

Use & Care Guide  
Manual de Uso y Cuidado  
Manuel d'utilisation et d'entretien  
English / Español / Français

Models/Modelos/Modèles: 790.4960\* & 790.4961\*

# Kenmore<sup>®</sup>

## Microwave/Wall Oven Combination

### Combinación Microondas/Horno de Pared

### Four encastré électrique/micro-ondes

\* = Color number, número de color, numéro de couleur

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## Please carefully read and save these instructions

This Use & Care Manual contains general operating instructions for your appliance and feature information for several models. Your product **may not** have all the described features. The graphics shown are representative. The graphics on your appliance may not look exactly like those shown. Common sense and caution must be practiced when installing, operating and maintaining any appliance.

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## Kenmore Warranty

When installed, operated and maintained according to all instructions supplied with the product, if this appliance fails due to a defect in material and workmanship within one year from the date of purchase, call 1-800-4-MY-HOME® to arrange for free repair.

This warranty applies for only 90 days from the date of purchase if this appliance is ever used for other than private family purposes.

### This warranty covers only defects in material and workmanship. Sears will NOT pay for:

1. Cracks in a ceramic glass cooktop that are not a result of thermal shock.
2. Stains and scratches on a ceramic glass cooktop resulting from accident or improper operation or maintenance.
3. Expendable items that can wear out from normal use, including but not limited to filters, belts, light bulbs, and bags.
4. A service technician to instruct the user in correct product installation, operation or maintenance.
5. A service technician to clean or maintain this product.
6. Damage to or failure of this product if it is not installed, operated or maintained according to the all instructions supplied with the product.
7. Damage to or failure of this product resulting from accident, abuse, misuse or use for other than its intended purpose.
8. Damage to or failure of this product caused by the use of detergents, cleaners, chemicals or utensils other than those recommended in all instructions supplied with the product.
9. Damage to or failure of parts or systems resulting from unauthorized modifications made to this product.

### Disclaimer of implied warranties; limitation of remedies

Customer's sole and exclusive remedy under this limited warranty shall be product repair as provided herein. Implied warranties, including warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law. Sears shall not be liable for incidental or consequential damages. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitation on the duration of implied warranties of merchantability or fitness, so these exclusions or limitations may not apply to you.

This warranty applies only while this appliance is used in the United States or Canada.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Sears Brands Management Corporation, Hoffman Estates, IL 60179 - Sears Canada Inc., Toronto, Ontario, Canada M5B 2B8**

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## Product Record

In this space below, record the date of purchase, model and serial number of your product. You will find the model and serial number printed on the serial plate.

Model No. **790**. \_\_\_\_\_

Serial No. \_\_\_\_\_

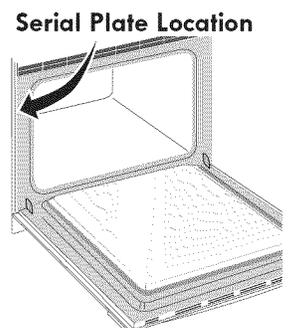
Date of purchase \_\_\_\_\_

Save these instructions and your sales receipt for future reference.

## Serial Plate Location

You will find the model and serial number printed on the serial plate. The serial plate is located along the interior side trim and visible when the lower oven door is opened.

Remember to record the serial number for future reference.



# IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this appliance.

This manual contains important safety symbols and instructions. Please pay attention to these symbols and follow all instructions given.

**⚠ WARNING** This symbol will help alert you to situations that may cause serious bodily harm, death or property damage.

**⚠ CAUTION** This symbol will help alert you to situations that may cause bodily injury or property damage.



## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

For your safety the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or loss of life.

- **Do Not Attempt** to operate this microwave 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.
- **Do Not Place** any object between the microwave oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- **Do Not Operate** the microwave oven if it is damaged. It is particularly important that the microwave 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.
- **The Oven Should Not** be adjusted or repaired by anyone except properly qualified service personnel.

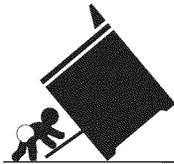
- **Remove all tape and packaging before using the appliance.** Destroy the carton and plastic bags after unpacking the appliance. Never allow children to play with packaging material.
- **Proper Installation.** Be sure your appliance is properly installed and grounded by a qualified technician in accordance with the National Fuel Gas Code ANSI Z223-latest edition, or in Canada CAN/CGA B149.1 and CAN/GGA B149.2, and the National Electrical Code ANSI/NFPA No.70-latest edition, or in Canada CSA Standard C22.1, Canadian Electrical Code, Part 1, and local code requirements. Install only per installation instructions provided in the literature package for this appliance.

Sears Parts & Repair is the recommended repair service for this appliance. Know how to disconnect the electrical power to the appliance at the circuit breaker or fuse box in case of an emergency.

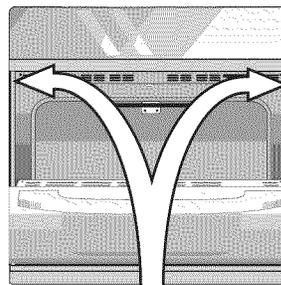
- **User Servicing.** Do not repair or replace any part of the appliance unless specifically recommended in the manuals. All other servicing should be done only by a qualified technician to reduce the risk of personal injury and damage to the appliance.
- **Never modify or alter the construction of an appliance by removing panels, wire covers**

or any other part of the product.

### ⚠ WARNING Tip Over Hazard



- A child or adult can tip the oven and be killed.
- Install the anti-tip device to oven and/or structure per installation instructions.
- Ensure the anti-tip device is re-engaged when the oven is moved.
- Do not operate the oven without the anti-tip device in place and engaged.
- Failure to follow these instructions can result in death or serious burns to children and adults.



Anti-tip mounting holes

Refer to the installation instructions supplied with your appliance for proper installation. Check for proper installation with a visual check that the anti-tip screws are present. Test the installation with a light downward pressure on the open oven door. The oven should not tip forward.

## IMPORTANT SAFETY INSTRUCTIONS

- Remove the oven door from any unused appliance if it is to be stored or discarded.

**⚠ WARNING** Stepping, leaning or sitting on the doors of this appliance can result in serious injuries and also cause damage to the unit. Do not allow children to climb or play around the unit. The weight of a child on an open door may cause the appliance to tip, resulting in serious burns or other injury.

- **Protective liners**—Do not use aluminum foil to line the oven bottom. Only use aluminum foil as recommended in this manual. Improper installation of these liners may result in risk of electric shock, or fire.

- **Storage in Appliance. Flammable materials should not be stored near surface units.**

This includes paper, plastic and cloth items, such as cookbooks, plasticware and towels, as well as flammable liquids. Do not store explosives, such as aerosol cans, on or near the appliance.

**⚠ WARNING** Do not use the oven or the microwave oven for storage.

**⚠ CAUTION** Do not store items of interest to children in the cabinets above an appliance. Children climbing on the appliance to reach items could be seriously injured.

- **Do not leave children alone. Children should not be left alone or unattended in the area where an appliance is in use.** They should never be allowed to sit or stand on any part of the appliance.
- **DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVENS OR ANY AREAS NEAR THESE ZONE.** all oven heating elements may be hot even though they are dark in color. Areas near surface zones may become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials touch these areas until they have had sufficient time to cool. Among these surfaces near these openings, oven doors and windows).
- **Wear Proper Apparel. Loose-fitting or hanging garments should never be worn while using the appliance.** Do not let clothing or other flammable materials contact hot surfaces.

**⚠ WARNING** Never use your appliance for warming or heating the room.

- **Do Not Use Water or Flour on Grease Fires.** Smother the fire with a pan lid, or use baking soda, a dry chemical or foam-type extinguisher.

- **When heating fat or grease, watch it closely.** Fat or grease may catch fire if allowed to become too hot.

- **Use Only Dry Potholders. Moist or damp potholders on hot surfaces may result in burns from steam.** Do not let the potholders touch hot heating surface units. Do not use a towel or other bulky cloth instead of a potholder.

- **Do Not Heat Unopened Food Containers. Buildup of pressure may cause the container to burst and result in injury.**

**IMPORTANT**—Do not attempt to operate the appliance during a power failure. If power fails, always turn off the appliance. If the appliance is not turned off and the power resumes, it will begin to operate again. Once the power resumes, reset the clock and oven function.

## IMPORTANT INSTRUCTIONS FOR USING YOUR MICROWAVE

### **⚠ WARNING**

When using electrical appliances, basic safety precautions should be followed to reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

- **READ ALL** instructions before using the appliance.
- Read and follow the specific **“PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY”** on page 3.
- Install or locate this appliance only in accordance with the provided installation instructions.
- 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 microwave oven.
- 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.
- As with any appliance, **CLOSE SUPERVISION** is necessary when used by **CHILDREN** or **INFIRM PERSON**.
- This appliance, including power cord, must be serviced **ONLY** by qualified service personnel. Contact nearest Authorized Servicer for examination, repair or adjustment.

## IMPORTANT SAFETY INSTRUCTIONS

- DO NOT cover or block any openings on the appliance.
- 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.
- Oversized foods or oversized metal utensils should NOT be inserted in a microwave oven as they may create a fire or risk of electric shock.
- DO NOT clean with metal scouring pads. Pieces can burn off the pad and touch electrical parts involving a risk of electric shock.
- DO NOT use paper products when appliance is operated in the convection or mix mode.
- DO NOT cover racks or any other part of the microwave oven with metal foil. This will cause overheating of the oven.
- Review the door cleaning instructions (page 27).
- Do not use straight-sided containers with narrow necks. Use a wide-mouthed container.
- After heating, allow the container to stand in the microwave oven at least for 20 seconds before removing the container.
- Use extreme care when inserting a spoon or other utensil into the container.
- If the microwave oven light fails, consult a Sears parts & repair center.

### IMPORTANT INSTRUCTIONS FOR USING YOUR LOWER OVEN

- **Use Care When Opening an Oven Door—** Stand to the side of the appliance when opening the door of a hot oven. Let hot air or steam escape before you remove or replace food in the oven.
- **Keep Oven Vent Ducts Unobstructed.** The wall oven is vented at the upper control panel or at the center trim depending of the model. Touching the surfaces in this area when the wall oven is operating may cause severe burns. Also, do not place plastic or heat-sensitive items near the oven vent. These items could melt or ignite.
- **Placement of Oven Racks.** Always place oven racks in desired location while oven is cool. If rack must be moved while oven is hot, use extreme caution. Use pot holders and grasp the rack with both hands to reposition. Do not let pot holders contact the hot oven element or interior of the oven. Remove all utensils from the rack before removing rack.
- **Do not use a broiler pan without its insert.** Broiler pan and grid allow dripping fat to drain and be kept away from the high heat of the broiler.
- **Do not cover the broiler grid or oven bottom with aluminum foil. Exposed fat and grease could ignite.**
- **Do not touch a hot oven light bulb with a damp cloth.** Doing so could cause the bulb to break. Disconnect the appliance or shut off the power to the appliance before removing and replacing the bulb.

### IMPORTANT INSTRUCTIONS FOR CLEANING YOUR APPLIANCE

- **Clean the appliance regularly to keep all parts free of grease that could catch fire.** Exhaust fan ventilation hoods and grease filters should be kept clean. Do not allow grease to accumulate. Greasy deposits in the fan could catch fire. Refer to the hood manufacturer's

#### CAUTION

To reduce the risk of fire in the microwave oven cavity:

- Do not overcook food. Carefully attend appliance when paper, plastic or other combustible materials are placed inside the microwave oven to facilitate cooking.
- Remove wire twist-ties from paper or plastic bags before placing bag in microwave oven.
- **If materials inside the microwave oven should ignite, keep microwave oven door closed, turn microwave oven off and disconnect the power cord or shut off power at the fuse or circuit breaker panel.**
- DO NOT use the cavity for storage purposes. Do not leave paper products, cooking utensils or food in the cavity when not in use.

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:

- DO NOT overheat the liquid.
- Stir the liquid both before and halfway through heating it.

# IMPORTANT SAFETY INSTRUCTIONS

instructions for cleaning.

- Kitchen cleaners and aerosols—Always follow the manufacturer's recommended directions for use. Be aware that excess residue from cleaners and aerosols may ignite causing damage and injury.
- Clean ventilating hoods frequently—Grease should not be allowed to accumulate on the hood or filter. Follow manufacturer's instructions for cleaning.

