How to get Your the best from Your Microwave Oven

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Use and Care of model MVH210E MVH210W 750 watts*

> *Wattage rating based on the IEC-705 test. The prior one liter test method resulted in a 650 watt rating.



Help us help you...

Before using your oven, read this book carefully.

It is intended to help you operate and maintain your new microwave oven properly.

Keep it handy for answers to your questions.

If you don't understand something or need more help, call our toll free consumer information line: 1-800-843-0304.

Write down the model, serial and manufacturing numbers.

You'll find them on a label inside the oven.

These numbers are also on the Consumer Product Ownership Registration Card that came with your microwave oven. Before sending in this card, please write these numbers here:

Model Number

Serial Number

Manufacturing Number

Use these numbers in any correspondence or service calls concerning your microwave oven.

Be sure your microwave oven is registered.

It is important that we know the location of your microwave oven should a need occur for adjustments.

Your supplier is responsible for registering you as the owner.

Please check with your supplier to be sure he has done so; also send in your Consumer Product Ownership Registration Card. If you move, or if you are not the original purchaser, please write to us, stating model, serial and manufacturing numbers.

This appliance must be registered. Please be certain that it is.

Write to:

Amana Refrigeration, Inc. Customer Relations Dept. Amana, IA 52204

If you received a damaged oven...

Immediately contact the dealer (or builder) that sold you the oven.

Save time and money. Before you request service...

Check the Problem Solver in the back of this book. It lists causes of minor operating problems that you can correct yourself.

This microwave oven is UL listed for installation over electric and gas ranges.

This microwave oven is specifically designed to heat or cook food, and is not intended for laboratory, commercial or industrial use.

Optional Accessories

available at extra cost from your Amana dealer.

MVHRK1 Recirculation Kit for non-vented installation.

MVHTK36 Trim Kit for installation in a 36 inch location.

All these things are normal with your microwave oven.

- Steam or vapor escaping from around the door.
- Light reflection around door or outer case.
- Dimming oven light and change in blower sound may occur while operating at power levels other than high.
- Dull thumping sound while oven is operating.

• Some TV-Radio interference might be noticed while using your microwave oven. It's similar to the interference caused by other small appliances and does not indicate a problem with your oven.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do Not Attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do Not Place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) Do Not Operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
- door (bent)
- (2) hinges and latches (broken or loosened)
- (3) door seals and sealing surfaces.
- (d) The Oven Should Not be adjusted or repaired by anyone except properly qualified service personnel.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE IMPORTANT SAFETY INSTRUCTIONS A Recognize this symbol as a safety precauti

A Recognize this symbol as a safety precaution SAVE THESE INSTRUCTIONS

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

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

- 1. Read all instructions before using this appliance.
- 2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on the previous page.
- 3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on the following page.
- 4. Do not mount this appliance over a sink. Install or locate this appliance only in accordance with the provided Installation Instructions.
- 5. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This microwave is specifically designed to heat or cook food, and is not designed for laboratory or industrial use.
- 6. Some products such as whole eggs and sealed containers—for example, closed jars—will explode and should not be heated in this microwave oven. Such use of the microwave oven could result in injury.

- 7. As with any appliance, close supervision is necessary when used by children.
- 8. Do not operate this appliance if it has a damaged power cord or plug, if it is not working properly, or if it has been damaged or dropped.
- 9. This appliance should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair or adjustment.
- 10. Do not cover or block any openings on the appliance.
- 11. Do not store this appliance outdoors. Do not use this product near water—for example, in a wet basement, near a swimming pool or near a sink.
- 12. This microwave oven is not approved or tested for marine use.
- 13. Do not store anything directly on top of the microwave oven surface when the oven is in operation.
- 14. Do not immerse power cord or plug in water.
- 15. Do not let cord hang over the edge of table or counter.
- 16. Do not use this appliance for canning, deep fat frying, or heating baby bottles.
- 17. Keep power cord away from heated surfaces.
- 18. See door surface cleaning instructions in the Care and Cleaning section(s) of this book.

A WARNING

- 19. To reduce the risk of fire in the oven cavity:
 - a. Do not use the oven cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the oven when not in use.
 - b. Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - c. Remove wire twist-ties from paper or plastic bags before placing bags in oven.
 - d. If materials inside oven should ignite, keep oven door closed, turn oven off, and disconnect power cord, or shut off power at the fuse or circuit breaker panel.
- 20. This over-the-range oven was designed for use over ranges no wider than 42 inches. It may be installed over both gas and electric cooking equipment.
- 21. Clean the vent hood often. Do not allow grease to build up on the hood or the filter.
- 22. Use care when cleaning the vent hood filter. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the filter.
- 23. When flaming foods under the hood, turn the fan off. The fan, if operating, may spread the flame.

(continued next page)

IMPORTANT SAFETY INSTRUCTIONS (continued)

UNPACKING THE OVEN

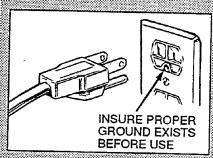
Inspect the oven for any damage, such as dents or holes on the screen of the door or dents inside the oven cavity. Any dents or breakage should be reported to your Amana dealer immediately. You will be told if the unit will operate correctly.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded. Do not use a two-prong adapter.

∆WARNING-

Improper use of the grounding plug can result in a risk of electrical shock, personal injury or death.



Consult a qualified electrician or serviceperson if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded. Do not use an extension cord. If the power cord is too short, have a qualified electrician or service person install an outlet near the appliance. This oven should be plugged into a separate 120 volt, 15 amp, 60

hertz circuit. When a microwave is on a circuit with other appliances, an increase in cooking time may be required and fuses can be blown.

SAFETY INSTRUCTIONS

Read and follow these Rules for Safe Operation.

This microwave oven is designed to be safe and reliable. As with all appliances, there are certain rules to follow. Make sure everyone who cooks with this oven is familiar with this product's operation and with these precautions.

PRECAUTIONS

Hot foods and steam can cause burns. Be careful when opening any containers of hot food, including popcorn bags, cooking pouches and boxes. To prevent possible injury, direct steam away from hands and face.

- (a) Always press STOP/RESET before programming the oven.
- (b) AWARNING—Liquids must be briskly stirred or poured (to mix in air) before being heated in a microwave oven. If air is not mixed into a liquid, the liquid can erupt in the oven or after removal from the oven
- (c) Home canning must not be done in a microwave oven. Home canning is generally done with metal lids. Since metal lids reflect microwaves, you cannot be assured that the food product will be heated uniformly to 212°F or above, and there is a probability of deterioration of the food product. USDA extension specialists do not recommend home canning in microwave ovens.

