

USER'S MANUAL

Please read this instructions
carefully before using

GAS HOB

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THESE INSTRUCTIONS ARE VALID ONLY FOR END USER COUNTRIES WHOSE IDENTIFICATION SYMBOLS(THESE COUNTRIES ABBREVIATION CODE)APPEAR ON THE CARTON LABEL.THE INSTRUCTIONS MUST BE TRANSLATED INTO OFFICIAL LANGUAGE ACCORDING TO THE COUNTRIES OF DESTINATION AND BE VALID IN THESE COUNTRIES.



INSTRUCTIONS FOR THE USER: these provide recommendations for use, a description of the controls and the correct procedures for cleaning and maintaining the appliance



INSTRUCTIONS FOR THE INSTALLER: these are intended for the qualified engineer who is to install, commission and test the appliance

Please pay attention to the amount of accessories, and make sure there is no scarcity or shatters

- ① Please contact with the dealer when our company or the dealer is responsible for the above carelessness.
- ② Please contact the nearest service center engaged by special arrangement if the user should bear the responsibility.

1. [Packing List]

- (1) Built-in gas hobone
- (2) Metal circle to fastening rubber tubeone
- (3) User's handbookone

2.USAGE PRECAUTIONS



This manual is an integral part of the appliance. Take good care of it and keep it to hand throughout the hob's life cycle.

We urge you to read this manual and all the information it contains carefully before using the appliance.

Installation must be carried out by qualified installer and that such installations shall comply with the requirements of SANS 10087-1 or SANS827 as applicable.

This appliance is intended for household use and complies with the EEC directives currently in force. The appliance is built to provide the following function: cooking and heating foods; all other uses are to be considered improperly.

The manufacturer declines all liability for uses other than those stated above.



This appliance is not connected to a combustion products evacuation device. It shall be installed and connected in accordance with current installation regulations. Particular attention shall be given to the relevant requirements regarding ventilation.

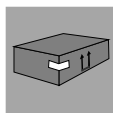


Prior to installation, ensure that the local distribution conditions (nature of the gas and gas pressure) and the adjustment of the appliance are compatible.

The appliance belongs to category III that are designed for use with gases of the three families.



Never use this appliance for heating rooms.



Never use packing residues unattended in the home. Separate the various waste packaging materials by type and consign them to the nearest separate disposal centre.

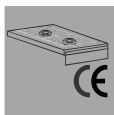


This appliance is marked according to the European directive 2002/96/ec on waste electrical and electronic equipment (WEEE). This guideline is the frame of European-wide validity of return and

recycling on waste electrical and electronic equipment.



The hob should not be installed in a 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 vent 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.



The nameplate with the technical data, serial number and mark are in a visible position underneath the casing. The nameplate must never be removed.

3. SAFETY PRECAUTIONS



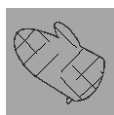
The appliance is intended for use by adults. Keep children at a safe distance and never allow them to play with it.



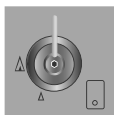
If the supply cord is damaged, it must be replaced by the manufacture, it's service agent or similarly qualified persons in order to avoid a hazard.



The method of fixing stated is not to depend on the use of adhesives since they not considered to be a reliable fixing means.



The appliance becomes very hot during use. Oven gloves should always be worn.



Always check that the control knobs are turned to off after each use



The manufacturer declines all responsibility for injury or damage caused by failure to comply with the above regulations or deriving from tampering with even just one part of the appliance and the use of non-original spare parts.



BURN-BACK (FIRE IN THE BURNER TUBE OR CHAMBER)

In the event of a burn-back, where the flame burns back to the jet, immediately turn the gas supply off at the control valve on the panel. After ensuring the flame is extinguished, wait for 1 minute and re-light the appliance in the normal manner. Should the appliance again burn back, close the control valve, and call a service technician. Do not use the appliance again until the service technician has declared that it is safe to do so.

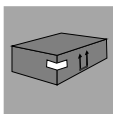
4. PACKAGE DISPOSAL INSTRUCTIONS –

ENVIRONMENT POLICY

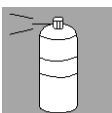
Our products are only packaged using non-pollutant, environment-friendly, recyclable materials. We urge you to cooperate by disposing of the packaging properly. Contact your local dealer or the competent local organizations for the addresses of collection, recycling and disposal facilities.