## SELF-CLEANING WALL OVEN MODELS

- **Clean in the self-cleaning cycle only the parts of the appliance listed in this Owner's Guide.** Before using the self-cleaning cycle of the appliance, remove all utensils stored in the appliance.
- **Do not clean the oven door gasket.** The door gasket is essential for a good seal. Care should be taken not to rub, damage or move the gasket.
- **Do not use oven cleaners.** No oven cleaner or oven liner protective coating of any kind should be used in or around any part of the appliance

**⚠ CAUTION** The health of some birds is extremely sensitive to the fumes given off during the self-clean cycle of any wall oven. Move birds to another well ventilated room.

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

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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 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 following:

- Reorient the receiving antenna of the 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 the microwave oven and the receiver are on different branch circuits.

**The manufacturer** is not responsible for any radio or television interference caused by **unauthorized modification** to this microwave oven. It is the responsibility of the user to correct such interference.

## SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCES

## GROUNDING INSTRUCTIONS

Do not use an adapter plug or an extension cord, or remove grounding prong from the power cord. Failure to follow this warning may cause serious injury, fire, or death. For personal safety, this appliance must be properly grounded.

### For models factory-equipped with a power cord:

For maximum safety, the power cord must be plugged into an electrical outlet that is the correct voltage, is correctly polarized, and is properly grounded in accordance with local codes.

### For ovens to be wired into a junction box:

It is the personal responsibility of the consumer to have the appropriate outlet with the correct, properly grounded wall receptacle installed by a qualified electrician. See the installation instructions packaged with this appliance for complete installation and grounding instructions.

## IMPORTANT SAFETY NOTICE

The California Safe Drinking Water and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the state to cause cancer, birth defects or other productive harm, and requires businesses to warn customers of potential exposure to such substances.

# Microwave / Wall Oven Features

Note: The features of your oven will vary according to model.

## YOUR MICROWAVE / WALL OVEN FEATURES AT A GLANCE

Your oven features include:

1. Microwave Oven Controls
2. Microwave Oven Vent
3. Microwave Oven Door with See-through Window
4. Electronic Oven Controls with Clock and Kitchen Timer (Features will vary according to model)
5. Large 1 Piece Door Handle
6. Oven Door with Large Window Opening



# Microwave Oven Important Information

## 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 microwave oven as feasible or check position and signal of receiving antenna.

## ABOUT YOUR MICROWAVE OVEN

This Use and Care 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 microwave oven without the turntable and support nor turn the turntable over so that a large dish could be placed in the microwave oven. The turntable will turn both clockwise and counterclockwise.

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

When using the microwave oven at power levels below 100%, you may hear the magnetron cycling on and off. It is normal for the exterior of the microwave oven to be warm to the touch when cooking or reheating.

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 microwave oven. Generally, covered foods will not cause as much condensation as uncovered ones. Ventilation openings must not be blocked.

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

All microwave ovens are rated by using the IEC Test Procedure at 1200 watts. In using recipes or package directions, check food a minute or two before the minimum time setting elapses and add time accordingly.

## 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.
- Use standing time. Always allow food to stand in or out of the oven after cooking power stops. Standing time after defrosting or cooking allows the temperature to evenly spread throughout the food, improving the cooking results. For inside oven standing time, you can program a "0"

power stage of cooking cycle. See Multiple Stage Cooking.

- 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 FOODS

- Do not pop popcorn in your microwave oven unless in a special microwave popcorn accessory or unless you use popcorn labeled for use in microwave ovens.
- Some products such as whole eggs and sealed containers—for example, closed jars—will explode and should not be heated in this microwave oven. Such use of the microwave oven could result in injury.
- Do not boil eggs in a microwave oven. Pressure will build up inside egg yolk and will cause it to burst, possibly resulting in injury.
- Operating the microwave with no food inside for more than a minute or two may cause damage to the microwave oven and could start a fire. It increases the heat around the magnetron and can shorten the life of the microwave oven.
- Foods with unbroken outer "skin" such as potatoes, hot dogs, sausages, tomatoes, apples, chicken livers and other giblets, and egg yolks should be pierced to allow steam to escape during cooking.
- Avoid heating baby food in glass jars, even with the lid off. Make sure all infant food is thoroughly cooked. Stir food to distribute the heat evenly. Be careful to prevent scalding when warming formula or breast milk. The container may feel cooler than the milk really is. Always test the milk before feeding the baby.
- Spontaneous boiling—Under certain special circumstances, liquids may start to boil during or shortly after removal from the microwave oven. To prevent burns from splashing liquid, we recommend the following: before removing the container from the microwave oven, allow the container to stand in the microwave oven for 30 to 40 seconds after the microwave oven has shut off. Do not boil liquids in narrow-necked containers such as soft drink bottles, wine flasks and especially narrow-necked coffee cups. Even if the container is opened, excessive steam can build up and cause it to burst or overflow.
- Do not defrost frozen beverages in narrow-necked bottles (especially carbonated beverages). Even if the container is opened, pressure can build up. This can cause the container to burst, possibly resulting in injury.
- Hot foods and steam can cause burns. Be careful when opening any containers of hot food, including popcorn bags, cooking pouches and boxes. To prevent possible injury, direct steam away from hands and face.
- Do not overcook potatoes. They could dehydrate and catch fire, causing damage to your microwave oven.
- Cook meat and poultry thoroughly—meat to at least an INTERNAL temperature of 160°F and poultry to at least an INTERNAL temperature of 170°F. Cooking to these temperatures usually protects against foodborne illness.

## Microwave Oven Important Information (continued)

### 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 microwave oven. Make sure the utensil does not touch the interior walls during cooking.

**Use these utensils for safe microwave cooking and reheating:**

- glass ceramic (Pyroceram®), such as Corningware®.
- heat-resistant glass (Pyrex®)
- microwave-safe plastics
- paper plates
- microwave-safe pottery, stoneware and porcelain
- browning dish (Do not exceed recommended preheating time. Follow manufacturer's directions.)

**These items can be used for short time reheating of foods that have little fat or sugar in them:**

- wood, straw, wicker

### DO NOT USE

- metal pans and bakeware
- dishes with metallic trim
- non-heat-resistant glass
- non-microwave-safe plastics (margarine tubs)
- recycled paper products
- brown paper bags
- food storage bags
- metal twist-ties

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

### THE FOLLOWING COVERINGS ARE IDEAL:

- Paper towels are good for covering foods for reheating and absorbing fat while cooking bacon.
- Wax paper can be used for cooking and reheating.
- Plastic wrap that is specially marked for microwave use can be used for cooking and reheating. DO NOT allow plastic wrap to touch food. Vent so steam can escape.
- Lids that are microwave-safe are a good choice because heat is kept near the food to hasten cooking.
- Oven cooking bags are good for large meats or foods that need tenderizing. DO NOT use metal twist ties. Remember to slit bag so steam can escape.

### HOW TO USE ALUMINUM FOIL IN YOUR MICROWAVE OVEN:

- Small flat pieces of aluminum foil placed smoothly on the food can be used to shield areas that are either defrosting or cooking too quickly.
- Foil should not come closer than one inch to any surface of the microwave oven.

Should you have questions about utensils or coverings, check a good microwave cookbook or follow recipe suggestions.

**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. Sears is not responsible for any damage to the microwave oven when accessories are used.

### 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.

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

### ABOUT SAFETY

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

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160°F	For fresh pork, ground meat, boneless white poultry, fish, seafood, egg dishes and frozen prepared food.
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165°F	For leftover, ready-to-reheat refrigerated, and deli and carry-out "fresh" food.
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170°F	White meat of poultry.
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175°F	Dark meat of poultry.
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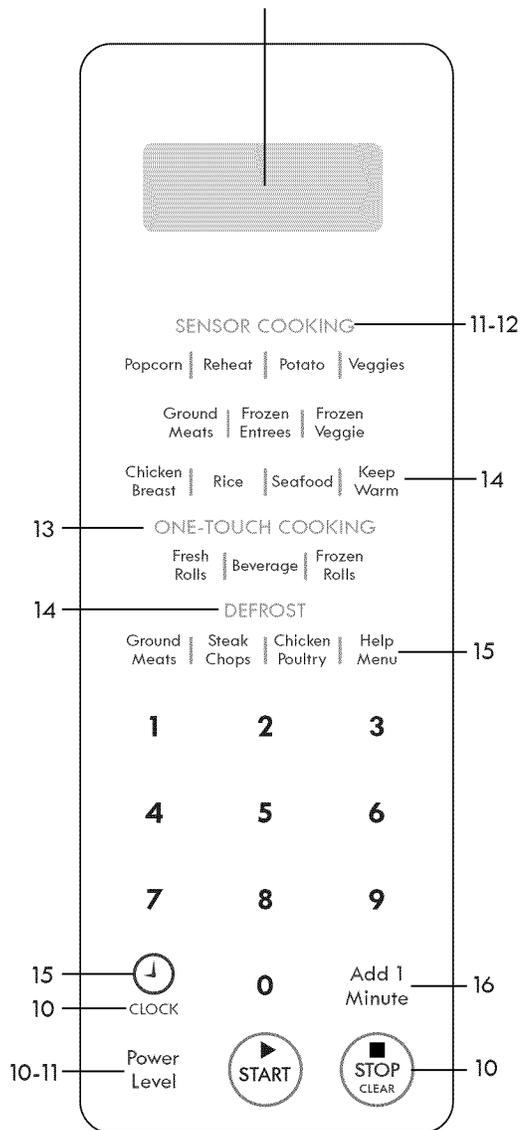
To test for doneness, insert a meat thermometer in a thick or dense area away from fat or bone. NEVER leave the thermometer in the food during cooking, unless it is approved for microwave oven use.

- 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 microwave 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 microwave oven so that the utensil, your clothes or accessories do not touch the safety door latches.

## Microwave Oven Control Pad Features

### READ THE INSTRUCTIONS CAREFULLY BEFORE USING THE OVEN.

The 7-digit Interactive Display spells out operating steps and shows cooking hints. When HELP is lighted in the display, touch the **HELP** pad to read a specific hint which may assist you.



Number next to the control panel illustration indicates page on which there is a feature description and usage information.

### Before Operating the Microwave

- Before operating your new microwave oven make sure you read and understand this Use and Care 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 ENJOY YOUR OVEN PRESS CLEAR AND PRESS CLOCK.
  2. Touch the **Stop/Clear** pad.: will appear.
  3. Set clock.

### TO SET THE CLOCK

- Suppose you want to enter the correct time of day 12:30 (A.M. or P.M.).
  1. Touch **↓** pad and number 2.
  2. Enter time 1,2,3,0 and press **↓** 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 ENJOY YOUR OVEN 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 microwave oven can be programmed with the door open except for **START, SENSOR COOKING, ONE-TOUCH COOKING, DEFROST** and **Add 1 Min.**

### 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.

## Microwave Manual Operation

### TIME COOKING

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 5,0,0.
  2. Touch **START** 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 a cookbook or recipes for specific recommendations.

- Suppose you want to defrost for 5 minutes at 30%.
  1. Enter defrosting time 5,0,0.
  2. Touch **Power Level** pad eight times or hold down until the desired power level appears.
  3. Touch **START** pad.

When the defrost time is complete, a long tone will sound and END will appear in the display.

## Microwave Manual Operation (continued)

Touch Power Level Pad Number of Times for Desired Power	Approximate Percentage of Power	Common Words for Power Levels
Power Level x 1	100%	High
Power Level x 2	90%	
Power Level x 3	80%	
Power Level x 4	70%	Medium High
Power Level x 5	60%	
Power Level x 6	50%	Medium
Power Level x 7	40%	
Power Level x 8	30%	Med Low/Defrost
Power Level x 9	20%	
Power Level x 10	10%	Low
Power Level x 11	0%	Standing Time

### MANUAL DEFROST

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

You can defrost any frozen food, either raw or previously cooked, by using **Power Level** for 30%. Follow the exact 3-step procedure found under TO SET POWER LEVEL. Estimate defrosting time and press **Power Level** pad eight times for 30%.

For either raw or previously cooked frozen food the rule of thumb is approximately 4 minutes per pound. For example, defrost 4 minutes for 1 pound of frozen spaghetti sauce.

Always stop the microwave 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 microwave oven in 1 minute increments on **Power Level** 30% until totally defrosted.

