



The Devon



**Balanced Flue Gas Stove
For Natural Gas and LPG**

**INSTALLATION, SERVICING
AND USER INSTRUCTIONS**

This product is for use only in Great Britain and Ireland (GB, IE)

These instructions are to be left with the customer, should be read carefully and kept in a safe place.

They will be necessary when servicing the appliance.

IMPORTANT
THIS APPLIANCE MUST ONLY BE OPENED, INSTALLED AND SERVICED BY A
CORGI REGISTERED ENGINEER

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Welcome to Yeoman

Your new Devon gas stove is perhaps the most advanced design of modern stoves. Owning such a stove shows appreciation for exceptional quality.

Please read your manual thoroughly, it's purpose is to familiarise you with your stove, and give guidelines for it's installation, operation and maintenance. If after reading this manual you need further information, please do not hesitate to contact your supplier.

IMPORTANT NOTICE

If your stove is installed correctly, it will give you many years of excellent service for which it was designed. This appliance must be installed by a qualified installer, we recommend that you have a CORGI registered engineer to install your stove for you.

WARNING

All types of heating appliance can be potentially dangerous. Correct installation and operating procedures must be observed when fitting this stove. Some parts of your stove are protected on their surface with heat proof paint. When the stove is first used it is normal for it to emit some light smoke, with an unpleasant smell. Though unpleasant, this is non toxic and is produced only whilst the stove paint fully cures.

We recommend that you ventilate the room until this disappears.

The fuel effect components in this stove are made from Refractory Ceramic Fibre. Please refer to service instructions on page 17 for safe handling and removal.

USER INSTRUCTIONS

1. COMMISSIONING DATA

This information must be completed and signed by the installation engineer.

Flue correct for appliance	Yes / No
Type of Gas Supply	
Installation engineer	
Signature	
CORGI Reg No.	
Installation date	
Flow Rate is	m ³ /h
Meter pressure, all gas appliances on FULL	mbar
Meter pressure, stove on full only	mbar
Length and size of gas supply	
Have controls been upgraded	Yes / No

2. GUARANTEE

All Yeoman stoves are guaranteed for two years against faulty components from the date of purchase, subject to the following conditions:

- That the installation and any additional work to either the flue or the combustion chamber is carried out by a suitably qualified person (e.g. CORGI registered for a gas stove or HETAS approved for a solid fuel stove).
- That the fireplace (if applicable) and flue installation conform to the relevant Building Regulations and British Standards.
- That the correct Yeoman Balanced Flue components are used on Yeoman Balanced Flue stoves.
- That Yeoman's instructions for installation, servicing and cleaning are followed. In particular, all stoves must be serviced at least annually to remain covered by the guarantee. Also the use of petro-cokes in solid fuel stoves will invalidate this warranty.
- This guarantee does not cover wear and tear items, i.e. items that would normally need to be replaced from time to time. These include ceramic components, thermocouple, pilot assembly and ignition leads in the case of gas stoves and glass, firebricks, grates, log retainers, baffles and rope seal in the case of solid fuel stoves.
- This guarantee does not cover any faults arising from installations that do not conform to the manufacturer's instructions.

- To the extent permitted by law, this guarantee is limited to the cost of the replacement of the faulty part or the free of charge replacement of that part; and does not cover any further consequential losses arising.
- The completion and return of Stovax's Warranty Registration Card, which is supplied with your stove.

None of the above restrict your statutory rights.

For your records and to assist us in any guarantee claim please make a note of the Stockist from whom purchased:

Name _____

Address _____

Tel _____

Date Installed _____

Installed by: _____

Address _____

Tel _____

Model Type (see data badge) _____

Serial No. (see data badge) _____

We are pleased that you have chosen a Yeoman stove, which we hope will give you many years of pleasure. Please ensure that you read through your manual thoroughly, as its purpose is to familiarise you with your stove, and give guidelines for its installation, operation and maintenance. If after reading this manual you need further information then please contact your supplier.

USER INSTRUCTIONS

3. SAFETY NOTES

The Devon Balanced Flue gas stove is designed to be used with either Natural Gas or LPG, however each individual appliance is only capable of using the gas specified on the data plate. It is important to note that once a gas type has been specified, the stove cannot be used with any other gas. The type of gas the stove is capable of burning is stated on the data plate located on the front of the stove, by the control knob, check that the appliance has been correctly supplied. Installation of your Yeoman Stove must comply with current Building Regulations. Yeoman Stoves therefore recommend that a CORGI engineer be employed for this task. The engineer will provide you with information about the safety limits of the installation and should fix a notice plate in a place where it can be readily seen, eg: next to the electricity meter.

This appliance must never be operated with the doors open or removed, or if the glass is broken. This appliance is designed as an efficient heating device and consequently all body parts of the stove become very hot in use. Except for the control knob and control access door, which are designed to stay cool, all other parts are working surfaces and should not be touched.

The glass and door on this appliance acts as a fireguard conforming to BS:1945 – 1971 and satisfies the Heating Appliance (Fireguards) Regulations 1991. No part of the glass or door should be permanently removed. It does not give full protection for young children or the infirm, extra protection conforming to BS 6539 or BS 6778 should be considered for these conditions.

Bearing in mind that the heat given off by this appliance may affect articles placed close to it, curtains should not be placed within 300mm.

The appliance is not designed as a dryer. It is not therefore recommended that the appliance be used in such a manner. Do not place any articles within 300mm of the stove as this may result in damage to the articles.

4. OPERATING THE STOVE

IT IS VERY IMPORTANT TO READ THESE INSTRUCTIONS THOROUGHLY BEFORE LIGHTING THE STOVE.

The stove will produce an odour and/or smoke for the first few hours of use when new. Please ventilate the room when first lighting from new. The controls for the stove are located behind the access door positioned under the front of the stove. To access, open the door by pulling from the right hand side.

The Devon Gas Stove operates with a traditional permanent pilot light. The pilot light is located in the front centre of the burner, and is visible through a cutout in the ceramic matrix.

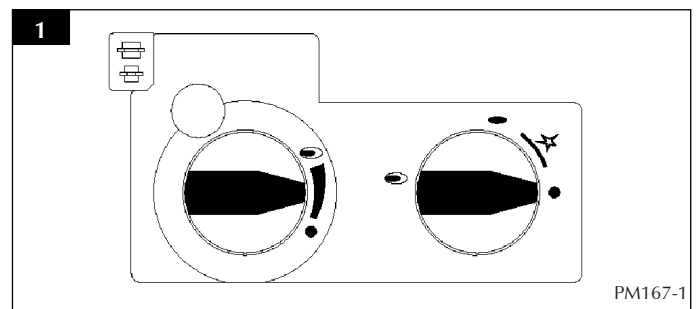
If the Flame Supervision Device Actuating Flame (the Pilot Light) is extinguished either by intention or not, no attempt should be made to relight until 3 minutes have elapsed.

Important: Immediately after lighting, the stove must be left on HIGH for ten minutes in order to warm up the flue.

4.1. REMOTE CONTROL (MANUAL OPERATION)

a) Igniting the Pilot Light

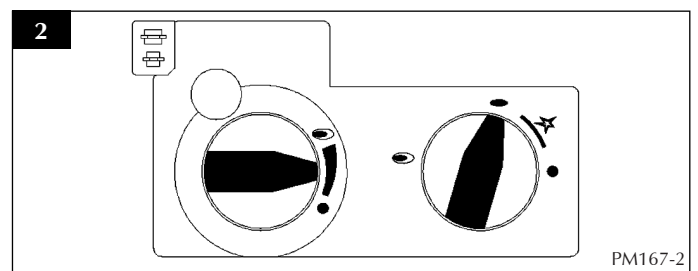
1. Turn the right hand control knob slightly anti-clockwise towards the ignition position until reaching stop, depress and hold for five seconds (only pilot gas flows). See Fig.1.
2. Whilst still depressed, turn further in a anti-clockwise direction to activate the piezo. If the pilot does not light, steps 1 and 2 can be repeated immediately.



