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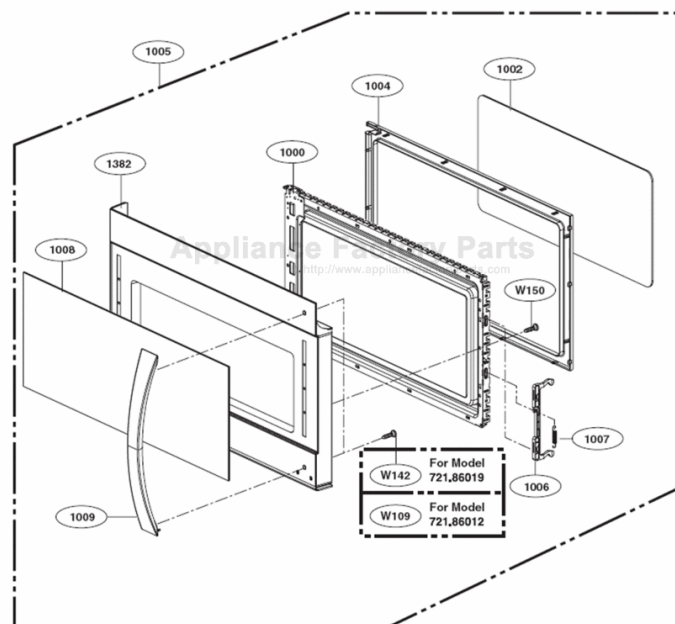


Kenmore 86019 Owner's Manual

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DOOR PARTS (I)

MODEL: 721.86012010
721.86019010



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----- Manual continues below -----

Use & Care Guide
Manual de Uso y Cuidado

English / Español

Models/Modelos: 721.86012, 86013, 86019

Kenmore Elite®

Microwave Hood Combination

Combinación Microondas Campana

P/No.: MFL57601504
Sears Brands Management Corporation
Hoffman Estates, IL 60179 U.S.A.

www.kenmore.com
www.sears.com



Table Of Contents

Warranty	2
Protection Agreements	3
Safety	4
Overview	7
How Your Microwave Hood Combination Works.....	7
Radio Interference	7
Testing Your Microwave Oven.....	7
Testing Your Dinnerware Or Cookware.....	8
Operating Safety Precautions	8
Electrical Connection	8
Microwave Oven Features	9
Control Panel Features	10-11
How To Use	12
Audible Signals.....	12
Clock.....	12
Interrupting Cooking	12
Control Lock.....	12
Kitchen Timer	12
Vent.....	13
Cooktop Light.....	13
Light Timer	13
Add 30 Sec.	14
Timed Cooking.....	14
Two-Stage Cooking	14
Microwave Power Levels	15
Turntable On/Off	16
Option.....	16
Favorite	16
Melt/Soften	17
Auto Defrost	18-21
Sensor Operating Instructions	22
Cook Sensor Guide	22
Popcorn Sensor	22
Cook Sensor/Reheat Sensor	22
Cook Sensor Table/Reheat Sensor Table	23
Auto Cook/Auto Cook Table	24
Warm & Hold	25
Tips For Convection Cooking.....	25
Convection	26
Convection Baking Guidelines	27-28
Meat Roasting Guidelines For Convection Cooking ...	29
Tips For Combination Cooking.....	30
Combination Roast.....	30
Speed Cook/Speed Cook Chart.....	31
Combination Roast Cooking Guide	32
Combination Bake Cooking Guide	33
Heating/Reheating Guide.....	34
Fresh Vegetable Guide.....	35
Care And Cleaning	36
Replacing The Cooktop And Oven Lights.....	37
Caring For The Filters	38
Cooking Tips.....	39-43
Questions And Answers	44
Troubleshooting.....	45-46
Service	Back Cover

Microwave Hood Combination Warranty

One-Year Limited Warranty

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

Five-Year Limited Warranty on the Magnetron

For five years from the date of purchase, if the magnetron in this microwave oven fails due to a defect in material or workmanship, Sears will replace the magnetron. Safety regulations require the magnetron to be installed by Sears. After the first year, the customer assumes any labor costs associated with magnetron replacement.

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

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

1. Expendable items that can wear out from normal use, including but not limited to filters, belts, light bulbs, and bags.
2. A service technician to instruct the user in correct product installation, operation, or maintenance.
3. A service technician to clean or maintain this product.
4. Damage to or failure of this product if it is not installed, operated, or maintained according to all instructions supplied with the product.
5. Damage to or failure of this product resulting from accident, abuse, misuse, or use for other than its intended purpose.
6. 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.
7. 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 limitations 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 and Canada.

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

Sears, Roebuck and Co., Hoffman Estates, IL 60179
Sears Canada Inc., Toronto, Ontario, Canada M5B 2B8

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:

- **Parts and labor** needed to help keep products operating properly **under normal use**, not just defects. Our coverage goes **well beyond the product warranty**. No deductibles, no functional failure excluded from coverage – **real protection**.
- **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.
- **"No-lemon" guarantee** – replacement of your covered product if four or more product failures occur within twelve months.
- **Product replacement** if your covered product can't be fixed.
- **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."
- Power surge protection against electrical damage due to power fluctuations.
- **\$250 Food Loss Protection** annually for any food spoilage that is the result of mechanical failure of any covered refrigerator or freezer.
- **Rental reimbursement** if repair of your covered product takes longer than promised.
- **10% discount** off the regular price of any non-covered repair service and related installed parts.

Once you purchase the Agreement, a simple phone call is all that it takes for you to schedule service. You can call anytime day or night, or schedule a service appointment online.

The Master Protection Agreement is a risk-free purchase. If you cancel for any reason during the product warranty period, we will provide a full refund or a prorated refund anytime after the product warranty period expires. Purchase your Master Protection Agreement today!

Some limitations and exclusions apply.

For prices and additional information in the U.S.A., call 1-800-827-6655.

*** 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®**.

Product Record

In the space at right, record the date of purchase, model, and serial number of your product. You will find the model and serial number printed on an identification plate located inside the oven door. Have these items of information available whenever you contact Sears concerning your product.

Model No. _____

Date of Purchase _____

Serial No. _____

Save these instructions and your sales receipt for future reference.

Microwave Oven Safety

Your safety and the safety of others is very important.

We have provided many important safety messages in this manual and on your microwave oven. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to hazards that can kill or hurt you and others.

All safety messages will be preceded by the safety alert symbol and the word "DANGER" or "WARNING." These words mean:

 **DANGER**

You will be killed or seriously injured if you do not follow instructions.

 **WARNING**

You can be killed or seriously injured if you do not follow these instructions.

All safety messages will identify the hazard, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

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

⚠ WARNING: To reduce the risk of burns, electric shock, fire, injury to persons, or exposure to excessive microwave energy:

- Read all instructions before using the microwave oven.
- Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found in this section.
- The microwave oven must be grounded. Connect only to a properly grounded outlet. See "GROUNDING INSTRUCTIONS" found at the end of this section.
- Install or locate the microwave oven only in accordance with the provided installation instructions.
- Some products such as whole eggs in the shell and sealed containers, such as closed jars, can explode and should not be heated in the microwave oven.
- Use the microwave oven only for its intended use as described in this manual.
- Do not use corrosive chemicals or vapors in the microwave oven. 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.
- Do not operate the microwave oven if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

- The microwave oven should be serviced only by qualified service personnel. Call an authorized service company for examination, repair, or adjustment.
- See door surface cleaning instructions in the “Care and Cleaning” section.
- To reduce the risk of fire in the oven cavity:
 - Do not overcook food. Carefully attend to the microwave oven when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - Remove wire twist-ties from paper or plastic bags before placing bags in oven.
 - If materials inside the oven ignite, keep the oven door closed, turn the oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
 - Do not use the oven cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the oven cavity when not in use.
- This Microwave Oven is suitable for use above both gas and electric cooking equipment.
- This Microwave Oven is intended to be used above ranges with a maximum width of 36 inches (91 cm).
- Clean Ventilating Hoods frequently - grease should not be allowed to accumulate on the hood or filter.
- When flaming foods under the hood, turn the fan on.
- Use care when cleaning the vent-hood filter. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the filter.
- Oversized foods or oversized metal utensils should not be inserted in the microwave oven as they may start a fire or create risk of electric shock.
- Do not clean with metal scouring pads. Pieces can break off the pad and touch electrical parts causing a risk of electric shock.
- Do not store anything directly on top of the microwave oven when the microwave oven is in operation.
- Do not cover or block any openings on the microwave oven.
- Do not store this microwave oven outdoors.
- Do not use the microwave oven near water - for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar location.
- Do not immerse the cord or plug in water.
- Keep the cord away from heated surfaces.
- Do not let the cord hang over the edge of a table or counter.
- Do not mount the oven over a sink.
- Do not cover the racks or any other part of the oven with metal foil. Doing so will cause the oven to overheat.
- Liquids such as water, coffee, or tea can be overheated beyond the boiling point without appearing to be boiling, due to surface tension of the liquid. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. **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:
 - 1) Do not overheat the liquid.
 - 2) Stir the liquid before and halfway through heating it.
 - 3) Do not use straight-sided containers with narrow necks.
 - 4) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
 - 5) Use extreme caution when inserting a spoon or other utensil into the container.

SAVE THESE INSTRUCTIONS

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) Do not attempt to operate this oven with the door open. Doing so can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door, or allow soil or cleanser residue to accumulate on sealing surfaces.

(c) Do not operate the oven if it is damaged. It is particularly important that the oven door closes properly and that there is no damage to the:

- (1) Door (bent)
- (2) Hinges and latches (broken or loosened)
- (3) Door seals and sealing surfaces

(d) The oven should not be adjusted or repaired by anyone except for a properly qualified service technician.


ELECTRICAL REQUIREMENTS

Observe all governing codes and ordinances. A 120-Volt, 60-Hz, AC-only, 20-amp fused electrical supply is required. A time delay fuse is recommended. It is recommended that a separate circuit, serving only this appliance, be provided.

! DANGER

Electrical Shock Hazard

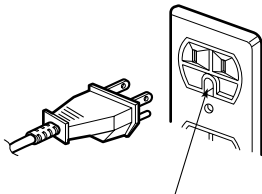
Plug into a grounded 3-prong outlet. Do not remove ground prong. Do not use an adapter. Do not use an extension cord. Failure to follow these instructions can result in electrical shock, fire, or death.



GROUNDING INSTRUCTIONS

For all cord-connected appliances:

The microwave oven must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. The microwave oven is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.



Ensure proper ground exists before use

! WARNING: Improper grounding can result in a risk of electric shock. Consult a qualified electrician or service technician if you do not understand the grounding instructions or if doubt exists whether the appliance is properly grounded. Do not use an extension cord. If the power supply cord is too short, have a qualified electrician or service technician install an outlet near the microwave oven.

• **For a permanently connected appliance:** This appliance has a short power supply cord to reduce the risk of anyone tripping over or becoming entangled in the cord. The microwave oven must be connected to a grounded, metallic, permanent wiring system, or an equipment grounding conductor should be run with the circuit conductors and connected to the equipment grounding terminal or lead on the microwave oven.

SAVE THESE INSTRUCTIONS

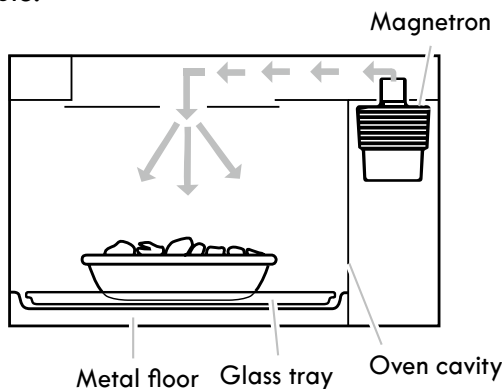
Overview

This section discusses the concepts behind microwave cooking. It also discusses the basic information you need to know to operate your microwave oven. Please read this information before you use your oven.

HOW YOUR MICROWAVE HOOD COMBINATION WORKS

Microwave energy is not hot. It causes food to make its own heat, and it is this heat that cooks the food. Microwaves are like TV waves, radio waves, or light waves. You cannot see them, but you can see what they do.

A **magnetron** in the microwave oven produces microwaves. The microwaves move into the oven where they contact food as it turns on the turntable.



The **glass turntable** of your microwave oven lets microwaves pass through. Then they bounce off a metal floor, back through the glass turntable, and are absorbed by the food.

Microwaves pass through most glass, paper, and plastics without heating them so food absorbs the energy. Microwaves bounce off metal containers so food does not absorb the energy.

Sensor Cooking

The Microwave System features Sensor Cooking functions. A humidity sensor in the oven cavity detects moisture and humidity emitted from food as it heats. The sensor adjusts cooking times to various types and amounts of food. Sensor cooking takes the guess work out of microwave cooking.

