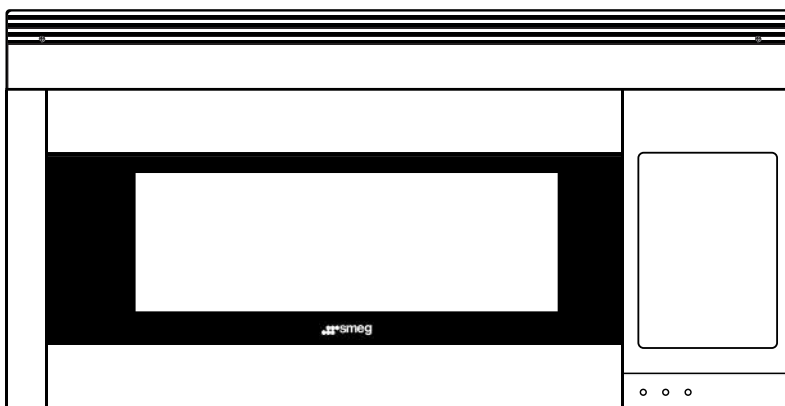


Over the Range Convection Microwave Oven

Instruction Manual

Model: OTR111SU

Read the Instructions carefully and Keep for Future Reference



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.
- (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.

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INTERACTIVE COOKING SYSTEM

The Interactive Cooking System offers step-by-step instructions in the display for using the oven, from setting the clock to programming each feature. It also includes CUSTOM HELP for instructions on using Child Lock, Audible Signal Elimination, Auto Start and Help. There is a choice of English, Spanish or French and a choice of U.S. Customary Unit-pound or Metric-kilograms. Touch CUSTOM HELP and follow the directions displayed or check pages 25.

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”** on page 2.
3. This appliance must be grounded. Connect only to properly grounded outlet. See **“GROUNDING INSTRUCTIONS”** on page 5 and **INSTALLATION INSTRUCTIONS**.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—are able to explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when used by children.
8. 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 Servicer for examination, repair or adjustment.
10. Do not cover or block any openings on the appliance.
11. 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, or similar locations.
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. See door surface cleaning instructions on page 27.
16. To reduce the risk of fire in the oven cavity:
 - a. Do not overcook food. Carefully attend appliance when paper, plastic or other combustible materials are placed inside the oven to facilitate cooking.
 - b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - c. If materials inside the oven should ignite, keep oven door closed, turn oven off and disconnect the power cord or shut off power at the fuse or circuit breaker panel.
 - d. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils or food in the cavity when not in use.
17. Liquids, such as water, coffee or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. **THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID.**

To reduce the risk of injury to persons:

 - a. Do not overheat the liquid.
 - b. Stir the liquid both before and halfway through heating it.
 - c. Do not use straight-sided containers with narrow necks. Use a wide-mouthed container.
 - d. After heating, allow the container to stand in the microwave oven at least for 20 seconds before removing the container.
 - e. Use extreme care when inserting a spoon or other utensil into the container.
18. Clean ventilation openings and grease filters frequently—Grease should not be allowed to accumulate on ventilation openings, louver or grease filters.
19. Use care when cleaning the louver and the grease filters. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the louver and the grease filters.
20. When flaming food under the hood, turn the fan on.
21. This appliance is suitable for use above both gas and electric cooking equipment 36" wide or less.

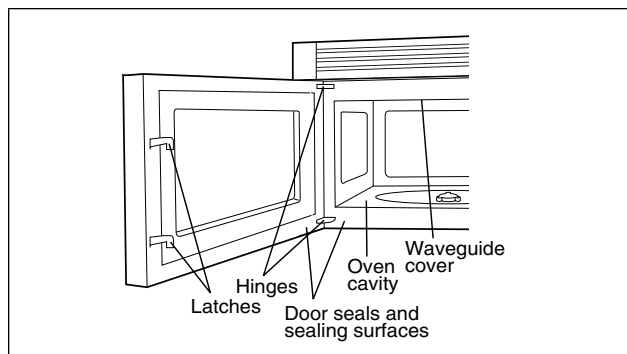
SAVE THESE INSTRUCTIONS

UNPACKING INSTRUCTIONS

Carefully remove oven from carton. **SAVE THE CARTON AS IT MAY MAKE INSTALLATION EASIER.**

Remove all packing materials from inside the oven cavity; however, **DO NOT REMOVE THE WAVEGUIDE COVER**, which is located on the ceiling in the oven cavity. Check to see that there are Installation Instructions, Wall Template and Top Template. Read enclosures and **SAVE** this Instruction Manual.

Check the oven for any damage, such as misaligned or bent door, damaged door seals and sealing surfaces, broken or loose door hinges and latches and dents inside the cavity or on the door. If there is any damage, do not operate the oven and contact your dealer or AUTHORIZED SERVICER.



See Installation Instructions for more details.

GROUNDING INSTRUCTIONS

This appliance must be grounded. This oven is equipped with a cord having a grounding wire with a grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded in accordance with the National Electrical Code and local codes and ordinances. In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current.

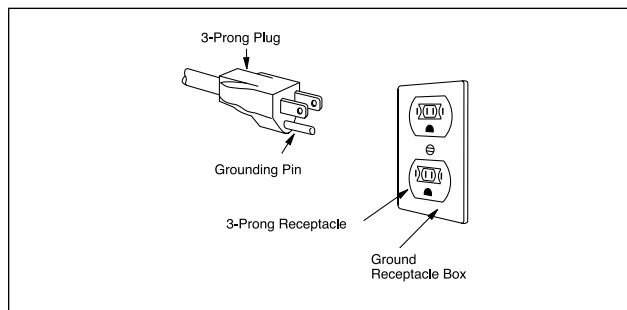
WARNING – Improper use of the grounding plug can result in a risk of electric shock.

ELECTRICAL REQUIREMENTS

Check Installation Instructions for proper location for the power supply.

The electrical requirements are a 120 volt 60 Hz, AC only, 15 amp. or more protected electrical supply. It is recommended that a separate circuit serving only the oven be provided.

The oven is equipped with a 3-prong grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded. **DO NOT UNDER ANY CIRCUMSTANCES CUT OR REMOVE THE GROUNDING PIN FROM THE PLUG.**



Notes:

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

RADIO OR TV INTERFERENCE

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

INFORMATION YOU NEED TO KNOW

ABOUT YOUR OVEN

This Instruction Manual is valuable: read it carefully and always save it for reference.

A good microwave cookbook is a valuable asset. Check it for microwave cooking principles, techniques, hints and recipes.

NEVER use the oven without the turntable and support nor turn the turntable over so that a large dish could be placed in the oven. The turntable will turn both clockwise and counterclockwise. See page 12 for complete instructions.

ALWAYS have food in the oven when it is on to absorb the microwave energy.

When using the oven at power levels below 100%, you may hear the magnetron cycling on and off.

The fan will automatically start when heat rises from range surface units or burners and when convection, high mix, low mix or the broil settings are used.

Condensation is a normal part of microwave cooking. Room humidity and the moisture in food will influence the amount of moisture that condenses in the oven. Generally, covered foods will not cause as much condensation as uncovered ones. Ventilation openings must not be blocked.

The oven is for food preparation only. It should not be used to dry clothes or newspapers.

Your oven is rated 850 watts by using the IEC Test Procedure. In using recipes or package directions, check food a minute or two before the minimum time and add time accordingly.

ABOUT FOOD

FOOD	DO	DON'T
Eggs, sausages, nuts, seeds, fruits & vegetables	<ul style="list-style-type: none">• Puncture egg yolks before cooking to prevent "explosion".• Pierce skins of potatoes, apples, squash, hot dogs and sausages so that steam escapes.	<ul style="list-style-type: none">• Cook eggs in shells.• Reheat whole eggs.• Dry nuts or seeds in shells.
Popcorn	<ul style="list-style-type: none">• Use specially bagged popcorn for the microwave oven.• Listen while popping corn for the popping to slow to 1 or 2 seconds or use special Sensor Popcorn pad.	<ul style="list-style-type: none">• Pop popcorn in regular brown bags or glass bowls.• Exceed maximum time on popcorn package.
Baby food	<ul style="list-style-type: none">• Transfer baby food to small dish and heat carefully, stirring often. Check temperature before serving.• Put nipples on bottles after heating and shake thoroughly. "Wrist" test before feeding.	<ul style="list-style-type: none">• Heat disposable bottles.• Heat bottles with nipples on.• Heat baby food in original jars.
General	<ul style="list-style-type: none">• Cut baked goods with filling after heating to release steam and avoid burns.• Stir liquids briskly before and after heating to avoid "eruption".• Use deep bowl, when cooking liquids or cereals, to prevent boilovers.	<ul style="list-style-type: none">• Heat or cook in closed glass jars or air tight containers.• Can in the microwave as harmful bacteria may not be destroyed.• Deep fat fry.• Dry wood, gourds, herbs or wet papers.

INFORMATION YOU NEED TO KNOW

ABOUT SAFETY

- Check foods to see that they are cooked to the United States Department of Agriculture's recommended temperatures.

TEMP	FOOD
160°F	For fresh pork, ground meat, boneless white poultry, fish, seafood, egg dishes and frozen prepared food.
165°F	For leftover, ready-to-reheat refrigerated, and deli and carry-out "fresh" food.
170°F	White meat of poultry.
180°F	Dark meat of poultry.

To test for doneness, insert a meat thermometer in a thick or dense area away from fat or bone. Never leave the thermometer in the food during cooking, unless it is approved for microwave oven use.