3. Continue to keep the knob depressed for a further 10 seconds, after the pilot has been lit.
4. Upon releasing the knob, the permanent pilot will remain lit, if not return to 1.

b) Running the stove at high output

1. Ignite permanent pilot as detailed in 4.1a.
2. Turn the right-hand control knob anti-clockwise to the setting, which shows the larger flame. See Fig. 2.
3. Turn the left-hand control knob anti-clockwise to the highest setting (large flame).
4. The stove is now burning at it's highest operating output.

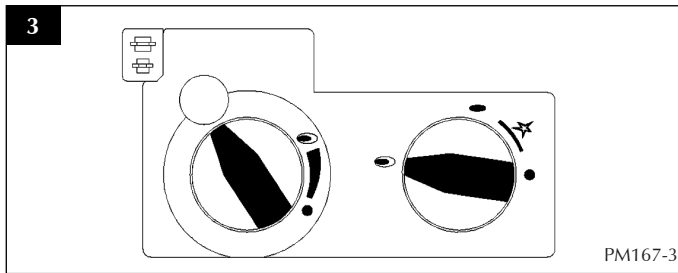


USER INSTRUCTIONS

c) Running the stove at low setting

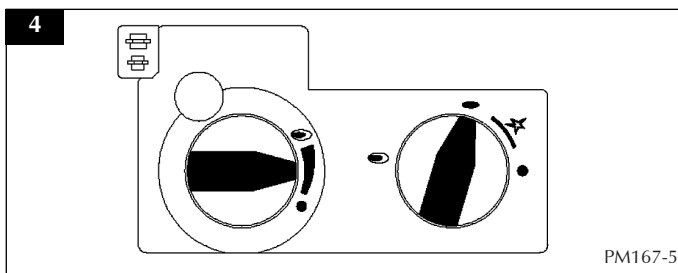
1. Ignite permanent pilot and run stove at "HIGH" setting for a minimum of 10 minutes as shown in Fig. 2.
2. With the left-hand control knob at the highest setting, rotate in a clock-wise direction to the lowest setting (filled circle). See Fig. 3.

The stove is now burning at its lowest operating output.



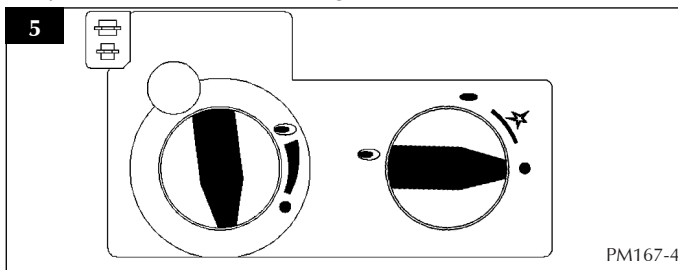
d) Extinguishing the stove back to permanent pilot setting

1. From any heat setting, turn the right-hand knob in a clockwise direction to the "PILOT" position (a smaller flame is shown). See Fig. 4



e) Extinguishing the stove fully

1. From any heat setting, turn to "PILOT" as in figure 4.
2. Depress the same knob slightly and turn clockwise to "OFF" position (filled circle). See Fig. 5.



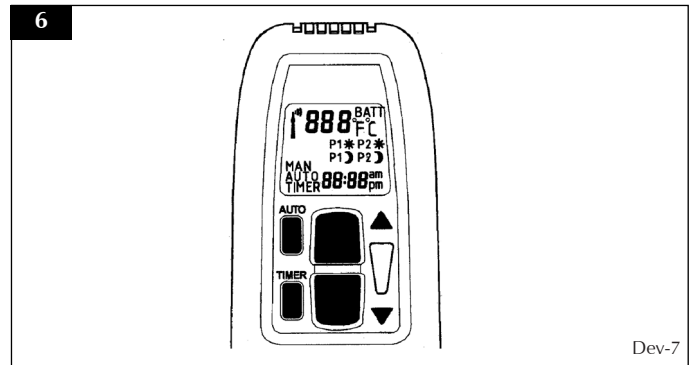
5. TWIN ROTARY CONTROL with OPTIONAL REMOTE

Light the pilot as described in section 4.1a. Turn right hand control anti-clockwise until it is on the large flame setting. You are now able to use the remote control.

To increase the flame, the top button should be pressed. Pressing the lower button on the handset will reduce the flame. It is also possible to turn the main burner all the way down so that it is effectively off, leaving only the pilot ignited.

5.1. TIMER REMOTE CONTROL

TRANSMITTER FUNCTION



SET THE DISPLAY

After connecting the battery or by simultaneously pressing AUTO and TIMER, the display flashes. You are in set mode. From set mode, press AUTO to switch from Degrees F (and 12 hour clock) to degree C (and 24 hour clock) or vice versa. The display will automatically return to manual mode after some time, but you may immediately return to manual by depressing the TIMER button.

SET THE CURRENT TIME.

After connecting the battery or by simultaneously pressing AUTO and TIMER, the display flashes. You are in set mode. From set mode, press ▲ to set the hour and ▼ set the minute.

Wait or press TIMER to return to "manual" mode.

PROGRAMMING THE DESIRED SET TEMPERATURE

Press AUTO until the display flashes.

Press ▲ or ▼ to set the desired temperature.

Wait or press AUTO to switch to automatic mode.

A sensor in the transmitter measures room temperature. The controller compares the room temperature with the set temperature and sends a signal to the receiver to turn the gas valve motor, which adjusts the flame height accordingly.

USER INSTRUCTIONS

PROGRAMMING THE TIMER

Press TIMER until P1* flashes (period 1, heating cycle on).

Set the time for the beginning of the first heating period by pressing ▲ for hour and ▼ for minute.

Press TIMER again; P1) appears.

Set the time for the end of the first heating period.)

Press TIMER again to set the second heating period P2* heat on and P2 (heat off)

Store both heating periods by pressing TIMER again.

If only one period is desired, program the same time for P2* and P 2.)

MANUAL MODE (MAN IN DISPLAY) FOR MANUAL FLAME HEIGHT ADJUSTMENT.

Press ▲ to turn on the fire (main burner) or to increase flame height.

Press ▼ to decrease flame or to turn down to pilot.

To incrementally increase or decrease the flame height lightly tap either the ▲ or ▼ button.

The “send” symbol appears in the upper left corner of the display when either button is depressed.

The LED of the receiver flashes when the larger knob of the valve reaches its end stops.

AUTOMATIC MODE (AUTO IN DISPLAY) FOR TEMPERATURE CONTROL

Briefly press AUTO. The set temperature will appear briefly before the display reverts to the room temperature.

TIMER MODE (TIMER IN DISPLAY)

During heating periods P1* and P2*, the temperature is controlled in the same manner as in automatic mode.

When the timer programme turns to) (heating cycle off), the motor will turn the valve to the pilot and there is no temperature control. This minimises battery consumption.

You may press AUTO to verify the set-temperature and then press TIMER to return to timer mode.

You may press either the ▲ or ▼ button from any mode for manual override.

To prolong battery life, we recommend switching the transmitter to manual mode and turning the fire to pilot with the ▼ button before turning the appliance off. If the transmitter is left in automatic or timer mode, the batteries will continue to be used when the appliance is off.