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

## Microwave Operating Instructions

### Special Features

#### SENSOR COOKING

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

#### Using Sensor Settings:

1. After microwave oven is plugged in, wait 2 minutes before using SENSOR COOKING.
2. Be sure the exterior of the cooking container and the interior of the microwave oven are dry. Wipe off any moisture with a dry cloth or paper towel.
3. The microwave oven works with foods at normal storage temperature. For example, popcorn would be at room temperature, frozen dinner would be at freezer temperature.
4. Any SENSOR COOKING selection can be programmed with More or Less Time Adjustment. See page 16.
5. More or less food than the quantity listed in the Sensor Cooking Table should be cooked following the guidelines in any microwave cookbook.
6. During the first part of SENSOR COOKING, food selection name will appear on the display. Do not open the microwave oven door or touch **Stop/Clear** during this part of the cooking cycle. The measurement of vapor will be interrupted. If this occurs, an error message will appear. To continue cooking, touch the **Stop/Clear** pad and cook manually.  
When the sensor detects the vapor emitted from the food, remainder of cooking time will appear. Door may be opened when remaining cooking time appears on the display. At this time, you may stir or season food, as desired.
7. If the sensor does not detect vapor properly when popping popcorn, the microwave oven will turn off, and the correct time of day will be displayed. If the sensor does not detect vapor properly when cooking other foods, ERROR will be displayed, and the microwave oven will turn off.

8. Check food for temperature after cooking. If additional time is needed, continue to cook manually.
9. Each food selection pad has a cooking hint. Touch **Help** pad when the HELP indicator is lighted in the display.

**IMPORTANT OPERATION NOTE:** You must touch a Sensor Cooking pad within 3 minutes of opening and closing the oven door at the beginning of a new cooking cycle. If you do not, the pad will not work until you touch **Stop/Clear**.

#### Covering Foods:

Some foods work best when covered. Use the cover recommended in the SENSOR COOKING TABLE 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. 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.

Be careful when removing any covering to allow steam to escape away from you.

#### EXAMPLE:

You can cook many foods by touching just one pad. You don't need to calculate cooking time or power level.

• Suppose you want to reheat chili.

Touch **Reheat** pad.

When sensor detects the vapor emitted from the food, remainder of reheating time will appear.

# Microwave Operating Instructions (continued)

## Special Features (continued)

### SENSOR COOKING TABLE

FOOD	AMOUNT	PROCEDURE															
Popcorn	1 package 1.5 - 3.5 oz bag	Use only popcorn packaged for microwave oven use. Try several brands to decide which you like. Do not try to pop unpopped kernels. Touch <b>Popcorn</b> pad.															
Reheat	4 - 36 oz	Place food 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. After reheating, stir well, if possible. Re-cover and allow to stand 2 to 3 minutes. Foods should be hot. If not, continue to heat with variable power and time.															
Baked Potato	1 - 8 med.	Pierce. Place on paper-towel-lined turntable. After cooking, remove from microwave oven, wrap in aluminum foil and let stand 5 to 10 minutes.															
Fresh Veggie: Soft																	
Broccoli	.25 - 2.0 lb	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. Touch <b>Fresh Veggie</b> pad. After cooking, stir, if possible. Let stand, covered, for 2 to 5 minutes.															
Brussels sprouts	.25 - 2.0 lb																
Cabbage	.25 - 2.0 lb																
Cauliflower	.25 - 2.0 lb																
(flowerets)																	
Cauliflower (whole)	1 med.																
Spinach	.25 - 1.0 lb																
Zucchini	.25 - 2.0 lb																
Baked apples	2 - 4 med.																
Fresh Veggie: Hard																	
Carrots, sliced	.25 - 1.5 lb	Place in casserole. Add 1-4 tbsp water. Cover with lid for tender vegetables. Use plastic wrap cover for tender-crisp vegetables. Touch <b>Fresh Veggie</b> pad twice. After cooking, stir, if possible. Let stand, covered, for 2 to 5 minutes.															
Corn on the cob	2 - 4																
Green beans	.25 - 1.5 lb																
Winter squash:																	
diced	.25 - 1.5 lb																
halves	1 - 2																
Ground Meats	.25 - 2.0 lb	Use this setting to cook ground beef or turkey as patties or in a casserole to be added to other ingredients. Place patties on a microwave-safe rack and cover with wax paper. Place ground meat in a casserole and cover with wax paper or plastic wrap. When microwave oven stops, turn patties over or stir meat in casserole to break up large pieces. Re-cover and touch <b>START</b> . After cooking, let stand, covered, for 2 to 3 minutes.															
Frozen Entrees	6 - 17 oz	Use this pad for frozen convenience foods. 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 1-3 minutes.															
Frozen Veggie	.25 - 1.5 lb	Add no water. Cover with lid or plastic wrap. After cooking, stir and let stand, covered, for 3 minutes.															
Chicken Breast	.5 - 2.0 lb	Cover with vented plastic wrap. Touch <b>Chicken Breast</b> pad. When microwave oven stops, turn over. Shield with small, flat pieces of aluminum foil any areas that are cooking too rapidly. Re-cover and touch <b>START</b> . After cooking, let stand, covered 3-5 minutes. Chicken should be 160°F.															
Rice	.5 - 2.0 cups	Place rice into a deep casserole and add double quantity of water (see below). Cover with lid or plastic wrap. After cooking, stir, cover and let stand 3 to 5 minutes or until all liquid has been absorbed.															
		<table border="1"> <thead> <tr> <th>Rice</th> <th>Water</th> <th>Size of casserole</th> </tr> </thead> <tbody> <tr> <td>.5 cup</td> <td>1 cup</td> <td>1.5 quart</td> </tr> <tr> <td>1 cup</td> <td>2 cups</td> <td>2 quart</td> </tr> <tr> <td>1.5 cups</td> <td>3 cups</td> <td>2.5 or 3 quart</td> </tr> <tr> <td>2 cups</td> <td>4 cups</td> <td>3 quart or larger</td> </tr> </tbody> </table>	Rice	Water	Size of casserole	.5 cup	1 cup	1.5 quart	1 cup	2 cups	2 quart	1.5 cups	3 cups	2.5 or 3 quart	2 cups	4 cups	3 quart or larger
Rice	Water	Size of casserole															
.5 cup	1 cup	1.5 quart															
1 cup	2 cups	2 quart															
1.5 cups	3 cups	2.5 or 3 quart															
2 cups	4 cups	3 quart or larger															
Fish/Seafood	.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 for 3 minutes.															

# Microwave Operating Instructions (continued)

## Special Features (continued)

### ONE-TOUCH COOKING

ONE-TOUCH COOKING allows you to cook or reheat many of your favorite foods by touching just one pad.

• Suppose you want to heat 2 fresh rolls or muffins.

Touch **Fresh Rolls** pad 2 times. The microwave oven starts automatically.

#### NOTE:

1. To increase quantity, touch chosen pad until number in display is same as desired quantity to cook. Ex: touch **Beverage** two times for one cup. More or less food than the quantity listed in the table should be heated following the guidelines in any microwave cookbook.

2. ONE-TOUCH COOKING can be programmed with More or Less Time Adjustment. See page 16.

3. The final result will vary according to the food condition (e.g. initial temperature, shape, quality). Check food for temperature after heating. If additional time is needed, continue to heat manually.

**IMPORTANT OPERATION NOTE:** You must touch a One-Touch Cooking pad within 3 minutes of opening and closing the oven door at the beginning of a new cooking cycle. If you do not, the pad will not work until you touch **Stop/Clear**.

### ONE-TOUCH COOKING TABLE

FOOD	AMOUNT	PROCEDURE
Fresh Rolls	1 - 10 pieces	Use this pad to warm rolls, muffins, biscuits, bagels etc. Large items should be considered as 2 or 3 of regular size. Arrange on plate; cover with paper towel. For refrigerated rolls or muffins, it may be necessary to double the entered amount to ensure the proper serving temperature. For example, enter quantity of 2 for 1 refrigerated muffin.
Beverage	.5 - 2.0 cups	This setting is good for restoring cooled beverage to a better drinking temperature. Stir liquid briskly before heating to avoid "eruption". Touch <b>Beverage</b> pad. <b>Press the pad for amount</b> Once            .5 cup Twice           1 cup 3 times        1.5 cup 4 times        2 cups
Frozen Rolls	1 - 10 pieces	Use this pad to warm rolls, muffins, biscuits, bagels etc. Large items should be considered as 2 or 3 of regular size. Arrange on plate; cover with paper towel.

## Microwave Operating Instructions (continued)

### Special Features (continued)

#### DEFROST

DEFROST automatically defrosts all the foods shown in the DEFROST TABLE.

Round the weight to the nearest half pound. (Ex: if the steak's actual weight is 2.2 lb round to 2.0 lb If the steak's weight is 2.4 lb round to 2.5 lb.)

To enter weight, touch the desired DEFROST pad for a 0.5 lb increase per touch. (Ex: touch four times for 2.0 lb.)

You must enter the weight within 1 second of touching the Defrost pad, or the oven will begin defrosting. To return to adjust the weight, **you must touch Stop twice.**

- Suppose you want to defrost a 2.0 pound steak.
  1. Quickly touch **Steak/Chops** pad 4 times for 2.0 lb. The microwave oven will start automatically. The microwave oven will stop and directions will be displayed. Follow the indicated message.
  2. After the 1st stage, open the door, turn steak over and shield any warm portions with aluminum foil. Close the door. Touch **START** pad.
  3. After the 2nd stage, open the door and shield any warm portions. Close the door. Touch **START** pad.

#### DEFROST TABLE

FOOD	AMOUNT	PROCEDURE
Ground Meats	.5 - 2.0 lb	Remove any thawed pieces after each stage. Let stand, covered, for 5 to 10 minutes.
Steaks/Chops	.5 - 3.0 lb	After each stage, 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, for 10 to 20 minutes.
Poultry (Pieces)	.5 - 3.0 lb	After each stage, if there are warm or thawed portions, rearrange or remove. Let stand, covered, for 10 to 20 minutes.

#### KEEP WARM

Keep Warm allows you to keep food warm up to 30 minutes.

##### DIRECT USE

- Suppose you want to keep a cup of soup warm for 15 minutes.
  1. Touch **Keep Warm** pad.
  2. Enter time 1,5,0,0.
  3. Touch **START** pad.The microwave oven will start. The display will show and count down. will be displayed during the count down. You can program **Keep Warm** with manual cooking to keep food warm continuously after cooking.

After defrost cycle ends, cover and let stand as indicated in table.

##### NOTE:

1. If you attempt to enter more or less than the allowed weight as indicated in table, **ERROR** will appear in the display.
2. DEFROST can be programmed with More or Less Time Adjustment. See page 16.
3. To defrost other foods or foods above or below the weights allowed on DEFROST TABLE use time and 30% power. See Manual Defrost on page 11.
4. You may choose to enter the weight in tenths of a pound. This procedure may be easier with larger weights, such as 3 pounds, because it requires fewer touches. To program, touch desired DEFROST pad and enter weight by touching the number pads. Ex: touch **Steaks/Chops** then 3 and 0 for a weight of three pounds or touch **Steaks/Chops** then 2 and 2 for a weight of 2.2 lb.

**IMPORTANT OPERATION NOTE:** You must touch a Defrost pad within 3 minutes of opening and closing the oven door at the beginning of a new cooking cycle. If you do not, the pad will not work until you touch **Stop/Clear**.

#### WITH MANUAL COOKING

- Suppose you want to cook a cup of soup for 2 minutes at 70% and keep the soup warm for 15 minutes.
  1. Enter cooking time 2,0,0.
  2. Touch **Power Level** pad 4 times for 70% power.
  3. Touch **Keep Warm** pad.
  4. Enter time 1,5,0,0.
  5. Touch **START** pad.The operation will start. When the cooking time is complete, a long tone will sound and **Keep Warm** will start. The display will count down for 15 minutes and will be displayed during the count down.  
**NOTE:** **Keep Warm** cannot be programmed with SPECIAL FEATURES.

# Microwave Operating Instructions (continued)

## Other Convenient Features

### HELP

Help provides 4 features that make using your microwave oven easy because specific instructions are provided in the interactive display.