- ALWAYS use potholders to prevent burns when handling utensils that are in contact with hot food. Enough heat from the food can transfer through utensils to cause skin burns.
- Avoid steam burns by directing steam away from the face and hands. Slowly lift the farthest edge of a dish's covering and carefully open popcorn and oven cooking bags away from the face.
- Stay near the oven while it's in use and check cooking progress frequently so that there is no chance of overcooking food.
- NEVER use the cavity for storing cookbooks or other items.
- Select, store and handle food carefully to preserve its high quality and minimize the spread of foodborne bacteria.
- Keep waveguide cover clean. Food residue can cause arcing and/or fires.
- Use care when removing items from the oven so that the utensil, your clothes or accessories do not touch the safety door latches.

ABOUT MICROWAVE COOKING

- Arrange food carefully. Place thickest areas towards outside of dish.
- Watch cooking time. Cook for the shortest amount of time indicated and add more as needed. Food severely overcooked can smoke or ignite.
- Cover foods while cooking. Check recipe or cookbook for suggestions: paper towels, wax paper, microwave

plastic wrap or a lid. Covers prevent spattering and help foods to cook evenly.

- Shield with small flat pieces of aluminum foil any thin areas of meat or poultry to prevent overcooking before dense, thick areas are cooked thoroughly.
- Stir foods from outside to center of dish once or twice during cooking, if possible.
- Turn foods over once during microwaving to speed cooking of such foods as chicken and hamburgers. Large items like roasts must be turned over at least once.
- Rearrange foods such as meatballs halfway through cooking both from top to bottom and from the center of the dish to the outside.
- Add standing time. Remove food from oven and stir, if possible. Cover for standing time which allows the food to finish cooking without overcooking.
- Check for doneness. Look for signs indicating that cooking temperatures have been reached.

Doneness signs include:

- Food steams throughout, not just at edge.
- Center bottom of dish is very hot to the touch.
- Poultry thigh joints move easily.
- Meat and poultry show no pinkness.
- Fish is opaque and flakes easily with a fork.

ABOUT CHILDREN AND THE MICROWAVE

Children below the age of 7 should use the microwave oven with a supervising person very near to them. Between the ages of 7 and 12, the supervising person should be in the same room.

The child must be able to reach the oven comfortably; if not, he/she should stand on a sturdy stool.

At no time should anyone be allowed to lean or swing on the oven door.

Children should be taught all safety precautions: use potholders, remove coverings carefully, pay special attention to packages that crisp food because they may be extra hot.

Don't assume that because a child has mastered one cooking skill he/she can cook everything.

Children need to learn that the microwave oven is not a toy. See pages 25 for Child Lock feature.

INFORMATION YOU NEED TO KNOW

ABOUT UTENSILS AND COVERINGS

It is not necessary to buy all new cookware. Many pieces, already in your kitchen, can be used successfully in your new convection microwave oven. The chart below will help you decide what utensils and coverings should be used in each mode.

Utensils and Coverings	Microwave Only	Convection Broil, Slow Cook	High Mix/Roast Low Mix/Bake
Aluminum foil	YES. Small flat pieces of aluminum foil placed smoothly on food can be used to shield areas from cooking or defrosting too quickly. Keep foil at least 1 inch from walls of oven.	YES. For shielding	YES. For shielding
Aluminum containers	YES. Can be used if 3/4 filled with food. Keep 1 inch away from walls and do not cover with foil.	YES. Broil-No cover	YES. Can be used if 3/4 filled with food. Keep 1 inch away from walls and do not cover with foil.
Browning dish	YES. Do not exceed recommended preheating time. Follow manufacturer's directions.	NO	NO
Glass ceramic (Pyroceram®)	YES. Excellent	YES. Excellent	YES. Excellent
Glass, heat-resistant	YES. Excellent.	YES. Excellent.	YES. Excellent.
Glass, non-heat-resistant	NO	NO	NO
Lids, glass	YES	YES. Broil-No cover	YES
Lids, metal	NO	YES. Broil-No cover	NO
Metal cookware	NO	YES	YES. Do not use metal covering.
Metal, misc: dishes with metallic trim, screws, bands, handles. Metal twist ties	NO	NO	NO
Oven cooking bags	YES. Good for large meats or foods that need tenderizing. DO NOT use metal twist ties.	YES. Broil-No cover	YES. DO NOT use metal twist ties.
Paper plates	YES. For reheating.	NO	NO
Paper towels	YES. To cover for reheating and cooking. Do not use recycled paper towels which may contain metal fillings.	NO	NO

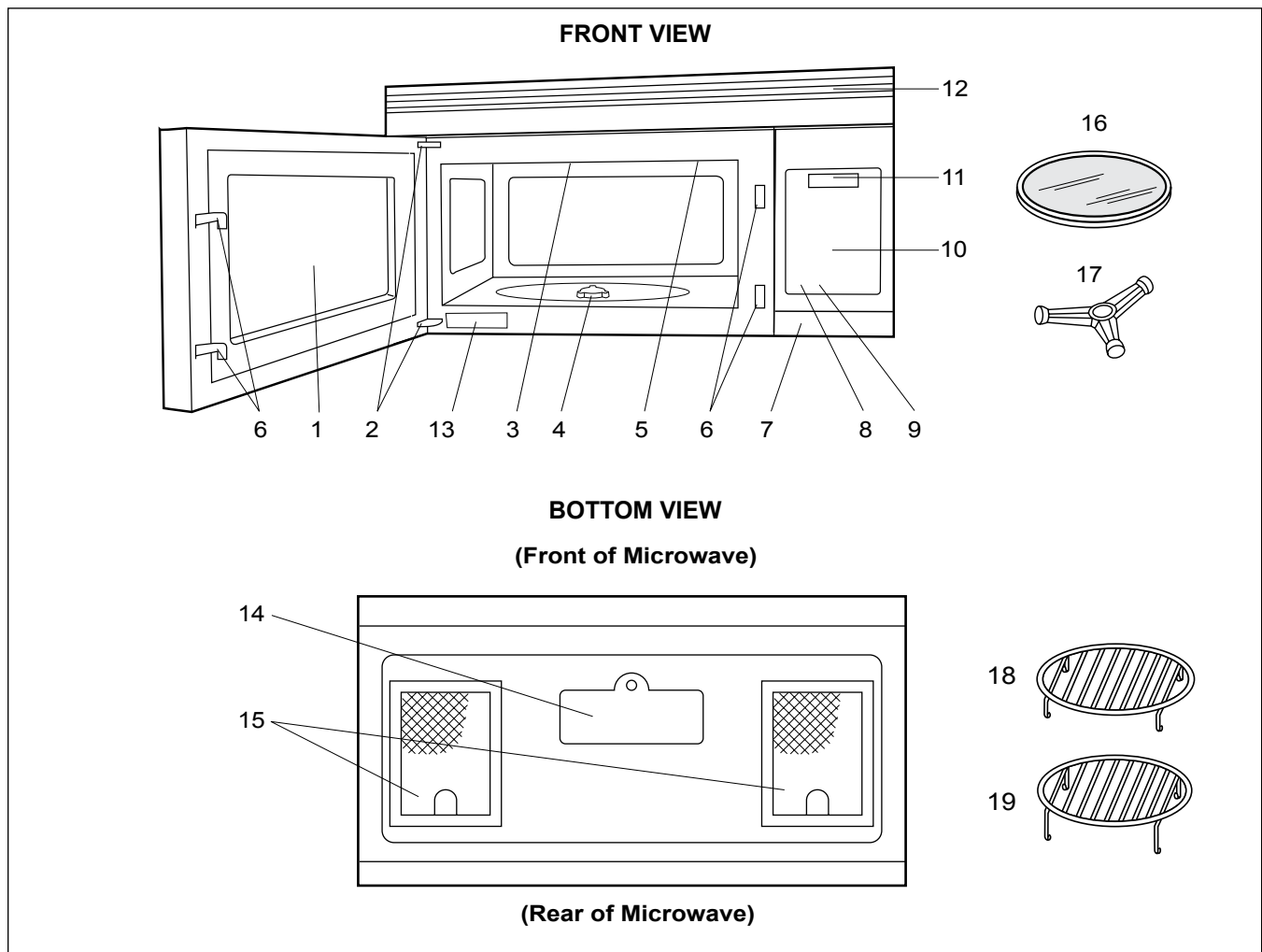
INFORMATION YOU NEED TO KNOW

Utensils and Coverings	Microwave Only	Convection Broil, Slow Cook	High Mix/Roast Low Mix/Bake
Paper, ovenable	YES	YES. For temperatures up to 400°F. Do not use for broiling.	YES. For temperatures up to 400°F.
Microwave-safe plastic containers	YES. Use for reheating and defrosting. Some microwave-safe plastics are not suitable for cooking foods with high fat and sugar content. Follow manufacturer's directions.	NO	NO
Plastic, Thermoset®	YES	YES. Are heat resistant up to 425°F. Do not use for broiling.	YES
Plastic wrap	YES. Use brands specially marked for microwave use. DO NOT allow plastic wrap to touch food. Vent so steam can escape.	NO	NO
Pottery, porcelain stoneware	YES. Check manufacturer's recommendation for being microwave safe.	YES	YES. Must be microwave safe AND ovenable.
Styrofoam	YES. For reheating.	NO	NO
Wax paper	YES. Good covering for cooking and reheating.	NO	NO
Wicker, wood, straw	YES. May be used for short periods of time. Do not use with high fat or high sugar content foods. Could char.	NO	NO

DISH CHECK. If you wish to check if a dish is safe for microwaving, place the empty dish in the oven and microwave on HIGH for 30 seconds. If the dish becomes very hot, DO NOT use it for microwaving.

