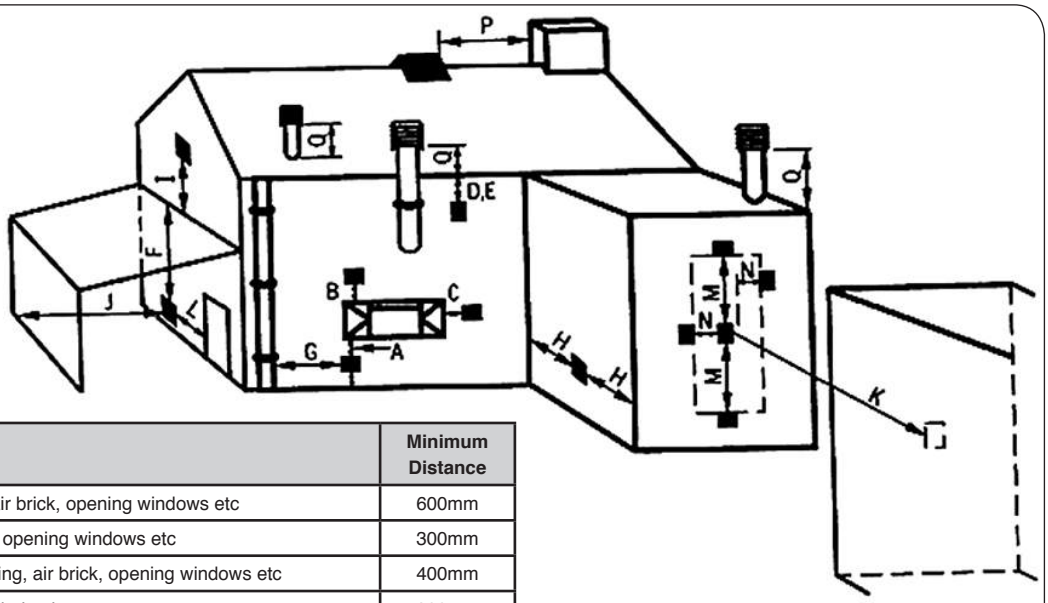
2.1 To prevent a fire hazard, you must provide additional clearance when the appliance passes through a wall containing any combustible materials.

2.2 A steel sleeve must be inserted into the hole through which the flue passes to give an air gap of 25mm between the sleeve and any outside surface of the flue.

2.3 Contact your local buildings authority for further guidance on installing gas fires in timber framed buildings.

Note: Make sure you provide adequate clearance at the sides and back of the appliance for servicing access.

1 **UK Dimensions**



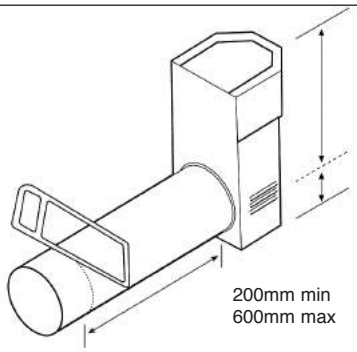
Dimension	Terminal Position	Minimum Distance
A*	Directly below an opening, air brick, opening windows etc	600mm
B*	Above an opening, air brick, opening windows etc	300mm
C*	Horizontally next to an opening, air brick, opening windows etc	400mm
D	Below gutters, soil pipes or drain pipe	300mm
E	Below eaves	300mm
F	Below balcony or car port roof	600mm
G	From a vertical drain pipe or soil pipe	300mm
H	From an internal or external corner	600mm
I	Above group roof or balcony level	300mm
J	From a surface facing the terminal	600mm
K	From a terminal facing the terminal	600mm
L	From an opening in the car port (e.g. door, window) into the dwelling	1200mm
M	Vertically from a terminal on the same wall	1500mm
N	Horizontally from a terminal on the same wall	300mm
O	From the wall on which the terminal is mounted	N/A
P	From a vertical structure on the roof	600mm
Q	Above intersection with roof	300mm

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

Site Requirements

3. Rear Flue

2



Terminal dimensions:
395 x 200 x 200 mm (H x W x D)
Guard supplied
Cut to length as required on site, see Diagram 2.

4. Top Exit Flues

There are two types of flue terminal: horizontal and vertical. For vertical see Section 4D.

4A. For horizontal terminal installations

4.1 Decide on the terminal position.

4.2 Measure the height from the top of the appliance to the centre of the required hole. For minimum and maximum dimensions see Diagram 3.

4.3 To fit the flue you must have access to the top or the side of the appliance to connect the flue.

4.4 Assemble the vertical sections making sure the top plate and flue collar are fitted before the fluepipe.

4.5 Add the 90° elbow.

4.6 Add the horizontal section and terminal. **Only the horizontal part can be reduced in size.**

4.7 A masonry installation requires the addition of a suitable lintel to support the opening. Refer to Installation Instructions, Technical Information for details of the flue length.

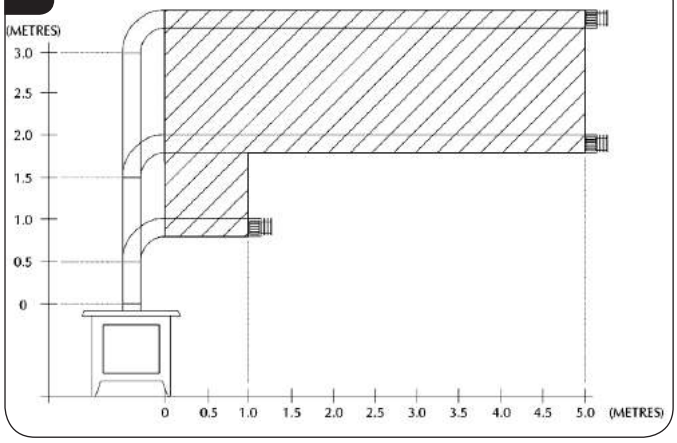
4B. Top Flue Up and Out Kit

4.8 This flue rises vertically from the top of the appliance, then continues horizontally outward, see Diagram 3.

The basic kit comprises:

1 x 500mm vertical length
1 x 500mm terminal length
1 x 90 degree elbow
1 x wall plate
1 x 75mm restrictor
1 x fixing screw

3



4.9 This kit provides the minimum materials. Extra lengths can be added to the vertical and horizontal sections; refer to Section 5.

4.10 Refer to Installation Instructions, Technical Specification to identify when to use a restrictor.

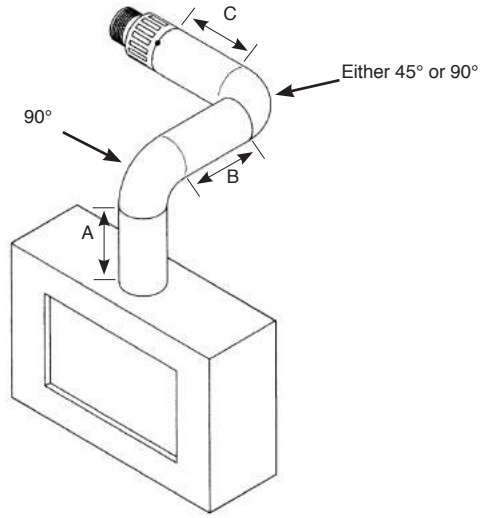
Installation Instructions

Site Requirements

4C. Top Flue Up and Out with Additional Bend

4.11 An additional bend can be used on the horizontal section (45° or 90°) but the overall horizontal flue is reduced, see Diagram 4.

4



When A = 1.0 to 1.499 metres
B+C = 1.0 metre max
(No restrictor)

When A = 1.499 to 3.0 metres
B+C = 4.0 metres max
(75mm diameter restrictor)

4D Top Flue Vertical Kit (999-539/999-539AN)

4.12 This flue is vertical from the top of the appliance, see Diagram 6. A minimum vertical rise of 3m (9'10") to a maximum of 10m (32'10").

