

MW 8107WA

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, 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"** found on page 1.
- 3 This appliance must be grounded. Connect only to properly grounded outlet. See **"GROUNDING INSTRUCTIONS"** found 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-may explode and should not be heated in this oven.
- 6 Use this appliance only for its intended use as described in this manual.
- 7 As with any appliance, close supervision is necessary when used by children.
- 8 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.
- 9 This appliance should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair or adjustment.
- 10 Do not cover or block any openings on the appliance.
- 11 Do not use outdoors.
- 12 Do not immerse cord or plug in water.
- 13 Keep cord away from heated surfaces.
- 14 Do not let cord hang over edge of table or counter.
- 15 When cleaning surfaces of door and oven that comes together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
- 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.
- 17 Do not use this microwave oven to heat corrosive chemicals (for example, sulfides and chlorides). Vapors from such corrosive chemicals may interact with the contact, and springs of the safety interlock switches thereby rendering them inoperable.

CAUTION: Always set short cooking times and check the food frequently. If the recommended cooking times are exceeded the food, especially oil or fat, will be spoiled and in extreme circumstances could catch fire.

SAVE THESE INSTRUCTIONS

MW 8107 WA

SAFETY PRECAUTIONS

GENERAL USE

- 1 DO NOT attempt to tamper with or make any adjustments or repairs to door, control panel or any other part of the oven. DO NOT remove outer case from oven. Repairs should only be done by a qualified service person.
- 2 DO NOT operate the oven empty. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb energy.
- 3 If a fire occurs in the oven, touch the STOP/CLEAR pad and LEAVE THE DOOR CLOSED. Disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
- 4 DO NOT attempt to dry clothes, newspaper or other materials in oven. They may catch on fire.
- 5 DO NOT use recycled paper products as they may contain impurities which may cause sparks and/or fires when used.
- 6 DO NOT hit or strike control panel, damage to controls may occur.
- 7 AVOID inserting nails, wire, etc. through any holes in the unit while operating the oven. Never insert a wire, nail or any other metal object through the holes on the cavity or any other holes or gaps because such objects may cause electric shock and microwave leakage.

UTENSILS

- 1 METAL CONTAINERS or dishes with metallic rims should not be used. Arcing may occur.
- 2 METAL TWIST-TIES must not be used in the microwave oven.
- 3 DO NOT use SEALED JARS or NARROW NECK bottles for cooking or reheating. They may shatter.
- 4 DO NOT use CONVENTIONAL THERMOMETERS in the microwave oven. They may cause arcing.
- 5 Remove PLASTIC STORE WRAPS before cooking or defrosting in the oven.
- 6 For FURTHER INFORMATION on proper cooking utensils, refer to the Introduction in the Microwave cooking guide.

FOOD

- 1 Never use your microwave oven for HOME CANNING. The oven is not designed to permit proper canning. Improperly canned food may spoil and be dangerous to consume.
- 2 COOKING TIMES given in the cooking guide are APPROXIMATE. Factors that may affect cooking are: starting temperature, altitude, volume, size and shape of foods and utensils used. As you become familiar with the oven, you will be able to adjust for these factors.
- 3 It is better to UNDERCOOK RATHER THAN OVERCOOK foods. If food is undercooked, it can always be returned to the oven for further cooking. If food is overcooked, nothing can be done. Always start with minimum cooking times.
- 4 SMALL QUANTITIES of food or foods with LOW MOISTURE content can burn, dry out or catch on fire if cooked too long.
- 5 DO NOT boil eggs in their shell. Pressure may build up and the eggs will explode.
- 6 Potatoes, apples, egg yolks, whole acorn squash and sausage are examples of food with NONPOROUS SKINS. These must be pierced before cooking to prevent bursting.
- 7 POPCORN must be popped in a microwave corn popper. Microwave popped corn produces a lower yield than conventional popping. Do not pop popcorn unless popped in a microwave approved popcorn utensil or unless it's commercially packaged and recommended especially for microwave ovens. Do not use oil unless specified by the manufacturer.
- 8 DO NOT attempt to deep fat fry in your oven.
- 9 HEATED LIQUIDS can ERUPT if not mixed with air. Do not heat liquids in your microwave oven without first stirring.

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT(U.S.A. ONLY)

WARNING:

This equipment generates and uses ISM frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception.

It has been type-tested and found to comply with limits for an ISM Equipment pursuant to part 18 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause 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 followings:

- Reorient the receiving antenna of radio or television.
- Relocate the Microwave oven with respect to the receiver.
- Move the microwave oven away from the receiver.
- Plug the microwave oven into a different outlet so that microwave oven and receiver are on different branch circuits.

THE MANUFACTURER is not responsible for any radio or TV interference caused by UNAUTHORIZED MODIFICATION to this microwave oven. It is the responsibility of the user to correct such interference.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, the grounding plug reduces the risk of electric shock by providing an escape wire for 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 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.

INSTALLATION

1 Steady, flat location

This microwave oven should be set on a steady, flat surface.

2 Ventilation

Do not block air vents. If they are blocked during operation, the oven may overheat and eventually cause a failure. For proper ventilation, keep 3 inches of space between oven's top, sides, rear and area where the unit is to be installed.

3 Away from radio and TV sets

Poor television reception and radio interference may result if the oven is located close to a TV, Radio, antenna, feed, etc. Place the oven as far from them as possible.

