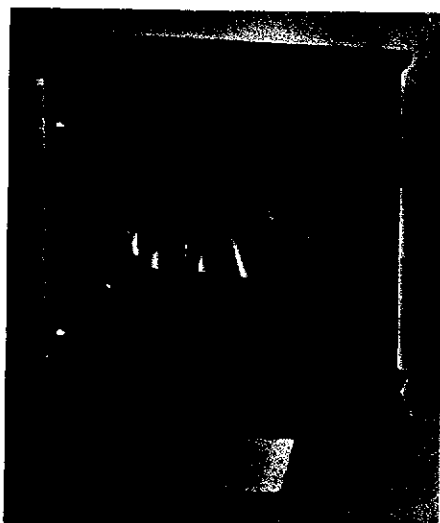




THE SIDBURY

Flueless Gas Stove

For Natural Gas and LPG



INSTALLATION, SERVICING AND USER INSTRUCTIONS

This product is for use only in Great Britain and Ireland.

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 C.O.R.G.I REGISTERED ENGINEER**



Welcome To Yeoman

We are pleased that you have chosen our Sidbury flueless gas stove which has been designed for modern living.

Your new Sidbury flueless 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 gives 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. Ask a GORGI 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.

CONTENTS

GENERAL SECTION

Dimensions of Stove _____	Page	3
Technical Information _____		5
Safety Note Features _____		5
Safety Note _____		5

INSTALLER SECTION

Ventilation/Room Size _____	Page	5
Locating the Appliance _____		6
Gas Connection _____		6
Pressure Testing _____		6
Arranging the Layout of the Coals _____		6
Completing the installation _____		8
Fitting the optional Canopy _____		9

USER SECTION

Operating the Stove _____	9-10
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SERVICING SECTION

Servicing Instructions _____	Page	10
Troubleshooting _____		10
Short Spares List _____		11
Commissioning Data _____		11
Guarantee _____		12
Parts List _____	Appendix	

1. DIMENSIONS OF STOVE

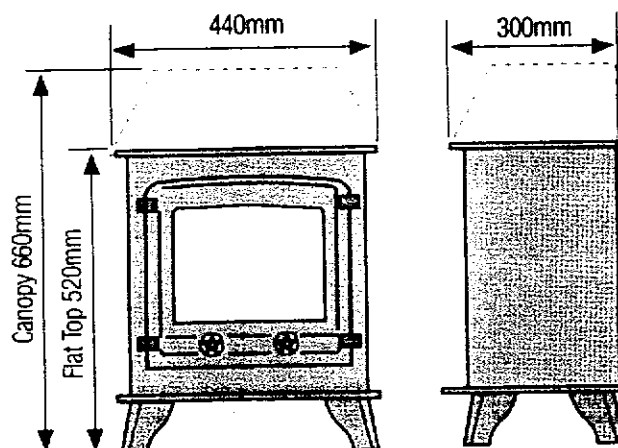


Fig. 1 –
Dimensions of
Stove.

Room Size.

The stove is rated at less than 3 Kw and needs to be fitted in a room not less than 33 cubic metres.

Ventilation.

Where a flueless appliance is installed in a room or an internal space, that room or internal space should be provided with an air vent that communicates directly with the outside air.

In the case of the Sidbury and Kentisbury this is 100mm².

This 100mm² is the measurement of **FREE AIR** and it is advisable to check with the manufacturer of the vent you are installing, that it will meet this criteria.

The installation of your ventilator should be as close to the appliance as possible, (not in a position that cold air is played directly onto the stove) also not on the lee side of the building, where under certain conditions, as with all ventilators, air could be sucked out instead of drawn in by the appliance.

Fitting a ventilator high up in a room is considered to be the best position, as the cold air being drawn in mixes with the warmest air at the top of the room.

Try to avoid the side of the building facing the prevailing wind. However in this instance it is better to vent the room from an adjoining room with a similar sized vent through the partition wall and outside wall.

Two habitable rooms may be regarded as a single room for ventilation purposes if there is a permanent opening between them, equivalent to at least 1/20th of the combined floor area.