- (d) Deep fat frying must not be done in any microwave oven. The fat could overheat and be hazardous to handle.
- (e) AWARNING—Do not heat sealed containers in any microwave oven.
 Containers with restricted openings, such as syrup bottles, must not be used for cooking. Food or liquid could expand quickly and cause the container to break
- (f) Regular cooking thermometers must not be used in a microwave oven. Most cooking thermometers contain mercury and may cause "arcing," malfunction, and/or damage to the oven.
- (g) Plastic bags (and other airtight containers) must always be pierced or opened before heating in a microwave oven. This is needed to allow steam to escape during cooking.
- (h) Metal or ceramic accessories which have been specially designed to absorb microwave energy to provide heat ("active" accessories such as browning skillets) may be used with caution. Be sure to test any such device before use and to carefully read and follow manufacturer's instructions provided with the accessory. Any questions concerning these accessory products should be referred to the accessory manufacturer, Amana Refrigeration, Inc., does not endorse any brand of accessory. Remember that all microwave accessories are not "top quality"; some may not be suitable for microwave cooking. Caution must be used when purchasing microwave accessories.
- (i) Newspapers must never be used in a microwave oven since they may ignite.

- (j) Paper towels which contain nylon or other synthetic fibers woven through them must not be used because the heated synthetics could melt and cause the paper to ignite.
- (k) Use only popcorn packages designed and labeled for microwave use. Pop according to package directions, beginning with the minimum amount of time recommended. Pop until bag has expanded and there are one to two seconds between pops. Popcorn yields may vary. Do not continue to heat after popping has stopped, since popcorn will scorch or burn. Do not leave oven unattended.
- (1) If you're using a microwave popcorn popper, use according to manufacturer's instructions. Do not continue to heat after popping has stopped, since popcorn will scorch or burn. Do not leave oven unattended.

THE EXHAUST HOOD

(a) Have it installed and properly grounded by a qualified installer. See the special installation booklet packed with the microwave oven.

ACAUTION_™

avoid personal injury, turn power OFF before cleaning or servicing blower.

(b) This product is equipped with a thermostat which may start the blower automatically.

- (c) The exhaust fan in the oven will operate automatically under certain conditions (see Automatic Fan Feature). While the fan is operating, caution is required to prevent the starting and spreading of accidental cooking fires while the exhaust fan is in use. For this reason:
- —Never leave surface units unattended at high heat settings. Boilover causes smoking and greasy spillovers that may ignite and spread if exhaust fan is operating. To minimize automatic fan operation, use adequate sized cookware and use high heat settings only when necessary.
- —In the event of a grease fire, smother flaming pan on surface unit by covering pan completely with well-fitting lid, cookie sheet or flat tray.
- —Clean the vent hood often. Do not allow grease to build up on the hood or the filter.
- —Use care when cleaning the vent hood filter. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the filter.
- —When flaming foods under the hood, turn the fan off. The fan, if operating, may spread the flame.

OVEN SHELF ACCESSORY

- —Remove the shelf from oven when not in use.
- —Do not store or cook with shelf on floor of oven. Product damage may result.
- —Use pot holders when handling the shelf and cookware. They may be hot.
- —Do not use microwave browning dish on shelf. The shelf could overheat.
- —Use the shelf only when cooking on two levels.
- —Be sure that the shelf is positioned properly inside the oven to prevent product damage. Use of shelf with Popcorn feature is not recommended (see the Popcorn section).

SAVE THESE INSTRUCTIONS

This microwave oven is UL listed for installation over electric and gas ranges.

See installation instructions for minimum allowable clearances.

Your Touch Control Panel

The Touch Control Panel allows you to set the oven controls with the touch of a finger. It's designed to be easy to use and understand.

When You Plug in the Oven

The display panel displays five 8's, 18 POWER and all of the oven functions. After 15 seconds, all lights disappear and "RESET" appears in the upper portion. Touch the STOP/RESET pad, set the Clock and oven is ready for use.

If power is disrupted at any time, the above sequence recurs, and you must reset Clock after touching the STOP/RESET pad.

- "PRObE" Appears on the Display
- Probe has been forgotten when Auto Roast or Accu-Temp function is being used.
- Probe is not securely seated in oven wall receptacle.
- 1. DISPLAY. Displays time of day, time or temperature during cooking functions, power level being used, cooking mode and instructions.
- 2. ACCU-THAW. Gentle thawing at automatic power level 3 (Low).
- 3. PROGRAM 1 & 2. Microwave for a selected amount of time using automatic power level 10 (High).
- 4. EXPRESS COOK. Touch the number 1 through 5 pads for 1 to 5 minutes of cooking at power level 10. For example, touch 2 then START for 2 minutes at power level 10.
- 5. CLOCK. Touch this pad to enter time of day or check time of day while microwaving. To set clock, first touch CLOCK pad and then enter time of day. For example, if time is 1:30, touch number pads 1, 3 and 0 and "1:30" will appear in display. Then touch START or CLOCK pad. To reset or change time, simply repeat above process.
- 6. COOKMATIC LEVEL. Touch this pad before entering another power level number if you want to change from automatic power level 10 (High) for cooking or power level 3 (Low) for defrosting.
- 7. START. After all selections are made, touch this pad to start the oven.
- 8. AUTO START. Allows you to program your oven to begin cooking at a preset time of day—up to a 12-hour delay. The Reminder feature can be used like an alarm clock.
- 9. REHEAT. Use Reheat for quick reheating of a variety of foods using different times and power levels.

