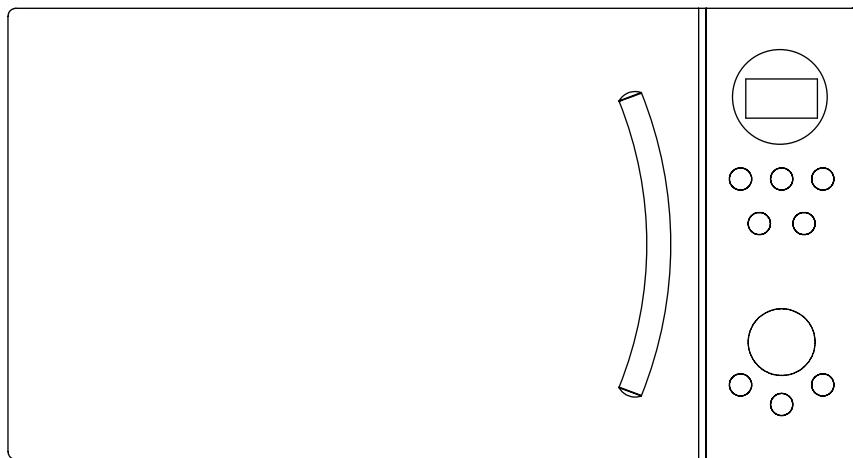




# MICROWAVE OVEN RMW987-BLACK



1. READ these instructions carefully before installing and operating the oven. Keep them for further reference.

2. Record in the space below the "SERIAL NO." found on the nameplate on your oven and retain this information for future reference.

SERIAL NO.:

Please save sales receipt for warranty.

## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

1. Do not attempt to operate this oven with the door-open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
2. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
3. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
  - a) Door (bent),
  - b) Hinges and latches (broken or loosened),
  - c) Door seals and sealing surfaces.
4. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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# IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of burns, electric shock, fire, and injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using the appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" on page 1.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" on page 4.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers -for example, closed glass jars- are able to explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when used by children.
8. To reduce the risk of fire in the oven cavity:
  - a. Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
  - b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
  - c. If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord or shut off power at the fuse or circuit breaker panel.
  - d. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils or food in the cavity when not in use.
9. Liquids, such as water, coffee, or tea can be overheated beyond the boiling point without

appearing to be boiling due to surface tension of the liquid. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THEIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury to person:

- 1) Do not overheat the liquid.
- 2) Stir the liquid both before and halfway through heating it.
- 3) Do not use straight-sided containers with narrow necks.
- 4) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
- 5) Use extreme care when inserting a spoon or other utensil into the container.
10. Do not heat oil or fat for deep-frying. It is difficult to control the temperature of oil in microwave oven.
11. Pierce foods with heavy skins such as potatoes, whole squash, apples and chestnuts before cooking.
12. The contents of feeding bottles and baby jars should be stirred or shaken and the temperature should be checked before serving in order to avoid burns.
13. Cooking utensils may become hot because of heat transferred from the heated food. Potholders may be needed to handle the utensil.
14. Do not cover or block any openings on the appliance.
15. Do not store or use this appliance outdoors. Do not use this product near water, for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
16. Do not operate this appliance if it has a damaged cord or a plug, if it is not working properly or if it has been damaged or dropped.
17. Do not immerse cord or plug in water. Keep cord away from heated surface. Do not let cord hang over edge of table or counter.
18. Use only thermometers, which are specifically designed for use in microwave ovens.
19. Do not operate any heating or cooking

appliance beneath this appliance.