For the best cooking results

- **Always cook food** for the shortest cooking time recommended. Check to see how the food is cooking.
- **Stir, turn over, or rearrange** the food being cooked about halfway through the cooking time for all recipes. This will help make sure the food is evenly cooked.
- **If you do not have a cover for a dish**, use wax paper, or microwave-approved paper towels or plastic wrap. Remember to turn back a corner of the plastic wrap to vent steam during cooking
- **Always** remove the cooking rack from the oven when the rack is not in use.

RADIO INTERFERENCE

Using your microwave oven may cause interference to your radio, TV, or similar equipment. When there is interference, you can reduce it or remove it by:

- **Cleaning** the door and sealing surfaces of the oven.
- **Adjusting** the receiving antenna of the radio or television.
- **Moving** the receiver away from the microwave oven.
- **Plugging** the microwave oven into a different outlet so that the microwave oven and receiver are on different branch circuits.

TESTING YOUR MICROWAVE OVEN

To test the oven, put approximately 1 cup of cold water in a glass container in the oven. Close the door. Cook at 100% power for 1 minute. When the time is up, the water should be heated.

TESTING YOUR DINNERWARE OR COOKWARE

Test dinnerware or cookware before using. To test a dish for safe use, put it into the oven with a cup of water beside it. Cook at 100% cook power for one minute.

If the dish gets hot, do not use it. Some dishes (melamine, some ceramic dinnerware, etc.) absorb

microwave energy, becoming too hot to handle and slowing cooking time. Cooking in metal containers not designed for microwave use could damage the oven, as could containers with hidden metal (twist-ties, foil lining, staples, metallic glaze or trim).

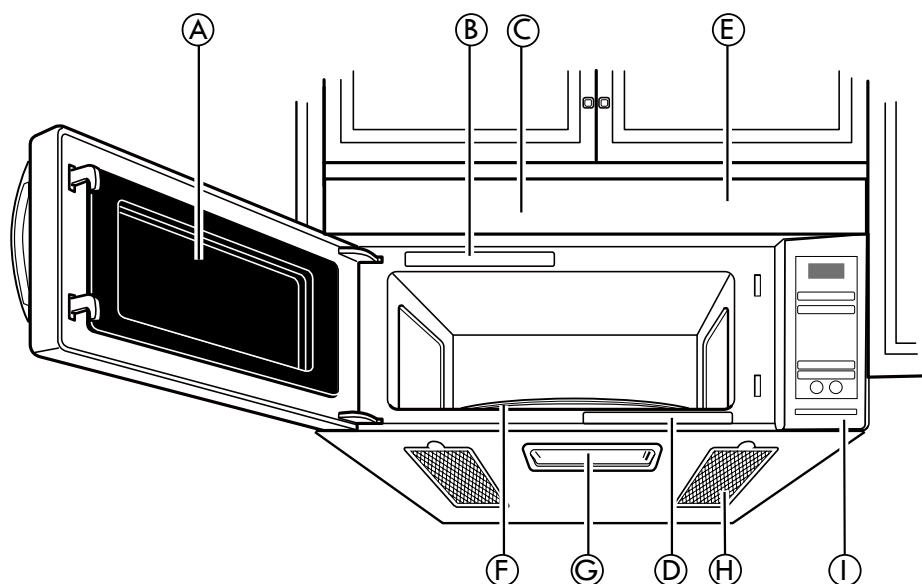
OPERATING SAFETY PRECAUTIONS

- **Never** lean on the door or allow a child to swing on it when the door is open.
- **Use hot pads.** Microwave energy does not heat containers, but the heat from the food can make the container hot.
- **Do not** use newspaper or other printed paper in the oven.
- **Do not** dry flowers, fruit, herbs, wood, paper, gourds, or clothes in the oven.
- **Do not** start a microwave oven when it is empty. Product life may be shortened. If you practice programming the oven, **put** a container of water in the oven. It is normal for the oven door to look wavy after the oven has been running for a while.
- **Do not** try to melt paraffin wax in the oven. Paraffin wax will not melt in a microwave oven because it allows microwaves to pass through it.
- Do not operate the microwave oven unless the glass turntable is securely in place and can move freely. The turntable can move in either direction. Make sure the **turntable is correct-side up** in the oven. **Handle your turntable with care** when removing it from the oven to avoid possibly breaking it. If your turntable cracks or breaks, contact your dealer for a replacement.
- **When you use a browning dish**, the browning dish bottom must be at least 3/16 inch above the turntable. Follow the directions supplied with the browning dish.
- **Never cook or reheat a whole egg inside the shell.** Steam buildup in whole eggs may cause them to burst, and possibly damage the oven. Slice hard-boiled eggs before heating. In rare cases, poached eggs have been known to explode. Cover poached eggs and allow a standing time of one minute before cutting into them.
- **For best results, stir any liquid several times during heating or reheating.** Liquids heated in certain containers (especially containers shaped like cylinders) may become overheated. The liquid may splash out with a loud noise during or after heating or when adding ingredients (coffee granules, tea bags, etc.). This can harm the oven.
- **Microwaves** may not reach the center of a roast. The heat spreads to the center, from the outside, cooked areas just as in regular oven cooking. This is one of the reasons for letting some foods (for example, roasts or baked potatoes) stand for a while after cooking, or for stirring some foods during the cooking time.
- **Do not deep fry in the oven.** Microwavable utensils are not suitable and it is difficult to maintain appropriate deep-frying temperatures.
- **Do not overcook potatoes.** At the end of the recommended cooking time, potatoes should be slightly firm because they will continue cooking during standing time. **After microwaving**, let potatoes stand for 5 minutes. They will finish cooking while standing.

ELECTRICAL CONNECTION

If your electric power line or outlet voltage is less than 110 volts, cooking times may be longer. Have a qualified electrician check your electrical system

MICROWAVE OVEN FEATURES



Your microwave oven is designed to make your cooking experience as enjoyable and productive as possible. To get you up and running quickly, the following is a list of the oven's basic features:

- A. Metal Shielded Window.** The shield prevents microwaves from escaping. It is designed as a screen to allow you to view food as it cooks.
- B. Model and Serial Number Plate**
- C. Charcoal Filter** (behind Vent Grille)

D. Cooking Guide Label

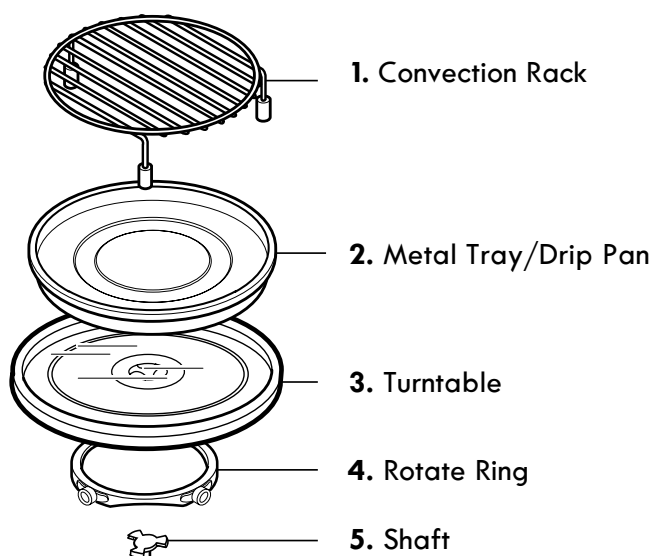
E. Vent Grille

F. Glass tray. The glass tray moves food as it cooks for more even cooking. It must be in the oven during operation for best cooking results.

G. Cooktop Light

H. Grease Filter. See "Caring for the Filters" section.

I. Control Panel. Touch the pads on this panel to perform all functions.



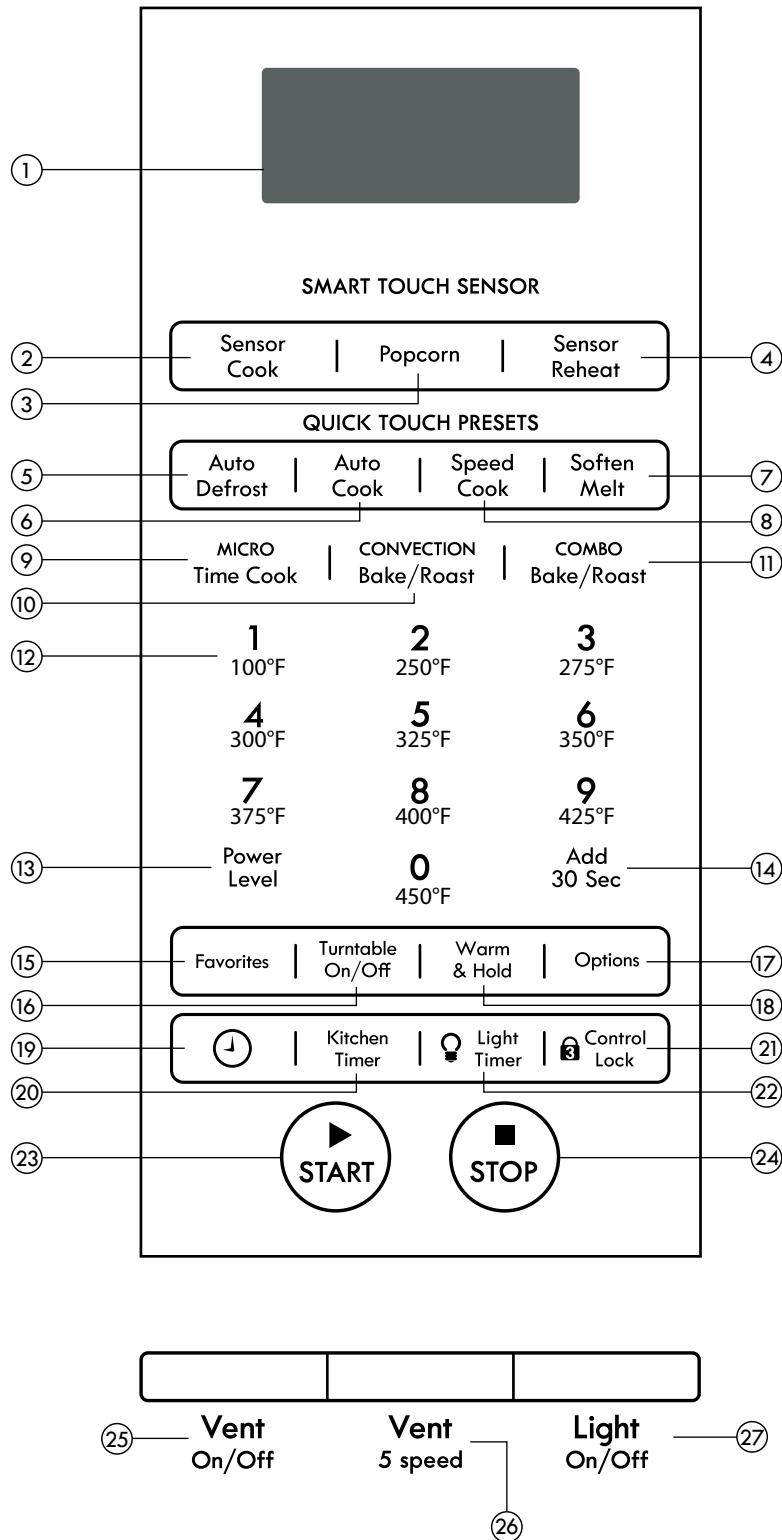
The turntable rotates in both directions to help food cook more evenly. Do not operate the microwave oven without the glass tray in place.

To Install:

1. Place the support on the oven cavity bottom.
2. Place the glass tray on the support. Fit the raised, hollowed groove on the bottom of the glass tray between the rollers of the hub. The rollers on the support should fit inside the ridge on the bottom of the glass tray.

