



** FUZZY RICE COOKER

INSTRUCTION MANUAL

Models: RZ-PMA10Y/RZ-PMA18Y/RZ-ZMA18Y HOUSEHOLD





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Please read this instruction manual before use for the proper usage of this product. After reading this, keep it for future reference.

Important Safeguards

This product is for household use only. Do not use for industrial purpose.

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WARNING

Indicate hazard that possibility causes death or injury when a user ignores it and mishandles the product.

/ CAUTION

Indicate hazard that possibility causes human damage or property damage only when a user ignores it and mishandles the product.

About marks

Various marks are used in this instruction manual and product itself in order to ensure the users can use the product properly and to prevent from hazard to you and other people or loss damage to your properties.

The marks and their meanings are on your right. Please make sure you understand them and read the instruction.



WARNING

Do not remove or change any parts of this appliance.

Service such as repairing should be performed only by an authorized service representative.

It may cause fire, electric shock or burn hazards. In case of service, contact the store where you purchased or customer service department of Hitachi company.



Use this product with a AC plug rated 5 A or higher alone. Do not use with another plug.

When used with other appliances, abnormally heated branching part may cause fire hazards.



Do not attempt to use pin, cord, wire or any other metal particles.

It may cause electric shock or injury hazards due to malfunction.



Always keep the AC plug clean.

It may cause fire.



Always keep cooker out of reach of children.

It may cause electric shock, burn or injury hazards.



Make sure the plug fits fully to the socket.

It may cause electric shock, short-circuit, smoke or fire hazards.



Do not operate any appliance with a damage cord or plug.

It may cause electric shock, short-circuit or fire hazards.



Use the product with 220, 230, 240, 220-240 V AC outlet only.

It may cause electric shock or fire hazards.



Do not attempt to damage a cord in any manner and cord should not be attached near heating source.

Damaged cord may cause electric shock or fire hazards.



Avoid immersing the main body in water or putting water in any part of the body.

It may cause electric shock or short-circuit hazards.



Avoid using wet hands to plug in or unplug. It may cause electrocution.



hands

Do not touch the steam vent while using.

It may cause burn hazards. Keep cooker out of reach of children.



Do not open the lid while cooking.

It may cause burn hazards.





This mark indicates cautions (including dangers or warnings). Concrete descriptions are inside of or next to the mark.



This mark indicates "prohibition". Concrete descriptions are inside of or next to the mark.



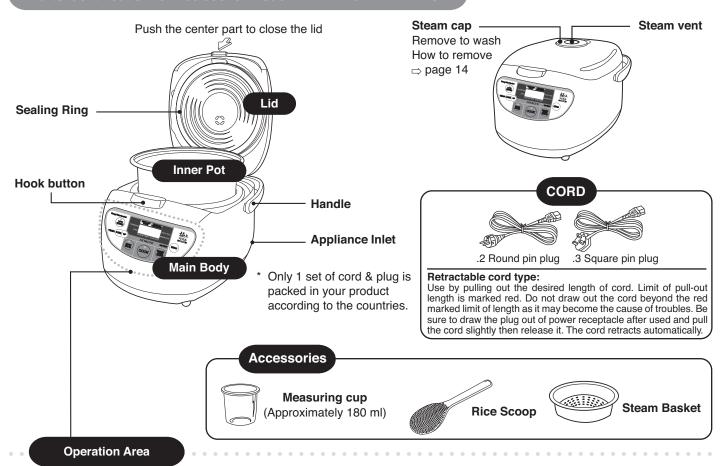
This mark indicates "compelling". Concrete descriptions are inside of or next to the mark.