Never leave all or part of the packaging lying around. Packaging parts, and especially plastic bags, may represent a suffocation hazard for children.

Your old appliance must also be disposed of properly. Important: deliver the appliance to your local organization authorized to collect scrapped appliances. Proper disposal allows the intelligent recovery of valuable materials.



Never leave packaging residues unattended in the home. Separate waste packaging materials by type and consign them to the nearest separate disposal centre.



The inside of the appliance should be cleaned to remove all manufacturing residues. For further information, see point “CLEANING AND MAINTENANCE”.

5. INSTRUCTIONS FOR THE INSTALLER



The following operation requires building and/or carpentry work so must be carried out by a competent tradesman.

Installation can be carried out on various materials such as masonry, metal, solid wood or plastic laminated wood, as long as they are heat-resistant($T90^{\circ}\text{C}$)

IMPORTANT INFORMATION FOR THE INSTALLER

This appliance may only be installed by a qualified gas installer registered with the South African qualification and certification committee (SAQCC). The appliance must be installed in accordance with the requirements of SANS 10087-1 for use with LPG, SANS 827 for use with NG and any fire department regulations and/or local bylaws applicable to the area. If in doubt, check with the relevant authority before undertaking the installation. Upon completion of the installation, you are required to fully explain and demonstrate to the user the operational details and safety precautions applicable to the appliance and the installation.

5.1 Attachment to support structure, traditional built-in model

Create an opening with the dimensions shown in the figure 1 or refer to the table-board cutting template which in the carton. In the work surface, observing a minimum distance of 50mm from the rear edge. This appliance can be installed next to walls that are higher than the work surface, as long as the distance "X" is kept between the appliance and the wall, as shown in the figure, to avoid damage from overheating. Make sure there is a minimum of 750mm between the gas rings and any shelf that may be installed directly above them(figure 2).

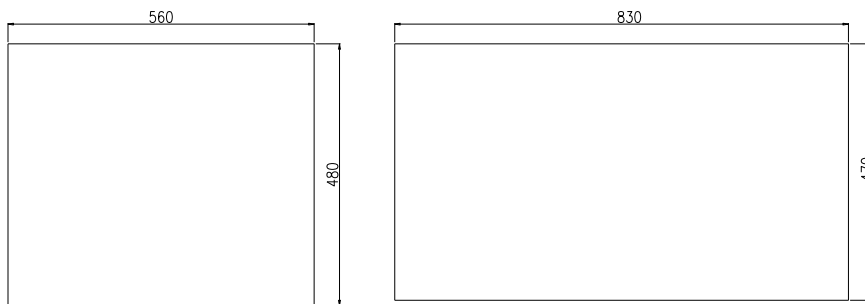


figure 1

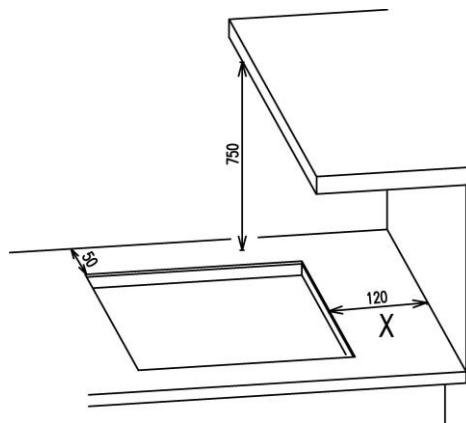


figure 2

Put the hob in the right place, then adjust the screw A (figure 3); adjust the screws from (A~C) to the right place (figure 4), make the plate contact tightly with the working top and fix the hob in the plate.