#### 1. Child Lock

The Child Lock prevents unwanted microwave oven operation such as by small children. The microwave oven can be set so that the control panel is deactivated or locked. To set, touch **Help**, the number 1 and then touch the **START** pad. Should a pad be touched, CHILD LOCK ON will appear in the display. To cancel, touch **Help** and **Stop/Clear** pad.

#### 2. Audible Signal Elimination

If you wish to have the microwave oven operate with no audible signals, touch **Help**, the number 2 and **Stop/Clear**. To cancel and restore the audible signal, touch **Help**, the number 2 and **START**.

#### 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 for 20 minutes on 50% at 4:30. Before setting, check to make sure the clock is showing the correct time of day.

1. Touch **Help** pad.
2. Touch number 3.
3. Enter number 4,3,0 for start time.
4. Touch  pad.
5. Enter cooking program by touching number 2,0,0,0, **Power Level** pad 6 times.
6. Touch **START** pad; auto start time appears in the display.

### NOTE:

1. Auto Start can be used for manual cooking if clock is set.
2. If the microwave oven door is opened after programming Auto Start, it is necessary to touch the **START** pad for Auto Start time to appear in the readout so that the microwave 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. Acorn or butternut squash are often a good choice. Do not use foods that can easily spoil.
4. If you wish to know the time of day, simply touch the  pad. As long as your finger is touching the  pad, the time of day will be displayed.

#### 4. Language / Weight Selection

The microwave oven comes set for English and U.S. Customary Unit-pounds. To change, touch **Help** and the number 4. Continue to touch the number 4 until your choice is selected from the table below. Then, touch **START**.

Touch number 4 once for English/LB.

Touch number 4 twice for English/KG.

Touch number 4 three times for Spanish/LB.

Touch number 4 four times for Spanish/KG.

Touch number 4 five times for French/LB.

Touch number 4 six times for French/KG.

### HELP (In display)

Whenever HELP is lighted in the Interactive Display, touch **Help** to read cooking and operating hints.

### MULTIPLE STAGE COOKING

Your microwave oven can be programmed for sequence of up to 4 cooking stages, switching from one power level 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 100%, continue to cook for 30 minutes at 50% and finish with 5 minutes of standing time in oven.
1. First enter cooking time. Then touch **Power Level** pad once for 100% power.
  2. Enter second cooking time. Touch **Power Level** pad 6 times for 50% power.
  3. Enter the standing time. Touch **Power level** pad 11 times.
  4. Touch **START** pad.

### NOTE:

1. 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.
2. If 100% is selected as the final sequence, it is not necessary to touch the **Power Level** pad.

## Microwave Operating Instructions (continued)

### Other Convenient Features

#### ADD 1 MIN

Add 1 Min allows you to cook for a minute at 100% by simply touching the **Add 1 Min** pad. You can also extend cooking time in multiples of 1 minute by repeatedly touching the **Add 1 Min** pad during manual cooking.

#### NOTE:

1. To use **Add 1 Min**, touch pad within 3 minutes after cooking, closing the door, touching the **Stop/Clear** pad or during cooking.
2. **Add 1 Min** cannot be used with Special Features.

#### DEMONSTRATION MODE

To demonstrate, touch , the number 0 and touch **START** and hold for 3 seconds. DEMO ON 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 **Stop/Clear** and touch **Add 1 Min**, and the display will show 1.00 and count down quickly to END.

To cancel, touch , then the number 0 and **Stop/Clear**. If easier, unplug the microwave oven from the electrical outlet, replug and set the clock.

#### MORE OR LESS DONE ADJUSTMENT

You may discover that you like the results of one of the cooking functions (Sensor Cooking, One-Touch Cooking, or Defrost) slightly **more** or **less** done.

- For more done, touch the **Power Level** pad once within 1 second after selecting a cooking function. MORE will appear in the display.
- For less done, touch the **Power Level** pad twice within 1 second after selecting a cooking function. LESS will appear in the display.

If you fail to touch the Power Level pad within 1 second after selecting a cooking function, the oven will start the function.

To return to adjust function to more or less **you must touch Stop/Clear twice**.

#### TIMER

- Suppose you want to time a 3 minute long distance phone call.

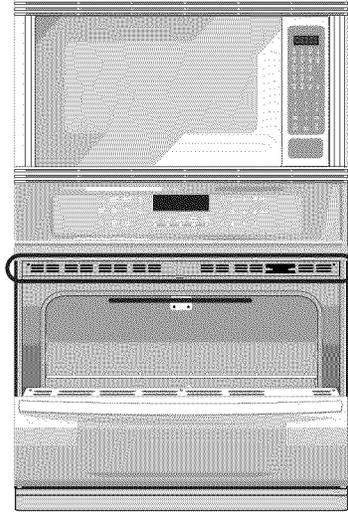
1. Touch  pad and number 1.
2. Touch 3,0,0 to enter time.
3. Touch  pad. The Timer will count down.

## Oven Vent and Racks

**CAUTION** Some models are equipped with a blower which runs in baking and self-cleaning mode to keep all internal components at a cool temperature. The blower may keep running even if the oven has been turned off, until the components have cooled down.

### Oven Vent Location

The oven is vented at the **center trim**. When the oven is on, warm air is released through the vent. This venting is necessary for proper air circulation in the oven and good baking results.

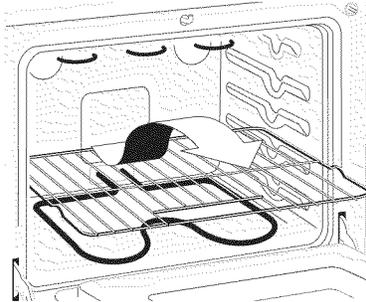


### Arranging Oven Racks

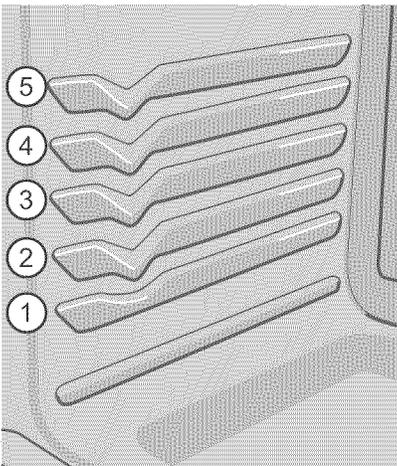
ALWAYS ARRANGE OVEN RACKS WHEN THE OVEN IS COOL (PRIOR TO OPERATING THE OVEN). Always use oven mitts when using the oven.

**To remove an oven rack,** pull the rack forward until it stops. Lift up front of rack and slide out.

**To replace an oven rack,** fit the rack onto the guides on the oven walls. Tilt the front of the rack upward and slide the rack back into place.



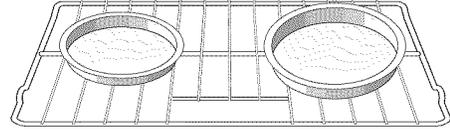
### Oven Vent Positions



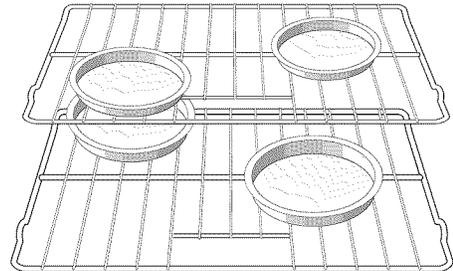
## Air Circulation in the Oven

If using 1 rack, place in center of oven. If using multiple racks, stagger cookware as shown.

For best air circulation and baking results allow 2"-4" (5-10cm) around the cookware for proper air circulation and be sure pans and cookware do not touch each other, the oven door, sides or back of the oven cavity. The hot air must circulate around the pans and cookware in the oven for even heat to reach around the food.

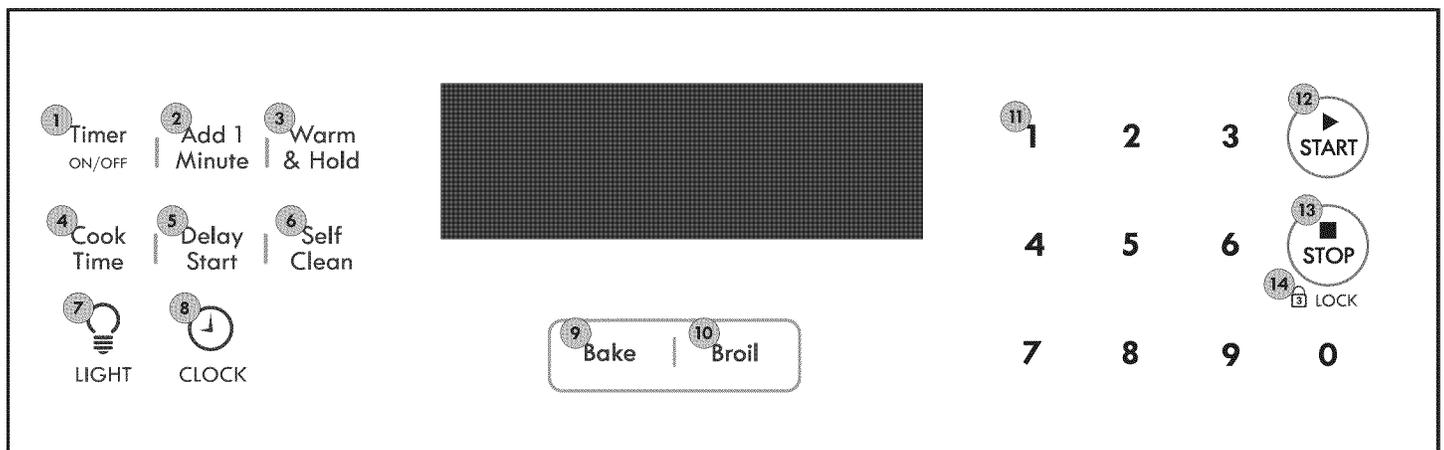


1 Oven Rack



Multiple Oven Racks

# Oven Controls



## Oven Control Features

- 1. Timer On/Off** - Use to set or cancel timer. The minute timer does not start or stop cooking.
- 2. Add 1 Minute** - Use to add additional minutes to the timer feature.
- 3. Warm & Hold** - Use to set the Warm & Hold function.
- 4. Cook Time** - Use to enter the length of the cook time desired.
- 5. Delay Start** - Use to set the desired start time for baking. May be used with Cook Time or Self Clean.
- 6. Self Clean** - Use to set a 2 to 4 hours self-clean cycle.
- 7. Oven Light** - Use to turn the lower oven light ON and OFF.
- 8. Clock** - Use to set the clock.
- 9. Bake** - Use to enter the normal bake feature.
- 10. Broil** - Use to select variable broil feature.
- 11. 0 thru 9 number** - Use to enter temperature and times. Also used to quick start the microwave oven.
- 12. START** - Use to start all oven features.
- 13. STOP** - Use to cancel any oven function previously entered.
- 14. Lock** - Use to lock the controls and the oven door.

### Important:

Read the instructions carefully before using the oven. For satisfactory use of your oven, become familiar with the various functions of the oven.

## Minimum & Maximum Control Settings

All of the features listed below have minimum and maximum time or temperature settings that may be entered into the control. An ENTRY acceptance beep will sound each time a control pad is touched (the Oven Lockout pad is delayed 3 seconds).

An ENTRY ERROR tone (3 short beeps) will sound if the entry of the temperature or time is below the minimum or above the maximum settings for the feature.

Feature	Min. Temp. or Time	Max. temp. or Time
Bake	170°F/77°C	550°F/288°C
Broil	400°F/205°C	550°F/288°C
Timer	0:01 Min.	11:59
Warm & Hold	170°F/77°C	3 Hours
Self Clean	2 Hours	4 Hours
Cook Time	1 Minute	11:59
Delay Time 12 Hr.	1:00	12:59
Delay Time 24 Hr.	0:00	23:59
Clock 12 Hr.	1:00	12:59
Clock 24 Hr.	0:00	23:59

## Oven Controls

### Setting Clock at Power Up

You will be prompted to enter the time of day in the event of a power failure or when you first provide electric power to your appliance.

- When your appliance is first powered up, 12:00 will flash in the display.
- Enter the time of day using the numeric key pads and press **START** to set.

If an invalid time of day is entered, the control will triple beep. Re-enter a valid time of day and press **START**. If **STOP** is pressed your clock will start with the time set for **12:00**.

Select the **CLOCK**  key to modify the time of day during other situations such as day light savings.