The basic kit comprises:

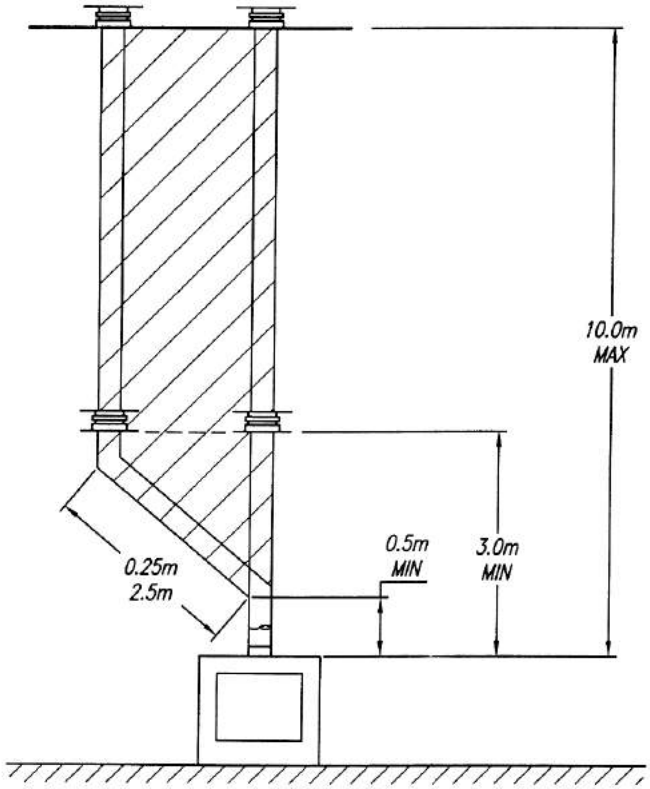
2 x 1m lengths
1 x 1m terminal lengths
1 x 52mm restrictor (sliding plate assembly)
1 x 47mm restrictor (sliding plate assembly)

ALL MODELS

4.13 Extra lengths can be added, see Diagram 5.

4.14 Refer to Installation Instructions, Technical Specification to identify when to use a restrictor.

5



4E Top Flue Vertical Offset Kit (8530/8530AN)

4.15 Used with kit 999-539. A minimum rise of 500mm (19½) is required to the first bend, see Diagram 5.

5. Optional Extra Flue Lengths and Bends

Nominal Length	Actual Length	Stainless Finish	Anthracite Finish
200mm	140mm	8527	8527AN
500mm	440mm	8528	8528AN
1000mm	940mm	8529	8529AN
45° Bend	N/A	8507	8507AN
90° Bend	N/A	8508	8508AN
Optional Flue Collar		8548MB	

Site Requirements

6. Gas Supply

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

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

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

6.3 You can use soft copper tubing on the installation and soft soldered joints outside the appliance and below the fire.

6.4 A means of isolating the gas supply to the appliance must be provided independent of any appliance control.

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

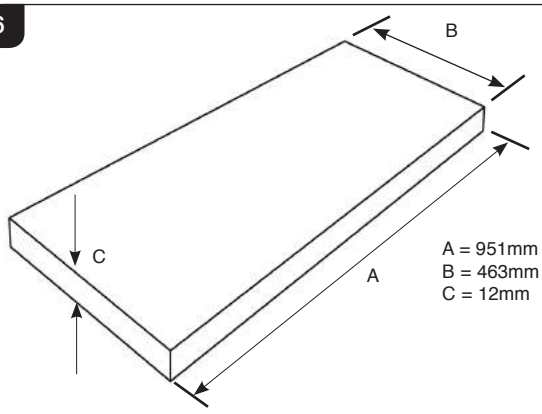
6.6 The gas supply must be installed in a way that does not restrict the removal of the appliance for servicing and inspection.

7. Appliance Location

HEARTH INSTALLATION

7.1 Building Regulations state this appliance must stand on a non-combustible hearth that is at least 12mm thick and projects 50mm minimum from the base of the appliance in all directions, however Yeoman recommend the hearth extends to the following dimensions, see Diagram 6.

6



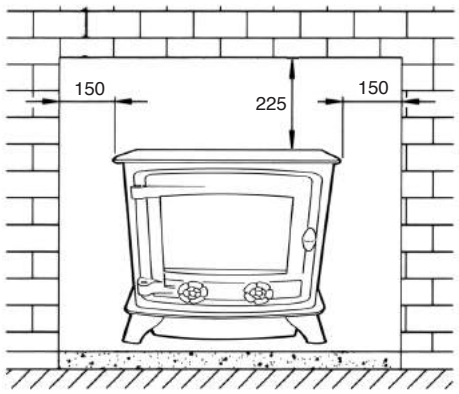
MINIMUM CLEARANCE

7.2 The appliance is not suitable for installation against a combustible wall. All combustible materials must be removed from behind the appliance.

7.3 Ensure that all minimum clearances to combustible materials are complied with**,** see Diagrams 7 and 8.

The specified clearances provide the minimum distance to combustible materials. If the appliance is intended to be installed into a non-combustible opening the clearance to the **sides and above** the appliance can be reduced. However, it is recommended that the specified clearances are maintained irrespective of the materials used in the construction of the opening to allow adequate air flow and access to controls. **The clearance at the rear of the appliance must always be a minimum of 50mm.**

7



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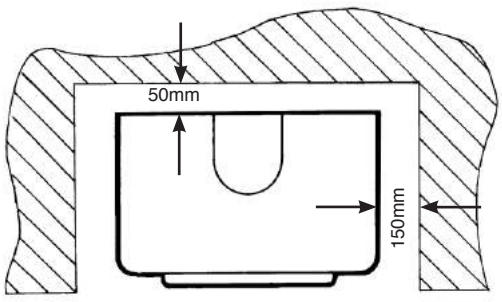


7.4 **In a non-combustible recess be careful to allow enough clearance at the sides and rear of the appliance to perform spillage tests and reach the controls**.

Installation Instructions

1. Safety Precautions

1.1 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.**

1.2 These instructions must be left intact with the user.

1.3 Do not attempt to burn rubbish on this appliance.

1.4 Keep all plastic bags away from young children.

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

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

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

FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SERVICING, SECTION 12, REPLACING PARTS.

Unpacking

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

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

2. Upgrading the Appliance

2.1 The appliance is fitted with a control valve that can easily be upgraded to battery powered remote control.
There are two versions of this control which can be obtained through your local Yeoman stockist.
There is no requirement for this upgrade to be carried out by an approved Gas engineer. However Yeoman recommend that this task is undertaken by a suitably competent person.

2.2 This upgrade can be fitted before or after installation but if side clearances are limited then it will be easier to upgrade the appliance before installation. Full instructions are included with the kit.

Standard Remote Control (PART NUMBER 8455)

2.3 This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again.
It can turn the main burner off leaving the pilot burning.

Thermostatic and Timer Remote Control (PART NUMBER 8456)

2.4 This remote control can control the gas appliance after the pilot has been lit.

MANUAL MODE

Can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner off leaving the pilot burning.

AUTO MODE

Will automatically regulate the room to a pre-set temperature.

TIMER MODE

Will turn the appliance on and off according to a pre-set programme and automatically regulate the room temperature during the two on periods.

3. Installation of the Appliance

3.1 **REFER TO SITE REQUIREMENTS FOR ALL FLUE OPTIONS.**

This appliance is suitable for TOP or REAR flue exit.

Adjust the balance of the appliance using the bolts in the legs to make it level.

3A. Rear Exit - Horizontal flue

3.2 **Wall thickness:** **MIN = 200mm**
MAX = 550mm

3.3 Unpack the adjustable flue assembly and terminal guard.

3.4 Do not lose the fixings.

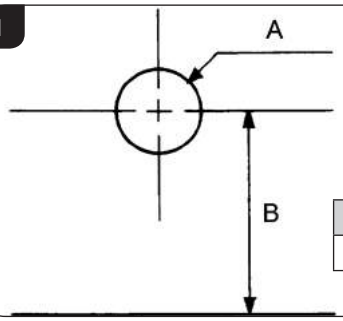
3.5 Consider the final appliance position ensuring you comply with clearances required for the external flue, see Site Requirements, Section 1.

3.6 Mark the vertical centre-line of the appliance on the wall, see Diagram 1, A.

3.7 Mark the height from the top of the hearth to the centre of the flue, see Diagram 1, B.

TAKE CARE TO MARK OUT THE FLUE CORRECTLY. IT IS DIFFICULT TO MOVE AFTER INSTALLATION.

1



	A	B
Dartmoor	152	444

Flue Aperture

3.8 Create a 152mm (6") diameter hole for the flue using either:

a) a core drill, or
b) a hammer and chisel
(We advise drilling small holes around the circumference for method b).

3.9 Make good at both ends of the hole.

Flue Length

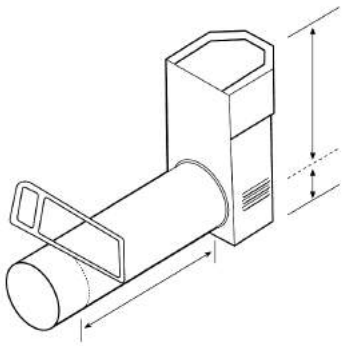
3.10 Measure the total wall thickness and add 65mm.