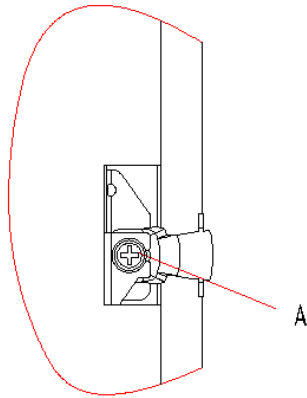


figure 3

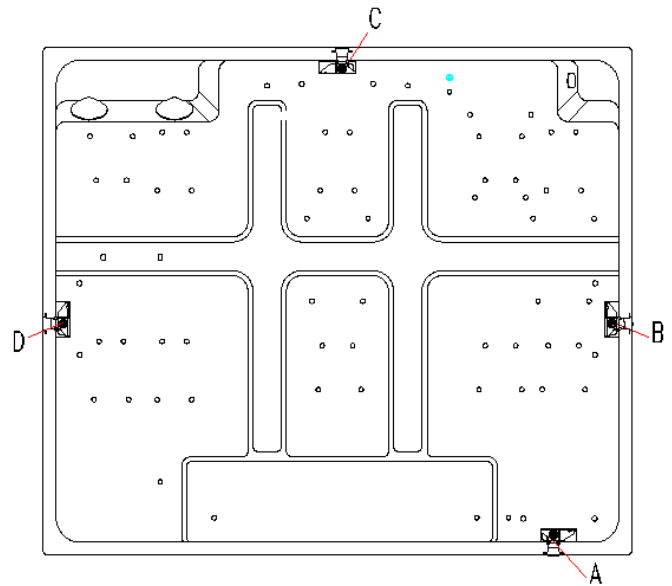
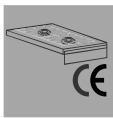


figure 4

5.2 Electrical connection

Connection of AC.



Make sure that the voltage and capacity of the power supply cable conform to the data shown on the plate located under the protective cover.

The power supply cable plug and the wall socket must be of the same type and conform to the current electrical system regulations. Make sure that the power line is adequately earthed.

On the power line, install an all-pole disconnect switch with minimum contact gap of 3mm located at an easily accessible position near the appliance.

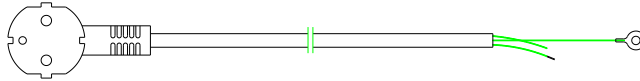
Do not use reducers, adapters or shunts.



If the power cable is to be replaced, the wire section on the new cable must not be less than 0.75mm^2 (3x0.75cable), bearing in mind that the end tube connected to the appliance must have the earth wire (yellow-green) at least 20mm longer.

Use only H05V2V2-F cable or similar which has a maximum

temperature of 90°C. Any replacement needed should be carried out by a specialized technician who should make the mains connections according to the following diagram.



L=brown

N=blue



=yellow-green

5.3 Gas connection

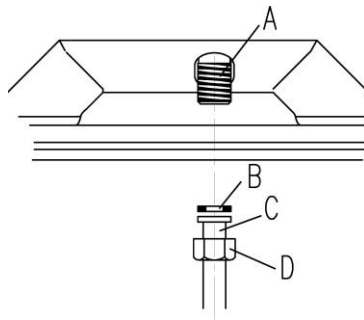
Connection to the gas mains may be made with a rigid copper pipe or with a flexible pipe conforming to the provisions defined by standard regulations in force.

After connection operations, make sure there is no leakage through the soapy solution.

If using the G20/G25 natural gas at a pressure of 20/25 mbar, check the leak-tightness; if using the liquefied petroleum gas (LPG), adjust the reducing valve and increase the normal pressure by 5 mbar, if the pressure can not be adjusted, use the normal gas pressure to check the leak-tightness.

5.3.1 Connection with rigid copper pipe:

Connect the gas supply and the product with the metal pipe (show in the figure), put the seal ring B to the surface of the joint C, and screw D to gas pipe A.

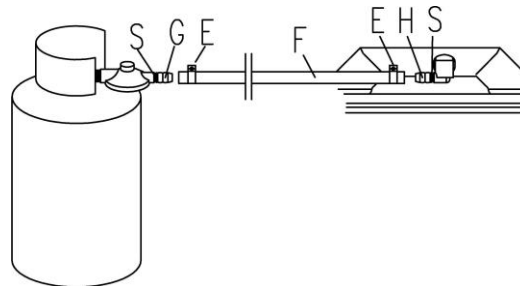


5.3.2 Connection with flexible steel pipe:

The gas supply should be LPG.

The elbow of the appliance and the pressure regulator is fast connectors. Hitch two metal circles E to the two end of the position S. Rotate metal circle E closely to F in order to avoid the flexible tube to be collapsed to make the gas run smoothly , don't let the flexible pipe be collapsed , drew and crushed .

