

PANASONIC NN-S951 Owner's Manual

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Panasonic

Operating Instructions

Microwave Oven Models NN-S951 NN-S751



This manual contains Safety Instructions, Operating Instructions and Maintenance of the oven.

Before operating this oven, please read these instructions completely.

Antes de operar este producto, lea este instruct volen su totalidad.

El manual de instrucciones en español puede ser encontrada en la páginas 19-25

(Spanish Operating Instructions can be found on pages 19-25)

For assistance, please call :1-800-211-PANA(7262) or send e-mail to :consumerproducts@panasonic.com or visit us at www.panasonic.com

(U.S.A)

For assistance, please call: 787-750-4300 or visit us at www.panasonicpr.com

(Puerto Rico)

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) 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. Under normal conditions oven will not operate with door open.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) 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:
 - (1) door (bent),
 - (2) hinges and latches (broken or loosened),
 - (3) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

Technical Specifications

i	NN-S951	NN-S751
Power Source:	120 V, 60 Hz	120 V, 60 Hz
Power Consumption:	11.5 Amps, 1320 W	11.5 Amps, 1320 W
Output:*	1300 W	1300 W
Outside Dimensions	14" x 23 ⁷ / ₈ " x 19 ⁹ / ₁₆ "	11 15/16" x 21 7/8" x 19 9/16"
(H x W x D):	(356 x 606 x 497mm)	(304 x 555 x 497mm)
Oven Cavity Dimensions	10 ¹⁵ /16" x 18 ⁷ /16" x 18 ¹ /2"	9" x 16 ⁷ /16" x 18 ¹ /2"
(H x W x D):	(278 x 469 x 470mm)	(228 x 418 x 470mm)
Operating Frequency:	2,450 MHz	2,450 MHz
Uncrated Weight:	Approx. 36 lbs. (16.4 kg)	Approx. 32lbs. (14.3 kg)

^{*}IEC 705-88 Test procedure

Specifications subject to change without notice.

The serial number of this product may be found on the back side of the oven. You should note the model number and the serial number of this oven in the space provided and retain this book as a permanent record of your purchase for future reference.

Model No	
Serial No.	
Date of Purchase	

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IMPORTANT SAFETY INSTRUCTION

Your microwave oven is a cooking device and you should use as much care as you use with a stove or any other cooking device. When using this electric 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 "PRECAU-TIONS TO AVOID POSSIBLE EXPO-SURE TO EXCESSIVE MICROWAVE ENERGY," found on the inside front cover.

- This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 3.
- 4. Install or locate this appliance only in accordance with the installation instructions found on page 3.
- Do not cover or block any openings on this appliance.
- 6. Do not store or use this appliance outdoors. Do not use this product near water-for

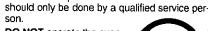
example, near a kitchen sink, in a wet basement, or near a swimming pool, and the like.

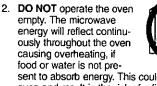
- Use this appliance only for its intended use as described in this manual. DO NOT use corrosive chemicals, vapors, or non-food products in this appliance. This type of oven is specifically designed to heat or cook. It is not designed for industrial or laboratory use. The use of corrosive chemicals in heating or cleaning will damage the appliance and may result in radiation leaks.
- When cleaning surfaces of door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft
- Do not allow children to use this appliance, unless closely supervised by an adult.
- 10. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not let cord hang over edge of a table or
- 14. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized servicenter for examination, repair or adjustment.
- 15. Some products such as whole eggs, narrow neck bottles and sealed containersfor example, closed glass jars—may explode and should not be heated in this oven.

- 16. To reduce the risk of fire in the oven cavity:
 - (a) Do not overcook food. Carefully attend appliance if 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

General Use

1. DO NOT tamper with or make any adjustments or repairs to door, Control Panel housing, safety interlock switches or any other part of the oven. DO NOT remove outer panel from oven. Repairs





- sent to absorb energy. This could damage the oven and result in the risk of a fire.
- 3. DO NOT dry clothes, newspapers or other materials in oven, or use newspapers or paper bags for cooking. Fire could result.
- DO NOT use recycled paper products unless the paper product is labeled as safe for microwave oven use. Recycled paper products may contain impurities which may cause sparks, and result in fires when used.
- 5. DO NOT hit or strike Control Panel. Damage to controls may occur. Fire could result.
- POT HOLDERS should always be used when removing items from the oven. Heat is transferred from the HOT food to the cooking container and from the cooking container to the Glass Tray. The Glass Tray can be very HOT after removing the cooking container from the oven.
- DO NOT store flammable materials next to, on top of, or in the oven. These could be fire hazards.

SAVE THESE INSTRUCTIONS

For proper use of your oven read remaining safety cautions and operating instructions.

Installation and Grounding Instructions

Examine Your Oven

Unpack oven, remove all packing material and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if oven is damaged. **DO NOT** install if oven is damaged.

Placement of Oven

- Oven must be placed on a flat, stable surface. For proper operation, the oven must have sufficient air flow. Allow 3-inches (7.6 cm) of space on both sides of the oven and 1-inch (2.5 cm) of space on top of oven.
 - a. DO NOT block air vents. If they are blocked during operation, the oven may be overheated and damaged. When using any cloth over the oven, the air intake and exhaust should not be blocked. Also should allow space on back and both

sides of oven properly.

b. DO NOT place oven near a hot, damp surface such as a gas or electric range, or

 c. DO NOT operate oven when room humidity is too high.

This oven was manufactured for household use only.

Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This 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 service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded. If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

Power Supply

- 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.
- 3. If a long cord or extension cord is used, (1) the marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance, (2) the extension cord must be a grounding-type 3-wire cord, and (3) the longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally.

Wiring Requirements

- The oven must be on a SEPARATE CIRCUIT.
 No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow, the circuit breaker may trip, or the food may cook slower than the times recommended in this manual.
- 2. The VOLTAGE used must be the same as specified on this microwave oven (120 V, 60 Hz). Using a higher voltage is dangerous and may result in a fire or other incident causing oven damage. Using a lower voltage will cause slow cooking. Panasonic is NOT responsible for damage resulting from the use of the oven with other than the specified voltage.
- 3. The oven must be plugged into at least a 20 AMP, 120 VOLT, 60 Hz GROUNDED OUTLET. Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet.