20. Be certain the glass tray and roller rings are in place when you operate the oven
21. This appliance should be serviced only by qualified service personnel, contact nearest authorized service facility for examination, repair, or adjustment
22. When cleaning surfaces of door and oven that comes together on closing the door, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth.
  - This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that

interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## INSTALLATION GUIDE

- |  |   |
|--|---|
| <ol style="list-style-type: none"><li>1. Make sure that all the packing materials are removed from the inside of the door.</li><li>2. Check the oven for any damage, such as misaligned or bent door, damaged door seals and sealing surface, broken or loose door hinges and latches and dents inside the cavity or on the door. If there is any damage, do not operate the oven but contact qualified service personnel.</li><li>3. This microwave oven must be placed on a flat, stable surface to hold its weight and the heaviest food likely to be cooked in the oven.</li><li>4. Do not place the oven where heat, moisture, or high humidity are generated, or near combustible materials.</li></ol> | <ol style="list-style-type: none"><li>5. For correct operation, the oven must have sufficient airflow. Allow 20cm of space above the oven, 10cm at back and 5cm at both sides. Do not cover or block any openings on the appliance. Do not remove feet on which oven stands.</li><li>6. The appliance shall be only used on a countertop over 3 feet above the floor.</li><li>7. Do not operate the oven without glass tray, roller support, and shaft in their proper positions.</li><li>8. Make sure that the power supply cord is undamaged and does not run under the oven or over any hot or sharp surface.</li><li>9. The socket must be readily accessible so that it can be easily unplugged in an emergency.</li></ol> |
|--|---|

# GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current. The appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

**WARNING:** Improper use of the grounding plug can result in a risk of electric shock.

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded, and either:

1) If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord shall be equal to or greater than the electrical rating of the appliance, or 2) Do not use an extension cord. If the power supply cord is too short, have a qualified electrician or serviceman install an outlet near the appliance.

## Electrical Requirements

The electrical requirements are a 120 volt 60 Hz, AC only, 20 amp. It is recommended that a separate circuit serving only the oven be provided. The oven is equipped with a 3-prong grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded.

## Power Supply Cord

1. A short power supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.

2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.
3. If long cord or extension cord is used:
  - a) The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
  - b) The extension cord must be a grounding-type 3-wire cord, and The longer cord should be arranged so that it will not drape over the counter top or table top where it can be pulled on by children or tripped over unintentionally.

## Notes:

1. If you have any questions about the grounding or electrical instructions, consult a qualified electrician or service person.
2. Neither RCA nor the dealer can accept any liability for damage to the oven or personal injury resulting from failure to observe the electrical connection procedures.

## Radio or TV Interference

Should there be any interference caused by the microwave oven to your radio or TV, check that the microwave oven is on a different circuit, relocated the radio or TV as far away from the oven as feasible or check position and signal of receiving antenna.

# UTENSILS GUIDE

This section lists which utensils can be used in the microwave, which ones have limited use for short periods, and which ones should not be used in the microwave.

## Recommended

- Microwave browning dish — Use to brown the exterior of small items such as steaks, chops, or pancakes. Follow the directions provided with your browning dish.
- Microwaveable plastic wrap — Use to retain steam. Leave a small opening for some steam to escape and avoid placing it directly on the food.
- Paper towels and napkins — Use for short-term

heating and covering; These absorb excess moisture and prevent spattering. Do not use recycled paper towels, which may contain metal and could ignite.

- Glass and glass-ceramic bowls and dishes — Use for heating or cooking.
- Paper plates and cups — Use for short-term heating at low temperatures. Do not use recycled paper, which may contain metal and could ignite.
- Wax paper — Use as a cover to prevent spattering.
- Thermometers — Use only those labeled "Microwave Safe" and follow all directions. Check

the food in several places. Conventional thermometers may be used on microwave food once the food has been removed from the oven.

#### Limited Use

- Aluminum foil — Use narrow strips of foil to prevent overcooking of exposed areas. Using too much foil can damage your oven, so be careful.
- Ceramic, porcelain, and stoneware — Use these if they are labeled “Microwave Safe”. If they are not labeled, test them to make sure they can be used safely.
- Plastic — Use only if labeled “Microwave Safe”. Other plastics can melt.
- Straw, wicker, and wood — Use only for short-term heating, such as warming dinner rolls for a few seconds. Baskets and bowls may be flammable.

#### Not Recommended

- Glass jars and bottles — Regular glass is too thin to be used in a microwave. It can shatter and cause damage and injury.
- Paper bags — These are a fire hazard, except for popcorn bags that are designed for microwave use.
- Styrofoam plates and cups — These can melt and leave an unhealthy residue on food.
- Plastic storage and food containers — Containers such as margarine tubs can melt in the microwave.
- Metal utensils — These can damage your oven. Remove all metal before cooking.