CONTROL PANEL FEATURES

Your microwave oven control panel lets you select the desired cooking function quickly and easily. If Micro, Conv, Combi pad is not selected, it automatically defaults to micro. All you have to do is touch the necessary Command Pad. The following is a list of all the Command and Number Pads located on the control panel. **For more information on these features, see the “How to Use” section.**



1. **Display.** The Display includes a clock and indicators to tell you time of day, cooking time settings and cooking functions selected.
2. **Sensor Cook.** Touch this pad to cook baked potato, frozen vegetable, fresh vegetable, canned vegetable, frozen entree and rice. The oven's sensor will tell the oven how long to cook depending on the amount of humidity coming from the food.
3. **Popcorn.** Touch this pad when popping popcorn in your microwave oven. The oven's sensor will tell the oven how long to cook depending on the amount of humidity it detects from the popcorn.
4. **Sensor Reheat.** Touch this pad to reheat casserole, dinner plate, pizza slice and soup/sauce. The oven's sensor will tell the oven how long to cook depending on the amount of humidity coming from the food.
5. **Auto Defrost.** Touch this pad to select food type and defrost food by weight.
6. **Auto Cook.** Touch this pad to cook Bacon, Fresh Roll & Muffin, Frozen Roll & Muffin, Beverage, Chicken Pieces, Hot Cereal.
7. **Soften/Melt.**
Soften. Touch this pad to soften Butter, Ice Cream, Cream Cheese or Frozen Juice.
Melt. Touch this pad to melt Butter or Margarine, Chocolate or Cheese.
8. **Speed Cook.** Touch this pad when setting weight combination cooking.
9. **Micro.** Touch this pad when setting Microwave cooking.
10. **Convection.** Touch this pad when setting Convection cooking.
11. **Combo.** Touch this pad when setting combination cooking or preheat.
12. **Number.** Touch number pads to enter cooking time, power level, quantities, weights, or cooking temperature.
13. **Power Level.** Touch this pad to select a cooking power level.
14. **Add 30 Sec.** Touch this pad to set and start quickly at 100% power level.
15. **Favorites.** Touch this pad to recall a cooking instruction previously programmed into memory.
16. **Turntable On/Off.** Touch this pad to turn off the turntable. OFF will appear in the display. NOTE: This option is not available in cook sensor and defrost modes.
17. **Options.** Touch this pad to change the oven's default settings for sound, clock, display speed and defrost weight.
18. **Warm & Hold.** Touch this pad to keep hot, cooked foods safely warm in your oven for up to 90 minutes.
19. **Clock.** Touch this pad to enter the time of day.
20. **Kitchen Timer.** Touch this pad to set the kitchen timer.
21. **Control Lock.** Touch and hold this pad for three seconds to lock the control panel.
22. **Light Timer.** Touch this pad to set the light timer.
23. **Start.** Touch this pad to start a function or enter all entries. If you open the door after oven begins to cook, touch START again.
24. **Stop.** Touch this pad to stop the oven or to clear all entries.
25. **Vent On/Off.** Touch this pad to turn the fan on/off.
26. **Vent 5 Speed.** Touch this pad to choose one of five fan speeds.
27. **Light On/Off.** Touch this pad to turn on the cooktop/countertop light.

How To Use

This section gives you instructions for operating each function. Please read these instructions carefully.

AUDIBLE SIGNALS





Audible signals are available to guide you when setting and using your oven:

- **A programming tone will sound** each time you touch a pad.
- **Seven tones** signal the end of a Kitchen Timer countdown.
- **Four tones** signal the end of a cooking cycle.

CLOCK

When your microwave oven is first plugged in or after a power failure, the Display will show "PLEASE SET TIME OF DAY". If a time of day is not set, ":" will show on the Display until you touch "Clock".

Example: To set the clock for 10:30(AM).

Touch:	Display Shows:
1. 	:
2. 	ENTER TIME OF DAY
3. 1 0 3 0	10:30 TOUCH START
4. 	10:30 AM TOUCH 1 PM TOUCH 2
5. 1	AM 10:30 TOUCH START
6. 	AM 10:30

NOTES:

- **If you enter** in an incorrect time and touch "Clock", you cannot set time of day. Enter the correct time.
- **If you touch STOP** while setting the clock, the Display will show the last time of day set or ":" if no time of day has been set.

INTERRUPTING COOKING



You can stop the oven during a cycle by opening the door. The oven stops heating and the fan stops, but the light stays on. **To restart cooking, close the door and Touch START.**

If you do not want to continue cooking, open the door and touch STOP.


CONTROL LOCK

Use this safety feature to lock the control panel when you are cleaning the oven, or to ensure that children cannot use the oven unsupervised.

To set CONTROL LOCK:

Touch:	Display Shows:
1. 	Time of day.
2.  Control Lock	Touch and hold until LOCKED appears in the display. (approximately 3 seconds)


To cancel CONTROL LOCK:

Touch:	Display Shows:
1.  Control Lock	Time of day. Touch and hold until LOCKED disappears in the display (approximately three seconds).

KITCHEN TIMER

Your microwave oven can be used as a timer. You can set up to 99 minutes, 99 seconds.

Example: To set 3 minutes.

Touch:	Display Shows:
1. Kitchen Timer	ENTER TIME IN MIN AND SEC
2. 3 0 0	3:00 TOUCH START
3. 	3:00 TIMER Time counting down.

VENT

The bottom of the control panel controls the 5-speed exhaust fan.

Example: To set Level 4.

Touch:	Display Shows:
1. Vent On/Off	This shows the last level until you select the fan speed level.
2. Vent 5 speed	LEVEL 4 Touch this pad until LEVEL 4 appears in the display.

Turn off fan when desired

NOTE: If the temperature from the range or cooktop below the oven gets too hot, the exhaust fan in the vent hood will automatically turn on at the 4-Speed setting to protect the oven. It may stay on up to an hour to cool the oven. When this occurs, the Exhaust Fan pad will not turn the fan off. You cannot turn the exhaust fan off during microwave cooking.

COOKTOP LIGHT

A pad on the bottom of the control panel controls the cooktop light.






Example: To set the Lamp for HIGH.

Touch:	Display Shows:
1. Light On/Off	LIGHT ON
2. Light On/Off	LIGHT OFF



LIGHT TIMER

You can set the LIGHT to automatically turn on and off at specified times. The light comes on at the same time every day until reset.

Example: Turn on 2:00 AM, turn off 7:00 AM

Touch:	Display Shows:
1.  Light Timer	ENTER LIGHT ON TIME OR TOUCH CLEAR TO RESET LIGHT TIMER
2. 2 0 0	2:00 TOUCH START
3. 	AM TOUCH 1 PM TOUCH 2
4. 1	AM 2:00 TOUCH START
5. 	ENTER LIGHT OFF TIME
6. 7 0 0	TOUCH START
7. 	AM TOUCH 1 PM TOUCH 2
8. 1	TOUCH START
9. 	SET LIGHT TIMER


To cancel the LIGHT TIMER when oven is On or Off.

Touch:	Display Shows:
1.  Light Timer	ENTER LIGHT ON TIME OR TOUCH CLEAR TO RESET LIGHT TIMER
2. 	RESET LIGHT TIMER

ADD 30 SEC

A time-saving pad, this simplified control lets you quickly set and start microwave cooking at 100% power without the need to touch START.

Example: To cook for 1 minutes.

Touch:	Display Shows:
1. 	Time of day
2. Add 30 Sec Twice	Time counting down and COOK. POWER 100


NOTE: Each time you touch 30 SEC., it will add 30 sec. up to 99 min, 59 sec.

TIMED COOKING

This feature lets you program a specific cook time and power. For best results, there are 10 power level settings in addition to HIGH (100%) power. Refer to the "Microwave Power Levels Table" on page 15 for more information.

NOTE: If you do not select a power level, the oven will automatically cook at HIGH (100%) power.


Example: To cook for 5 minutes, 30 seconds at 80% power.

Touch:	Display Shows:
1. MICRO Time Cook	ENTER COOKING TIME
2. 5 3 0	5:30 TOUCH START OR POWER LEVEL
3. Power Level	5:30 POWER 100 ENTER POWER LEVEL 0 TO 10
4. 8	5:30 POWER 80 TOUCH START
5. 	Time counting down and COOK. POWER 80

TWO-STAGE COOKING

For best results, some recipes call for different power levels during a cook cycle. You can program your oven for 2 power level stages during the cook cycle.

Example: To set a 2-stage cook cycle.

Touch:	Display Shows:
1. MICRO Time Cook	ENTER COOKING TIME
2. 3 0 0	3:00 TOUCH START OR POWER LEVEL to set a 3 minute cook time for first stage.
3. Power Level	3:00 POWER 100 ENTER POWER LEVEL 0 TO 10
4. 8	3:00 POWER 80 TOUCH START to set an 80% cook power for the first stage.
5. MICRO Time Cook	ENTER COOKING TIME
6. 7 0 0	7:00 TOUCH START OR POWER LEVEL to set a 7 minute cook time for second stage.
7. Power Level	7:00 POWER 100 ENTER POWER LEVEL 0 TO 10
8. 5	7:00 POWER 50 TOUCH START to set a 50% cook power for the second stage.
9. 	Time counting down and COOK. 1st stage POWER 80 2nd stage POWER 50
10.	When the first stage is over, you will hear two short tones as the oven begins the second cook stage.

NOTE: You may set the second stage to 0 power to establish a period of standing time within the oven.

MICROWAVE POWER LEVELS

For best results, some recipes call for different cook powers. The lower the cook power, the slower the cooking. Each number from 10 to 0 stands for a different percentage of full cook power. The following chart gives the percentage of cook power each number pad stands for, and the cook power name usually used.

It also tells you when to use each cook power. Follow recipe or food package instructions if available.

NOTE: Refer to a reliable cookbook for cooking times based on the 950 Watt cook power of your microwave oven.

COOK POWER	LEVEL	WHEN TO USE IT
100% of full power	High	<ul style="list-style-type: none"> • Quick heating many convenience foods and foods with high water content, such as soups and beverages. • Cooking tender cuts of meat, ground meat.
9 = 90% of full power		<ul style="list-style-type: none"> • Heating cream soups
8 = 80% of full power		<ul style="list-style-type: none"> • Heating rice, pasta, or casseroles
7 = 70% of full power	Medium-High	<ul style="list-style-type: none"> • Cooking and heating foods that need a Cook Power lower than high (for example, whole fish and meat loaf) or when food is cooking too fast • Reheating a single serving of food
6 = 60% of full power		<ul style="list-style-type: none"> • Cooking requiring special care, such as cheese and egg dishes, pudding, and custards • Finishing cooking casseroles
5 = 50% of full power	Medium	<ul style="list-style-type: none"> • Cooking ham, whole poultry, and pot roasts • Simmering stews
4 = 40% of full power		<ul style="list-style-type: none"> • Melting chocolate • Heating pastries
3 = 30% of full power	Medium-Low, Defrost	<ul style="list-style-type: none"> • Manually defrosting foods, such as bread, fish, meats, poultry, and precooked foods
2 = 20% of full power		<ul style="list-style-type: none"> • Softening butter, cheese, and ice cream
1 = 10% of full power	Low	<ul style="list-style-type: none"> • Keeping food warm • Taking chill out of fruit
0 = 0% of full power	None	<ul style="list-style-type: none"> • Standing time in oven

TURNTABLE ON/OFF

For best cooking results, leave the turntable on. It can be turned off for large dishes.

Touch: **Display Shows:**

- | | | |
|----|---------------------|-------------|
| 1. | Turntable
On/Off | OFF T/TABLE |
| 2. | Turntable
On/Off | ON T/TABLE |

Press TURNTABLE ON/OFF to turn the turntable on or off.

NOTE:

- This option is not available in cook sensor and defrost modes.
- **Sometimes the turntable can become hot to touch.** Be careful touching the turntable during and after cooking.
- **Do not run the oven empty.**

OPTION

You can change the default values for beep sound, clock, display speed and defrost weight. See following chart for more information.

No.	Function	No.	Result
1	Beep ON/ OFF control	1	Sound ON
		2	Sound OFF
2	Clock display control	1	Clock ON
		2	Clock OFF
3	Display	1	Slow speed
		2	Normal speed
		3	Fast speed
4	Defrost weight mode selected	1	Lbs.
		2	Kg.

Example: To change defrost weight mode (from Lbs. to Kg).

Touch: **Display Shows:**


- | | | |
|----|---------|--|
| 1. | Options | SOUND ON/OFF TOUCH 1
CLOCK ON/OFF TOUCH 2
SCROLL SPEED TOUCH 3
LBS/KG TOUCH 4 |
| 2. | 4 | LBS TOUCH 1
KG TOUCH 2 |
| 3. | 2 | KG |

FAVORITE

FAVORITE RECIPE lets you recall one cooking instruction previously placed in memory and begin cooking quickly.


Example: To cook for 2 minutes.

Touch: **Display Shows:**

- | | | |
|----|--|--|
| 1. | Favorites | 1:00 POWER 100
TOUCH START OR
ANNUAL KEY |
| 2. | MICRO
Time Cook | ENTER COOKING TIME |
| 3. | 2 0 0 | 2:00 TOUCH START
OR POWER LEVEL |
| 4. |  | Time counting down.
POWER 100 |

Example: To recall the custom recipe.

Touch: **Display Shows:**



- | | | |
|----|--|--|
| 1. | Favorites | 2:00 POWER 100
TOUCH START OR
ANNUAL KEY |
| 2. |  | Time counting down
and cook.
POWER 100 |

When the cook time is over, you will hear four beeps and **COOK END** will display.

MELT

The oven uses low power to melt foods (butter or margarine, chocolate, or processed cheese food). See the following table.



Example for 8 oz. Chocolate:

Touch:	Display Shows:
1. 	Time of day
2. Soften Melt	SELECT MENU 1 TO 4
3. 3	CHOCOLATE TOUCH 1 TO 2
4. 2	8 OZ TOUCH START
5. 	Time counting down. CHOCOLATE

SOFTEN

The oven uses low power to soften foods (butter, ice cream, cream cheese, and frozen juice). See the following table.

