

# **Operation / Installation Manual**

### **Built-In Hob**

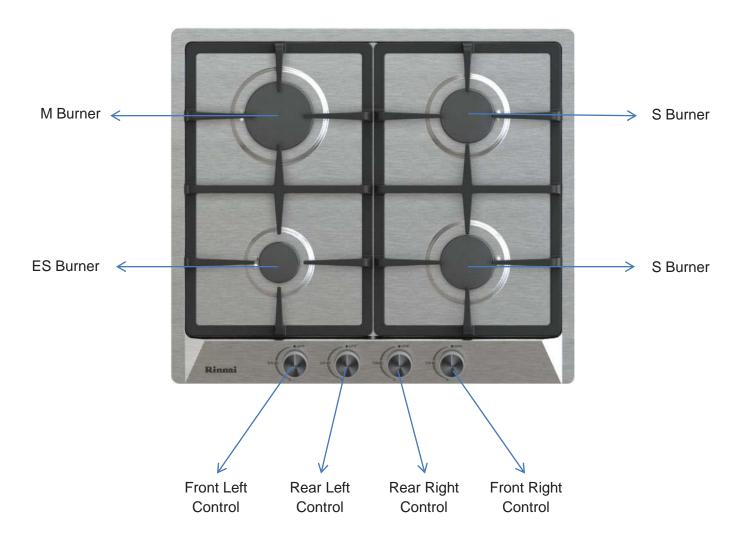
RB-63SSV-DL (LPG) RB-63SSV-DL (TG)
RB-63SSV-DR (LPG) RB-63SSV-DR (TG)
RB-64SSV-D (LPG) RB-64SSV-D (TG)
RB-63SSV-AL (LPG) RB-63SSV-AL (TG)
RB-63SSV-AR (LPG) RB-63SSV-AR (TG)
RB-64SSV-A (LPG) RB-64SSV-A (TG)

Rinnai Corporation

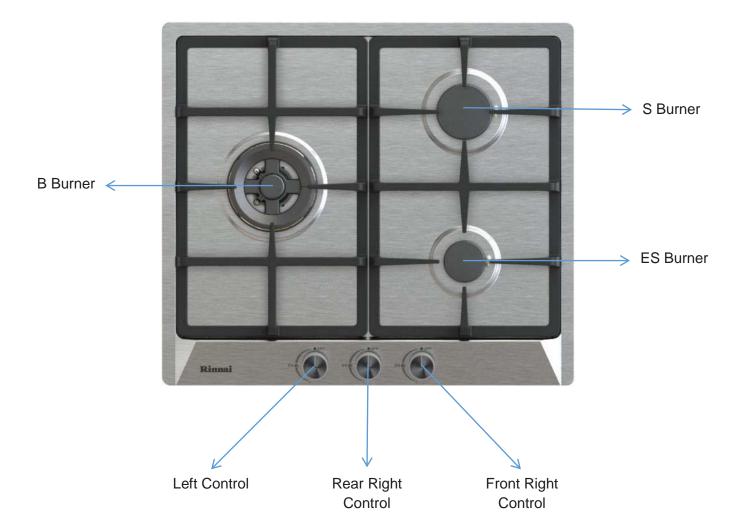
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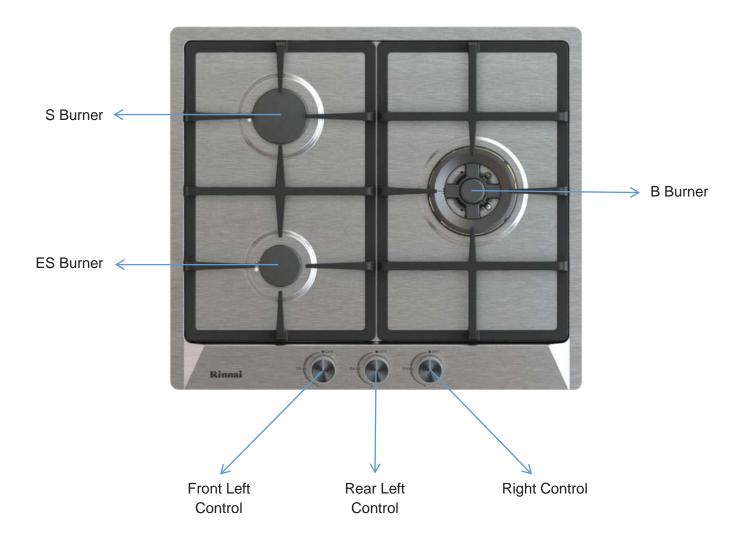
### RB-64SSV-D/RB-64SSV-A