**Note:** Should you wish to check if a dish is safe for microwaving, place the empty dish in the oven and microwave on HIGH for 30 seconds. A dish which becomes very hot should not be used.

## COOKING TECHNIQUES

Your microwave makes cooking easier than conventional cooking, provided you keep these considerations in mind:

### **Stirring**

Stir foods such as casseroles and vegetables while cooking to distribute heat evenly. Food at the outside of the dish absorbs more energy and heats more quickly, so stir from the outside to the center. The oven will turn off when you open the door to stir your food.

### **Arrangement**

Arrange unevenly shaped foods, such as chicken pieces or chops, with the thicker, meatier parts toward the outside of the turntable where they receive more microwave energy. To prevent overcooking, place delicate areas, such as asparagus tips, toward the center of the turntable.

### **Shielding**

Shield food with narrow strips of aluminum foil to prevent overcooking. Areas that need shielding include poultry wing-tips, the ends of poultry legs, and corners of square baking dishes. Use only small amounts of aluminum foil. Larger amounts can

damage your oven.

### **Turning**

Turn foods over midway through cooking to expose all parts to microwave energy. This is especially important with large foods such as roasts.

### **Standing**

Foods cooked in the microwave build up internal heat and continue to cook for a few minutes after heating stops. Let foods stand to complete cooking, especially foods such as cakes and whole vegetables. Roasts need this time to complete cooking in the center without overcooking the outer areas. All liquids, such as soup or hot chocolate, should be shaken or stirred when cooking is complete. Let liquids stand a moment before serving. When heating baby food, stir well at removal and test the temperature before serving.

### **Adding moisture**

Microwave energy is attracted to water molecules. Food that is uneven in moisture content should be covered or allowed to stand so that the heat disperses evenly. Add a small amount of water to dry food to help it cook.

## BEFORE YOU CALL FOR SERVICE

If the oven fails to operate:

- A) Check to ensure that the oven is plugged in securely. If it is not, remove the plug from the outlet, wait 10 seconds and plug it in again securely.
- B) Check for a blown circuit fuse or a tripped main circuit breaker. If these seem to be operating

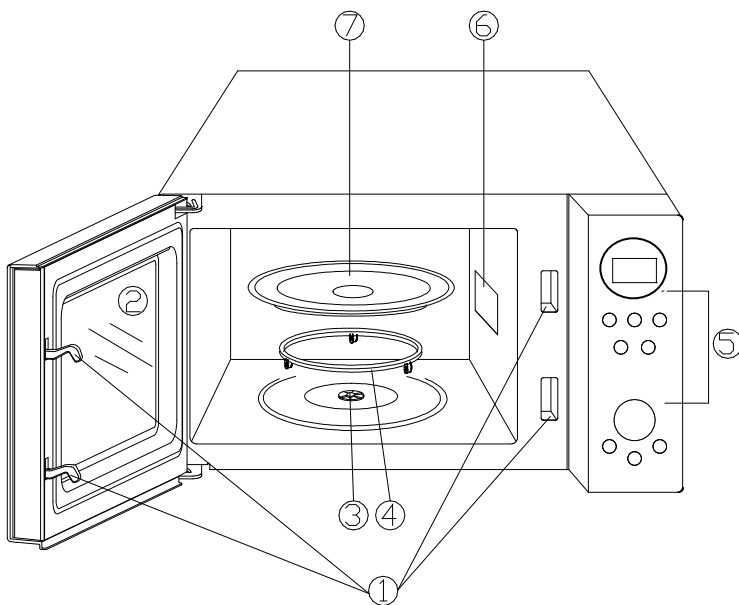
- properly, test the outlet with another appliance.
- C) Check to ensure that the control panel is programmed correctly and the timer is set.
- D) Check to ensure that the door is securely closed engaging the door safety lock system. Otherwise, the microwave energy will not flow into the oven.