Example for quart of ice cream:

Touch:	Display Shows:
1. 	Time of day
2. Soften Melt	SELECT MENU 1 TO 4
3. 3	ICE CREAM TOUCH 1 TO 3
4. 2	QUART TOUCH START
5. 	Time counting down. ICE CREAM

MELT TABLE

CODE	CATEGORY	DIRECTION	AMOUNT
1	Butter	Unwrap and place in microwavable container. No need to cover butter. Stir at the end of cooking to complete melting.	1, 2 or 3 sticks
2	Cheese	Use processed cheese food only. Cut into cubes. Place in a single layer in microwavable container. Stir at the end of cooking to complete melting.	8 or 16 oz.
3	Chocolate	Chocolate chips or squares of baking chocolate may be used. Unwrap squares and place in microwavable container. Stir at the end of cycle to complete melting.	4 or 8 oz.

SOFTEN TABLE


CODE	CATEGORY	DIRECTION	AMOUNT
1	Butter	Unwrap and place in microwavable container. Butter will be at room temperature and ready for use in recipe.	1, 2 or 3 sticks
2	Cream cheese	Unwrap and place in microwavable Container. Cream cheese will be at room temperature and ready for use in recipe.	3 or 8 oz.
3	Ice cream	Place container in oven. Ice cream will be soft enough to make scooping easier.	Pint, Quart, Half gallon

AUTO DEFROST

Three defrost sequences are preset in the oven. The auto defrost feature provides you with the best defrosting method for frozen foods. The Auto Defrost Table will show you which defrost sequence is recommended for the food you are defrosting. For added convenience, the Auto Defrost includes a built-in beep mechanism that reminds you to check, turn over, separate, or rearrange to get best defrost results. Three different defrost settings are provided.

- 1 MEAT
- 2 POULTRY
- 3 FISH
- 4 BREAD
- 5 RAPID - only 1 lb.

*You can set Auto Defrost from 0.1 to 6.0 pounds in each setting.

Example: To defrost 1.2 lbs of ground beef.	
Touch:	Display Shows:
1. Auto Defrost	MEAT TOUCH 1 POULTRY TOUCH 2 FISH TOUCH 3 BREAD TOUCH 4 RAPID TOUCH 5
2. 1	MEAT ENTER WEIGHT
3. 1 and 2 to enter the weight	1.2 LBS TOUCH START
4. 	Time counting down. DEFROST

NOTE:

When you touch the START pad, the display changes to defrost time count down. The oven will beep during the DEFROST cycle. At this time, open the door and turn, separate, or rearrange the food. Remove any portions that have thawed. Return frozen portions to the oven and touch START to resume the defrost cycle.

OPERATING TIPS

- For best results, remove fish, shellfish, meat, and poultry from its original closed paper or plastic package (wrapper). Otherwise, the wrap will hold steam and juice close to the foods, which can cause the outer surface of the foods to cook.
- For best results, shape your ground meat into the form of a doughnut before freezing. When defrosting, scrape off thawed meat when the beep sounds and continue defrosting.
- Place foods in a shallow container or on a microwave roasting rack to catch drippings.
- For more defrost help, please read “Defrosting Tips” following the Auto Defrost Table.

This table shows you food type selections and the weights you can set for each type. For best results, loosen or remove covering on food.

FOOD	TOUCH Auto Defrost	WEIGHTS YOU CAN SET (tenths of a pound)
Meat	1	.1 to 6.0 (45g to 2722g)
Poultry	2	.1 to 6.0 (45g to 2722g)
Fish	3	.1 to 6.0 (45g to 2722g)
Bread	4	.1 to 1.0 (45g to 454g)
Rapid	5	only 1 lb.

WEIGHT CONVERSION TABLE

You are probably used to food weights as being in pounds and ounces that are fractions of a pound (for example, 4 ounces equals 1/4 pound). However, in order to enter food weight in Auto Defrost, you must specify pounds and tenths of a pound. If the weight on the food package is in fractions of a pound, you can use the following table to convert the weight to decimals.

Equivalent Weight		
OUNCES	DECIMAL WEIGHT	
1.6	.10	
3.2	.20	
4.8	.30	
6.4	.40	
8.0	.50	One-Half Pound
9.6	.60	
11.2	.70	
12.8	.80	
14.4	.90	
16.0	1.00	One Pound

AUTO DEFROST TABLE

NOTE: Meat of irregular shape and large, fatty cuts of meat should have the narrow or fatty areas shielded with foil at the beginning of the defrost sequence.

Meat settings

FOOD	SETTING	AT BEEP	SPECIAL INSTRUCTIONS
BEEF			
Ground Beef, Bulk	MEAT	Remove thawed portions with fork. Turn over. Return remainder to oven.	Do not defrost less than 1/4 lb. Freeze in ball shape.
Ground Beef, Patties	MEAT	Separate and rearrange.	Do not defrost less than 2 oz. patties. Depress center when freezing.
Round Steak	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.
Tenderloin Steak	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.
Stew Beef	MEAT	Remove thawed portions with fork. Separate remainder. Return remainder to oven.	Place in a microwave safe dish.
Pot Roast, Chuck Roast	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.
Rib Roast	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.
Rolled Rump Roast	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.
LAMB			
Cubes for Stew	MEAT	Remove thawed portions with fork. Return remainder to oven.	Place in a microwave safe dish.
Chops (1 inch thick)	MEAT	Separate and rearrange.	Place in a microwave safe dish.
PORK			
Chops (1/2 inch thick)	MEAT	Separate and rearrange.	Place in a microwave safe dish.
Hot Dogs	MEAT	Separate and rearrange.	Place in a microwave safe dish.
Spareribs Country-style Ribs	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.
Sausage, Links	MEAT	Separate and rearrange.	Place in a microwave safe dish.
Sausage, Bulk	MEAT	Remove thawed portions with fork. Turn over. Return remainder to oven.	Place in a microwave safe dish.
Loin Roast, Boneless	MEAT	Turn over. Cover warm areas with aluminum foil.	Place in a microwave safe dish.

AUTO DEFROST TABLE (CONT.)

Poultry setting

FOOD	SETTING	AT BEEP	SPECIAL INSTRUCTIONS
CHICKEN Whole (up to 6 lbs)	POULTRY	Turn over (finish defrosting breast-side down). Cover warm areas with aluminum foil.	Place chicken breast-side up on a microwavable roast rack. Finish defrosting by immersing in cold water. Remove giblets when chicken is partially defrosted.
Cut-up		Separate pieces and rearrange. Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack. Finish defrosting by immersing in cold water.
CORNISH HENS Whole	POULTRY	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack. Finish defrosting by immersing in cold water.
TURKEY Breast (up to 6 lbs)	POULTRY	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack. Finish defrosting by immersing in cold water.

Fish setting

FOOD	SETTING	AT BEEP	SPECIAL INSTRUCTIONS
FISH Fillets	FISH	Turn over. Separate fillets when partially thawed if possible.	Place in a microwavable baking dish. Carefully separate fillets under cold water.
Steaks	FISH	Separate and rearrange.	Place in a microwavable baking dish. Run cold water over to finish defrosting.
Whole	FISH	Turn over.	Place in a microwavable baking dish. Cover head and tail with foil; do not let foil touch sides of microwave. Finish defrosting by immersing in cold water.
SHELLFISH			
Crabmeat	FISH	Break apart. Turn over.	Place in a microwavable baking dish.
Lobster tails	FISH	Turn over and rearrange.	Place in a microwavable baking dish.
Shrimp	FISH	Separate and rearrange.	Place in a microwavable baking dish.
Scallops	FISH	Separate and rearrange.	Place in a microwavable baking dish.

Bread setting

FOOD	SETTING	AT BEEP	SPECIAL INSTRUCTIONS
Bagel Dinner Roll Muffin Hamburger Hot Dog Bun Slices of Bread Loaf of Bread	BREAD	Turn over and rearrange.	Place on 3 sheets of paper towel.

DEFROSTING TIPS

- **When using** Auto Defrost, the weight to be entered is the net weight in pounds and tenths of pounds (the weight of the food minus the container).
- **Before starting**, make sure you have removed any of the metal twist-ties which often come with frozen food bags, and replace them with strings or elastic bands.
- **Open containers** such as cartons before they are placed in the oven.
- **Always slit** or pierce plastic pouches or packaging.
- **If food is foil wrapped**, remove foil and place food in a suitable container.
- **Slit** the skins, if any, of frozen food such as sausage.
- **Bend** plastic pouches of food to ensure even defrosting.
- **Always underestimate** defrosting time. If defrosted food is still icy in the center, return it to the microwave oven for more defrosting.
- **The length** of defrosting time varies according to how solidly the food is frozen.
- **The shape of the package** affects how quickly food will defrost. Shallow packages will defrost more quickly than a deep block.
- **As food begins to defrost**, separate the pieces. Separated pieces defrost more easily.
- **Use small pieces of aluminum foil** to shield parts of food such as chicken wings, leg tips, fish tails, or areas that start to get warm. Make sure the foil does not touch the sides, top, or bottom of the oven. The foil can damage the oven lining.
- **For better results**, let food stand after defrosting. (For more information on standing time, see the "Microwave Cooking Tips" section.)
- **Turn over** food during defrosting or standing time. Break apart and remove food as required.

SENSOR OPERATING INSTRUCTIONS

Sensor Cook allows you to cook most of your favorite foods without selecting cooking times and power levels. The display will indicate Sensing during the initial sensing period. The oven automatically determines required cooking time for each food item. When the internal sensor detects a certain amount of humidity coming from the food, it will tell the oven how much longer to heat. The display will show the remaining heating time. For best results for cooking by Sensor, follow these recommendations.

1. Food cooked with the sensor system should be at normal storage temperature.
2. Glass Tray (TURNTABLE) and outside of container should be dry to assure best cooking results.
3. Foods should always be covered with microwavable plastic wrap, waxed paper, or a lid.
4. Do not open the door or touch the **STOP** key during the sensing time. When sensing time is over, the oven beeps and the remaining cooking time will appear in the display window.
At this time you can open the door to stir, turn, or rearrange the food.

COOK SENSOR GUIDE

Appropriate containers and coverings help assure good Sensor cooking results.

1. Always use microwavable containers and cover them with lids or plastic wrap.
2. Never use tight-sealing plastic covers. They can prevent steam from escaping and cause food to overcook.
3. Match the amount to the size of the container. Fill containers at least half full for best results.
4. Be sure the outside of the cooking container and the inside of the microwave oven are dry before placing food in the oven. Beads of moisture turning into steam can mislead the sensor.

POPCORN SENSOR

Popcorn lets you pop popcorn without needing to program times and power.

Example : To pop popcorn.

Touch:	Display Shows:
1. Popcorn	POPCORN

When the cook time is over, you will hear four beeps and **COOK END** will display.

COOK SENSOR

Using COOK SENSOR lets you heat common microwave-prepared foods without needing to program times and Cook Powers. COOK SENSOR has preset Cook Power for 6 food categories.

Example: To cook rice.

Touch:	Display Shows:
1. Sensor Cook	SELECT MENU 1 TO 6
2. 6	RICE

When the cook time is over, you will hear four beeps and **COOK END** will display.

REHEAT SENSOR

Using REHEAT SENSOR lets you reheat common microwave-prepared foods without selecting cooking times and power levels.

Example: To reheat 2 slices of pizza.

Touch:	Display Shows:
1. Sensor Reheat	SELECT MENU 1 TO 4
2. 3	PIZZA SLICE

When the cook time is over, you will hear four beeps and **COOK END** will display.

COOK SENSOR TABLE

TOUCH PAD NUMBER	CATEGORY	DIRECTION	AMOUNT
1	Baked Potato	Pierce each potato with a fork and place the oven tray around the edge, at least one inch apart. After cooking, allow to stand for 5 minutes.	1~4 medium (approx. 8 to 10 oz. each)
2	Canned Vegetable	Remove from the outer display can. Place in an appropriately sized microwave container, cover with plastic wrap, and vent. After cooking, stir and allow to stand for 3 minutes.	1~4 cups
3	Fresh Vegetable	Prepare as desired, wash, and leave residual water on the vegetables. Place in an appropriately sized microwave container. Add amount of water according to the quantity (1~2 cups : 2 tablespoons, 3~4 cups : 4 tablespoons). Cover with plastic wrap and vent. After cooking, stir and allow to stand for 3 minutes.	1~4 cups
4	Frozen Entree	Remove from outer display package. Slit cover. If not in microwave-safe container, place on a plate. Cover with plastic wrap and vent the plastic film by piercing with a fork (3 times). After cooking, allow to stand for 3 minutes.	10 to 21 oz.
5	Frozen Vegetable	Remove from package, rinse off frost under running water. Place in an appropriately sized microwave container. Add amount of water according to the quantity (1~2 cups : 2 tablespoons, 3~4 cups : 4 tablespoons). Cover with plastic wrap and vent. After cooking, stir and allow to stand for 3 minutes.	1~4 cups
6	Rice	Place rice and twice as much liquid (water, chicken or vegetable stock) in a 2 quart microwave dish. Cover with plastic wrap and vent. After cooking, allow to stand for 10 minutes. Stir for fluffier rice.	1/2-2 cups Use medium or long grain rice. Cook instant rice according to directions on the package.