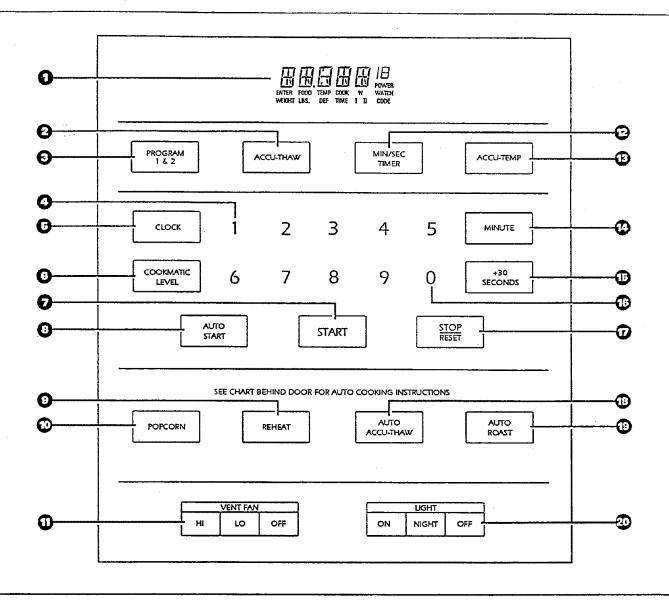
- 10. POPCORN. Touch this pad, then START to cook prepackaged microwave popcorn weighing 3.0 to 3.7 ounces.
- 11. VENT FAN. Press HI, LO or OFF for the different fan speeds.
- 12. MIN/SEC TIMER. This feature uses no microwave energy. It functions as either a kitchen timer, as a holding period after defrost or as a delay timer before time or temperature cooking.
- 13. ACCU-TEMP. Use the temperature probe to cook by using a preset temperature. Once food reaches preset temperature, oven switches to HOLD setting and maintains that temperature until you touch the STOP/RESET pad.
- 14. MINUTE. Use with number pads to enter whole minutes. For example, for 4 minutes touch 4 and MINUTE.
- 15. +30 SECONDS. Press this pad to add 30 seconds to the cook time as it's counting down.
- 16. NUMBER PADS. Touch these pads to enter cooking time, defrosting time, time of day, temperature, power level, or food weights for Auto Accu-Thaw.
- 17. STOP/RESET. When touched, it shuts off the oven and erases all settings (except time of day).
- 18. AUTO ACCU-THAW. Touch this pad and food weight, then START. The oven automatically sets power levels and defrosting time.
- 19. AUTO ROAST. Insert probe. Touch this pad, the desired number pad for code, then START. The oven slow-cooks meat with the automatic preset program.
- 20. LIGHT. Touch ON to turn on hood light. Touch NIGHT to turn on night light.

Automatic Fan Feature

This microwave oven has an automatic fan feature to protect it from too much heat rising from the cooktop or range beneath it. It automatically turns on at a low speed if it senses too much heat.

If you have turned the fan on you may find that you cannot turn it off. This is because the automatic fan has come on to protect the internal parts of the microwave.

The fan will automatically turn off when the internal parts are cool. It may stay on for 30 minutes or more after the range and microwave controls have been turned off.



Microwaving Tips

• Make sure all cookware used in your microwave oven is suitable for microwaving. Most glass casseroles, cooking dishes, measuring cups, custard cups, pottery or china dinnerware which does not have metallic trim or glaze with a metallic sheen can be used. Some cookware is labeled "suitable for microwaving."



If you are not sure if a dish is microwave-safe, use this test: Place in the oven both the dish you are testing and a glass measuring cup filled with one cup water—set the measuring cup either in or next to the dish. Microwave 1 minute at high. If the dish heats, it should not be used for microwaving. If the dish remains cool and only the water in the cup heats, then the dish is microwave-safe.

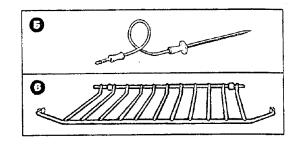
- Paper towels, waxed paper and plastic wrap can be used to cover dishes in order to retain moisture and prevent spattering. Be sure to vent plastic wrap so steam can escape.
- Some microwaved foods require stirring, rotating or rearranging.
- Steam builds up pressure in foods which are tightly covered by a skin or membrane. Pierce potatoes, egg yolks and chicken livers to prevent bursting.

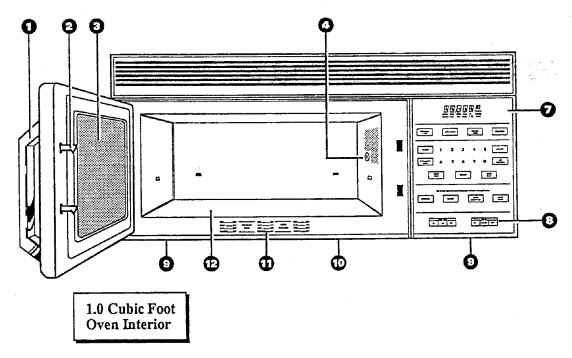
If you use a meat thermometer while cooking, make sure it is safe for use in microwave ovens.

Features of Your Microwave Oven

Cooking Complete Reminder (For all cooking features except Accu-Temp and Auto Roast code 4)

To remind you that you have food in the oven, the oven will display "End" and beep once a minute until you either open the oven door or touch the STOP/RESET pad.





- 1. Door Handle. Pull to open door. Door must be securely latched for oven to operate.
- 2. Door Latches.
- 3. Window with Metal Shield. Screen allows cooking to be viewed while keeping microwaves confined in oven.
- 4. Receptacle for Temperature Probe. Probe must be securely inserted into receptacle before oven will start any temperature or Auto Roast cooking.
- 5. Temperature Probe. Use with Accu-Temp and Auto Roast functions only.
- 6. Shelf. Lets you microwave several foods at once. Use this shelf only when cooking foods on two levels. Food microwaves best when placed directly on the oven floor. (See Safety Instructions and Guide to Use of the Oven Shelf sections for special instructions.)
- 7. Touch Control Panel and Digital Display. For detailed information on each feature, see Your Touch Control Panel section.

- 8. Hood Controls. Vent Fan. Press HI, LO or OFF. Light. Press ON, NIGHT or OFF.
- 9. Grease Filters.
- 10. Cooktop Light.
- 11. Auto Accu-Thaw and Auto Roast Guide.
- 12. Oven Floor.

NOTE: Rating plate, oven vent(s) and oven light are located on the inside walls of the microwave oven.

This is to certify that this unit has been tested in conformance with AMCA Bulletin No. 210.	C.F.M. at 0.10 WG 215 Vert. 224 Hor.	SONES 6.3 Vert. 5.9 Hor.
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How to Use the Minute/Second Timer

The Minute/Second Timer has three timing functions:

- It operates as a minute timer.
- · It can be set to delay cooking.
- It can be used as a hold setting after defrosting.

The Minute/Second Timer operates without microwave energy.

Using a Holding Time

The Minute/Second Timer can also be used to program a "holding time" between microwave cooking functions. The time can range from one second to 99 minutes and 99 seconds. A holding or standing time may be found in some of your own recipes or in a cookbook.

How to Time a 3-Minute Phone Call

Step 1: Touch MIN/SEC TIMER pad.

Step 2: Touch number pad 3 and MINUTE pad (for 3 minutes and no seconds).

Step 3: Touch START. Display shows time counting down. The timer signals when time is up.

