GAS HOB
MODEL ZGF 982

INSTRUCTION BOOKLET
Please read this instruction booklet before using the appliance
Important Safety Information

You MUST read these warnings carefully before installing or using the hob. If you need assistance, contact our Customer Care Department on 08705 727727

Installation

- This hob must be installed by qualified personnel, according to the manufacturer’s instructions and to the relevant British Standards.
- Any gas installation must be carried out by a registered CORGI installer.
- Remove all packaging before using the hob.
- Ensure that the gas and electrical supply complies with the type stated on the rating plate, located near the gas supply pipe.
- Do not attempt to modify the hob in any way.

Child Safety

- This hob is designed to be operated by adults. Do not allow children to play near or with the hob.
- The hob gets hot when it is in use.
- Children should be kept away until it has cooled.
- Children can also injure themselves by pulling pans or pots off the hob.

During Use

- This hob is intended for domestic cooking only. It is not designed for commercial or industrial purposes.
- When in use a gas cooking appliance will produce heat and moisture in the room in which it has been installed. Ensure there is a continuous air supply, keeping air vents in good condition or installing a cooker hood with a venting hose.
- When using the hob for a long period of time, the ventilation should be improved, by opening a window or increasing the extractor speed.
- Do not use this hob if it is in contact with water. Do not operate the hob with wet hands.
- Ensure the control knobs are in the ‘OFF’ position when not in use.
- When using other electrical appliances, ensure the cable does not come into contact with the hot surfaces of the cooking appliance.
- Unstable or misshapen pans should not be used on the hob as unstable pans can cause an accident by tipping or spillage.
- Never leave the hob unattended when cooking with oil and fats.
- Never use plastic or aluminium foil dishes on the hob.
- Perishable food, plastic items and aerosols may be affected by heat and should not be stored above or below the hob unit.

Service

- This hob should only be repaired or serviced by an authorised Service Engineer and only genuine approved spare parts should be used.

Environmental Information

- After installation, please dispose of the packaging with due regard to safety and the environment.
- When disposing of an old appliance, make it unusable, by cutting off the cable.

Keep this instruction book for future reference and ensure it is passed on to any new owner.
This appliance complies with the following E.E.C. Directives:
* 73/23 - 90/683 (Low Voltage Directive);
* 93/68 (General Directives);
* 89/336 (Electromagnetical Compatibility Directive);
* 90/396 (Gas Appliances), and subsequent modifications.
Description of the Hob

1. **Hob Top**
2. Auxiliary Burner
3. Semi-rapid Burners
4. Ultra-rapid Double-crown Burner
5. Rapid Burner
6. Ignition pushbutton
7. Control knob for front left burner (auxiliary)
8. Control knob for back left burner (semi-rapid)
9. Control knob for central burner (ultra-rapid)
10. Control knob for back right burner (semi-rapid)
11. Control knob for front right burner (rapid)

**INSTALLATION**

Any gas installation must be carried out by a registered CORGI installer, and in accordance with existing rules and regulations.

The relevant instructions are to be found in the second section of this manual.

Please, ensure that, once the hob is installed, it is easily accessible for the engineer in the event of a breakdown.

**WHEN THE HOB IS FIRST INSTALLED**

Once the hob has been installed, it is important to remove any protective materials, which were put on in the factory.
**Operation**

**HOB BURNERS**

To light a burner, push the relevant control knob in, turn it anticlockwise to maximum position, and depress the ignition pushbutton marked by a small electric spark symbol. Then adjust the flame as required.

If the burner does not ignite, turn the control knob to zero, and try again.

To ensure maximum burner efficiency, you should only use pots and pans with a flat bottom fitting the size of the burner used (see table).