IF NONE OF THE ABOVE RECTIFIES THE SITUATION, THEN CONTACT A QUALIFIED TECHNICIAN. DO NOT TRY TO ADJUST OR REPAIR THE OVEN YOURSELF.

## SPECIFICATIONS

Power Consumption	120V~60Hz, 1350W
Output	900W
Operation Frequency	2450MHz
Outside Dimensions (HxWxD)	11 <sup>1</sup> / <sub>16</sub> ×19×15 <sup>1</sup> / <sub>2</sub> inches.
Oven Cavity Dimensions (HxWxD)	8 <sup>11</sup> / <sub>16</sub> ×13 <sup>3</sup> / <sub>8</sub> ×12 <sup>5</sup> / <sub>8</sub> inches.
Oven Capacity	0.9 cu.ft.
Net Weight	Approx. 30.0 lbs.

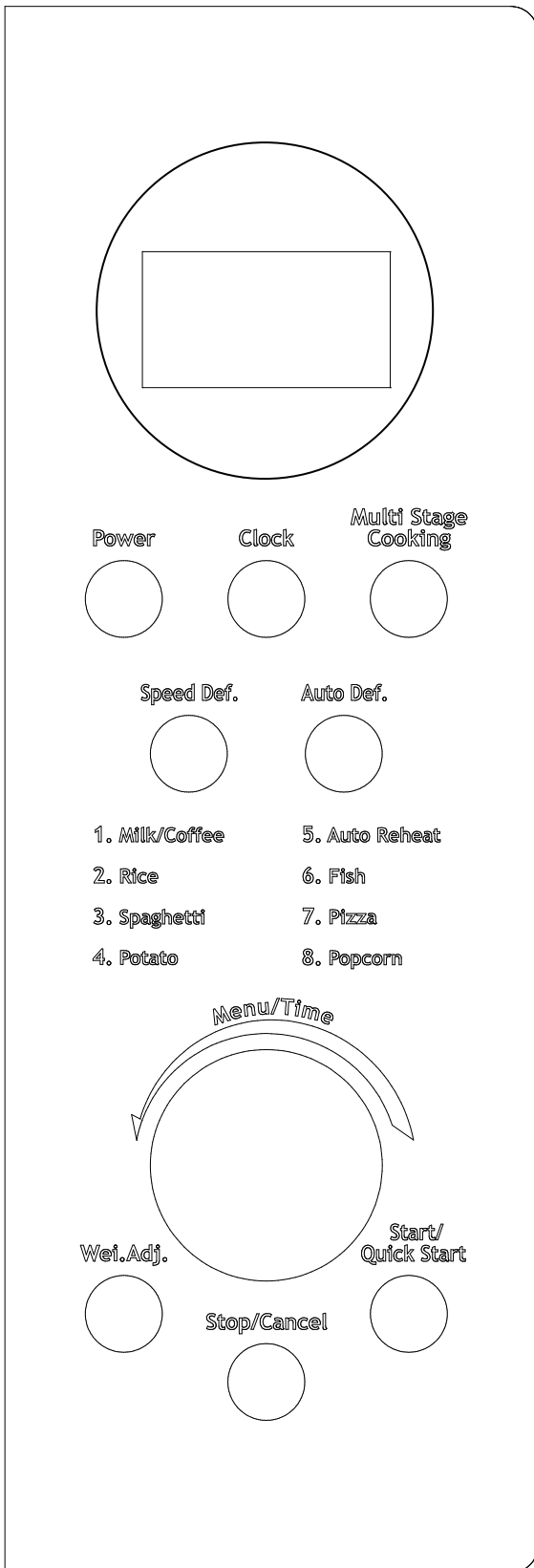
## PART NAMES



1. Door Safety Lock System
2. Oven Window
3. Shaft
4. Roller Ring
5. Control Panel
6. Wave Guide(Please do not remove the mica plate covering the wave guide)
7. Glass Tray

**DO NOT REMOVE THE CARDBOARD OVEN AIR VENT COVER THAT IS INSIDE THE MICROWAVE!**

# CONTROL PANEL



## MENU ACTION SCREEN

Cooking time, power, action indicators, and clock time are displayed.