! CAUTION					
Never use near water or fire. It may cause electric shock or electric leakage.	\Diamond	Unplug from the socket when not in use. It may cause electric shock, electric leakage, burn or injury due to degraded insulating.	0 C Unplug		
Do not place the cooker on unstable surface or flammable surface such as a carpet or tablecloth. It may cause fire.	\Diamond	Remove the plug from the plug socket by pulling on the plug itself, rather than on the cord. It may cause electric shock, short-circuit, burn hazards.	0		
Use only the dedicated inner pot. It may cause heating or malfunction.	\Diamond	Holding the plug while removing the cord. Pulling the cord can cause skin injury.	0		
Do not touch lid release button when moving the cooker. Opening lid may cause injury or burn hazards.	\Diamond	Maintenance should be done after the cooker cooled down. Touching hot part may cause burn hazards.	0		
Do not place the cooker close to house wall or any other furniture. Do not place the cooker inside kitchen storage cabinet because it may cause accumulated steam. Steam or heat may damage such as discoloration or deformation of wall or furniture.	\Diamond	Do not touch hot parts such as inner pot or steam vent while using or cooking. It may cause burn hazards.	Do not touch		

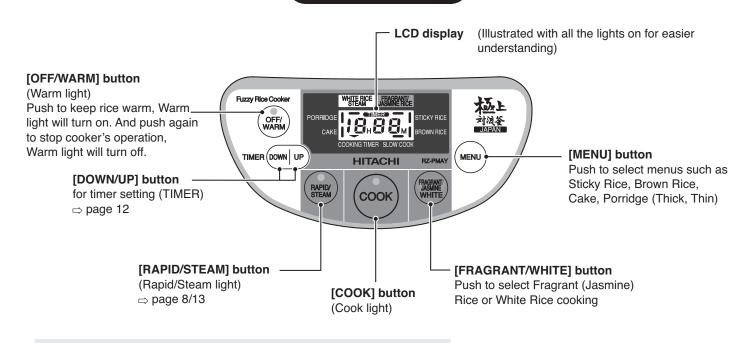
ATTENTION				
Do not place a damp cloth on the cooker. It may cause discoloration, deformation or malfunction.	Eliminate any foreign object at the bottom of inner pot, or on heating plate or temperature sensor. It may cause malfunction or improper cooking.			
Do not stand the handle or move the cooker while cooking. Steam may cause burn hazards.	Bottom of inner pot Heating plate Temperature sensor			
Avoid direct light or oil. It may cause discoloration, deformation.	Do not put the inner pot in contact with fire or use it in a microwave oven. It may damage coated surface.			

Parts Identification

Parts identification for rice cooker model RZ-PMA10Y/RZ-PMA18Y



Operation Area

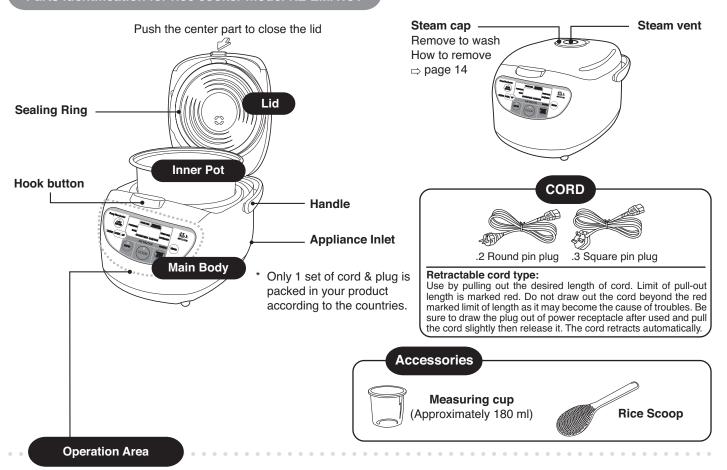


Remark

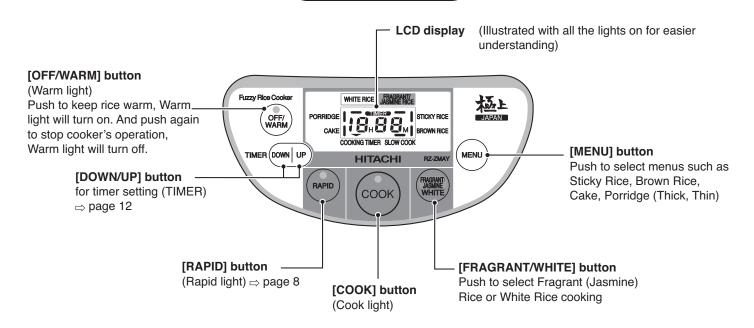
Cook button has **o** convex marks for vision impaired people.

