

# Eascookchef

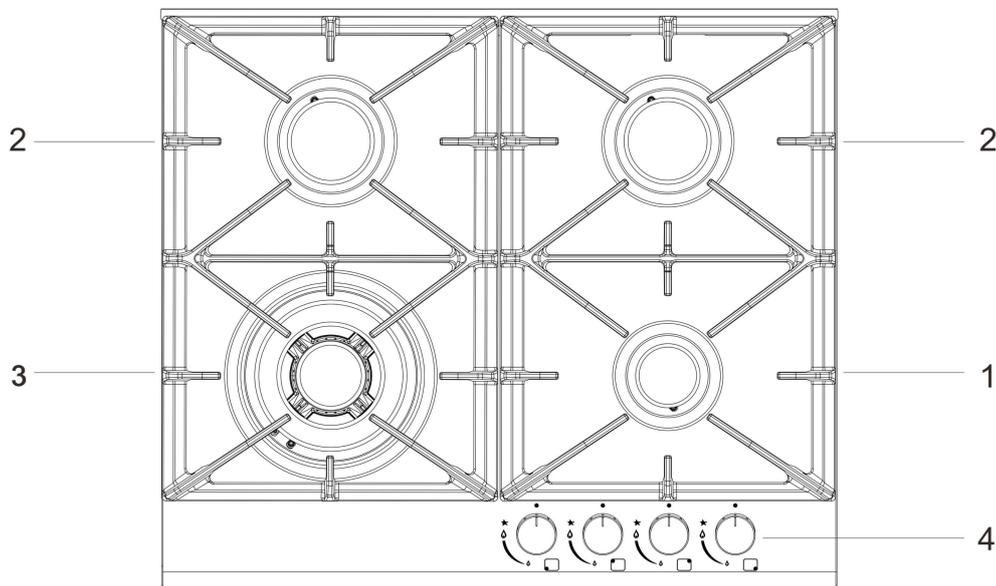
INSTALLATION AND USER' S MANUAL

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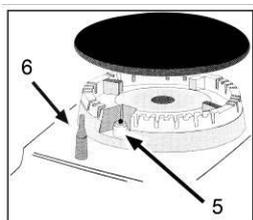
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Congratulations on choosing this appliance, which you will find it is dependable and easy to use. We advise you to read this manual for best performance and to extend the life of your appliance. Thank you.

## Close-up View



### PG6041G-HC2B



1. Auxiliary Burners
2. Semi-rapid burner
3. Triple ring wok burner
4. Control Knobs
5. Ignitor for Gas Burners (only on certain models)
6. Safety Device (only on certain models) - Activates if the flame accidentally goes out (spills, drafts, etc.), interrupting the delivery of gas to the burner.

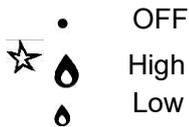
## How to Use Your Gas hob

The position of the corresponding gas burner is indicated on each control knob.

### Gas Burners

The burners are different in size and power. Choose the most appropriate one for the diameter of the cookware being used.

The burner can be regulated with the corresponding control knob by using one of the following settings:



### On models with a safety device

The knob must be pressed for about 6 seconds until the flame is established.

### On models with automatic igniters

These models are marked by “☆” near by the knobs.

When ignition first press and turn the appropriate knob anti-clockwise to reach the “☆” position, then push it downwards and rotate anti-clockwise to reach the large flame symbol position.

### To light a burner

Simply press in and turn the appropriate knob anti-clockwise to the large flame symbol, keep press down until the flame is established.

**Caution:** If the flame goes out accidentally, turn off the gas with the control knob and try to light it again at least 1 minute later.

**To turn off a burner** Turn the knob in the clockwise direction until it is stopped (it should be on the “●” position).

## How to Keep Your Gas hob in Shape

Before cleaning or performing maintenance on your gas hob, disconnect it from the electrical power supply (included battery power).