### **RB-633V-DL/RB-633V-AL**



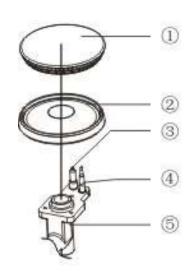
### **RB-633V-DR / RB-633V-AR**



# **Guide to the Appliances**

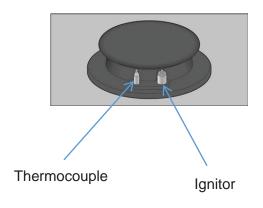
### **Burner Assembly**

M, S, ES Burner

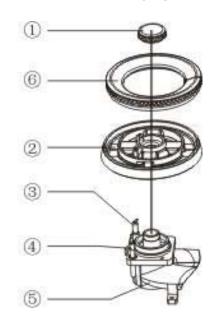


- 1 Burner cap
- 2 Burner base
- 3 Ignitor
- 4 Thermocouple
- 5 Burner head

## Safety Cut Off System



### B Burner



- 1 Simmer cap
- 2 Burner base
- 3 Ignitor
- 4 Thermocouple
- 5 Burner head
- 6 Burner Ring

Your hob comes with a safety device (thermocouple) that prevents the flow of gas to the burners if the flames were to suddenly go off.

To use the burner again, turn the control clockwise to the "o" position, and then switch it back on as normal. The safety cutout operates independently from the electricity supply

To ensure that this device is active, switch on the burner as usual and, without releasing the control, press and hold it down firmly for 5 seconds after lighting the flame.

# **Specification (LPG)**

Rinnai	DC	RB-63SSV-DL	RB-63SSV-DR	RB-64SSV-D
Model No.	AC	RB-63SSV-AL	RB-63SSV-AR	RB-64SSV-A
Cut-out Size(mm)		555×475 4-R20	555×475 4-R20	555×475 4-R20
Product Size	(mm)	580×510×120	580×510×120	580×510×120
		Left: 4.5	Right: 4.5	Rear Left : 2.2
	LPG	Rear Right: 1.8	Rear Left : 1.8	Front Left: 1.2
	LPG	Front Right: 1.2	Front Left : 1.2	Rear Right : 1.8
Dating (I/M)		NIL	NIL	Front Right : 1.8
Rating (kW)	TG	Left: 4.5	Right: 4.5	Rear Left : 3.0
		Rear Right: 2.0	Rear Left : 2.0	Front Left : 1.3
		Front Right : 1.3	Front Left : 1.3	Rear Right : 2.0
		NIL	NIL	Front Right : 2.0
Top plate	Э	Stainless Steel	Stainless Steel	Stainless Steel
		Left : (B)	Right:(B)	Rear Left : (M)
Burners		Rear Right : (S)	Rear Left : (S)	Front Left : (ES)
		Front Right: (ES)	Front Left : (ES)	Rear Right /Front Right : (S)
Pan Support		Cast Iron	Cast Iron	Cast Iron
Knob		Cylindrical	Cylindrical	Cylindrical
Flame Safety Device		Yes	Yes	Yes
Ignition	DC	(DC1.5V)	(DC1.5V)	(DC1.5V)
	AC	AC (220~240)V	AC (220~240)V	AC (220~240)V

*Note:* The manufacturer reserves the right to effect any technological improvement or modification without prior notice.