3.11 The total flue length gives a minimum clearance of 50mm between the rear of the appliance and the wall.

3.12 Insert the square cardboard sleeve into the flue to support the inner tube.

3.13 Cut through the flue and sleeve, see Diagram 2.

2



3.14 **REMOVE THE CARDBOARD REMNANTS FROM THE FLUE.**

3.15 File the cut edges smooth.

Terminal

On the outside wall:

3.16 Position the flue assembly into the hole. The terminal should be flat against the wall.

3.17 Make sure the terminal is vertical, see Diagram 3, arrow A.

3.18 Mark the four fixing holes.

3.19 Remove the terminal to drill the holes.

3.20 Insert wall plugs supplied.

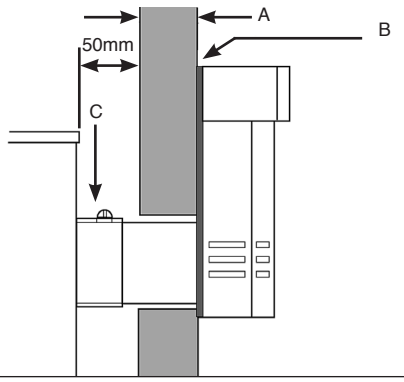
DO NOT FIX THE FLUE AT THIS STAGE.

Flue and Appliance Fixings

3.21 Position the appliance observing appropriate clearances.

3.22 Apply a bead of suitable weatherproof sealant (silicone or similar) to perimeter of back face of terminal, see Diagram 3, arrow B.

3



3.23 Feed the flue through the wall, making sure it runs smoothly.

On the inside wall:

3.24 Engage the flue in the inner and outer spigots.

3.25 Make sure rubber seals on the spigots are not damaged.

From outside:

3.26 Insert four screws in the flanges of the flue terminal.

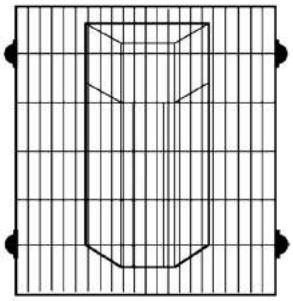
3.27 Check sealant has formed a water-tight joint to the wall.

From inside:

3.28 Secure the flue to the spigot by drilling a 3.5 mm hole through the larger hole in the spigot and insert the stainless steel screw supplied, see Diagram 3, arrow C.

3.29 Any terminal less than 2m above any access (level ground, balcony or flat roof with access) must be fitted with the guard supplied, see Diagram 4.

4



Installation Instructions

3B Top Exit - Up & Out

3.30 There are two types of top exit flue terminals: vertical and horizontal (see Site Requirements, Diagram 3, for minimum and maximum flue lengths).

3.31 **A restrictor must be fitted with vertical flues. See chart below for restrictor sizes.**

Vertical Flue Height	Horizontal Length	Restrictor Size
500mm - 1499mm	250mm - 1000mm	No restrictor
1500mm - 3000mm	250mm - 5000mm	Ø 75mm

Wall Plate

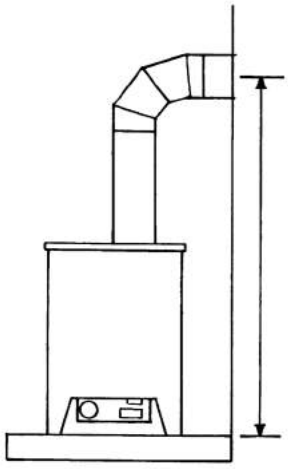
3.32 A wall plate is supplied to secure the flue to the inside wall. Bend the securing tab to 90° and slot the plate over the flue before bringing the flue through the wall.

3.33 Mark the fixing holes using the wall plate as a template The tab can be above or beneath the flue, see Diagram 6.

Flue Aperture

3.34 Mark the height from the top of the hearth to the centre of the horizontal section, see Diagram 5.

5



3.35 **TAKE CARE TO MARK OUT THE FLUE CORRECTLY. IT IS DIFFICULT TO MOVE AFTER INSTALLATION.**

3.36 Create a 152mm (6") diameter hole for the flue using either:
a) a core drill, or
b) a hammer and chisel

3.37 Make good at both ends of the hole.

Flue Length

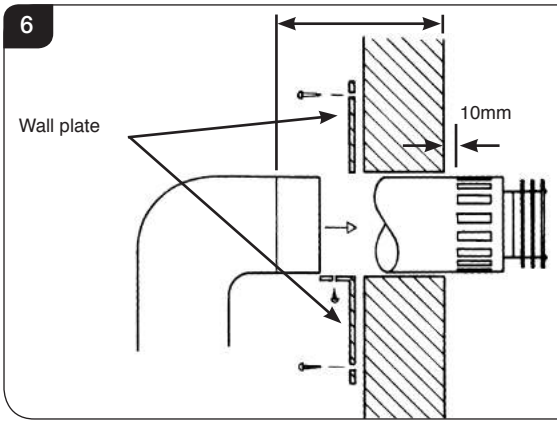
3.38 The final length of the flue pipe includes the terminal. The terminal is the only section that can be shortened.

DO NOT SHORTEN ANY OTHER SECTION OF FLUE PIPE.

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

3.40 Fit horizontal flue section between the elbow and the terminal at this stage, if required, see Diagram 6.

6

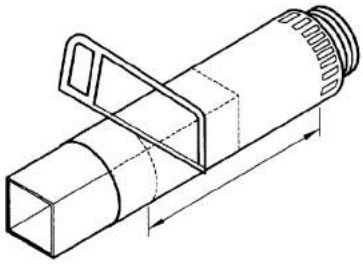


3.41 Mark the correct length all the way around the flue terminal section, see Diagram 7.

3.42 Insert the square cardboard sleeve into the flue to support the inner tube.

3.43 Cut through the flue and sleeve, see Diagram 7.

7



3.44 **REMOVE THE CARDBOARD REMNANTS FROM THE FLUE.**

3.45 File the cut edge smooth.

Flue and Appliance Fixings

3.46 Pull appliance and flue assembly away from the hearth.

3.47 Drill four fixing holes for the wall plate and insert wall plugs supplied.

3.48 Put the horizontal flue onto the elbow and reposition the appliance.

3.49 Check the flue runs smoothly through the wall.

3.50 Fix the wall plate to the wall using the four black screws provided.

3.51 Drill through the fixing tab of the wall plate using a 3.5mm drill.

3.52 Secure with the screw provided.

3.53 Make good and weatherproof around the outside of the flue.

3C. Top Exit – Vertical Flue

3.54 Where a vertical only flue system has been purchased, refer to Installation & Instructions, Site Requirements, Section 4D.

3.55 Pay careful attention to the following:

Terminal positions
Flue supports
Weatherproofing
Fire precautions

3.56 Local and national codes of practice must be followed for all the above.

TOP EXIT – VERTICAL ONLY, INCLUDING OFFSET

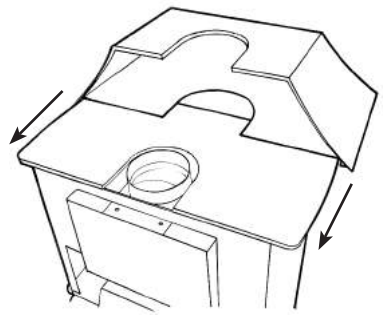
3.57 **A restrictor must be fitted with vertical flues. See chart below for restrictor sizes.**

Vertical Flue Height	Restrictor Size
3000 - 4999mm	Ø 52mm
5000mm - 10,000mm	Ø 47mm

4. Canopy Fitting

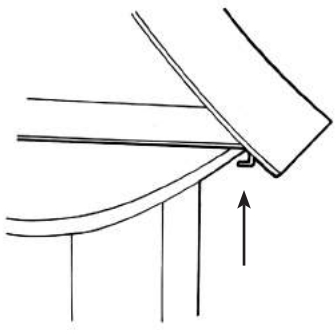
4.1 To fit the canopy to the top of the appliance slide the canopy over the top plate, see Diagram 8.

8



4.2 Make sure the appliance top fits into the guide along the bottom of the canopy, see Diagram 9.

9



4.3 Push the canopy back until it hits the stop.

4.4 Make sure the canopy sits square on top of the appliance.

5. Gas Soundness Pressure Check

Having run the gas supply to the appliance, PURGE THE SUPPLY PIPE, this is essential to expel any debris that may block the gas controls.