CHANGING THE BATTERY

If BATT appears in upper right hand corner of the display or if the LED of the receiver becomes faint, please change the battery from the transmitter or receiver. If the batteries lose power, the flame height can be adjusted by manually turning the larger knob.

NOTE

Please note, the placement of the transmitter (temperature sensor) is important to assure proper temperature regulation. Generally, a more constant temperature will be assured, if the transmitter is not too far from the gas appliance. Before switching to AUTO or TIMER mode, press either button ▲ or ▼ to verify reception (when the send symbol appears in the transmitter display, the receiver’s LED must illuminate) For the AUTO or TIMER mode to function correctly, the transmitter must remain within range of the receiver. The transmitter should not be used in very close proximity to the receiver (less than 1m/3ft) as this could, in very rare cases, produce a electronic switching error. This error could block the motor when the larger knob reaches the end points of its turning radius. The knob must then be turned manually to free the blockage.

The temperature is controlled by activating the motor for a specific length of time to adjust the appropriate flame height. This time is calculated by the transmitter and depends on variables such as room size, heater capacity, battery power etc. Therefore, a few cycles are necessary before an optimum is achieved. If a low flame is sufficient to provide enough warmth to the room, then the appliance will cycle between low fire and off. This allows longer periods with the flame on and provides a more uniform room temperature.

It is recommended to turn the combination control either to the off or pilot position if the appliance is left unattended for longer periods (eg. Holidays), so that it cannot receive commands from the remote transmitter. Exercise caution when leaving the appliance unattended, in exceptional cases sound waves from sources other than the transmitter can cause the changes in flame height adjustment.

USER INSTRUCTIONS

6. VENTILATION

The Devon Balanced Flue Stove has no requirement for additional ventilation in the room.

7. ARRANGING THE LAYOUT OF THE COALS

Only the ceramic coals supplied with this appliance are to be used. The coals should only be laid as shown on the following pages. Replacement coals and ceramics are available from your dealer.

The parts required for the coal layout are listed below:

1	Left Hand Ceramic Matrix
1	Right Hand Ceramic Matrix
13	Medium Ceramic Coals
6	Small Ceramic Coals

The type of matrix used is crucial for the correct operation of the stove. Before arranging the coal layout, ensure that the correct type of matrix has been supplied.

Natural Gas Matrix - 50mm in height

LPG Matrix - 35mm in height

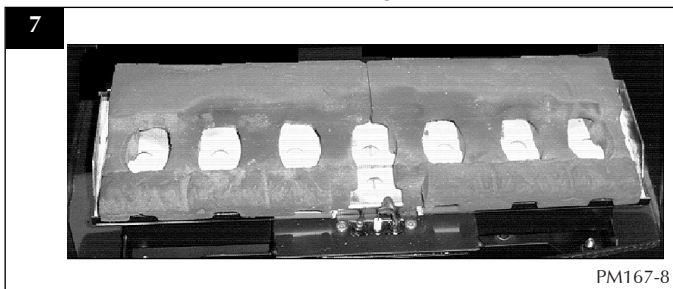
8. PROCEDURE FOR ARRANGEMENT

Ensure that the Pilot Assembly remains unobstructed when arranging the coals. Note that there is a viewing slot in the matrix such that the Pilot Flame will be visible when lit, this must also be kept clear.

Please note that once the stove is lit, the coals become very hot, care must be taken when adjusting coals after the appliance has been lit and Yeoman Stoves accept no responsibility for any injury sustained whilst handling hot ceramics.

STAGE 1

Lay the ceramic mat onto the top of the burner body, then lay the 2 piece ceramic matrix on to the top of the ceramic mat, fully forward with two holes on the burner lining up with one hole in the matrix as shown in Fig 7.



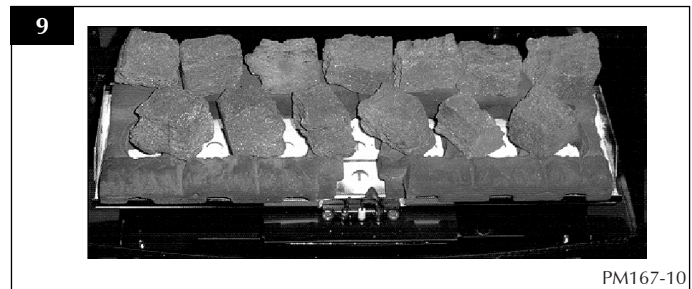
STAGE 2

Place seven medium coals on the rear block of the matrix as shown in Fig. 8.



STAGE 3

Place the six remaining medium coals, one on each spur of the matrix, with the corners of the coals touching as shown in Fig. 9.



STAGE 4

Place six small coals, each one half on top of the first layer and one half on top of the second layer of coals, as shown in Fig. 10.



TECHNICAL SPECIFICATIONS

1. LIST OF COMPONENT PARTS FOR DEVON BALANCED FLUE STOVE

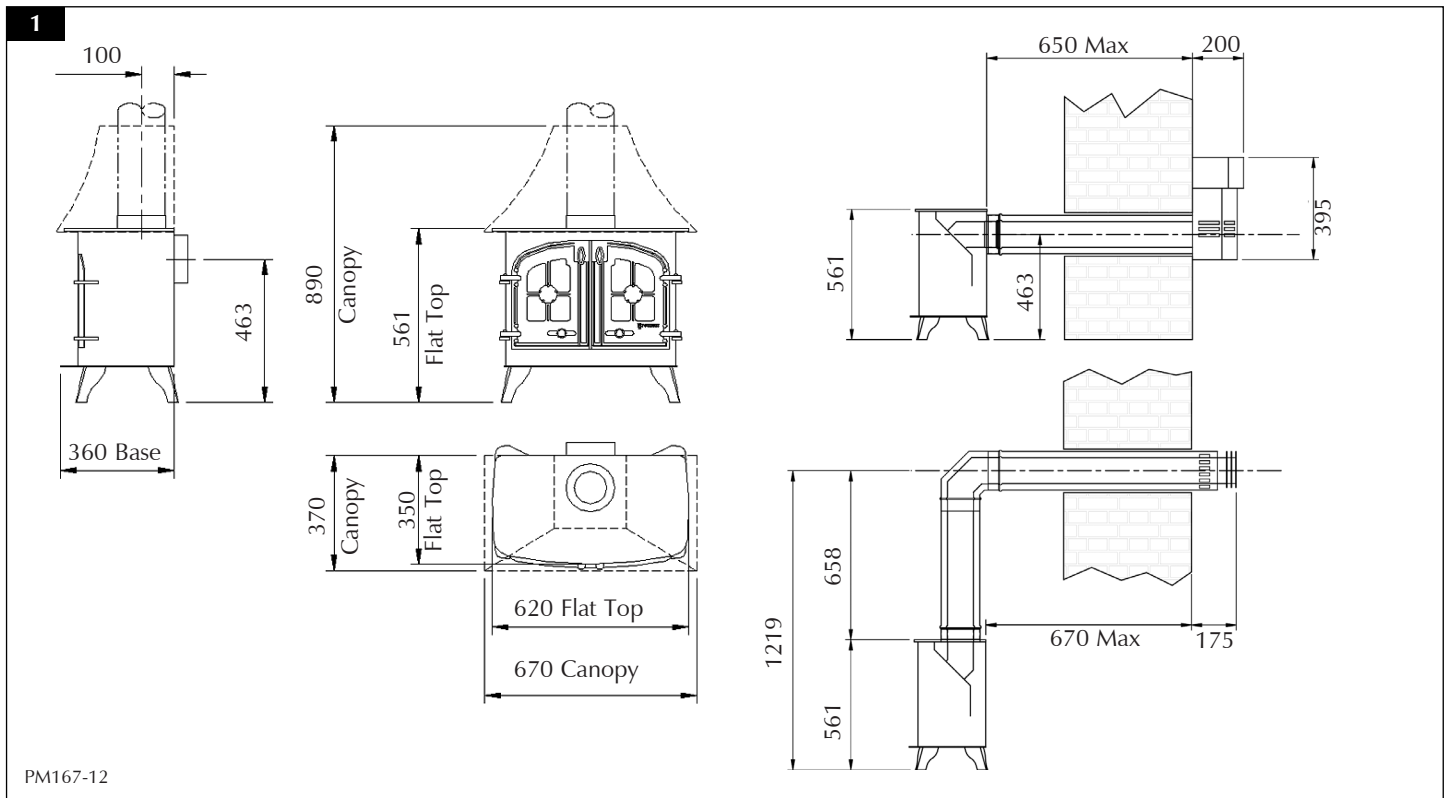
1 No. Stove body complete with burner.