## POWER

Touch this button a number of times to set microwave cooking power level.

## CLOCK

Touch this button to start setting the oven clock and ending by touching it again.

## MULTI STAGE COOKING

Press this button to set a multi-stage cooking program.

## SPEED DEF.

Press to set speed defrost program on time.

## AUTO DEF.

Press to set auto defrost program on weight.

## MENU/TIME

Turn the dial to set the oven clock time and input cooking time.

Turn the dial to select an auto-cooking menu.

## WEI. ADJ.

After choosing an auto-cooking menu, use it to specify food weights or number of servings.

## START/QUICK START

Touch to start a cooking program.

Simply touch it a number of times to set cooking time and cook immediately at full power level.

## STOP/CANCEL

Press to cancel setting or reset the oven before setting a cooking program.

Press once to temporarily stop cooking, or twice to cancel cooking altogether.

It is also used for setting child lock.



# OPERATION INSTRUCTIONS

- When the oven is first plugged in or when power resumes after a power interruption, the display will show CLOCK and “1:01”.
- During the setting mode except QUICK START, the system will return to waiting mode if there is not any operation within 28 seconds.
- During cooking, if press STOP/CANCEL pad once, the program will be paused, then press START/QUICK START pad to resume, but if press STOP/CANCEL pad twice, the program will be canceled.
- After ending cooking, the display will show End with sound every two minutes to remind user until user press STOP/CANCEL pad or open the door.
- SIGNALS DURING OVEN SETTINGS
  - ✧ **One Signal:** Oven accepts the entry.
  - ✧ **Two Signals:** Oven does not accept the entry, please check and try again.

## SETTING THE CLOCK

FOR EXAMPLE: Suppose you want to set the oven clock time to 8:30.

1. Press CLOCK button once or twice.
2. Turn MENU/ TIME to set 8 o'clock.
3. Press CLOCK button.
4. Turn MENU/ TIME to set 30 min.
5. Press CLOCK to confirm the setting.

### NOTE:

• This is a 12 and 24-hour cycle clock. You can choose to set the clock time in 24 or 12-hour cycle by pressing the clock button in waiting mode.

You can check the current time by press CLOCK button, the screen will shows the current time for 4s.

## QUICK START

The longest cooking time is 12 minutes.

The oven will operate at HIGH power (100% power output) for EXPRESS cooking program.

To do this, just press START/QUICK START button in quick succession to set cooking time, the oven starts automatically at full power after 2s.

## MICROWAVE COOKING

For microwave cooking, just press the POWER button a number of times to select a cooking power level, and then use the MENU/ TIME dial to set a desired cooking time. The longest cooking time is 60 minutes.

Select power level by pressing the POWER button.

PRESS POWER BUTTON	DISPLAY	COOKING POWER
Once	100	100%
Twice	80	80%
3 times	60	60%
4 times	40	40%
5 times	20	20%
6 times	00	0

For example, suppose you want to cook for 1 minute at 60% of microwave power.

1. Press STOP/CANCEL button to reset the oven.
2. Press POWER button 3 times.
3. Turn MENU/ TIME to 1:00.
4. Press START/QUICK START button.

## SPEED DEFROST

1. Touch SPEED DEF pad.
2. Enter desired defrosting time by turning MENU/ TIME dial.
3. Touch START/QUICK START.

### NOTE:

- The longest defrosting time is 60 minutes.

- During defrosting program, the system will pause and sound to remind users to turn food over, after that touch START/QUICK START to resume the defrosting.

- After setting SPEED DEFROST, oven can be programmed to automatically switch to one or two-stage cooking.

- For speed defrost and one or two stage cooking, follow steps above. Before touching START/QUICK START, touch MULTI STAGE COOKING; enter time and power level and then touch START/QUICK START.

### AUTO DEFROST

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The oven could be used to food on the weight you entered. The defrosting time and power level are automatically set once the weight is programmed. The weight varies between 1oz~64oz.

FOR EXAMPLE: Suppose you want to defrost 48oz of shrimp.