Parts Identification

Parts identification for rice cooker model RZ-ZMA18Y



Operation Area



Remark

Cook button has $\ensuremath{ \mathbf{0}}$ convex marks for vision impaired people.

Hints and tips for tasty rice

To cook rice with good taste

Measure rice correctly

- · Please use the attached measuring cup to measure rice.
- · Measuring rice bins may measure differently from the attached measuring cup in some cases.

Clean rice quickly and adequately

- Rice absorbs the first water quickly. Drain the first rinse water immediately so that the rice doesn't smell like rice-bran.
- After cleaning, rinse the rice until water becomes clear.

Stir rice after cooking

- Stir the rice at the bottom of inner pot without pressuring it. This
 will evaporate extra water and make it tasty.
- You should stir rice even if you want keep it warm after cooked.

Warming up the rice with good taste

Avoid the followings in order to warm up the rice with good taste

- · Warm the cooked rice over 12 hours
- · Re-warm cold rice again or add rice
- · Warm up rice with a rice scoop inside
- Warm up other rice than rice cook (including sticky rice, brown rice, porridge (thick, thin))
- · Warm up the cooked rice without cleaning well

Small amount of rice

 When only small amount of rice is left, pile it at the center of inner pot. (This will prevent the rice from being dry or wet)

Note

- When you keep rice cook warm over 12 hours, or for other kinds of rice, you can keep the rice tasty by wrapping it with plastic wrap and warm it with microwave oven every time.
- Stirring the rice occasionally during keeping warm can keep it tasty.
- When warming the rice cooked by other appliances, push Warm button to warm the inner pot before putting the rice in.

Knowledge for Rice

Water amount and different kinds of rice

Fill water to suit each kind of rice and the way you like

KIND OF RICE	WATER LEVEL	MENU
Fragrant (Jasmine) rice Japanese rice	According to the scale of Fragrant (Jasmine) rice	FRAGRANT/ JASMINE RICE
Tahaeng rice Saohai rice Chaowang rice	According to the scale of white rice	WHITE RICE

 Rapid is the menu to cook in shorter time, within 30 minutes and up to 4 cups of rice for model RZ-PMA18Y, RZ-ZMA18Y, up to 3 cups of rice for model RZ-PMA10Y. Heating and steaming time is set shorter than regular cooking time; the rice may be slightly harder or less tasty. We recommend using Cook Program unless you are in a hurry.

Why cooked rice is burned?

Ripen rice should be pour water off for good scent and taste. If you prefer not to have burn, clean the rice very well so that it does not have any rice-bran left on the surface. White rice and other kinds of rice (not Fragrant (Jasmine) rice) tend to have burnt part more often.

Preparation for cooking

Example: When cooking 3 cups of rice in Rice Cook menu

Measure rice with the attached measuring cup

· One exact cup measures approximately 180 ml

less exactly

more









Clean rice

- ① Use plenty of water to stir rice and drain it immediately.
- ② Repeat the procedure "Clean → Rinse" until the water becomes clear.

Note

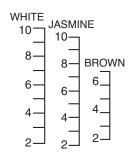
- · Use separate bowl to clean the rice, not in the inner pot.
- Rinse it well. (It may burn the rice or add rice-bran odor)
- · Use hands to clean rice, not a dasher.
- When cooking seasoned steamed rice, it cannot reach up to the maximum rice level.

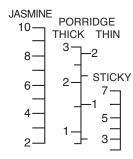
(4 cups for type 1.0L and 7 cups for type 1.8L)

Cause of Overflow

 Overflowing while cooking rice may caused by washing not clean enough or pour too much water.

Pour water to the level suited with type of selected rice.





Note

- Water levels are only rough standards. You can adjust amount of water as you desire.
- Flatten out the surface of rice and adjust the water level. (It may cause uneven cooking.)
- · Do not use hot water. (It may cause wet rice)
- · It may cook rice too wet when using too alkaline water.
- Do not use Rapid Cook menu for other rice than white rice and fragrant (jasmine) rice, including sticky rice, porridge, brown rice.

