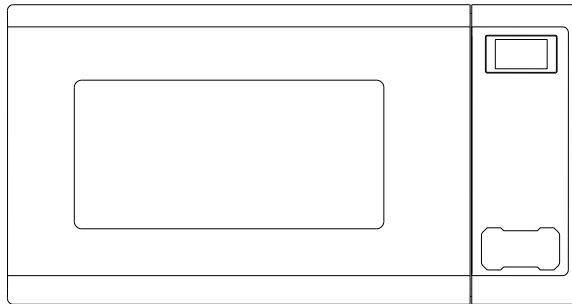


Microwave Oven Instructions



Model: P90D23APII-ZJ

Please read these instructions carefully before installing and operating the oven.

技术要求：欧盟 ROHS2.0 指令要求规定的 10 种有害物质的含量符合 ROHS2.0 指令要求。

					说明书 SED239ZJB-PA0C2A (P90D23APII-ZJ)					JS1M0609- 23181-004-(0)				
标 记	处数	更改单号	签 字	日期						广东格兰仕微波生活 电器制造有限公司				
设 计	周亚娥	标准化	关业红		图 样 标 记		数量	重量	比例					
校 对		审 定	李丰		S	A						1:1		
审 核	杨瑞其													
工 艺		日 期	2018-06-08		共 14 页		第 / 页							

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 very important that the oven door close properly and that there is no damage to the
 - a) Door (including any dents),
 - 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 qualified service personnel.

Content

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY	1
IMPORTANT SAFETY INSTRUCTIONS	2
Specifications.....	4
INSTALLATION GUIDE	4
GROUNDING INSTRUCTIONS	5
Cooking Techniques	6
Cooking Utensils Guide	6
Product Diagram	7
Control Panel	8
Operation Instructions.....	9
<i>Setting Clock</i>	9
<i>Timer Function</i>	9
<i>Quick Start</i>	9
<i>Microwave Cooking</i>	9
<i>Speed Defrost</i>	10
<i>Cook By Weight</i>	10
<i>Weight Defrost</i>	11
<i>Multistage Cooking</i>	11
<i>Setting Child Lock</i>	11
<i>Auto Cook</i>	12
Cleaning and Care	13

IMPORTANT SAFETY INSTRUCTIONS

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

WARNING!--To reduce the risk of burns, electric shock, fire, 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 are able to 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:
 - a) Do not overheat the liquid.
 - b) Stir the liquid both before and halfway through heating it.
 - c) Do not use straight-sided containers with narrow necks.
 - d) After heating, allow the container to stand in the microwave oven for a short time before removing the container.

- e) 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.
 23. 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.
 - This equipment has been tested and found to comply with Part 18 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
 - CAUTION: Changes or modifications not expressly approved by the party responsible for compliance

could void the user's authority to operate the product.

- NOTE: 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."

SAVE THESE INSTRUCTIONS

Specifications

Power Consumption	120V/60Hz, 1350W(microwave)
Output	900W
Operation Frequency	2450MHz
Outside Dimensions(H x W x D)	11 ¹ / ₁₆ × 19 × 14 in.
Oven Cavity Dimensions(H x W x D)	8 ¹¹ / ₁₆ × 13 ⁶ / ₁₆ × 12 ⁵ / ₈ in.
Oven Capacity	0.8 cu.ft.
Cooking Uniformity	Turntable System
Net Weight	Approx.30.0lbs

INSTALLATION GUIDE

1. Make sure that all the packing materials are removed from the inside of the door.
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 and contact qualified service personnel.
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.
4. Do not place the oven where heat, moisture, or high humidity are generated, or near combustible materials.
5. For correct operation, the oven must have sufficient air flow. 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.
6. Do not operate the oven without glass tray, roller support, and shaft in their proper positions.
7. Make sure that the power cord is undamaged and does not run under the oven or over any hot or

sharp surface.

8. The socket must be readily accessible so the microwave oven can be easily unplugged in an emergency.

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.