5.1 Connect the gas to the 8mm elbow on the rear of the appliance.

5.2 Connect a suitable pressure gauge to the test point located on the inlet fitting and turn the gas supply on. Light the appliance and check all gas joints for possible leaks. Turn the appliance to maximum and check that the supply pressure is as stated on the databadge. Turn the gas off and replace the test point screw, turn the gas on and check the test point for leaks.

6. Removing the Glass

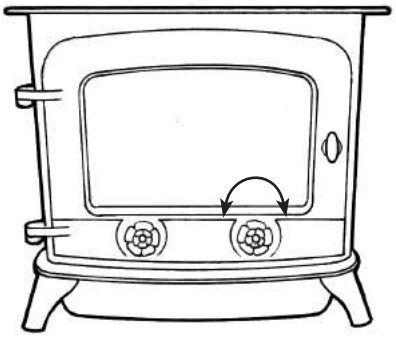
IMPORTANT: THE OUTER PANELLING OF THE APPLIANCE IS MADE FROM CAST IRON. USE CAUTION WHEN INSTALLING, REMOVING AND STORING AS THE COMPONENTS ARE HEAVY AND SHOULD BE HANDLED CAREFULLY.

6.1 Make sure the fire and surrounds are cool before cleaning.

Single Door

6.2 To open the door and access the interior turn the right-hand rosette 90^{o}, see Diagram 10.

10



6.3 Pull the door open

Installation Instructions

Double Door

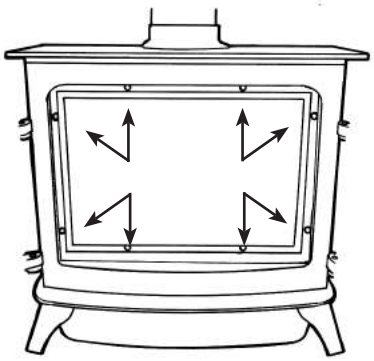
6.4 To open the door turn the knob on the right door to release the catch, see Diagram 11.

11

All Models

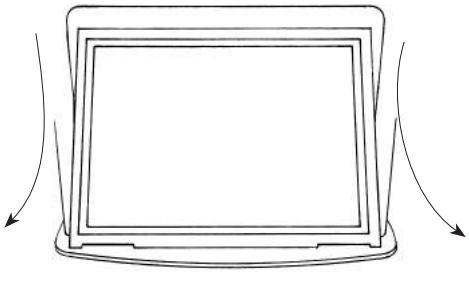
6.5 Remove the glass frame by undoing the eight screws, see Diagram 12.

12



6.6 Lower the frame down to clear the top edge before lifting clear, see Diagram 13.

13



6.7 Place carefully to one side.

7. Arrangement of Fuel Bed

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.

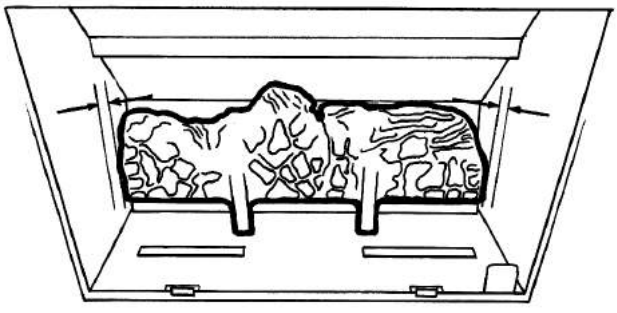
Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

8. Log Layout

8.1 The fuel bed consists of 5 logs and 2 ash panels. The logs have letters A, B, C, D and E moulded into them for identification.

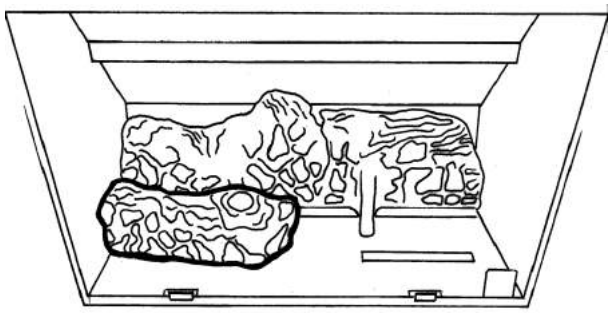
8.2 Take the rear log A and place it up against the rear of the appliance sitting on the two flat ledges of the burner. The two legs of the log should sit between the rear burner ports, see Diagram 14. Ensure there is an equal gap between the sides of the firebox at each end of the log.

14



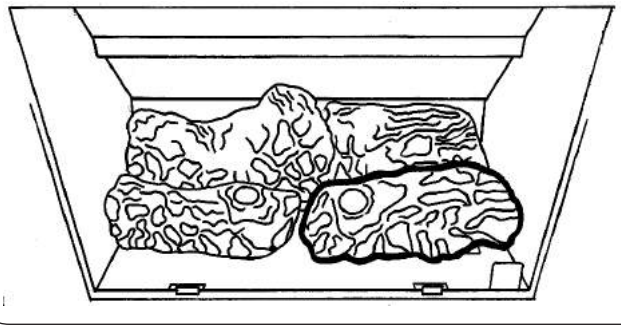
8.3 Place log B on the left-hand side of the burner with the location bar on its underside slid into the long slot of the burner. Make sure the log is as far left as possible, see Diagram 15.

15



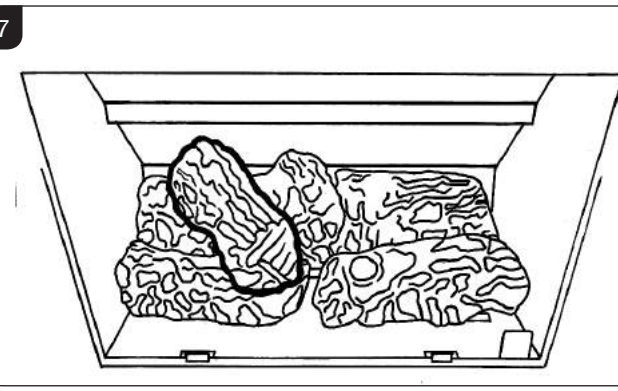
8.4 Place log C on the right-hand side of the burner with the location bar on its underside slid into the long slot of the burner. Make sure the log is as far right as possible, see Diagram 16.

16



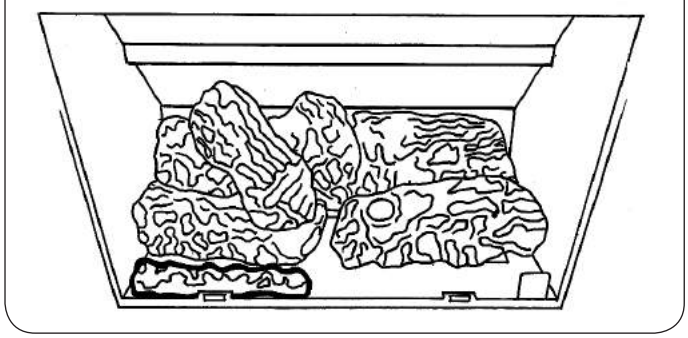
8.5 Place log D across from the rear log A to log B on the left-hand side. There are cut-outs in both logs for location, see Diagram 17.

17



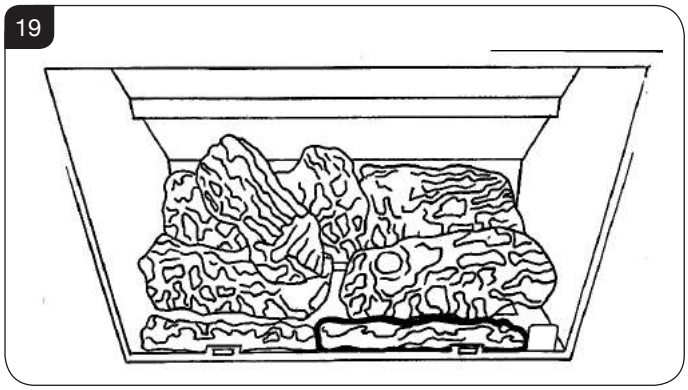
8.6 There are two ash panels which lay across the front of the burner. Place the panel with the flat edge facing the left side of the firebox. There are location holes on this log which fit over the screw holes on the burner.