<Water level>

SELECT	MENU	RICE TO BE USED	WATER LEVEL
	WHITE RICE	Taheang rice, Saohai rice Napee rice, Long-grain rice	WHITE
	FRAGRANT/ JASMINE RICE	Fragrant (Jasmine) rice Japanese rice	JASMINE
COOK	STICKY RICE	Sticky rice	STICKY
	BROWN RICE	Brown rice	BROWN
	PORRIDGE	Taheang rice, Saohai rice Napee rice, Long-grain rice, Fragrant (Jasmine) rice	PORRIDGE (Thick, Thin)
DADID	WHITE RICE	Taheang rice, Saohai rice Napee rice, Long-grain rice	WHITE
KAPID	FRAGRANT/ JASMINE RICE	Fragrant (Jasmine) rice Japanese rice	JASMINE
		COOK STICKY RICE BROWN RICE PORRIDGE WHITE RICE FRAGRANT/ FRAGRANT/	WHITE RICE Taheang rice, Saohai rice Napee rice, Long-grain rice FRAGRANT/ JASMINE RICE Tragrant (Jasmine) rice Japanese rice Sticky rice BROWN RICE BROWN RICE Taheang rice, Saohai rice Napee rice, Long-grain rice, Fragrant (Jasmine) rice WHITE RICE Taheang rice, Saohai rice Napee rice, Long-grain rice FRAGRANT/ Fragrant (Jasmine) rice FRAGRANT/ Fragrant (Jasmine) rice

Place the inner pot into the cooker.



Note

- Dry the inside and the bottom of inner pot and wipe any foreign objects.
- Make sure that the pot has direct contact with the heating plate. Keep turning it slightly until it fits.

Close the lid and plug in the cord.



Note

- Make sure that the steam cap are attached.
- · Close the lid slowly until you hear clicking sound.

How to cook rice White rice, Fragrant (Jasmine) rice

See P.8

How to cook Sticky rice,
Brown rice, Porridge

See P.9

How to bake a cake

See P.10

How to Slow Cook

See P.11

How to set timer

Steaming

See P.12

See P.13

Cooking time

- * Power supply 220, 230, 240, 220-240V, Room temperature 25°C, Water temperature 25°C.
- * Cooking time depends on voltage, room temperature, water temperature and water level including type of rice.

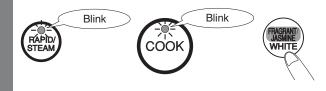
Cooking time (approximately in maximum minute)

White	rice	Fragrant (Jasmine) rice	Sticky rice	Brown rice	Porridge	Rapid cook
40~	4 5	45~50	50~55	120~130	45~65	30 [Cup of rice RZ-PMA10Y : 3 cups RZ-PMA18Y : 4 cups RZ-ZMA18Y : 4 cups

Note: For Rapid cook program with rice more than the table above, cooking time may increase.

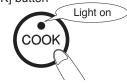
Rice cooking step for RZ-PMA10Y/RZ-PMA18Y/RZ-ZMA18Y

Push [JASMINE/WHITE] button to select the menu.



- When plug is in, current menu setting will be displayed.
- Every time is pushed, Menu selection mark will be switched between White rice and Fragrant (Jasmine) rice.
- The cooker always starts initial setting with WHITE RICE menu.
- The cooker will not remember the setting when you select FRAGRANT (JASMINE) RICE, STICKY RICE, BROWN RICE, SLOW COOK, PORRIDGE or CAKE menu. It will be set back to WHITE RICE next time.
- There are 2 cooking method selections as following:
 - 2.1 Normal cooking

- Push [COOK] button



- 2.2 Rapid cooking
 - Push [RAPID/STEAM] button



You will hear melody and it will start cooking.

 (Normal cooking and rapid cooking have different melodies.) ■ When [COOK] or [RAPID/STEAM] button is pushed, the time will not be shown. You will hear the melody and it will start cooking. (Normal cooking and rapid cooking have different melodies.) At steaming stage, the time left (min.) will be displayed as below and will count down by a minute.

Method Type	Normal cooking	Rapid cooking
WHITE RICE	10	5
FRAGRANT/ JASMINE RICE	15	3

Note for White rice cooking

- Every time after plugging, you could select cooking method immediately by pushing button for normal cooking and pushing button for rapid cooking.
- Stir the rice as soon as it is cooked and you hear the melody.