<table>
<thead>
<tr>
<th>Burner</th>
<th>minimum diameter</th>
<th>maximum diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra-rapid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Double-crown)</td>
<td>180 mm.</td>
<td>260 mm.</td>
</tr>
<tr>
<td>Large (rapid)</td>
<td>160 mm.</td>
<td>240 mm.</td>
</tr>
<tr>
<td>Medium (semi-rapid)</td>
<td>120 mm.</td>
<td>220 mm.</td>
</tr>
<tr>
<td>Small (Auxiliary)</td>
<td>80 mm.</td>
<td>160 mm.</td>
</tr>
</tbody>
</table>

If you use a saucepan which is smaller than the recommended size, the flame will spread beyond the bottom of the vessel, causing the handle to overheat.

As soon as a liquid starts boiling, turn down the flame so that it will barely keep the liquid simmering.

**Using the Wok Stand**

A wok stand is provided to enable you to use a round bottomed wok on the hob. The wok stand must only be used on the central burner, and should not be used with any other type of wok or pan.

When fitting the wok stand, ensure the recesses in the frame fit securely onto the bars of the pan supports, as shown in the diagram.

Take care when frying food in hot oil or fat, as the overheated splashes could easily ignite.

If the control knobs become difficult to turn, please contact your local Zanussi Service Force Centre.
Before any maintenance or cleaning can be carried out, you must **DISCONNECT** the hob from the electricity supply.

The hob is best cleaned whilst it is still warm, as spillage can be removed more easily than if it is left to cool.

**The Hob Top**

Regularly wipe over the hob top using a soft cloth well wrung out in warm water to which a little washing up liquid has been added. Avoid the use of the following:

- household detergent and bleaches;
- impregnated pads unsuitable for non-stick saucepans;
- steel wool pads;
- bath/sink stain removers.

Should the hob top become heavily soiled, it is recommended that a cleaning product such as Hob Brite or Bar Keepers Friend is used.

**Pan Supports and Wok Stand**

To keep the pan supports in the correct position, they are hooked into hinges at the back of the hob. The pan supports can be lifted for easier cleaning, as shown in **fig. 1**.

To remove the pan supports completely, proceed as shown in **fig. 2**.

The pan supports and the Wok Stand are dishwasher proof. If washing them by hand, take care when drying them as the enamelling process occasionally leaves rough edges. If necessary, remove stubborn stains using a paste cleaner.

**The Burners**

The burner caps and crowns can be removed for cleaning.

Wash the burners taps and crowns using hot soapy water, and remove marks with a mild paste cleaner. A well moistened soap impregnated steel wool pad can be used with caution, if the marks are particularly difficult to remove.

After cleaning, be sure to wipe dry with a soft cloth.
If the hob is not working correctly, please carry out the following checks before contacting your local Zanussi Service Force Centre. **IMPORTANT:** If you call out an engineer to a fault listed below, or to repair a fault caused by incorrect use or installation, a charge will be made even if the appliance is under guarantee.

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>■ There is no spark when lighting the gas</td>
<td>◆ Check that the unit is plugged in and the electrical supply is switched on</td>
</tr>
<tr>
<td></td>
<td>◆ Check that the RCCB has not tripped (if fitted)</td>
</tr>
<tr>
<td></td>
<td>◆ Check the mains fuse has not blown</td>
</tr>
<tr>
<td></td>
<td>◆ Check the burner cap and crown have been replaced correctly, e.g. after cleaning.</td>
</tr>
<tr>
<td>■ The gas ring burns unevenly</td>
<td>◆ Check the main jet is not blocked and the burner crown is clear of food particles.</td>
</tr>
<tr>
<td></td>
<td>◆ Check the burner cap and crown have been replaced correctly, e.g. after cleaning.</td>
</tr>
</tbody>
</table>

If after all these checks, your hob still does not operate correctly, contact your local Zanussi Service Force Centre.

When you contact them, they will need the following information:
1. Your name, address and post code.
2. Your telephone number
3. The model and the serial number (which can be found on the rating plate)
4. Clear and concise details of the fault, for example when does the fault occur and how often.
5. Date of purchase

Please note that it will be necessary to provide proof of purchase for any in-guarantee service calls.