1 No.	Ceramic Mat
1 No.	Left Hand Ceramic Matrix
1 No.	Right Hand Ceramic Matrix
13 No.	Medium Ceramic Coals
6 No.	Small Ceramic Coals
1 No.	Top plate flue blank.
1 No.	Instruction manual.
1 No.	Balanced Flue fixing kit.
1 No.	*Top or Rear flue kit.

* as required.

Please check that the correct parts and quantities have been delivered before commencing installation.

2. DIMENSIONS OF STOVE



3. TECHNICAL INFORMATION

Inlet pipe connection: 8mm compression.
Flue requirements: Only to be used with flue system supplied
Flue fitting: Top or Rear outlet - interchangeable
Stove control: Variable rotary gas control with Integrated Piezo Ignition, Permanent Pilot Facility and Flame Failure Device. OR as above with Remote Control option
Battery type (Remote version)
 Receiver: 4x AA (Alkaline only)
 Transmitter: 1 x PP3 (Alkaline only)
NOx level: Class 5 (i.e. below 100 mg/kWh)

NATURAL GAS	I2H/G20
HEAT INPUT	7.0kW
SUPPLY PRESSURE	20 mbar
GAS RATE	0.66m ³ /h
INJECTOR	560
COUNTRY OF USE	AT, FI, IE, IT, PT, ES, SE & GB

LPG GAS	LPG I3+		LPG I3P
	G30	G31	G31
HEAT INPUT	6.1kW	6.0kW	6.0kW
SUPPLY PRESSURE	28 - 30 mbar	37 mbar	37 mbar
GAS RATE	0.17	0.22	0.22
	m ³ /h	m ³ /h	m ³ /h
INJECTOR	180		180
COUNTRY OF USE	BE, FR, IE, IT, PT, ES, GB		GB, IE

PM167-12

SITE REQUIREMENTS

1. FLUE REQUIREMENTS

Only the flue components supplied with this appliance may be used on the installation of this appliance. No parts other than those supplied by Yeoman Stoves shall be used in the installation of the appliance, and if any parts are damaged or need replacing, then only parts supplied by Yeoman Stoves can be used.

2. FLUE CONNECTION

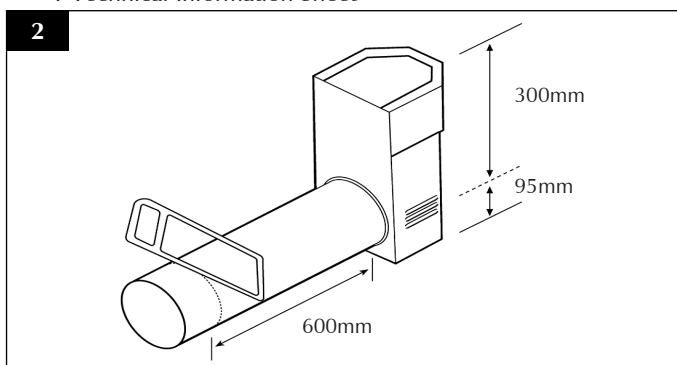
The Devon stove may be installed as either top or rear flue, and as such comes with all relevant parts to enable connection of the flue to either flue system. Hence, as well as the stove the following parts will be supplied.

1	B/F Fixing Kit blank
2	B/F Fixing Kit gasket
1	B/F Flue Blank gasket
4	M6x12 Hex Head set screw
4	M6 Standard washer
4	M8x20 Hex Head set screw
4	M8 Standard washer
8	M8x30 Penny washer
8	M8 Nut

3. REAR FLUE CONNECTION

The rear flue kit (YM-A8526) will comprise of the following components:

- 1 Rear Terminal assembly (395x200x200mm-HxWxD)*
- Terminal Guard
- 4 No. 8 Rawl Plugs
- 4 No. 8 Wood Screws
- 1 Technical Information Sheet



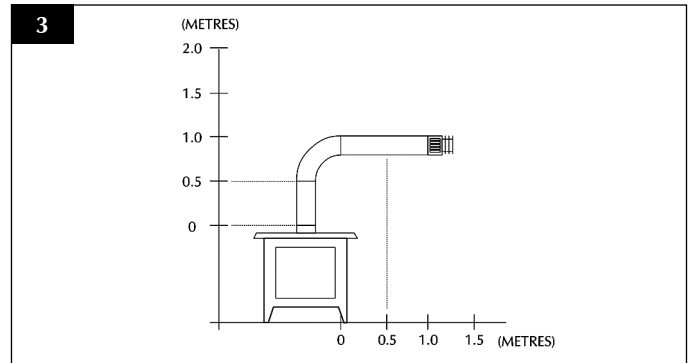
4. TOP FLUE CONNECTION

The Top Flue Kit (YM-A8523) will comprise of the following components:

- 1 Top Flue Terminal (500mm length)*
- 1 500mm length flue pipe
- 1 90 degree elbow
- 1 wall plate

* Cut to length on site.

- 1 75mm restrictor (not required on this installation)
- 1 75mm restrictor fixing screw (not required on this installation)
- 4 No. 8 Rawl plugs
- 4 No. 8 Wood Screws
- 1 No. Technical Information Sheet



5. SEALING THE FLUE JOINTS

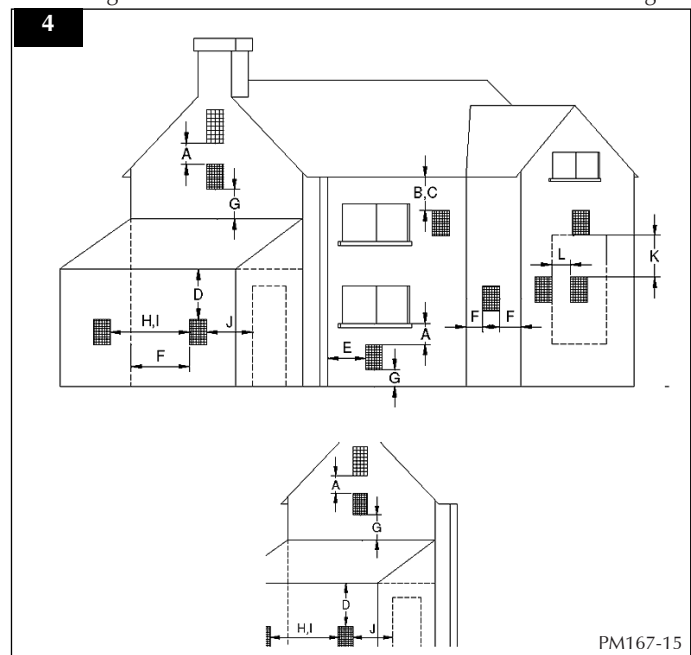
The flue joints are all supplied with a silicone seal that is fitted into rings within the pieces of pipe. These joints, when connected, should be checked to ensure that the seal is correctly in place and properly sealing the joint.