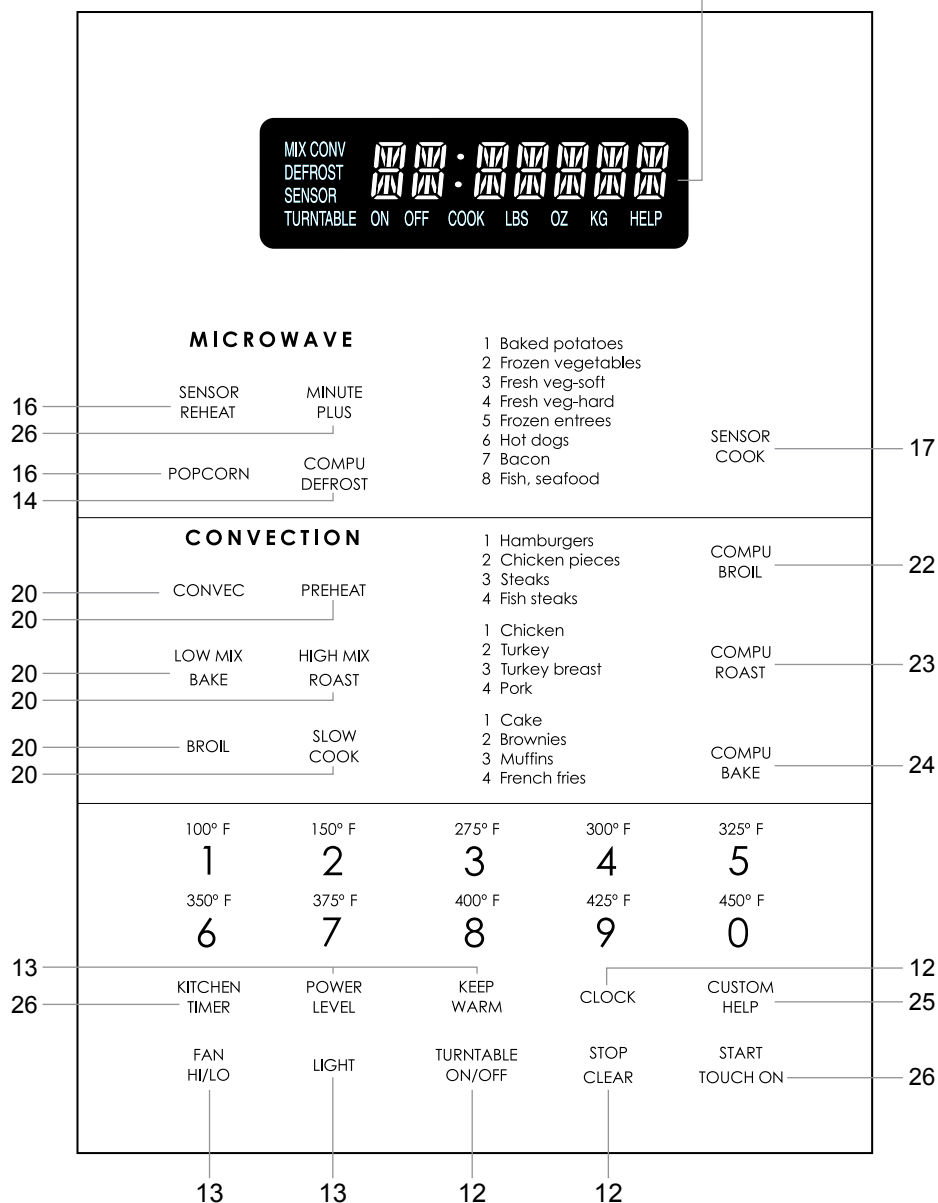
ACCESSORIES There are many microwave accessories available for purchase. Evaluate carefully before you purchase so that they meet your needs. A microwave-safe thermometer will assist you in determining correct doneness and assure you that foods have been cooked to safe temperatures. SMEG is not responsible for any damage to the oven when accessories are used.

PART NAMES



TOUCH CONTROL PANEL

Interactive Display Words will light in the display to indicate features and cooking instructions.



Number next to the control panel illustration indicates pages on which there are feature descriptions and usage information.

BEFORE OPERATING

- Before operating your new microwave oven make sure you read and understand this Instruction Manual completely.
- Before the microwave oven can be used, follow these procedures:
 1. Plug in the microwave oven. Close the door. The microwave oven display will show **WELCOME PRESS CLEAR AND PRESS CLOCK**.
 2. Touch the STOP/CLEAR pad. **:** will appear.
 3. Set clock.

TO SET THE CLOCK

1. Touch **CLOCK** pad.
 2. Enter the correct time of day by touching the numbers in sequence. Touch **CLOCK** pad again.
- This is a 12 hour clock. If you attempt to enter an incorrect clock time, **ERROR** will appear in the display. Touch the STOP/CLEAR pad and re-enter the time.
- If the electrical power supply to your microwave oven should be interrupted, the display will intermittently show **WELCOME PRESS CLEAR AND PRESS CLOCK** after the power is reinstated. If this occurs during cooking, the program will be erased. The time of day will also be erased. Simply touch STOP/CLEAR pad and reset the clock for the correct time of day.

Note: Your oven can be programmed with the door open except for **START/TOUCH ON**, **MINUTE PLUS**, **SENSOR REHEAT** and **POPCORN**.

STOP/CLEAR

Touch the STOP/CLEAR pad to:

1. Erase if you make a mistake during programming.
2. Cancel timer.
3. Stop the microwave oven temporarily during cooking.
4. Return the time of day to the display.
5. Cancel a program during cooking, touch twice.

MANUAL MICROWAVE OPERATION

TURNTABLE ON/OFF

For most cooking, the turntable should be on; however the turntable can be turned off so that it does not rotate when extra large dishes, such as the popular 13"x9"x2" glass utility casserole, are used. The casserole should be placed on the turntable so that it is level.

- Suppose you want to cook lasagna in a 13"x9"x2" casserole for 45 minutes on 40% power.
1. Touch **TURNTABLE ON/OFF** pad and note **TURNTABLE OFF** in the display.
 2. Enter cooking time by touching the number pads **4 5 0 0**.
 3. Touch **POWER LEVEL** pad and number **4** for 40% power.
 4. Touch **START/TOUCH ON** pad.

Note: The door can be opened for checking food and the turntable will stay in the off position. After checking, close door and touch **START/TOUCH ON**.

The turntable will stay off for one minute after door is opened when time-of-day appears in the display. It is possible to reprogram the oven during that minute without touching the **TURNTABLE ON/OFF PAD**. The display always indicates whether the turntable is off or on.

THE TURNTABLE SHOULD ALWAYS BE ON WHEN USING THE SPECIAL FEATURES. ON/OFF function can be used with manual cooking modes and **SENSOR REHEAT**. Turntable off condition will automatically change to on condition when you select auto cooking except **SENSOR REHEAT** and **COMPU BAKE**.

When cooking large quantities of food which cannot be stirred, it is best to use a lower power level such as 40%

MANUAL MICROWAVE OPERATION

or 50%. You may speed cooking of large amounts by programming 5 to 10 minutes on 100% power (HIGH) followed by the desired time on lower power. See page 25 for how to program multiple sequences. You may wish to reverse a large casserole once during cooking; simply open door, reposition casserole, close door and touch START/TOUCH ON.

TIME COOKING MICROWAVE

Your microwave oven can be programmed for 99 minutes 99 seconds (99.99). Always enter the seconds after the minutes, even if they are both zeros.

- Suppose you want to cook for 5 minutes at 100%
 1. Enter cooking time by touching the number pads **5 0 0**.
 2. Touch START/TOUCH ON pad.

TO SET POWER LEVEL

There are eleven preset power levels.

Using lower power levels increases the cooking time which is recommended for foods such as cheese, milk and long slow cooking of meats. Consult cookbook or recipes for specific recommendations.

Touch Power Level Pad Once Then Touch	Approximate Percentage Of Power	Common Words For Power Levels
Power Level	100%	High
9	90%	
8	80%	
7	70%	Medium High
6	60%	
5	50%	Medium
4	40%	
3	30%	Med Low/Defrost
2	20%	
1	10%	Low
0	0%	

- Suppose you want to defrost for 5 minutes at 30%.
 1. Enter defrosting time by touching the number pads **5 0 0**.
 2. Touch Power Level pad and number **3**.
 3. Touch START/TOUCH ON pad.

HOOD LIGHT/HOOD FAN

Your microwave oven is equipped with a Hood Light and a Hood Fan which can be used whether the door is open or closed.

To turn the Hood Light on, touch the LIGHT pad once. To turn the Hood Light off, touch the LIGHT pad again.

To turn the Hood Fan on, touch the FAN HI/LO pad once for high speed. To turn the Hood Fan to low speed, touch pad twice and touch the pad three times to turn the fan off. When fan is manually turned on, "H" will be shown on the display. When the fan is turned off, "H" will disappear from display.

KEEP WARM

Keep Warm can only be programmed with manual cooking or as a separate program.

- Suppose you want to cook a baked potato for 4 minutes at 100% power and you want to keep it warm after cooking for 30 minutes.
 1. Touch number pads for the desired cook time for 1 baked potato. Ex: **4 0 0** for 4 minutes.
 2. Touch KEEP WARM pad.
 3. Touch START/TOUCH ON pad.

At the end of cook time, Keep Warm is displayed warming food until end of 30 minutes.

To use Keep Warm as a separate program, touch KEEP WARM pad within 1 minute after cooking, closing the door or touching the STOP/CLEAR pad.

MICROWAVE FEATURES

COMPU DEFROST

COMPU DEFROST automatically defrosts foods ground meat, steaks, chicken pieces.

- Suppose you want to defrost a 2.0 pound steak.