To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before installation and using it for the first time. They contain important notes on installation, safety, operation and care.

Keep this manual in a safe place and ensure that new users are familiar with the instructions. Pass them on to any future owner.

### **Safety Precautions**

- All operations including installations, repairs, maintenance, gas and electrical connection or conversion to other types of gas must be carried out by a suitably qualified and competent person as set out by the local gas and electricity providers. You are to contact your local Rinnai Customer Care Centres if there is a need to convert to another type of gas.
- Using the gas hob will cause a build-up of heat and moisture in the room in which it is installed. Ensure that the room has sufficient natural or mechanical means of ventilation, e.g. an extractor.
- If the hob is used for very long periods of time additional ventilation of the room may be necessary, e.g. by opening windows or doors, or running the extractor on the highest setting.
- This gas hob is not designed for commercial or professional use. It is only intended for use in domestic households. Any other usage of the appliance other than the purpose in which it is designed for could void the warranty. The manufacturer is exempt from all responsibilities resulting from incorrect or improper use or operation.
- This appliance is not intended for use by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised whilst using it, or have been shown how to use it by a person responsible for their safety.
- This appliance leaves the factory set to the type of gas that is indicated on the specifications plate. If this must be changed, call your local Rinnai Customer Care Centres.
- Never open the outer casing of the appliance. Tampering with electrical connections or components and mechanical parts is highly dangerous to the user and can cause operational faults
- The surfaces of cooking appliances heat up during use. Care must be taken when using these appliances. Keep children well away from this appliance.
- Fats or oil which is overheated can catch fire easily. Do not leave oil or fats to heat up unattended. If oil or fats do catch fire, never use water to put the fire out. Put the fire out by covering the pan with a lid and switch off the appliance.

- Do not store or use corrosive chemicals, steamers, flammable materials or non-food products below or near this domestic appliance.
- If the appliance has not been used for a long period of time it should be thoroughly cleaned before it is used again. It is also advisable to have the appliance tested for safety
- If a cooker hood is installed above the gas hob, ensure that the burners are always covered with a pan when in use. Otherwise flames could reach the cooker hood, parts of which could then be damaged or set on fire.
- Do not flambé under a cooker hood. The flames could set the cooker hood on fire.
- Do not use the appliance as a resting place for anything else. The article could melt or catch fire if residual heat is still present or if the appliance is switched on by mistake.
- Do not cover the appliance, e.g. with a cloth, kitchen foil, etc. This could be a fire hazard
  if residual heat is still present or the appliance is switched on by mistake.
- Do not uses plastic or aluminium foil containers. These melt at high temperatures and could catch fire.
- Do not heat up unopened tins of food on the hob as pressure will build up in the tin, causing it to explode. This could result in injury and scalding or damage.
- Make sure all the components of the gas burners have been correctly assembled before switching on.
- Pans must be the correct size for the burner they are used on (see "Suitable pans"). A
  pan which is too small will be unstable on the pan support. If the pan diameter is too
  large, flames can spread out to the sides and damage or burn the worktop, wall
  claddings or surrounding units and also parts of the hob
- Before connecting the appliance to the mains electricity supply, make sure that the data quoted on the data plate match the household mains supply, otherwise the appliance could be damaged. Consult a qualified electrician if in any doubt.
- o If the appliance is supplied without a plug, or if the plug is removed, it must be connected to the mains electricity supply by a suitably qualified and competent electrician in strict accordance with current local safety regulations. The manufacturer cannot be held liable for damage caused by incorrect installation or connection.
- Connection to the gas supply must be carried out by a suitably qualified and competent person in strict accordance with current local safety regulations