18



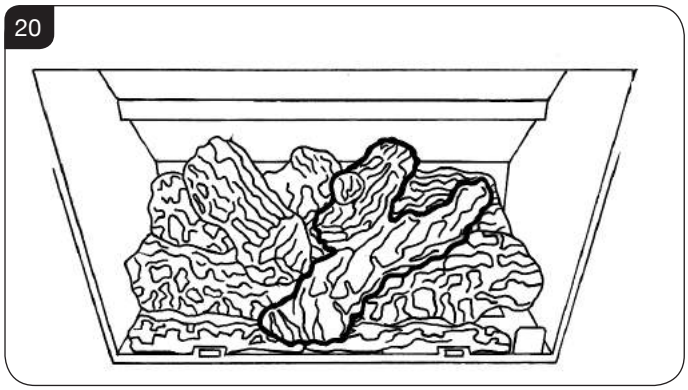
8.7 Place the second ash panel to the right of the first, with the pointed end of the panel fitting the V shape and fitting the screw holes on the burner. Ensure that both logs are horizontal to the burner ports.

19



8.8 Place log E across from the rear of log A to log C on the right-hand side using the shaped cut-outs as location guides. The front of the log should sit on the front ash panels and should fit tight to log C, see Diagram 20.

20

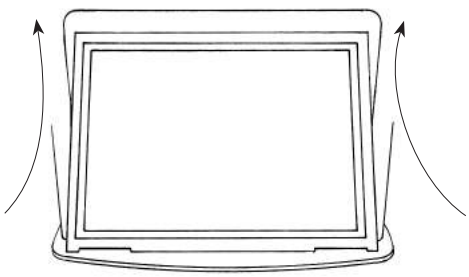


Installation Instructions

9. Completion of Assembly

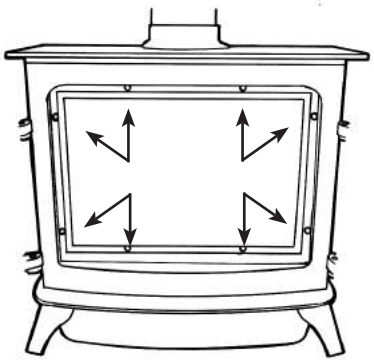
9.1 Ensure that the rope seal on the back of the glass frame is intact and manoeuvre the frame under the top edge to secure in place, see Diagram 21.

21



9.2 Replace the 6 screws working from the top down. Tighten the screws evenly. **DO NOT OVER TIGHTEN**, see Diagram 22.

22



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

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

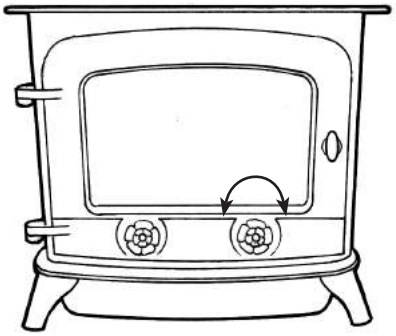
NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED, OR THE GLASS IS BROKEN.

Single Door

9.4 Push the door closed.

9.5 Turn the right-hand rosette until the catch holds the door firmly, see Diagram 23.

23

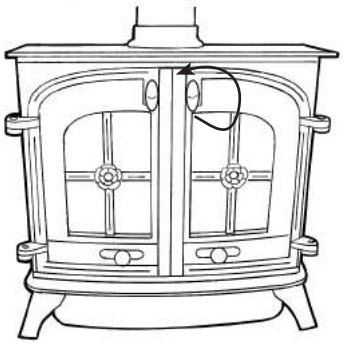


Double Door

9.6 Push the door closed.

9.7 Turn the knob on the right door until the catch holds the door closed, see Diagram 24.

24



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

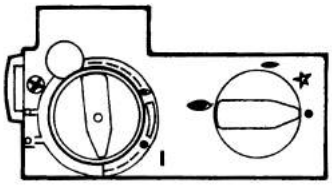
10. Operating the Appliance

10.1 The control valve is at the foot on the right-hand side of the appliance. It has two controls, see Diagram 25:

1. The right-hand knob controls the pilot ignition

2. The left-hand knob controls the main burner

25



10.2 Refer to separate instructions if your appliance is upgraded to include battery remote control. The instructions below apply whether or not you have the remote upgrade.

Lighting the Pilot

10.3 To start the left-hand and right-hand control knobs must both point to off (●):

10.4 Press in the right-hand control knob and rotate anti-clockwise until a click is heard. Continue to press in. The knob points to the pilot (▬).

The pilot is lit.

10.5 Keep the knob depressed for 10 seconds before releasing. The pilot remains lit.

Repeat the above steps if the pilot does not stay lit.

NOTE: If the pilot goes out, the Interlock system prevents you lighting again for a short period.

10.6 If, after repeating the above steps the pilot does not light, contact your Retailer or Installer.

10.7 Turn the right-hand knob to the left to main burner setting (▰).

Adjusting the Flame height

10.8 You can now adjust the flame height and temperature using the left-hand control knob.

10.9 Turn the left-hand knob anti-clockwise to increase the flame height.

10.10 Turn clockwise to decrease the height.

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.

Commissioning

1. Commissioning the Appliance

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

— Flue checks

— Gas checks

— Log layout - flame picture

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

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

a) Regular servicing (Section 10 of the User Instructions).

b) Ventilation (Section 11 of the User Instructions) - point out the ventilation positions where applicable.

c) Hot surfaces (Section 13 of the User Instructions).

Servicing/Fault Finding Charts

1. Servicing Requirements

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

1.1 **Before Testing:**

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

1.2 **Special checks:**

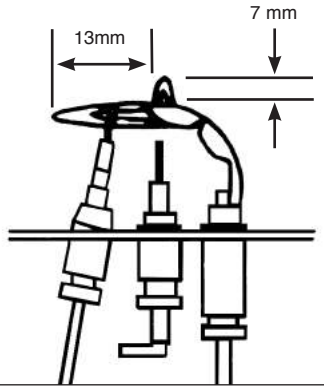
—Clean the burner using a vacuum cleaner with a soft brush attachment. Ensure all debris is removed from the burner ports.
—Clean away lint or fluff from the pilot.
—Clean away lint or fluff from under the burner.
—Check the spark gap on the pilot is correct, Diagram 1.
—Ensure that the glass frame is secured correctly and that all retaining screws are in place.

1.3 Correct any faults found during the initial test.

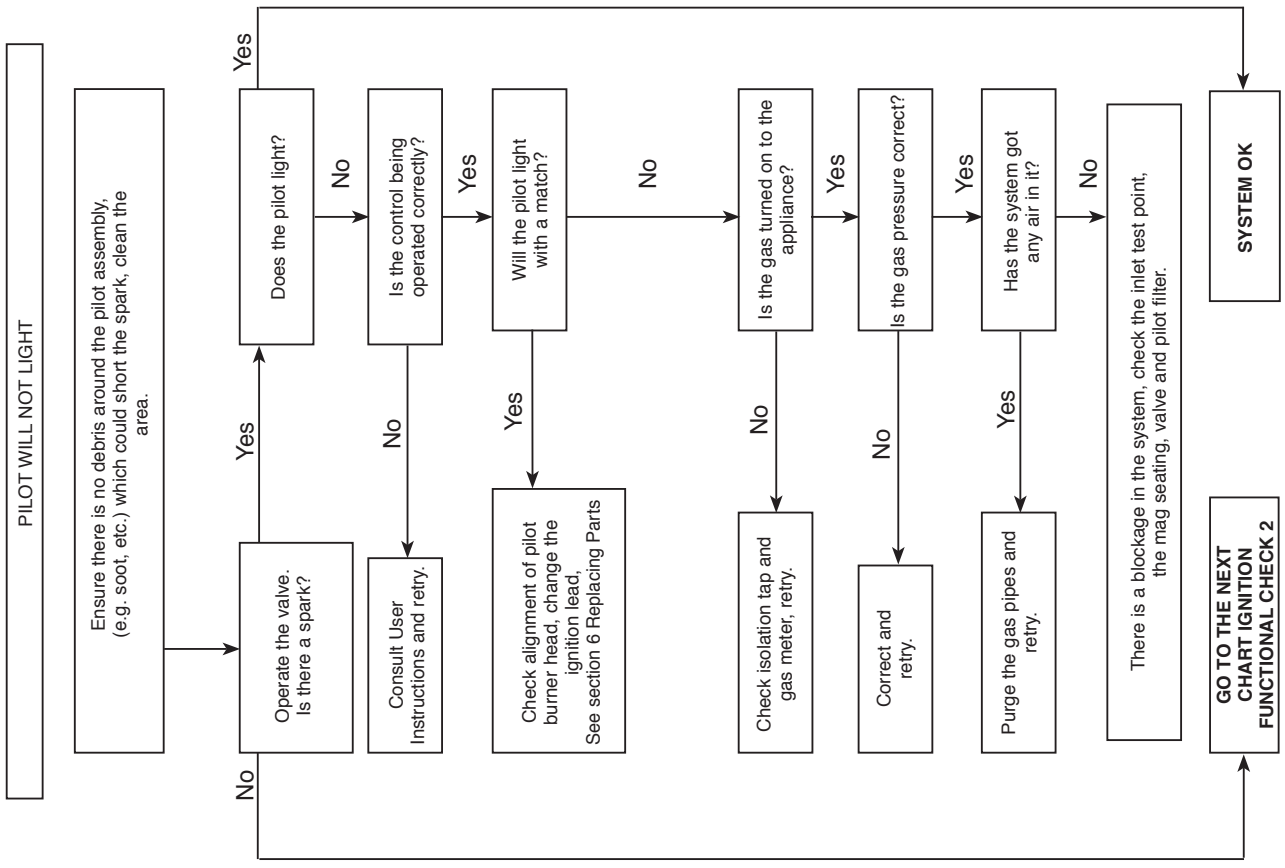
1.4 Re-commission the appliance in accordance with Commissioning Procedures.