To extend the life of the gas hob, it is absolutely indispensable that it is cleaned carefully, thoroughly and usually, please keep in mind to the following:

- The enameled parts and the glass top, must be washed with warm water without using abrasive powders or corrosive substances which could ruin them;
- The removable parts of the burners should be washed usually with warm water and soap, make sure to remove caked-on substances;
- Automatic ignitor pin, the end must be cleaned carefully and usually, make sure ignition keep working normally.
- Stainless steel top plate and other steel parts can be stained if keep touch with high concentration calcareous water or corrosive detergents (containing phosphorus). To extend the life, we advise these parts be rinsed thoroughly with water and dry them by blowing. It is a good idea to clean up any spills too.
- After glass hob working, the surface must be cleaned by a damp cloth to remove dust or food residues. Glass surface should be cleaned regularly with warm water and non-corrosive detergent.

First, to remove all food residues or greases with a cleaning scraper, e.g.

While the cooking surface is warm, clean it with a suitable cleaning product and paper towels, then rub with a damp cloth and dry surface. Such as aluminum foil, plastic items, objects made of synthetic material, sugar or foods with a high sugar content that have been melted onto the surface, it must be removed immediately.

While the cooking surface is still hot, clean it with a scraper and a transparent protective film which

prevent to make more dirt. This also protect the surface from damage caused by food with a high sugar content.

Do not use abrasive sponges or cleaning products, these holds true for chemically aggressive cleaners, like oven sprays and stain removers (Fig.2);

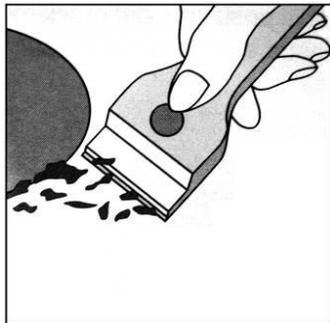


Fig.1

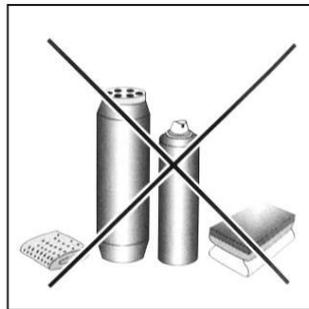


Fig.2

- Cleaning the grill/pan support, it is recommended to clean it while it is still hot. To move grill away from the hob and put it in sink, remove the food residues or grease first, after grill has cooled, rinse it with water.

### Greasing the Gas Valves

Over time, the gas valves may be sticked, and it is difficult to turn on/off. For this case, should clean the inside of valve and greased it.

**N.B.: This procedure must be performed by a technician authorized by the manufacturer.**

## Practical Advice

### Practical Advise on Using the Burners

For best performance, follow these general guidelines:

- Use the appropriate cookware for each burner (see below table) in order to prevent the flame to reach the side of the pot or pan;
- Always use cookware with a flat bottom and keep the lid on;
- When the contents come to a boil, turn the knob to small flame ("Low").

Burner	Ø Cookware diameter (cm)
Auxiliary burner	10~14
Semi-rapid burner	16~20
Triple ring wok burner	24~26

To identify the type of burner, refer to the designs in the section entitled, "Burner and Orifice Specifications".

### Practical Advice on Using the Half Fish-Kettle Burner

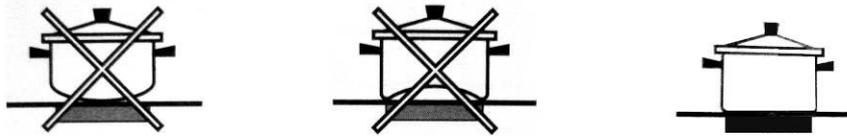
The two central burners, or Half Fish-Kettle burners, are elliptic in form and can be turned up to 90°. This makes the cooktop more flexible in terms of how it can be used.

To turn the two central burners 90°, proceed as follows:

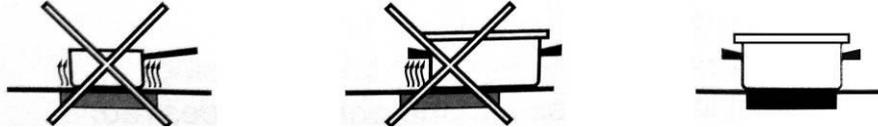
- Make sure that the burners are cool;
- Lift the burner completely out of its housing;
- Replace it in it housing in the position desired;
- Make sure that the burners are positioned correctly before use.

In addition, the two central burners can be used in tandem or separately with cookware of different sizes. For best performance, keep in mind the following:

- All types of casseroles can be used on the ceramic glass cooking surface. However, it is important that the bottom be perfectly flat. Casseroles with thicker bottom distribute heat more evenly.