Please also note that there must be an openable window in the area in which the appliance is being used.

The information on ventilation is based on the building regulations and building standards of England and Wales and is described in the CORGI manual on essential gas safety which must be adhered to.

Refer to the technical department at Yeoman Stoves (01395 234550) for further information.

Gas	Natural	Propane
Heat Input (net) kW	2.99	2.99
Supply Pressure (mbar)	20	37
Gas rate (m ³ /hr)	0.35	0.12
Injector marking	54	30

2. SAFETY FEATURES

a. **OXYGEN DEPLETION SENSOR (ODS)** – this constantly measures the oxygen content of the air in the room. The stove will shut off if this falls below a specified content.

b. **THERMOSTATIC GAS TAP** – this safety feature prevents the room from overheating and depleting oxygen levels.

c. **CATALYTIC CONVERTOR** – a specialised catalyst for use in natural gas burning products is fitted to the Sidbury stove. This catalyst covers any emissions from the stove to harmless gases. This catalyst must be inspected at service intervals and replaced every three years.

3. SAFETY NOTES

This appliance needs ventilation air to work safely. Make sure before operating the appliance there is enough ventilation air. Lack of ventilation air is dangerous for your health.

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 should be considered for these conditions conforming to BS 6539 or BS 6778.

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.

If the sidbury is installed in a property which has a heat recovery system (or similar) in use, Provision must be provided for the inclusion of an air pressure switch to monitor the inlet and outlet air flow in case of mechanical or electrical failure.

4. VENTILATION / ROOM SIZE

The Sidbury stove is rated at less than 3kw

This therefore necessitates the appliance to be fitted in a room with an internal volume of no less than 33m³. The appliance also requires 100 mm² of additional permanent free air, direct to outside. In addition to this, there is a further requirement for the room to have an openable window or louvre as specified under BS 5440: part 2.

5. LOCATING THE APPLIANCE

The stove must stand on a non-combustible hearth, with a minimum thickness of 12mm.

The appliance must not be fitted against a rear wall constructed from a combustible material; a gap of 280mm 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.2.

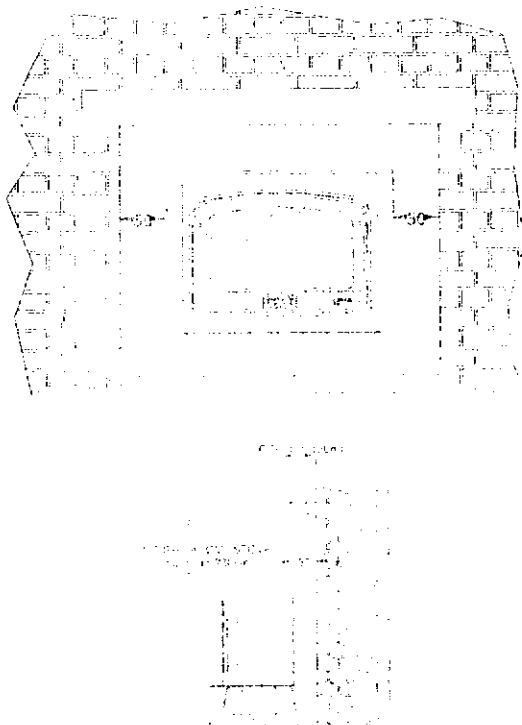


Fig. 2 - Minimum clearances to non-combustible materials (hearth and shelf details).

The stove must be located at least 280mm from any combustible materials.

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

6. GAS CONNECTION

It is important to ensure that all pipe work installed is fitted in accordance with BS6891 and is capable of supplying sufficient gas flow and pressure to meet the minimum pressures quoted in section 7 of this manual. 8mm pipe may only be used for the final connection to the stove, or within 1 meter of the appliance. An 8mm nut and olive is supplied with the stove for the final pipe joint.

A gas supply isolation tap must be installed in the supply pipe work in a location that is easily accessible, such that the appliance may be isolated if necessary.

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.