### Setting Timer

The timer provided with the oven control serve as extra reminders in the kitchen. When the time runs out the active timer will beep, and "End" will be displayed.

The following time settings apply to the timers:

- Min. time: 1 minute
- Max. time: 11 hours 59 minutes

See example below to set the timer for 5 minutes:

1. Press **TIMER ON/OFF**
2. Enter **5** minutes
3. Press **START**

To cancel or end the timer, press the **TIMER ON/OFF** key again.

**NOTE:** The timer(s) will not affect the cooking process.

### To Set Add 1 Minute Feature

The ADD 1 MINUTE pad is used to set the Add 1 Minute feature. When the pad is pressed, 1 minute is added to the Timer feature if this feature is already active. If the Timer feature is not active and the pad is pressed, the Timer feature will become active and will begin counting down from 1 minute. For further information on how to set the Timer feature see Timer instructions above.

### Preheat Temperature Display

Once a cooking feature has been started, the control will display the actual oven temperature while preheating. Once the oven reaches the oven set temperature, only the oven set temperature will be displayed.

The preheat temperature display is available with the following cooking modes:

- Bake

### Setting Oven Lockout

The Oven Lockout feature automatically locks the oven door and prevents the oven from being turned on. It does not disable the clock, Timer or the interior oven lights.

See example below to lock the oven.

To lock, press and hold **STOP** for 3 seconds.

To unlock, press and hold **STOP** for 3 seconds.

 **DOOR** will flash in the display until the door has finished locking. Once the door has been locked the door lock indicator will turn on.  **DOOR** will then stay displayed.

Do not attempt to open the oven door while the door lock indicator is flashing.

## Oven Controls

### Bake

Use the bake feature to cook most food items that require normal cooking temperatures.

The following temperature settings apply to the bake feature:

- Auto-suggest (default) setting: **350°F/177°C**
- Min. bake setting: **170°F / 77°C**
- Max. bake setting: **550°F / 288°C**

### Setting bake

See example below to set a bake to start immediately at the default temperature.

1. Press **BAKE**

If needed, use numeric keypads to enter a different oven temperature.

2. Press **START**

Once **START** is pressed the oven will begin heating. The oven display shows the temperature rising.

After the oven reaches set temperature a beep will indicate the oven is ready. The oven will continue to maintain this temperature until the cooking feature is canceled.

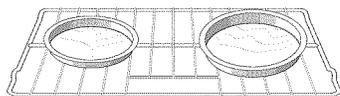
### NOTE

To cancel the function, you may press **STOP** at any time when setting the control or during the cooking process.

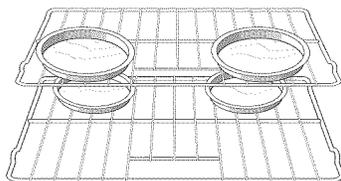
To change the set temperature while the oven is already heating, follow the same procedure described above.

### For best results

- As much as possible, use only one rack on position 2 or 3 and center the pans. If using two racks, place the oven racks in position 2 and 4.
- When placing multiple food items in the oven allow 2-4" (5-10cm) of space between the food items for proper air circulation.
- Dark or dull pans absorb more heat than shiny bakeware resulting in dark or overbrowning of foods. It may be necessary to reduce the oven temperature or cook time to prevent overbrowning of some foods. Dark pans are recommended for pies. Shiny pans are recommended for cakes, cookies and muffins.



Pan position for one rack baking.



Pan position for two rack baking.

### Warm & Hold™

The Warm & Hold feature will keep oven baked foods warm for serving up to 3 hours after cooking has finished. After 3 hours the Warm & Hold feature will shut-off automatically. The Warm & Hold should only be used with foods that are already at serving temperature. The Warm & Hold feature will maintain an oven temperature of 170°F (77°C).

The Warm & Hold feature may be used without any other cooking operations or may be used after cooking has finished using Cook Time or Delay Start.

See example below to set Warm & Hold for the oven to start immediately.

1. Press **WARM & HOLD**
2. Press **START**

See example below to set Warm & Hold to start after a Cook Time or Delay Start.

1. Press **BAKE** or any other cooking function.

If needed, enter a different temperature.

2. Press **START**.
3. Press **BAKE TIME**.
4. Enter time.
5. Press **START**.

If needed, set a **DELAY START** feature.

6. Press **WARM & HOLD**.
7. Press **START**

### NOTE

You may press **STOP** any time when setting the control or during the cooking process.

### ⚠ WARNING

**FOOD POISONING HAZARD.** Do not let food sit for more than one hour before or after cooking. Doing so can result in food poisoning or sickness. Foods that can easily spoil such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when finished cooking.

## Oven Controls

### Cook Time

Adding a cook duration when baking is beneficial when a recipe requires a specific temperature and period of time to cook. Following the recipe cook time helps insure the best possible results.

See example below to set the oven for bake, starting immediately with preheating to the auto-suggest (default) setting of 350°F (177°C) and then to automatically turn off after 30 minutes:

1. Press **BAKE**
2. Press **START**
3. Press **COOK TIME**
4. Enter **30** minutes
5. Press **START**

Once **START** is pressed the oven will cook and after 30 minutes automatically shut-off.

#### When the Cook Time finishes:

1. "**End**" and the time of day will show in display. The oven will shut off automatically.
2. The control will beep 3 times. The control will continue to beep 3 times every 30 seconds until **STOP** is pressed.

#### NOTE

- To cancel the function, you may press **STOP** at any time when setting the control or during the cooking process.
- The maximum Cook Time setting is 11 hours and 59 minutes.
- After the Cook Time feature has been activated, the display will go back to showing the hour of day. Press the **COOK TIME** keypad to display any remaining cook time.
- Dark or dull pans absorb more heat than shiny bakeware resulting in dark or overbrowning of foods. It may be necessary to reduce the oven temperature or cook time to prevent overbrowning of some foods. Dark pans are recommended for pies. Shiny pans are recommended for cakes, cookies or muffins.

### Delay Start (with cook time)

Adding a cook duration along with a specific start time gives the same benefits as the cook time option in addition to controlling exactly when the cooking process will begin and end.

See example below to set the oven with preheating for bake at 375°F (191°C) for 50 minutes and to automatically start at 5:30:

1. Press **BAKE**
2. Enter **375°F**
3. Press **START**
4. Press **COOK TIME**
5. Enter **50** minutes
6. Press **START**
7. Press **DELAY START**
8. Enter **5:30**
9. Press **START**

Once **START** is pressed, the oven will calculate the start time at which the oven will begin heating.

The oven will continue to maintain this temperature for the selected time or until the cooking feature is canceled.

#### NOTE

- When setting the **DELAY START** option be sure the correct time of day is set.
- You may press **STOP** any time when setting the control or during the cooking process.
- You may also choose to use **DELAY START** with no **COOK TIME**.
- Delay Start may be set using a 24 hour clock. See Setting 12 or 24 hour display modes for more information.

#### **WARNING**

**FOOD POISONING HAZARD.** Do not let food sit for more than one hour before or after cooking. Doing so can result in food poisoning or sickness. Foods that can easily spoil such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when finished cooking.

# Oven Controls

## Broil

Use the **broil** feature to cook meats that require direct exposure to radiant heat for optimum browning results.

The following temperature settings apply to the broil feature:

- Auto-suggest (default) setting: **550°F / 288°C**
- Min. broil setting: **400°F / 204°C**
- Max. broil setting: **550°F / 288°C**

## Setting Broil

See example below to set broil starting immediately with the auto-suggest (default) setting:

1. Place the broiler insert on the broiler pan, then place the meat on the insert. Remember to follow all warnings and cautions.
2. Arrange the interior oven rack to rack position recommendations. Be sure to place the prepared food and pan directly under broil element. **Close the oven door.**
3. Press **BROIL**

If needed, use numeric keypads to enter a different oven temperature.

4. Press **START**

## NOTE

You may press **STOP** any time when setting the control or during the cooking process.

Be aware that the suggested broil settings table are recommendations only. Increase or decrease broiling times, or move to a different rack position to suit for doneness. If the food you are broiling is not listed in the table, follow the instructions provided in your cookbook and watch the item closely.

## For best results

- Use the recommended pans and oven rack positions for the type of meat being prepared.
- For optimum browning results, allow the oven to preheat **2 minutes** before placing the food in the oven.

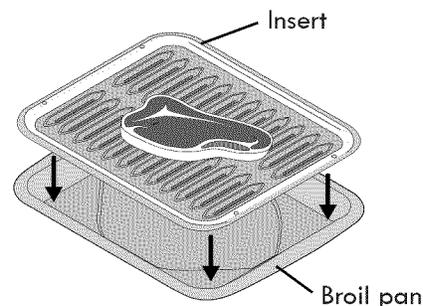
## CAUTION

- **Do not** use the broiler pan without the insert.
- **Do not** cover the broil pan/insert with aluminum foil; the exposed grease could ignite.
- To prevent food from contacting the broil element and to prevent grease splattering, **do not** use the roasting rack when broiling.

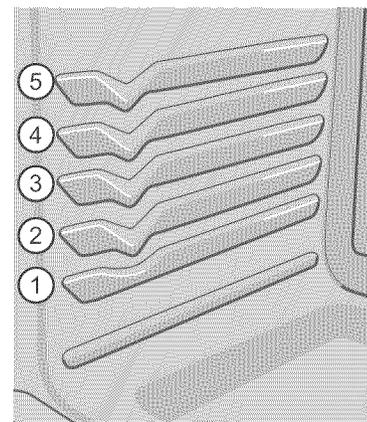
## WARNING

Should an oven fire occur, close the oven door. If the fire continues, throw baking soda on the fire or use a fire extinguisher. **Do not** put water or flour on the fire. Flour may be explosive and water can cause a grease fire to spread and cause personal injury.

The broil pan and its insert are available via the mail order card. The broil pan insert contains slots that allows grease from the meat to drain into the broil pan. Place prepared meat on broil pan insert and then place onto broiler pan as shown below.



Food	Rack position	Temp	Cook time in minutes		Doneness
			1st side	2nd side	
Steak 1" thick	4th or 5th	550°F	6	4	Medium
	4th or 5th	550°F	7	5	Medium-Well
	4th or 5th	550°F	8	7	Well
Pork chops 3/4" thick	4th	550°F	8	6	Well
Chicken-bone in	3rd	450°F	20	10	Well
Chicken-boneless	4th	450°F	8	6	Well
Fish	4th	500°F	- as directed -	-	Well
Shrimp	3rd	550°F	- as directed -	-	Well
Hamburger 1" thick	5th	550°F	9	7	Medium
	4th	550°F	10	8	Well



Rack positions

# Oven Controls

## Sabbath Mode

This appliance provides special settings for use when observing the Jewish Sabbath/Holidays. This mode will turn off all audible tones or visual display changes normally provided by the oven control. **BAKE** is the only cooking features available while in the Sabbath mode.

You must first set the **BAKE** feature and the temperature(s) needed, the **COOK TIME** option if needed before setting the Sabbath mode. Any settings made prior to setting the Sabbath mode will be visible in the displays.

The Sabbath mode will override the factory preset 12 Hour Energy Saving mode and the appliance will stay on until the cooking features are cancelled. If any of the cooking features are cancelled when the appliance is in the Sabbath mode, no audible or visual indicators will be available to verify the cancellation.

If the oven interior lights are needed, be sure to activate them prior to setting the Sabbath mode. Once the oven light is turned ON and the Sabbath mode is active, the oven light will remain on until the Sabbath mode is turned off and the oven lights are turned off. The oven door will not activate the oven interior lights when the oven door is opened or closed.

It is recommended that any oven temperature modification made within an active Sabbath mode be followed with 2 presses of the **START** key. This will insure the oven remains ON even if an attempt is made to set the oven temperature outside of its temperature range. If the oven temperature is set outside of the temperature range, the oven will default to the nearest available temperature. Try to set the desired oven temperature again.

Should a power failure or interruption occur during the Sabbath/Holidays, the appliance will shut OFF. When power is restored the appliance will not turn back on automatically to the original BAKE feature settings. **SF** will appear in all the control display panels indicating a Sabbath mode failure. After a power failure, the food may be safely removed from the oven while still in the Sabbath mode.



For further assistance, guidelines for proper usage and a complete list of models with the Sabbath feature, please visit the web at <http://www.star-k.org>.