**In-guarantee customers should ensure that the above checks have been made as the engineer will make a charge if the fault is not a mechanical or electrical breakdown.**

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**Service and Spare Parts**

If you require spare parts or an engineer contact your local Service Force Centre by telephoning:

0870 5 929929

Your call will be routed to your local Service Force Centre. For further details, please see the accompanying Customer Care Booklet.

**CUSTOMER CARE**

For general enquiries concerning your Zanussi appliance, contact our Customer Care Department by letter or telephone as follows:

Customer Care Department
ZANUSSI
55-77 High Street
Slough
Berkshire
SL1 1DZ
Tel: 08705 - 727727
ZANUSSI GUARANTEE CONDITIONS

We, Zanussi, undertake that if, within 24 months of the date of the purchase, this Zanussi appliance or any part thereof is proved to be defective by any reason only of faulty workmanship or materials, we will, at our option, repair or replace the same FREE OF ANY CHARGE for labour, materials or carriage on condition that:

* The appliance has been correctly installed and used only on the gas and electricity supply stated on the rating plate.
* The appliance has been used for normal domestic purpose only, and in accordance with the manufacturer’s instructions.
* The appliance has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.
* All service work under this guarantee must be undertaken by a Zanussi Service Centre.
* Any appliance or defective part replaced shall become the Company’s property.
* This guarantee is in addition to your statutory and other legal rights.

Home visits are made between 8.30am and 5.30pm Monday to Friday. Visits may be available outside these hours, in which case a premium will be charged.

Exclusions

This guarantee does not cover:

* Damage or calls resulting from transportation, improper use or neglect, the replacement of any light bulbs or removable parts of glass or plastic.
* Costs incurred for calls to put right an appliance which is improperly installed or calls to appliance outside the European Community (EC) or European Free Trade Area.
* Appliances found to be in use within a commercial or similar environment, plus those which are the subject to rental agreements.
* Products of Zanussi manufacture which are not marketed by Zanussi.

European Guarantee

If you should move to another country within Europe then your guarantee moves with you to your new home subject to the following qualifications:

* The guarantee starts from the date you first purchased your product.
* The guarantee is for the same period and to the same extent for labour and parts as exist in the new country of use for this brand or range of products.
* This guarantee relates to you and cannot be transferred to another user.
* Your new home is within the European Community (EC) or European Free Trade Area.
* The product is installed and used in accordance with our instructions and is only used domestically, i.e. a normal household.
* The product is installed taking into account regulations in your new country.

Before you move, please contact your nearest Customer Care centre, listed below, to give them details of your new home. They will then ensure that the local Service Organisation is aware of your move and able to look after you and your appliances.

France Senlis +33 (0)3 44 62 29 99
Germany Nürnberg +49 (0)911 323 2600
Italy Pordenone +39 (0)1678 47053
Sweden Stockholm +46 (0)8 738 79 50
UK Slough +44 (0)1753 219897
Instructions for the Installer

Engineer technical data

OVERALL DIMENSIONS

Width: 860 mm.
Depth: 510 mm.
Height: 72 mm.
Weight: 12 Kg.

CUT OUT DIMENSIONS

Width: 830 mm.
Depth: 480 mm.
Thickness: 30 mm.

Ignition HT Spark

Spark Generator Ispra Control's BF 50066 - 240V 0.6 YA T 120
Spark Gap Fixed

Rear Left Burner (semi rapid)
Heat Input 2.0 kW (6824 BTU/HR)
Rear Right Burner (semi rapid)
Heat Input 2.0 kW (6824 BTU/HR)

Front Left Burner (auxiliary)
Heat Input 1.0 kW (3412 BTU/HR)
Front Right Burner (rapid)
Heat Input 3.0 kW (10236 BTU/HR)

Central Burner (Ultra-rapid Double-crown)
Heat Input 3.5 kW (11942 BTU/HR)