WARNING!-- Improper use of the grounding plug can result in a risk of electric shock.

This appliance must be connected to a grounded, metallic, permanent wiring system, or an equipment grounding conductor should be run with the circuit conductors and connected to the equipment grounding terminal or lead on the appliance.

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 servicemen 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 outlet properly installed and grounded.

Power Cord

- A short power supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
- Longer cord sets or extension cords are available and may be used if care is exercised in their use.
- If long cord or extension cord is used:
- The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
- 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.

Note:

- If you have any questions about the grounding or electrical instructions, consult a qualified electrician or service person.
- Neither the manufacturer 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.

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.

Cooking Utensils Guide

This section lists which utensils can be used in this microwave, which have limited use for short periods, and which should not be used in this 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. You should keep distance of 1 inch (2.54cm) between aluminum foil and cavity.

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.

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.

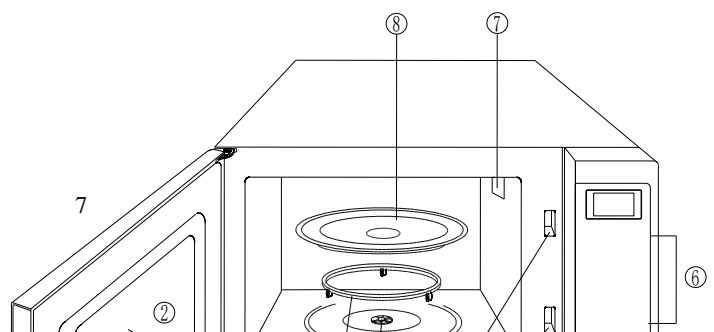
Metal utensils — These can damage your oven. Remove all metal before cooking.

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.

Product Diagram

1. Door Safety Lock System
2. Oven Window



3. Roller Ring
4. Shaft
5. Door Release Button
6. Control Panel
7. Wave Guide (Please do not remove the mica plate covering the wave guide)
8. Glass Tray

Control Panel



- **DISPLAY**

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

- **AUTO COOK MENUS**

There are 6 kinds of auto cook menus. Use to set auto cook program.

- **NUMBER PADS (0-9)**

Use to adjust power level, set time or food weight.

- **CLOCK**

Use to set the current time.

- **POWER**

Use to select microwave power level.

- **COOK**

Use for multi-stage cooking. Enable cooking at multiple power and time setting automatically.

- **TIMER**

Use to set timer program.

- **SPEED DEFROST**

Use to set defrost program based on time.

- **WEIGHT DEFROST**

Use to set defrost program based on weight.

- **COOK BY WEIGHT**

Use to cook food based on weight.

- **RESET/STOP**

Use to cancel all settings or set child lock.

- **START/+30SEC**

Press to start a cooking program. It is also used to set quick start function or to increase cooking time during

cooking.

Operation Instructions

- During cooking, if press RESET/STOP pad once, the program will be paused, but if press RESET/STOP pad twice, the program will be canceled.
- After ending cooking, the system will sound beeps to remind user every two minute until user press any pad or open the door.

Setting Clock

This is a 12 or 24 hour clock, and you can select it by pressing CLOCK pad.

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

1. In standby mode, touch CLOCK pad once to select 12 hour clock, press again to select 24 hour clock.
2. Use the number pads to enter the correct time (touch number pads 8, 3, 0 in order to enter 8:30).
3. Touch CLOCK pad again to confirm.

NOTE: During cooking, the current time can be seen by touching CLOCK pad.

Timer Function

1. In standby state or during cooking process, touch TIMER pad.
2. Use the number pads to enter desired time. The longest time is 99 minutes 99 seconds.
3. Touch START/+30SEC pad to start.

NOTE: You can check the countdown time by pressing TIMER pad, but if press RESET/STOP pad when the display shows the time, the function is cancelled.