The cookware bottom diameter at least as large as the cooking area so that all of the heat produced by the heating element is used.



- Make sure that the bottom of the pot is always dry and clean to insure good contact between the cookware and the cooking surface. This also extends the life of pots and ceramic glass surface as well.
- Do not use the same cookware which is for gas burners because the concentrated heat they produce can deform the bottom of the pot. Therefore, you will not achieve best results when using these pots on the ceramic glass surface.

## Is there a Problem?

If you find gas hob cannot work suddenly or cannot work properly. Before calling customer service for assistance, let us check what we can do.

First of all, check and confirm there are no interruptions to the gas and electrical supplies.

Particularly if the gas valves keep turning on.

### **The burner cannot be lighted or the flame is not uniform around the burner.**

*Check to make sure that:*

- The gas holes on the burner are not clogged;
- All of the movable parts that make up the burner are fixed correctly;
- There is no air flow around the cooking surface.

### **The flame does not keep lighting to the burner with thermocouple.**

*Check to make sure that:*

- You press the knob all the way;
- You keep pressing the knob for an enough time to activate the thermocouple.
- The gas holes are not clogged in the area corresponding to the thermocouple.

### **The flame goes out while turn knob to small flame ("Low") position.**

*Check to make sure that:*

- The gas holes are not clogged.
- There is no air flow around the cooking surface.

- The minimum has been adjusted correctly (see the section entitled "Low Flame Height Adjustment").

**The cookware is not stable.**

Check to make sure that:

- The bottom of the cookware is perfectly flat.
- The cookware is centered correctly on the burner.
- The grates have not been inverted.

After checked all of these, the gas hob still does not work properly, please call the Customer Service Center and inform them of:

--Tile type of problem.

--The gas hob model number (Model....) as indicated on the packing carton.

Never call the technicians who is not authorized by your supplier, and refuse to use the spare parts which are not from manufacturer.

### Installation Instructions for built-in

The following instructions are directed at the qualified installer, so the installation and maintenance procedures may be followed in the most professional and expert manner.

**IMPORTANT: Unplug the electrical connection before performing any maintenance or regular upkeep work.**

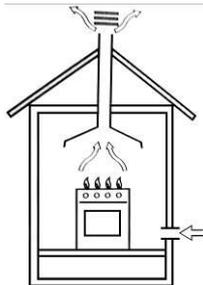
**Positioning for gas hob**

**IMPORTANT:** this unit may be installed and used only in permanently ventilated rooms according to the British Standard Codes of Practice: B.S. 6172 / B.S. 5440, Par. 2 and B.S. 6891 Current Editions.

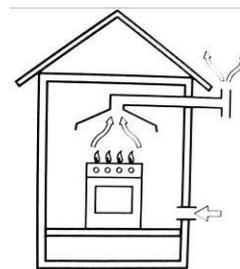
The following requirements must be observed:

- a) The room must be fitted with a ventilation system which ventilate smoke and gases from combustion to the outside of rooms.

This must be done by hood or electric ventilator.



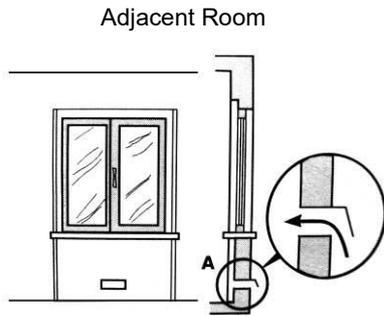
In a chimney stack or branched flue.  
(Exclusively for cooking appliances)



Directly to the Outside

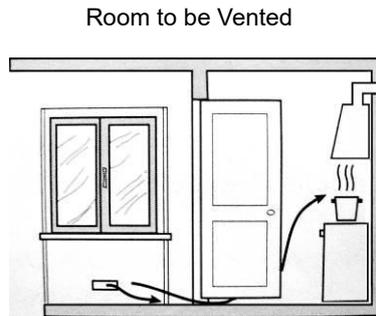
- b) The room must be allowed for the influx of the air which for proper combustion. The air flow for combustion purposes must not less than 2 m<sup>3</sup>/h per kW of installed capacity. The air supply will be affected by influx from the outside through a duct, its inner cross section is at least 100cm<sup>2</sup> and must not be blocked accidentally.