<table>
<thead>
<tr>
<th>TYPE OF GAS</th>
<th>CHARACTERISTICS</th>
<th>BURNER</th>
<th>RAPID (large)</th>
<th>SEMI-RAPID (medium)</th>
<th>AUXILIARY (small)</th>
<th>ULTRA-RAPID (double-crown)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATURAL GAS</td>
<td></td>
<td></td>
<td>POSITION</td>
<td>MAX</td>
<td>MIN</td>
<td>MAX</td>
</tr>
<tr>
<td>20 mbar</td>
<td>VALUE = 3.78 MJ/m³</td>
<td>NOMINAL THERMAL POWER kW</td>
<td>3.0</td>
<td>0.65</td>
<td>2.0</td>
<td>0.45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOMINAL FLOW RATE m³/h</td>
<td>0.286</td>
<td>0.062</td>
<td>0.190</td>
<td>0.043</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOZZLE REFERENCE 1/100 mm</td>
<td>119</td>
<td>Adjust.</td>
<td>96</td>
<td>Adjust.</td>
</tr>
<tr>
<td>LPG GAS</td>
<td></td>
<td></td>
<td>POSITION</td>
<td>MAX</td>
<td>MIN</td>
<td>MAX</td>
</tr>
<tr>
<td>28-30/37 mbar</td>
<td>VALUE = 49.92 MJ/m³</td>
<td>NOMINAL THERMAL POWER kW</td>
<td>2.8</td>
<td>0.65</td>
<td>2.0</td>
<td>0.45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOMINAL FLOW RATE g/h</td>
<td>202</td>
<td>47</td>
<td>144</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOZZLE REFERENCE 1/100 mm</td>
<td>86</td>
<td>40</td>
<td>71</td>
<td>32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Burner</th>
<th>Dia. Tap By-pass 1/100 mm</th>
<th>Tap colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary</td>
<td>28</td>
<td>Green</td>
</tr>
<tr>
<td>Semi-rapid</td>
<td>32</td>
<td>Green/Blue</td>
</tr>
<tr>
<td>Rapid</td>
<td>40</td>
<td>Green/Black</td>
</tr>
<tr>
<td>Ultra-rapid</td>
<td>56</td>
<td>Black/Red</td>
</tr>
<tr>
<td>Aeration adjustment none</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

APPLIANCE CLASS: 3

APPLIANCE
CATEGORY: II2H3+

APPLIANCE
GAS SUPPLY: Natural gas G20 / 20mbar
Important safety requirements

This hob must be installed in accordance with the Gas Safety (Installation and Use) Regulations (Current Edition) and the IEE Wiring Regulations (Current Edition).

Detailed recommendations are contained in the following British Standards Codes Of Practice: B.S. 6172/ B.S. 5440, Part 2 and B.S. 6891 Current Editions.

The hob should not be installed in a bed sitting room with a volume of less than 20 m³. If it is installed in a room of volume less than 5 m³ an air vent of effective area of 110 cm² is required. If it is installed in a room of volume between 5 m³ and 10 m³ an air vent of effective area of 50 cm² is required, while if the volume exceeds 11 m³ no air is required.

However, if the room has a door which opens directly to the outside no air vent is required even if the volume is between 5 m³ and 11 m³.

If there are other fuel burning appliances in the same room, B.S. 5440 Part 2 Current Edition, should be consulted to determine the requisite air vent requirements.

Location

The hob may be located in a kitchen, a kitchen/diner or bed sitting room, but not in a bathroom or shower room.

Before making the cut out in the worktop ensure that the edges of the hob that are to be near either a side or rear wall have a minimum distance of 55 mm between the edge of the hob and the wall.

The minimum distance combustible material can be fitted above the hob in line with the edges of the hob is 400 mm. If it is fitted below 400 mm, a space of 50 mm. must be allowed from the edges of the hob.