TV / Radio Interference

- Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
- When there is interference, it may be reduced or eliminated by taking the following measures:
 - a. Clean door and sealing surfaces of the oven.
 (See Care of Your Microwave Oven)
 - b. Place the radio, TV, etc. away from the microwave oven as far as possible.
 - Use a properly installed antenna to obtain stronger signal reception.

Glass Tray

- DO NOT operate the oven without Roller Ring and Glass Tray in place.
 DO NOT operate the oven without the Glass
- DO NOT operate the oven without the Glass Tray fully engaged on the drive hub. Improper cooking or damage to the oven could result. Verify that the Glass Tray is properly engaged and rotating by observing its rotation when you press Start.
- Only use the Glass Tray specifically designed for this oven. Do not substitute any other glass tray
- If the Glass Tray is hot, allow to cool before cleaning or placing in water.
- DO NOT cook directly on the Glass Tray. Always place food in a microwave-safe dish, or on a rack set in a microwave-safe dish.
- If food or utensil on Glass Tray touches oven walls, causing the tray to stop moving, the tray will automatically rotate in the opposite direction. This is normal.
- 7. Glass Tray can turn in either direction.

Roller Ring

- Roller Ring and oven floor should be cleaned frequently to prevent excessive noise.
- Roller Ring must always be used for cooking along with Glass Tray.
- Always replace Roller Ring and Glass Tray in their proper positions.

Safety Precautions

Follow These Safety Precautions When Cooking in Your Oven

Proper cooking depends upon the power, the time set and the quantity of food. If you use a smaller portion than recommended and cook at the time for the recommended portion, fire can

1) HOME CANNING / DRYING FOODS / SMALL QUANTITIES OF FOODS

- DO NOT use your oven for home canning, your oven cannot maintain the food at the proper canning temperature. Improperly canned food may spoil and be dangerous to consume.
- DO NOT dry meats, herbs, fruits or vegetables in your oven. Small quantities of food or foods with low moisture content can dry out, scorch or catch on fire if overheated.

2) POPCORN

Popcorn may be popped in a microwave oven corn popper. Microwave popcom which pops in its own package is also available. Follow popcorn manufacturers' directions and use a brand suitable for the wattage of your microwave oven.

CAUTION: When using pre-packaged microwave popcorn, follow recommended package instructions. Check package weight before using the Popcorn pad (see Popcorn Pad section). Set the oven for the weight of the popcorn package.

If these instructions are not followed, the popcorn may not pop adequately or may ignite and cause a fire. Never leave oven unattended when popping popcorn. Allow the popcorn bag to cool before opening, always open the bag away from your face and body to prevent steam burns.

3) DEEP FAT FRYING

 DO NOT attempt to deep fat fry in your microwave oven. Cooking oils may burst into flames and may cause damage to the oven and perhaps result in burns. Microwave utensils may not be able to withstand the temperature of the hot oil, and could shatter or melt.
4) FOODS WITH NONPOROUS SKINS

- Potatoes, apples, whole eggs, egg yolks, whole squash and sausages are examples of foods with nonporous skins. These types of foods must be pierced before microwave cooking to prevent their bursting.
- Use fresh potatoes for baking and cook until just done. Use recommended weights for programmed cooking. Overcooking causes dehydration and may result in a fire.

5) LIQUIDS

- · Liquids can become "superheated" in a microwave, and when the container is moved in any way, the superheated liquids can
- "explode" out of the container. "Superheated" water is hotter than boiling water, EVEN THOUGH IT DOES NOT APPEAR TO BUBBLE. To reduce the possibility

of this occurrence:

Always make sure that liquids are stirred vigorously before heating to assure that the liquid is mixed with air. NEVER HEAT LIQUIDS FOR AN EXCESSIVE LENGTH OF TIME.

6) GLASS TRAY / COOKING UTENSILS / FOIL

- Cooking utensils get hot during microwaving. Heat is transferred from the HOT food to the container and the Glass Tray. Use potholders when removing utensils from the oven or when removing lids or plastic wrap covers from cooking utensils to
- . The Glass Tray will get hot during cooking. It should be allowed to cool before handling or before paper products, such as paper plates or microwave popcom bags, are placed in the oven for microwave cooking.
- · When using foil, skewers, warming rack or utensils made of metal in the oven, allow at least 1 inch (2.5 cm) of space between metal material and interior oven walls. If arcing occurs (sparking), remove metal material (skewers etc.) and/or transfer to a non-metallic container.
- Dishes with metallic trim should not be used, as arcing may occur.
- . If an entree is heated in a foil tray, maintain at least 1-inch (2.5 cm) spacing from the oven walls.
 7) PAPER TOWELS / CLOTHS

 DO NOT use paper towels or cloths which contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite. Use paper toweling under supervision.

8) BROWNING DISHES / OVEN COOKING BAGS

- . Browning dishes or grills are designed for microwave cooking only. Always follow instructions provided by the manufacturer. DO NOT preheat browning dish more than 6 minutes.

 If an oven cooking bag is used for microwave
- cooking, prepare according to package directions. **DO NOT** use a wire twist-tie to close bag, instead use plastic ties, cotton string or a strip cut from the open end of the bag.
 9) THERMOMETERS

 DO NOT use a conventional meat thermometer in your oven. Arcing may occur. Microwave-safe thermometers are available for both meat and

candy. 10) BABY FORMULA / FOOD

 DO NOT heat baby formula or food in the microwave oven. The glass jar or surface of the food may appear to be only warm while the interior can be so hot as to burn the infant's mouth and esophagus

11) REHEATING PASTRY PRODUCTS

 When reheating pastry products, check temperatures of any fillings before eating. Some foods have fillings which heat faster and can be extremely hot, while the surface remains warm to the touch (ex. Jelly Donuts).