Programming Delayed Cooking

To delay cooking up to 99 minutes and 99 seconds, touch either PROGRAM 1 & 2, ACCU-TEMP or AUTO ROAST and enter cook time, temperature or code. Touch MIN/SEC TIMER and enter number of minutes to delay cooking. When delaying Accu-Temp or Auto Roast cooking, be sure probe is in food. Touch START. Timer will count down to zero and cooking will begin.

How to Defrost, Hold and Time Cook

Let's say you want to defrost a frozen casserole for 15 minutes, hold for 10 minutes and then Time Cook for 25 minutes. Here's how to do it:

Step 1: Take casserole from freezer and place in oven.

ACCU-THAW

Step 2: Touch ACCU-THAW pad.

MINUTE

Step 3: Touch pads 1, 5 and MINUTE for 15 minutes defrosting time. (Defrosting is automatically set on power level 3 but can be changed by touching the COOKMATIC LEVEL pad and the desired power level.)

MIN/SEC TIMER

Step 4: Set standing or hold time by touching MIN/SEC TIMER pad.

Step 5: Touch 1, 0 and MINUTE to hold for ten minutes.

PROGRAM 1 & 2

Step 6: Touch PROGRAM 1 & 2 pad.

Step 7: Touch 2, 5 and MINUTE for 25 minutes of cooking time.

START

Step 8: Touch START. As each function is automatically performed, oven display shows instructions entered and the function. When time is up, the oven signals and flashes "End."

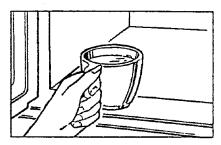
Cooking by Time

Program 1

Time Cook allows you to microwave for a selected amount of time.

Power level 10 (High) is recommended for most cooking, but you may change this for more flexibility.

To become better acquainted with time cooking, make a cup of coffee by following the steps below.



Step 1: Fill a cup 2/3 full of water, add 1 teaspoon of instant coffee and stir to dissolve. Use a cup that has no metal decoration and is microwave-safe (refer to Microwaving Tips section). Place cup in oven and close door.

PROGRAM 1 & 2

Step 2: Touch PROGRAM 1 & 2 pad.

MINUTE

Step 3: Select your time. Touch 1 and MINUTE pad for one minute.

Because automatic power level 10 is recommended for this cup of coffee, there is no need to change the power level. (If power level 10 is not appropriate, see "How to Change Power Level" below.)

START

Step 4: Touch the START pad.

Step 5: When time is up, the oven signals and flashes "End." The oven, light and fan shut off.

Step 6: Open the door.

If you interrupt Cooking by Time to check the food, simply close the door and press START to resume cooking. If there is not time remaining on the timer you must reset the timer to resume cooking.

How to Change Power Level

After setting cooking time, touch COOKMATIC LEVEL pad, then touch desired number for new power level. Then touch START.

Using the Program 2 Feature

The Program 2 feature lets you set two time cooking functions within one program. This is ideal if you want to change power levels during your cooking operations. Here's how to do it.

Step 1: Place food in oven in microwave-safe container and close the door.

PROGRAM
1 & 2

Step 2: Touch PROGRAM 1 & 2.

Step 3: Select your first cook time. For example, touch 2, 1 and 5 for two minutes and 15 seconds.

Step 4: Touch PROGRAM 1 & 2.

Step 5: Set your second cook time.

Step 6: Change the power level.

How to Change Power Level

After setting cooking time, touch COOKMATIC LEVEL pad, then touch desired number for new power level.

Step 7: Touch START.

Step 8: At the end of "COOK TIME I," the second power level is displayed and "COOK TIME II" is shown counting down.

Step 9: When time is up, the oven signals and flashes "End." The oven, light and fan shut off.

Step 10: Open the door.

If you interrupt Cooking by Time to check the food, simply close the door and press START to resume cooking. If there is not time remaining on the timer you must reset the timer to resume cooking.

The Express Cook Feature

The Express Cook feature is a short-cut method to set time for 1-5 minutes.

To Express Cook your food or beverage:

Step 1: Touch a number pad (from 1 to 5) that corresponds with the amount of your desired cooking time (in minutes). For example, touch the 2 pad for 2 minutes of cooking time.

Step 2: Touch the START pad.

The oven will automatically signal, flash "End" and shut off at the end of the programmed time.

+30 Seconds

+30 SECONDS

The +30 Seconds feature provides a convenient way to extend cooking time by 30 seconds while the oven timer is counting down. It will add 30 seconds to the time shown each time the pad is touched.

How to Use Auto Start

The Auto Start feature allows you to program your oven to begin cooking at a preset time of day—up to a 12-hour delay.

AUTO START

Step 1: Touch AUTO START pad.

Step 2: Enter the time you want the oven to start. (Be sure your microwave oven clock shows the correct time of day.)

Step 3: Enter your desired cooking program.

Step 4: Touch START pad. The oven will automatically start at the desired time.

How to Use Reminder

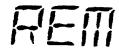
The Reminder feature can be used like an alarm clock, without starting the oven.

Example: It is 7 a.m. and you must remember to leave for a dentist appointment at 10 a.m.

AUTO START

Step 1: Touch AUTO START pad.

Step 2: Enter the time you want the oven to remind you. (Be sure your microwave oven clock shows the correct time of day. The reminder time can be set up to 12 hours later).



Step 3: Touch START pad. The reminder is now set at the time you programmed, and will signal you at that time with a beeping sound until you open the door or touch the STOP/RESET pad. The display will show REM until the oven door is opened or STOP/RESET is touched. The REMinder time may be displayed by touching the AUTO START pad. The time-of-day may be displayed by touching the CLOCK pad.

Auto Accu-Thaw

With the Auto Accu-Thaw feature, the oven automatically sets the defrosting times and power levels for you.

Use the Auto Accu-Thaw guide on the next page. Enter the food weight in pounds and tenths of a pound (see Conversion Guide at right). Then touch START pad.

The oven calculates defrosting time and changes power levels during defrosting to give even defrosting results.

How to Set Auto Accu-Thaw

Before you begin, check the guide located at front of oven when you open the door. It shows minimum and maximum food weights for a variety of foods. You will need to know your food weight before setting Auto Accu-Thaw.

Step 1: Remove food from package, place in oven on microwave-safe dish and close door.

AUTO ACCU-THAW

Step 2: Touch the AUTO ACCU-THAW pad.

1234567890

Step 3: Enter weight. For example, touch number pads 1 and 2 for weight of 1.2 pounds (1 pound, 3 ounces. See Conversion Guide at right.)

START

Step 4: Touch START pad. Display shows defrost time counting down.