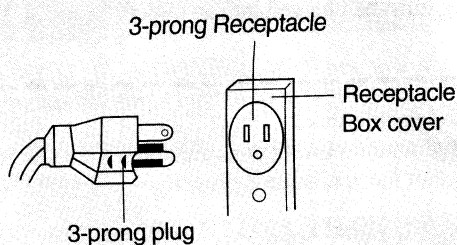
4 Away from heating appliances and water taps

Keep the oven away from hot air, steam or splashing liquids when choosing a place to position it, otherwise the insulation might be adversely affected and breakdowns may occur.

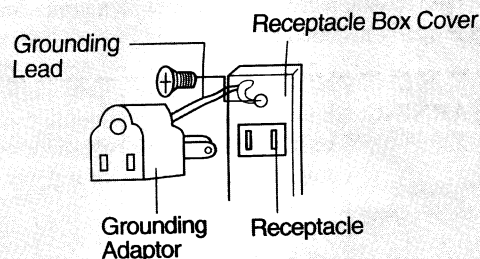
5 Power supply

- Check your local power source.
This microwave oven requires a current of approximately 15 amperes, 120 Volts, 60Hz grounded outlet.
- Power supply cord is about 1.0 meters long.
 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 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 will not drape over the countertop or tabletop where it can be pulled on by children or tripped over unintentionally.

When using 3-pronged plug



When using grounding adaptor, make sure the receptacle box is fully grounded



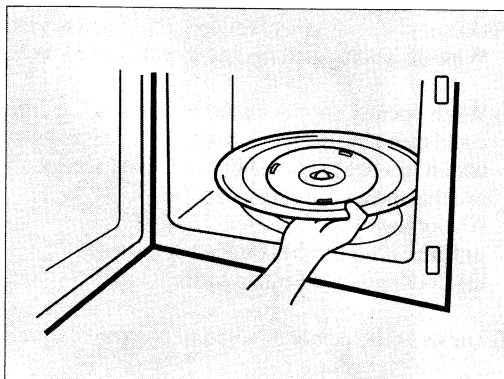
6 Examine the oven after unpacking for any damage such as:

Dents, a misaligned door, broken door, a dent in the cavity.
If any or the above are visible, DO NOT INSTALL and notify dealer immediately.

CARE OF YOUR MICROWAVE OVEN

- 1 Turn the oven off before cleaning.
- 2 Keep the inside of the oven clean. When food spatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. The use of harsh detergent or abrasives is not recommended.
- 3 The outside oven surface should be cleaned with soap and water, rinsed and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
- 4 If the Control Panel becomes wet, clean with a soft, dry cloth. Do not use harsh detergents or abrasives on Control Panel.
- 5 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 conditions and in no way indicates malfunction of the unit.

- 6 It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in a dishwasher.



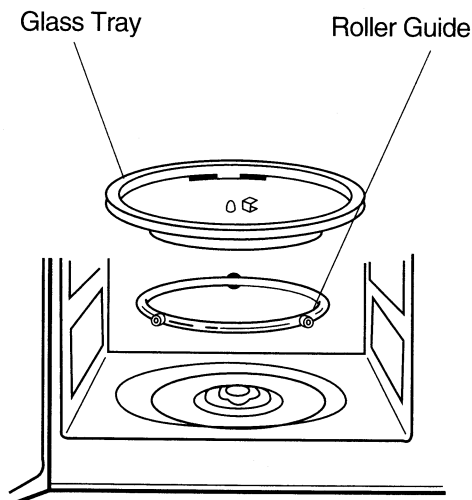
- 7 The roller guide and oven cavity floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent water or window cleaner and dry. The roller guide may be washed in mild sudsy water.

ROLLER GUIDE

- 1 The ROLLER GUIDE and oven floor should be cleaned frequently to prevent excessive noise.
- 2 The ROLLER GUIDE MUST ALWAYS be used for cooking together with the Glass Tray.

GLASS TRAY

- 1 DO NOT operate the oven without the Glass Tray in place.
- 2 DO NOT use any other Glass Tray with this oven.
- 3 If Glass Tray is hot, ALLOW IT TO COOL before cleaning or placing it in water.
- 4 DO NOT cook directly on the Glass Tray.



HOW TO USE YOUR MICROWAVE OVEN SAFELY

Although your oven is provided with safety features, it is important to observe the following:

- a) It is important not to defeat or tamper with safety interlocks.
- b) Do not place any object between the front face and the door or allow residue to accymulate on sealing surfaces.
Wipe the sealing area frequently with a mild detergent, rinse and wipe dry. Never use abrasive powders or pads.
- c) When opened, the door must not be subjected to strain, for example, a child hanging on an opened door or any load could cause the oven to fall forward to cause injury and also damage the door. Do not operate the oven if it is damaged, until it has been repaired by a qualified service engineer. It is particularly important that the oven door closes properly and that there is no damage to the:
 - i) Door (bent)
 - ii) Hinges and Latches (broken or loosened)
 - iii) Door seals and Sealing surfaces
- d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