- o For safety reasons, this appliance may only be used when it has been built in.
- Installation, maintenance and repairs may only be carried out by a suitably qualified and competent person in strict accordance with current local safety regulations.
- During installation, maintenance and repair work, the appliance must be disconnected from the gas supply and mains electricity supply. While the appliance is under warranty, repairs should only be undertaken by a service technician authorised by Rinnai.
   Otherwise the guarantee is invalidated.
- Faulty components must only be replaced with genuine original spare parts. The manufacturer can only guarantee the safety of the appliance when original replacement parts are used.
- Do not connect the appliance to the mains electricity supply by a multi-socket adapter or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).
- Never leave the appliance unattended during operation. The graphics in this instruction manual are given as a guide only.

The Manufacturer cannot be held liable for any damages caused by non-compliance with these Warning and Safety Instructions.

- o Remove any protective foil and adhesive labels.
- Clean all removable parts of the burners with a solution of warm water and a little washing-up liquid applied with a soft sponge. Dry all parts thoroughly after cleaning and then reassemble the burners (see "Cleaning and care").
- o Clean the stainless steel trough with a damp cloth, and then wipe dry.

The metal components have a protective coating which may give off a slight smell when heated up for the first time.

The smell and any vapours will dissipate after a short time, and do not indicate a faulty connection or appliance

#### Installation

All operations relating to installation, regulation and conversion to other types of gas must be carried out by an authorised installation personnel, respecting applicable regulations, standards and the specifications of the gas and electricity providers. Before you begin, turn off the appliance's electricity and gas supply. You are recommended to contact your local Rinnai Customer Care Centres to convert to another type of gas.

The units next to the appliance must be made of non-flammable materials. The laminated covering and glue for adhering it must be heat resistant.

This appliance cannot be installed above fridges, washing machines, and dish washer or similar.

An oven must have a power cooling fan to install a hob above it. Check the oven's dimensions in its installation manual.

If a cooker hood is installed, you must follow the installation manual's instructions, always keeping a minimum distance of 550 mm to the hob.

### Preparing the Bench Top (Fig 1 & Fig 2)

Make an appropriate size cut in the work surface.

It is recommendable to place a non-flammable separator (e.g. metal or plywood) 10 mm from the bottom of the hob. This will prevent access to the base of the hob.

On wood work surfaces, varnish the cutting surfaces with a special glue. This protects them from moisture which could collect under the work surface.

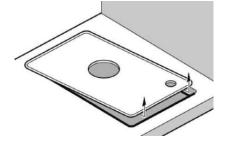
#### **Installation of Appliance**

The adhesive seal (underside of the hob) are factory-fitted: do not under any circumstances remove them. The seal ensures that the entire work surface will be watertight, and prevents water seepage.

In order to fit the appliance into the kitchen unit, first place the hob in the correct position. Insert and centre the hob. Press the sides of the hob until it is supported around its entire perimeter.

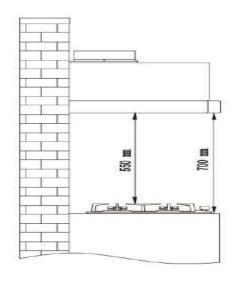
### Removal of Hob

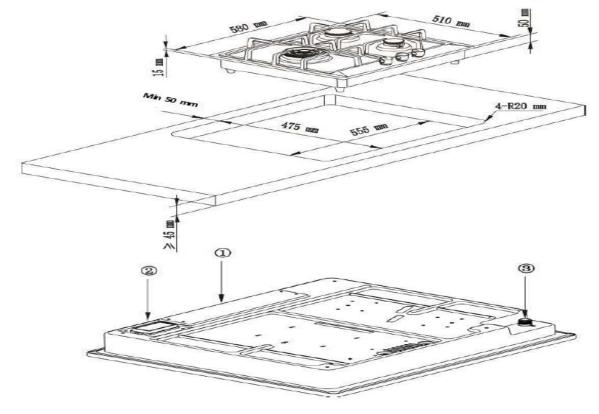
- 1) Turn off incoming gas
- 2) Remove gas hose
- 3) Life the hob up.