Twice during defrosting, the oven beeps 4 times and "TURn" flashes. Follow the directions in the Auto Accu-Thaw Guide for what to do at the first and second signal. Then close the door and touch START. (Defrosting continues during "TURn" display.)

When defrosting time is completed, "End" flashes and oven beeps 4 times. "End" remains on display and oven beeps every minute until door is opened or STOP/RESET pad is touched.

Stand Time

After Auto Accu-Thawing, meat needs to stand in order to let the inside defrost. You may take the food out of the oven if you wish. Stand time recommendations are given in the guide on the next page.

Conversion Guide

If the weight of food is stated in pounds and ounces, the ounces must be converted to tenths (.1) of a pound.

Ounces	Pounds
1–2	.1
3	.2
45	.3
6–7	.4
8	.5
9–10	.6
11	.7
12–13	.8
14–15	.9

Auto Accu-Thaw Guide

- 1. Unwrap item being defrosted.
- 2. Place roasts and whole poultry on trivet in microwave-safe dish. Check food for warm spots halfway through defrosting, and shield these areas with small pieces of foil.

RECOMMENDED FOODS	MINMAX. WEIGHT	INSTRUCTIONS	STAND TIME
Meat			
Chops	0.1 - 6.0 lbs.	Separate, turn over and shield where necessary.	5 minutes
Frankfurters, Sausage	0.1 - 6.0 lbs.	Separate and remove defrosted pieces.	2 minutes
Ground Meat	0.1 - 6.0 lbs.	Turn over, remove defrosted areas and break apart.	5 minutes
Beef Patties	0.1 - 6.0 lbs.	Turn over and separate patties. Remove defrosted pieces.	5 minutes
Roast	0.1 - 6.0 lbs.	Turn over and shield.	30-90 minutes
Ribs	0.1 - 6.0 lbs.	Separate, turn over and remove defrosted pieces. Shield if necessary.	5 minutes
Steak	0.1 - 6.0 lbs.	Turn over and shield.	5 minutes
Stew	0.1 - 6.0 lbs.	Separate and remove defrosted pieces.	5 minutes
Poultry			
Whole Chicken	0.1 - 6.0 lbs.	Turn over and shield.	10 minutes; run cold water in cavity.
Turkey Breast (breast side up)	0.1 - 6.0 lbs.	Turn over and shield.	20 minutes in refrigerator
Chicken Pieces	0.1 - 6.0 lbs.	Separate and remove defrosted pieces.	5 minutes
Cornish hens (whole)	0.1 - 6.0 lbs.	Turn over and shield where necessary.	10 minutes; run cold water in cavity.
Cornish hens (split)	0.1 - 6.0 lbs.	Turn over and shield.	5 minutes
Seafood			
Fish fillets	0.1 - 6.0 lbs.	Separate and remove defrosted pieces.	5 minutes
Shrimp, scallops	0.1 - 6.0 lbs.	Separate and remove defrosted pieces.	5 minutes
Whole fish	0.1 - 6.0 lbs.	Turn over and shield tail and head.	5 minutes; hold under cold running water.

Edges or thin areas of meat will defrost more rapidly than other areas. After first or second signal, shield warm areas with small pieces of foil.

Defrosting by Time

Accu-Thaw (Power Level 3)

Accu-Thaw is designed for speedy thawing of frozen food and is one of the great advantages of a microwave oven.

Use the Accu-Thaw setting to quickly thaw foods such as bread, rolls, vegetables, fruits and frozen dinners.

 Power level 3 is automatically set when you press ACCU-THAW pad, but you may change this for more flexibility.

How to Change Power Level

After setting defrosting time, touch COOKMATIC LEVEL pad, then touch desired number for new power level. Then touch START.

To become better acquainted with the defrost function, defrost a 10 oz. package of frozen strawberries by following the steps below.

Step 1: Place package of frozen strawberries in the oven and close door. Be sure package contains no metal.

ACCU-THAW

Step 2: Touch ACCU-THAW.

Step 3: Select one half of the total defrosting time recommended. For example, touch 4 and MINUTE pad for 4 minutes.

START

Step 4: Touch START. When the cycle is completed, the oven signals and flashes "End," then automatically shuts off. Step 5: Turn the package over, close the door and repeat Steps 2 and 3 to set remaining half of defrosting time and touch START.

Step 6: When the oven signals and flashes "End," open the door, remove the package and separate strawberries to finish defrosting.

Defrosting Tips

• Foods frozen in paper or plastic can be defrosted in the package.



• For even defrosting, some foods need to be broken up or separated part of the way through the defrosting time.



- Family-size, pre-packaged frozen dinners can be defrosted and microwaved. If the food is in a foil container, transfer it to a microwave-safe dish.
- Foods that spoil easily, such as milk, eggs, fish, stuffings, poultry and pork should not be allowed to sit out for more than one hour after defrosting. Room temperature promotes the growth of harmful bacteria.

Questions and Answers

Q. When I press START, I hear a dull, thumping noise. What is it?

A. This sound is normal. It is letting you know the oven is using a power level lower than 10 (High).

Q. Can I defrost small items in a hurry?

A. Yes, but they will need more frequent attention than usual. Raise the power level after entering the time by touching the desired power level pad. Power level 7 cuts the total defrosting time in about 1/2; Power level 10 cuts the total defrosting time to approximately 1/3. During either, rotate or stir food frequently.

Cooking by Temperature

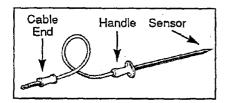
Internal temperature is the best test of doneness for many foods.

Use Accu-Temp to cook a variety of foods to the desired finished food temperature. The Program 1 & 2 setting is recommended for batters, doughs, frozen foods and foods which are difficult to cook precisely with the probe.

Accu-Temp takes the guesswork out of cooking, because the oven automatically switches to "Hold" setting after reaching the preset food temperature and maintains that temperature until you touch the STOP/RESET pad.

NOTE: Oven automatically switches to "Hold" when preset food temperature is reached.

The Temperature Probe



The temperature probe is a food thermometer that gauges the internal temperature of your food. (Its appearance may vary from picture above.) The probe must be used when using Accu-Temp or Auto Roast. To use the probe properly, follow directions in the Automatic Roasting section.

How to Cook a Rolled Beef Rib Roast to Medium Using Accu-Temp

Step 1: Insert temperature probe and attach probe securely in oven wall. Close the door.

ACCU-TEMP

Step 2: Touch ACCU-TEMP pad. Step 3: Touch 1, 6 and 0 for 160°F.