6. TIMBER FRAMED DWELLINGS

When installing the flue in properties of timber framed construction, the regulations (BS 5440:Part 1:1990) must be adhered to.

7. TERMINAL LOCATIONS

The terminal must be located in accordance with BS 5440:Part 1:1990 and BS 5440:Part 2:2000 for Natural Draught Balanced Flues. This is summarised below. See Fig. 4.



PM167-15

SITE REQUIREMENTS

Dimension	Terminal	Position Minimum Distance(mm)
A	Directly below an openable window or other opening e.g. air brick	300
B	Below gutters, soil pipes or drain pipes	300
C	Below eaves	300
D	Below balconies or a car port roofs	600
E	From vertical drain pipes and soil pipe	75
F	From internal or external corners	600
G	Above ground, roof or balcony level	300
H	From a surface facing a terminal	600
I	From a terminal discharging towards another terminal	600
J	From an opening in a car port (e.g. door, window) into a dwelling	1200
K	Vertically from a terminal on the same wall	1500
L	Horizontally from a terminal on the same wall	300

8. VENTILATION

The Devon Balanced Flue Stove has no requirement for additional ventilation in the room.

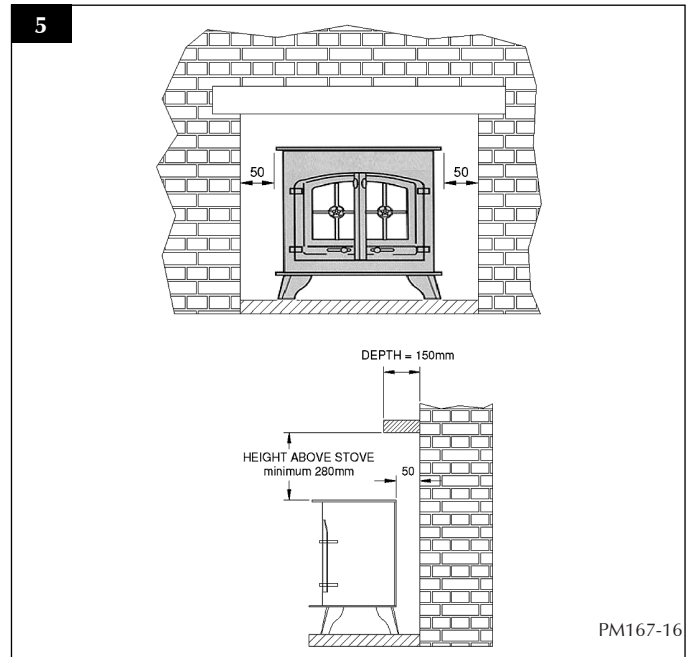
9. LOCATING THE APPLIANCE

The appliance must be sited against an outside wall, for flue terminal locations see section 7. "Terminal Location"

The stove must stand on a fireproof hearth, which must consist of a non-combustible material with a minimum thickness of 12mm and must extend at least to the front lip of the stove.

The appliance must not be fitted against a rear wall constructed from a combustible material; a gap of 300mm should be given all round the stove before combustible materials may be used in the wall construction.

If the appliance has to be located in an opening, the minimum clearance from non-combustible materials is shown in Fig. 5.

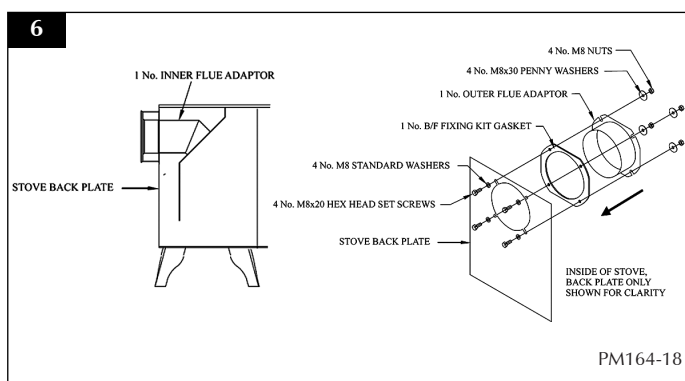


A combustible shelf may be fitted over the appliance, if the shelf is 150mm or less then there must be at least 280mm clearance above the top of the stove. The shelf depth may increase at the same rate as the increase in clearance; ie, a shelf depth of 200mm would require a clearance of 330mm.

INSTALLATION INSTRUCTIONS

1. TO FIT STOVE AS REAR FLUE

A. Fit parts inside stove as shown in Fig. 6.



B. Fit the B/F Fixing Kit Blanking Plate to 4 studs on inside of stove top, securing in place using the remaining 4 M8 penny washers and 4 M8 nuts, ensuring that the second B/F Fixing Kit Gasket is fitted between the B/F Fixing Kit Blanking Plate and the Stove Top Plate.

C. Fit the Inner Flue Adaptor (the piece with the 45° bend built in) onto the baffle of the stove such that the pipe concentrically aligns with the Outer Flue Adaptor. This bolts inside the stove using the 4 M6x12 Hex Head set-screws and M6 standard washers.

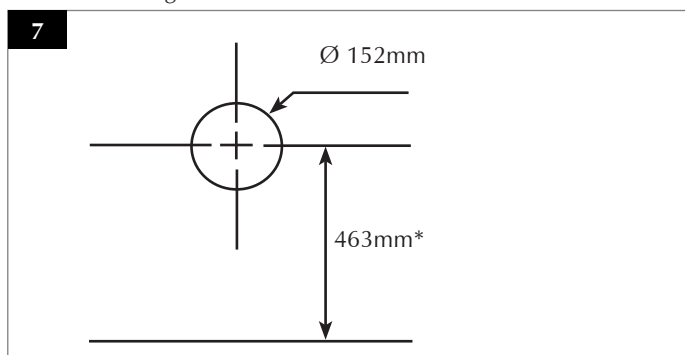
D. A blank is supplied to fill the hole in the top plate, with a thin B/F Flue Blank Gasket to place under the blank to level the top. This has a slot to enable removal if required later.

2. REAR FLUE INSTALLATION

WALL THICKNESS	MIN 200mm	MAX 600mm
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Remove the adjustable flue assembly and terminal guard from the box. Take care not to lose the fixings.

Decide on the final stove position and ensure that all external flue terminal clearances are complied with, See Diagram 1 page 8. Mark the centreline of the appliance on the wall and mark the height from the top of the hearth to the centre of the flue. See Fig. 7.



* Installer to check dimension

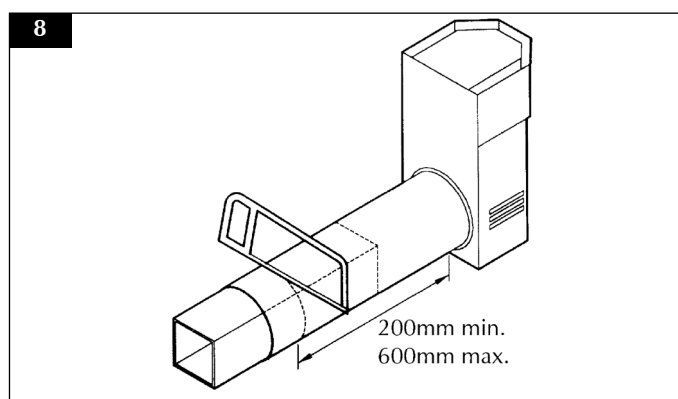
TAKE CARE WHEN MARKING OUT FOR THE FLUE AS IT IS DIFFICULT TO MOVE AFTER INSTALLATION.