1.5 Advise the customer of any remedial work undertaken.

1



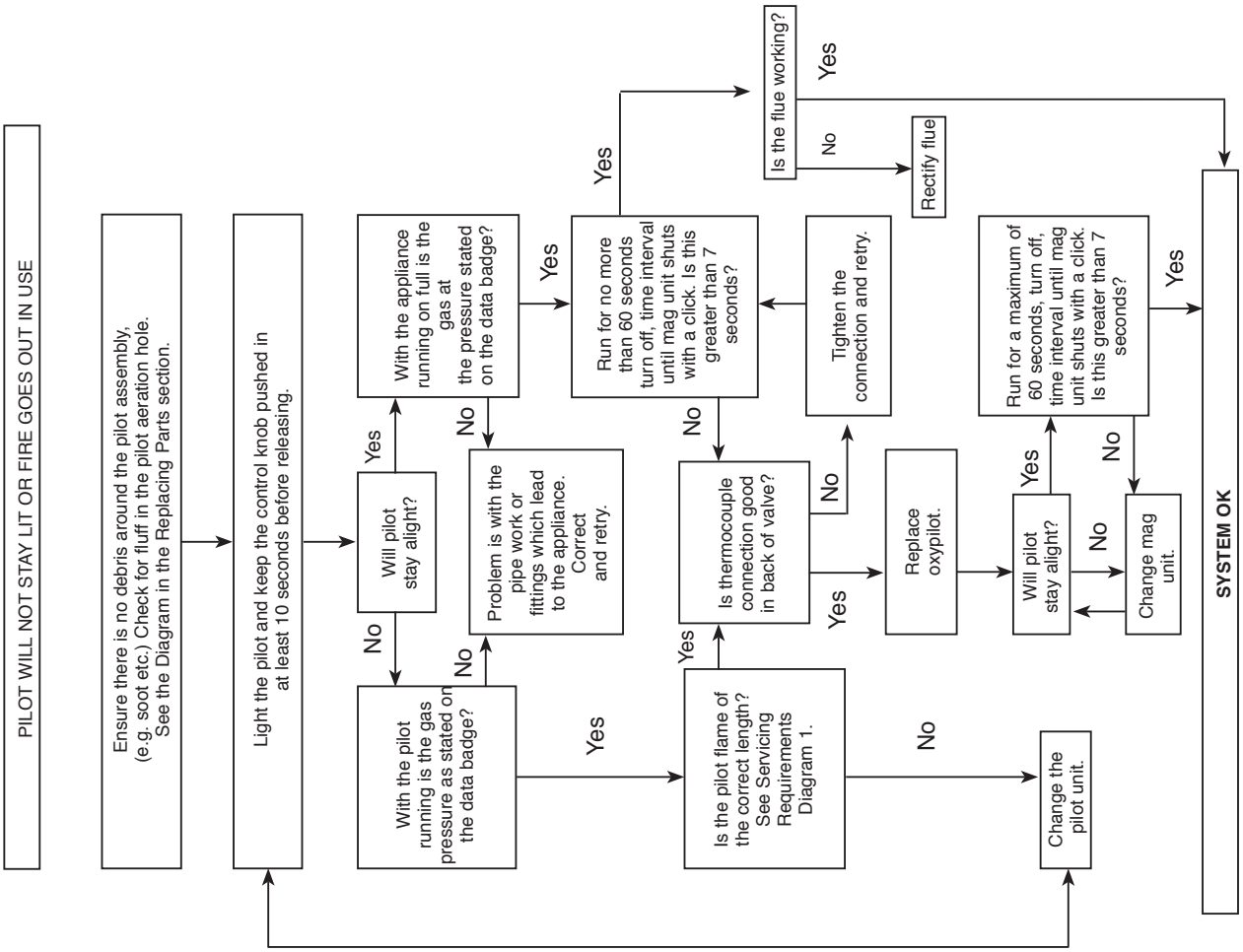
IGNITION FUNCTIONAL CHECK 1



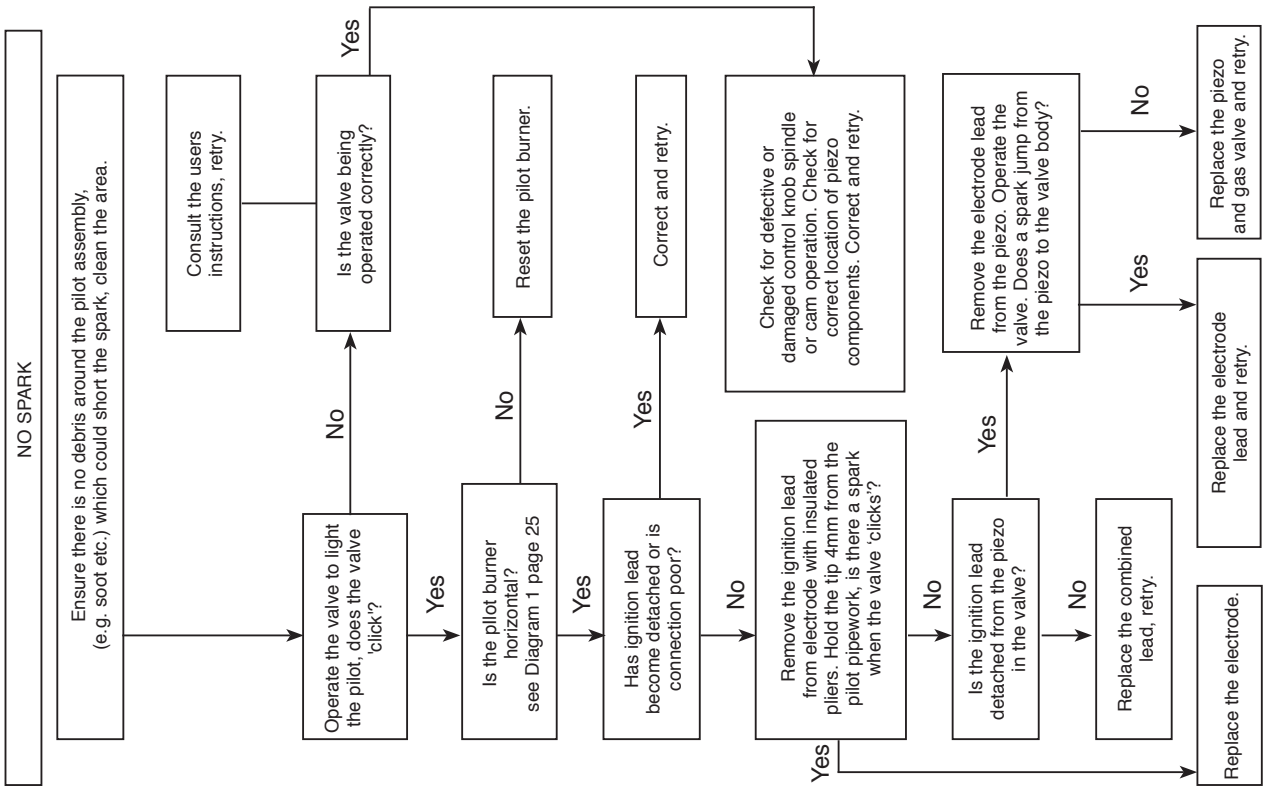
Servicing Instructions

Fault Finding Charts

FLAME FAILURE FUNCTIONAL CHECK 3



IGNITION FUNCTIONAL CHECK 2



Servicing Instructions - Replacing Parts

1. General

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

1.2 Ensure the appliance and surrounds are cool before servicing.

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

1.3 **Removal of Flue**

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

2. Decorative Front

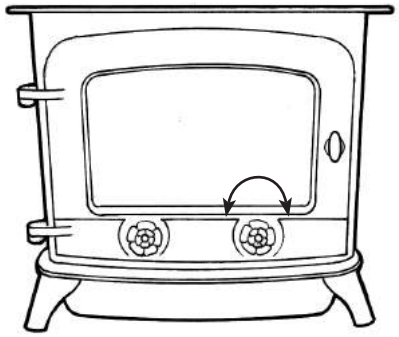
IMPORTANT: THE OUTER PANELLING OF THE APPLIANCE IS MADE FROM CAST IRON. USE CAUTION WHEN INSTALLING, REMOVING AND STORING AS THE COMPONENTS ARE HEAVY AND SHOULD BE HANDLED CAREFULLY.