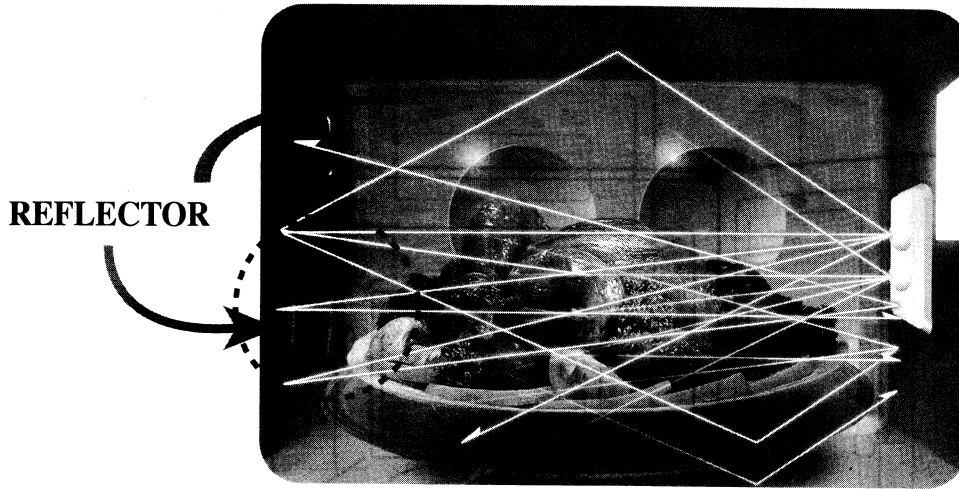
NOTE: It is quite normal for steam to be emitted around the door during the cooking cycle.
The door is not intended to seal the oven cavity completely, but its special design contributes to the complete safety of the appliance.

CAUTION:

1. Do not attempt to operate the oven while empty as this will cause damage.
2. As an exhaust is located in the rear of the oven, install the oven so as not to block the outlet.

OMNI WAVE COOKING SYSTEM™

The Omni Wave Cooking System™ is a new technology from Emerson aimed at cooking food evenly and quickly.

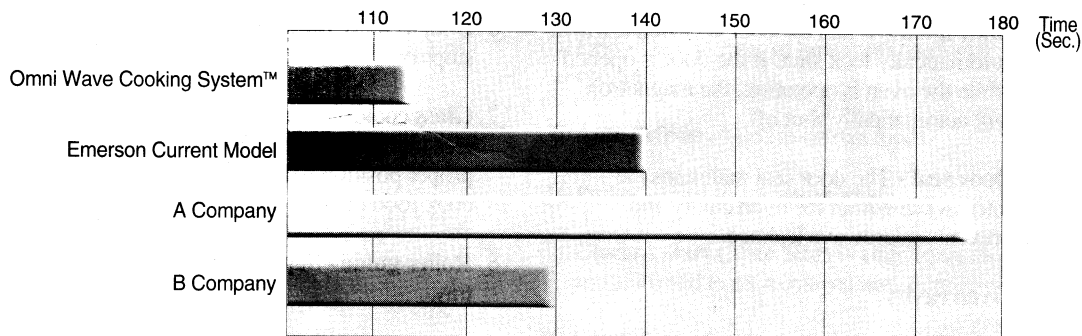


What is the Omni Wave Cooking System™? The Omni Wave Cooking System™ concentrates the waves equally on all areas of the food item. The dual wave system distributes waves evenly into the cavity from two points, one above the item and one below.

Minimized Vertical Temperature Variation: The Omni Wave Cooking System™ emits microwaves on to a reflector which concentrates them on the food, resulting in even cooking. No more hot or cold spots!

Minimized Horizontal Temperature Variation: The Omni Wave Cooking System™ minimizes discrepancy in the temperature of each cooking area by emitting microwaves on the entire tray.

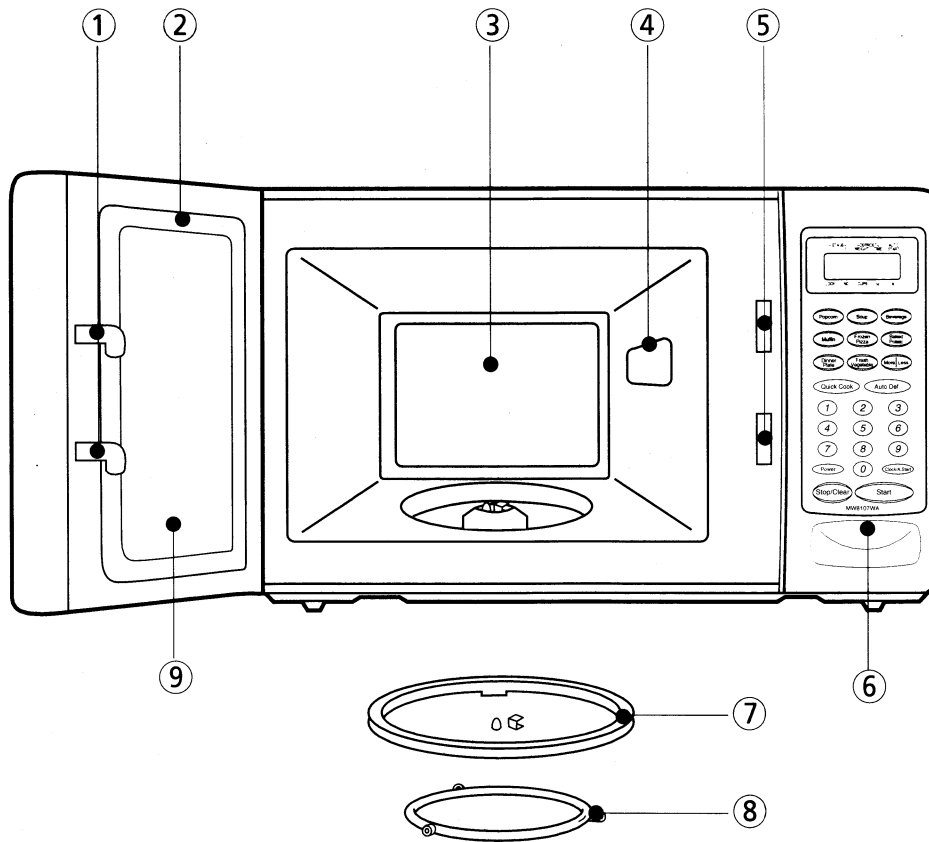
Minimized Cooking Time:



[Cooking test on a 3.5oz (99g) bag of popcorn]

The Omni Wave Cooking System™ achieves quick cooking by emitting microwaves to all sides of the food.

FEATURES DIAGRAM



① **Door latch** - When the door is closed it will automatically lock shut. If the door is opened while the oven is operating, the magnetron will automatically shut off.

② **Door seal** - The door seal maintains the microwave within the oven cavity and prevents microwave leakage.

③ **Oven cavity**

④ **Spatter shield** - Protects the microwave outlet from splashes of cooking foods.

⑤ **Safety interlock system** - Prevents the oven from operating while the door is opened.

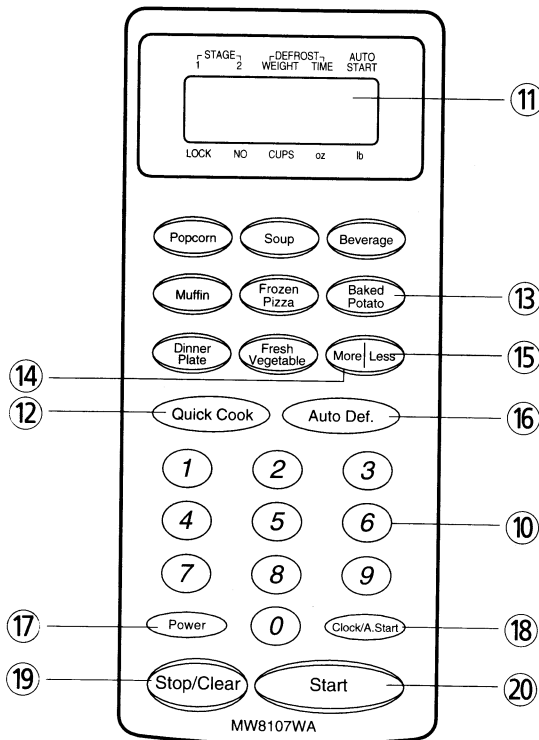
⑥ **Door release button** - Pushing this button stops oven operation and opens the door.

⑦ **Glass cooking tray** - Made of special heat resistant glass. The tray must always be in proper position before operating. Do not cook food directly on the tray.

⑧ **Roller guide** - Supports the glass cooking tray.

⑨ **Door screen** - Allows viewing of food. The screen is designed so that light can pass through, but not the microwaves.

FEATURES DIAGRAM



- ⑩ **Number pads** - Used to set the cooking time and the present time.
- ⑪ **Display** - Cooking time, power level, indicators and present time are displayed.
- ⑫ **Quick Cook** - Touch to set the desired reheat time.
- ⑬ **One touch** - Used to cook or reheat specific quantities of food. See pages 15~17.
- ⑭ **More** - Used to add time to one touch cooking.
- ⑮ **Less** - Used to remove time from one touch cooking.
- ⑯ **Auto defrost** - Used to defrost foods.
- ⑰ **Power** - Used to set power level.
- ⑱ **Clock/A.start (Auto Start)** - Used to set clock and also used to set a delayed auto start.
- ⑲ **Stop/Clear** - Used to stop the oven operation or to delete the cooking data.
- ⑳ **Start** - Used to start the oven.

OPERATION PROCEDURE

This section includes useful information about oven operation.

1. Plug power supply cord into a standard 3-pronged 15 Amp, 120V AC 60Hz power outlet.
 2. After placing the food in a suitable container, open the oven door and put it on the glass tray.
The glass tray and roller guide must always be in place during cooking.
 3. Shut the door. Make sure that it is firmly closed.
-
- 1 The oven light is on only when the microwave oven is operating.
 - 2 The oven door can be opened at any time during operation by pressing the door release button on the control panel. The oven will automatically shut off.
 - 3 Each time a pad is touched, a BEEP will sound to acknowledge the touch.
 - 4 The oven automatically cooks on full power unless set to a lower power level.
 - 5 The display will show " : 0" when the oven is plugged in.
 - 6 Time clock returns to the present time when the cooking time ends.
 - 7 When the Stop/Clear pad is pressed during the oven operation, the oven stops cooking and all information retained.
To erase all information (except the present time), press the Stop/Clear pad once more. If the oven door is opened during the oven operation, all information is retained.
 - 8 If the Start pad is touched and the oven does not operate, check the area between the door and door seal for obstructions and make sure the door is closed securely.
The oven will not start cooking until the door is completely closed or the program has been reset.