# **Installation Guide**

Fig 1 & Fig 2





- Front
   Battery Holder
   Gas outlet

### **Electrical installation**

This series of hob have 2 type of ignition, DC and AC.

For DC hob, please install a DC 1.5v battery into the battery casing at the bottom of the Hood. (Fig 1)

For AC connection.

The 3 wires come in 3 colour.

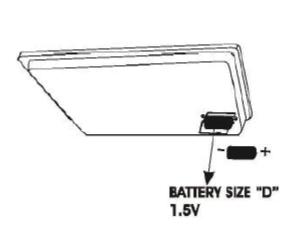
Brown for Live (L), Blue for neutral (N) and Green/Yellow for Earth (E). Fig 2.

The connection of wires can only be done by a suitably qualified and competent person by the local electricity providers. These wires is connected either by a 3 pin plug or direct wall connection. Please do not try to connect it by yourself.

### For DC connection.

When the battery is exhausted; or the spark become weak, a new battery should be replaced. The battery compartment is located as shown in the diagram. Place the battery in the correct polarity as shown.

Warning: Please take out the battery if the hob is not use for a long time.



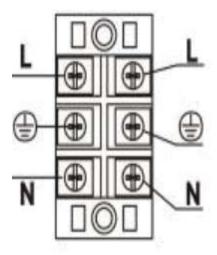


Fig 1 Fig 2

### Gas Connection (Fig. 3)

The end of the inlet connection point of the gas hob has a 1/2" thread that allows for:

- Fixed connection.
- Connection using a flexible hose (For LPG only). In this case, it is necessary to insert the
  accessory and the O-Ring as shown in Fig. 3. In this case, you must prevent the pipe
  from coming into contact with moving parts of the kitchen unit being inserted (for
  example, a drawer) and prevent access to any spaces which might become obstructed.

**Warning!** If any connection is handled, check for gas leakage. The manufacturer is not liable for any connection leaking, after being handled.

### **Electric Connection (Fig 4)**

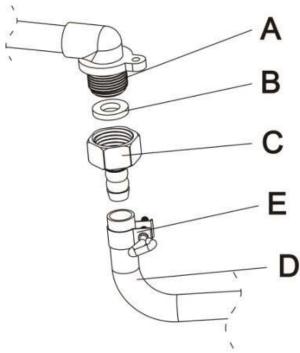
Check that the voltage and power of the appliance are compatible with the electrical installation. The hobs are supplied with a power cable with or without a wall socket plug. Provide an omnipolar cut-off switch with a minimum contact separation of 3 mm (except for plug connections, if the user has access to it).

Appliances with plugs must only be connected to sockets that have earth wires correctly installed.

The supply cable can only be changed by your local Rinnai customer care centre and not the user. The cable type and minimum cross-section must be respected.

# Gas Connection (LPG)

Fig 3

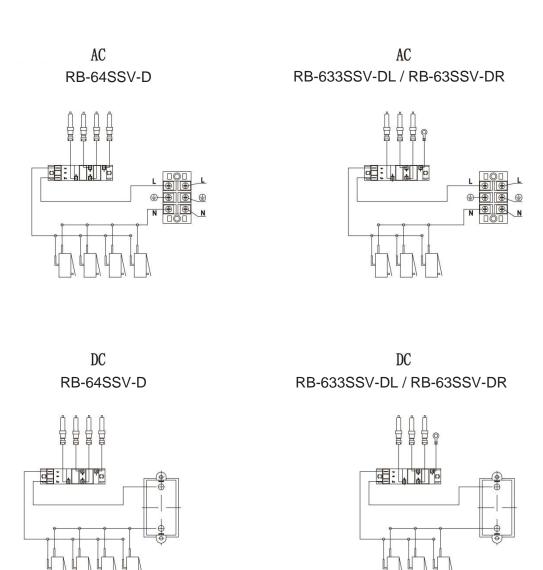


- A) Gas (TG) connectorB) O-RingC) LPG adaptorD) LPG hose

- E) Hose clip

### **Electrical Connection**

Fig 4



#### **Control Knob**

The control knob is used to ignite the burner and to regulate the strength of the flame.