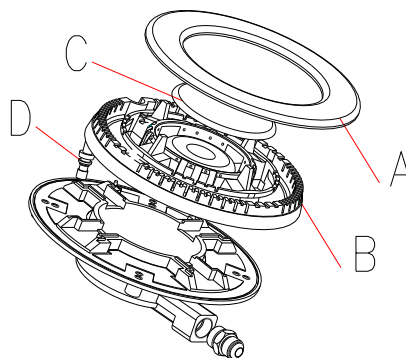
The flexible pipe must be installed so that pipe length does not exceed 2 meters of maximum extension. Make sure that the pipes do not touch any moving parts or become crushed.



5.4 Install the flame spread cap:

Install the flame spread cap before using the hob.

Take the flame spread cap out of the packaging bag, put down the flame cap .To make sure the flame spread cap is the right one, please check the position of the ignition pin D is right below the protector C.



5.5 Connection to LPG

Use a pressure regulator and make the connection to the tank according to the provisions of standard regulations in force. Make sure that feed pressure conforms to the levels shown in the table in paragraph “Burner and nozzle data tables”

GAS-PRESSURE REGULATOR

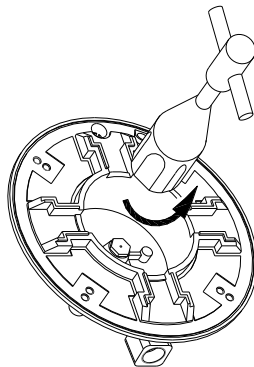
This appliance requires an operating pressure of 2.8 kPa at the appliance. A suitable LPG regulator that complies with the requirements of SANS 1237 must be installed.

5.6 Adapting to different types of gas

The appliance is tested with G20/G25 (2H) natural gas at the pressure of 20/25 mbar. If it is to be used with other types of gas, the burner nozzles have to be changed and the gas taps adjusted to set the minimum flame. To replace the nozzles, proceed as described below.

5.6.1 Changing the hob nozzles

- (1) Remove the panel, all the burner caps and the flame diffuser rings;
- (2) Use a 7 mm socket wrench to unscrew the burner nozzles;
- (3) Replace the burner nozzles depending on the type of gas to be used (see point “Burner and nozzles data tables”);
- (4) Put the burners back into place correctly.



5.6.2 Burner and nozzle data tables

Burner	Rated heating capacity (KW)	LPG-G30/G31 28~30/37/50 Mbar					
		Nozzle diameter 1/100mm		By-pass diameter 1/100 mm	Reduced flow rate (W)	Flow rate g/h G30	Flow rate g/h G31
		28~30/37	50				
Ultra rapid burner (1)	3.3	94	82	65(*)	177	239.75 g/h	235.82 g/h
rapid burner(2)	2.7	83	74	44(*)	177	196.16 g/h	192.94 g/h
Semi-rapid burner (3)	1.75	65	58	34(*)	140	127.14 g/h	125.06 g/h
Auxiliary burner (4)	1.0	52	45	29(*)	10	72.65g/h	71.46g/h

*:Diameters marked * must be fitted respectively on valves marked * shown inpoint “Regulation of minimum for natural gas”.

Burner	Rated heating capacity (KW)	Natural gas-G20/G25 20/25 mbar		
		Nozzle diameter 1/100mm	By-pass diameter 1/100 mm	Reduced flow rate (W)
Ultra rapid burner (1)	3.3	127	adjust	177
rapid burner(2)	2.7	113	adjust	177
Semi-rapid burner (3)	1.75	94	adjust	140
Auxiliary burner (4)	1.0	72	adjust	10

5.6.3 Countries of destination for cooking hot plates:

Country	Category	Gas type	Gas pressure(mbar)
AT	II2H3B/P	G20 - G30/G31	20 - 50/50
CZ-DK-EE-FI-LT-LV-NO SE-SI-SK-BG-RO-TR	II2H3B/P	G20 - G30/G31	20 - 30/30
CH-ES-GB-GR-IE-IT-PT	II2H3+	G20 - G30/G31	20 - 28-30/37
CY-MT-NL	I3B/P	G30/G31	30/30
BE-FR	II2E+3+	G20/G25 - G30/G31	20/25 - 28-30/37
DE	II2E3B/P	G20 - G30/G31	20 - 50/50
LU	I2E ; I3B/P	G20 ; G30/G31	20 ; 50/50