2.1 Make sure the fire and surrounds are cool before servicing.

Single Door

2.2 To open the door and access the interior turn the right-hand rosette 90^{O}, see Diagram 1.

1



2.3 Pull the door open.

Double Door

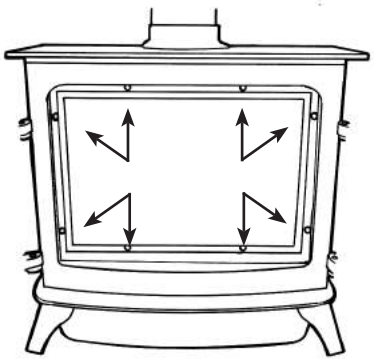
2.4 To open the door turn the knob on the right door to release the catch, see Diagram 2.

2

3. Window Frame Assembly

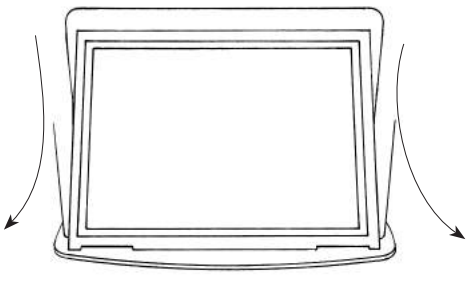
3.1 Remove the glass frame by undoing the eight screws, see Diagram 3.

3



3.2 Lower the frame down to clear the top edge before lifting clear, see Diagram 4.

4



3.3 Place carefully to one side.

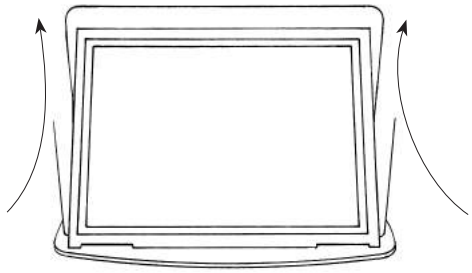
3.4 Refit in reverse order.

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

Servicing Instructions - Replacing Parts

3.5 Ensure that the rope seal on the back of the glass frame is intact and manoeuvre the frame under the top edge to secure in place, see Diagram 5.

5



3.6 Replace the 6 screws working from the top down. Tighten the screws evenly. **DO NOT OVER TIGHTEN**, see Diagram 3.

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

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

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

4. Main Burner

4.1 Turn the gas supply off at the isolation device.

4.2 Open the door. Carefully remove the window frame assembly and place to one side, see Section 3.

4.3 Carefully remove the ceramic fuel bed components.

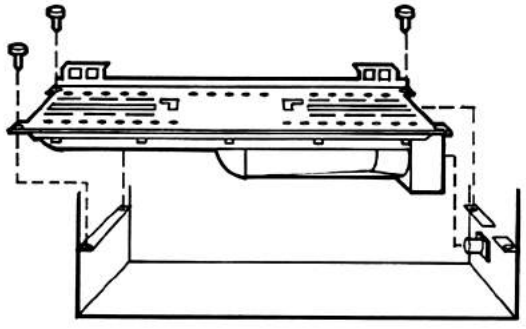
4.4 Remove the 3 securing screws, 2 at the rear and 1 at the front left hand side, see Diagram 6.

The burner venturi is engaged over the injector. When removing the burner be sure to clear the injector, this will release the right hand side of the burner.

Take care when removing the burner so as not to damage the pilot burner.

4.5 Raise the left hand side of the burner to clear the bracket, draw the left hand side forward.

6



4.6 To replace the burner, engage the venturi over the injector ensuring the burner sits on top of the fixing bracket. Push the burner to the right and whilst holding, insert the three fixing screws.

NOTE: BEFORE REPLACING THE BURNER, ENSURE THE SILICONE SEAL AROUND THE INJECTOR IS INTACT AND CHECK THAT VENTURI COVER IS ATTACHED.

5. Pilot Unit

The pilot assembly consists of five components, which can be individually changed, these are:

5a) Pilot burner bracket
5b) Pilot injector
5c) Electrode
5d) Thermocouple
5e) Gasket.

5.1 Turn the gas supply off at the isolation device.

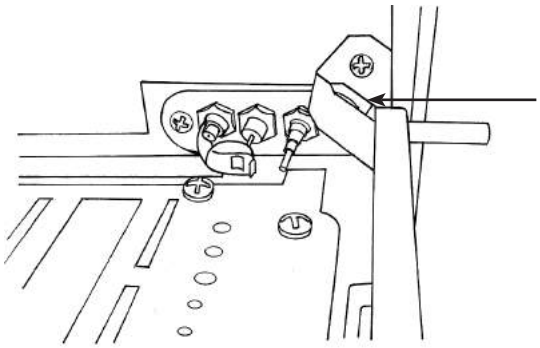
5.2 Open the door. Carefully remove the window frame assembly and place to one side, see Section 3.

5.3 Carefully remove the ceramic fuel bed components.

5.4 Remove the main burner, see Section 4.

5.5 Remove the thermocouple baffle taking note of how it is positioned, see Diagram 7.

7

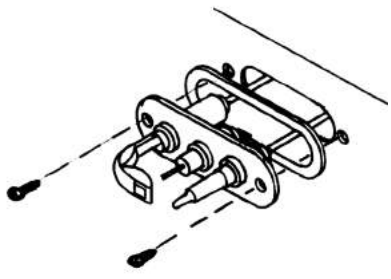


5a. Pilot Burner Bracket

5.6 Remove the 2 fixing screws from the pilot bracket, see Diagram 8. Gently draw the assemble away from the firebox to give access to the nuts and ignition lead.

NOTE: TAKE CARE NOT TO DAMAGE THE GASKET.

8

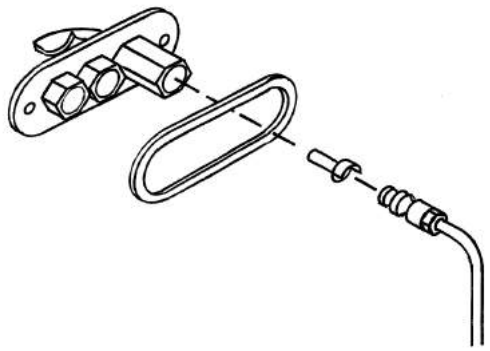


Servicing Instructions - Replacing Parts

5b. Pilot Injector

5.7 Undo the compression nut on the pilot feed pipe and withdraw the injector which will be hooked onto the olive. When replacing an injector always make sure it is hooked onto the olive before inserting it into the pilot burner, see Diagram 9.

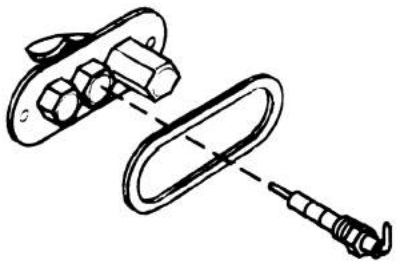
9



5c. Electrode

5.8 Disconnect the ignition lead and undo the retaining nut. The electrode can now be removed, note the orientation of the electrode terminal when reassembling, see Diagram 10.