1. Touch COMPU DEFROST pad once.
2. Select desired food by touching COMPU DEFROST pad until the display shows the food name. Ex: touch twice for steak.
3. Enter weight by touching the number pads **2****0**.
4. Touch START/TOUCH ON pad.
The oven will stop and directions will be displayed. Follow the indicated message.
5. After the 1st stage, open the door. Turn steak over and shield any warm portions. Close the door. Touch START/TOUCH ON pad.
6. After the 2nd stage, open the door. Shield any warm portions. Close the door. Touch START/TOUCH ON pad.
7. After defrost cycle ends, cover and let stand as indicated in chart below.

Note:

1. The weight can be entered in increments of 0.1 lb. If you attempt to enter more or less than the allowed amount **ERROR WEIGHT TOO SMALL OR TOO LARGE** will appear in the display.
2. COMPU DEFROST can be programmed with More or Less Time Adjustment. See page 26.
3. To defrost other foods or foods above or below the weights allowed on Defrost Chart, use time and 30% power. See Manual Defrost on page 15.

COMPU DEFROST CHART

TOUCH COMPU DEFROST PAD*	FOOD	FOR AMOUNT	PROCEDURE
Once	Ground Meat	0.5 - 3.0 lb	Remove any thawed pieces after each stage. Let stand, covered, 5-10 minutes.
Twice	Steaks (Chops, fish)	0.5 - 4.0 lb	After each stage of defrost cycle, rearrange and if there are warm or thawed portions, shield with small flat pieces of aluminum foil. Remove any meat or fish that is nearly defrosted. Let stand, covered, 10-20 minutes.
3 times	Chicken Pieces	0.5 - 3.0 lb	After each stage of defrost cycle, if there are warm or thawed portions, rearrange or remove. Let stand, covered, 10-20 minutes.

* Number of touches AFTER initial touch to access COMPU DEFROST.

Note: Check foods when oven signals. After final stage, small sections may still be icy. Let stand to continue thawing. Do not defrost until all ice crystals are thawed.

Shielding prevents cooking from occurring before the center of the food is defrosted. Use small smooth strips of aluminum foil to cover edges and thinner sections of the food.

MICROWAVE FEATURES

MANUAL DEFROST

If the food that you wish to defrost is not listed on the COMPU DEFROST CHART or is above or below the limits in the "Amount" column on the chart, you need to defrost manually.

You can defrost any frozen food, either raw or previously cooked, by using power level 3. Follow the exact 3-step procedure found under To Set Power Level on page 13. Estimate defrosting time and press [3] for 30% when you select the power level.

For either raw or previously cooked frozen food, the rule of thumb is approximately 5 minutes per pound. For example, defrost 5 minutes for 2-3 cups of casserole or 1 pound of frozen spaghetti sauce.

Always stop the oven periodically to remove or separate the portions that are defrosted. If food is not defrosted at the end of the estimated defrosting time, program the oven in 1 minute increments on power level 3 until totally defrosted.

When using plastic containers from the freezer, defrost only long enough to remove from the plastic in order to place food in a microwave-safe dish.

SENSOR COOKING

The Sensor is a semi-conductor device that detects the vapor (moisture and humidity) emitted from the food as it heats. The Sensor adjusts the cooking times and power level for various foods and quantities. It takes the guesswork out of microwave cooking.

USING SENSOR SETTINGS:

1. Room temperature should not exceed 95°F.
2. Be sure the exterior of the cooking container and the interior of the oven are dry. Wipe off any moisture with a dry cloth or paper towel.
3. Sensor cooking can only be entered within 1 minute after cooking, opening and closing the door or touching the STOP/CLEAR pad.
4. During the first part of sensor cooking, the food name will appear on the display. Do not open oven door or touch STOP/CLEAR during this part of the cooking cycle. The measurement of vapor will be interrupted. If this occurs, ERROR will appear and sensor cooking will be interrupted. To continue cooking, touch the STOP/CLEAR pad and select cooking time and power. When sensor detects the vapor emitted from the food, remainder of cooking time will appear. Door may be opened when remaining cooking time appears on display. At this time, you may stir or season food, as desired.

5. Check food for doneness after cooking with sensor settings. If additional time is needed, continue to cook with variable power and time.
6. If the sensor does not detect vapor, ERROR will appear and the oven will shut off.
7. At the end of any cycle, open oven door or touch STOP/CLEAR pad. The time of day will reappear on the display.
8. Any sensor setting can be programmed with More or Less Time Adjustment. See page 26.

SELECTING FOODS:

1. The sensor works with foods at normal storage temperature. For example, foods for reheating would be at refrigerator temperature and potatoes for baking would be room temperature.
2. More or less food than the quantity listed in the charts should be cooked by time and variable power.

COVERING FOODS:

Some foods work best when covered. Use the cover recommended in the Sensor Cooking chart for these foods.

1. Casserole lid.
2. Plastic wrap: Use plastic wrap recommended for microwave cooking. Cover dish loosely; allow approximately 1/2 inch to remain uncovered to allow steam to escape. Plastic wrap should not touch food.
3. Paper towel: Use paper towels to absorb excess fat and moisture when cooking bacon and potatoes. Line the turntable when baking potatoes.
4. Wax paper: Cover dish completely; fold excess wrap under dish to secure. If dish is wider than paper, overlap two pieces at least one inch to cover.

MICROWAVE FEATURES

INSTANT SENSORS

Your oven has Instant Sensor Popcorn and Instant Sensor Reheat. To use any of the Instant Sensors, simply touch the chosen pad. The oven will start automatically. Any sensor setting can be programmed with More or Less Time Adjustment. See page 26.

SENSOR REHEAT

TURNTABLE ON:

You can reheat many foods by touching just one pad. You don't need to calculate reheating time or power level. To reheat food with turntable on, simply touch the SENSOR REHEAT pad.

- Suppose you want to heat prepared chili.

Touch SENSOR REHEAT pad.

When sensor detects the vapor emitted from the food, remainder of reheating time will appear. After cooking, follow the instructions on the display.

TURNTABLE OFF:

You may reheat using a 11"x 8"x 2" or 13"x 9"x 2" casserole with the turntable off. First touch TURNTABLE ON/OFF and note indicator. Then touch SENSOR REHEAT. The display will indicate turntable off and microwave oven will start automatically. After cooking, follow the instructions on the display.

SENSOR POPCORN

- Suppose you want to pop a 3.5 oz. bag of popcorn.

Touch POPCORN pad once. SENSOR POPCORN REGULAR will be displayed repeatedly. After cooking, END will be displayed.

This sensor setting works well with most brands of microwave popcorn. You may wish to try several and choose your favorite. Pop only one bag at a time. Unfold the bag and place in oven according to directions. Do not try to pop unpopped kernels. More or Less Time Adjustment can be used to provide adjustment needed for older popcorn or individual tastes.

TOUCH POPCORN PAD	FOR AMOUNT
Once	3.0 and 3.5 oz bag (Regular size)
Twice	1.5 and 1.75 oz bag (Snack size)

SENSOR REHEAT CHART

FOOD	AMOUNT	PROCEDURE
Leftovers such as rice, potatoes, vegetables casserole	4 - 32 oz	Place in dish or casserole slightly larger than amount to be reheated. Flatten, if possible. Cover with lid, plastic wrap or wax paper. Use covers such as plastic wrap or lids with larger quantities of more dense foods such as stews.
Soup	1 - 4 cups	After reheating, stir well, if possible. Foods should be very hot. If not, continue to heat with variable power and time. After stirring, recover and allow to stand 2 to 3 minutes.
Canned entrees and vegetables	4 - 16 oz	Use less Time Adjustment by touching POWER LEVEL pad twice for small quantities of canned vegetables.
Dinner Plate 1 plate	3-6 oz of meat plus vegetables and/or potato/rice	Use this pad to reheat precooked foods from the refrigerator. Place meaty portions and bulky vegetables to outside of plate. Cut large items like baked potatoes in smaller pieces. Flatten foods such as mashed potatoes and other dense foods. Cover with wax paper or plastic wrap. ONE PLATE ONLY. After cooking, check that food is very hot throughout and that the bottom center of the plate is very hot. If not, continue heating using time and power level. Allow to stand, covered, 2 to 3 minutes.

MICROWAVE FEATURES

SENSOR COOK

- Suppose you want to cook a baked potato.
1. Touch SENSOR COOK pad.
 2. Select desired sensor setting. Ex: touch number pad **1** to cook baked potatoes.

3. Touch START/TOUCH ON pad. When sensor detects the vapor emitted from the food, the remainder of cooking time will appear.

Open microwave oven door or touch STOP/CLEAR pad. The time of day will appear in the display.

SENSOR COOK CHART

FOOD	AMOUNT	PROCEDURE
1. Baked potatoes	1 - 6 medium	Pierce. Place on paper-towel-lined turntable. After cooking, remove from microwave oven, wrap in aluminum foil and let stand 5 to 10 minutes.
2. Frozen vegetables	1 - 6 cups	Cover with lid or plastic wrap. After cooking, stir and let stand 3 minutes, covered.
3. Fresh vegetables, soft Broccoli Brussels sprouts Cabbage Cauliflower (flowerets) Cauliflower (whole) Spinach Zucchini Baked apples	0.25 - 2.0 lb 0.25 - 2.0 lb 0.25 - 2.0 lb 0.25 - 2.0 lb 1 medium 0.25 - 1.0 lb 0.25 - 2.0 lb 2 - 4 medium	Wash and place in casserole. Add no water if vegetables have just been washed. Cover with lid for tender vegetables. Use plastic wrap for tender-crisp vegetables. Stir before standing if possible. After cooking, let stand, covered, 2-5 minutes.
4. Fresh vegetables, hard Carrots, sliced Corn on cob Green beans Winter squash, diced halves	0.25 - 1.5 lb 2 - 4 pcs. 0.25 - 1.5 lb 0.25 - 1.5 lb 1 - 2	Place in casserole. Add 1-4 tbsp. water. Cover with lid for tender vegetables. Use plastic wrap cover for tender-crisp vegetables. Stir before standing, if possible. After cooking, let stand, covered, 2-5 minutes.
5. Frozen entrees	6 - 17 oz	Use for frozen convenience food. It will give satisfactory results for most brands. You may wish to try several and choose your favorite. Remove package from outer wrapping and follow package directions for covering. After cooking, let stand, covered, for 1 to 3 minutes.
6. Hot dogs	1 - 4 servings	Place hot dog in bun and wrap in paper towel or paper napkin.
7. Bacon	2 - 6 slices	Place bacon on paper plate, lined with paper towel. Bacon should not extend over the rim of plate. Cover with paper towel.
8. Fish, seafood	0.25 - 2.0 lb	Arrange in ring around shallow glass dish (roll fillet with edges underneath). Cover with vented plastic wrap. After cooking, let stand, covered, 3 minutes.