## Setting Sabbath Mode

The example below shows setting the oven to observe the Sabbath (and Jewish holidays).

1. Press **BAKE**.
2. Press **START**

Be sure to make any additional oven setting changes (Oven Light, Cook Time and/or Delay Start, Warm & Hold) before going to step 3.

3. To enter Sabbath mode, press and hold **simultaneously** both the **COOK TIME** and **DELAY START** keys together for 3 seconds (a beep will sound) and release.

Once properly set in Sabbath mode, SAb will show in the oven display until the Sabbath mode is cancelled.

### NOTE

You may press **STOP** any time when setting the control or during the cooking process.

## Cancelling Sabbath mode

The example below shows how to cancel the Sabbath mode.

1. Press and hold both the **COOK TIME** and **DELAY START** keys together for 3 seconds (a beep will sound) and release.
2. All cooking features previously set will automatically cancel once Sabbath mode has ended.

### NOTE

The only keys available once the appliance is set for the Sabbath mode are **BAKE**, **START**, **STOP** and the **numeric pads**.

You may change the oven temperature once baking has started (Jewish holidays only). Press **BAKE**, enter the oven temperature using the numeric keys and press **START twice**. Remember that **the oven control will no longer beep or display any further changes** once the oven is set in the Sabbath mode.

## User Preferences

### Setting Clock

See the example below to set the clock to 1:30.

1. Press .
2. Enter **1:30** to advance to 1:30.
3. Press **START** to accept or press **STOP** to reject.

### Setting 12 or 24 Hour Mode

The clock display mode allows you to choose between 12 and 24 hour mode. The factory preset clock display mode is 12 hour.

See the example below to change the default mode to 24 hour.

1. Press and hold  for 7 seconds until "12Hr dAy" or "24Hr dAy" appear in the display.
2. Press **SELF CLEAN** to switch between the 12 and 24 hour mode.
3. Press **START** to accept or press **STOP** to reject.

### Adjusting Oven Temperature User preference offset

Your appliance has been factory calibrated and tested to ensure an accurate baking temperature. For the first few uses, follow your recipe times and temperature recommendations carefully.

If you feel your oven is too hot or too cool from your baking experience, the oven temperature may be adjusted to your liking. The temperature may be increased up to +35°F (+19°C) or decreased down to -35°F (-19°C) from normal.

See the example below to increase the temperature.

1. Press and hold **BAKE** for 7 seconds until UPO appear in the display.
2. Enter the desired temperature change using the number pads. **SELF CLEAN** can be pressed to lower the temperature.
3. Press **START** to accept or press **STOP** to reject.

### Setting Silent Control Operation

The silent control operation allows you to control the audio for the oven control. You may turn the audio off and later return to operating with all the normal audible sounds and alerts.

See the example below when changing the audible settings.

1. Press and hold **DELAY START** for 7 seconds until BEEP appears in the display.
2. Press **SELF CLEAN** to switch between the On and Off mode.
3. Press **START** to accept or press **STOP** to reject.

### Changing Between F° or C°

Your control has the ability to display and set Fahrenheit or Celsius temperatures. The factory preset temperature display is Fahrenheit.

See the example below to change the default temperature display to Celsius.

1. Press and hold **BROIL** for 7 seconds until F or C appear in the display.
2. Press **SELF CLEAN** to switch between the F and C mode.
3. Press **START** to accept or press **STOP** to reject.

### Setting 12hr Energy Saving Mode

The oven control has a factory preset built-in 12 hour energy saving feature that will shut off the appliance if the oven has been heating for more than 11 hours and 59 minutes. The oven can be programmed to override this feature for continuous baking.

See the example below to turn off 12 hour energy saving mode.

1. Press and hold **TIMER** for 7 seconds until "12Hr OFF" or "StAy On" appear in the display.
2. Press **SELF CLEAN** to switch between the "12Hr OFF" (to enable the 12hr Energy Saving Mode) or "StAy On" (to disable the 12hr Energy Saving Mode).
3. Press **START** to accept or press **STOP** to reject.

### Restoring Factory Default Settings

When new, your appliance was set with predetermined oven control settings. Over time, the user may make changes to these default settings. The following features or functions have user options or adjustments that may have been changed from the factory default settings:

- 12 or 24 hour display mode
- Continuous bake or 12-Hour Energy Savings mode
- Silent or audible control
- Oven temperature display (Fahrenheit or Celsius)
- Oven temperature adjustments
- All stored recipes

Please be aware before restoring to factory default settings that ALL of the above user settings will be restored, including any oven temperature offset and any stored recipe information.

1. Press and hold the **7** numeric keypad until acceptance tone sounds (about 6 seconds).
2. Press **START**. The control will reset all user preference settings back to factory default settings.

## Self-Cleaning Cycle

### Before Starting Self-Clean

A self-cleaning oven cleans itself with high temperatures that are well above those used for normal cooking. The high cleaning temperature eliminates soils completely or reduces them to a fine powdered ash that you can later easily wipe away with a damp cloth.

Adhere to the following precautions when running the self-clean cycle:

- Allow the oven to cool before cleaning.
- Wear rubber gloves when cleaning any exterior parts of the oven manually.
- **Do not** use oven cleaners or protective coatings in or around the oven interior.
- **Do not** clean the oven door gasket. The woven material of the oven door gasket is essential for a good seal. Care should be taken not to rub, damage or remove the gasket. -Fig. 1-
- **Do not** use any cleaning materials on the door gasket. Leaving chemical residue can damage the door gasket.
- **Do not** force the oven door open. The automatic door locking system can be damaged.
- **Remove all utensils and any aluminum foil from the oven.** These items cannot withstand high cleaning temperatures.
- This oven comes with lubricated porcelain oven racks, which can remain in the oven during the self-clean cycle. Do not clean this vegetable oil lubrication off the racks. It is important that the sides of the oven racks always have a light coating of vegetable oil. To maintain optimal rack performance, re-apply a thin layer of vegetable oil to the sides of the rack after every self-clean cycle or when the rack becomes difficult to slide.
- **Remove any excessive spillovers** in the oven cavity **before** starting a self-clean cycle. To clean, use hot, soapy water and a cloth. Large spillovers can cause heavy smoke or fire when subjected to high temperatures.
- Clean any soil from the oven frame, the door liner outside the oven door gasket and the small area at the front center of the oven bottom with soap and water. These areas heat sufficiently to burn soil on.
- **Do not** allow food spills with a high sugar or acid content (such as milk, tomatoes, sauerkraut, fruit juices or pie filling) to remain on the porcelain surface, they may leave a dull spot even after cleaning.

### ⚠ WARNING

During the self-clean cycle, the outside of the appliance can become very hot to the touch. **DO NOT** leave small children unattended near the appliance.

### ⚠ CAUTION

- **DO NOT** line the oven walls, oven racks, bottom or any other part of the appliance with aluminum foil. Doing so will stop heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven).
- **DO NOT** force the oven door open. This can damage the automatic door locking system. Use caution when opening the door after the self-clean cycle is finished. The oven may still be **VERY HOT**.
- The health of some birds is extremely sensitive to the fumes given off during the self-cleaning cycle of any appliance. Move birds to another well-ventilated room.

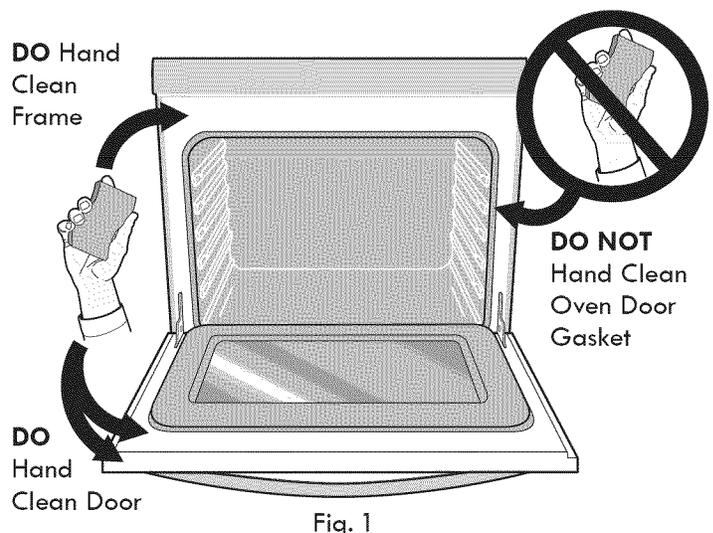


Fig. 1

### What to Expect during Cleaning

While the oven is in operation, the oven heats to temperatures much higher than those used in normal cooking. Sounds of metal expansion and contraction are normal. Odor is also normal as the food soil is being removed. Smoke may appear through the oven vent.

If heavy spillovers are not wiped up before cleaning, they may flame and cause more smoke and odor than usual. This is normal and safe and should not cause alarm. If available, use an exhaust fan during the self-cleaning cycle.

# Self-Cleaning Cycle

## Self Clean Cycle

The **SELF CLEAN** pad controls the Self-Cleaning feature. When used with a the Delay Start pad, a delayed Self-Cleaning cycle may also be programmed. The Flex Clean feature allows for any Self-Cleaning cycle time from 2 (2:00) to 4 hours (4:00). You may also choose the clean time in 1 minute increments (for example 2 hours and 50 minutes) by pressing the corresponding number keypads.

If you are planning to use the oven directly after a self-clean cycle remember to allow time for the oven to cool down and the oven door to unlock. This normally takes about one hour. So a 3 hour self-clean cycle will actually take about 4 hours to complete.

\*It is recommend to use a 2 hour self-clean cycle for **light soils**, a 3 hour cycle for **average soils**, and a 4 hour cycle for **heavy soils** (to assure satisfactory results).

**NOTE:** The kitchen area should be well ventilated using an open window, ventilation fan or exhaust hood during the Self-Clean cycle. This will help eliminate the normal odors associated with the Self-Clean cycle.

See example below to start an immediate Self-Cleaning cycle or to set a Delay Start time of 9:00 o'clock and shut-off automatically (example provided is a default 3 hour Self-Clean cycle)

1. Be sure the clock is set with the correct time of day, the oven is **EMPTY** and the oven door is closed.
2. Press **SELF CLEAN**.

The control will automatically clean for a 3 hour period (default self-cleaning cycle time). Note: If a 2 or 4 hour clean time is desired, press **2 0 0** for 2 hour or press **4 0 0** for a 4 hour clean time. Set the cleaning time based on the amount of soil: light, medium or heavy (\*See above).

3. Press **START**.

As soon as Self Clean becomes active, a motor driven lock mechanism will begin locking the oven door automatically. **DOOR** will appear in the display. Do not open the oven door when **DOOR** is displayed (allow 15 seconds for the lock mechanism to lock the oven). Once the oven door has locked, **CLn** will appear in the display, indicating Self Clean has started.

**Note:** Allow about 15 seconds for the oven door lock to close.

**Note: If the optional delay Self-Clean feature is needed, finish steps 4-6.**

4. Press **DELAY START**.
5. Enter the desired Self-Clean starting time using the number pads **9 0 0**.
6. Press **START**.

The control will calculate forward from the set start time to determine when the Self-Cleaning cycle should end. The Self-Cleaning cycle will turn on automatically at the set time.

### CAUTION

- To avoid possible burns use care when opening the oven door after the Self-Cleaning cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape.
- **DO NOT** force the oven door open. This can damage the automatic door locking system.
- Use caution and avoid possible burns when opening the door after the Self-Cleaning cycle has completed. The oven may still be **VERY HOT**.

### When the Self-Clean Cycle is Completed

1. The **CLn** message will turn off, and **Hot** will appear in display window.
2. Once the oven has cooled down (about 1 hour) and **Hot** is no longer displayed, the **door Opn** message will appear. When this message turns off, the oven door may be opened.

### Stopping or Interrupting a Self-Cleaning Cycle

If it becomes necessary to stop or interrupt a self-cleaning cycle due to excessive smoke or fire in the oven:

1. Press **STOP**.
2. Once the oven has cooled down for approximately 1 HOUR, and the **DOOR** icon is no longer displayed, the oven door can then be opened.