- The gas supply is turned off
- High Flame
- Low Flame

The burners can only be in operation mode by pressing down the appropriate control and turning it anti-clockwise, and switched off by turning the control clockwise.

The following will cause damage to the appliance:

- o Operating the burner without pressing the control down,
- Operating the burner on by turning the control clockwise,

The manufacturer will not accept liability for any damage resulting from incorrect operation.

### **Operating**

 The control for the burner required must be pressed down and turned anti-clockwise to the large flame symbol in order to operate.

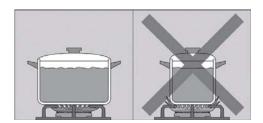
Pressing a burner control will automatically create a spark on all burners. This is normal and no cause for concern

- o When the flame ignites, hold the control knob down for 5 seconds, and then let it go.
- If the flame goes out, turn the control back to "o". Wait for at least 1 minute before attempting to re-ignite it, press down and hold the control for longer if required
- If the burner fail to ignite for the second time, turn the control back to "o". Refer to the troubleshooting guide for more information.

### In the Event of a Power Disruption (for AC model only)

- o If there is an interruption to the electricity supply, the gas hob can be ignited with a match (small naked flame).
- Press in the relevant control and turn it anti-clockwise to the large flame symbol.
- Hold the control down and light the burner with match sticker (naked flame).
- Keep the control pressed in for a further 8-10 seconds and then release it.

### Regulating the Flame



The burners can be regulated at any level between the highest and lowest flame.

Control the flame so that it does not spread out beyond the sides of the pan. As the outer part of the flame is much hotter than the centre, the tips of the flames should stay beneath the pan base. Flame tips which extend beyond the sides of the pan merely warm up the air in the room and can also damage pan handles and increase the danger of injury

### **Switching OFF**

Turn the control clockwise to position "o"

This stops the flow of gas and the flame goes out

### Warnings

- o It is normal to hear a slight whistling noise while the burner is operating.
- When it is first used for the first time, it is normal for the burner to give off odours; this
  does not pose any risk and does not indicate a malfunction; the smell will be gone over
  the time.
- A few seconds after the burner is switched off, a sound (thud) will be produced. This is not a fault - this means that the safety device is no longer operating.
- Keep the burner as clean as possible. If the ignitor are dirty they will not light properly.
   Clean them periodically using a small non-wire brush. Bear in mind that the ignitor must not suffer any serious impacts.
- An orange-coloured flame is normal. This is caused by the presence of dust in the atmosphere, spilt liquids, etc.
- The kitchen will become hot and humid when this gas appliance is used. You must therefore ensure that the kitchen is well ventilated: either keeping the natural ventilation apertures open, or install a ventilation system (cooker hood).

- If using the appliance intensively for prolonged periods, you may require additional ventilation (e.g. by opening a window) or more effective ventilation (e.g. by increasing the hob's ventilation, if possible).
- If the burner flames are accidentally blown out, switch off the burner operating control knob and do not try to relight it for at least one minute.