12) GENERAL OVEN USAGE GUIDELINES

- DO NOT use the oven for any reason other than the preparation of food.
- DO NOT leave oven unattended while in use

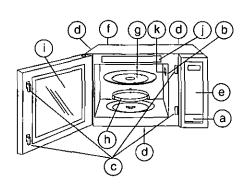
Cookware and Utensil Guide

ITEM	MICROWAVE	COMMENTS
Aluminum Foil	Yes for Shielding only	Small strips of foil can be molded around thin parts of meat or poultry to prevent overcooking. Arcing can occur if foil is too close to oven wall or if too much foil is used.
Browning Dish	Yes	Browning dishes are designed for microwave cooking only. Check browning dish information for instructions and heating chart. Do not preheat for more than 6 minutes.
Brown paper bags	No	May cause a fire in the oven.
Dinnerware Labeled "Microwave-Safe"	Yes	Check manufacturers' use and care directions for use in microwave heating. Some dinnerware may state on the back of the dish, "Oven-Microwave Safe".
Other Dinnerware	?	Use CONTAINER TEST below.
Disposable polyester Paperboard Dishes	Yes	Some frozen foods are packaged in these dishes. Can be purchased in grocery stores.
Fast Food Carton with Metal Handle	No	Metal handle may cause arcing
Frozen Dinner Tray Metal	Yes	Frozen dinners may be heated in foil tray, if tray is less than %-in. (2 cm) high. Place foil tray in center of oven. Leave at least 1-in. (2.5 cm) space between foil tray and oven walls. Heat only 1 foil tray in the oven at a time. For containers more than %-inch (2 cm) deep remove food and place in a
Microwave-safe	Yes	Heat only 1 foil tray in the oven at a time. For containers more than %-inch (2 cm) deep,remove food and place in a similar size microwave-safe container.
Glass Jars	Yes, use caution	Remove lid. Heat food until just warm, not HOT. Most glass jars are not heat resistant. Do not use for cooking.
Glassware		
Heat Resistant Oven Glassware & Ceramics	Yes	Ideal for microwave cooking and browning. (See CONTAINER TEST below)
Metal Bakeware	No	Not recommended for use in microwave ovens.
Metal Twist-Ties	No .	May cause arcing which could cause a fire in the oven.
Oven Cooking Bag	Yes	Follow manufacturers' directions. Close bag with the nylon tie provided, a strip cut from the end of the bag, or a piece of cotton string. Do not close with a metal twist-tie. Make six ½-in. (1 cm) slits near the closure.
Paper Plates & Cups	Yes	Use to warm cooked foods, and to cook foods that require short cooking times such as hot dogs.
Paper Towels & Napkins	Yes	Use to warm rolls and sandwiches by microwave.
Parchment Paper	Yes	Use as a cover to prevent spattering. Safe for use in microwave, microwave/convection and conventional ovens.
Plastic Microwave-Safe Cookware	Yes	Should be labeled, "Suitable for Microwave Heating." Check manufacuters' directions for recommended uses.
Reheat & Storage	Yes, use caution	Some microwave-safe plastic dishes are not suitable for cooking foods with high fat or sugar content. The heat from hot food may cause the plastic to warp.
Melamine	No	This material absorbs microwave energy. Dishes get HOT!
Plastic Foam Cups	Yes, use caution	Plastic foam will melt if foods reach a high temperature. Use to bring foods to a low serving temperature.
Plastic Wrap	Yes	Use to cover food during cooking to retain moisture and prevent spattering. Should be labeled "Suitable for Microwave Heating". Check package directions.
Straw, Wicker, Wood	Yes	Use only for short term reheating and to bring food to a low serving temperature.
Thermometers	Yes	Use only microwave-safe meat and candy thermometers.
Microwave-safe, only Conventional	No No	Not suitable for use in microwave oven, will cause sparks and get hot.
Wax paper	Yes	Use as a cover to prevent spattering and to retain moisture.

CONTAINER TEST

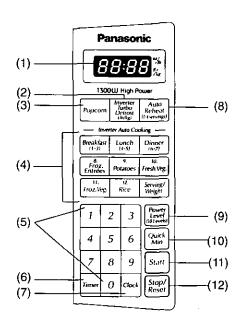
TO TEST A CONTAINER FOR SAFE MICROWAVE OVEN USE: Fill a 1- cup glass measure with water and place it in the microwave oven along with the container to be tested; heat one (1) minute at P10 (HIGH). If the container is microwave oven-safe (transparent to microwave energy), the container should remain comfortably cool and the water should be hot. If the container is hot, it has absorbed some microwave energy and should NOT be used. This test cannot be used for plastic containers.

Feature Diagram



- (a) Door Release Button
- b) Internal Air Vents
- © Door Safety Lock System
- d) External Air Vents
- (e) Control Panel
- (f) Identification Plate
- (g) Glass Tray
- h) Roller Ring
- i) Heat/Vapor Barrier Film (do not remove)
- (i) Menu Label
- (k) Cover (do not remove)

Control Panel



- (1) Display Window
- (2) Inverter Turbo Defrost Pad (●page 8)
- (3) Popcorn Pad (*page 8)
- (4) Inverter Auto Cooking Pads (*page 10-11)
- (5) Number Pads
- (6) Timer Pad (page 12)
- (7) Clock Pad (**●**page 7)
- (8) Auto Reheat Pad (◆page 10)
- (9) Power Level Pad (page 7)
- (10) Quick Min Pad (page 7)
- (11) Start Pad

One tap allows oven to begin functioning. If door is opened or **Stop/Reset** Pad is pressed once during oven operation, **Start** Pad must be pressed again to restart oven.

(12) Stop/Reset Pad

Before cooking: One tap clears your instruction.

During cooking: One tap temporarily stops the cooking process. Another tap cancels all your instructions and time of day or colon appears on the **Display Window**.

Beep Sound:

When a pad is pressed correctly, a beep will be heard. If a pad is pressed and no beep is heard, the unit did not or cannot accept the instruction. The oven will beep twice between programmed stages. At the end of any complete program, the oven will beep 5 times.

