



Use And Care

GUIDE

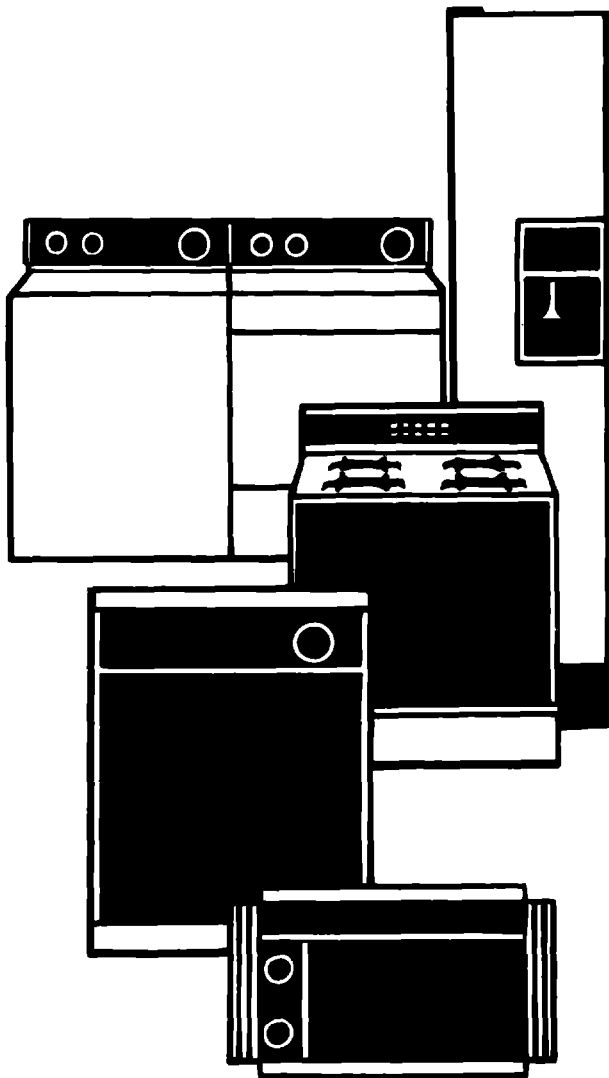


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1-800-44-ROPER

Call us with questions or comments.

MICROWAVE HOOD COMBINATION

PART NO. 3828W5A0610/4359621

MODEL MHE11REB/Q

8-98

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A Note to You

Thank you for buying a ROPER® appliance.

Your ROPER microwave oven gives you all the functionality of name brand appliances at a value price. To ensure that you enjoy years of trouble-free operation, we developed this Use and Care Guide. It is full of valuable information about how to operate and maintain your appliance properly and safely. Please read it carefully.

Also, please complete and mail the Ownership Registration Card provided with your appliance. This will help us notify you about any new information on your appliance.

Please record your model's information.

Whenever you call to request service for your appliance, you need to know your complete model number and serial number. You can find this information on the model and serial number plate (see diagram in the "Getting to Know" section for location of plate).

Please also record the purchase date of your appliance and your dealer's name, address, and telephone number.

Model Number _____

Serial Number _____

Purchase Date _____

Dealer Name _____

Dealer Address _____

Dealer Phone _____

Keep this book and the sales slip together in a safe place for future reference.

**Our Consumer Assistance Center
number is toll-free.**

1-800-44-ROPER

Microwave Oven Safety

Your safety is important to us.

This guide contains safety symbols and statements. Please pay special attention to these symbols and follow any instructions given. Here is a brief explanation of the use of the symbol.



This symbol alerts you to hazards such as fire, electrical shock, or other injuries.

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 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 – for example, closed glass jars – may 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.
- The microwave oven should be serviced only by qualified service personnel. Call an authorized Roper service company for examination, repair, or adjustment.
- Do not cover or block any openings on the microwave oven.
- Do not store the microwave oven outdoors. Do not use the microwave oven near water – for example, near a kitchen sink, in a wet basement, or near a swimming pool, and the like.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not let cord hang over edge of table or counter.
- See door surface cleaning instructions in the “Caring for Your Microwave Oven” section.
- Suitable for use above both gas and electric cooking equipment.
- Intended to be used above ranges with maximum width of 36 inches.

For microwave ovens with a ventilating hood:

- Clean Ventilating Hoods Frequently — Grease should not be allowed to accumulate on hood or filter.
- When flaming foods under the hood, turn the fan off. The fan, if operating, may spread the flame.
- Use care when cleaning the vent-hood filter. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the filter.