#### **Suitable Pans**



Burner Minimum	pan diameter	Maximum pan diameter
Big Burner	Ф120	Ф300
Medium Burner	Ф100	Φ240
Small Burner	Ф100	Ф200
Extra small Burner	Φ100	Ф180

- Refer to the chart above and ensure that the pan diameter falls within the minimum and maximum diameters given for the burner you are using. A pan which is too small will be unstable on the pan support. If the pan base diameter is too large, flames can spread out to the sides and damage or burn the worktop, wall claddings or surrounding units and also parts of the hob. The manufacturer cannot be held liable for this type of damage.
- Select pans which are suitable for the burner they are to be used on. In general: use larger diameter pans on the large burners, and smaller diameter pans on the small burners.
- o Pans with thick bases are preferable as these distribute heat more evenly. With thin bases, there is a danger of food overheating in places. Stir the food frequently.
- Any heat-resistant pans can be used on a gas burner.

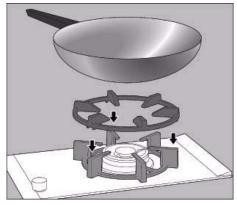
When placing pans on the pan support(s) make sure you position them so that they cannot tip up. Please note that it is not possible to prevent pans from wobbling very slightly.

Always place pans on the pan support(s) supplied. Pans must not be placed directly on the burner.

### **Additional Wok Pan Support**

The Hob come with pan support and the maximum pan size is 30cm.

The manufacturer accepts no liability if these additional pan supports are not used or are misused.



For illustration only.

### **Cleaning and Care**

- The appliance should be cleaned after each use. Allow the appliance to cool down to a safe temperature before cleaning.
- To avoid water marks and lime scale deposits, use a soft cloth to dry surfaces that have been cleaned with water.
- Stubborn soiling should be soaked first.
- Food which boils over onto the hot hob can cause the burner components and the stainless steel surface of the hob to discolour. Remove any soiling immediately.
- The surfaces of the burner components will become more matt with time. This is quite normal and will not affect the operation of the hob.

### To avoid damaging the surface of your appliance, do not use:

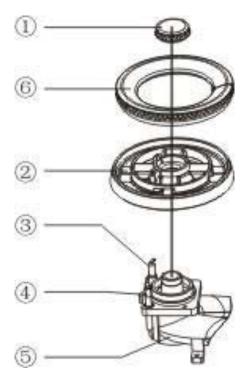
- o cleaning agents containing descaling agents, soda, alkaline, ammonia, acids or chlorides
- stain or rust removers
- abrasive cleaning agents, e.g. powder cleaners and cream cleaners
- solvent-based cleaning agents
- o dishwasher cleaner

# **Cleaning and Care**

# Cleaning

	Cleaning	Instructions
Stainless Steel Surface	Clean stainless steel surfaces with a solution of warm water and a little washing-up liquid applied with a soft sponge.  If necessary, you could use the scouring pad on the reverse of a washing-up sponge. Apply with an even pressure following the direction of the "grain".	Printed surfaces  (Flame symbols)  Remove any soiling which comes into contact with the printed flame symbols straight away. Soiling, particularly salty food or liquid and olive oil, can cause damage if left on the printed surfaces for a long time.  Do not use stainless steel cleaning agents on the printed flame symbols. This would rub off the print.
Pan supports	Remove the pan supports. Clean the pan supports using a solution of warm water and a little washing-up liquid applied with a soft sponge.  If necessary, you could use the scouring pad on the reverse of a washing-up sponge	Stubborn soiling should be soaked first. The pan supports are not dishwasher proof.
Controls	Clean the controls with a solution of warm water and a little washing-up liquid applied with a soft sponge.	The controls are not dishwasher proof.
Burner caps, Burner Base and Burner Ring	Clean the burner caps with a solution of warm water and a little washing-up liquid applied with a soft sponge.  If necessary, you could use the scouring pad on the reverse of a washing-up sponge.	The burner caps are not dishwasher proof.  Make sure that the flame slits are completely dry after cleaning.
Ignitor, Flame Safety Device	The Ignitor and ignition safety devices should be very carefully wiped clean using a dry cloth.	Do not let the ignitor get wet. If they get wet they will not spark.