### IMPORTANT

- When Self Clean is active, you may check the amount of clean time remaining by pressing the Self Clean key once.
- If your clock is set with the (default) 12 hr display mode, the Delay Start for a Self Clean can only be programmed to start up to 11 hours and 59 minutes after the time showing in the display (be sure to set the clock to current time before programming a delay start). To set a Delay Start Self Clean to begin 12 or more hours (maximum is 23 hours and 59 minutes) after the time of setting, be sure to first set the control in the 24 Hr display mode.
- If Self Clean was active and then interrupted by a power failure or cancelled before the oven was thoroughly cleaned, it may be necessary to run another Self Clean cycle.
- If the oven temperature was high enough when Self Clean was interrupted, the oven control may not allow another Self Clean cycle to be set for up to 4 hours.

# Microwave General Care & Cleaning

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

## Exterior

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 splatters. 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**.

## Interior

Cleaning is easy because little 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 baking soda or a mild soap; rinse thoroughly with hot water. The rack can be cleaned with hot soapy water, rinsed and dried. **NEVER SPRAY OVEN CLEANERS DIRECTLY ONTO ANY PART OF THE MICROWAVE OVEN.**

## Waveguide Cover

The waveguide cover 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 splatters 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 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 oven until cool. Wipe interior with a soft cloth.

## Turntable/Turntable Support/Racks

The turntable, turntable support and racks can be removed for easy cleaning. Wash them in mild, sudsy water; for stubborn stains use a mild cleanser and a non-abrasive scouring sponge. They are also dishwasher-proof. Use top rack of dishwasher for turntable support.

Foods with high acidity, such as tomatoes or lemons, will cause the porcelain enamel turntable to discolor. Do not cook highly acidic foods directly on the turntable; if spills occur, wipe up immediately.

The turntable motor shaft is not sealed, so excess water or spills should not be allowed to stand in this area.

## Oven General Care & Cleaning

Before cleaning any part of the oven, be sure all controls are turned OFF and the oven is COOL. REMOVE SPILLOVERS AND HEAVY SOILING AS SOON AS POSSIBLE. REGULAR CLEANINGS NOW WILL REDUCE THE EXTENT AND DIFFICULTY OF MAJOR CLEANING LATER.

Surface Type	Cleaning Recommendation
Aluminum (trim pieces) & vinyl	Use hot, soapy water and a cloth. Dry with a clean cloth.
Painted and plastic control knobs Body parts, Painted decorative trim	For general cleaning, use hot, soapy water and a cloth. For more difficult soils and built-up grease, apply a liquid detergent directly onto the soil. Leave on soil for 30 to 60 minutes. Rinse with a damp cloth and dry. <b>Do not</b> use abrasive cleaners on any of these materials; they can scratch. To remove control knobs, turn to the OFF position; grasp firmly and pull straight off the shaft. To replace knobs after cleaning, line up the flat sides of both the knob and the shaft; then push the knob into place.
Chrome control panel (some models) Decorative trim (some models) Stainless steel (some models)	<p>Before cleaning the control panel, turn all controls to OFF and remove the control knobs. To remove, pull each knob straight off the shaft. Clean using hot, soapy water and a dishcloth. Rinse with a clean water using a dishcloth. Be sure to squeeze excess water from the cloth before wiping the panel; especially when wiping around the controls. Excess water in or around the controls may cause damage to the appliance. To replace knobs after cleaning, line up the flat sides of both the knob and the shaft; then push the knob into place.</p> <p><b>Stainless Steel</b> (some models). Clean the stainless with warm soapy water using a clean sponge or cloth. Rinse with clean water and dry with a soft clean cloth. <b>Do not</b> use harsh scrubbing cleaners. Only use kitchen cleaners that are especially made for cleaning Stainless Steel. Always be sure to rinse the cleaners from the surface as bluish stains may occur during heating that cannot be removed.</p>
Porcelain enamel broiler pan and insert (if equipped) Door liner & body parts	Gentle scouring with a soapy scouring pad will remove most spots. Rinse with a 1:1 solution of clear water and ammonia. If necessary, cover difficult spots with an ammonia-soaked paper towel for 30 to 40 minutes. Rinse with clean water and a damp cloth, and then scrub with a soap-filled scouring pad. Rinse and wipe dry with a clean cloth. Remove all cleaners or the porcelain may become damaged during future heating.
Oven racks	<p>This oven comes with lubricated porcelain oven racks, which can remain in the oven during the self-clean cycle. Do not clean this vegetable oil lubrication off the racks. It is important that the sides of the oven racks always have a light coating of vegetable oil. To maintain optimal rack performance, re-apply a thin layer of vegetable oil to the sides of the rack after every self-clean cycle or when the rack becomes difficult to slide.</p> <p>For some models with chrome oven racks, clean by using a mild, abrasive cleaner following manufacturer's instructions. Rinse with clean water and dry.</p>
Oven door	<p>Use soap &amp; water to thoroughly clean the top, sides and front of the oven door. Rinse well. You may use a glass cleaner on the outside glass of the oven door. <b>Do not</b> immerse the door in water. <b>Do not spray or allow water or the glass cleaner to enter the door vents.</b> Do not use oven cleaners, cleaning powders or any harsh abrasive cleaning materials on the outside of the oven door.</p> <p><b>Do not</b> clean the oven door gasket. The oven door gasket is made of a woven material, on Self-Cleaning models, which is essential for a good seal. Care should be taken not to rub, damage or remove this gasket.</p>

## Oven General Care & Cleaning (continued)

### REMOVING AND REPLACING THE LOWER OVEN DOOR

#### **CAUTION**

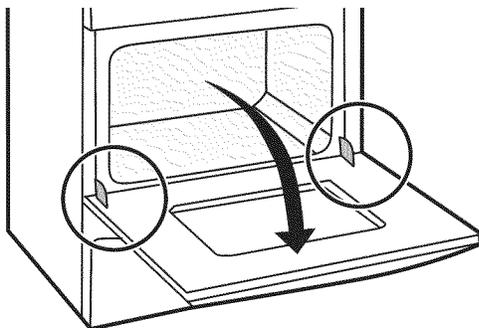
The oven door is heavy. Be careful when removing and lifting the door. Do not lift the oven door by the handle.

#### To Remove Oven Door:

1. Open oven door completely (horizontal with floor - See Figure 1).
2. Pull the door hinge locks on both left and right door hinges down from the oven frame completely towards the oven door (See Figure 2). A tool such as a small flat-blade screwdriver may be required.
3. Firmly grasp both sides of oven door along the door sides (Do not use the oven door handle - See Figure 3).
4. Close the door to the broil stop position (the oven door will stop into this position just before fully closing).
5. Lift the oven door hinge arms over the roller pins located on each side of the oven frame (See Figure 4).

#### To Replace Oven Door:

1. Firmly grasp both sides of oven door along the door sides (Do not use the oven door handle - See Figure 3).
2. Holding the oven door at the same angle as the removal position, seat the hook of the hinge arm onto the roller pins located on each side of the oven door frame (See Fig. 4). Also, seat the notch of the hinge arm onto the bottom of the slot at the same time you seat the hook. The hook and notch of the hinge arms must be fully seated onto the roller pins and bottom of the slot.
3. Fully open the oven door (horizontal with floor - See Figure 1).
4. Push the door hinge locks up towards and into the oven frame on both left and right oven door hinges (See Figure 2) to the locked position.
5. Close the oven door.



Door Hinge locations  
with oven door fully open

Figure 1

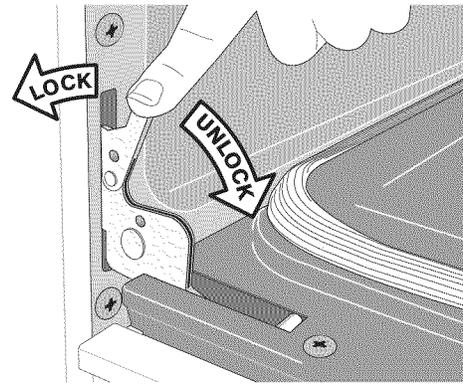


Figure 2

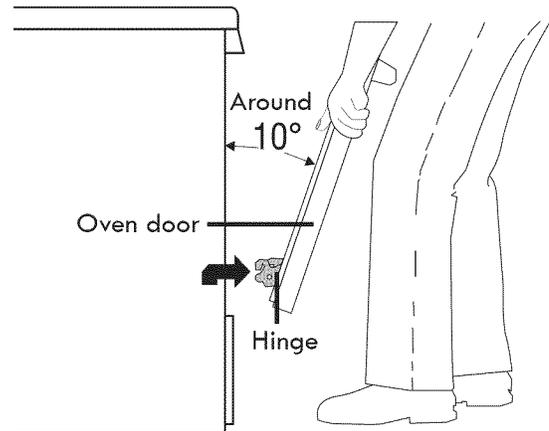


Figure 3

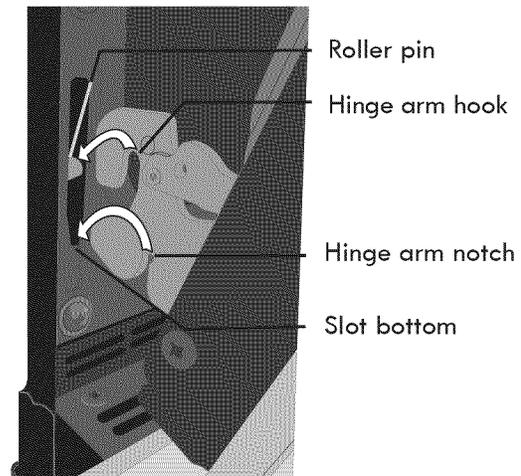


Figure 4

## Oven General Care & Cleaning (continued)

### SPECIAL DOOR CARE INSTRUCTIONS

#### IMPORTANT

Most oven doors contain glass that can break. Read the following recommendations:

- **Do not** close the oven door until all the interior oven racks are fully inserted and retracted to the back of the oven.
- Do not hit the glass with pots, pans, or any other object. The oven door glass may break or even break at a later time unexpectedly.
- Scratching, hitting, jarring or stressing the oven door glass may weaken its structure causing an increased risk of breakage at a later time.
- You may use a glass cleaner on the outside of the oven door glass. **Do not spray** or allow water or the cleaner to enter or drip down into the oven door vents. Spray cleaner on cloth first and then wipe the oven door clean.
- **Do not** use strong oven cleaners, powders or any harsh abrasive cleaning materials on the outside of the oven door or glass.
- **Never clean** the oven door gasket. The oven door gasket should always clean during the Self-clean cycle.

### CHANGING LOWER OVEN LIGHTS

#### CAUTION

- Be sure the appliance is unplugged and all parts are **COOL** before replacing oven light. Wear a leather-faced glove for protection against possible broken glass or burns.

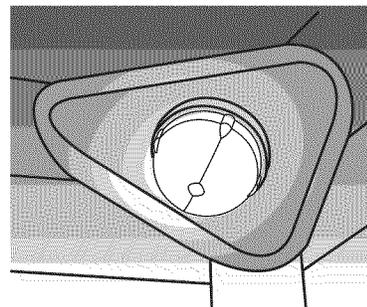
The oven light bulbs are located at the rear of the oven cavity and are covered with a glass shield. The glass shield must be in place whenever the oven is in use.

#### Replacing the lower oven interior light bulbs:

1. Turn electrical power off at the main source or unplug the appliance.
2. Remove lower oven interior light shield by turning a quarter turn counter-clockwise.
3. Replace bulb with a new **T-4 type 40 Watt Halogen** appliance bulb.

Please note: do not allow your fingers to touch the new bulb when replacing. This will shorten the life of the new bulb. Use a paper towel to cover the new bulb when installing.

4. Replace glass shield over bulb by rotating clockwise.
5. Turn power back on again at the main source (or plug the appliance back in).
6. The clock will then need to be reset.



Wall oven Halogen light

# Before You Call

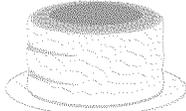
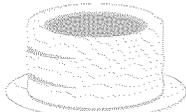
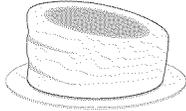
## Solutions to Common Problems

### OVEN BAKING

For best cooking results, heat the oven before baking cookies, breads, cakes, pies or pastries, etc. There is no need to preheat the oven for roasting meat or baking casseroles.

The cooking times and temperatures needed to bake a product may vary slightly from your previously owned appliance.