> COOKMATIC LEVEL

Step 4: Touch COOKMATIC LEVEL pad. Touch 5 for medium power.

START

Step 5: Touch the START pad. If internal temperature of the roast is less than 90°F., display will show "COOL"; if temperature is 90°F. or above, display shows temperature counting up.

Step 6: When 160°F, is reached, the oven will sound and display "Hold." The oven will then hold the temperature.

STOP RESET

Step 7: Touch the STOP/RESET pad to stop the cycle.

Step 8: Remove probe and food from the oven.

Cooking Tips

- Use a lower power level; foods will heat more evenly though requiring more time.
- Be sure frozen food has been completely defrosted before inserting probe. Probe may break off if used in frozen foods.
- Cover foods loosely for moisture control and quick, even heating.

Questions and Answers

Q. Why did "PRObE" flash on the display after I touched the START pad?

A. "PRObE" will flash if you don't seat the cable end of the probe securely into the receptacle in the oven wall or if you touch the ACCU-TEMP pad and forget to use the probe.

Q. Can I leave my probe in the oven if it's not inserted in food?

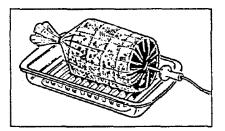
A. No, if it touches the oven wall, it may damage the oven.

Automatic Roasting

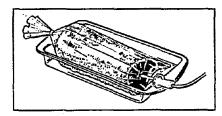
Auto Roast uses the temperature probe to cook to the desired serving temperature. Unlike Accu-Temp, which uses a single power level, Auto Roast uses up to 3 power settings which automatically switch during roasting, thus providing even, tender cooking results without overcooking.

Just as in regular roasting, only tender roasts should be roasted until specified internal temperatures are reached. Less tender roasts should be microwaved by time.

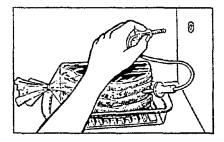
Preparing Roasts for Auto Roast Cooking



Place tender beef roast in cooking bag on trivet in microwave-safe dish. (Refer to package instructions for proper use of cooking bag.) Insert probe through cooking bag horizontally into the center meaty area not touching bone or fat. Make sure the handle does not touch the food or top or sides of the oven.



Place pork roast in cooking bag and place in microwave-safe dish.



Place meat in oven with probe to the right. Insert cable end of probe firmly into receptacle on oven wall.

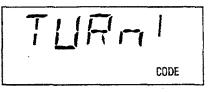
How to Roast Beef to Medium

AUTO ROAST

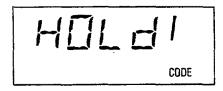
Step 1: Touch AUTO ROAST pad. Touch number pad 1. Touch START. (See the Auto Roast Guide for complete list of recommended codes.)



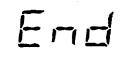
NOTE: By touching the AUTO ROAST pad during cooking, the meat's internal temperature will be displayed. ("COOL" will be displayed until meat reaches 90°F.) When pad is released, doneness code reappears on the display.



Step 2: When you select Auto Roast codes 1 or 2, the oven signals with 4 beeps and "TURn" flashes on the display when it's time to turn the roast over. After you turn the roast, close the door and touch START. (NOTE: Oven continues to cook after the signal whether or not roast is turned over.)



Step 3: After a pre-programmed food temperature is reached, oven beeps 4 times and "HOLd" appears on the display.



Step 4: Food will be held at this temperature for 60 minutes. The oven then beeps 4 times and "End" appears.

Auto Roast Guide

- Place meats in a cooking bag in microwave-safe dish. (Refer to package instructions for proper use of cooking bag.)
- Insert probe as described in the Automatic Roasting section.

Food	Code	Minimum End Temp.	Approx. Time (minutes per pound)	Hold* Minutes	Doneness Display
Beef (5 lb. max.) Tender Roast Medium Well	1 2	160°F. 170°F.	13-15 15-17	0 5-10	MEd WELL
Pork (5 lb. max.) Loin Roast	2	170°F.	15-19	10	WELL
Poultry (6 lb. max.) Turkey Breast (Insert probe horizontally into meatiest area.)	3	185°F.	17-20	10-15	WELL

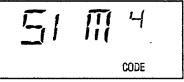
^{*}Recommended standing time before serving.

Automatic Simmer Guide (Auto Roast Code 4)

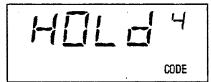
Food	Final Temp.	Approx. Time/Hours	Doneness Display	Comments
Beef Pot Roast	180°F.	5-7	SIM	Add enough liquid to just cover meat. If adding vegetables make sure they are completely covered by liquid.
Chili	180°F.	5-8	SIM	Precook meat. Place probe 1 inch from top surface. Stir after 3 hours, if possible.
Chicken Stewing	180°F.	4-6	SIM	Add 4 cups liquid. Insert probe into meatiest area of inner thigh from below end and parallel to leg. Turn over after 1/2 of time.
Broiler/Fryer	180°F.	3-4	SIM	Same procedure as above.
Ham/Pork Roast	180°F.	4-6	SIM	Add 4 cups liquid.
Soup Stock/ Vegetable	180°F.	7-10	SIM	Make sure that vegetables and meat are covered by liquid. Stir every 3 hours.
Split Pea	180°F.	5-7	SIM	Add enough liquid to cover peas at least 2 inches. Stir after 3 hours.

Automatic Simmer (Auto Roast Code 4)

Total time includes time to bring food to 180°F., and hold at that temperature until done.



Set Auto Simmer like Auto Roast as explained in the Automatic Roasting section. Display shows "SIM" and "CODE 4."



Oven switches to Hold at 180°F, and continues holding at 180°F, until you remove food and touch STOP/RESET pad. If stirring is recommended, you can restart oven by touching the START pad again. Touch STOP/RESET pad to turn oven off.

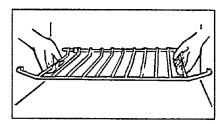
Guide to Use of the Oven Shelf

- Use the shelf only when cooking food on 2 levels.
 Food microwaves best when placed directly on the oven floor.
- Do not store or cook with metal shelf on floor of oven.
 Product damage may result.
- Use pot holders when handling metal shelf and cookware. They may be hot.
- Do not store microwave browning dish on metal shelf.
- Use of the shelf with Popcorn program is not recommended.

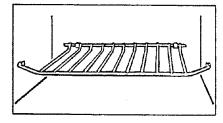
The two-position wire shelf is specifically designed for added capacity heating and reheating in your microwave oven. Now more than one food may be heated or reheated and ready to serve at the same time.