Keeping warm

- Though it could keep the rice warm over 12 hours.
 It is not recommended to do so, because it may cause odor and discoloration.
- Warming may cause dew drops accumulation inside of lid, inner lid or inner pot. This prevents the rice from getting dried, it is not the cooker's malfunction.
- Warm light will be on and warming system will automatically work. Please enjoy the rice as soon as possible after it is cooked.



 LCD display will show passed warming time from 0 h to 12 h. (When it reaches the 13th hour, it will be displayed same as when cooking is started.)



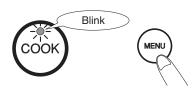
VHITE RICE FRAGRANT/

- If the rice is not stirred properly, it may absorb steam and become too glutinous or hard.
- You may see a slight dimple in the center of cooked rice, or white and soft rice where it contacts the inner pot.

How to cook rice

Sticky Rice/Brown Rice/Porridge (Thick, Thin)

Push [MENU] button to select menu.



- When plug is in, current menu setting will be displayed.
- Every time (men) is pushed, Menu selection mark will be shown with this order: STICKY RICE → BROWN RICE → SLOW COOK → CAKE → PORRIDGE. I will also be shifted one menu at a time.

2

Push [COOK] button.



You will hear melody and it will start cooking.

* (STICKY RICE, BROWN RICE, SLOW COOK, CAKE, PORRIDGE cooking have same melodies.)

■ When [COOK] button is pushed, the time will not be shown. You will hear the melody and it will start cooking. At steaming stage, the time left (min.) will be displayed as below and will count down by a minute.

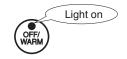
STICKY RICE	BROWN RICE	PORRIDGE
10	10	5

3

Stir the rice as soon as it is cooked and you hear the melody.

Keeping warm

 Do not warm Porridge (Thick, Thin). It will become thick and sticky if you keep it warm for a long time. Warm light will be on and warming system will automatically work. Please enjoy the rice as soon as possible after it is cooked.



WHITE RICE FRAGRANT/ STEAM JASMINE RICE

Note for Porridge cooking

 It is recommended to use broken rice for cooking. And after it is cooked, you should open the and stir it well before serving.

When rice is cooked, it will be automatically switched to warming operation. If you do not want to warm, push \Rightarrow $\textcircled{\text{ab}}$ button and unplug.

How to bake a cake

1	Prepare the ingredients for a cake, the amount depends on size of the cooker which indicated in Cook Book attached with the cooker.	· ·
2	Pour the ingredients into the inner pot.	· · · · · · · · · · · · · · · · · · ·
3	Place the inner pot into the cooker.	 Dry the inside and the bottom of inner pot and wipe any foreign objects. Make sure that the inner pot contact directly with the heating plate. Keep turning slightly until it fits.
4	Close the lid and plug in the cord.	 Make sure that the inner lid and steam cap are attached. Close the lid slowly until you hear clicking sound.
5	Push [MENU] button to select "CAKE".	Every time is pushed, Menu selection mark will be shown with this order: STICKY RICE → BROWN RICE → SLOW COOK → CAKE. will be shifted one menu at a time until it reaches CAKE.
6	Push [COOK] button.	 You will hear melody and cooking light will be on. Then it will start baking with nothing shown on the display. During baking, do not open the lid, the cake will be uncooked. Note Approximation of baking duration: Refer to the attached Cook Book.
7	When the cake is cooked, you will hear melody. Cooking light will be off, Warm light will be on instead. Push button to cancel cooking operation. Then open the lid immediately.	· · · · · · · · · · · · · · · · · · ·
	Light off OFF/ WARM	· · · · · · · · · · · · · · · · · · ·
8	Unplug the cord and keep it well.	
9	Lift up the inner pot from the cooker and left until it is cooled down, around 3-5 min. Then put the pot upside down on a tray or any prepared vessel.	To remove a cake from the inner pot, you should wear heat-protection gloves or use a piece of cloth to carry the inner pot.
10	Decorate the cake as your desire.	· · ·