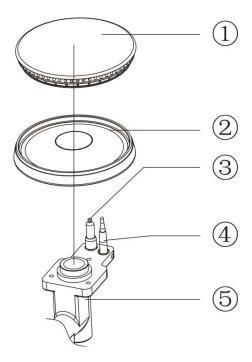
### To Assemble the B Burner



- Place burner base②onto burner head⑤. Ensure the burner base sit nicely on the burner head with the thermocouple ④ and the ignitor ③ extend through their respective holes in the burner base.
- Position the Ring burner ⑥ onto the burner base②.
- Position the simmer cap① onto the center of the burner base②.

Important: Replace parts in the correct order after cleaning.

## To Assemble the M, S & ES Burner



- Place the burner base②onto the burner head⑤ so that the thermocouple ④, the ignitor ③ fit into their respective slot along the burner base②.
- Position the burner cap ① onto the burner base ②

When correctly positioned it will not slide about.

Important: Replace parts in the correct order after cleaning.

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# **Trouble shooting Guide**

Fault	Possible cause	Solution
No ignition (AC)	<ul> <li>Defective fuse.</li> <li>The automatic safety switch or circuit breaker has tripped.</li> <li>Electrode gap excessive</li> <li>Ignitor connections loose</li> </ul>	<ul> <li>Check the fuse in the main fuse box and change it if it is damaged.</li> <li>Check the main control panel to see if the automatic safety switch or circuit breaker has tripped</li> <li>Check gap, and adjust. The gap should be around 4 to 5mm.</li> </ul>
No ignition (DC)	<ul> <li>The battery have been used (drained) up.</li> <li>Electrode gap excessive</li> <li>Ignitor connections loose</li> </ul>	<ul> <li>Replaced a new battery</li> <li>Check gap, and adjust. The gap should be around 4 to 5mm.</li> </ul>
The automatic ignition function does not work.	<ul> <li>Cleaning products stuck between the ignitor and the burners.</li> <li>The burners are wet.</li> <li>The burner covers are not correctly positioned.</li> <li>The appliance is not earthed, is not correctly connected or the earth wire is faulty.( AC only)</li> </ul>	<ul> <li>The space between the ignitor and the burner must be clean.</li> <li>Dry the burner covers carefully.</li> <li>Check that the covers are correctly positioned.</li> <li>Contact your local Rinnai customer care centre.</li> </ul>
The burner flame is not uniform.	<ul> <li>The burner components are not correctly positioned.</li> <li>The grooves on the burner cap &amp; base are dirty.</li> </ul>	<ul> <li>Ensure the components are correctly positioned.</li> <li>Clean the grooves on the burner cap &amp; base.</li> <li>( depending on model)</li> </ul>
The flow of gas does not appear normal or no gas comes out.	<ul> <li>The gas supply is blocked via intermediary valves.</li> <li>If the gas is supplied from a gas cylinder, check that this is not empty.</li> </ul>	<ul> <li>Open all intermediary valves.</li> <li>Change the gas cylinder.</li> </ul>
The kitchen smells of gas.	A gas tap has been left on. There may be a leak in the gas cylinder coupling.	<ul> <li>Turn off the gas taps.</li> <li>Check that the coupling is sound.</li> <li>Call your local Rinnai customer care centre if it is leaking from the hob.</li> </ul>
The safety valves on one of the burners are not working.	<ul> <li>The control knob was not held down for long enough.</li> <li>The grooves on the burner cap &amp; base are dirty.</li> </ul>	<ul> <li>Once the burner is lit, hold the control knob down a few seconds longer.</li> <li>Clean the grooves on the burner cap &amp; base.</li> </ul>



If problem persists after the above check, please contact Rinnai Customer Care Centre for Assistance.

Please quote the model number of your appliance as shown on the rating plate attached to your equipment.

For service call under warranty, please note that it is necessary to produce your proof of purchase and valid warranty card.

Rating plate is for illustration purpose only and its specifications vary across models.

## **Rinnai Customer Care Centers**

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