MICROWAVE FEATURES

SENSOR COOK RECIPES

CRANBERRY FLUFF		Makes 6 to 8 servings
2 cups fresh cranberries	1 carton (3 ounces) orange flavored gelatin	
1 cup water	1/2 pint whipping cream, whipped or	
3/4 cup sugar	1 carton (8 ounces) non-dairy whipped topping	
<ol style="list-style-type: none">1. Combine cranberries, water and sugar in a 2-quart casserole. Cover with wax paper. Microwave using SENSOR COOK for Fresh Vegetables-soft. Drain cranberries and reserve liquid.2. Add enough hot water to reserved liquid to make 2 cups. Stir the gelatin into hot liquid until it dissolves. Cover with wax paper. Microwave using SENSOR REHEAT .3. Add berries and cool. Refrigerate until thickened. Fold whipped cream into cooled cranberry mixture. Spoon into serving dishes and garnish with extra whipped cream. Refrigerate until ready to serve.		
CURRY VEGETABLE CHOWDER		Makes 4 servings
6 slices bacon	3/4 teaspoon salt	
1 can (10 3/4 ounces) chicken broth	1/2 teaspoon curry powder	
3 medium potatoes, finely diced (about 2 cup)	1/8 teaspoon pepper	
2 carrots, shredded (about 1 cup)	1 can (12 ounces) evaporated milk	
1 small onion, chopped (about 1/2 cup)	2 tablespoons chopped fresh parsley	
<ol style="list-style-type: none">1. Layer 2 paper towels on a microwave-safe plate. Arrange bacon on the towels. Cover with another paper towel. Microwave using SENSOR COOK for Bacon. Crumble and reserve bacon.2. Combine chicken broth, vegetables and seasonings in 4-quart casserole. Cover with vented plastic wrap. Microwave using SENSOR COOK for Baked potatoes. Vegetables should be tender.3. Stir in evaporated milk. Re-cover with vented plastic wrap. Microwave using SENSOR REHEAT Less. Stir in parsley. Let stand, covered, 5 minutes.4. Top each serving with crumbled bacon.		
GLAZED APPLE SLICES		Makes 6 to 8 servings
1/4 cup brown sugar	3/4 cup orange juice	
3 tablespoons margarine or butter	1 tablespoon cornstarch	
2 tablespoons apricot preserves	4 baking apples (about 1 1/2 pounds),	
1/2 teaspoon ground nutmeg	peeled and sliced into 8 pieces each	
1/4 teaspoon salt	3 tablespoons chopped green pistachios	
1/2 cup sugar		
<ol style="list-style-type: none">1. Combine brown sugar, margarine and apricot preserves in a small bowl. Microwave at HIGH (100%) until margarine melts and preserves soften, 45 seconds to 1 minute. Stir in nutmeg, salt, sugar, orange juice and cornstarch. Microwave at HIGH (100%) until thickened, 4 to 6 minutes, stirring several times.2. Arrange apple slices in a large microwave serving dish. Spread hot sauce over apples. Cover well with vented plastic wrap. Microwave using SENSOR COOK for Fresh vegetables-soft. Allow to cool 5 minutes before serving.3. Sprinkle with pistachios. Serve alone or over vanilla ice cream or sponge cake.		

MICROWAVE FEATURES

SENSOR COOK RECIPES

MEXICAN SEASONED POTATOES		Makes 6 to 8 servings
4 medium baking potatoes (8 ounces each)	1/2 teaspoon oregano leaves	
1/4 cup olive oil	1/4 teaspoon ground cumin	
1 tablespoon instant minced onion	1/2 teaspoon salt	
1/2 teaspoon chili powder		
<ol style="list-style-type: none"> 1. Cut each potato lengthwise into 4 equal wedges. Place potato wedges into 10-inch square casserole. Toss potatoes with oil to coat well. 2. In small bowl, combine remaining ingredients. Sprinkle over potatoes. 3. Cover potatoes with wax paper. Microwave using SENSOR COOK for Baked potatoes setting. Rearrange potatoes when time appears on display. Let stand, covered, 5 minutes. 		
SPICED CARROTS		Makes 6 to 8 servings
3 cups sliced carrots, 1/4 inch thick	2 teaspoons vinegar	
1/2 cup chopped green pepper, 1-inch cubes	1 teaspoon soy sauce	
1/4 cup finely chopped onion	1/2 teaspoon salt	
3 tablespoons water	1/2 teaspoon prepared mustard	
1 can (7 3/4 ounces) semi-condensed tomato soup	1/8 teaspoon pepper	
1/2 cup sugar		
<ol style="list-style-type: none"> 1. In a 1 1/2-quart casserole, combine carrots, green pepper, onion and water. Cover with lid. Microwave using SENSOR COOK for Fresh vegetables-hard. Carrots should be tender-crisp. Drain. 2. Stir in remaining ingredients. Cover and microwave using SENSOR REHEAT. 		
SAVORY FLOUNDER FILLETS		Makes 4 servings
3/4 cup of corn flake crumbs	1/2 teaspoon paprika	
3 tablespoons chopped parsley	1 pound flounder fillets	
2 teaspoons grated lemon peel	1 egg, slightly beaten	
<ol style="list-style-type: none"> 1. On waxed paper, combine corn flake crumbs, parsley, lemon peel and paprika. Dip fillets in beaten egg, then coat with crumb mixture. 2. Place fish in a covered, microwave-safe, baking dish. Microwave using SENSOR COOK for Fish, seafood. 3. Serve with tartar or cocktail sauce or melted cheese. 		
CREOLE CORN		Makes 6 servings
2 teaspoons oil	1 teaspoon brown sugar	
1/2 cup chopped celery	1/2 teaspoon onion powder	
1/2 cup chopped green pepper	1/4 teaspoon garlic powder	
16 ounce can tomatoes	salt and pepper to taste	
4 ounce can mushroom stem and pieces, drained	1 package (16 ounces) frozen corn	
<ol style="list-style-type: none"> 1. In 2-quart casserole, combine oil, celery, green pepper, tomatoes, mushrooms, sugar, onion powder, garlic powder, salt and pepper. 2. Microwave using SENSOR REHEAT. Set aside. 3. In covered, 1-quart casserole, microwave corn using SENSOR COOK for Frozen vegetables. Drain. 4. Combine corn and vegetable-seasoning mixture. Stir and serve immediately 		

MANUAL CONVECTION AND AUTOMATIC MIX OPERATION


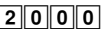
This section of the Instruction Manual gives you specific cooking instructions and procedures. Please consult your Convection Microwave Cookbook for helpful hints for convection and combination cooking.

The oven should not be used without the turntable in place, and it should never be restricted so that it cannot rotate. You may remove the turntable when preheating the oven and when preparing food to be cooked directly on the turntable.

CONVECTION COOKING



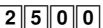
During convection heating, hot air is circulated throughout the oven cavity to brown and crisp foods quickly and evenly. This oven can be programmed for ten different convection cooking temperatures for up to 99 minutes, 99 seconds.

COOK WITH CONVECTION

- Suppose you want to cook at 350°F for 20 minutes.
1. Touch CONVEC pad.
 2. Select temperature by touching number pad .
 3. Enter cooking time by touching number pads .
 4. Touch START/TOUCH ON pad.

PREHEAT AND COOK WITH CONVECTION

Your microwave oven can be programmed to combine preheating and convection cooking operations. You can preheat to the same temperature as the convection temperature or change to a higher or lower temperature.

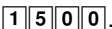
- Suppose you want to preheat to 350°F, and then cook 25 minutes at 375°F convection:
1. Touch PREHEAT pad.
 2. Select temperature by touching number pad .
 3. Touch CONVEC pad.
 4. Select temperature by touching number pad .
 5. Enter cooking time by touching number pads .
 6. Touch START/TOUCH ON pad.

When the microwave oven reaches the programmed temperature, it will automatically hold at the preheat temperature for 30 minutes and then the display will change to time of day. Whenever STOP/CLEAR pad is touched during this 30 minute period, PRESS CONVEC or PRESS MIX will be displayed and cooking mode and time can be entered.

Note: To preheat and cook with the same temperature, enter same temperature in steps 2 and 4.

BROIL

Preheating is automatic when the Broil setting is used. Only actual cooking time is entered; the oven signals when it is preheated to 450°F. Oven temperature cannot be changed. .

- Suppose you want to broil a ham steak for 15 minutes.
1. Touch BROIL pad.
 2. Enter cooking time by touching the number pads .
 3. Touch START/TOUCH ON pad. No food in oven.

When the microwave oven reaches the programmed temperature, a signal will sound*.