The minimum distance combustible material can be fitted directly above the hob is 700 mm.

A minimum distance of 100 mm. must be left between the side edges of the hob and any adjacent cabinets or walls.
Installation

IMPORTANT

This hob must be installed by qualified personnel to the relevant British Standards.

Any gas installation must be carried out by a registered CORGI installer.

The manufacturer will not accept liability, should the above instructions or any of the other safety instructions incorporated in this book be ignored.

On the end of the shaft, which includes the GJ 1/2" threaded elbow, adjustment is fixed so that the washer is fitted between the components as shown in the diagram. Screw the parts together without using excessive force.

Gas Connection

Connection to the gas supply should be with either rigid or semi-rigid pipe, i.e. steel or copper. The connection should be suitable for connecting to RC 1/2 (1/2 BSP male thread). When the final connection has been made, it is essential that a thorough leak test is carried out on the hob and installation. Ensure that the main connection pipe does not exert any strain on the hob.

It is important to install the elbow correctly, with the shoulder on the end of the thread, fitted to the hob connecting pipe. Failure to ensure the correct assembly will cause leakage of gas.

Cut Out Size

The dimensions of the cut-out are given in the diagram.

Rectangular cut-out size for hob
Building In

Building over a cupboard or drawer

If the hob is to be installed above a cupboard or drawer it will be necessary to fit a heat resistant board below the base of the hob on the underside of the work surface.

It is also recommended to carry out the electrical connection to the hob as shown in diagrams 1 and 2.

Building over a kitchen unit with door

Proper arrangements must be taken in designing the furniture unit, in order to avoid any contact with the bottom of the hob which can be heated when it is operated. The recommended solution is shown in diagram 3.

The panel fitted under the hob ("a") should be easily removable to allow easy access if technical assistance is needed. The space behind the kitchen unit ("b") can be used for connections.

Fitting the Hob into the worktop

Carry out the building in of the hob as follows:

- put the seals supplied with the hob, on the edges of the cut out, taking care that the seals meet without overlapping;
- place the hob in the cut out, taking care that it is centred;
- fix the hob with the relevant fixing clamps and screws, as shown in the diagram. When the screws have been tightened, the excess seal can be removed.

The edge of the hob forms a double seal which prevents the ingress of liquids.
Electrical connections

Any electrical work required to install this hob should be carried out by a qualified electrician or competent person, in accordance with the current regulations.

**THIS HOB MUST BE EARTHED.**

The manufacturer declines any liability should these safety measures not be observed.

This hob is designed to be connected to a 230-240V 50Hz AC electrical supply.

Before switching on, make sure the electricity supply voltage is the same as that indicated on the hob rating plate. The rating plate is located on the bottom of the hob. A copy is attached on the back cover of this book.

The hob is supplied with a 3 core flexible supply cord incorporating a 3amp plug fitted. In the event of having to change the fuse, a 3amp ASTA approved (BS 1362) fuse must be used.

Should the plug need to be replaced for any reason, the wires in the mains lead are coloured in accordance with the following code:

- Green and Yellow - Earth
- Blue - Neutral
- Brown - Live

— Connect the green and yellow (earth) wire to the terminal in the plug which is marked with the letter ‘E’ or the earth symbol or coloured green and yellow.

— Connect the blue (neutral) wire to the terminal in the plug which is marked with the letter ‘N’ or coloured black.

— Connect the brown (live) wire to the terminal in the plug which is marked with the letter ‘L’ or coloured red.

**NOTE:**

The earth wire should be about 2 cm. longer than the live and neutral wires.

Upon completion there must be no cut, or stray strands of wire present and the cord clamp must be secure over the outer sheath.

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Permanent Connection

In the case of a permanent connection, it is necessary that you install a double pole switch between the hob and the electricity supply (mains), with a minimum gap of 3 mm. between the switch contacts and of a type suitable for the required load in compliance with the current electric regulations.