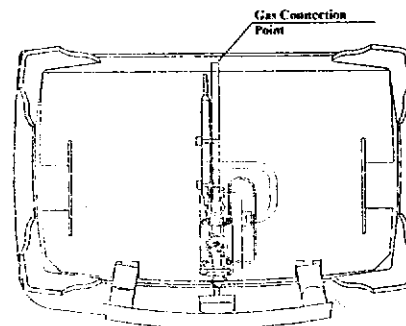


Fig. 3 Final gas connection location.

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.

7. PRESSURE TESTING

The gas pressure to the burner must be measured, this should be measured with all gas appliances after the gas meter operating on full, including the Sidbury stove.

The location of the test point is shown in fig.4

Procedure

- a) Remove the test point screw.
- b) Connect flexible hose from manometer to exposed test point.
- c) Ensure manometer reading is on zero with stove off.
- d) Light the burner and turn to "HIGH".
- e) Let the stove settle for a few minutes.
- f) Take manometer reading.
- g) Ensure reading is within tolerance of values shown below for appropriate gas type, and write the burner pressure in the space provided on the back page.
- h) Turn burner off, remove hose and replace screw.

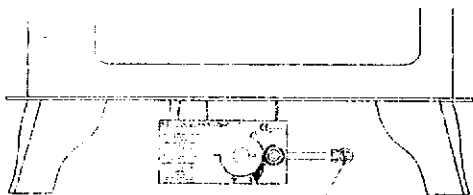


Fig. 4 Pressure test point location

Burner pressure (+/-) 5% =
16.3 mbar (Natural), 36.1 mbar (Propane)

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

8. ARRANGING THE LAYOUT OF THE COALS

Only the ceramic coals supplied with this appliance are to be used. The coals must be laid only as shown on the following pages. Replacement coals, ceramic mat and mat are

available from your dealer, but should only be installed by a qualified installation engineer.

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

- 1 No. Ceramic Mat
- 1 No. Matrix
- 6 No. Medium Coals

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

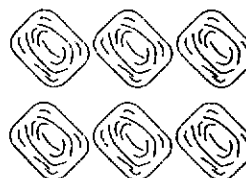
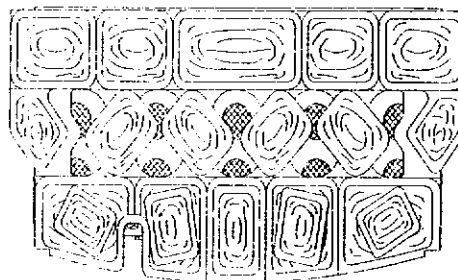
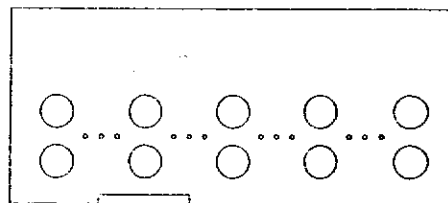


Fig. 5 – Loose parts necessary for coal layout.

PROCEDURE FOR ARRANGEMENT

THE COAL PATTERN MUST BE SET AS SPECIFIED IN THE FOLLOWING FIGURES, FAILURE TO FOLLOW THIS ARRANGEMENT MAY LEAD TO SOOTING.

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. **Yehaan Stoves** accept no responsibility for any injury sustained whilst handling hot ceramics.

Stage 1

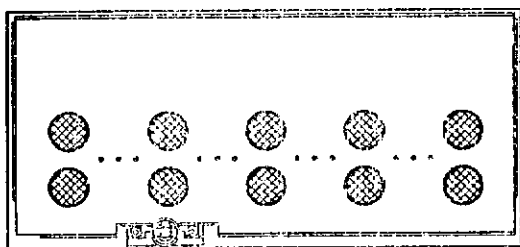


Fig. 6 -- Ceramic Mat placement.

Lay the Ceramic Mat on top of the Burner as shown in Fig. 6 making sure that all holes including the 12 small cross lighting holes are not blocked, and that the pilot assembly is not obstructed.