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Clock Setting

The oven will operate without setting the clock.

Example: To set 11:25 a.m. or p.m.		
1. Clock	Press once. ➤Colon flashes.	
2.	Enter time of day using the number pads. Time appears on the Display Window, colon continues flashing.	
3. Clock	Press. Colon stops flashing; time of day is entered.	

NOTES:

- 1.To reset the clock, repeat steps 1-3.
- 2. The clock will retain the time of day as long as the oven is plugged in and electricity is supplied.
- 3.Clock is a 12 hour display.
- 4. Oven will not operate while colon is flashing.

Quick Min Function

This feature allows you to set and/or add cooking times easily in multiples of one minute.

To Set Cooking Time:

1.	Quick Min	Set cooking time (up to 10) Power Level is P10.
2.	Start	 Press Start Pad. Cooking begins and Display Window counts down. At the end of cooking, 5 beeps sound and colon or time of day appears.

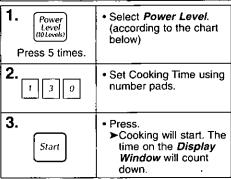
NOTE:

- 1. You can use other power levels, select desired power level before setting cooking time.
- 2. After setting the time by Quick Min Pad, you cannot use Number Pads, and vice versa.
- 3. Press Quick Min Pad to add more time during cooking. To verify the additional cooking time, check the Display Window.

Power & Time Setting

How do I program Power and Time?

Example: To cook at P 6 (MEDIUM) Power for 1 minute 30 seconds



Press	Power Level
once	P10 (HIGH)
twice	P 9
3 times	P 8
4 times	P 7 (MEDIUM-HIGH)
5 times	P 6 (MEDIUM)
6 times	P 5
7 times	P 4
8 times	P 3 (MEDIUM-LOW)/DEFROST
9 times	P 2
10 times	P 1 (LOW)

NOTES:

- NOTES:

 1. For more than one stage cooking, repeat steps
 1 and 2 for each stage of cooking before
 pressing *Start* Pad. Maximum number of
 stages for cooking is 5 stages.

 2. When selecting P10 (HIGH) power for the first
 stage, you may begin at step 2.

 3. Two beeps will sound between each stage of
 programming. Five beens will sound at the end
- programming. Five beeps will sound at the end
- of the enrire sequence.
 4.When selecting P10 (HIGH) power, the maximum programmable time is 30 minutes. For other power levels, the maximum time is
- 99 minutes and 99 seconds. 5.For reheating, use P10 (HIGH) for liquids, P7 (MEDIUM-HIGH) for most foods and P6 (MEDIUM) for dense foods.
- 6.For defrosting, use P3 (MEDIUM-LOW).

Popcorn Pad

Example: To heat 3.5 oz. of Popcorn

1. Popcorn	Set the desired weight of prepackaged microwave popcorn.	
	Press	Weight
Press 5 times	once twice 3 times 4 times 5 times	1.75 oz. (50g) 2.65 oz. (75g) 2.85 oz. (80g) 3.0 oz. (85g) 3.5 oz. (99g)
Start	Press Start Pad. Cooking time appears in the Display Window and begins to count down	

NOTES ON POPCORN PAD:

- Use prepackaged room temperature microwave popcorn. Read manufacturers' instructions.
- Place bag in oven according to manufacturers' directions.
- 3. Pop only one bag at a time.
- After popping, allow the contents of the bag to cool for a few minutes before opening. Open bag carefully away from face and body because popcorn and steam are extremely hot.
- 5. Do not reheat unpopped kernels or reuse bag.
- NEVER leave oven unattended when popping popcorn. Stop the oven when popping slows to 2 to 3 seconds between pops. Overcooking may cause scorching.
- 7. With the many varieties of microwave popcorn available in the market place, it may be necessary for you to move the popcorn container to the outer edge of the Glass Tray to obtain the best cooking results.

Remarks: When popping multiple bags one right after the other, the cooking times may vary slightly. This does not affect the popcorn results.

CAUTION: If pre-packaged popcorn is of a different weight than the recommended weight, do not use the preset popcorn settings. Set power level and time according to the manufacturer's instructions.

Inverter Turbo Defrost

This feature allows you to defrost meat, poultry and seafood simply by entering the weight.

Example: To defrost 1.5 pounds of meat.	
1. Inverter Turbo Duffron Invites	Press. "def" appears briefly in the <i>Display Window</i> .
2. 1 5	Enter weight of the food using the number pads.
Start .	Press. Defrosting will start. The time on the Display Window will count down.

NOTE:

Time will vary depending on size and wattage of your oven.

Conversion Chart:

Follow the chart to convert ounces or hundredths of a pound into tenths of a pound. To use Auto Defrost, program the weight of the food in lbs. (1.0) and tenths of a lb. (0.1). If a piece of meat weighs 1.95 lbs. or 1 lb. 14 oz., program 1.9 lbs.

		_
Ounces	Hundredths of a Pound	Tenths of a Pound
0	.0105	0.0
1-2	.0615	0.1 -
3-4	.1625	0.2
5	.2635	0.3
6-7	.3645	0.4
8	.4655	0.5
9-10	.5665	0.6
11 - 12	.6675	0.7
13	.7685	0.8
14 - 15	.8695	0.9

Defrosting Tips & Techniques

Before Freezing:

- 1. Freeze meats, poultry and fish in packages with only 1 or 2 layers of food. Place wax paper between
- Package in heavy-duty plastic wraps, bags (labeled "For Freezer") or freezer paper.
 Remove as much air as possible, i.e. create a vacuum.
 Seal securely, date and label.

To Defrost:

- 1. Remove wrapper. This helps moisture to evaporate. Juices from food can get hot and cook the food.
 2. Set food on microwave safe roasting rack in an appropriately sized dish.
 3. Place roasts fat-side down. Place whole poultry breast-side down.
 4. Drain liquids during defrosting.
 5. Turn over (invert) items during defrosting.
 6. Shield edges and ends if needed. (See Cooking Techniques).
 7. Select power and minimum time so that items will be under-defrosted.