MICROWAVE OVEN SAFETY

- To reduce the risk of fire in the oven cavity:
 - Do not overcook food. Carefully attend the microwave oven if 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 bag in oven.
 - If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
- Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
- Do not mount over a sink.
- Do not store anything directly on top of the microwave oven when the microwave oven is in operation.

– SAVE THESE INSTRUCTIONS –

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY...

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

Electrical requirements

Observe all governing codes and ordinances. A 120 Volt, 60 Hz, AC only, 15 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.

⚠ WARNING



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 death, fire, or electrical shock.

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.

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


Consult a qualified electrician or serviceman if the grounding instructions are not completely understood, or if doubt exists as to whether the microwave oven is properly grounded.

Do not use an extension cord. If the power supply cord is too short, have a qualified electrician or serviceman install an outlet near the microwave oven.

For a permanently connected appliance:
This appliance 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 appliance.

Getting to Know Your Microwave Oven

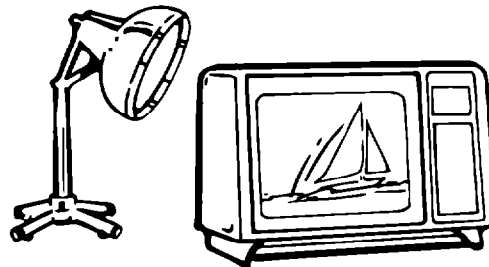
This section discusses the concepts behind microwave cooking. It also shows you the basics you need to know to operate your microwave oven. Please read this information before you use your oven.

	⚠ WARNING
	Explosion Hazard Do not store flammable materials such as gasoline near the microwave oven. Doing so can result in death, explosion, fire, or burns.

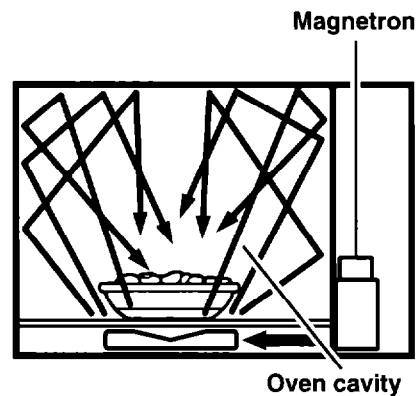
How your microwave oven works

Microwave ovens are safe. Microwave energy is not hot. It causes food to make its own heat, and it's this heat that cooks the food.

Microwaves are like TV waves or light waves. You cannot see them, but you can see what they do.

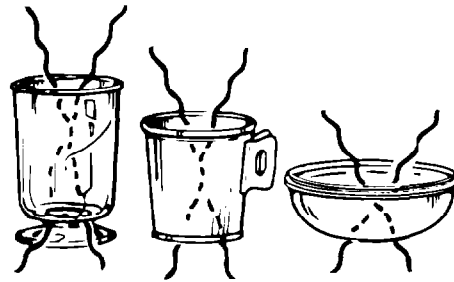


A magnetron in the microwave oven produces microwaves. The microwaves move into the area under the oven floor. There they bounce off the mixing antenna into the oven where they contact the food.



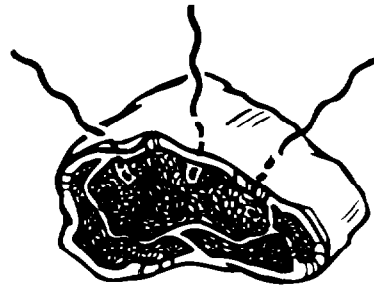
GETTING TO KNOW YOUR MICROWAVE OVEN

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.



Microwaves may not reach the center of a roast. The heat spreads to the center from the outer, 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.

The microwaves disturb water molecules in the food. As the molecules bounce around bumping into each other, heat is made, like rubbing your hands together. This is the heat that does the cooking.



NOTE: Do not deep fry in the oven. Microwavable utensils are not suitable and it is difficult to maintain appropriate deep frying temperatures.

For the best cooking results

- **Always cook** food for the minimum recommended cooking time. Then check for doneness to avoid overcooking the food.
- **Stir, turn over, or rearrange the food** being cooked about halfway through the cooking time for all recipes. This will help you make sure food is cooked evenly.
- **If you cannot find** a glass cover, use wax paper, paper towels, or microwave-approved plastic wrap. Turn back a corner to vent steam during cooking.

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.