1. Place the shrimp to be defrosted into the oven.
2. Press AUTO DEF. button once
3. Turn MENU/ TIME dial to indicate weight 48oz.
4. Press START/QUICK START button.

NOTE:

- During defrosting program, the system will pause and sound to remind users to turn food over, after that touch START/QUICK START to resume the defrosting.

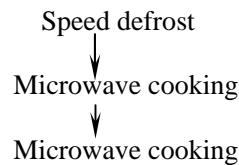
### MULTISTAGE COOKING

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Some recipes may require setting a multi-stage program involving speed defrost program.

For microwave cooking, just can be programmed for 2 automatic cooking sequences. While there has speed defrost, your oven can be programmed for up to 3 automatic cooking sequences.

Suppose you want to set the following cooking program.



1. Input speed defrost program.
2. Press MULTI STAGE COOKING button.
3. Set the first stage microwave-cooking program.
4. Press MULTI STAGE COOKING button.
5. Set the second stage microwave-cooking program.
6. Touch START/QUICK START button.

NOTE: If you need a two-stage microwave-cooking program, omit the step 1 and step 2.

SPEED DEFROST can be only set in the first stage of the program, AUTO DEFROST and AUTO COOK cannot be set in multi-stage cooking program.

### SETTING CHILD LOCK

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The child lock prevents unsupervised operation by children.

To set: Press and hold STOP/CANCEL for 3 seconds. Lock indication appears on the display.

To cancel: Press and hold STOP/CANCEL for 3 seconds. Lock indication disappears.

## AUTO COOK

For food or the following cooking mode, it is not necessary to program the duration and the cooking power. It is sufficient to indicate the type of food that you wish to cook as well as the weight of this food.

You may need to turn food over during cooking time to obtain uniform cooking.

For example: to cook 7 oz of fish.

1. Turn MENU/ TIME dial to fish cooking, which is the item 6 on the auto-menu.
2. Press WEI. ADJ. button repeatedly to indicate weight 7 oz.
3. Press START/QUICK START button.

Auto cook menu:

CODE	FOOD	NOTES:
1	Milk/Coffee (200ml/unit)	1. The user required to turn MENU/ TIME to select one of the auto cook menus and enter the food weight by pressing WEI.ADJ. button. 2. The result of auto cooking depends on factors such as fluctuation of voltage, the shape and size of food, your personal preference as to the doneness of certain foods and even how well you happen to place food in the oven. If you find the result at any rate not quite satisfactory, please adjust the cooking time a little bit accordingly.
2	Rice (oz)	
3	Spaghetti (oz)	
4	Potato (8oz /unit)	
5	Auto reheat (oz)	
6	Fish (oz)	
7	Pizza (oz)	
8	Popcorn (3.5oz)	

# CLEANING AND CARE

1. When cleaning surfaces of door and oven that comes together on closing the door, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth.
2. Turn off the oven and remove the power plug from the wall socket before cleaning.
3. Keep the inside of the oven clean. When food splatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. Avoid the use of spray and other harsh cleaners as they may stain, streak or dull the door surface.
4. The outside surfaces should be cleaned with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
5. Wipe the window on both sides with a damp cloth to remove any spills or splatters.
6. Do not allow the control panel to become wet. Clean with a soft, damp cloth. When cleaning the control panel, leave oven door open to prevent oven from accidentally turning on.
7. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth.
8. This may occur when the microwave oven is operated under high humidity conditions, this is normal.
8. It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in a dishwasher.
9. The roller ring and oven floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent. The roller ring may be washed in mild sudsy water or dishwasher. When removing the roller ring from cavity floor for cleaning, be sure to replace in the proper position.
10. Remove odors from your oven by combining a cup of water with the juice and skin of one lemon in a deep bowl, microwave for 5 minutes. Wipe thoroughly and dry with a soft cloth.
11. When it becomes necessary to replace the oven light, please consult a dealer to have it replaced.
12. Please do not dispose this appliance into the domestic rubbish bin; it should be disposed to the particular disposal center provided by the municipalities.