REHEAT SENSOR TABLE

TOUCH PAD NUMBER	CATEGORY	DIRECTION	AMOUNT
1	Casserole	Place in a microwavable bowl or casserole. Cover with vented plastic wrap. After cooking, Stir and let stand 3 minutes.	1~4 cups
2	Dinner Plate	Place on a low plate. Cover with vented plastic wrap. Let stand 3 minutes after cooking.	1 to 2 servings
3	Pizza Slice	This is reheat function for a leftover pizza. Place on paper towel on a microwave safe plate.	1~4 slices
4	Soup/Sauce	Place in shallow microwavable casserole. Cover with vented plastic wrap. After cooking, Stir and let stand 3 minutes.	1~4 cups


AUTO COOK

Auto Cook provides 6 preset categories for cooking.

Example: To cook bacon 2 slices.

Touch:	Display Shows:
1. Auto Cook	SELECT MENU 1 TO 6
2. 1	BACON TOUCH 2 TO 6
3. 2	2 SLICES TOUCH START
4. 	Time counting down and cook. BACON

Example: To cook beverage 2 cups.

Touch:	Display Shows:
1. Auto Cook	SELECT MENU 1 TO 6
2. 2	BEVERAGE TOUCH 1 TO 2
3. 2	2 CUPS TOUCH START
4. 	Time counting down and cook. BEVERAGE


AUTO COOK TABLE

TOUCH PAD NUMBER	CATEGORY	DIRECTION	AMOUNT
1	Bacon	Place bacon strips on a microwave bacon rack for best results. (Use dinner plate lined with paper towels if rack is not available)	2~6 slices
2	Beverage	Use a wide-mouth mug. Do not cover. Remove from display package and place on a plate. (Be careful! The beverage will be very hot! Sometimes liquids heated in cylindrical containers will splash out when the cup is moved.)	1~2 cups
3	Chicken Pieces	Place the chicken pieces in an appropriately sized microwavable container, cover with plastic wrap, and vent.	0.5 ~ 2 lbs.
4	Fresh Roll/Muffin	Remove from display package and place on plate. (If muffins are over 3 oz. each, count as two when entering quantity.)	1~6 pieces (2-3 oz. each)
5	Frozen Roll/Muffin	Remove from display package and place on plate. (If muffins are over 3 oz. each, count as two when entering quantity.)	1~6 pieces (2-3 oz. each)
6	Hot cereal	Prepare as directed on package and cook. Stir well before eating. Use only instant hot cereal.	1~6 servings

WARM & HOLD

You can safely keep hot, cooked food warm in your microwave oven for up to 90 minutes (about 1 hour, 30 minutes). You can use Warm & Hold by itself, or to automatically follow a cooking cycle.

Example: To use the Warm & Hold.

Touch:	Display Shows:
1. Warm & Hold	HOLD WARM TOUCH START
2. 	90:00 HOLD WARM

At the end of the warm & hold, "END" will be displayed and four tones will sound.

To make Warm & Hold automatically follow another cycle:

- After **entering cooking instructions**, touch Warm & Hold before touching START.
- **When the last cooking cycle is over**, you will hear two tones. "Hold" will come on while the oven continues to run.
- You can set Warm & Hold to follow Auto Defrost, Cook, or two stage cooking.

NOTES:

- **Warm & Hold** operates for up to 90 minutes.
- **Opening** the oven door cancels Warm & Hold. Close the door and touch Warm & Hold, then touch START if additional Warm & Hold time is desired.
- **Food that is cooked covered** should also be covered during Warm & Hold.
- **Pastry items** (pies, turnovers, etc.) should be uncovered during Warm & Hold.
- Complete meals kept warm on a dinner plate should be covered during Warm & Hold.
- **Do not use** more than one complete Warm & Hold cycle (about 1 hour, 30 minutes). The quality of some foods will suffer with extended time.

TIPS FOR CONVECTION COOKING

This section gives you cooking instructions and procedures for operating each convection function. Please read these instructions carefully.

Convection cooking circulates hot air through the oven cavity with a fan. The constantly moving air surrounds the food to heat the outer portion quickly, creating even browning and sealed-in flavor by the constant motion of hot air over the food surfaces. Your oven uses convection cooking whenever you use the Convection Button. **DO NOT USE THE OVEN WITHOUT THE TURNTABLE IN PLACE.**

1. **Always use the metal rack** on the turntable when convection cooking.
2. **Do not cover** turntable or metal rack with aluminum foil. It interferes with the flow of air that cooks the food.
3. **Round pizza pans** are excellent cooking utensils for many convection-only items. Choose pans that do not have extended handles.
4. **Use convection cooking** for items like soufflés, breads, cookies, angel food cakes, pizza, and for some meat and fish cooking.
5. **Your oven comes** equipped with metal tray which can be used for cooking in convection mode or combination mode.
6. **You do not need to use** any special techniques to adapt your favorite oven recipes to convection cooking; however, you need to lower oven temperature by 25°F from recommended temperature mentioned in package instructions when cooking packaged food in convection mode.
7. **When baking** cakes, cookies, breads, rolls, or other baked foods, most recipes call for preheating. Preheat the empty oven just as you do a regular oven. You can start heavier dense foods such as meats, casseroles, and poultry without preheating.
8. **All heat-proof** cookware or metal utensils can be used in convection cooking.
9. **As in conventional cooking**, the distance of the food from the heat source affects cooking results. Refer to the charts in this Use and Care Guide.
10. **Use metal utensils** only for convection cooking. Never use for microwave or combination cooking since arcing and damage to the oven may occur.
11. **After preheating**, if you do not open the door, the oven will automatically hold at the preheated temperature for 30 minutes.

PRECAUTIONS

- The oven cavity, door, turntable, roller rest, metal tray, metal rack, and cooking utensils will become very hot. **USE THICK OVEN GLOVES** when removing the food, cooking utensils, metal rack, metal tray, and turntable from the oven after convection cooking.
- Do not use lightweight plastic containers, plastic wraps, or paper products during any convection cycle.

CONVECTION




During convection cooking, a heating element is used to raise the temperature of the air inside the oven.

Convection cooking temperature ranges from 100°F to 450°F.

It is best to preheat the oven when convection cooking.

Note: Lower oven temperature by 25°F from package recommended temperature, instructions. The baking time may vary according to the food condition or individual preference.




Example: To set the convection cooking at 325°F for 45 minutes with preheating.

Touch:	Display Shows:
1. 	Time of day
2. CONVECTION Bake/Roast	350 F ENTER TEMPERATURE OR TOUCH START
3. 5	325 F TOUCH START
4. 	325 F PREHEAT
5. 4 5 0 0	45:00 TOUCH START Time counting down and cook.
6. 	325 F CONVECTION

NOTES:

- When the oven reaches the set preheat temperature, five (5) tones will sound and the display will scroll the message "PREHEAT END". The oven will automatically hold that temperature for 30 minutes.
- The oven temperature drops very quickly when the door is opened; however, this should not prevent food from being fully cooked during normal cooking time.
- During convection cooking, the exhaust fan in the vent hood will automatically turn on at the 1-speed setting to protect the oven.

Example: To set the convection cooking at 375°F for 30 minutes without preheating.

Touch:	Display Shows:
1. 	Time of day
2. CONVECTION Bake/Roast	350 F ENTER TEMPERATURE OR TOUCH START
3. 7	375 F TOUCH START
4. 	375 F ENTER COOKING TIME
NOTE: If you press the start button, it will operate.	
5. 3 0 0 0	30:00 375 F TOUCH START Time counting down and cook.
6. 	375 F CONVECTION

NOTE:

The temperature range has 10 steps from 100°F to 450°F.

Number Pad	Temperature
1	100°F
2	250°F
3	275°F
4	300°F
5	325°F
6	350°F
7	375°F
8	400°F
9	425°F
0	450°F

CONVECTION BAKING GUIDELINES

1. Always use the metal rack when convection baking. Place food directly on rack or place in metal tray and then place tray on rack. (See page 15.)
2. Aluminum pans conduct heat quickly. For most convection baking, light, shiny finishes give best results because they prevent over-browning in the time it takes to cook the center areas. Pans with dull (satin-finish) bottoms are recommended for cake pans and pie pans for best bottom browning.
3. Dark or non-shiny finishes, glass, and pyroceram absorb heat which may result in dry, crisp crusts.
4. Preheating the oven is recommended when baking foods by convection.
5. To prevent uneven heating and save energy, open the oven door to check food as little as possible.

Food	Oven Temp.	Time, Min.	Comments	
Breads	Refrigerated Biscuits	375°F	11 to 14	Allow additional time for large biscuits.
	Corn Bread	350°F	35 to 40	
	Muffins	425°F	18 to 22	Remove from pans immediately and cool slightly on wire rack.
	Popovers	325°F	45 to 55	Pierce each popover with a fork after removing from oven to allow steam to escape.
	Nut Bread or Fruit Bread	325°F	60 to 70	Interiors will be moist and tender.
	Yeast Bread	375°F	16 to 23	
	Plain or Sweet Rolls	350°F	13 to 16	Lightly grease baking sheet.
Cakes	Devil's Food	350°F	35 to 40	Place cake pan on rack.
	Fudge brownies	350°F	26 to 30	Bake 2 layers of brownies at a time.
	Coffee Cake	325°F	30 to 35	
	Cup Cakes	325°F	20 to 25	
	Fruit Cake (loaf)	275°F	90 to 100	Interior will be moist and tender.
	Gingerbread	300°F	25 to 30	
	Butter Cakes, Cake Mixes	325°F	35 to 45	
	9 x 13a	325°F	35 to 45	Turn end for end half way through baking.
	Tube Cake	325°F	30 to 40	Grease and flour pan.
Pound Cake	325°F	45 to 55	Cool in pan 10 minutes before inverting on wire rack.	
Cookies	Chocolate Chip	350°F	11 to 14	Place metal tray on rack. Allow extra time for frozen cookie dough.
	Sugar	350°F	11 to 14	Place metal tray on rack.
Fruits, Other Desserts	Baked Apples or Pears	350°F	35 to 40	Bake in cookware with shallow sides.
	Bread Pudding	300°F	35 to 40	Pudding is done when knife inserted near center comes out clean.
		400°F	30 to 35	Puncture puffs twice with toothpick to release steam after 25 minutes of baking time.
	Cream Puffs	300°F	30 to 35	When done, turn oven off and let shells stand in oven 1 hour to dry.
	Meringue Shells			

Notes:

- The oven temperature indicated in the chart above is recommended over the package instruction temperature.
- The baking time in the chart above is only a guideline for your reference. You need to adjust time according to the food condition or your preference. Check readiness at the minimum time.

CONVECTION BAKING GUIDELINES (cont'd)

Food	Oven Temp.	Time, Min.	Comments	
Pies, Pastries	Frozen Pie	400°F	50 to 60	Place metal tray on rack and place in cold oven. Preheat oven, tray and rack to 400°F. When preheated, place frozen pie on metal tray and bake according to package time or until crust is browned and filling is hot.
	Meringue-Topped	450°F	9 to 11	Follow package directions for preparation.
	Two-Crust	400°F	50 to 55	Follow package directions for preparation.
	Quiche	350°F	30 to 35	Let stand 5 minutes before cutting.
	Pastry Shell	400°F	10 to 16	Pierce pastry with fork to prevent shrinkage.
Casseroles	Meat, Chicken, Seafood Combinations	350°F	20 to 40	Cook times vary with casserole size and ingredients.
	Pasta	350°F	25 to 45	Cook times vary with casserole size and ingredients.
	Potatoes, scalloped Vegetable	350°F 350°F	55 to 60 25 to 35	Let stand 5 minutes before serving. Cook times vary with casserole size and ingredients.
Convenience Foods	Frozen Bread Dough	350°F	30 to 35	Follow package directions for preparation.
	Frozen Entree	325°F	70 to 80	Follow package directions for preparation.
	Frozen Pizza Rising Crust	400°F	25 to 35	Follow package directions for preparation. Pizza should not extend over the rack.
	Frozen Pizza	400°F	17 to 21	Follow package directions for preparation. Pizza should not extend over the rack.
	French Fries Crinkle Cut	450°F	15 to 19	Follow package directions for preparation.
	Frozen Waffle	400°F	5 to 7	Follow package directions for preparation.
	Frozen Cheese Sticks	450°F	6 to 8	Follow package directions for preparation.
	Frozen Turnovers	450°F	18 to 22	Follow package directions for preparation.
Main Dishes	Meat Loaf	400°F	30 to 40	Let stand 5 minutes after cooking.
	Oven-Baked Stew	325°F	80 to 90	Brown meat before combining with liquid and vegetables.
	Swiss Steak	350°F	60 to 70	Let stand 2 minutes after cooking.
	Stuffed Peppers	350°F	40 to 45	Use green, red, or yellow peppers.
Vegetables	Acorn Squash Halves	375°F	55 to 60	Pierce skin several places. Add 1/2 cup water to dish. Turn squash halves cut side up after 30 minutes of cook time and cover.
	Baked Potatoes Twice-Baked Potatoes	425°F 400°F	50 to 60 25 to 30	Pierce skin with fork before baking. Pierce skin with fork before baking.