Stage 2

Place the Ceramic Matrix on top of the mat and burner as shown in Fig. 7.

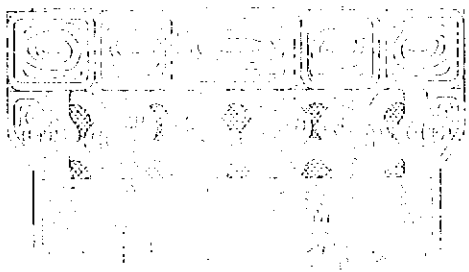


Fig. 7 -- Ceramic Matrix placement.

Stage 3

Place the 6 ceramic coals (supplied) into the preformed cutouts as shown in Fig. 8.

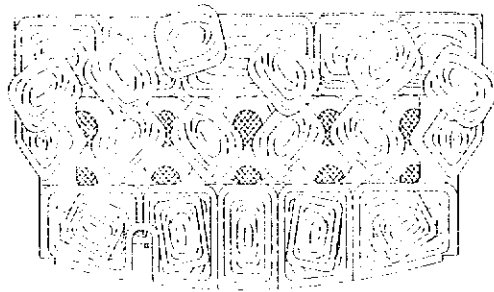


Fig. 8 -- Coal Placement.

9. 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 in section 9 above, the door must be closed and a good seal achieved.

The door must be closed, and using the supplied washer and nut, tightened. Finally, the decorative 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 a sharp knife cut the cable ties holding the thermostat under the stove, then, carefully re-position the thermostat behind the stove.

10. FITTING THE OPTIONAL CANOPY

All Sidbury gas stoves are supplied as Flat tops: an additional canopy is then available which can be used to change the appearance of the appliance. This canopy will simply slide onto the stove, the two slider rails locating on the top plate of the stove. Although this is an additional canopy it is still a working surface and will hence get very hot when the stove is being operated.

11. 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.

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.

(i) Igniting the stove.

- 1 Depress control knob fully.
- 2 Whilst depressed, turn knob 70° anti clockwise to "IGN" setting as shown in figure 11. Depress the control knob further, and depress the Piezo to ignite the pilot light, repeat until ignition occurs.
- 3 **KEEP KNOB DEPRESSED AT THIS POINT FOR 15 - 20 SECONDS.**

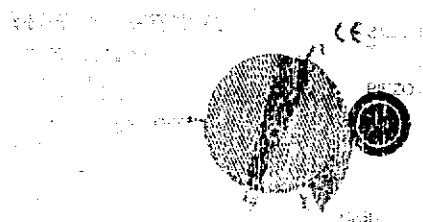


Fig. 11- Ignition position.

- 4 Upon releasing the knob, the permanent pilot will remain lit, if not return to 1.
- ### (ii) Running the stove at high output.
1. Ignite pilot as indicated in 11 (i).
 2. With the control knob at "IGN" setting, turn in an anti clockwise direction to "HIGH" setting (Fig. 12).

3. The stove is now burning at it's highest operating output.

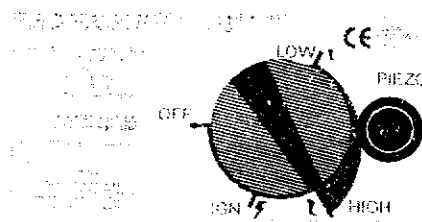


Fig. 12 – High output.

(iii) Running the stove at low setting.

1. Ignite pilot as shown in 11 (i), turn in a Anti clockwise direction to "LOW" setting (Fig. 13).

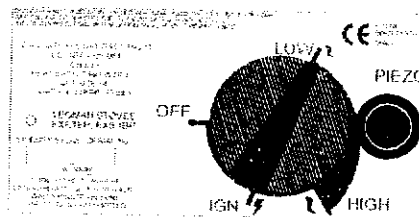


Fig. 13 – Low output.