After Defrosting:

- 1. Large items may be icy in the center. Defrosting will complete during STANDING TIME.
- Let stand, covered with plastic wrap, in the refrigerator for time shown in the chart below.
 See chart below for standing time and rinsing directions.
- 4. Items which have been layered should be rinsed separately or have a longer stand time.

FOOD	DEFROST TIME at P3 (min./lb.)	DURING DEFROSTING	AFTER DEFF	
Fish and Seafood [up to 3 lbs. (1.4 kg)]				
Crabmeat	6	Break apart/Rearrange		
Fish Steaks	4 to 6	Turn over	5 min.	YES
Fish Fillets	4 to 6	Turn over/Rearrange/Shield ends		
Sea Scallops	4 to 6	Break apart/Remove defrosted pieces		
Whole fish	4 to 6	Turn over		
Meat Ground Meat	4 to 5	Turn over/Remove defrosted portion/ Shield edges	10 min.	- "
Roasts [2½-4 lbs. (1.1-1.8 kg)]	4 to 8	Turn over/Shield ends and defrosted surface	30 min. in refrig.	
Chops/Steak	6 to 8	Turn over/Rearrange/Shield ends and defrosted surface	, -	
Ribs/T-bone	6 to 8	Turn over/Rearrange/Shield ends and defrosted surface		NO
Stew Meat	4 to 8	Break apart/Rearrange/ Remove defrosted pieces	5 min.	
Liver (thin sliced)	4 to 6	Drain liquid/Turn over/ Separate pieces		
Bacon (sliced)	4	Turn over	• • • •	
Poultry				
Chicken, Whole [up to 3 lbs. (1.4 kg)]	4 to 6	Turn over/Shield	20 min. in refrig.	
Cutlets	4 to 6	Break apart/Turn over/ Remove defrosted Pieces	5 min.	YES
Pieces	4 to 6	Break apart/Turn over/Shield	40	
Cornish Hens	6 to 8	Turn over/Shield	10 min.	
Turkey Breast [5-6 lbs. (2.3-2.7 kg)]	6	Turn over/Shield	20 min. in refrig.	

Auto Reheat

This feature allows you to reheat 1 to 4 servings of precooked room temperature and refrigerator temperature foods without setting power and time.

Example: To rel	Example: To reheat 2 cups of soup	
Auto Reheat (14 servings) Press twice.	Press until the desired number of servings appears in the <i>Display Window</i> .	
2.	Press. Cooking time appears in the Display Window and begins to count down.	

Press Auto Reheat pad to indicate number or servings	Average Serving Size	Time	
once	4-6 oz.	will vary	
twice	8 oz.	depending	
three times	12 oz.	on size and	
four times	16 oz.	wattage of oven	

NOTES: For best results, follow these recommendations:

- 1.All foods must be previously cooked.
- Foods should always be covered loosely with plastic wrap, wax paper or casserole lid.
- All foods should have a covered stand time of 3 to 5 minutes.
- 4.DO NOT reheat bread and pastry products using Auto Reheat Use manual power and time instead.
- 5.DO NOT reheat beverages.
- 6.Times are based on an approximate serving size of 4 oz.
- 7.A plate of food is normally 3-4 servings.

Inverter Auto Cooking

Example: To cook a 10 oz. Frozen Entree.

1. 8. Froz. Entrées	• Press
2. Serving/ Weight Press twice.	 Press. ➤ Verify ServingWeight in the Display Window.
3. Start	 Press. Cooking time appears in the Display Window and begins to count down.

Child Safety Lock

This feature prevents the electronic operation of the oven until cancelled. It does **not** lock the door.

1. Start Press three times.	 Press ➤ "Child" appears in the <i>Display</i> Window. 	
Stop/Reset Press three times.	 Press. "Child" disappears and colon or time of day appears. 	

NOTES:

- "Child" continutes to be displayed until Child Lock is cancelled.
- Keypads may be pressed but the microwave will not start.

Inverter Auto Cooking

These foods are tested and pre-timed (based on the power rating of this oven) for the quantity of food listed in the chart below. Locale, power fluctuations and personal tastes are not taken into account. Should you prefer your food cooked differently, use power and time method shown on page 7.

MEAL	FOOD	SERVING / WEIGHT	HINTS	
Breakfast	1.Oatmeal	0.5, 1 cup (125, 250 mL)	Place inside a microwave-safe serving bowl with no cover. Follow manufacturers' directions for preparation of quick meal.	
2.Beverages		1, 2 cups (250, 500 mL)	Use a microwave-safe coffee cup. Heated liquids can erupt if not mixed with air. Do not heat liquids in your microwave oven without stirring before and after heating.	
	3.Bacon	4 slices (3.2-4 oz.) (90-110g) 6 slices (4.8-5.8 oz.) (135-165 g) 10 slices (8.1-9.5 oz.) (230-270 g) 14 slices (11.6-13 oz.) (330-370 g)	Place slices of bacon on a microwave-safe dish. Cover with paper towel. Times may vary by brand (weight). If bacon is not cooked to your liking, continue to heat by manually adding more time.	
Lunch	4.Soup	1, 2 cups (250, 500 mL)	Pour soup into a microwave-safe serving bowl. Cover loosely with lid or vented plastic wrap.	
	5.Frozen Pizza	4, 8 oz, (110, 225 g)	Follow manufacturers' directions for preparation	
Dinner	6.Chicken Pieces	6, 12, 18, 24 oz. (170, 340, 500, 680 g)	Place skin side up. Cover with vented plastic wrap. Let stand 5 minutes before serving.	
7.Ground Meat		16, 32 oz. (450, 900 g)	Break apart in glass bowl or colander Cover with vented plastic wrap. After 2 beeps, stir. Recover and press Start . Juices should be clear. Drain.	
8. Frozen Entrées		8, 10, 20, 32 oz. (225, 300, 600, 900 g)	Follow manufacturers' directions for covering or removing covers. For best results, do not use frozen foods packaged in foil tray.	
9.Potatoes		1, 2, 3, 4 pieces (6-8 oz. each) (170-225 g)	Piece skin with fork 6 times on top. Place potatoes on a microwave-safe dish. Do not cover. Let stand 5 minutes to complete cooking.	
10. Fresh Vegetab	les	4, 8, 12, 16 oz. (110, 225, 340, 450 g)	All pieces should be the same size. Add a small amount of water and cover loosely with lid or vented plastic wrap.	
11. Frozen Vegetabl	es	6, 10, 16 oz. (170, 300, 450 g)	Follow manufacturers' directions. Do not salt until after cooking. Not suitable for vegetables in butter or sauce.	
12.Rice		0.5, 1, 1.5 cups (125, 250, 375 mL)	Place rice with hot water in a microwave- safe casserole dish. Cover loosely with lid or vented plastic wrap. Let stand 5 to 10 minutes before serving.	