The gas hob without safety devices, to prevent flame go out accidentally, must have a ventilation working on twice volume. For example, a minimum of 200 cm<sup>2</sup> (Fig. 3). Otherwise, the room can be vented indirectly through adjacent rooms which is fitted with ventilation ducts to the outside. Al though the adjacent rooms are not shared areas, bedrooms, but fire risk is hidden (Fig. 4).



Examples of ventilation holes for comburent air.

**Fig.3**



Enlarging the ventilation slot between window and floor

**Fig.4**

- c) Intensive and prolonged working of the gas hob that need to intensify ventilation, e.g., opening windows or increasing the power of the air intake system (if present).
- d) Liquefied petroleum gases are heavier than air, so settle it downward. Rooms in which LPG tanks are installed must be fitted with ventilation to the outside to avoid of gas leakage.

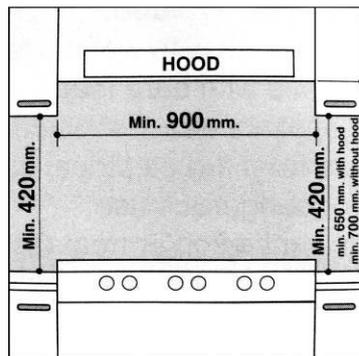
Therefore, LPG tanks which are empty or partially full, must not be installed or stored in rooms or spaces below ground level (cellars etc.). It is a good idea to keep only the tank which is working currently in the room, and make sure that it is not closed to heating source (ovens, fireplaces, stoves, etc.).

### Installation of built-in gas hob

The gas hobs are designed with protection degree against excessive heating, the appliance can be installed next to cabinets, and the height should not exceed the hob.

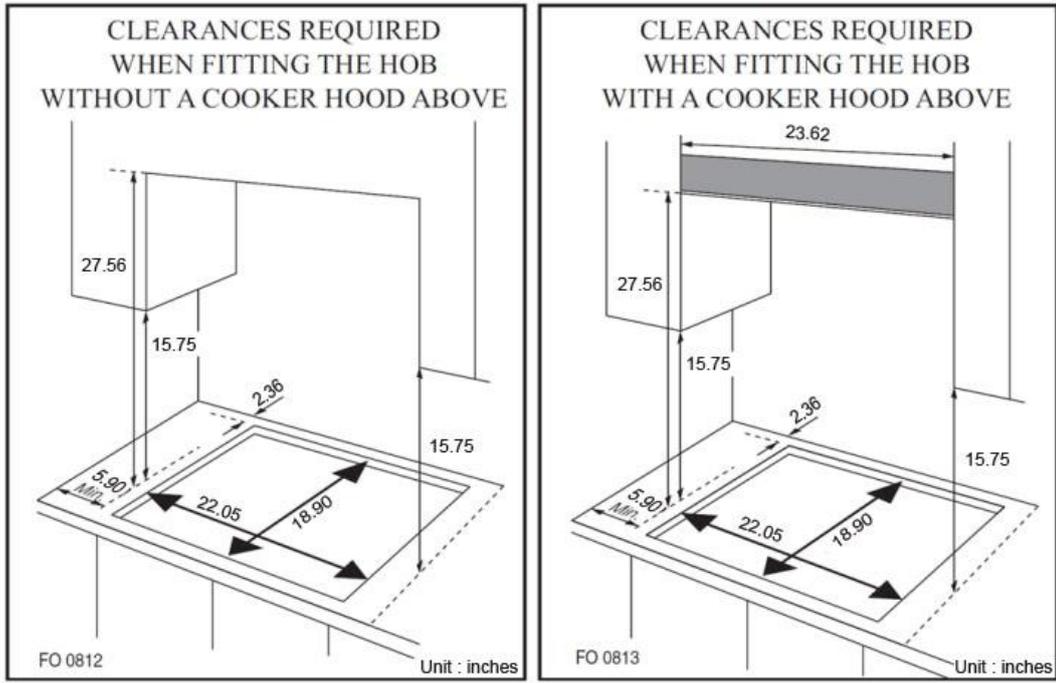
For a correct installation, the following precautions must be followed:

- a) The hob may be located in a kitchen, a diner or bed/ sitting room, but not in a bathroom or shower room.
- b) The furniture standing near to the unit, it is higher than the working boards, must be placed at least 110mm distance to the edge of the board.
- c) The cabinets should be positioned near to the hood at a height of 420 mm at least (Fig. 5).