5.7 Final operations for gas appliances

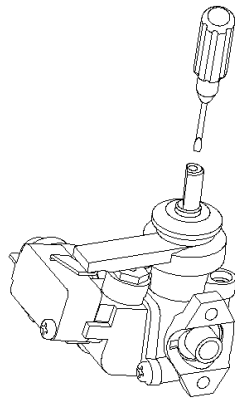
After making the adjustment described above, reassemble the appliance, reversing the procedures described in point “Changing the hob nozzles”.



After adjusting for use of a gas other than the gas used for testing the appliance, replace the gas setting label inside the warming compartment with the label for the new gas. The label is available from your nearest Authorized Service Centre.

5.7.1 Regulation of minimum for natural gas

Light the burner and turn it to the minimum setting. Remove the knob and adjust the regulator screw inside or beside the tap rod (depending on the model) until an even minimum flame is obtained. Put the knob back in place and check the stability of the burner flame (the flame must not go out when the knob is minimum setting). Repeat the operation on all the gas taps.



5.7.2 Regulation of minimum for LPG

To regulate the minimum for LPG, fully tighten the screw inside or next to the gas tap pin (depending on the model) in a clockwise direction. The diameters of the by-passes for each burner are given in table “Burner and nozzle characteristics table”.

5.7.3 Lubrication of gas taps

With time it may happen that the gas taps get blocked and hard to turn. Clean them inside and re-grease them. This operation must be done by an authorized person.

5.7.4 Greasing the gas taps

Over time, the gas taps may become stiff or jam. Clean their insides and change their lubricating grease. The operation must be carried out by a skilled technician.

Table 1: Types of connection used in various countries

	Categories I3B/P, I3+, I3P				Other categories		
	Without Threads	With threads		Push-on connector	With threads		Push-on connector
		ISO 7-1	ISO 228-1		ISO 7-1	ISO228- 1	
Austria	yes	yes	no	no	yes	no	no
Belgium	yes	yes	yes	yes	yes	no	no
Denmark	yes	yes	no	no	yes	no	no
Finland	yes	yes	yes	no	yes	yes	no
France	no	no	yes	no	no	yes	no
Germany	yes	yes	no	no	yes	no	no
Greece	yes	yes	no	no	yes	no	no
Iceland							
Ireland	yes	yes ¹	no	no	yes	no	no
Italy	yes	yes	yes	yes	yes ²	no	no
Luxembourg							
Netherlands	no	yes	no	yes	yes	no	no
Norway	yes	yes	no	no	no	no	no
Portugal	yes	yes	yes	yes	yes	yes	yes
Spain	no	yes	yes	yes	yes	yes	yes
Sweden	no	yes	yes	yes	yes	yes	no
Switzerland	yes	yes	no	yes	yes	no	no
United kingdom	yes	yes	no	no	yes	no	no

1) Taper — taper threads.

2) Taper — parallel threads.

3) Only G 1/2.

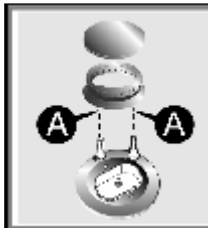
4) Except push-on connectors attached with a ISO 228—1 thread.