How to Slow Cook

1	Prepare the ingredients for slow cooking, the amount depends on size of the cooker which some menus are described in Cook Book attached with the cooker.	· · · · · · · · · · · · · · · · · · ·
2	Pour the ingredients into the inner pot.	
3	Place the inner pot into the cooker.	 Dry the inside and the bottom of inner pot and wipe any foreign objects. Make sure that the inner pot contact directly with the heating plate. Keep turning slightly until it fits.
4	Close the lid and plug in the cord.	 Make sure that the inner lid and steam cap are attached. Close the lid slowly until you hear clicking sound.
5	Push [MENU] button to select "slow cook".	Everytime is pushed, Menu selection mark will be shown with this order: STICKY RICE → BROWN RICE → SLOW COOK will be shifted one menu at a time until it reaches SLOW COOK. Blink And ▼ mark will be shown at "COOKING TIMER" position and time setting for slow cooking will be blinked with cook light blinking while setting time.
6	Push [DOWN/UP] button to set the time for slow cooking. Blink COOK	Each time you push [UP] button, time will increase 30 min. or each time you push [DOWN] time will decrease 30 min. For the above example, timer is set to 2 hours 30 min for slow cooking. Note Slow cooking time depends on each kind of food.
7	Push [COOK] button. Light on	 You will hear melody and cooking light will be on. Then it will start slow cooking with the amount of time as setting. LCD will show time left which decrease by one minute. When slow cooking reaches the setting time, cooking light will be off, warm light will be on and there will be buzzer sound to show cooking is finished.
8	Unplug the cord.	 After slow cooking is finished, do not open the lid immediately. Please wait for 2-3 minutes. After using the cooker, always push [OFF/WARM] button and unplug for safety.

How to use the Timer

When you set the time to finish (Programmed Cooking)

You can program the time within the maximum 12 hour 30 min.

Note

- Programmed Cooking can be used for WHITE RICE, FRAGRANT (JASMINE) RICE, STICKY RICE, BROWN RICE and PORRIDGE (THICK, THIN).
- Please do not use Programmed Cooking for seasoned steamed rice or rice mixed with other ingredients, since they may not be properly cooked or not appetizing.

(**Example**) Current time is 7.00 PM. We want to finish Programmed Cooking for tomorrow at 6.30 AM. Therefore, timer should be set to 11 hours 30 min. according to time difference between time to finish and current time.

Push [DOWN/UP] button according to time difference.



- Select menu
- Each time you push
 [DOWN] button, time will
 decrease 30 min. Or each
 time you push [UP] button, time will increase 30 min.
 For the above example, timer is set to 11 hours 30 min.
- Cook button light and LCD display will blink while timer is setting.

Push [COOK] button.



- Push button, timer will start working. Cooking light will be off and there will be buzzer sound.
- LCD will show time left which decrease by one minute.
- When rice is cooked, warm light will be on and there will be buzzer sound to show cooking is finished.

Note

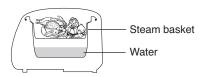
Tips

- Push button to cancel programmed setting.
- Unplugging after setting timer will cancel the setting and timer will return to initial setting.
- Finishing time may slightly different from the set time depending on water temperature, room temperature, voltage or water level.

Steaming

Steaming step for RZ-PMA10Y/PMA18Y

Steaming



- Fill water into the inner pot.
 - : 1.0 L at water level 3 cups (White Rice)
 - : 1.8 L at water level 3 cups (White Rice)
- Put the steam basket in the inner pot.
- Put vegetable or food in the steam basket.
- How to place the inner pot. (See P.7 for details)

2

Plugging into the socket.

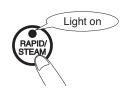


Every time you plug in,
mark will be at WHITE RICE position.



3

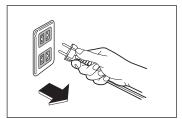
Push [RAPID/STEAM] button.



- Push button. It will start steaming.
- While steaming, Rapid/Steam light will be on.
- When water is dried out or finishing time is reached, Rapid/ Steam light will be off and Warm light will be on.

4

Unplugging from the socket.



- After steaming is finished, do not open the lid immediately.
 Please wait for 2-3 minutes.
- After using the cooker, always push button and unplug for safety.