**Fig.5**

- d) Hob should be installed directly under a cupboard, the latter should be at least 700mm from the worktop, Requirements for cabinet as following figure.



e) Install the hob on work top with fixing fittings (hooks, screws). The thickness of work top is 20 to 40 mm (see Fig. 6).

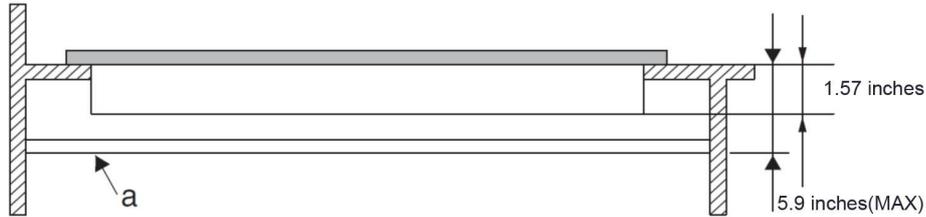
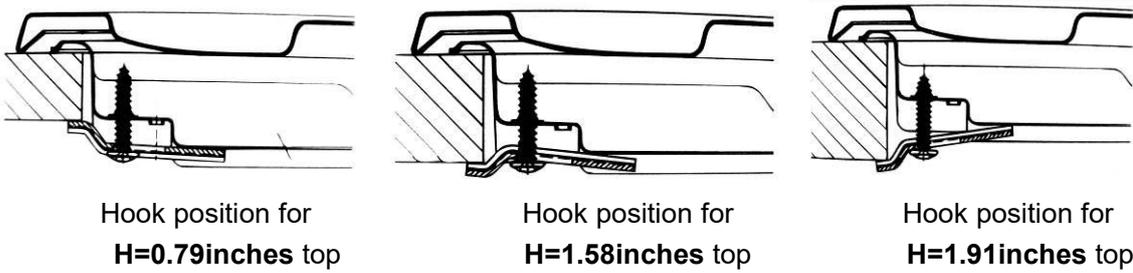


Fig.6



Hook position for  
**H=0.79inches** top

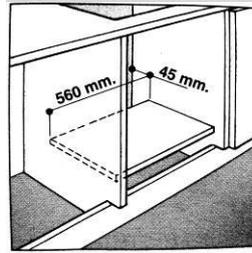
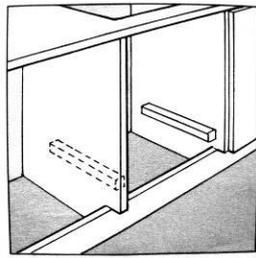
Hook position for  
**H=1.58inches** top

Hook position for  
**H=1.91inches** top

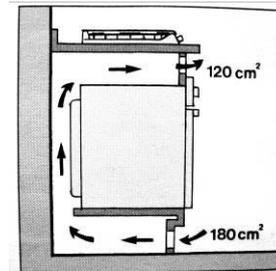
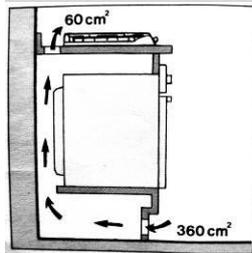
**N.B:** Use the hooks contained in the "accessories bag"

e) If the gas hob is not installed on a built-in oven, a wooden board must be inserted for insulation. This board must be placed at least 20 mm distance from the bottom of hob.

**IMPORTANT:** When installing the hob on a built-in oven, the oven should be placed on two wooden strips; in the case of a joining cabinet surface, remember to leave a space of 45 x 560 mm at least from the back side.



When install hob on a built-in oven without forced ventilation, ensure that have air inlets and outlets to ventilate the interior of the cabinet adequately.



### Gas connection for gas hob

The gas hob should be connected to the gas-supply line by a registered installer. During installation it is essential to fit an approved gas tap to isolate the supply from the hob for the convenience of any subsequent removal or servicing. Connect the hob to the gas mains or liquid gas, it must be carried out according to the prescribed regulation in force, and only after it is ascertained that it is adaptable to the type of gas to be used. If not, follow the instructions indicated in the paragraph headed "Adaptation to different gas types". In the case of connection to liquid gas by tank, use pressure regulators that conform to the regulation in force.