Quick Start

In standby mode, press START/+30SEC pad repeatedly to enter cooking time, the oven will auto start cooking at full power level. The longest cooking time you can enter is 10 minutes.

NOTE: During cooking, you can add cooking time by touching START/+SEC pad.

Microwave Cooking

1. Press POWER pad a number of times to enter cooking power.
2. Use the number pads to enter cooking time. The longest time is 99 minutes 99 seconds.
3. Touch START/+30 SEC pad.

Press POWER pad to set a cooking power level:

Press	Cooking power(Display)		Press	Cooking power(Display)
Once	100% (P100)		7 times	40% (P-40)
Twice	90% (P-90)		8 times	30% (P-30)
3 times	80% (P-80)		9 times	20% (P-20)
4 times	70% (P-70)		10 times	10% (P-10)
5 times	60% (P-60)		11 times	0% (P-00)
6 times	50%(P-50)			

NOTE: During cooking, the current power level can be seen by touching POWER pad.

Speed Defrost

1. Touch SPEED DEFROST pad.
2. Use the number pads to enter defrosting time. The longest time is 99 minutes 99 seconds.
3. Touch START/+30 SEC pad.

NOTE: During defrosting program, the system will pause and sound beeps to remind user to turn food over, and then press START/+30 SEC pad to resume.

Cook By Weight

The cooking time and power level are adjusted automatically once the weight is programmed.

1. Touch COOK BY WEIGHT pad.
2. Press number pad 1, 2 or 3 to select food type (1 signs beef, 2 signs mutton, 3 signs pork).
3. Use the number pads to enter food weight (for example, touch 4,1,2 to enter 4lb12oz).
4. Touch START/+30 SEC pad to confirm.

Cook By Weight Code Description:

CODE	TYPE	MAX WEIGHT
1	Beef	5 lb. 16 oz.
2	Mutton	5 lb. 16 oz.
3	Pork	4 lb. 8 oz.

Note:

- Weight must be in pounds and ounces. If label gives weight in pounds only, change the fraction of a pound to ounces using the following chart.

Converting Fractions of a Pound to Ounces

Fractions of a pound	Ounces		Fractions of a pound	Ounces
Less than .03	0		.54 to .59	9
.03 to .09	1		.60 to .65	10
.10 to .15	2		.66 to .71	11
.16 to .21	3		.72 to .78	12
.22 to .27	4		.79 to .84	13
.28 to .34	5		.85 to .90	14
.35 to .40	6		.91 to .97	15

.41 to .46	7	above .97	16
.47 to .53	8		

- During cooking, the system will pause automatically and sound to remind user to turn food over. After that, touch START/+30 SEC pad to resume cooking.

Weight Defrost

The defrosting time and power level are adjusted automatically once the weight is programmed. Maximum weight is 5 LB.16 OZ.

1. Touch WEIGHT DEFROST pad.
2. Use the number pads to enter food weight (for example, press 4, 1, 2 to enter 4lb12oz).
3. Touch START/+30 SEC pad.

Note:

- Weight must be in pounds and ounces. If label gives weight in pounds only, change the fraction of a pound to ounces by using the chart given above.
- During defrosting program, the system will pause and sound beeps to remind user to turn food over, and then press START/+30 SEC pad to resume.

Multistage Cooking

Your oven can be programmed up to 3 automatic cooking sequences. It can be composed of Speed Defrost with one or two Microwave Cooking program, or composed of two Microwave Cooking program.

A. Speed Defrost with one or two-stage Microwave Cooking

1. Open the door and place the food into the oven, close it.
2. Touch SPEED DEFROST pad once.
3. Enter desired defrosting time by touching correct number pads.
4. Touch COOK pad once.
5. Input the first stage cooking program.
6. Touch COOK pad once.
7. Input the second stage cooking program.
8. Press START/+30 SEC to start.

Note: Step 5 and 6 is not necessary if you have one Microwave Cooking program. Speed Defrost can only be set in the first stage.