Batters and dough foods and also uncooked foods which need to be prepared from scratch should be cooked without the oven shelf.

Positioning the Shelf



To insert shelf, tip the back slightly and fit the shelf support guides onto the support guides located on each side of the oven in the rear.



Next, lower the front until the shelf support guides fit onto the support guides located at each side of the oven in the front.

When properly positioned, the shelf should fit snugly in place, be level and not touch the back or side wall of the oven.

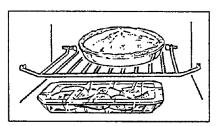
If arcing occurs when using the shelf to cook more than one food at the same time, turn the oven off. Make sure the shelf is not touching oven walls. To prevent arcing, remove the shelf when you are not using it.

How to Reheat Several Different Types of Foods Together

When heating several different types of food together, foods which should be served hot must be placed on the oven floor, while foods which need only to be warmed should be placed on the shelf. This is because microwave energy enters the oven from the bottom only. Also, it is important to remember that foods absorb microwave energy at different rates. Rates can be affected by the size of the food, and its starting temperature.

Because of the varying rates, you may need to start reheating a large or dense food a few minutes ahead of time, then add other smaller or less dense foods. Alternately, if one of the foods you are heating seems undercooked but the others are heated satisfactorily, let the underheated food continue cooking.

Heat or reheat different types of food at High (10). To determine heating times, add times for all foods together. After half of time, stir or rearrange foods (do not reverse positions). Check foods (especially those on the oven floor) after 3/4 of total time and remove any which are done. Continue cooking others.



Place on the floor larger or more dense foods, which need the most heating, such as leftover fried chicken, casseroles of canned or leftover vegetables, rice or pasta. Place on the oven shelf those foods which need only be warmed, such as bakery pies, rolls, muffins or breads.

Pop popcorn on the microwave oven floor only. Popcorn placed on the oven shelf will not pop properly. Use a special microwave popcorn accessory or prepackaged popcorn labeled for use in microwave ovens.

Reheat

The Reheat feature is a short-term program to automatically reheat a beverage or previously cooked food. The oven turns off automatically after a preset amount of time.

Touch just 3 pads to use Reheat codes 1 to 6 to reheat many popular foods. See Reheat Guide at bottom of page.

REHEAT

Step 1: Touch REHEAT pad.

12345 67890

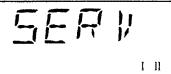
Step 2: Touch a number pad from 1 to 6 to select a food group.

START

Step 3: Touch START pad. Oven will signal and display remaining time counting down shortly before shut off.

To Reheat More Than One Serving

Reheat codes 1 through 5 let you heat up to three servings. To add more than one serving, just touch number pad 2 or 3 right before touching START.



The serving size may even be added after touching START. Just touch number pad 2 or 3. "SERV" and a number will be displayed briefly to show that serving size has been changed.

Reheat Guide

Code	Display	Time per serving	Foods Recommended
1	BREAD	20 sec.	Breads, pastries, pies, bakery goods
2	MEATS	1½ min.	Meats, casseroles, pizza, solid foods
3	VEGS	1½ min.	Fruits and vegetables
4	BEV	1½ min.	Beverages
5	SAUCE	2 min.	Soups, stews, sauces
6	PLATE	3¾ min. total	2 to 3 foods; 4 oz. each

Popcorn

The Popcorn feature is designed to be used only with prepackaged microwave popcorn weighing 3.0 to 3.7 ounces. NOTE: Pop popcorn on the microwave oven floor only. Popcorn placed on the metal shelf will not pop properly. Use a special microwave popcorn accessory or popcorn labeled for use in microwave ovens. See precautions in the Safety Instructions section.

POPCORN

Step 1: Touch POPCORN pad.

START

Step 2: Touch START pad. Oven will signal and display remaining time counting down shortly before shut off.

Light Microwave Popcorn

POPCORN

Step 1: Touch POPCORN pad. Step 2: Touch number pad 2.

START

Step 3: Touch START pad.

Adjust for Shorter or Longer Cook Time

If your favorite popcorn is undercooked, try this:



Touch the POPCORN pad.
Touch number pad 1 for regular microwave popcorn or touch number pad 2 for light microwave popcorn. Touch number pad 9.
A plus sign is displayed. The plus sign indicates 20 seconds is added to cooking time.

Then touch START pad.

If your favorite popcorn is overcooked, try this:



Touch the POPCORN pad.
Touch number pad 1 for regular microwave popcorn or touch number pad 2 for light microwave popcorn. Touch number pad 1.
A minus sign is displayed. The minus sign indicates 20 seconds less cooking time is being provided.

Then touch START pad.

Care and Cleaning



Keep your oven clean and sweetsmelling. Opening the oven door a few minutes after cooking helps air out the inside. An occasional thorough wiping with a solution of baking soda and water keeps the inside fresh.

Don't use sharp-edged utensils on your oven. The inside and outside oven walls can be scratched. The control panel can be damaged.

WARNING—to avoid the risk of electrical shock: Disconnect oven power cord from electrical outlet before cleaning.

ACAUTION—to avoid burns: Allow oven parts to cool before touching or handling. Proper care and cleaning procedures are essential for a long and satisfactory life for your oven.

How to Clean the Inside

Walls and floor. Some spatters can be removed with a paper towel, others may require a damp cloth. Remove greasy spatters with a sudsy cloth, then rinse with a damp cloth. Do not use abrasive cleaners on oven walls. NEVER USE A COMMERCIAL OVEN CLEANER ON ANY PART OF YOUR MICROWAVE OVEN.

Door (inside). Window: Wipe up spatters daily and wash when soiled with a damp cloth. Rinse thoroughly and dry.

Metal and plastic parts on door: Wipe frequently with a damp cloth to remove all soil. DO NOT USE ABRASIVES, SUCH AS CLEANING POWDERS OR STEEL AND PLASTIC PADS. THEY WILL DAMAGE THE SURFACE.

Special note when using Brown 'N Sear Dish: If grease is present, high heat generated on bottom of a Brown 'N Sear dish may cause the grease to burn onto the oven tray. This may be removed with a cleanser such as Bon Ami® brand cleanser.

After using Bon Ami® brand cleanser, rinse and dry thoroughly, following instructions on can. Do not use Bon Ami® brand cleanser on the painted surfaces such as the walls. It may scratch the paint.

Automatic Temperature Probe. Probe is sturdy, but care should be taken in handling. Do not twist or bend; avoid dropping temperature probe.