**Important:** For safety, for the correct regulation of gas use and long life of the hob, ensure that the gas pressure conforms to the indications given in table 1 "Burners and Orifice Specifications".

### Connection to non-flexible tube (copper or steel)

Connection to the gas source must be done in such a way as to not create any stress points at any part of the gas hob.

The hob is fitted with an adjustable "L" shape connector and a gasket to the gas supply.

The connector should be dismantled and the gasket must be replaced.

The feeding connector of the gas to the hob is threaded 1/2 gas cylinder.

### Connection to flexible steel tube

The gas feed connector to the hob is threaded, 1/2" connector for round gas pipe. Only use pipes and sealing gaskets that conform to the standards currently in force. The maximum length of the flexible pipes must not exceed 2000 mm. Once the connection has been made, ensure that the flexible metal tube does not touch any moving parts and not be crushed.

### Check the Seal

Once the hob was installed, make sure all the connections are properly sealed, use a soapy water to test, never use flame.

## Electrical Connection

The hob fitted with a tripolar electrical supply cord which are designed to be used alternating current. According to the indications on the rating plate located under the hob. The earthing wire can be identified by its yellow-green color.

In the case of installation over a built-in electric oven, the electrical connections for the hob and oven should be independent, not only for safe purpose, but also be convenient to remove them in the future.

## Electrical Connection for Gas hob

Fit the supply cord with a standard plug for the demand rate indicated on the rating plate or connect it directly to the electrical mains. In the latter case, a single pole switch must be placed between the hob and the mains, with a minimum opening between the contacts of 3 mm in compliance with current safety codes (the earthing wire must not be interrupted by the switch). The power supply cord must be positioned so that it does not reach a temperature in excess of 50°C than room temperature at any point.

Before actual connection make sure that:

- The fuse and electrical system can withstand the load required by the hob;
- The electrical supply system is equipped with an efficient earth hook-up according to the norms and regulations prescribed by law;
- The plug or switch are easily accessible.

## Gas conversions

**IMPORTANT:** The gas conversion must be completed by qualified installation personnel. Before the conversion, turn off the gas supply to the cooktop and disconnect the electrical power.

**Tools needed** (Not supplied)

- Flat-blade screwdriver
- 7 mm nut driver
- 7 mm Hexagon socket wrench

**Parts supplied**

- LPG orifice package

### To Convert Gas Supply Line

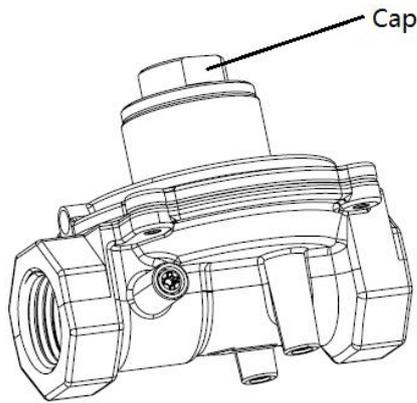
1. Turn manual shutoff the valve in gas supply line to the closed position.
2. Unplug cooktop or disconnect power.
3. Convert the gas supply line: convert the NG gas supply line to the LPG gas supply line.

**To Convert Gas Pressure Regulator** (Not included in the product)

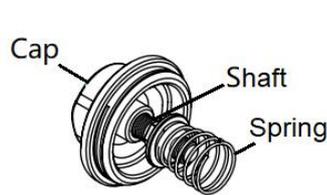
**NOTE:** The pressure regulator (Not included in the product) adjustment should be done by a qualified technician.

Remove the cap of gas pressure regulator (Not included in the product) (Fig.7), unscrew the shaft covered with spring in cap by hand and adjust the direction of spring end. Figure 8 is for LPG. Figure 9 is

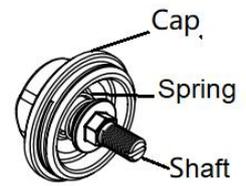
for NG. Then install the cap back after adjustment.



**Fig.7** Gas Pressure regulator



**Fig.8** This is for LPG



**Fig.9** This is for NG

### **To Convert Gas Orifice**

Use the following table to match the correct gas orifices with the burner location being converted.