Make sure the oven is properly installed and plugged into the electrical outlet.

WATTAGE OUTPUT CHART

• The power-level is set by pressing the POWER pad. The chart shows the display, the power level and the percentage of power

Touch POWER pad Once the Touch	Power level (Display)	Approximate Percentage of Power
POWER	P-HI	100%
9	P-90	90%
8	P-80	80%
7	P-70	70%
6	P-60	60%
5	P-50	50%
4	P-40	40%
3	P-30	30%
2	P-20	20%
1	P-10	10%
0	P-00	0%

HOW TO SET THE OVEN CONTROLS

SETTING THE CLOCK

When the oven is first plugged in, the display will flash “:0” and a tone will sound. If the AC power ever goes off, the display shows “ : 0” when the power comes back on.

Clock/A.Start

1. Press Clock/A.Start pad.
This is a 12 hour clock system.
2. Press Clock/A.Start pad once more.

NOTE : This oven has multiple clock systems. If you want 12 hour clock system, omit this step. (step 2)

3. Enter the correct time of day by touching the numbers in sequence.

4. Touch Clock/A.Start pad.

Clock/A.Start

The display stops blinking, and the colon start blinking. If you selected 12 hour clock system, this digital clock allows you to set from 1:00 to 12:59. If you selected 24 hour clock system, this digital clock allows you to set from 0:00 to 23:59.

NOTE: If you attempt to enter an incorrect time, the time will not be set and a error signal tone will sound. Press the Clock/A. Start pad and re-enter the time.

WEIGHT DEFROSTING

WEIGHT DEFROST lets you easily defrost food by eliminating guesswork in determining defrosting time. The minimum weight for WEIGHT DEFROST is 0.5 pounds. The maximum weight for WEIGHT DEFROST is 6.5 pounds. Follow the steps below for easy defrosting.

Auto Def.

1. Press Auto Def. pad.

The WEIGHT DEFROST indicator lights and "0.0" is displayed and the lb indicator starts blinking.

2. Press number pads for the desired defrosting weight.

The display will show the numbers you pressed in the order you touched.

3. Press Start pad.

WEIGHT DEFROSTING begins.

The defrosting time is automatically determined by the weight entered.

The lb indicator goes off and the weight defrost indicator blinks and the defrosting time counts down in the display window. If the weight of food is more than 0.6 pounds (time defrost from 4:16) in weight defrost, the oven beeps during the defrosting cycle to signal that the food needs to be turned or rearranged. When the defrosting time ends, you will hear 3 beeps.

TIME DEFROSTING

When TIME DEFROST is selected, the automatic cycle divides the defrosting time into periods of alternating defrost and stand times by cycling on and off.

Auto Def.

1. Press Auto Def. pad.

The WEIGHT DEFROST indicator lights, "0.0" is displayed. And the lb indicator starts blinking.

2. Press Auto Def. pad once more.

The TIME DEFROST indicator lights and " : 0" is displayed.

3. Press Touch number pads, for the desired defrosting time.

The display will show the numbers you pressed in the order you touched.

4. Press Start pad.

When you touch START pad, the TIME DEFROST indicator starts blinking to show the oven is in the TIME DEFROST mode. The display counts down the time to show you how much defrosting time is left in the TIME DEFROST mode. If the weight of food is more than 0.6 pounds time entered is more than 4:16 in time defrost, the oven beeps during the defrosting cycle to signal that the food needs to be turned or rearranged. When the defrosting time ends, you will hear 3 beeps.

COOKING IN ONE STAGE

Power

1. Press Power pad.

The STAGE1 indicator lights and "P-" is displayed.

2. Press the number pad for desired power level.

This display will show what you touched. This example shows power level 3.

3

Note: If steps 1 and 2 are omitted, the oven will cook at full power.

3. Press number pads for the cooking time.

The display will show the numbers you pressed in the order you touched.

Note: Your oven can be programmed for 59 minutes 99 seconds.(59:99)

4. Press Start pad.


When you press START pad, the STAGE1 indicator starts blinking to show the oven is cooking. The display counts down the time to show how much cooking time is left. When the cooking time ends, you will hear 3 beeps.

NOTE: Using lower power levels increases the cooking time which is recommended for foods such as cheese, milk and slow cooking of meats.

COOKING IN TWO STAGES

For best results, some recipes call for one power level for a certain length of time and another power level for a different length of time.

Your microwave oven can be set to change from one to another.

- | | | |
|---|--|---|
|  | 1. Press number pads for the desired cooking time in the first stage. | The display will show the numbers you pressed in the order you touched.
This example shows 5 minutes 30 seconds at full power. |
| | 2. Press Power pad. | The STAGE2 indicator lights and "P- " is displayed. |
| | 3. Press the number pads for the power level you want in the second stage. | The display will show what you pressed. |
| | 4. Press the number pads for desired cooking timer in the second stage. | The display will show the numbers you pressed in the order you touched. |
| | 5. Press Start pad. | |
-

When you press START pad, both STAGE 1 & 2 indicator lights come on, STAGE 1 indicator light starts blinking to show you that the oven is cooking in the first of two cook stages.



The oven will cook at the power you selected for stage one. At the end of stage one, the oven will beep and start stage two, the STAGE 1 indicator goes off and the STAGE 2 indicator starts blinking.