B. Two-stage Microwave Cooking

Some recipes require different stages of cooking at different temperatures.

1. Input the first stage cooking program.
2. Touch COOK pad once.
3. Input the second stage cooking program.
4. Press START/+30 SEC to start.

Setting Child Lock

The lock prevents unsupervised operation by children.

To set the CHILD LOCK: Touch and hold the RESET/STOP pad for 3 seconds, a beep sounds and lock indicator lights.

To cancel the CHILD LOCK: Touch and hold the RESET/STOP pad for 3 seconds until lock indicator on display goes off.

Auto Cook

POTATO

For small potatoes (3.5 to 5oz /each):

1. Touch POTATO once.
2. Enter number of potatoes by touching number pads from 1 to 4.
3. Touch START/+30 SEC pad.

For larger potatoes (6 to 8 oz/each):

1. Touch POTATO twice.
2. Enter number of potatoes by touching number pads from 1 to 4.
3. Touch START/+30 SEC pad.

POPCORN

1. Touch POPCORN pad once.
POPCORN automatically sets the cooking time for a 3.5 oz bag of microwave popcorn.
2. Touch START/+30 SEC pad.

Note: To change the preset POPCORN time: Touch POPCORN pad twice. ENTER TIME appears in the display. Touch number pads to enter minutes and seconds, the longest time is 99 minutes 99 seconds. Touch START/+30 SEC pad. This new cooking time will be set as the default one until you reset it or next power on.

PIZZA

Reheating a slice of pizza (about 5 oz):

1. Touch PIZZA pad once.
2. Touch START/+30 SEC pad.

Heating a whole ice pizza (about 16 oz):

1. Touch PIZZA pad twice.

2. Touch START/+30 SEC pad.

BEVERAGE

For cups (5 to 7 oz/each):

1. Touch BEVERAGE pad once.
2. Enter number of cups by touching number pads from 1 to 4.
3. Touch START/+30 SEC pad.

For larger coffee cups (9 to 11 oz/each):

1. Touch BEVERAGE pad twice.
2. Enter number of mugs by touching number pads from 1 to 4.
3. Touch START/+30 SEC pad.

FROZEN DINNER

For small frozen dinners (7 to 9 oz/each):

1. Touch FROZEN DINNER pad once.
2. For 1 entree or 2 entrees, touch the number pad "1" or "2".
3. Touch START/+30 SEC pad.

For large frozen dinners (10 to 12 oz/each):

1. Touch FROZEN DINNER pad twice.
2. For 1 entree or 2 entrees, touch the number pad "1" or "2".
3. Touch START/+30 SEC pad.

REHEAT

For reheating medium-sized food:

1. Touch REHEAT pad.
2. Press START/+30 SEC pad.

Cleaning and Care

1. Turn off the oven and unplug the power cord from the wall when cleaning.
2. Keep the inside of the oven clean. When food splatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergents may be used if the oven gets very dirty. Avoid using spray or other harsh cleaners. They may stain, streak or dull the door surface.
3. The outside of the oven 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.
4. Wipe the door and window on both sides, the door seals and adjacent parts frequently with a damp cloth to remove any spills or splatters. Do not use abrasive cleaner.
5. 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.
6. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity condition. And it is normal.
7. It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in a dishwasher.
8. 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, soapy water or in a dishwasher. When removing the roller ring, be sure to replace it in the proper position.
9. Remove odors from your oven by combining a cup of water with the juice and skin of one lemon in a microwaveable bowl. Microwave for 5 minutes. Wipe thoroughly and dry with a soft cloth.
10. If the light bulb burns out, please contact customer service to have it replaced.
11. The oven should be cleaned regularly and any food deposits should be removed. Failure to maintain the oven in a clean condition could lead to deterioration of surface that could adversely affect the life of the unit and could possibly result in a hazardous situation.
12. Please do not dispose of this appliance into the domestic rubbish bin; it should be disposed to the particular disposal center provided by the municipalities.