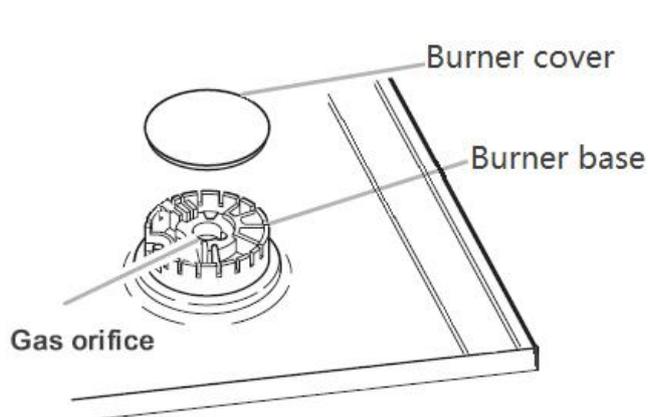
Table1: Burners and Orifice Specifications for gas

Burner	NG		LPG		Stamped orifice size 
	Normal Burner Capacities (kW)	Orifice opening size (mm)	Normal Burner Capacities (kW)	Orifice opening size (mm)	
<b>Auxiliary (Bottom-Left)</b>	<b>1.0</b>	<b>0.75</b>	<b>1.0</b>	<b>0.53</b>	
<b>Semi rapid (Top-Left &amp; Top-Right)</b>	<b>1.8</b>	<b>1.0</b>	<b>1.8</b>	<b>0.68</b>	
<b>Triple Ring (Bottom-Left)</b>	<b>3.4</b>	<b>1.3</b>	<b>3.4</b>	<b>0.93</b>	
<b>Supply gas pressures</b>	5" W.C.		10" W.C.		

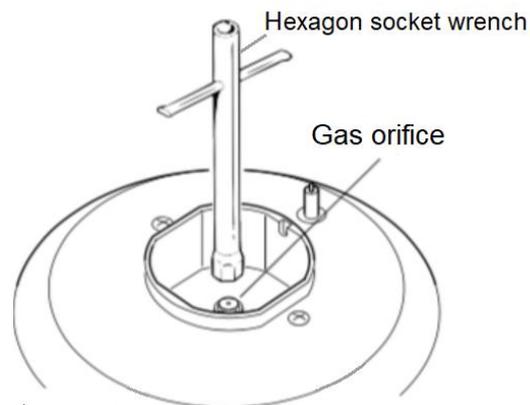
**CAUTION:** Before the of convert gas orifice, the valve in gas supply line must be turned manual shutoff to the closed position. Unplug cooktop or disconnect power.

1. Remove the burner grates.
2. Remove a burner cap.
3. Remove the burner base.

**NOTE:** Remove one burner base at a time. Then replace an orifice. Do not disassemble entire cooktop.



**Fig.10**



**Fig.11**

4. Using the 7 mm hexagon socket wrench to remove the orifice by turning it counterclockwise (as Fig.11). Set gas orifice aside.

5. Replace this orifice with the orifice to be used. see table 1.

6. Install the burner base and burner back.

7. Repeat steps 1 ~ 6 to replace remaining gas orifices.

**NOTE:** Save these gas orifices for future conversion back to natural gas.

### **To Test Leakage of Cooktop**

**NOTE:** If no professionals and the user doesn't have testing equipment, soapy water is recommended to detect leakage.

1. Connect the hob to the gas supply line, but NOT electricity.
2. Mix water and detergent together, and brush the soapy water on gaps of gas orifice connecting to cooktop. Bubbles will show, indicating a leak. Correct any leaks found.
3. Plug in cooktop or reconnect power.

**IMPORTANT:** After you have converted the gas hob to another gas type, make sure you have placed a label containing that information on the appliance.

### **Low Flame Height Adjustment**

**NOTE:** Each burner flame has been factory set to the lowest position available to provide reliable and constant reignition of the burner; however, each burner can be adjusted.

When the gas convert from NG to LPG or from LPG to NG, the gas adjustment screw must be adjusted.

### **To Adjust:**

**IMPORTANT:** It is prohibited to adjust the flame between the Burner OFF and Burner ON large flame positions.

1. After lighting, turn each control knob to the smallest flame position. If the burner does not stay lit on the smallest flame position, turn the control knob to “★” position until the burner lights.
2. Remove control the knobs and rubber rings under knob. The screws head can be seen.
3. Adjust the screw with a flat-blade screwdriver as figure 12.