The display counts down the time remaining in stage two. When stage two ends, you will hear 3 beeps.

WEIGHT DEFROSTING AND COOKING IN TWO STAGES

All recipes require frozen foods to be defrosted fully before cooking.

This oven can be programmed to automatically defrost foods before cooking.

- | | | |
|---|--|--|
|  | 1. Press Auto Def. pad. | The WEIGHT DEFROST indicator lights and "0.0" is displayed and the lb indicator starts blinking. |
| | 2. Press number pads for the defrosting weight you want. | The display will show the numbers you pressed in the order you touched. |
|  | 3. Press Power pad. | The STAGE1 indicator lights and "P- " is displayed. |
| | 4. Press Power pad once more. | "P-HI" will appear in the display window.
This example shows full power (100%). |
| | 5. Press number pads, for desired cooking time in the first stage. | The display will show the numbers you pressed in the order you touched. |

WEIGHT DEFROSTING AND COOKING IN TWO STAGES (Continued)

- | | | |
|---|---------------------|---|
| Power | 6. Press Power pad. | The STAGE2 indicator lights and "P-" is displayed. |
| 7. Press the number pads for the power level you want in the second stage. | | The display will show what you pressed. |
| 8. Press the number pads for the cooking time you want in the second stage. | | The display will show the numbers you pressed in the order you touched. |
| 9. Press Start pad. | | |
-

When you touch Start pad, the WEIGHT DEFROST, STAGE1 and STAGE2 indicators come on to confirm the power levels selected. The WEIGHT DEFROST indicator starts blinking to show you that the oven is in WEIGHT DEFROST mode. The display counts down the time remaining in WEIGHT DEFROST mode.

When the oven beeps, turn over, break a part and redistribute at a beep. At the end of WEIGHT DEFROST mode, the oven will beep and start stage one. The WEIGHT DEFROST indicator goes off and the STAGE 1 indicator starts blinking. The display counts down the time remaining in stage one. At the end of stage one, the oven will beep and start stage two.

The STAGE1 indicator goes off and the STAGE2 indicator starts blinking. The display counts down the time remaining in stage two when stage two ends, you will hear 3 beeps.

AUTO START

Auto start can be programmed for up to two cooking stages.
Auto start can not be programmed for auto defrost.

- | | | |
|--|------------------------------|--|
| 1. Program the desired power level and cooking time for food to be cooked. | 2. Press Clock/ A.Start pad. | The AUTO START indicator lights and ":0" is displayed. |
| 3. Enter the desired start time by pressing the number. | | The display will show the numbers you pressed pads in the order you touched. |
| 4. Press Start pad. | | |
-

When you touch Start pad, the present time appears in the display and the cooking program indicators come on. The AUTO START indicator and the colon start blinking. When the selected start time arrives, the oven begins operating and the oven light turns on. The AUTO START indicator goes off and the next stage indicator begins to blink. When the cooking is completed you will hear 3 beeps. The oven turns off and the present time appears in the display.

NOTE: AUTO START can be used for time cooking, if the clock is set. If the oven door is opened after programming AUTO START, it is necessary to press the START pad so that the oven will automatically begin programmed cooking at the chosen AUTO START time. Before setting, check to make sure the clock is showing the correct time of day.

TO CHECK AUTO START TIME

Once you have correctly programmed oven for AUTO START, the present time will appear on the display.

Clock/A.Start

1. Press Clock/ A.Start pad.

The programmed AUTO START time will appear on the display for 3 seconds.

QUICK COOK

Quick Cook allows you to reheat for 30 seconds at 100% (full power) by simply Pressing the Quick Cook pad. By repeatedly pressing the Quick Cook pad, you can also extend reheating time to 5 minutes by 30 second increments.

Quick Cook

1. Press Quick Cook pad.

When you press Quick Cook, ":30" is displayed. After 1.5 seconds, the oven starts reheating.

ONE TOUCH COOKING

One touch cook allows you to cook or reheat many of your favorite foods by pressing just one pad. To increase quantity, press chosen pad until number in display is same as desired quantity to cook. (except for MUFFIN & DINNER PLATE)

Popcorn

1. Press Popcorn pad once for a 3.5 oz bag or twice for a 1.75 oz bag.

When you press Popcorn pad once, "3.5" is displayed. After the 1.5 seconds, the display shows the cooking time and the oven starts cooking.

* POPCORN *

- 3.5 oz : Press POPCORN once.
- 1.75 oz : Press POPCORN twice within 1.5 seconds.

- NOTE:**
1. Use prepackaged room-temperature microwave popcorn.
 2. Place bag in oven according to manufacturer's directions.
 3. Pop only one bag at a time.
 4. After popping, open bag carefully; popcorn and steam are extremely hot.
 5. Do not reheat unpopped kernels or reuse bag.
 6. Do not leave oven unattended while popping popcorn.

CAUTION : If prepackaged popcorn is of a different weight than the recommended weight, do not use the popcorn pad. Follow the manufacturer instruction.

ONE TOUCH COOKING (continued)

Frozen
Pizza

1. Press Frozen Pizza pad once for a 7 oz pizza or twice for a 10 oz pizza.

When you press Frozen Pizza pad once, "7" is displayed.
After 1.5 seconds, the display shows the cooking time and the oven starts cooking.