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

- Core Drill.
- hammer & chisel.

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

To set the flue length, measure the total wall thickness, then add 65mm. This total flue length will give the minimum clearance of 50mm between the rear of the stove and the wall. To cut the flue to length using a hacksaw, first insert the square cardboard fitment into the flue. This will support the inner flue. Cut through the flue and fitment. See Fig. 8. ENSURE THE REMAINING FITMENT IS REMOVED FROM THE FLUE. File the cut edges of flue smooth.



From outside, locate the flue assembly into the hole until the terminal is flat against the wall. Ensure the terminal is vertical. NOTE THE ORIENTATION OF THE TERMINAL. Mark the four fixing holes, remove the terminal and drill the holes, inserting the rawlplugs supplied.

DO NOT FIX THE FLUE AT THIS STAGE.

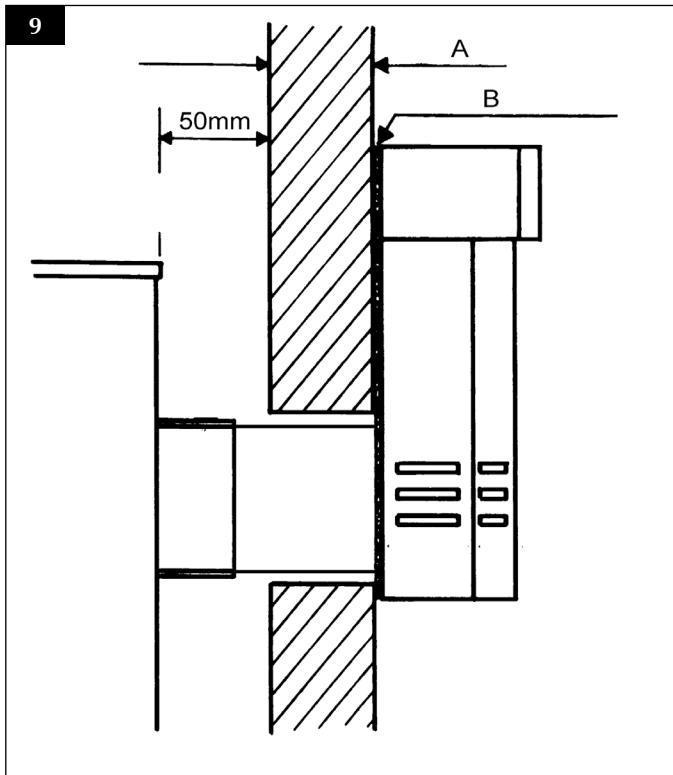
Position the stove ensuring all appropriate clearances are observed.

Before fixing the flue in the wall, apply a bead of suitable weatherproof sealant (silicone or similar) around the perimeter of the back face of the terminal (See Fig. 9, arrow B). Feed the flue through the wall ensuring it travels smoothly.

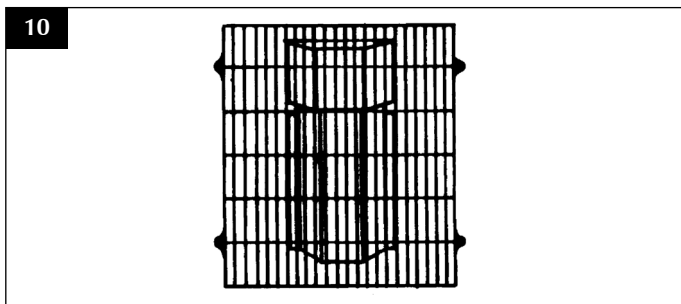
Working from inside, engage the flue in the inner and outer spigots, making sure the rubber seals on the spigots are not damaged.

INSTALLATION INSTRUCTIONS

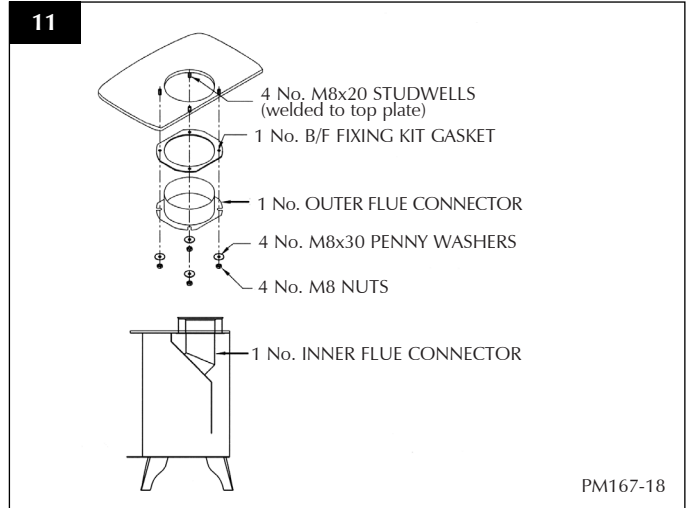
From the outside, insert the four screws in the flanges of the flue terminal ensuring the sealant has formed a water tight joint to the wall. See Fig. 9.



Any terminal which is less than 2 meters above any access (level ground, balcony or above a flat roof to which people have access), is to be fitted with the guard supplied, see Fig. 10.



3. TO FIT STOVE AS TOP FLUE

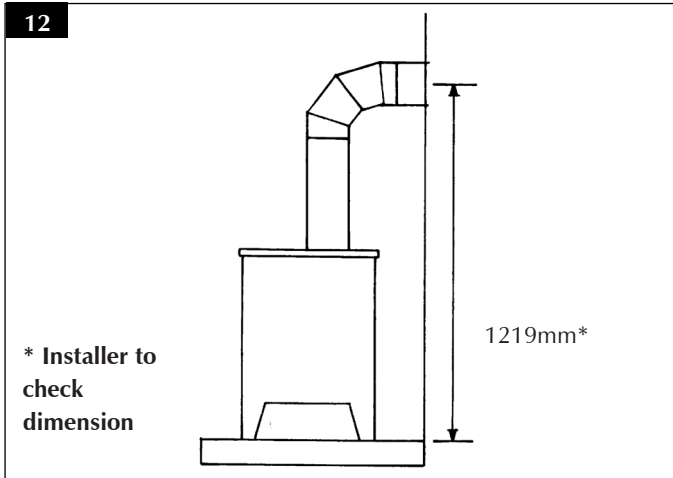


- A. Fit the Outer Flue Adaptor to the Stove Top, ensuring that one of the Balanced Flue Fixing Kit Gaskets is correctly placed around the outer flue adaptor; such that it is squashed between the outer flue adaptor and the top plate when the adaptor is fed through the hole in the Stove Top Plate from the inside of the stove. This should then be fastened in using 4 M8x30 penny washers and 4 M8 nuts.
- B. Fit the B/F Fixing Kit blank to blank off the Rear Flue position, this should be placed inside the stove, with the 2nd B/F Fixing Kit Gasket being squashed between the two. These components should be fixed using 4 M8 standard washers and 4 M8x20 hex head screw fed through the 4 holes from the rear of the stove. 4 M8x30 penny washers can be applied through the front of the stove, and secured using the remaining M8 nuts.
- C. Fit the Inner Flue Adaptor (the piece with the 45° bend built in) on to the baffle of the stove so that the pipe concentrically aligns with the Outer Flue Adaptor. This bolts inside the stove using the 4 M6x12 hex head set screws and M6 standard washers - these set screws will also hold the stainless flue way baffle in place, such that it covers the flue hole.
- D. Note – when fitted as Top Flue the B/F Fixing Kit Blank and B/F Flue Blank Gasket will not be used.