Clean as soon after using as possible. To clean, wipe with sudsy cloth, then rub lightly with plastic scouring ball if necessary. Rinse and dry or wash in dishwasher.

Shelf. Your shelf accessory is designed for use in a microwave oven only; do not use in a regular oven. Do not use a browning dish with the shelf. Arcing could occur.

Clean shelf with mild soap and water or in the dishwasher. Do not clean in a self-cleaning oven.

How to Clean the Outside

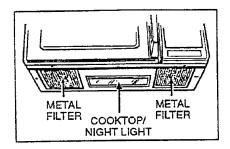
Case. Clean the outside of your oven with soap and damp cloth, rinse with a damp cloth and then dry. Wipe the window clean with a damp cloth. Chrome trim is best wiped with a damp cloth and then with a dry towel.

Control Panel. Wipe with a damp cloth. Dry thoroughly. Do not use cleaning sprays, large amounts of soap and water, abrasives or sharp objects on the panel—they can damage it.

Door Surface. When cleaning surfaces of door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.

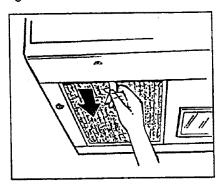
Power Cord. If the cord becomes soiled, unplug and wash with a damp cloth. For stubborn spots, sudsy water may be used, but be certain to rinse with a damp cloth and dry thoroughly before plugging cord into outlet.

The Exhaust Feature

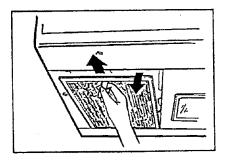


The exhaust hood feature on your microwave oven is equipped with two metal filters which collect grease. When the fan is operated, air is drawn up through the filters and is then discharged through the provided venting to the outside. The hood also has a light for illuminating the counter space.

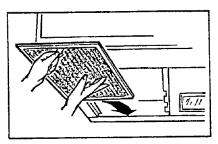
When the NIGHT LIGHT pad is touched, the hood light operates at a lower intensity for use as a night light.



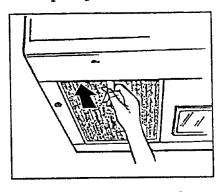
To remove grease filter, grasp the "finger hold" on the filter and slide to the rear.



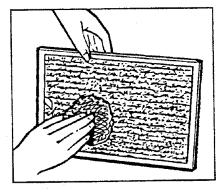
Then pull filter downward and to the front. The filter will drop out.



To replace grease filter, slide the filter in the frame slot on the back of the opening.



Pull filter upward and to the front to lock into place.

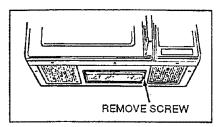


To clean grease filter, soak, then agitate filter in solution of hot water and detergent. Don't use ammonia or other alkali because they will darken metal. Light brushing can be used to remove embedded dirt. Rinse, shake and remove moisture before replacing. Filters should be cleaned at least once a month.

Never operate the microwave without the filters in place. In situations where flaming might occur on surfaces below hood, filter will retard entry of flames into the unit.

Light Bulb Replacement

Cooktop Light/Night Light



A

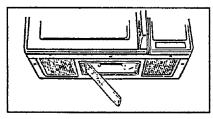
WARNING

To avoid the risk of burns or electrical shock:

- Disconnect the electric current to the appliance at the wall outlet fuse or breaker box.
- Wait until the oven and/or light bulbs are cool.

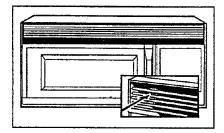
To replace combination cooktop light/night light, first disconnect power at main fuse or circuit breaker panel or pull plug.

Remove screw on right side of light compartment cover and lower cover until it stops.



Be sure bulbs to be replaced are cool before removing. Break the adhesive seal by gently unscrewing the bulbs. High intensity 40-watt bulbs (40S11N/1), which are available in supermarkets and hardware stores, may also be used for replacements. Raise light compartment cover and replace screw. Connect electrical power to microwave oven.

Oven Light



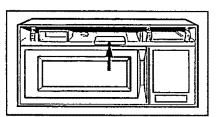


WARNING

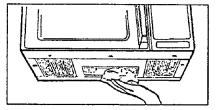
To avoid the risk of burns or electrical shock:

- Disconnect the electric current to the appliance at the wall outlet fuse or breaker box.
- Wait until the oven and/or light bulbs are cool.

To replace your oven light, first disconnect power at main fuse or circuit breaker panel or pull plug. Remove the top grill by taking out the 2 screws that hold it in place.



Next, remove the single screw located above door near center of oven that secures light housing. Replace burned-out bulb with a 30-watt incandescent bulb (R0712011), available from your Amana dealer. Secure light housing with screw.



Clean off the grease and dust on hood surfaces often. Use a solution of warm water and detergent. About 1 tablespoon of ammonia may be added to the water. Take care not to touch the filters and enamel surfaces with this solution; ammonia will darken metal.

Before You Call For Service

PROBLEM	POSSIBLE CAUSE
OVEN WILL NOT COME ON	• A fuse in your home may be blown or the circuit breaker tripped. Replace fuse or reset circuit breaker.
	• Unplug your microwave oven, then plug it back in.
	• Make sure 3-prong plug on oven is fully inserted into wall receptacle.
CONTROL PANEL	Door not securely closed.
LIGHTED, YET OVEN WILL NOT START	START pad must be touched after entering cooking selection.
	• Another selection entered already in oven and STOP/RESET pad not touched to cancel it.
	• Make sure you have entered cooking time after touching PROGRAM 1 & 2 pad.
	• STOP/RESET pad was touched accidentally. Reset cooking program and touch START pad:
	• Make sure you have entered a temperature after touching ACCU-TEMP pad.
	Make sure you have entered a code number after touching AUTO ROAST pad.
"PROBE" APPEARS ON DISPLAY	• Probe has been forgotten or not seated properly in oven wall when using Accu-Temp or Auto Roast function.
FLOOR OF THE OVEN IS WARM, EVEN WHEN THE	• The cooktop lamp is located directly below the oven floor. When the lamp is on, the heat it produces makes the oven floor get warm. This is normal.
OVEN HAS NOT BEEN USED	

All these things are normal with your microwave oven:

- Steam or vapor escaping from around the door.
- Light reflection around door or outer case.
- Dimming oven light and change in blower sound may occur while operating at power levels other_ than high!
- Dull thumping sound while oven is operating.
- Some TV-Radio interference might be noticed while using your microwave oven. It's similar to the interference caused by other small appliances and does not indicate a problem with your oven.

If you need more help...call, toll free: 1-800-843-0304 consumer information line