Notes:

- The oven temperature indicated in the chart above is recommended over the package instruction temperature.
- The baking time in the chart above is only a guideline for your reference. You need to adjust time according to the food condition or your preference. Check doneness at the minimum time.

MEAT ROASTING GUIDELINES FOR CONVECTION COOKING

Food		Oven Temp.	Time, Min. / lb.
Beef	Ribs (2 to 4 lbs.)		
	Rare	300°F	45 to 50
	Medium	300°F	50 to 55
	Well	300°F	55 to 60
	Boneless Rib, Top Sirloin		
	Rare	300°F	53 to 58
	Medium	300°F	58 to 63
	Well	300°F	63 to 68
	Beef Tenderloin		
	Rare	300°F	28 to 32
Medium	300°F	32 to 36	
Pot Roast (2 1/2 to 3 lbs.)	Chuck, Rump	300°F	83 to 88
Ham	Meat Loaf (2 lbs.)	400°F	65 to 75
	Canned (3-lb. fully cooked)	325°F	20 to 25
	Butt (5-lb. fully cooked)	325°F	20 to 25
	Shank (5-lb. fully cooked)	325°F	17 to 20
Lamb	Bone-in (2 to 4 lbs.)		
	Medium	300°F	42 to 47
	Well	300°F	47 to 52
	Boneless (2 to 4 lbs.)		
	Medium	300°F	50 to 55
Well	300°F	55 to 60	
Pork	Bone-in (2 to 4 lbs.)	300°F	48 to 52
	Boneless (2 to 4 lbs.)	300°F	56 to 61
	Pork Chops (1/2 to 1-inch thick)		
	2 chops	325°F	42 to 45
	4 chops	325°F	45 to 48
	6 chops	325°F	48 to 55
Poultry	Whole Chicken (2 1/2 to 3 1/2 lbs.)	375°F	25 to 35
	Chicken Pieces (2 1/2 to 3 1/2 lbs.)	425°F	10 to 12
	Duckling (4 to 5 lbs.)	375°F	19 to 21
	Turkey Breast (4 to 6 lbs.)	325°F	21 to 25
Seafood	Fish, whole (3 to 5 lbs.)	400°F	13 to 18
	Lobster Tails (6 to 8-oz. each)	350°F	12 to 17

Note:

The roasting time in the chart above is only a guideline for your reference. You need to adjust the time according to the food condition or your preference. Check readiness at the minimum time.

TIPS FOR COMBINATION COOKING

This section gives you instructions to operate each combination cooking function. Please read these instructions carefully. Sometimes combination microwave-convection cooking is suggested to get the best cooking results since it shortens the cooking time for foods that normally need a long time to cook. This cooking process also leaves meats juicy on the inside and crispy on the outside. In combination cooking, the convection heat and microwave energy alternate automatically. Your oven has three preprogrammed settings that make it easy to use combination cooking.

HELPFUL HINTS FOR COMBINATION COOKING




1. **Meats** may be roasted directly on the metal rack or in a shallow roasting pan placed on the rack. When using the metal rack, please check your cooking guide for information on proper use.
2. **Less tender** cuts of beef can be roasted and tenderized using oven cooking bags.
3. **When baking**, check for doneness after cooking time is up. If not completely done, let stand in oven for a few minutes to complete cooking.

PRECAUTIONS

1. All cookware used for combination cooking must be BOTH microwave-safe and oven-safe.
2. During combination baking, some baking cookware may cause arcing when it comes in contact with the oven walls or metal accessory racks. Arcing is a discharge of electricity that occurs when microwaves come in contact with metal.
 - If arcing occurs, immediately stop the cooking cycle and place a heat resistant dish between the pan and the metal rack.
 - We recommend you use the metal tray applied with your oven. It has rubber feet that helps prevent arcing.
 - If arcing occurs with other baking cookware, do not use them for combination cooking.

COMBINATION ROAST

Example: To roast with combination cooking for 45 minutes at 400°F.

Touch:	Display Shows:
1. 	Time of day
2. COMBO Bake/Roast	Co-1
Once Co-1, twice Co-2.	375 F ENTER TEMPERATURE OR TOUCH START OR COMBI.
3. 8	400 F TOUCH START
4. 	400 F ENTER COOKING TIME
5. 4 5 0 0	45:00 400 F TOUCH START
	down and cook.
6. 	400 F COMBI 1

NOTES:

- The temperature range has 9 steps from 250°F to 450°F.
- During combination cooking, the exhaust fan in the vent hood will automatically turn on at the 1-speed setting to protect the oven.



TOUCH COMBI PAD	COMBI	CATEGORY	OVEN TEMPERATURE
Once	Co-1	Combination ROAST	Convection 375°F
Twice	Co-2	Combination BAKE	Convection 325°F

SPEED COOK

This oven can cook food without entering cooking time or power level on combination mode. SPEED COOK has 4 food categories. See the SPEED COOK CHART on this page for the settings available.

For best results, place food on the rack. When cooking meats, use the metal tray/drip pan to catch drippings.

Example: To cook 2 lb. roast pork.

Touch:	Display Shows:
1. 	Time of day
2. Speed Cook	SELECT MENU 1 TO 4
3. 3	ROAST PORK ENTER WEIGHT
4. 2 0	2.0 LBS TOUCH START Time counting down and cook.
5. 	ROAST PORK

SPEED COOK CHART

TOUCH PAD NUMBER	CATEGORY	DIRECTION	AMOUNT
1	Baked Potato	Pierce each potato several times with a fork and place on metal rack on metal tray.	1 - 4 EA
2	Frozen Lasagna	Remove from outer package. Remove film cover. If lasagna is not in a ovenproof container, place it on a ovenproof dish. Place on metal rack on metal tray. Let stand for 5 minutes after cooking.	10 or 21 oz.
3	Roast Pork	Pat dry with paper towels. Place roast on metal rack on metal tray. After cooking, loosely tent roast with aluminum foil and let stand 5 to 10 minute.	2.0 - 4.0 lbs
4	Whole Chicken	Thoroughly wash inside and outside of chicken with cold water. Pat chicken dry with paper towels, secure the legs with kitchen twine. Brush outside of chicken with melted butter or margarine. Place chicken breast side down on metal rack on metal tray. After cooking, loosely tent chicken with aluminum foil. Let stand for 10 minutes after cooking.	2.0 - 4.0 lbs

COMBINATION ROAST COOKING GUIDE

Food		Oven Temp.	Time, Min./lb.
Beef	Turn over after half of cooking time.		
	Ribs (2 to 4 lbs.)		
	Rare	375°F	9 to 13
	Medium	375°F	11 to 15
	Well	375°F	13 to 17
	Boneless Rib, Top Sirloin		
	Rare	375°F	9 to 13
	Medium	375°F	11 to 15
	Well	375°F	13 to 17
	Beef Tenderloin		
Rare	375°F	16 to 18	
Medium	375°F	18 to 20	
Chuck, Rump or Pot Roast (2 ¹ / ₂ to 3 lbs.) (Use cooking bag for best results.)	300°F	18 to 20	
Ham	Turn over after half of cooking time.		
	Canned (3-lb. fully cooked)	300°F	15 to 18
	Butt (5-lb. fully cooked)	300°F	15 to 18
Shank (5-lb. fully cooked)	300°F	15 to 18	
Lamb	Turn over after half of cooking time.		
	Bone-in (2 to 4 lbs.)		
	Medium	300°F	13 to 18
	Well	300°F	18 to 23
	Boneless (2 to 4 lbs.)		
Medium	300°F	14 to 19	
Well	300°F	19 to 24	
Pork	Turn over after half of cooking time.		
	Bone-in (2 to 4 lbs.)	300°F	17 to 20
	Boneless (2 to 4 lbs.)	300°F	19 to 22
	Pork Chops (3/4 to 1-inch thick)		
	2 chops	350°F	10 to 13
	4 chops	305°F	13 to 16
6 chops	305°F	16 to 19	
Poultry	Turn over after half of cooking time.		
	Whole Chicken (2 ¹ / ₂ to 6 lbs.)	375°F	15 to 17
	Chicken Pieces (2 ¹ / ₂ to 6 lbs.)	375°F	15 to 18
	Cornish Hens (untied)		
	Unstuffed	425°F	15 to 18
	Stuffed	375°F	22 to 25
	Duckling	375°F	15 to 18
Turkey Breast (4 to 6 lbs.)	300°F	11 to 15	
Seafood	Fish		
	1-lb. fillets	350°F	7 to 10
	Lobster Tails (6 to 8-oz. each)	350°F	10 to 15
	Shrimp (1 to 2 lbs.)	350°F	9 to 14
	Scallops (1 to 2 lbs.)	350°F	8 to 13

Note:

The roasting time in the chart above is only a guideline for your reference. You need to adjust time according to the food condition or your preference. Check doneness at the minimum time.

COMBINATION BAKE COOKING GUIDE

Food		Oven Temp.	Time, Min.	Comments
Pies, Pastries	Quiche	425°F	15 to 17	Let stand 5 minutes before cutting.
Convenience Foods	Frozen Entree	375°F	39 to 43	Follow package directions for preparation.
	Frozen Pizza Rolls, Egg Rolls	450°F	4 to 6	Follow package directions for preparation.
	Pizza	450°F	23 to 26	Follow package directions for preparation.
Vegetables	Baked Potatoes	450°F	36 to 40	Pierce skin with a fork before baking. Place on rack.

HEATING / REHEATING GUIDE

To heat or reheat successfully in a microwave oven, it is important to follow several guidelines. Measure the amount of food in order to determine the time needed to reheat. Arrange the food in a circular pattern for best results. Room temperature food will heat faster than refrigerated food. Canned foods should be taken out of the can and placed in a microwave-safe container. The food will heat more evenly if covered with a microwave-safe lid or vented plastic wrap. Remove cover carefully after cooking to prevent steam burns. Use the following chart as a guide for reheating cooked food.

ITEMS	COOK TIME (AT HIGH)	SPECIAL INSTRUCTIONS
Sliced meat 3 slices (1/4 -inch thick)	1-2 minutes	Place sliced meat on microwavable plate. Cover with plastic wrap and vent. Note: Gravy or sauce helps to keep meat juicy.
Chicken pieces 1 breast 1 leg and thigh	2-3 1/2 minutes 1 1/2-3 minutes	Place chicken pieces on microwavable plate. Cover with plastic wrap and vent.
Fish fillet (6-8 oz.)	2-4 minutes	Place fish on microwavable plate. Cover with plastic wrap and vent.
Lasagna 1 serving (10 1/2 oz.)	4-6 minutes	Place lasagna on microwavable plate. Cover with plastic wrap and vent.
Casserole 1 cup 4 cups	1-3 1/2 minutes 5-8 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Casserole – cream or cheese 1 cup 4 cups	1 1/2-3 minutes 3 1/2-5 1/2 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Sloppy Joe or Barbecued Beef 1 sandwich (1/2 cup meat filling) without bun	1-2 1/2 minutes	Reheat filling and bun separately. Cook filling covered in microwavable casserole. Stir once. Heat bun as directed in chart below.
Mashed potatoes 1 cup 4 cups	1-3 minutes 5-8 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Baked beans 1 cup	1 1/2-3 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Ravioli or pasta in sauce 1 cup 4 cups	2 1/2-4 minutes 7 1/2-11 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Rice 1 cup 4 cups	1 1/2-3 1/2 minutes 4-6 1/2 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Sandwich roll or bun 1 roll	15-30 seconds	Wrap in paper towel and place on glass microwavable rack
Vegetables 1 cup 4 cups	1 1/2-2 1/2 minutes 4-6 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.
Soup 1 serving (8 oz.)	1 1/2-2 1/2 minutes	COOK covered in microwavable casserole. Stir once halfway through cooking.