4. TOP FLUE INSTALLATION

To determine the height of the hole for the horizontal flue, measure from the hearth to the centre of the elbow. See diagram 12. Refer to the rear flue (installation section 2) for methods of cutting the hole.

INSTALLATION INSTRUCTIONS

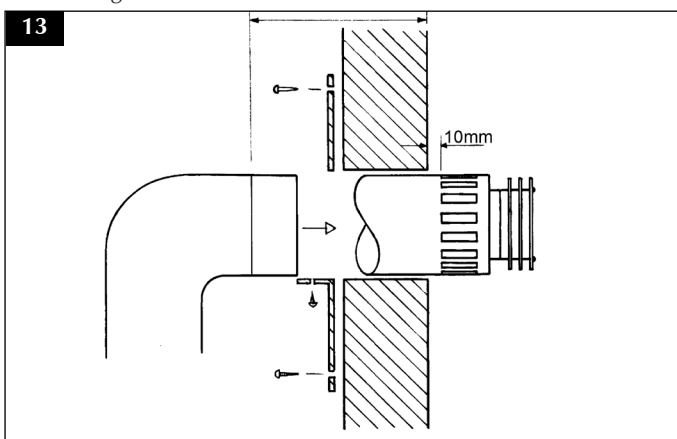


Assemble the 500mm section of vertical flue including the 90° elbow on to the stove. A wall plate is supplied to secure the flue to the inside wall. Bend the tab to 90° and loosely place on the elbow.

The fixing holes for the wall plate can only be marked on the wall. Use the wall plate as a template. The securing tab can be either on top or underneath the flue. See Fig. 13.

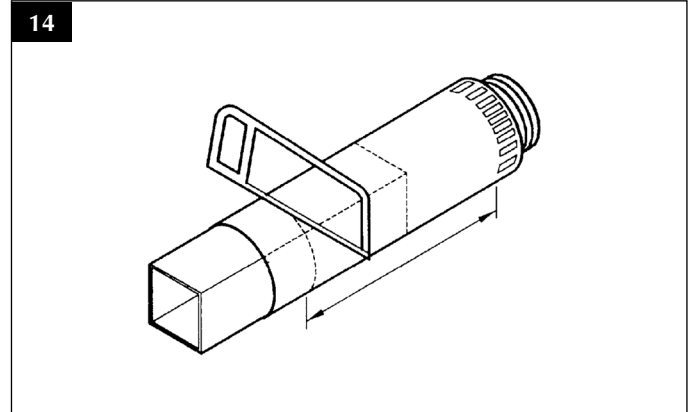
The final length of horizontal flue pipe incorporates the terminal. This is the only section that can be shortened.
DO NOT ATTEMPT TO SHORTEN ANY OTHER SECTION OF FLUE PIPE.

To determine the length of the terminal flue section measure from the outside of the wall to the stop on the 90° elbow. See Fig. 13.



Once the length of the terminal has been obtained, mark the flue all the way round, insert the cardboard fitment as shown in diagram 14. This will support the inner flue. When cutting take care not to damage the edges of the flue. File any sharp edges from the cut end of the flue.

REMOVE ANY CARDBOARD FITMENT REMAINING.



Remove the stove and flue assembly from the hearth and drill the four fixing holes for the wall plate, insert the rawl plugs supplied. Assemble the horizontal flue onto the elbow and reposition the stove ensuring the flue slides smoothly through the wall. Alternatively, place the flue terminal in the wall, place the stove on the hearth and connect the flue to the elbow. Reposition the stove.

Fix the wall plate to the wall using the four black screws provided. Drill through the fixing tab of the wall plate using a 3.5mm drill and secure with the screw provided. Make good and weatherproof around the outside of the flue.

5. GAS CONNECTION

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

It is important to ensure that all pipework installed is fitted in accordance with BS6891 and is capable of supplying sufficient gas flow and pressure to meet the minimum pressures quoted on page 17 of this manual. A minimum pipe size of 15mm should be used for the gas supply to within one metre of the appliance. 8mm pipe may only be used for the final connection to the stove, or within 1 metre of the appliance. An 8mm nut and olive is supplied with the stove for the final pipe joint. A length of formed pipe is supplied with the stove and test elbow (with isolation valve), please fit as desired and check soundness before positioning of appliance.

Do not make any connections to the appliance until all supply pipes have been purged to expel any dust or debris. Failure to do this may result in a blocked injector or tap and will invalidate the guarantee.

Although a gas soundness test is made on all appliances before they leave the factory, the appliance should be tested for soundness before operating the stove. This is to ensure that the burner has not been damaged in transit.

INSTALLATION INSTRUCTIONS

6. ARRANGING THE LAYOUT OF THE COALS

Only the ceramic coals supplied with this appliance are to be used. The coals should only be laid as shown on the following pages. Replacement coals and ceramics are available from your dealer, but should only be installed by a CORGI registered engineer.

The stove should arrive with the following parts as required for the coal layout:

1 No.	Left Hand Ceramic Matrix
1 No.	Right Hand Ceramic Matrix
13 No.	Medium Ceramic Coals
6 No.	Small Ceramic Coals

The type of matrix used is crucial for the correct operation of the stove. Before arranging the coal layout, ensure that the correct type of matrix has been supplied.

Natural Gas Matrix - 50mm in height
LPG Matrix - 35mm in height

7. PROCEDURE FOR ARRANGEMENT

Ensure that the Pilot Assembly remains unobstructed when arranging the coals.

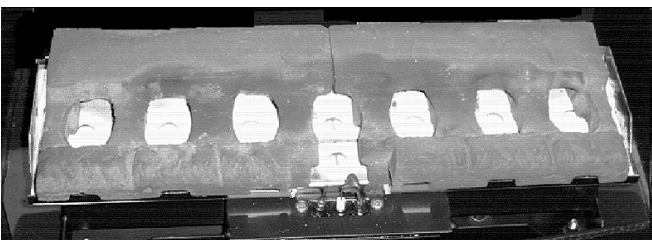
Note that there is a viewing slot in the matrix such that the Pilot Flame will be visible when lit, this must also be kept clear.

Please note that once the stove is lit, the coals become very hot, care must be taken when adjusting coals after the appliance has been lit and Yeoman Stoves accept no responsibility for any injury sustained whilst handling hot ceramics.

STAGE 1

Lay the ceramic mat onto the top of the burner body, then lay the 2 piece ceramic matrix on to the top of the ceramic mat, fully forward with two holes on the burner lining up with one hole in the matrix as shown in Fig 15.

15

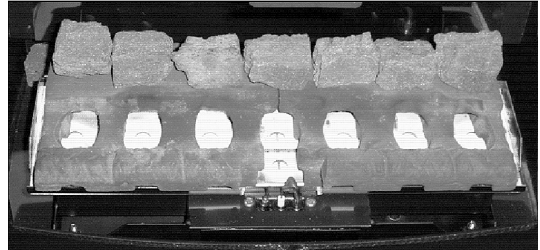


PM167-8

STAGE 2

Place seven medium coals on the rear block of the matrix as shown in Fig. 16.