2. The stove is now burning at it's lowest operating output.

Output can be set at a variable rate between "LOW" and "HIGH"; this can be increased by turning the control knob progressively in a clockwise direction (from "LOW" or anti-clockwise from "HIGH"), until the desired level is achieved. **Please note:- for safety reasons no permanent pilot is available.**

A thermostat is located under the stove, this is factory set at 26 degrees C. When the area around the stove exceeds this temperature the stove will gradually shut down. The thermostat is fixed to the underside of the stove for transit purposes. It is possible to move the probe by first cutting the cable tie and carefully moving the thermostat either behind or to one side of the stove.

(iv) Extinguishing the stove fully.

1. From any heat setting, depress and turn the knob in a clockwise direction through the "HIGH" setting (a click will be felt as the knob passes through) to the "OFF" position (Fig. 14).

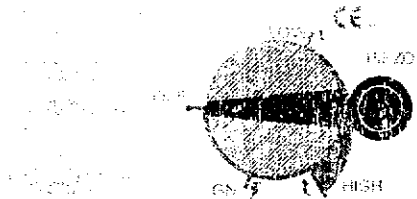


Fig. 14 – Off position.

12. 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 C.O.R.G.I registered engineer.

- a) Open the door. This is achieved by first unscrewing the cast handle to reveal an M6 nut, unscrew the nut, and the door will open.
- b) Remove all coals and matrix from top of burner.
- c) Remove 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) Inspect the catalyst for sooting, replace if there is evidence of excessive soot.
- j) If it is necessary to remove the catalyst, this can be achieved by removing the four fastenings on the inside of the stove. These fastenings can be found inside the top of the

stove and will require the reflector baffle to be removed. The catalyst can then be withdrawn and replaced along with two new sealing gaskets.

- k) Place new Ceramic mat on burner, brush off and replace coal arrangement as shown in section 10, replacing any broken or damaged pieces.
- l) Check seal on door (including glass) and close the Door.
- m) Check the installation for gas leaks.

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

13. TROUBLE SHOOTING

- A) **The gas pilot will not ignite or stay lit?**
 - i) Ensure the gas is turned on at the appliance and the meter.
 - 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.
- B) **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.

C) Evidence of sooting on Catalyst?

- a) Ensure that the ceramic mat is in place.
- ii) Check that coal pattern is as per this instruction manual.
- iii) Check gas pressure and volume, ensure these values correspond with section 8 of these instructions.
- iv) Ensure installation meets with minimum air supply as per section 4 of these instructions.

Installation date _____

Burner pressure, all gas appliances on FULL _____ mbar

Burner pressure, stove only on full _____ mbar

Meter pressure, all gas appliances on FULL _____ mbar

Meter pressure, stove only on full _____ mbar

D) After a short while the flames get shorter.

- 9(i) Cut the cable tie and carefully re-position the thermostat from under the body of the stove.

Please ensure that the legend sticker supplied with the instruction leaflet is fitted to the inside of the fret door. This sticker is to be marked to identify the installation year and the following replacement years of the catalyst.

N.B. This catalyst must be inspected at service intervals and replaced every three years.

14. SHORT SPARES LIST

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

Matrix c/w set of coals.	YC76142
Burner ceramic Mat	YG76131
Glass window	YC74027
Pilot Assembly (N.G)	YG80282
Pilot Assembly (LPG)	YG80382
Thermostatic Control Tap	YG80079
Catalyst	YB80162
Gas tap complete	YG80079
Control knob.	YG76279
Piezo Igniter	YG80004
Ignition lead	YG00283
Catalyst mat gasket (2 No.)	YB80291

GUARANTEE

1. All Yeoman stoves are guaranteed for one year against faulty components from the date of purchase.

2. The guarantee is given subject to the following provisions;

a) That the installation, and any additional work, is carried out by a CORGI registered engineer.

b) That the fireplace* and permanent air vent conforms to the current building regulations and British standards.

c) Yeoman Stoves will not cover for any associated problems due to a faulty flue or a flue which does not perform so as to successfully move the products of combustion to the atmosphere.

d) Yeoman Stoves will not be responsible for the lack of ventilation or primary air required to enable a stove to perform successfully. CORGI engineers must check that the stove will receive a continuous and uninterrupted flow of air for combustion. They must also check the