* FROZEN PIZZA *

- 7 oz : Press FROZEN PIZZA once.
- 10 oz : Press Touch FROZEN PIZZA twice within 1.5 seconds.

- NOTE:** 1. Use only frozen pizza at a time.
2. Use only frozen pizza made for microwave ovens.
3. If the cheese of frozen pizza does not melt sufficiently, cook a few seconds longer.
4. Some brands of frozen pizza may require more or less cooking time.

Beverage

1. Press Beverage pad once for 1 cup, twice for 2 cups or three times for 3 cups.

When you touch Beverage pad once, "1" is displayed.
After 1.5 seconds, the display changes into cooking time of quantity and the oven starts cooking.

* BEVERAGE * (250ml/cup)

- 1 cup (mug) : Press BEVERAGE once.
- 2 cups (mugs) : Press BEVERAGE twice within 1.5 seconds.
- 3 cups (mugs) : Press BEVERAGE three times within 1.5 seconds.

- NOTE:** 1. This setting is good for restoring cooled beverage to a better drinking temperature.
2. Stir after cooking.

Dinner
Plate

1. Press Dinner Plate pad once for an 11 oz dinner plate of food.

When you press Dinner Plate pad once, "11" is displayed.
After 1.5 seconds, the display shows the cooking time and the oven starts cooking.

Muffin

1. Press Muffin pad once to cook 5 muffins.

When you press Muffin pad once, "5" is displayed.
After 1.5 seconds, the display shows the cooking time and the oven starts cooking.

ONE TOUCH COOKING (continued)

Soup

1. Press Soup pad once for a 8 oz soup or twice for a 12 oz.

When you Press Soup pad once, "8" is displayed.
After 1.5 seconds, the display shows the cooking time and the oven starts cooking.

* SOUP *

- 8 oz : Press SOUP once.
- 12 oz : Press SOUP twice within 1.5 seconds.

Fresh Vegetable

1. Press Fresh Vegetable pad once for a 8 oz of fresh vegetable or twice for a 12 oz of fresh vegetable.

When you press Fresh Vegetable pad once, "8" is displayed.
After 1.5 seconds, the display shows the cooking time and the oven starts cooking.

* FRESH VEGETABLE *

- 8 oz : Press FRESH VEGETABLE once.
- 12 oz : Press FRESH VEGETABLE twice within 1.5 seconds.

NOTE: For best results, consult the cookbook.

Baked Potato

1. Press Baked Potato pad once for each 5.5 oz ~ 6.5 oz baked potato.

When you press Baked Potato pad once, "1" is displayed.
After 1.5 seconds, the display shows cooking time and the oven starts cooking.

* BAKED POTATO * (5.5 OZ~6.5 OZ/EA.)

- 1 Piece : Press BAKED POTATO once.
- 2 Pieces : Press BAKED POTATO twice within 1.5 second.
- 3 Pieces : Press BAKED POTATO three times within 1.5 second.

MORE/LESS

If the quantity of food to be cooked is slightly more or less than the amount indicated in the charts, use MORE/LESS pads. During reheating, these pads will add or reduce cooking time. These pads work for only ONE TOUCH COOKING mode. Always input cooking times with the MORE/LESS pads before you press the ONE TOUCH COOKING pad.

MORE : One press adds 10 seconds to the cooking time.
Two presses add 20 seconds to the cooking time.
LESS : One press reduces 10 seconds from the cooking time.
Two presses reduce 20 seconds from the cooking time.

CHILD SAFETY LOCK

The safety lock prevents unwanted oven operation such as by small children.
To set, press and hold Stop/ Clear for 3 seconds, LOCK indicator lights.
To cancel, press and hold Stop/ Clear for 3 seconds, LOCK indicator goes off.

TO STOP THE OVEN WHILE THE OVEN IS OPERATING

1. Press Stop/Clear pad.
 - You can restart the oven by pressing Start pad.
 - Press Stop/Clear once more to erase all instructions.
 - You must enter in new instructions.
2. Open the door.
 - You can restart the oven by closing the door and pressing Start.

NOTE: Oven stops operating when door is opened.

COOKING GUIDE

THE PRINCIPLES OF MICROWAVE COOKING

Microwaves are a form of high frequency radio waves similar to those used by a radio including AM, FM and CB. They are, however, much shorter than radio waves; approximately four to six inches long with a diameter of about 0.6cm (1/4 inch). Electricity is converted into microwave energy by the magnetron tube.

From the magnetron tube, microwave energy is transmitted to the oven cavity where it is reflected, transmitted and absorbed.

Reflection

Microwaves are reflected by metal just as a ball is bounced off a wall. A combination of stationary (interior walls) and rotating metal (turntable or stirrer fan) helps assure that the microwaves are well distributed within the oven cavity to produce even cooking.

Transmission

Microwaves pass through some materials such as paper, glass and plastic much like sunlight shining through a window. Because these substances do not absorb or reflect the microwave energy, they are ideal materials for microwave oven cooking containers.

Absorption

During cooking, microwaves will be absorbed by food. They penetrate to a depth of about 1.8 to 3.7cm (3/4 to 1 1/2 inches). Microwave energy excites the molecules in the food (especially water, fat and sugar molecules), and causes them to vibrate at a rate of 2,450,000,000 times per second. This vibration causes friction, and heat is produced. If you vigorously rub your hands together, you will feel heat produced by friction. The internal cooking of larger foods is done by conduction. The heat which is produced by friction is conducted to the center of food.