Timer Setting

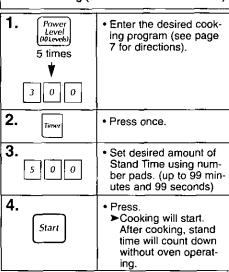
This feature allows you to program a Standing Time after cooking is completed and to program the oven as a kitchen timer and/or to program a delay start.

To Use as a Kitchen Timer:

Example: To count 5 minutes		
1.	• Press.	
2. 5 0 0	Set desired amount of time using number pads. (up to 99 minutes and 99 seconds).	
3. Start	Press. ➤Time will count down without oven operating.	

To Set Stand Time:

Example: To stand for 5 mins. after cooking (3 mins. at MEDIUM Power)



To Set Delay Start:

Example: To start cooking 5 minutes later. (3 mins. at MEDIUM Power).

L	
1. Timer	• Press once.
5 0 0	Enter desired amount of delayed time using number pads. (up to 99 minutes and 99 seconds)
Power Level (101 cvels) 5 times	Enter the desired cooking program (see page 7 for directions).
4. Start	Press. Delayed time will count down. Then cooking will start.

NOTES:

- When each stage finishes, a two beep signal sounds. At the end of the program, the oven will beep five times.
- If oven door is opened during Stand Time or Kitchen Timer, the time on the *Display Window* will continue to count down.
- 3. Stand time and Delay time cannot be programmed before any Auto Control Function. This is to prevent the starting temperature of food from rising before defrosting or cooking begins. A change in starting temperature could cause inaccurate results.

Microwave Shortcuts

FOOD	POWER	TIME (in mins.)	DIRECTIONS
To separate Bacon , 1 pound (450 g)	P10 (High)	30 sec.	Remove wrapper and place in microwave safe dish. After heating, use a plastic spatula to separate slices.
To soften Brown Sugar 1 cup (250 mL)	P10 (High)	20 - 30 sec.	Place brown sugar in microwave-safe dish with a slice of bread. Cover with plastic wrap
To soften Butter, 1 stick, ¼ pound (110 g)	P3 (MED-LOW)	1	Remove wrapper and place butter in a microwave-safe dish.
To melt Butter, 1 stick, ¹ / ₄ pound (110 g)	P6 (MEDIUM)	11/2 - 2	Remove wrapper and place butter in a microwave-safe dish covered with plastic wrap.
To melt Chocolate , 1 square, 1 oz. (28 g) To melt Chocolate , 1/2 cup (125 mL) chips	P10 (High) P10 (High)	1 - 1½ 1 - 1½	Remove wrapper and place chocolate in a microwave-safe dish. Stir before adding more time. (Stir until completely melted.) Note: Chocolate holds its shape even when softened.
To toast Coconut, ¹/₂ cup (125 mL)	P10 (High)	1	Place in a microwave-safe dish. Stir every 30 seconds.
To soften Cream Cheese, 8 oz. (250 g)	P3 (MED-LOW)	1 - 2	Remove wrapper and place in a microwave-safe bowl.
To brown Ground Beef , 1 pound (450 g)	P10 (High)	4 - 5	Crumble into a microwave-safe colander set into another dish. Stir twice. Drain grease.
To steam Hand Towels - 4	P10 (High)	20 - 30 sec.	Soak in water, then wring out excess. Place on a microwave-safe dish. Heat. Present immediately.
To soften Ice Cream, 1/2 gallon (2 L)	P3 (MED-LOW)	1 - 11/2	Check often to prevent melting.
Cup of liquid boiling water, broth, etc. 1 cup, 8 oz. (250 mL) 2 cups, 16 oz. (500 mL) to heat milk 1 cup, 8 oz. (250 mL) 2 cups, 16 oz. (500 mL)	P10 (High) P7 (MED- HIGH)	2½-3 4 2-3 4-5	Heated liquids can erupt if not stirred. Do not heat liquids in microwave oven without stirring before and after heating.
To roast Nuts, 1½ cups (375 mL)	P10 (High)	4 - 5	Spread nuts into a 9-inch (230 mm) microwave-safe pie plate. Stir occasionally.
To toast Sesame Seeds , 1/4 cup (50 mL)	P10 (High)	3 - 5	Place in a small microwave-safe bowl. Stir twice.
To skin Tomatoes (one at a time)	P10 (High)	30 sec	Place tomato into a microwave-safe bow containing boiling water. Rinse and peel. Repeat for each tomato.
To remove Cooking Odors	P10 (High)	5	Combine 1 to 11/2 cups (250 - 375 mL) water with the juice and peel of one leme in a small microwave-safe bowl. After heating, wipe interior of oven with a cloth

Food Characteristics

Bone and Fat

Both bone and fat affect cooking. Bones may cause irregular cooking. Meat next to the tips of bones may overcook while meat positioned under a large bone, such as a ham bone, may be undercooked. Large amounts of fat absorb microwave energy and the meat next to these areas may overcook.

Density

Porous, airy foods such as breads, cakes or rolls take less time to cook than heavy, dense foods such as potatoes and roasts. When reheating donuts or other foods with different centers be very careful. Certain foods have centers made with sugar, water or fat and these centers attract microwaves (For ex., jelly donuts). When a jelly donut is heated, the jelly can become extremely bot while the extractor remains warm to the touch hot while the exterior remains warm to the touch. This could result in a burn if the food is not allowed to cool properly in the center.