The switch must not break the yellow and green earth cable at any point.

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Ensure that the hob supply cord does not come into contact with surfaces with temperatures higher than 50 deg. C.

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A cut off plug inserted into a 13 amp socket is a serious safety (shock) hazard. Ensure that the cut off plug is disposed of safely.
A. IGNITOR SWITCH
B. IGNITOR UNIT
Fault Finding

Preliminary Electrical Systems Check

A. EARTH CONTINUITY CHECK - Appliance must be electrically disconnected - meter set on Ω (Ohms) x 1 scale and adjust zero if necessary.

a) Test leads from any appliance earth point to earth pin on plug. Resistance should be less than 0.1 Ω (Ohm), check all earth wires for continuity and all contacts clean and tight.

B. INSULATION CHECK - Appliance electrically disconnected, all switches ON.

a) meter set on Ω (Ohms) x 1 scale. Test leads from L to N in appliance terminal block. If meter reads «0» then there is a short circuit.

b) meter set on Ω (Ohm) x 100 scale. Repeat test with leads from L to E. If meter reads less than ∞ (infinity) there is a fault.

NOTE - Should it be found that the fuse has failed but no fault is indicated - a detailed continuity check (i.e. by disconnecting and checking each component) is required to trace the faulty component.

It is possible that a fault could occur as a result of local burning/arcing but no fault could be found under test. However a detailed visual inspection should reveal evidence of burning around the fault.
Ignition System / Gas Ignition

YES

Check gas supply at burner

NO

Light burner manually

Check by pass simmer adjusted

Check position of the electrode

Check fitting of burners

Ignitor does not spark

NO

Check plug top fuse and replace if necessary

Check polarity and earth continuity of supply point

Check earth continuity of appliance

Check continuity from 'N' on the mains connector block and "O" on the ignitor unit

Check continuity from 'L' on the mains connector block and the taps ignition switches

Check continuity from ignition switches connector to ignitor unit

Check for breaks in the insulation of the HT leads

Change the ignition switch

Change the ignitor unit

Check continuity from the tip of each electrode to the terminals 1 to 5 on the ignitor unit

Check for breaks in the insulation of the HT leads

Change the ignition switch

Change the ignitor unit
Commissioning

When the hob has been fully installed it will be necessary to check the minimum flame setting. To do this, follow the procedure below.

- Turn the gas tap to the MAX position and ignite.
- Set the gas tap to the MIN flame position then turn the control knob from MIN to MAX several times.
  If the flame is unstable or is extinguished follow the procedure below.

Procedure:

  Re-ignite the burner and set to MIN.

  Remove the control knob, insert a thin bladed screwdriver down the centre of the gas tap control shaft and turn the adjustment screw until the flame is steady and does not extinguish, when the knob is turned from MIN to MAX. Repeat this procedure for all burners.

Pressure Testing

  Remove left hand pan support and front left burner cap and crown.

  Fit manometer tube over the injector.

  Turn on the burner gas supply and ignite another burner.

  The pressure reading should be nominally 20mbar and must be between 17 mbar and 25mbar.

  Turn off the burner supplies.

Conversion from Natural Gas to LPG

It is important to note that this model is designed for use with natural gas but can be converted for use with butane or propane gas providing the correct injectors are fitted. The gas rate is adjusted to suit.

Method

- Ensure that the gas taps are in the 'OFF' position
- Isolate the hob from the electrical supply
- Remove all pan supports, burner caps, rings, crowns and control knobs.
- With the aid of a 7mm box spanner the burner injectors can then be unscrewed and replaced by the appropriate LPG injectors.

TO ADJUST THE GAS RATE

With the aid of a thin bladed screwdriver completely tighten down the by pass adjustment screw, which is located down the centre of the gas tap control shaft. Upon completion stick the replacement rating plate on the under side of the hob.

IMPORTANT

The replacement/conversion of the gas hob should only be undertaken by a competent person.