4. Open the door. Place food in oven. Close the door. Touch START/TOUCH ON pad.

* If the microwave oven door is not opened, the microwave oven will automatically hold at the preheat temperature for 30 minutes. After this time has elapsed, an audible signal will sound and the microwave oven will turn off.

Note:

1. Preheating for broil may take from 7 to 10 minutes depending on temperature of room and available power.
2. Although time is usually set for the maximum broiling time, always check food at the minimum time recommended in the chart of cookbook. This will eliminate the need to completely reprogram the microwave oven if additional cooking time is needed. Simply close the microwave oven door and touch START/TOUCH ON to continue.

SLOW COOK

Slow Cook is a preset at 300°F. Slow Cook is programmed for 4 hours. Oven temperature can be changed to temperature below 300°F. Simply touch the SLOW COOK pad and touch the desired numbered pad with temperature below 300°F.

1. Touch SLOW COOK pad.
2. Touch START/TOUCH ON pad. The oven begins counting and continues to 4 hours.

MANUAL CONVECTION AND AUTOMATIC MIX OPERATION

AUTOMATIC MIX COOKING

This microwave oven has two pre-programmed settings that make it easy to cook with both convection heat and microwave automatically.

	OVEN TEMPERATURE	MICROWAVE POWER
HIGH MIX	325°F	30%
LOW MIX	325°F	10%

With the exception of those foods that cook best by convection heating alone, most foods are well suited to mix cooking using either LOW MIX/BAKE or HIGH MIX/ROAST.

The marriage of these two cooking methods produces juicy meats, moist and tender cakes and fine textured breads, all with just the right amount of browning and crispness.

The temperature can be changed; however, the microwave power cannot.

The oven temperature can be changed from 100°F to 450°F. To change the temperature, first touch HIGH MIX or LOW MIX, then touch the same pad again. When the display says **SELECT TEMP**, touch desired temperature pad. Ex: HIGH MIX, HIGH MIX, pad **7** and **START/TOUCH ON**. The mix temperature will change automatically.

COOK WITH AUTOMATIC MIX

- Suppose you want to bake a cake for 25 minutes on Low Mix/Bake.
- Touch LOW MIX/BAKE pad.
 - Enter cooking time by touching number pads **2****5****0****0**.
 - Touch **START/TOUCH ON** pad.

PREHEAT AND COOK WITH AUTOMATIC MIX

Your microwave oven can be programmed to combine preheating and automatic mix cooking operations. You can preheat at the same temperature as the preset combination temperature or change it to a different temperature.

- Suppose you want to preheat to 350°F and then cook 25 minutes on 325°F Low Mix/Bake.
- Touch **PREHEAT** pad.
 - Touch temperature pad **350°F**
6.
 - Touch LOW MIX/BAKE pad.
 - Enter cooking time by touching number pads **2****5****0****0**.
 - Touch **START/TOUCH ON** pad.

At the end of the baking time, 1 long tone will sound and **END** will be displayed.

CONVECTION AUTOMATIC MIX FEATURES

This section of the instruction manual offers instructions for preparing 12 popular foods using COMPU BROIL, COMPU ROAST and COMPU BAKE.

After selecting the desired feature, follow the directions indicated in the display.

For helpful hints, simply touch CUSTOM HELP anytime HELP is lighted in the display.

COMPU BROIL

COMPU BROIL automatically broils hamburgers, chicken pieces, steaks and fish steaks.

- Suppose you want to broil 2 hamburgers.

1. Touch COMPU BROIL pad.
2. Select desired setting. Ex: for hamburgers, touch number pad **1**.
3. Touch number pad **2** for quantity and follow information in display for cooking information.

For well done or rare burgers, touch POWER LEVEL pad to select More for well done or Less for rare. See More or Less Time Adjustment on page 26.

4. Touch START/TOUCH ON pad.

After broil preheat cycle ends, 4 long tones will sound. PREHEAT OVER PLACE FOOD IN OVEN will be displayed repeatedly. Open the door and place hamburgers into microwave oven. Close the door.

5. Touch START/TOUCH ON pad.

After broil cycle ends, 1 long tone will sound and END will be displayed.

Note:

1. COMPU BROIL can be programmed with More or Less Time Adjustment. See page 26.
2. If you attempt to enter more or less than the allowed amount as indicated in chart below, an error message will appear in the display.
3. To broil other foods or foods above or below the weight or number allowed on the chart below, follow instructions in the SMEG Convection Microwave Cookbook. See Broiling Chart.

COMPU BROIL CHART

SETTING/FOOD	AMOUNT	PROCEDURE
1. Hamburgers	1 - 8 pcs 0.25 lb each	Use this setting to broil hamburger patties. Place on low rack.
2. Chicken pieces	0.5 - 3.0 lb	Arrange pieces on low rack. After cooking, let stand, 3-5 minutes. Dark meat should be 180°F, and white meat should be 170°F.
3. Steaks	0.5 - 2.0 lb	Use this setting to broil steaks from 3/4" to 1" thick. Individual boneless steaks broil evenly. Place steak on low rack. For well done, touch Power Level once; for rare, touch Power Level twice.
4. Fish steaks	0.5 - 2.0 lb	Use this setting to broil fish steak which is 3/4" to 1" thick. Place on low rack.

CONVECTION AUTOMATIC MIX FEATURES

COMPU ROAST

COMPU ROAST automatically roasts chicken, turkey, turkey breast or pork.

- Suppose you want to roast a 2.5 pound chicken.

1. Touch COMPU ROAST pad.
2. Select desired setting. Ex: for chicken, touch number pad **1**.
3. Touch number pad to enter weight. Ex: **2****5** lb.
4. Touch START/TOUCH ON pad.

After COMPU ROAST cycle ends, a long tone will sound. Follow the indicated message.

Note:

1. CONPU ROAST can be programmed with More or Less Time Adjustment. See page 26.
2. If you attempt to enter more or less than the allowed weight as indicated in chart below, an error message will appear in the display.
3. To roast other food or foods above or below the weights allowed on the Chart below, check the SMEG Convection Microwave Cookbook's Combination Roasting Chart.

COMPU ROAST CHART

SETTING/FOOD	AMOUNT	RACK	PROCEDURE
1. Chicken	2.5 - 7.0 lb	Low	After the cycle ends, cover with foil and let stand for 5-10 minutes. Internal temperature of white meat should be 170°F and of dark meat, 180°F.
2. Turkey (Unstuffed)	6.5 - 9.0 lb	Low	Season, as desired. Place on low rack. After the cycle ends, cover with foil and let stand 10 minutes. Internal temperature of white meat should be 170°F and of dark meat, 180°F.
3. Turkey breast	3.0 - 6.0 lb	Low	Season, as desired. Place on low rack. After the cycle ends, cover foil and let stand 10 minutes. Internal temperature of white meat should be 170°F.
4. Pork	2.0 - 3.5 lb	Low	Boneless pork loin is recommended because it cooks evenly. Place on low rack. After cooking, remove from oven, cover with foil and allow to stand 5-10 minutes. Internal temperature should be 160°F.

CONVECTION AUTOMATIC MIX FEATURES

COMPU BAKE

COMPU BAKE automatically bakes cakes, brownies, muffins and French fries.

- Suppose you want to bake a 13" x 9" x 2" cake.

1. Touch COMPU BAKE pad.

Note: Turntable function is automatically turned OFF.

2. Select desired setting. Ex: for cake, touch number pad **1**.

3. Touch START/TOUCH ON pad.

After CONPU BAKE preheat cycle ends, 4 long tones will sound. PREHEAT OVER PLACE FOOD IN OVEN will be displayed repeatedly. Open the door and place pan into microwave oven. Close the door.

4. Touch START/TOUCH ON pad.

After CONPU BAKE cycle ends, 1 long tone will sound and END will be displayed.

Note:

1. CONPU BAKE can be programmed with More or Less Time Adjustment. See page 26.
2. To bake other foods, see the SMEG Convection Microwave Cookbook's Baking Section.

COMPU BAKE CHART

SETTING/FOOD	AMOUNT	RACK	PROCEDURE
1. Cake	13"x9"x2"	Low	Ideal for packaged cake mix or your own recipe. Prepare according to package or recipe directions and place in a greased and floured 13"x9"x2" pan. After the preheat is over, place pan in microwave oven centered on low rack. Cool before frosting and serving.
2. Brownies	13"x9"x2"	Low	Ideal for packaged brownie mix or your own recipe for 13"x9"x2" pan. Prepare according to package or recipe directions and place in a greased and floured 13"x9"x2" baking pan. After the preheat is over, place pan in microwave oven centered on low rack. Cool before cutting into serving pieces.
3. Muffins	12 cup muffin pans	Low	Ideal for packaged muffin mix or your own recipe for 12 medium size muffins. Prepare according to package or recipe directions and place in one 12-cup muffin pan. After the preheat is over, place pan in microwave oven centered on low rack.
4. French fries	3 to 24 oz Cookie sheet to hold	Low	Use frozen prepared French fries. No preheat is required for the French fries baking procedure. Place French fries on cookie sheet on low rack. For shoestring potatoes, touch POWER LEVEL pad twice to enter less time before touching START/TOUCH ON pad.

OTHER CONVENIENT FEATURES

CUSTOM HELP

CUSTOM HELP provides 5 features which make using your microwave oven easy because specific instructions are provided in the interactive display.

1. CHILD LOCK

The Child Lock prevents unwanted oven operation such as by small children. **Note:** Child Lock is not applicable to Hood Fan and Hood Light buttons. The oven can be set so that the control panel is deactivated or locked. To set, touch CUSTOM HELP, the number **[1]** and START/TOUCH ON pad. Should a pad be touched, LOCK will appear in the display.