Quantity
Two potatoes take longer to cook than one potato. As the quantity of the food increases so does the cooking time. When cooking small amounts of food such as one or two potatoes, do not leave oven unattended. The moisture content in the food may decrease and a fire could result.

Shape

Uniform sizes heat more evenly. The thin end of a drumstick will cook more quickly than the meaty end. To compensate for irregular shapes, place thin parts toward the center of the dish and thick pieces toward the edge.

Size

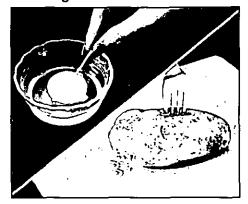
Thin pieces cook more quickly than thick pieces.

Starting Temperature

Foods that are room temperature take less time to cook than if they are chilled or refrigerated or frozen.

Cooking Techniques

Piercing



Foods with skins or membranes must be pierced scored or have a strip of skin peeled before cooking to allow steam to escape. Pierce whole egg yolks and whites, clams, oysters, chicken livers, whole potatoes and whole vegetables. Whole apples or new potatoes should have a 1-inch strip of skin peeled before cooking. Score sausages and frankfurters.

Browning

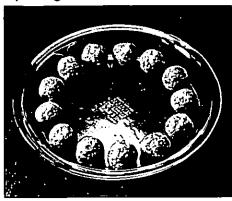


Foods will not have the same brown appearance as conventionally cooked foods or those foods which are cooked utilizing a browning feature. Meats and poultry may be coated with browning sauce, Worcestershire sauce, barbecue sauce or shake-on browning sauce. To use, combine browning sauce with melted butter or margarine; brush on before cooking.

For quick breads or muffins, brown sugar can be used in the recipe in place of granulated sugar, or the surface can be sprinkled with dark spices before baking.

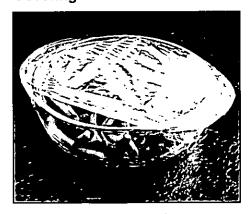
Cooking Techniques

Spacing



Individual foods, such as baked potatoes, cupcakes and appetizers, will cook more evenly if placed in the oven equal distances apart. When possible, arrange foods in a circular pattern.

Covering



As with conventional cooking, moisture evaporates during microwave cooking. Casserole lids or plastic wrap are used for a tighter seal. When using plastic wrap, vent the plastic wrap by folding back part of the plastic wrap from the edge of the dish to allow steam to escape. Loosen or remove plastic wrap as recipe directs for stand time. When removing plastic wrap covers, as well as any glass lids, be careful to remove them away from you to avoid steam burns. Various degrees of moisture retention are also obtained by using wax paper or paper towels. However, unless specified, a recipe is cooked covered.

Cooking Techniques

Shielding

Thin areas of meat and poultry cook more quickly than meaty portions. To prevent overcooking, these thin areas can be shielded with strips of aluminum foil. Wooden toothpicks may be used to hold the foil in place.

Timing

A range in cooking time is given in each recipe. The time range compensates for the uncontrollable differences in food shapes, starting temperature and regional preferences. Always cook food for the minimum cooking time given in a recipe and check for doneness. If the food is undercooked, continue cooking. It is easier to add time to an undercooked product. Once the food is overcooked, nothing can be done.

Stirring is usually necessary during microwave cooking. We have noted when stirring is helpful, using the words once, twice, frequently or occasionally to describe the amount of stirring necessary. Always bring the cooked outside edges toward the center and the less cooked center portions toward the outside of the dish.

RearrangingRearrange small items such as chicken pieces, shrimp, hamburger patties or pork chops. Rearrange pieces from the edge to the center and pieces from the center to the edge of the

Turning

It is not possible to stir some foods to redistribute the heat. At times, microwave energy will concentrate in one area of a food. To help insure even cooking, these foods need to be turned. Turn over large foods, such as roasts or turkeys, halfway through cooking.

Stand Time

Most foods will continue to cook by conduction after the microwave oven is turned off. In meat cookery, the internal temperature will rise 5°F to 15°F (3°C to 8°C), if allowed to stand, tented with foil, for 10 to 15 minutes. Casseroles and vegetables need a shorter amount of standing time, but this standing time is necessary to allow foods to complete cooking to the center without overcooking on the edges.

Testing Doneness

The same tests for doneness used in conventional cooking may be used for microwave cooking. Meat is done when fork-tender or splits at fibers. Chicken is done when juices are clear yellow and drumstick moves freely. Fish is done when it flakes and is opaque. Cake is done when a toothpick or cake tester is inserted and comes out clean. Candy is done when it reaches the proper temperature for each stage of crystallization.

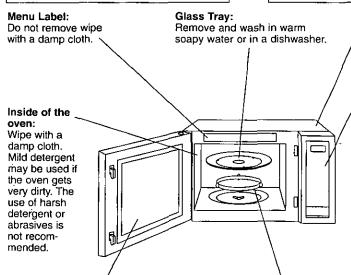
Care of Your Microwave Oven

BEFORE CLEANING:

Unplug at socket of the oven. If impossible, leave oven door open to prevent oven from accidentally turning on.

AFTER CLEANING:

Be sure to replace the Roller Ring and Glass Tray in the proper position and press Stop/Reset Pad to clear the screen.



Outside oven surfaces.

Clean with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into ventilation openings.

Control Panel:

- Covered with a removable protective film to prevent scratches during shipping. Small bubbles may appear under this film. (Hint - To remove film, apply masking or clear tape to an exposed comer and pull gently.)
- If the Control Panel becomes wet, clean it with a soft dry cloth. Do not use harsh detergents or abrasives on the Control

Oven Door:

Wipe with a soft cloth when steam accumulates inside or around the outside of the oven door. During cooking, especially under high humidity conditions, steam is given off from the food. (Some steam will condense on cooler surfaces, such as the oven door. This is normal.)