Tips

- Rapid menu should be used with White Rice, Fragrant (Jasmine) Rice and steaming only.
- · Steaming time depends on each kind of food.
- To stop steaming, push button.
- Fill water to suit with each kind of food.
- Do not let water in the pot dry out, it would make the food smell burned.
- After steaming is just finished, the steam basket will be very hot. Do not touch it directly, steam basket holder should be used for taking it.

Clean and Care



Cleaning method for rice cooker model RZ-PMA10Y/RZ-PMA18Y/RZ-ZMA18Y

- Make sure that you unplug cooker and the body is cold for maintenance.
- · Avoid using benzene, thinner, polishing powder or scrub brush to clean the cooker. (It may damage the surface.)

Body/Lid

Wipe with damp cloth.

Rice Scoop/Measuring Cup/Steam Basket

Wash with soft material such as sponge by using dish soap.



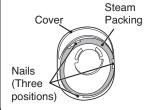
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How to attach

 Insert Steam

 packing under

 nails of the
 cover.



Remove from main body to wash with soft material such as sponge by using dish soap.

■ How to remove

① Remove it from

main body

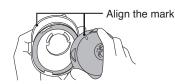


② Hold as illustrated below. Turn I mark on cap body to Remove position to detach it.

Steam Cap



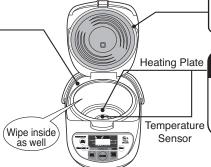
② Turn I mark to Remove position. After put inner lid at the back of nails (three positions), turn cap body to Close position to attach it.



③ Push the center part of steam cap to put in all the way to the bottom.



Dew drops should be wiped after every usage.



Remove rice or stickiness from the inner lid, since it may cause rice being dried out while warming.

Heating Plate Temperature Sensor

If there is rust on heating plate or temperature sensor, use fine sandpaper (No. 600) to rub it off and then wipe with damp cloth.

Inner Pot

Wash with soft material such as sponge.

When it doesn't get cleaned, use mild detergent (Dish detergent).

Note

- It may not cook properly if the inner pot is deformed. To avoid that, handle it with care.
- · To avoid damaging fluorine coating,
 - Use attached rice scoop
 - o Do not wash it with spoons or bowls in
 - o Do not use vinegar
 - o Do not scrub inside with polishing powder or scrubbing brush
 - Clean rice in another container
- · Fluorine coating will be worn by repetitive use, handle it with care.

While using inner pot, no-evenly coloring may occur, which will not effect with rice cooking or your health.

Specifications

Model		RZ-PMA10Y	RZ-PMA18Y	RZ-ZMA18Y	
Cooking capacity		0.18 ~ 1.0 L	0.36 ~ 1.8 L		
Power supply		220, 230, 240, 220-240 V AC			
Frequency		50/60 Hz			
Power	During cooking	450 W	630 W		
consumption	During warming	33 Wh*	40 Wh*		
C	ord length	1.2 m			
	Width	26 cm	30 cm		
Dimensions (Approximately)	Depth	34 cm	38 cm		
	Height	20 cm	23 cm		
Weight (Approximately)		3.4 kg	4.0 kg		
Safety system (Thermal fuse)		152 °C			

- * The average power consumption per hour of keep warm at a room temperature of 25 °C.
- · Power consumption in off status per hour is approximately 0.8 W.

When a power failure occurs

- When a power failure occurs while cooking or warming rice, the Rice Cooker will stop working and the LCD display will go OFF. (nothing showing in the display)
- ② When power returns, a flashing "- --" mark will inform you that there was a power failure and the Rice Cooker had stopped.
- ③ The "- --" mark will disappear if you push the "OFF/WARM" button.
- ④ If the rice is not cooked yet, push "COOK" button to start cooking again.
- (5) If the rice is already cooked and you want to keep the rice warm, push "OFF/WARM" button once and warm light will turn on.

Note:

- ※1. When rice is not cooked well, check the LCD display every time. If "- --" mark is flashing, Rice Cooker is functioning normally by signaling a power failure.
- *2. In case of long period of power failure and when the temperature of rice is low, the "- --" mark may not appear.Therefore, any time the rice is not cooked well, try cooking again.