To cancel, touch CUSTOM HELP, the number **[1]** and STOP/CLEAR.

2. AUDIBLE SIGNAL ELIMINATION

If you wish to have the microwave oven operate with no audible signals, touch CUSTOM HELP, the number **[2]** and STOP/CLEAR pads.

To cancel and restore the audible signal, touch CUSTOM HELP, the number **[2]** and START/TOUCH ON pads.

3. AUTO START

If you wish to program your microwave oven to begin cooking automatically at a designated time of day, follow this procedure:

- Suppose you want to start cooking a stew on 50% for 20 minutes at 4:30. Before setting, check to make sure the clock is showing the correct time of day.
1. Touch CUSTOM HELP pad.
 2. Touch number **[3]** to select the Auto Start.
 3. To enter the start time at 4:30, touch numbers **[4][3][0]**.
 4. Touch CLOCK pad.
 5. To enter cooking program, touch POWER LEVEL, number **[5]** for 50% power and then touch numbers **[2][0][0][0]** for cooking time.
 6. Touch START/TOUCH ON pad.

Note:

1. Auto Start can be used for manual cooking, COMPU BROIL/ COMPU ROAST/ COMPU BAKE, if clock is set.
2. If the oven door is opened after programming Auto Start, it is necessary to touch the START/TOUCH ON pad for the time of day to appear in the readout so that the oven will automatically begin programmed cooking at the chosen Auto Start time.
3. Be sure to choose foods that can be left in the microwave oven safely until the Auto Start time. Baked potatoes are often a good choice.

4. LANGUAGE SELECTION

The microwave oven comes set for English. To change, touch CUSTOM HELP and the number **[4]** pads. Continue to touch the number **[4]** pad until your choice is selected. Then, touch START/TOUCH ON pad.

Touch number **[4]** once for English.

Touch number **[4]** twice for Spanish.

Touch number **[4]** three times for French.

5. WEIGHT AND TEMPERATURE SELECTIONS

The microwave oven comes set for U.S. Customary Unit-pounds. To change, touch CUSTOM HELP and the number **[5]**. Continue to touch the number **[5]** until your choice is selected. Then, touch START/TOUCH ON pad.

Touch number **[5]** once for LB/°F.

Touch number **[5]** twice for KG/°C.

MULTIPLE SEQUENCE COOKING

The oven can be programmed for up to 4 automatic cooking sequences for the microwave mode and 3 automatic cooking sequences for convection mode, switching from one setting to another automatically.

Sometimes cooking directions tell you to start on one power level and then change to a different power level. Your microwave oven can do this automatically.

- Suppose you want to cook roast beef for 5 minutes at 90% and then continue to cook for 30 minutes at 50%.
1. Touch POWER LEVEL pad once and touch number pad **[9]** for 90% power.
 2. Enter first cooking time by touching number pad **[5][0][0]**.
 3. Touch POWER LEVEL pad again and touch number pad **[5]** for 50% power.
 4. Then enter second cooking time by touching number pad **[3][0][0][0]**.
 5. Touch START/TOUCH ON pad.

Note:

1. If POWER LEVEL pad is touched twice, HIGH will be displayed.
2. If 100% is selected as the final sequence, it is not necessary to touch the POWER LEVEL pad.
3. If you wish to know power level, simply touch the POWER LEVEL pad. As long as your finger is touching the POWER LEVEL pad, the power level will be displayed.

OTHER CONVENIENT FEATURES

MORE OR LESS TIME ADJUSTMENT

MORE: Should you discover that you like any of the COMPU DEFROST, COMPU ROAST, COMPU BAKE, COMPU BROIL, SENSOR COOK or INSTANT SENSOR settings slightly more done, touch the POWER LEVEL pad once after touching your choice of pads.

LESS: Should you discover that you like any of the COMPU DEFROST, COMPU ROAST, COMPU BAKE, COMPU BROIL, SENSOR COOK or INSTANT SENSOR settings slightly less done, touch the POWER LEVEL pad twice after touching your choice of pads.

KITCHEN TIMER

- Suppose you want to time a 3 minute long distance phone call.
1. Touch KITCHEN TIMER pad.
 2. Enter time by touching the number pads **3 0 0**.
 3. Touch START/TOUCH ON pad.

MINUTE PLUS

MINUTE PLUS allows you to cook for a minute at 100% by simply touching the MINUTE PLUS pad. You can also extend cooking time in multiples of 1 minute by repeatedly touching the MINUTE PLUS pad during manual cooking using microwave, convection, mix or broil.

- Suppose you want to heat a cup of soup for one minute.

Touch MINUTE PLUS pad.

Note:

1. Touch MINUTE PLUS pad within 1 minute after cooking, closing the door, touching the STOP/CLEAR pad or during cooking. MINUTE PLUS cannot be used to start the oven if any program is on display.
2. MINUTE PLUS cannot be used with Special Features.

DEMONSTRATION MODE

To demonstrate, touch CLOCK, the number **0** and then touch START/TOUCH ON pad and hold for 3 seconds. **DEMO ON DURING DEMO NO OVEN POWER** and **DEMO** will appear in the display. Cooking operations and specific special features can now be demonstrated with no power in the microwave oven. For example, touch MINUTE PLUS pad and the display will show **1.00** and count down quickly to **END**.

To cancel, touch CLOCK, then the number **0** and STOP/CLEAR pads.

TOUCH ON

TOUCH ON allows you to cook at 100% power by touching the START/TOUCH ON pad continuously. TOUCH ON is ideal for melting cheese, bringing milk to just below boiling etc. The maximum cooking time is 3 minutes.

- Suppose you want to melt cheese on a piece of toast:
1. Continuously touch the START/TOUCH ON pad. The cooking time will begin counting up.
 2. When the cheese is melted to desired degree, remove finger from START/TOUCH ON pad. Microwave oven stops immediately.

Note:

1. Note time it takes for frequently used foods and program that time in the future.
2. To use TOUCH ON, touch pad within 1 minute after cooking, opening and closing the door or touching the STOP/CLEAR pad.
3. TOUCH ON can only be used 3 times in a row. If more times are needed, open and close door or touch STOP/CLEAR.

HELP (DISPLAY INDICATOR)

Each setting of COMPU DEFROST, COMPU BROIL, COMPU ROAST, COMPU BAKE and SENSOR COOK has a cooking hint. If you wish to check, touch CUSTOM HELP whenever HELP is lighted in the Interactive Display.

STANDBY MODE

This microwave will go into standby mode after a period of inactivity. The backlight of the display will automatically dim after 3 minutes if the unit has not been in operation. If the display is in standby mode, simply touch the control panel or open/close the door to return the backlight to maximum brightness.

CLEANING AND CARE

Disconnect the power cord before cleaning or leave the door open to inactivate the microwave oven during cleaning.

EXTERIOR

The outside surface is painted. Clean the outside with mild soap and water; rinse and dry with a soft cloth. Do not use any type of household or abrasive cleaner.

DOOR

Wipe the window on both sides with a damp cloth to remove any spills or spatters. Metal parts will be easier to maintain if wiped frequently with a damp cloth. Avoid the use of spray and other harsh cleaners as they may stain, streak or dull the door surface.

TOUCH CONTROL PANEL

Care should be taken in cleaning the touch control panel. If the control panel becomes soiled, open the microwave oven door before cleaning. Wipe the panel with a cloth dampened slightly with water only. Dry with a soft cloth. Do not scrub or use any sort of chemical cleaners. Close door and touch STOP/CLEAR pad.

INTERIOR - AFTER MICROWAVE COOKING

The oven walls, ceiling and floor are stainless steel. Cleaning after microwave cooking is easy because no heat is generated to the interior surfaces; therefore, there is no baking and setting of spills or spattering. To clean the interior surfaces, wipe with a soft cloth and warm water. **DO NOT USE ABRASIVE OR HARSH CLEANERS OR SCOURING PADS.** For heavier soil, use mild soap; rinse thoroughly with hot water.

INTERIOR - AFTER CONVECTION, MIX OR BROIL COOKING

Spatters may occur because of moisture and grease. Wash immediately after use with hot, soapy water. Rinse and polish dry. Harder to remove spatters may occur if microwave oven is not thoroughly cleaned or if there is long time/high temperature cooking. If so, you may wish to purchase an oven cleaner pad with liquid cleaner within it—not a soap filled steel pad—for use on stainless or porcelain surfaces. Follow manufacturer's directions carefully and be especially cautious not to get any of the liquid cleaner in the perforations on the wall or ceiling or any door surfaces. Rinse thoroughly and polish dry.

WAVEGUIDE COVER

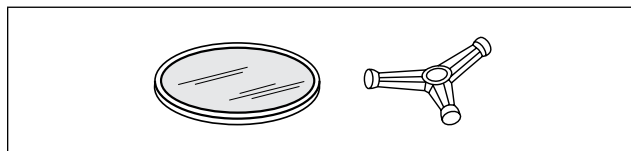
The waveguide cover is located on the ceiling in the oven cavity. It is made from mica so requires special care. Keep the waveguide cover clean to assure good oven performance. Carefully wipe with a damp cloth any food spatters from the surface of the cover immediately after they occur. Built-up splashes may overheat and cause smoke or possibly catch fire. Do not remove the waveguide cover.

ODOR REMOVAL

Occasionally, a cooking odor may remain in the microwave oven. To remove, combine 1 cup water, grated peel and juice of 1 lemon and several whole cloves in a 2-cup glass measuring cup. Boil for several minutes using 100% power. Allow to set in microwave oven until cool. Wipe interior with a soft cloth.