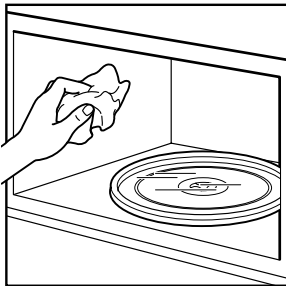
FRESH VEGETABLE GUIDE

VEGETABLE	AMOUNT	COOK TIME AT HIGH (MINUTE)	INSTRUCTIONS	STANDING TIME
Artichokes (8 oz.each)	2 medium 4 medium	5-8 10-13	Trim.Add 2 tsp water and 2 tsp juice. Cover.	2-3 minutes
Asparagus, Fresh, Spears	1 lb.	3-6	Add ½ cup water. Cover.	2-3 minutes
Beans, Green & Wax	1 lb.	7-11	Add ½ cup water in 1½ qt.casserole. Stir halfway through cooking.	2-3 minutes
Beets,Fresh	1 lb.	12-16	Add ½ cup water in 1½ qt.covered casserole. Rearrange halfway through cooking.	2-3 minutes
Broccoli,Fresh, Spears	1 lb.	4-8	Place broccoli in baking dish. Add ½ cup water.	2-3 minutes
Cabbage, Fresh, Chopped	1 lb.	4-7	Add ½ cup water in 1½ qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Carrots, Fresh, Sliced	2 cups	2-4	Add ¼ cup water in 1 qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Cauliflower, Fresh, Whole	1 lb.	7-11	Trim.Add ¼ cup water in 1 qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Flowerettes, Fresh Celery, Fresh, Sliced	2 cups 4 cups	2½-4½ 6-8	Slice.Add ½ cup water in 1½ qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Corn, Fresh	2 ears	5-9	Husk.Add 2 tbsp water in 1½ qt. baking dish. Cover.	2-3 minutes
Mushrooms, Fresh, Sliced	½ lb.	2-3½	Place mushrooms in 1½ qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Parsnips, Fresh, Sliced	1 lb.	4-8	Add ½ cup water in 1½ qt.covered casserole. Stir halfway through cooking.	2-3 minutes
Peas, Green, Fresh	4 cups	7-10	Add ½ cup water in 1½ qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Sweet Potatoes Whole Baking (6-8 oz.each)	2 medium 4 medium	5-10 7-13	Pierce potatoes several times with fork. Place on 2 paper towels. Turn over halfway through cooking.	2-3 minutes 2-3 minutes
White Potatoes, Whole Baking (6-8 oz.each)	2 potatoes 4 potatoes	5-8 10-14	Pierce potatoes several times with fork. Place on 2 paper towels. Turn over halfway through cooking.	2-3 minutes 2-3 minutes
Spinach, Fresh, Leaf	1 lb.	4-7	Add½ cup water in 2 qt. covered casserole.	2-3 minutes
Squash, Acorn or Butternut, Fresh	1 medium	6-8	Cut squash in half. Remove seeds. Place in 8 x 8-inch baking dish. Cover.	2-3 minutes
Zucchini, Fresh, Sliced	1 lb.	4½-7½	Add½ cup water in 1½ qt. covered casserole. Stir halfway through cooking.	2-3 minutes
Zucchini, Fresh, Whole	1 lb.	6-9	Pierce. Place on 2 paper towels. Turn over and rearrange halfway through cooking.	2-3 minutes

Care And Cleaning

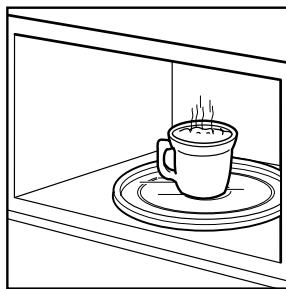
To make sure your microwave oven looks good and works well for a long time, you should maintain it properly. For proper care, please follow these instructions carefully.

For interior surfaces: Wash often with warm, sudsy water and a sponge or soft cloth. Use only mild, nonabrasive soaps or a mild detergent. **Be sure to keep the areas clean where the door and oven frame touch when closed.** Wipe well with clean cloth.



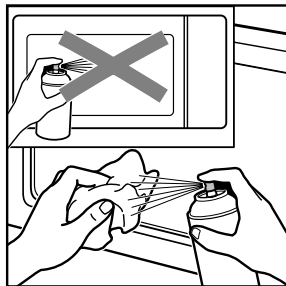
Over time, stains can occur on the surfaces as the result of food particles spattering during cooking. This is normal.

For stubborn soil, boil a cup of water in the oven for 2 to 3 minutes. Steam will soften the soil. To get rid of odors inside the oven, boil a cup of water with some lemon juice or vinegar in it.



For exterior surfaces and control panel: Use a soft cloth with spray glass cleaner. Apply the spray glass cleaner to the soft cloth; do not spray directly on the oven. **NOTE: Abrasive cleansers, steel wool pads, gritty wash cloths, some paper towels, etc., can damage the control panel and the interior and exterior oven surfaces.**

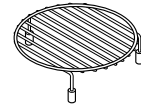
For exterior surfaces and control panel: Use a soft cloth with spray glass cleaner. Apply the spray glass cleaner to the soft cloth; do not spray directly on the oven.



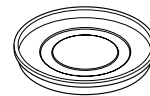
NOTE: Abrasive cleansers, steel wool pads, gritty wash cloths, some paper towels, etc., can damage the control panel and the interior and exterior oven surfaces.

To clean glass tray and rotating ring, wash in mild, sudsy water; for heavily soiled areas use a mild cleanser and scouring sponge. The glass tray and rotating ring are dishwasher safe.

Metal Rack



Metal Tray



Glass Turntable



Rotate Ring

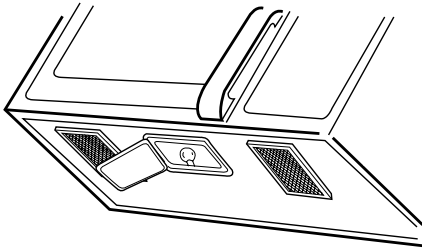


REPLACING THE COOKTOP AND OVEN LIGHTS

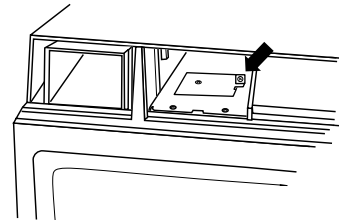
- ⚠** Use a cloth or towel when replacing the bulb.
 - If you touch the halogen bulb with your bare hands it will reduce the life of the bulb.

The cooktop light

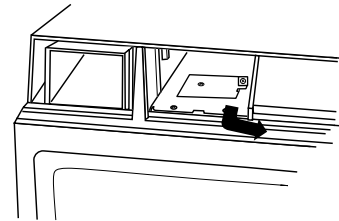
1. **Unplug** microwave oven or **disconnect** power.
2. Remove the bulb cover mounting screws.
3. Replace bulb.
4. Reinstall bulb cover with mounting screws.
5. **Plug in** microwave oven or **reconnect** power.



5. Remove bulb holder by pushing locking tab back slightly to disengage tab from the bulb holder.

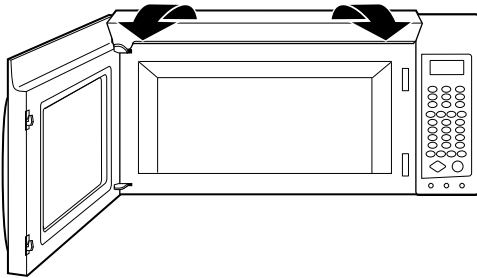


6. Lift up the bulb holder and slide out of the compartment.



The oven light

1. **Unplug** microwave oven or **disconnect** power.
2. Remove the vent grille mounting screws.
3. Open the door. Tip the grille forward; then slide to the left and pull out.



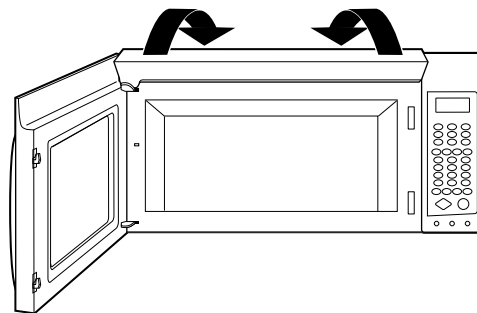
4. Remove charcoal filter.

7. Replace the bulb.

8. Reinstall bulb holder. Slide bulb holder back into the compartment and press down firmly so locking tab snaps into place.

9. Replace charcoal filter.

10. Set the bottom of the grille in place, slide to the right, and then snap the top in place. Replace the mounting screws.



11. **Plug in** microwave oven or **reconnect** power.

CARING FOR THE FILTERS

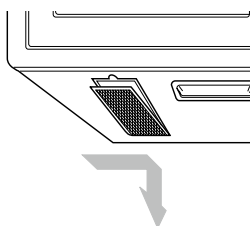
The grease filters should be removed and cleaned often, at least once a month.

NOTE: If your microwave hood combination is installed to recirculate air, the charcoal filter (Part No.5230W1A003A) is available from Sears by calling 1-800-4-MY-HOME®. The charcoal filter cannot be cleaned and should be replaced every 6 to 12 months.

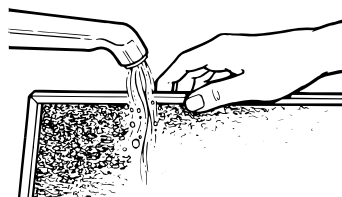
Grease filters (Part No.2B72705B):

1. **Unplug** microwave oven or **disconnect** power.

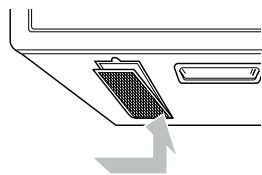
2. To remove grease filters, slide each filter to the side. Pull filters downward and push to the other side. The filter will drop out.



3. Soak grease filters in hot water and a mild detergent. Scrub and swish to remove embedded dirt and grease. Rinse well and shake to dry. Do not clean filters with ammonia, corrosive cleaning agents such as lye-based oven cleaners, or place them in a dishwasher. The filters will turn black or could be damaged.



4. To replace grease filters, slide filter in the frame slot on one side of the opening. Push filter upward and push to the other side to lock into place.



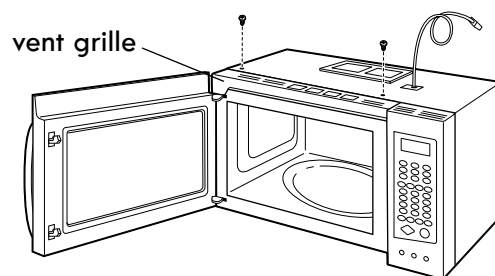
5. **Plug in** microwave oven or **reconnect** power.

CHARCOAL FILTER REPLACEMENT

If your oven is vented inside, the charcoal filter should be replaced every 6 to 12 months, and more often if necessary. The charcoal filter cannot be cleaned. Purchase a new charcoal filter from the nearest Sears Parts & Repair Service Center, or by calling 1-800-4-MY-HOME®.

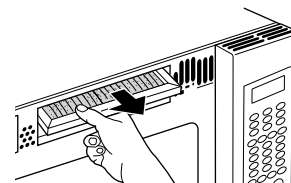
1. **Disconnect** power or **unplug** microwave oven.

2. **Remove** the two vent grille mounting screws. Slide vent grille slightly to the left.

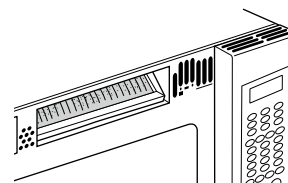


3. **Tip** the grille forward; then lift out to remove.

4. Remove old filter.



5. **Slide** a new charcoal filter into place. The filter should rest at the angle shown.



6. **Push** the vent grille into place. **Slide** the grille to the right until it snaps into place.

7. **Replace** the mounting screws.

8. **Reconnect** power or **plug in** microwave oven.

Cooking Tips

Amount of food

- **If you increase or decrease** the amount of food you prepare, the time it takes to cook that food will also change. For example, if you double a recipe, add a little more than half the original cooking time. Check for doneness and, if necessary, add more time in small increments.

Starting temperature of food

- **The lower the temperature** of the food being put into the microwave oven, the longer it takes to cook. Food at room temperature will be reheated more quickly than food at refrigerator temperature.

Composition of food

- **Food with a lot of fat and sugar** will be heated faster than food containing a lot of water. Fat and sugar will also reach a higher temperature than water in the cooking process.
- **The more dense the food**, the longer it takes to heat. "Very dense" food like meat takes longer to heat than lighter, more porous food like sponge cakes.

Size and shape

- **Smaller pieces of food** will cook faster than larger pieces. Also, same-shaped pieces cook more evenly than different-shaped pieces.
- **With foods that have different thicknesses**, the thinner parts will cook faster than the thicker parts. **Place** the thinner parts of chicken wings and legs in the center of the dish.

Stirring, turning foods

- **Stirring and turning foods** spreads heat quickly to the center of the dish and avoids overcooking at the outer edges of the food.

Covering food

Cover food to reduce splattering, **shorten** cooking times, and **Keep** food moist.

You can use any covering that lets microwaves pass through. See *How Your Microwave Hood Combination Works* on page 5 for materials that microwaves will pass through. If you are using the Sensor function, be sure to vent.

Releasing pressure in foods

- **Several foods** (for example, baked potatoes, sausages, egg yolks, and some fruits) are tightly covered by a skin or membrane. Steam can build up under the membrane during cooking, causing the food to burst. To relieve the pressure and to prevent bursting, **pierce** these foods before cooking with a fork, cocktail pick, or toothpick.