6. INSTRUCCIONES FOR THE USER

6.1 Using the hob

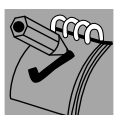
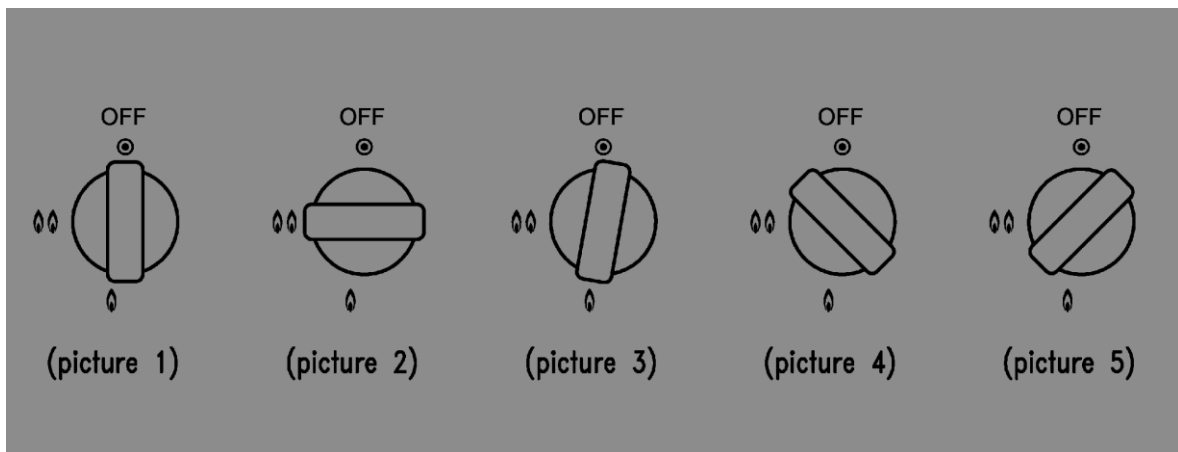


Before lighting the burners, make sure that the flame -spreader crowns and respective caps are properly fitted in their housings. Ensure the flame-spreader holes A are aligned with the ignition plugs and the thermocouples.



The burner it controls is shown next to each knob. The appliance is equipped with an electronic ignition device. Simply press the knob and turn it anti-clockwise to the maximum flame symbol (picture 2) , until the burner lights. If it does not light within the first 15 seconds, turn the knob to off (picture 1) and wait at least 60 seconds before trying to light the burner again.

On models equipped with valves, once the burner has ignited, keep the knob pressed down for a few seconds to allow the thermocouple to heat up. The burner may go out when the knob is released: in this case, the thermocouple has not heated up sufficiently. Wait a few moments and repeat the operation, keeping the knob pressed down for longer. Once the burner has been ignited, the flame can be regulated as required (picture 3, 4 , 5) . After each use of the hob, always check that the control knobs are turned to off.



If the burners should go out accidentally a safety device will be tripped about 20 seconds later, cutting off the gas supply even if the gas tap is open. In this case, turn the knob back to the off position and wait at least 60 seconds before trying to relight the burner.

6.2 Practical hints for using the burners



For better burner efficiency and to minimize gas consumption, use pans with flat, even bottoms with lid and of suitable size for the burner, so that flames do not reach up the sides of the pan (see point "5.3 Pan diameters "). Once the contents come to the boil point, lower the flames so that it does not boil over.



When cooking, to prevent burns or damage to the hob all pans or griddle plates must be placed inside the perimeter of the hob.

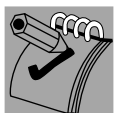
Take the greatest care when using fats or oils since they may catch fire if overheated.

6.3 Pan diameters



BURNER'S	ΦMIN. AND MAX. (IN CM)
1 Ultra Rapid (1)	20-26
2 Assistant (2)	16-24
3 <u>Semi-rapid</u> (3)	12-20
4 Auxiliary (4)	8-16

7. CLEANING AND MAINTENANCE



Never use a jet of steam for cleaning the appliance.

7.1 Cleaning the stainless steel surfaces



To keep stainless steel surfaces in good condition, it must be cleaned regularly, after each use of the appliance, first allowing it to cool.

7.1.1 Routine daily cleaning

When cleaning and caring for stainless steel surfaces, always use only specific products which do not contain abrasives or chlorine-based acids.

Instructions for use: pour the product onto a damp cloth and wipe over the surface, then rinse thoroughly and dry with a soft cloth or chamois leather.

7.1.2 Food stains or spills

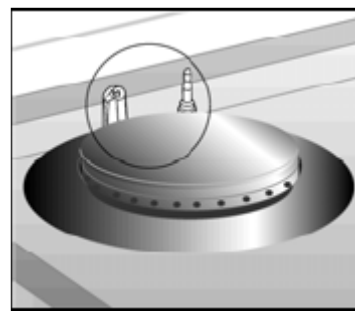
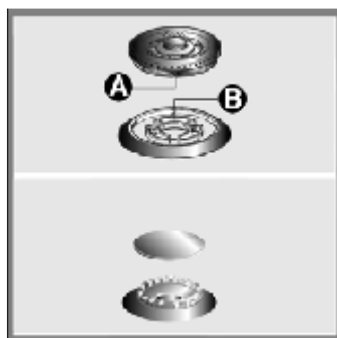
Never use metal scouring pads or sharp scrapers which will damage the

surface. Use ordinary non-abrasive products for steel, with the aid of wooden or plastic utensils if necessary. Rinse thoroughly and dry with a soft cloth or chamois leather.