Inside surface is covered with a heat and vapour barrier film. Do not remove. Roller Ring and oven cavity floor:

Wipe the bottom surface of the oven with mild detergent water or window cleaner and dry. Roller Ring may be washed in mild soapy water or dishwasher. These areas should be kept clean to avoid excessive noise.

ORDER FORM

For more information regarding microwave cooking, order our COOKING GUIDE (68 pages of recipes & charts).

DESCRIPTION

Instruction / Operating Manual (this book) COOKING GUIDE

Glass Tray

Roller Ring Assembly

PART NUMBER

F00035C10AP B000B8250AP

A06014M00AP B06014W00AP

S951 S751

B290D4M00AP B290D9330AP

S951

S751

For pricing quotes, call or write the Parts & Literature Department at the phone or address listed below. Please have your credit card information readily available.

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Web Site: http://www.Panasonic.com

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Before Requesting Service

The oven causes interference with my TV.	b	Some radio and TV interference might occur when you cook with the microwave oven. This interference is similar to the interference caused by small appliances such as mixers, vacuums, blow dryers, etc. It does not indicate a problem with your oven.		
Steam accumulates on the oven door and warm air comes from the oven vents.	O C	turing cooking, steam and warm air a f the steam and warm air are remove frculates in the oven cavity. However, cooler surfaces such as the oven door	d from the oven by the air which some steam will condense on	
I accidentally ran my microwave oven without any food in it.	Н	lunning the oven empty for a short tin lowever, we do not recommend opera ithout any food in it.		
PROBLEM		POSSIBLE CAUSE	REMEDY	
		The oven is not plugged in securely.	Remove plug from outlet, wait 10 seconds and reinsert.	
Oven will not turn on.	→	Circuit breaker or fuse is tripped or blown.	Reset circuit breaker or replace fuse.	
		There is a problem with the outlet.	Plug another appliance into the outlet to check if it is working.	
)	The door is not closed completely.	Close the oven door securely.	
		Start Pad was not pressed after programming.	Press Start Pad.	
Oven will not start cooking.		Another program is already entered into the oven.	Press Stop/Reset Pad to cancel the previous program and enter new program.	
		The program is not correct.	Program again according to the Operating Instructions.	
		Stop/Reset Pad has been pressed accidentally.	Program oven again.	
The Glass Tray wobbles.)	The Glass Tray is not positioned properly on the Roller Ring or there is food under the Roller Ring.	Take out Glass Tray and Roller Ring. Wipe with a damp cloth ar reset Roller Ring and Glass Traproperly.	
When the oven is operating, there is noise coming from the Glass Tray.	 	The Roller Ring and oven bottom are dirty.	Clean these parts according to Care of Your Microwave Ove	

Deactivate LOCK by pressing **Stop/Reset** pad 3 times.

The CHILD LOCK was activated by pressing *Start* pad 3 times.

The word "Child" appears in the *Display Window*.

Warranty & Service

PANASONIC MICROWAVE OVEN LIMITED WARRANTY

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts in exchange for defective parts, free of charge, in the USA or Puerto Rico from the date of original purchase in the event of a defect in materials or workmanship as follows (all time periods start from the date of original purchase):

Parts - one (1) year (except magnetron).

Magnetron Tube - five (5) years.

Labor - one (1) year on all parts (including, without limitations, magnetron tube): After the labor warranty has expired, the purchaser pays for all labor charges for removal and installation of parts (including, without limitation, magnetron tube).

Carry-in or mail-in service in the USA or Puerto Rico can be obtained during the warranty period by contacting a Panasonic Services Company (PASC)
Factory Servicenter listed in the Servicenter Directory. Or call, toll free, 1-800-211-PANA to locate a PASC authorized Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty

service is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover glass, plastic parts, temperature probes (if included), and the exterior and interior finish. The warranty does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor, or failures

which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, improper set-up adjustments, operation and/or maintenance, or alteration, modification, power line surge, improper voltage supply, lightning damage, or commercial use such as hotel, office, restaurant or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT. OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVÉ.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center.

Factory Servicenters Locations

CALIFORNIA 6550 Katella Ave. Cypress, CA 90630

800 Dubuque Ave. S. San Francisco, CA 94080

3878 Ruffin Rd., Suite A San Diego, CA 92123

COLORADO 1640 South Abilene St. Suite D Aurora, CO 80012

FLORIDA 3700 North 29th Ave. Suite 102 Hollywood, FL 33020

GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350

ILLINOIS 9060 Golf Road Niles, IL 60714

1703 N. Randall Road Elgin, IL 60123 (Pick up/Drop off only)

MARYLAND 62 Mountain Road Glen Burnie, MD 21061

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7850-12th Ave. South Airport Business Center Bloomington, MN 55425

OHIO

2236 Waycross Road Civic Center Plaza Forest Park, OH 45240

PENNSYLVANIA 2221 Cabot Blvd. West Suite B Langhorne, PA 19047

13615 Welch Road, Suite 101 Farmers Brunch, TX 75244

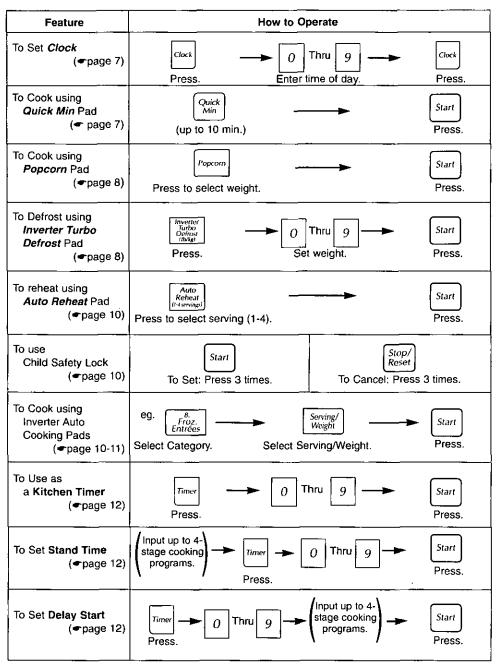
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QUICK GUIDE TO OPERATION



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F00035C10AP CR0101-0 Printed in China