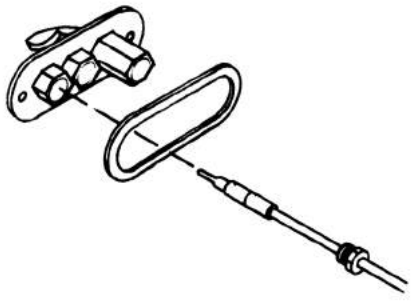
10



5d. Thermocouple

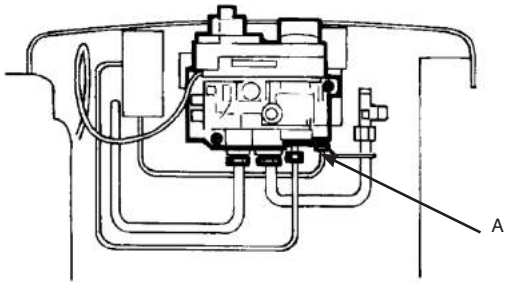
5.9 Undo the retaining nut and withdraw the thermocouple, see Diagram 11.

11



5.10 Undo the thermocouple from the back of the gas valve, see Diagram 12.

12



5.11 Reassemble in reverse order. Do not overtighten.

5e. Gasket

5.12 Disconnect all the above components and withdraw the gasket. If it is damaged, replace with a new item. **Always replace the gasket first when reassembling the pilot components.**

6. Ignition Lead

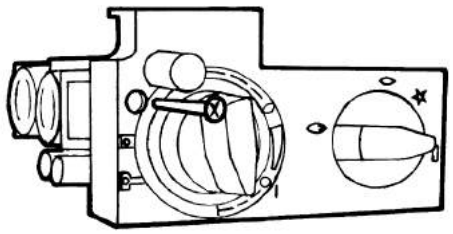
6.1 To access the back of the pilot assembly, see Section 5.

6.2 Disconnect the ignition lead from the electrode.

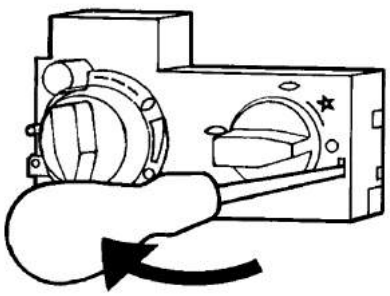
6.3 Remove the front cover from the control valve by removing the retaining screw, see Diagram 13 and gently levering clear with flat bladed screwdriver, see Diagram 14.

NOTE: There is a small cylindrical metal spacer inside the cover, this must be kept and replaced on the fixing screw on re-assembly.

13



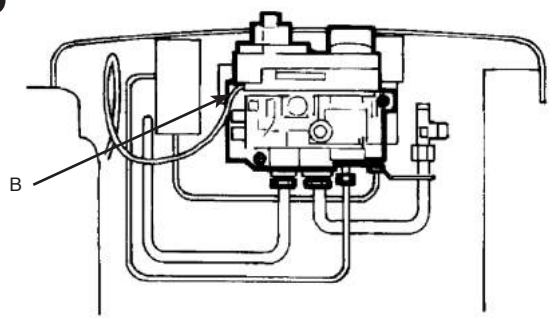
14



Servicing Instructions - Replacing Parts

6.4 Disconnect the end of the ignition lead from the valve body, see Diagram 15, Arrow B, note the existing route of the ignition lead.

15



6.5 Replace with a new ignition lead following the same route as the old one.

6.6 Replace the valve cover and the pilot assembly.

6.7 Check operation of the new ignition lead.

7. Piezo

7.1 The piezo assembly used on this appliance is not serviceable and is not likely to fail.

7.2 If a new piezo is required it will be necessary to change the valve, see Section 8.

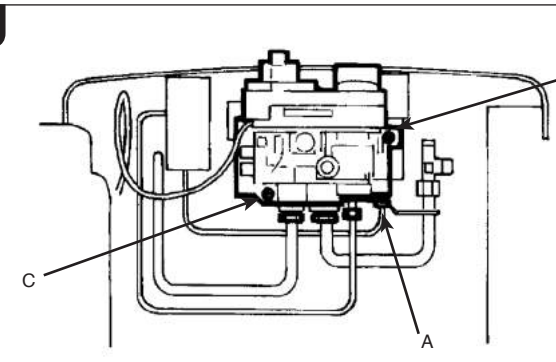
8. Gas Valve

8.1 Turn the gas supply off at the isolation device.

8.2 Disconnect the 2 x 8mm and 1 x 4mm gas pipe fittings at the back of the gas valve.

8.3 Disconnect the thermocouple, see Diagram 16, Arrow A.

16



8.4 Remove the control valve cover and disconnect the ignition lead from the gas valve, see Section 6.

8.5 Undo the 2 bolts securing the gas valve to the appliance and remove the valve, see Diagram 16, Arrow C.

8.6 Replace in reverse order.

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

9. Magnetic Safety Valve

9.1 Turn the gas supply off at the isolation device.

9.2 Undo the thermocouple connection from the back of the gas valve.

9.3 Undo the magnetic valve retaining nut at the back of the control valve, see Diagram 16, Arrow A.

9.4 Gently tap out the magnetic valve and replace with a new unit.

9.5 Replace the retaining nut and tighten.

9.6 Secure the thermocouple in the rear of the gas control. (Do not over tighten).

9.7 Turn the gas supply on and check the entire pipe work and valve joints for any leaks.

10. Main Injector

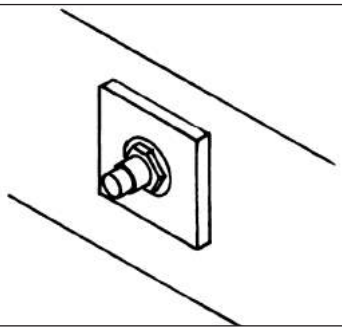
10.1 Turn the gas supply off at the isolation device.

10.2 Remove the main burner, see Section 4.

10.3 Undo the compression nut from the feed pipe at the gas control under the appliance.

10.4 Working from inside the firebox, remove the lock nut from the injector, see Diagram 17.

17



10.5 Extract the injector with the feed pipe from beneath the appliance.

10.6 Holding the injector with a spanner, undo the feed pipe. **NOTE: THE ORIENTATION OF THE INJECTOR.**

10.7 Reassemble in reverse order,

10.8 Turn on the gas supply and check for any leaks.

Servicing Instructions - Replacing Parts

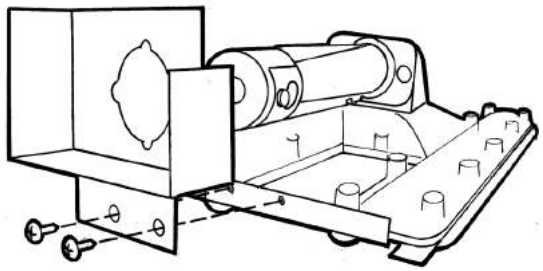
11. Primary Aeration Plate

11.1 Turn the gas supply off at the isolation device.

11.2 Remove the main burner, see Section 4.

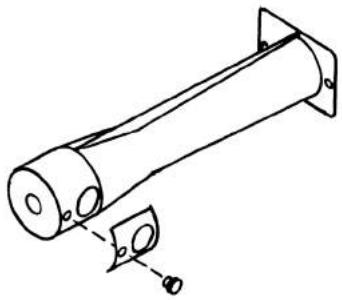
11.3 Remove the 2 screws on the burner skin to detach the venturi cover from the venturi. Slide the venturi cover off the venturi, see Diagram 18.

18



11.4 Refer to the technical specification and databadge to check the gas type and its required aeration plate. Change the aeration plate, if necessary.

19



11.5 Reassemble in reverse order with correct aeration plate(s). Note: Even if no aeration plate is required, the small screw(s) must be replaced.

12. Changing Between Gas Types

In order to change between gas types you must change the following items:

- Pilot Injector
- Control Valve**
- Main Injector
- Main Burner
- Aeration Plate (if required)
- Databadge

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

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

13. Control Upgrade

See Installation Instructions, Section 2.

14. Short Spares List

Component	NG	LPG	
	G20	G30	G31
	20mb	29mb	37mb
MAIN INJECTOR	IN0045	IN0030	IN0030
AERATION PLATE	N/A	N/A	ME1350
PILOT INJECTOR	PI0026	PI0015	
BURNER ASSEMBLY	GZ5369	GZ5388	
THERMOCOUPLE	PI0011		
MAGNETIC UNIT	GC0166		
ELECTRODE	PI0053		
PILOT GASKET	PI0052		
GAS VALVE	GC0088K**		
IGNITION LEAD	GC0090		
STANDARD UPGRADE KIT	YM-8455		
THERMOSTAT/ TIMER KIT	YM-8456		

**Note: The control valve is factory preset for correct gas type and model.

Service Records

1ST SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

2ND SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

3RD SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

4TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

5TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

6TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

7TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

8TH SERVICE

Date of Service .....

Next Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

9TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

10TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

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

A member of the Stovax Group
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