16

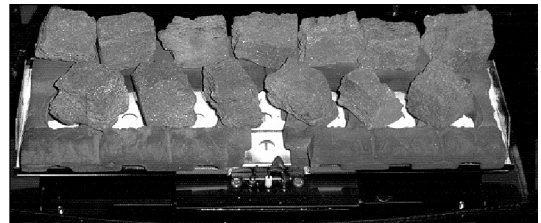


PM167-9

STAGE 3

Place the six remaining medium coals, one on each spur of the matrix, with the corners of the coals touching as shown in Fig. 17.

17

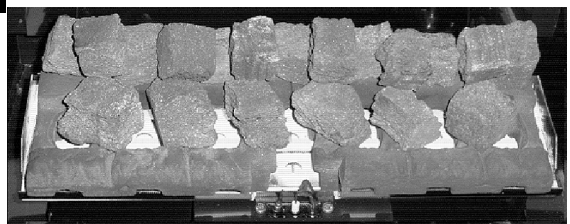


PM167-10

STAGE 4

Place six small coals, each one half on top of the first layer and one half on top of the second layer of coals, as shown in Fig. 18.

18



PM167-11

8. OPERATING THE STOVE

SEE USERS SECTION

INSTALLATION/COMMISSIONING INSTRUCTIONS

9. FITTING THE OPTIONAL CANOPY

All Devon gas stoves are supplied as Flat tops; an additional canopy is then available which can be used to change the appearance of the appliance. Although this is an additional canopy it is still a working surface and hence will get very hot when the stove is being operated.

When fitting the canopy all flue connections will remain connected to the stove. The canopy will then slide on top of the flat top. A blank is supplied to fill in the flue outlet hole for a rear installation or a small infill to slide behind the flue pipe for a top installation. To fit the canopy, simply slide the canopy over the edge of the Top Plate on the stove, noting that there are two runners on the underside of the canopy to allow this to happen. These will retain the canopy and prevent it from being accidentally knocked off.

10. REMOTE CONTROL

Refer to the installation instructions supplied with the remote control unit for fitting of the motor and receiver. This requires no external power to operate.

The receiver unit can be hidden under or behind the appliance, ensuring that the receiver is located in an area that has a temperature below 60°C and that the customer knows where the receiver is for future battery replacement.

1. COMPLETING THE INSTALLATION

THE APPLIANCE MUST NEVER BE OPERATED WITH THE DOOR REMOVED OR GLASS BROKEN.

When the coals and matrices have been arranged as shown on pages 15 the door must be closed, and using the supplied washer and nut, tightened to achieve a good seal. Finally, the knob should be screwed onto the same bolt as the nut. This can then be tightened up with orientation either horizontal or vertical, noting that it is not necessary to “wrench” this knob on tight, as it is only a decorative door handle. Ensure that the Glass rope seal is correct and is forming a good seal around the door in all places. Using the Allen key provided, fit the plate at the centre base of the doors by screwing the two bolts into position.

2. APPLIANCE TESTING

The gas pressure to the appliance must be measured; this should be measured with all gas appliances with the gas meter operating on full. It should be 20mb or 37mb +/-5%. The flow rate should be checked using the method described in the CORGI Essential Gas Safety book. See Technical Specification section3.

The above values are on “HIGH” and should be measured whilst all appliances are on full.

3. POST INSTALLATION CHECKS

Before leaving the appliance connected to the gas supply, the installer is required to visually examine the appliance and flueway to ensure that:

- a) The seal between the combustion chamber and the room is intact and in good condition.
- b) The flue has been correctly sealed.
- c) There is no debris contained within the flue assembly.
- d) The joint between the terminal and wall is weatherproof.
- e) All pipework must be purged.

PLEASE EXPLAIN TO THE CUSTOMER THE LIGHTING AND EXTINGUISHING PROCEDURES.

SERVICING AND FAULT FINDING

ADVICE ON HANDLING AND DISPOSAL OF FIRE CERMAIC

The fuel effect matrix and coals in 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 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 the eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

1. SERVICING INSTRUCTIONS

The following outlines only the minimum work that should be performed on an annual basis. This service work, like any other work on the appliance, must only be done by a qualified and competent engineer who is registered with C.O.R.G.I.

- a) Open the door. This is achieved by first unscrewing the cast handle to reveal an M6 nut, unscrew the nut, and door will open.
- b) Remove all coals and matrix from top of burner.
- c) Remove ceramic mat from top of burner and discard.
- d) Remove any debris from the top of the burner using a vacuum cleaner and brush.
- e) Inspect the burner unit.
- f) Perform an ignition check.
- g) Perform a flame failure check
- h) There should be no need to service the burner. If however this is required, then the engineer should check the setting pressure at inlet to burner; the correct pressure is shown on the data information plate.
- i) **Place new ceramic mat in position.** Brush off and replace coal arrangement as shown in pages 15-16, replacing any broken or damaged pieces.
- j) Check all seals on door (including glass) and close the Door.
- k) Check the installation for gas leaks.
- l) Check flue for clearance of products of combustion.

Servicing of Burner

If servicing of the burner is required then the burner should be removed. Before refitting of the burner a new burner base gasket must be fitted.

If any parts need to be replaced use only genuine Yeoman parts, non-standard parts will invalidate the guarantee and may be dangerous.

2. TROUBLESHOOTING

A) The gas pilot will not ignite or stay lit?

- i) Ensure the gas is turned on at the appliance and the meter/cylinder.
- ii) Depress the control knob for at least twenty seconds once the pilot is alight to ensure the operation of the safety thermocouple valve.
- iii) Ensure that the pilot injector is not obstructed or blocked and it is free from any dust or dirt.
- iv) Ensure that the thermocouple has not been damaged in transit. This is a very delicate Electromagnetic device.
- v) On propane, the cylinder could be empty.

B) The pilot is not burning or performing correctly?

- i) Ensure the pilot flame is the correct size for the type of gas. The flame should be focused on the thermocouple probe.
- ii) The pilot flame will have been set correctly in the factory.

C) The Main Burner does not seem to be burning correctly?

- i) Ensure adequate gas pressure to the appliance. The pressure can be checked by unscrewing the pressure test nipple and applying a suitable pressure gauge (i.e. a manometer). Ensure adequate volume of gas is being used. Once the fire is burning on maximum, turn off all other gas appliances in the house and calculate the fuel being burned from the gas meter.
- ii) Make sure that the burner is burning correctly. The flame should be even across the top of the burner before any coals are placed on top.

D) Optional remote control will not function.

- i) Check PP3 battery is fully charged, if not, change battery. Check the 4 No. AA batteries in receiver box under the stove, if not fully charged, change batteries

SERVICING AND FAULT FINDING

3. SHORT SPARES LIST

Only original Yeoman parts may be used when replacing parts on this appliance.

Devon NG Matrix set	YM-YA56142
Devon LPG Matrix set	YM-YA56342
Devon BF Ceramic Mat	YM-YG56131
Devon BF Burner Base gasket	YM-YG56109
Devon BF Mertik Gas Tap NG	YM-YG75301
Devon BF Mertik Gas Tap LPG	YM-YG75302
Devon BF NG Injector	YM-YG56077
Devon BF LPG Injector	YM-YG14177
B/F Uninterrupted Thermocouple	YM-YG56182
B/F Pilot Assembly NG	YM-YG56382
B/F Pilot Assembly LPG	YM-YG56982
B/F Electrode	YM-YG56082
Ignition Lead	YM-YGC0090
Twin door 4-sided glass 222 x 165mm	GL-0240

SERVICE RECORDS

1ST SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

3RD SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

5TH SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

7TH SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

9TH SERVICE

Date of Service:.....
Next Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

2ND SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

4TH SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

6TH SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

8TH SERVICE

Date of Service:.....
Next Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

10TH SERVICE

Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number



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