Using standing time

- **Always allow food to stand** either inside or outside the oven after the cooking or defrost period ends. Standing time after defrosting and cooking allows the temperature to evenly spread throughout the food, improving cooking or defrosting results.
- **The length of the standing time** depends on how much food you are cooking and how dense it is. Sometimes it can be as short as the time it takes you to remove the food from the oven and take it to the serving table. However, with larger, denser food, the standing time may be as long as 10 minutes. For such longer periods, you may want to program a "0" power second stage of the cooking cycle for standing time inside the oven. See *Two-Stage Cooking*.

Arranging food

For best results, place food evenly on the plate. You can do this in several ways:

- **If you are cooking several items of the same food**, such as baked potatoes, **place** them in a ring pattern for uniform cooking.
- **When cooking foods of uneven shapes or thickness, such as chicken breasts**, **place** the smaller or thinner area of the food towards the center of the dish where it will be heated last.
- **Layer thin slices of meat** on top of each other.
- **When you cook or reheat whole fish**, **score** the skin – this prevents cracking.
- **Do not** let food or a container touch the top or sides of the oven. This will prevent possible arcing.

Using aluminum foil

Metal containers should not be used in a microwave oven. There are, however, some exceptions. If you have purchased food which is prepackaged in an aluminum foil container, refer to the instructions on the package. When using aluminum foil containers, cooking times may be longer because microwaves will only penetrate the top of the food. If you use aluminum containers without package instructions, follow these guidelines:

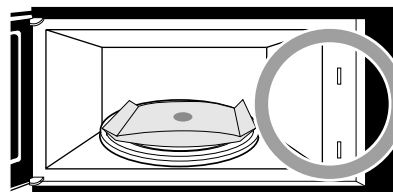
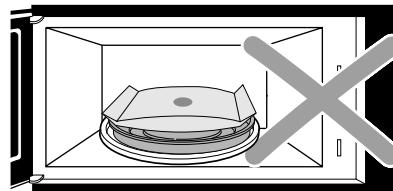
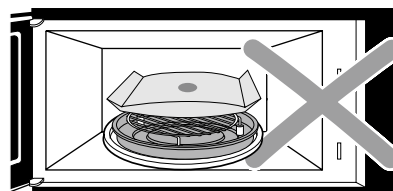
- **Place** the container in a glass bowl and add some water so that it covers the bottom of the container, not more than 1/4-in. (.64-cm) high. This ensures even heating of the container bottom.
- **Always remove** the lid to avoid damage to the oven.
- **Use only** undamaged containers.
- **Do not use** containers taller than 3/4 in. (1.9 cm).
- **Container must be** at least half filled.
- **To avoid arcing**, there must be a minimum 1/4 in. (.64 cm) between the aluminum container and the walls of the oven and also between two aluminum containers.
- **Always place** the container on the turntable.
- **Shield** with small pieces of aluminum foil the parts of food that may cook quickly, such as wing tips and leg ends of poultry.
- **Heating food** in aluminum foil containers usually takes up to double the time compared to reheating in plastic, glass, china, or paper containers. The time when food is ready will vary depending upon the type of container you use.
- **Let food stand** for 2 to 3 minutes after heating so that heat is spread evenly throughout the container.

Cooking you should not do in your microwave oven

- **Do not** do canning of foods in the oven. Closed glass jars may explode, resulting in damage to the oven.
- **Do not** use the microwave oven to sterilize objects (baby bottles, etc.). It is difficult to keep the oven at the high temperature needed for sterilization.

Removing the rack

- When popping commercially packaged popcorn, **remove the rack from the oven**. Do not place the bag of microwave popcorn on the rack or under the rack.
- In the case of popping microwave popcorn with the rack, that can cause fire or damage to your microwave oven.



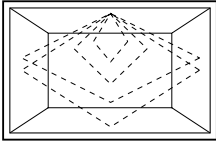
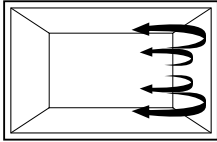
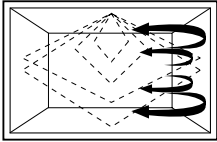
COOKING COMPARISON GUIDE

Cooking with your new oven offers a wide variety of food preparation options: microwave cooking, convection cooking, and combination cooking.

Microwave cooking uses very short, high-frequency radio waves. The movement of the microwaves through the food generates heat and cooks most foods faster than regular methods, while retaining their natural texture and moisture. Microwave cooking heats food directly, not the cookware or the interior of the oven. Reheating is easy and defrosting is particularly convenient because less time is spent in food preparation.

Convection cooking constantly circulates heated air around the food, creating even browning and sealed-in flavor by the constant motion of hot air over the food surfaces.

Combination cooking combines microwave energy with convection to cook with speed and accuracy, while browning and crisping to perfection. You can use microwave cooking, convection cooking, or combination cooking to cook by time. Simply preset the length of cooking time desired and your oven turns off automatically. The following guide shows at a glance the difference between microwave, convection, and combination cooking.

	MICROWAVE	CONVECTION	COMBINATION
COOKING METHOD	 <p>Microwave energy is distributed evenly throughout the oven for fast, thorough cooking of food.</p>	 <p>Hot air circulates around food to produce browned exteriors and sealed-in juices.</p>	 <p>Microwave energy and convection heat combine to shorten the cooking time of regular ovens, while browning and sealing in juices.</p>
HEAT SOURCE	Microwave energy.	Circulating heated air.	Microwave energy and circulating heated air.
BENEFITS	<ul style="list-style-type: none"> • Fast, high efficiency cooking. • Oven and surroundings do not get hot. • Easy clean-up. 	<ul style="list-style-type: none"> • Aids in browning and seals in flavor. • Cooks some foods faster than regular ovens. 	<ul style="list-style-type: none"> • Shortened cooking time from microwave energy. • Browning and crisping from convection heat.

Read this guide to learn the many different things your Microwave/Convection/Combination Oven can do. You will find a wide variety of cooking methods and programs designed to suit your lifestyle.

COOKWARE GUIDE

Microwave Cooking

Most heat-resistant, non-metallic cookware is safe for use in your microwave oven.

However, to test cookware before using, follow these steps:

1. Place the empty cookware in the microwave oven.
2. Measure 1 cup of water in a glass measuring cup and place it in the oven beside the cookware.
3. Microwave on 100% power for 1 minute. If the dish is warm, it **should not** be used for microwave cooking.

Convection Cooking

- Metal Pans are recommended for all types of baked products, but especially where browning or crusting is important.
- Dark or dull finish metal pans are best for breads and pies because they absorb heat and produce a crisper crust.
- Shiny aluminum pans are better for cakes, cookies, or muffins because these pans reflect heat and help produce a light, tender crust.
- Glass or glass-ceramic casserole or baking dishes are best suited for egg and cheese recipes due to the cleanability of glass.

Combination Cooking

- Glass or glass-ceramic baking containers are recommended. Be sure not to use items with metal trim as it may cause arcing (sparking) with oven wall or oven shelf, damaging the cookware, the shelf or the oven.
- Heat-resistant plastic microwave cookware (safe to 450°F) may be used, but is not recommended for foods that require crusting or all-around browning, because plastic is a poor conductor of heat.

COOKWARE	MICROWAVE	CONVECTION	COMBINATION
Heat-Resistant Glass, Ceramic Glass	Yes	Yes	Yes
Ceramics, China	Yes (Do not use china with gold or silver trim.)	Yes	Yes
Metal Cookware	No	Yes	No
Non Heat-Resistant Glass	No	No	No
Microwave-Safe Plastic	Yes	No	Yes*
Plastic Wrap, Wax Paper	Yes	No	No
Paper Products	Yes	No	No
Straw, Wicker, and Wood	Yes	No	No

* Use only microwave cookware that is safe to 450° F

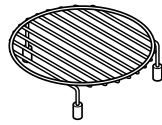
HOW TO USE ACCESSORIES



Glass Turntable


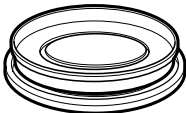
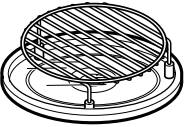
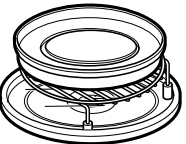
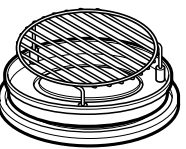


Metal Tray



Metal Rack

- : Possible to use
- ⊙ : Recommended method
- X : Do not use

	MICROWAVE	CONVECTION	COMBINATION
	⊙	○	○
	X	○	○
	X	⊙	⊙
	X	⊙	X
	X	⊙	⊙

Notes :

Do not operate the oven when it is empty except preheating.

Questions And Answers

QUESTIONS	ANSWERS
Can I operate my microwave oven without the glass tray or move the glass tray over to hold a large dish?	No. If you remove or move the glass tray, you will get poor cooking results. Dishes used in your oven must fit on the glass or guide tray.
Can I use either metal or aluminum pans in my microwave oven?	You can use aluminum foil for shielding (use small, flat pieces), small skewers, and shallow foil trays (if tray is not taller than 3/4-in. [1.9-cm] deep and is filled with food to absorb microwave energy). Never allow metal to touch walls or door.
Is it normal for the guide tray to move in either direction?	Yes. The guide tray moves from side to side, depending on the rotation of the motor when the cooking cycle begins.
Why does the dish become hot when I microwave food in it? I thought that this should not happen.	As the food becomes hot, it will conduct the heat to the dish. Be prepared to use hot pads to remove food after cooking.
What does "standing time" mean?	"Standing time" means that after the timed cooking period ends, food should be allowed to stand either inside or outside of the oven to completely finish cooking. Outside oven standing time will allow the oven to be available for other use. For inside oven standing time, you can program a "0" power second stage of the cooking cycle. See <i>Two-Stage Cooking</i> .
Why does steam come out of the air exhaust vent?	Steam is normally produced during cooking. The microwave oven has been designed to vent this steam out of the vents.
Can I pop popcorn in my microwave oven? How do I get the best results?	Yes. Pop packaged microwave popcorn following manufacturer's guidelines. Do not use regular paper bags. Do not repop unpopped kernels. Do not pop popcorn in glass cookware.

Troubleshooting

Most cooking problems often are caused by little things you can find and fix without tools of any kind. Check the lists below and on the next page before calling for assistance or service. If you still need help, call Sears Service at 1-800-4-MY-HOME®.

MICROWAVE OVEN DOES NOT WORK

PROBLEM	CAUSE
Nothing works.	<ul style="list-style-type: none">• The power supply cord is not plugged into a grounded three prong outlet. (See the Electrical Requirements section on page 6 and the Electrical Connection section on page 8.)• A household fuse has blown or a circuit breaker has tripped.• The electric company has had a power failure.
The microwave oven will not run.	<ul style="list-style-type: none">• You are using the oven as a timer. Touch STOP to cancel the Timer.• The door is not firmly closed and latched.• You did not touch START.• You did not follow directions exactly.• An operation that you set earlier is still running. Touch STOP to cancel that operation.

COOKING TIMES

PROBLEM	CAUSE
Food is not cooked enough.	<ul style="list-style-type: none">• The cook power is not at the recommended setting. Check the chart on page 15.• The electric supply to your home or wall outlets is low or lower than normal. Your electric company can tell you if the line voltage is low. Your electrician can tell you if the outlet voltage is low.• Refer to Cooking Tips Guide.
The display shows a time counting down but the oven is not cooking.	<ul style="list-style-type: none">• The oven door is not closed completely.• You have set the controls as a kitchen timer. Touch the STOP pad and cancel the Timer.

VENT MOTOR

PROBLEM	CAUSE
Vent fan comes on automatically	<ul style="list-style-type: none">• The vent fan will automatically turn on if it senses too much heat during cooking on the cooktop below.

NOISE

PROBLEM	CAUSE
You hear the humming sound	<ul style="list-style-type: none">• This is normal noise during operation from the magnetron, fan noise and the transformer.

GLASS TRAY

PROBLEM	CAUSE
The glass tray will not move.	<ul style="list-style-type: none"> The glass tray is not correctly in place. It should be correct-side up and sitting firmly on the center hub. The turntable has been turned off. Refer to the Turntable section. The support is not operating correctly. Remove the glass tray and restart the oven. If the hub still does not move, call Sears Service at 1-800-4-MY-HOME®. Cooking without the glass tray can give you poor results.

TONES

PROBLEM	CAUSE
You do not hear the programming or end-of-cycle tone. The audible tone has been disabled.	<ul style="list-style-type: none"> You have not entered the correct command. Tone must be enabled

DISPLAY MESSAGES

PROBLEM	CAUSE
The display is flashing ":".	<ul style="list-style-type: none"> There has been a power interruption. Reset the clock. (See the "Clock" section.)

If none of these items is causing your problem, call Sears Service at 1-800-4-MY-HOME®.