4. The flame size can be increased or decreased by turning the screw. Adjust flame until you can quickly turn the control knob from the large flame to smallest flame position without extinguishing the flame. The flame should be as small as possible, and a steady blue flame without going out.

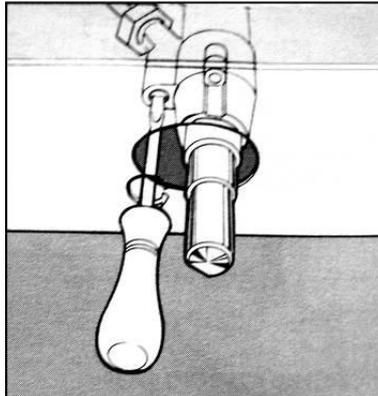


Fig. 12

## Flame selection

When the burners are adjusted correctly, the flame should be light blue, and the inner flame should be clear. The size of flame depends on the position of the related control knob.

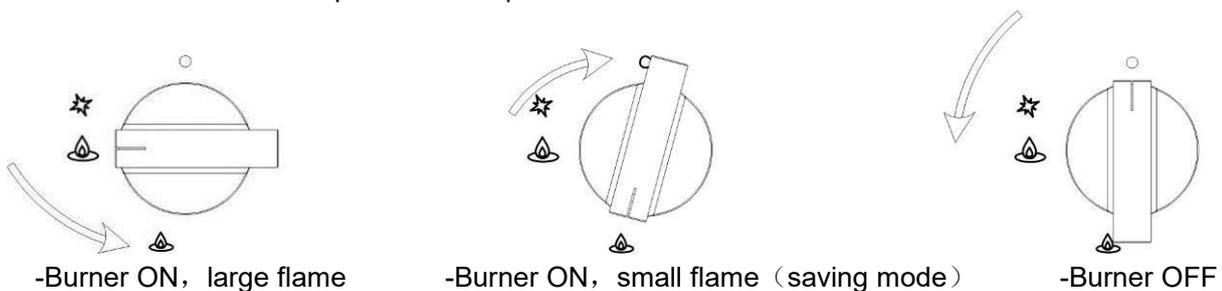


Fig.13

The Fig.13 is for various options (flame size selection); the burner should be set at a large flame during the initial phase of cooking, it makes food boil quickly. Then should turn knob to the small flame position to maintain the cooking. It is possible to adjust the flame size stepless.

Large amount of energy can be saved if the hob is used correctly, parameters are set correctly, and appropriate cookware are used.

The energy conservation be as follows:

- Up to 60% are saved when proper pots are used,
- Up to 60% are saved when the unit is operated correctly and the suitable flame size is set.

It is a prerequisite for efficient and energy-saving operation of hob that the burners are kept clean at all times (especially the slots of burner base and orifices).

**TABLE 3: Adapting to different types of gas**

Burner	NG	Pressure	Nozzle diameter	Nominal Charge			
		W.C.	1/100mm	g/h	l/h	kW	kcal/h
Auxiliary	NG	5	75	—	76	1.0	702
	LPG	10	53	66.5	—	1.0	702
Semi-rapid	NG	5	100	—	134	1.8	1268
	LPG	10	68	119	—	1.8	1268
Rapid	NG	5	115	—	183	2.4	1694
	LPG	10	79	156	—	2.4	1694
Triple-ring wok	NG	5	130	—	260	3.4	2374
	LPG	10	93	224	—	3.4	2374

**NOTICE:**

- A. Prior to installation, ensure that the local distribution condition (nature of the gas pressure) and the adjustment of the appliance are compatible.”
- B. “The adjustment conditions for this appliance are stated on the rating label.”
- C. “This gas hob is not connected to combustion products evacuation device. It shall be installed and connected in accordance with current installation regulations. Particular attention shall be given to the relevant requirement regarding ventilation.”
- D. “CAUTION: The use of a gas hob lead to the production of heat, moisture and products of combustion in the room in which it is installed. Ensure that the kitchen is well ventilated especially when the hob is in working: keep natural ventilation holes open or install a mechanical ventilation device.”

## **Eascookchef**

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