### Baking Problems and Solutions Chart

BAKING PROBLEMS	CAUSES	CORRECTIONS
<p><b>Cookies and biscuits burn on the bottom.</b></p> 	<ul style="list-style-type: none"> <li>• Cookies and biscuits put into the oven before the preheating time is completed.</li> <li>• Oven rack overcrowded.</li> <li>• Dark pan absorbs heat too fast.</li> </ul>	<ul style="list-style-type: none"> <li>• Allow oven to preheat to the selected temperature before placing food in oven.</li> <li>• Choose pan sizes that will permit 5.1cm to 10.2cm (2" to 4") of air space on all sides when placed in the oven.</li> <li>• Use a medium-weight aluminum baking sheet.</li> </ul>
<p><b>Cakes too dark on top or bottom.</b></p> 	<ul style="list-style-type: none"> <li>• Cakes put into the oven before preheating time is completed.</li> <li>• Rack position too high or low.</li> <li>• Oven too hot.</li> </ul>	<ul style="list-style-type: none"> <li>• Allow oven to preheat to the selected temperature before placing food in the oven.</li> <li>• Use proper rack position for baking needs.</li> <li>• Set oven temperature 25°F/12°C lower than recommended.</li> </ul>
<p><b>Cakes not done in the center.</b></p> 	<ul style="list-style-type: none"> <li>• Oven too hot.</li> <li>• Incorrect pan size.</li> <li>• Pan not centered in oven.</li> </ul>	<ul style="list-style-type: none"> <li>• Set oven temperature 25°F/12°C lower than recommended.</li> <li>• Use pan size suggested in recipe.</li> <li>• Use proper rack position and place pan so there is 5.1cm to 10.2cm (2" to 4") of space on all sides of pan.</li> </ul>
<p><b>Cakes not level.</b></p> 	<ul style="list-style-type: none"> <li>• Range not level.</li> <li>• Pan too close to oven wall or rack overcrowded.</li> <li>• Pan warped.</li> </ul>	<ul style="list-style-type: none"> <li>• Place a marked glass measuring cup filled with water on the center of the oven rack. If the water level is uneven, refer to the installation instructions for leveling the range.</li> <li>• Be sure to allow 5.1cm to 10.2cm (2" to 4") of clearance on all sides of each pan in the oven.</li> <li>• Do not use pans that are dented or warped.</li> </ul>
<p><b>Foods not done when cooking time is up.</b></p> 	<ul style="list-style-type: none"> <li>• Oven too cool.</li> <li>• Oven overcrowded.</li> <li>• Oven door opened too frequently.</li> </ul>	<ul style="list-style-type: none"> <li>• Set oven temperature 25°F/12°C higher than suggested and bake for the recommended time.</li> <li>• Be sure to remove all pans from the oven except the ones to be used for baking.</li> <li>• Open oven door only after shortest recommended baking time.</li> </ul>

## Before You Call (continued)

### Solutions to Common Problems

Before you call for service, review this list. It may save you time and expense. The list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

OCCURRENCE	POSSIBLE CAUSE/SOLUTION
<b>Microwave Oven</b>	
Control pads for Sensor Cooking, One-Touch Cooking, and Defrost will not operate.	<ul style="list-style-type: none"><li>The oven door was opened and closed without initiating a cooking cycle within three minutes. Touch <b>Stop</b> to resume normal pad operation.</li></ul>
Microwave oven light does not come on. Cooling fan does not work. Turntable does not rotate. Water in a cup in microwave does not warm.	<ul style="list-style-type: none"><li>If one of those situation appear please check the electrical outlet, fuse and/or circuit breaker. If they are functioning properly, contact Sears Part &amp; Repair. A microwave oven should never be serviced by a "do-it-yourself" repair person.</li></ul>
A fan always comes on when I use my microwave oven	<ul style="list-style-type: none"><li>This is normal. This appliance is equipped with a blower which keeps all internal components at a cool temperature. The blower may keep running even if the oven has been turned off, until the components have cooled down.</li></ul>
<b>Lower Oven</b>	
Faulty Installation	<ul style="list-style-type: none"><li>Place oven rack in center of oven. Place a level on the oven rack. Contact installing agent if rack and cabinet cutout flooring are not level.</li><li>Kitchen cabinet misalignment may make oven appear to be not level. Be sure cabinets are square and level. Contact cabinet maker to correct problem.</li></ul>
Entire appliance does not operate	<ul style="list-style-type: none"><li>The time of day is not set. The time of day <b>must</b> first be set in order to operate the oven. See "Setting clock at power up" in the <b>Getting Started</b> section.</li><li>Be sure electrical cord is securely connected into the electrical junction box.</li><li>Cord/plug is not installed and/or connected. Cord is not supplied with oven. Contact your dealer, installing agent or authorized servicer.</li><li>Service wiring is not complete. Contact your dealer, installing agent or authorized service agent.</li><li>Electrical power outage. Check house lights to be sure. Call your local electric company for service.</li><li>Short in cord/plug. Replace cord/plug.</li><li>Controls are not set properly. See instructions to set the controls.</li><li>House fuse has blown or circuit breaker has tripped immediately following installation.</li><li>House fuse may not be fully engaged. Check fuse and screw or engage circuit breaker securely.</li></ul>
Oven does not operate	<ul style="list-style-type: none"><li>Be sure the oven controls are set properly for the desired cooking feature. See <b>Dual Convection Lower Oven Operating Instructions</b> in this Use &amp; Care Guide or read the instructions "<b>Entire appliance does not operate</b>" in this checklist.</li></ul>
Oven light does not work	<ul style="list-style-type: none"><li>Replace or tighten bulb. See <b>Changing Lower Oven Light</b> section in this Use &amp; Care Guide.</li><li>Electrical power outage. Check house lights to be sure. Call your local electric company for service.</li></ul>
Self-cleaning cycle does not work	<ul style="list-style-type: none"><li>Make sure the oven door is closed.</li><li>Make sure you have removed the oven racks and the oven rack supports from the oven.</li><li>Controls not set properly. Follow instructions under "Dual Convection Lower Oven Self-Cleaning Cycle".</li></ul>

## Before You Call (continued)

### Solutions to Common Problems

OCCURRENCE	POSSIBLE CAUSE/SOLUTION
Flames inside oven or smoking from oven vent	<ul style="list-style-type: none"><li>Excessive spillovers in oven. For example this will happen for pie spillovers or large amounts of grease left on the oven bottom. Wipe up excessive spillovers before starting oven. If flames or excessive smoke are present see "Broil" in the <b>Dual Convection Lower Oven Operating Instructions</b> section.</li></ul>
<b>Lower Oven</b>	
Soil not completely removed after self-cleaning cycle is completed	<ul style="list-style-type: none"><li>Failure to clean bottom, from top of oven, frame of oven or door area outside oven seal. These areas are not in the self-cleaning area, but get hot enough to burn on residue. Clean these areas before the self-cleaning cycle is started. Burned on residue can be cleaned with a stiff nylon brush and water or a nylon scrubber. Be careful not to damage the oven gasket.</li><li>Excessive spillovers in oven. Set the self-clean cycle for longer cleaning time.</li></ul>
Oven smokes excessively during broiling	<ul style="list-style-type: none"><li>Control not set properly. Follow broiling instructions under <b>Dual Convection Lower Oven Operating Instructions</b>.</li><li>Meat too close to the broil element. Reposition the broil rack to provide proper clearance between the meat &amp; the element. Preheat the broil element for searing.</li><li>Meat not properly prepared. Remove excess fat from meat. Cut remaining fatty edges to prevent curling, but do not cut into lean.</li><li>Insert on broiler pan wrong side up &amp; grease not draining. Always place grid on the broiler pan with ribs up &amp; slots down to allow grease to drip into pan (some models).</li><li>Grease has built up on oven surfaces. Regular cleaning is necessary when broiling frequently. Old grease or food spatters cause excessive smoking.</li></ul>
Oven control panel beeps & displays any F code error (for example F10)	<ul style="list-style-type: none"><li>Oven control has detected a fault or error condition. Press <b>STOP</b> to clear the display &amp; stop beeping. Try the bake or broil feature again. If the F code error repeats, remove power supply to appliance, wait 5 minutes and then repower the appliance and set clock for the time of day. Try the bake or broil feature again. If the fault recurs, record fault and call for service.</li></ul>
Poor baking results	<ul style="list-style-type: none"><li>Many factors affect baking results. Make sure the proper oven rack position is used. Center food in the oven and space pans to allow air to circulate. Allow the oven to preheat to the set temperature before placing food in the oven. Try adjusting the recipe's recommended temperature or baking time. If you feel the oven is too hot or cool, see "Adjusting Oven Temperature" in the <b>User Preferences</b> section of this Use &amp; Care Guide.</li></ul>

## Notes

# PROTECTION AGREEMENTS

## Master Protection Agreements

*Congratulations on making a smart purchase. Your new Kenmore® product is designed and manufactured for years of dependable operation. But like all products, it may require preventive maintenance or repair from time to time. That's when having a Master Protection Agreement can save you money and aggravation.*

The Master Protection Agreement also helps extend the life of your new product. Here's what the Agreement\* includes:

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- ☑ **Expert service** by a force of more than **10,000 authorized Sears service technicians**, which means someone you can trust will be working on your product.
- ☑ **Unlimited service calls and nationwide service**, as often as you want us, whenever you want us.
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- ☑ **Annual Preventive Maintenance Check** at your request – no extra charge.
- ☑ **Fast help by phone** – we call it **Rapid Resolution** – phone support from a Sears representative on all products. Think of us as a «talking owner's manual».
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**\* Coverage in Canada varies on some items. For full details call Sears Canada at 1-800-361-6665.**

## Sears Installation Service

*For Sears professional installation of home appliances, garage door openers, water heaters, and other major home items, in the U.S.A. or Canada call **1-800-4-MY-HOME**®.*

## Acuerdos maestros de protección

*Enhorabuena por haber hecho una compra inteligente. Su nuevo producto Kenmore® está diseñado y fabricado para brindarle años de funcionamiento fiable. Pero, como cualquier producto, puede necesitar mantenimiento preventivo o reparaciones periódicas. Es por eso que tener un Acuerdo maestro de protección podría ahorrarle dinero y molestias.*

El Acuerdo maestro de protección también sirve para prolongar la durabilidad de su nuevo producto. El acuerdo\* incluye lo siguiente:

- ☑ **Piezas y mano de obra** necesarias para contribuir a mantener el funcionamiento adecuado de los productos **utilizados en condiciones normales de uso**, no sólo en caso de defectos de los productos. Nuestra cobertura va **mucho más allá que la garantía del producto**. No se aplican deducibles ni exclusiones por fallas del funcionamiento: es decir, **verdadera protección**.
- ☑ **Servicio técnico por expertos** (más de **10000 técnicos autorizados de Sears**), lo cual significa que quien repare o realice el mantenimiento de su producto será un profesional de confianza.
- ☑ **Servicio técnico a escala nacional y número ilimitado de llamadas de solicitud de servicio técnico**: se puede poner en contacto con nosotros cuantas veces lo desee y cuando lo desee.
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- ☑ **Reemplazo del producto**: en caso de que no se pueda reparar el producto cubierto por el acuerdo.
- ☑ **Revisión anual preventiva de mantenimiento del producto**: puede solicitarla en cualquier momento, sin costo alguno.
- ☑ **Rápida asistencia telefónica**, la cual denominamos **Solución rápida**: es decir, asistencia telefónica a través de cualquiera de nuestros representantes de Sears, sobre cualquiera de nuestros productos. Piense en nosotros como en un «manual parlante del usuario».
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- ☑ **Devolución de gastos de alquiler de electrodomésticos** si la reparación de su producto asegurado toma más que el tiempo prometido.
- ☑ **10% de descuento** aplicable tanto a los costos del servicio de reparación, como de las piezas instaladas relacionadas que no hayan quedado cubiertos por este acuerdo.

Una vez que haya realizado el pago de este acuerdo, bastará una simple llamada telefónica para concertar una visita de servicio. Puede llamar a cualquier hora del día o de la noche, o bien concertar una visita de servicio por Internet.

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**Algunas limitaciones y exclusiones podrían aplicarse. Para solicitar precios e información adicional, llame al 1-800-827-6655 (en los EE.UU.).**

**\* La cobertura en Canadá varía en el caso de algunos artículos. Para obtener detalles completos al respecto, llame al 1-800-361-6665 de Sears de Canadá.**

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The Sears logo, featuring the word "sears" in a lowercase, serif font with a distinctive dot over the 's'.