7.2 Cleaning of cooking hob components

To facilitate cleaning, pan stand grids, caps, flame spreader crowns and burners are all removable; wash with warm water and non-abrasive detergent, taking care to remove all stubborn food residues. Wait for all parts to be fully dry before remounting. Refit the caps on the respective flame-spreader crowns, making sure that notches A align with burner pins B.

To work well, the ignition plugs and thermocouples must always be very clean. Check them frequently and clean them with a wet cloth if necessary. Any dry residue should be removed with a toothpick or a needle.



8. TROUBLESHOOTING

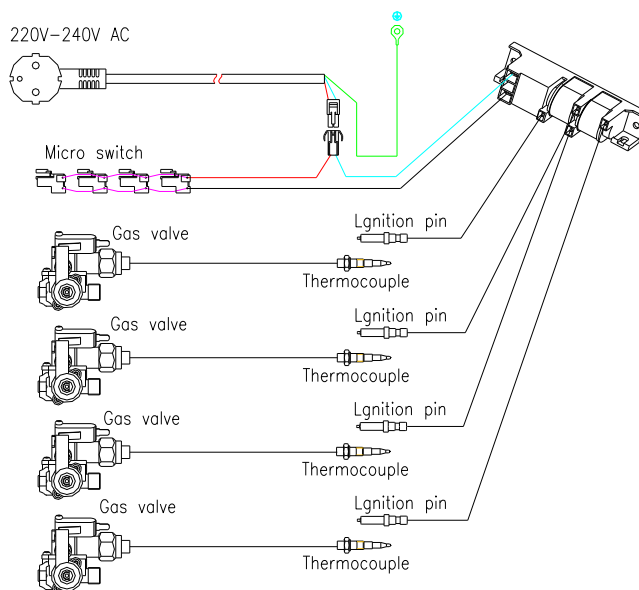
Problems	The cause of problem	Settlements for the problems
It won't fire	It is forgotten to open the general gas valve	Firstly turn off the knob, and then open the general gas valve
	Air is mixed into the gas pipe	Ignite repeatedly until the air is absolutely discharged
	The rubber tube bends or flattens	Unfold or change the rubber tube
	Ignition device and insulation point is dirty and damp	Clean it with a dried cloth
	Safety valve doesn't open	Press and turn the knob to intense fire, make sure the hob is fired and keep on pressing for 3 to 4 seconds

	The battery is out of use; the battery doesn't touch well; or the battery is up side down	Change the battery or refix the battery
	There's problem with the ignition device or the ignition pin is not in the right position	Ask the professional maintenance man for maintaining
There is a warning tone when ignition	The battery is low	Change the battery
Gas leak	The rubber tube cracks or breaks	Change the rubber tube
	The rubber tube joint doesn't connect well with rubber tube or other tube	Check the air-tightness of the gas tube and set it properly
Unstable flame	Whether the LPG is used up	Change into a new bottle of LPG
Soft and yellow flame	The throttle is not properly adjusted, and the air is insufficient	Gradually enlarge the throttle until the flame turns normal blue
The flame escapes from the dire hole or flameout is with fulmination	The throttle is not properly adjusted, and the air is insufficient	Gradually enlarge the throttle until the flame turns normal blue
Few flames	Injector or stopcock is jammed	Use a iron wire to dredge the injector or the valve core
The flame isn't in uniform length and the flame is yellow	Fire lid is not properly covered, and there' s charcoal other dirt stuffing the fire hole	Make sure that the fire lid is on the right position ; get rid of the dirt in the fire hole
The flame accidentally goes red	Under a certain climate, the gas is with much humidity	The flame turns red because there's calcium in water, so don't be worry about it

9. ELECTRIC WIRING DIAGRAM AND PARTS NAME DIAGRAM

【Electric Wiring Diagram】

4-burner hob



5-burner hob