Foods also continue to cook by conduction during standing time.

Because microwaves dissipate, much like sunlight as it reaches the Earth's surface, they cannot be stored in food.

MICROWAVE UTENSILS

Glass, Ceramic and China

Ovenproof glass or ceramic baking dishes are the most-used microwave utensils. Many of these items are readily available in most homes: glass measures, custard cups, mixing bowls, covered casserole, oblong baking dishes, pie dishes and round or square cake dishes.

Tableware can be used for microwave cooking. If tableware is marked ovenproof, it is frequently safe to use in the microwave oven.

Jars and bottles can be used to warm food to serving temperature, if the lid is removed first. Cooking should not be done in these containers since most are not heat resistant and during extended cooking times, heat from the food would cause cracking or breaking.

Do not use dishes with silver, gold, platinum or other metal trim. Arcing may occur and/or the dish may break.

Do not use delicate glassware. Although the glassware may be transparent to microwave energy, the heat from the food may cause the glassware to crack.

Plastics

Plastic dishes, picnic ware, thermal cups, mugs and bowls may be used in the oven for short period of time. But none of these should be used in the oven for prolonged period because distortion and melting may occur. Check manufacturer's recommendations concerning microwave safety.

Plastic wrap can be used to cover dishes in most recipes. Use plastic wrap as a tight covering, but pierce it before removing to prevent steam burns.

Plastic cooking bags should be slit before cooking so excess steam can escape, Do not wire twist-ties to close bags. They can act as an antenna and cause arcing (blue sparks). Wire twist-ties could damage the oven.

Paper

Paper cups, wax paper, napkins, paper towels, plates and paper cartons may be used for cooking. Prolonged time in the oven can cause paper to burn. Wax paper is suitable to use to prevent spatter.

Do not use recycled paper products, such as brown paper bags, since they contain impurities. which may cause arcing and damage the oven.

Straw, Wicker and Wood

Straw and wicker baskets may be used in the oven for the very short time it takes to heat rolls. Large wooden utensils, such as bowls or cutting boards should not be used for prolonged cooking as the microwave energy may cause the wood to become dry and brittle. However, wooden spoons or wood-handled rubber spatulas can be left in the oven for short periods of time.

Metal

Metal utensils should not be used in the oven. Since microwave energy is reflected by metal, foods in metal containers will not cook evenly. There is also the possibility of "arcing". Arcing may cause damage to the oven walls.

Special Microwave Accessories

Browning dishes can be used for searing, browning and frying during microwave cooking. Browning dish has a special coating on the bottom that attracts microwave energy when the dish is preheated in a microwave oven. Do not preheat the browning dish longer than the manufacturer's recommendation.

Roasting rack to hold the food away from the liquid which accumulates as meat cooks. It is ideal for bacon and assists in reheating pastry and other dry items.

Cake dishes-cupcake, ring molds and cake pans are designed to ensure even results when cooking cakes in a variety of shapes and sizes.



Emerson[®]

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SERVICE CENTER PERMITTED TO
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CALL TOLL FREE: 1-800-695-0098

**FOR ADDITIONAL SET-UP OR
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PLEASE CALL:
1-800-898-9020**

**FOR CUSTOMER SERVICE, PLEASE WRITE TO:
Emerson Radio Corp.
Consumer Affairs Dept.
1901 DIPLOMAT DRIVE
FARMERS BRANCH, TX75234**

LIMITED WARRANTY MICROWAVE OVENS

Emerson Radio Corp. warrants this product to be free from manufacturing defects in original material, including original parts, and workmanship under normal use and conditions ("manufacturing defect") for a period of one (1) year from date of original purchase in, and if used in, the United States ("warranty").

Should service be necessary under this warranty, Emerson will provide the following at an Independent Service Center or Regional Repair Facility permitted by Emerson to perform repairs, provided the manufacturing defect is verified along with the date of purchase:

- * Repair service for one (1) year from date of original purchase at no charge for labor and parts.
- * Replacement of a defective magnetron for seven (7) years from date of original purchase (labor not included after initial twelve (12) months)

There are Independent Service Centers and Regional Repair Facilities located throughout the country. For one nearest you, DIAL TOLL FREE:

1-800-695-0098. In the event the product must be mailed to a Regional Repair Facility which is permitted by Emerson to perform repairs:

- * Pack the unit in a well-padded heavy corrugated box.
- * Enclose your check or money order payable to the REGIONAL REPAIR FACILITY in the amount of \$15.00 to cover return shipping and handling costs.
- * Enclose a copy of your proof of purchase (warranty service will not be provided without dated proof of purchase)
- * Ship the unit prepaid via UPS or parcel post (insured).

NOTE: This warranty does not cover:

- (a) Damage to equipment not properly connected to the product.
- (b) Cost incurred in the shipping of the product to and from a Regional Repair Facility permitted by Emerson to perform warranty repairs.
- (c) Damage or improper operation of unit caused by customer abuse, misuse, negligence, or failure to follow operating instructions provided with the product.
- (d) Ordinary adjustments to the product which can be performed by customer as outlined in the owner's manual.
- (e) Signal reception problems caused by external antenna or cable systems.
- (f) Products not purchased in the United States.
- (g) Damage to product if used outside the United States.

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