15. COMMISSIONING DATA

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

Stove model name SIDBURY

Type of Gas Supply _____

Installation engineer _____

Signature _____

property for obvious signs of Thermal Inversion as per the CORGI manual.

e) That our instructions for installation, servicing and cleaning are followed. This guarantee does not cover mishandling.

f) That any part or parts replaced under guarantee are returned to us postage paid for inspection, via your Yeoman dealer.

g) That our liability is limited to the free replacement part or parts affected. No claims for any other work will be considered unless agreed by Yeoman stoves management.

h) This guarantee does not cover normal wear and tear.

i) This guarantee does not cover glass or any seal replacement.

3. Yeoman stoves are guaranteed via the **stockist** from whom they were purchased, and **not** directly by Yeoman. In the event of any guarantee claims, you should therefore contact **the stockist** from where you purchased the stove.

This does not effect your statutory rights
* If applicable

For your records and to assist us in any guarantee claim please make a note of the following

Stockist from whom purchased:

Name: Harworth Heating

Address: Blyth Road

Harworth Doncaster

South Yorkshire

DN11 8NE

Tel: 01302 742520

Installed by:

Name.....

Address.....

.....

.....

.....

Tel:.....

Date installed.....

Model Type and (see data badge).....

Serial No. (see data badge).....

YEOMAN STOVES LTD

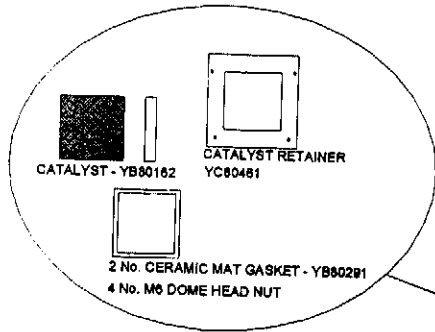
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Clyst St Mary • Exeter • Devon • EX5 1BP

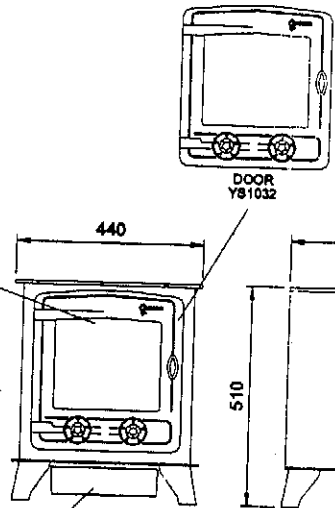
Tel 01395 • 234567 Fax 01395 • 234568

<http://www.yeoman-stoves.co.uk/>

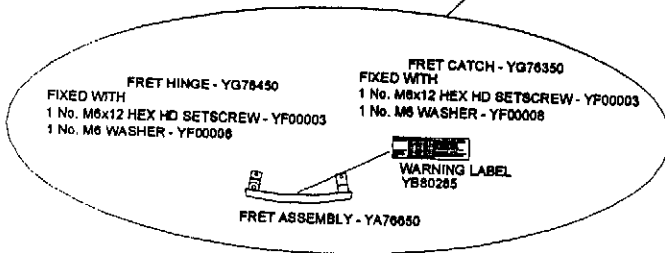
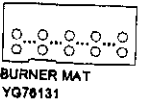
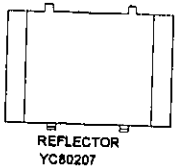
SIDBURY GAS STOVE



DOOR FIXED USING:
 2x HINGE PIN - YF00106
 2x HINGE EYE BOLT - YF00060
 4x M8 NUT - YF00019
 2x M8 WASHER - YF00008



BOXED EXMOOR NATURAL COAL YG78142



NATURAL BURNER ASSEMBLY - GSN (YG80305)
 OR
 LPG BURNER ASSEMBLY - GSL (YG80308)

RETAINED USING
 3 No. M6 CAGE NUTS
 3 No. M8x12 HEX HEAD SCREWS
 3 No. M6 WASHERS