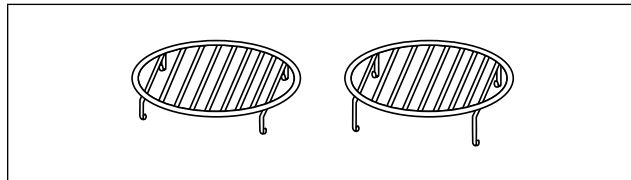
TURNTABLE/TURNTABLE SUPPORT

The ceramic turntable and turntable support can be removed for easy cleaning. Wash them in mild, sudsy water; for stubborn stains use a mild cleanser and scouring sponge as described above. They are also dishwasher-safe using top rack.



MICROWAVE OVEN RACKS

The high and low baking racks can be removed for easy cleaning and stored away from the microwave oven when racks are not needed. After each use, wash them in mild, sudsy water. For any stubborn stains, use a mild kitchen cleanser and scouring sponge as described above. They are dishwasher-proof.

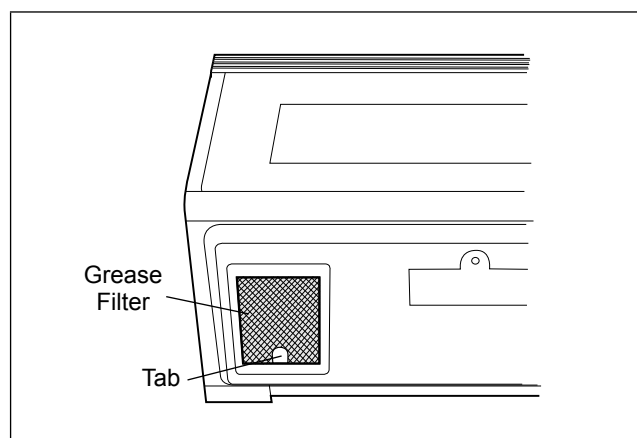


CLEANING AND CARE

GREASE FILTERS

Filters should be cleaned at least once a month. Never operate the fan or microwave oven without the filters in place.

1. Pull the tab toward the front of the oven, down slightly and remove the filter. Repeat for the other filter.
2. Soak the filters in a sink or dish pan filled with hot water and detergent. DO NOT use ammonia or other alkali; they will react with the filter material and darken it.
3. Agitate and scrub with a brush to remove embedded dirt.
4. Rinse thoroughly and shake dry.
5. Replace by fitting the filter back into the opening.



FAN

The fan will automatically start when heat rises from the cooking surface and when convection, high mix, low mix or the broil settings are used. This protects the microwave oven from excessive temperature rise. The fan will stay on until the temperature decreases. It cannot be turned off manually during this time.

For other uses, select either high or low speed.

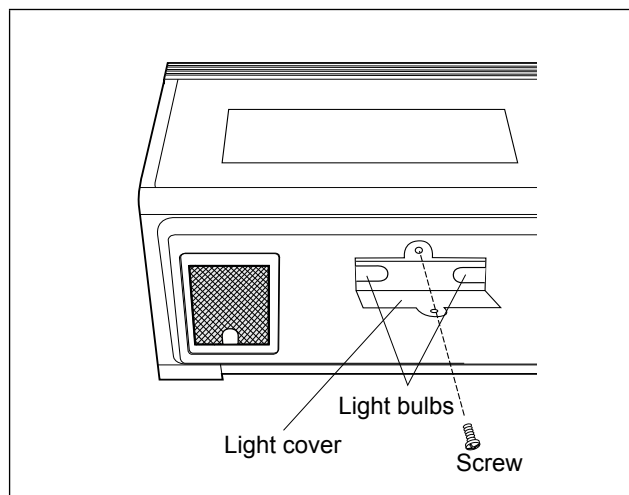
PRECAUTIONS FOR PROPER USE:

1. DO NOT leave cooking surface unattended while using high temperatures. Automatic fan may start and provide excessive air to the surface units. This may cause spattering or boilover.
2. Avoid burning food.
3. Keep grease filters clean.

LIGHT

1. To replace light bulbs, first disconnect power to the microwave oven at the circuit breaker panel or by unplugging.
2. To release cover remove the screw on the light cover. (See illustration.)
3. Replace bulbs only with equivalent watt bulbs available from an Authorized Servicer or parts distributor. Bulbs are also available at most hardware stores or lighting centers. DO NOT USE A BULB LARGER THAN 30 WATTS.
4. Close light cover and secure with screw removed in step 2.

CAUTIONS: Light cover may become very hot. Do not touch glass when light is on. Do not use light for long time use such as a night light.



CHARCOAL FILTER

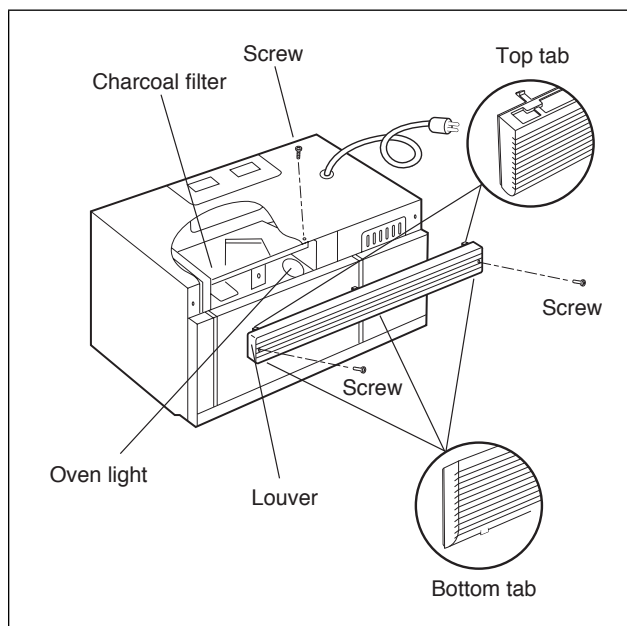
Charcoal Filter is used for Non-vented, recirculated installation. The filter should be changed every 6 to 12 months depending on use.

1. Disconnect power to the oven at the circuit breaker panel or by unplugging.
2. Remove 3 screws that secure louver.
3. Remove louver by gently moving louver and pull away from unit.
4. Pull the louver away from the oven.
5. Slide Charcoal Filter into position on support tabs.
6. Push louver back into place and gently snap tabs into place by hand (engaging both the bottom and top tabs) and replace the 3 screws to secure louver.

CLEANING AND CARE

MICROWAVE OVEN LIGHT

1. Disconnect power to the oven at the circuit breaker panel or by unplugging.
2. Remove 3 screws that secure louver.
3. Remove louver by gently moving louver and pull away from unit.
4. Pull the louver away from the oven and remove charcoal filter, if used.
5. Slide the light cover forward and lift up.
6. Remove old light bulb and replace only with an equivalent watt bulb available from an Authorized Servicer or parts distributor. Bulbs are also available at most hardware stores or lighting centers. **DO NOT USE A BULB LARGER THAN 30 WATTS.**
7. Replace the oven light cover and charcoal filter, if used; push louver back in place (engaging both the bottom and top tabs) and replace the louver mounting screws.



SERVICE CALL CHECK

Please check the following before calling for service:

1. Place one cup of water in a glass measuring cup in the microwave oven and close the door securely. Operate the microwave oven for one minute at HIGH 100%.

- | | |
|---|----------------|
| A. Does the microwave oven light come on? | YES ___ NO ___ |
| B. Does the cooling fan work? (Put your hand over the top ventilation openings.) | YES ___ NO ___ |
| C. Does the turntable rotate when the TURNTABLE ON/OFF pad is touched and TURNTABLE ON is in the display? (It is normal for the turntable to turn in either direction when TURNTABLE ON is in the display.) | YES ___ NO ___ |
| D. Is the water in the oven warm? | YES ___ NO ___ |
| E. Does "H" appear on the display when fan is manually turned on? | YES ___ NO ___ |

2. Remove the water from the oven and program: CONVEC, 450°F, **500**, START/TOUCH ON

- | | |
|---|----------------|
| A. Do CONV and COOK light? | YES ___ NO ___ |
| B. After the oven shuts off, is the inside of the oven hot? | YES ___ NO ___ |

If "NO" is the answer to any of the above questions, please check electrical outlet, fuse and/or circuit breaker.

If either or both are not functioning properly, **CONTACT YOUR NEAREST AUTHORIZED SERVICER.**

A microwave oven should never be serviced by a "do-it-yourself" repair person.

Note: If time appearing in the display is counting down very rapidly, check Demonstration Mode on page 26 and cancel.

SPECIFICATIONS

AC Line Voltage:	UL Rating - Single phase 120V, 60Hz, AC only CSA Rating - Single phase 116V, 60Hz, AC only
AC Power Required:	UL Rating - 1600 W 13.2 amps. CSA Rating - 1500 W 13.0 amps.
Output Power Microwave: Convection Heater:	850 watts* 1400 watts
Frequency:	2450 MHz
Outside Dimensions:	29-15/16"(W) x 16-11/32"(H) x 15-9/32"(D)
Cavity Dimensions:	17-1/8"(W) x 8-1/16"(H) x 13-13/16"(D)
Microwave oven Capacity:**	1.1 Cu. Ft.
Cooking Uniformity:	Turntable, diameter 13" & Stirrer Fan
Weight:	Approx. 71 lb

* The International Electrotechnical Commission's standardized method for measuring output wattage. This test method is widely recognized.

** Internal capacity is calculated by measuring maximum width, depth and height. Actual capacity for holding food is less.

In compliance with standards set by:

FCC – Federal Communications Commission Authorized.

DHHS – Complies with Department of Health and Human Services (DHHS) rule, CFR, Title 21, Chapter I, Subchapter J.



– This symbol on the nameplate means the product is listed by Underwriters Laboratories, Inc.