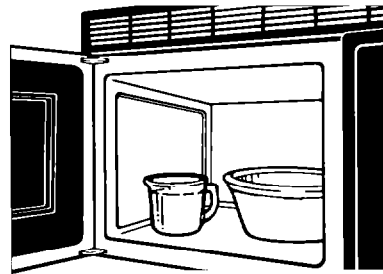
Testing your microwave oven

To test the oven put about 1 cup of cold water in a glass container in the oven. Close the door. Make sure it latches. Follow the directions on page 22 to set the oven to cook for 2 minutes. When the time is up, the water should be heated.



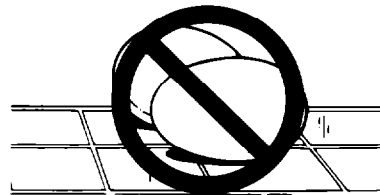
Testing your dinnerware or cookware

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 and water stays cool, do not use it.** Some dishes (melamine, some ceramic dinnerware, etc.) absorb microwave energy, becoming too hot to handle and slowing cooking times. 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 cook or reheat a whole egg inside the shell. Steam buildup in whole eggs may cause them to burst and burn you, 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.



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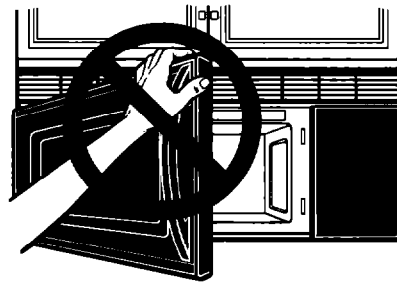
GETTING TO KNOW YOUR MICROWAVE OVEN

For best results, stir any liquid several times before 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 and possibly injure someone.

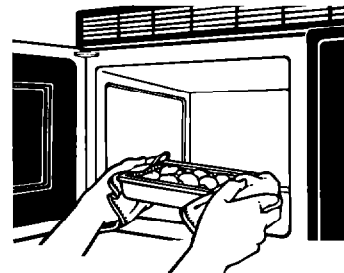


Stir before heating

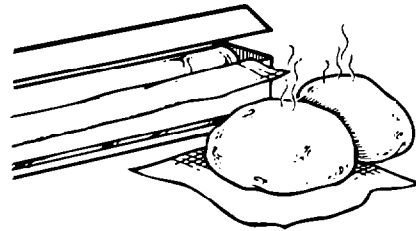
Never pull on the door or allow a child to swing on it when the door is open. Injury could result.



Use hot pads. Microwave energy does not heat containers, but heat from the food can make the container hot.



Do not overcook potatoes. Fire could result. At the end of the recommended cooking time, potatoes should be slightly firm because they will continue cooking during standing time. **After microwaving, wrap** potatoes in foil and **set aside** for 5 minutes. They will finish cooking while standing.

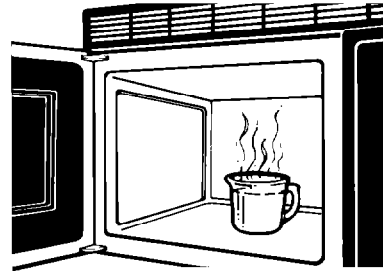


GETTING TO KNOW YOUR MICROWAVE OVEN

Do not start a microwave oven when it is empty. Product life may be shortened.

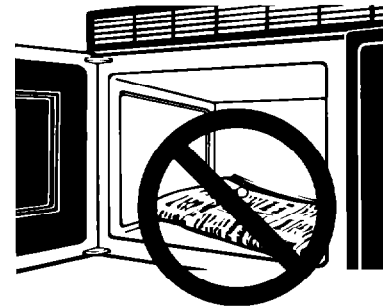
If you practice programming the oven, **put** a container of water in the oven.

It is normal for the oven door to look wavy after the oven has been running for a while.



Do not use newspaper or other printed paper in the oven. Fire could result.

Do not dry flowers, fruit, herbs, wood, paper, gourds, or clothes in the oven. Fire could result.

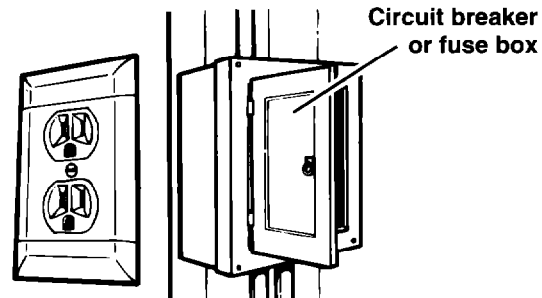


Do not try to melt paraffin wax in the oven. Paraffin wax will not melt in a microwave oven because it allows microwaves to pass through it.

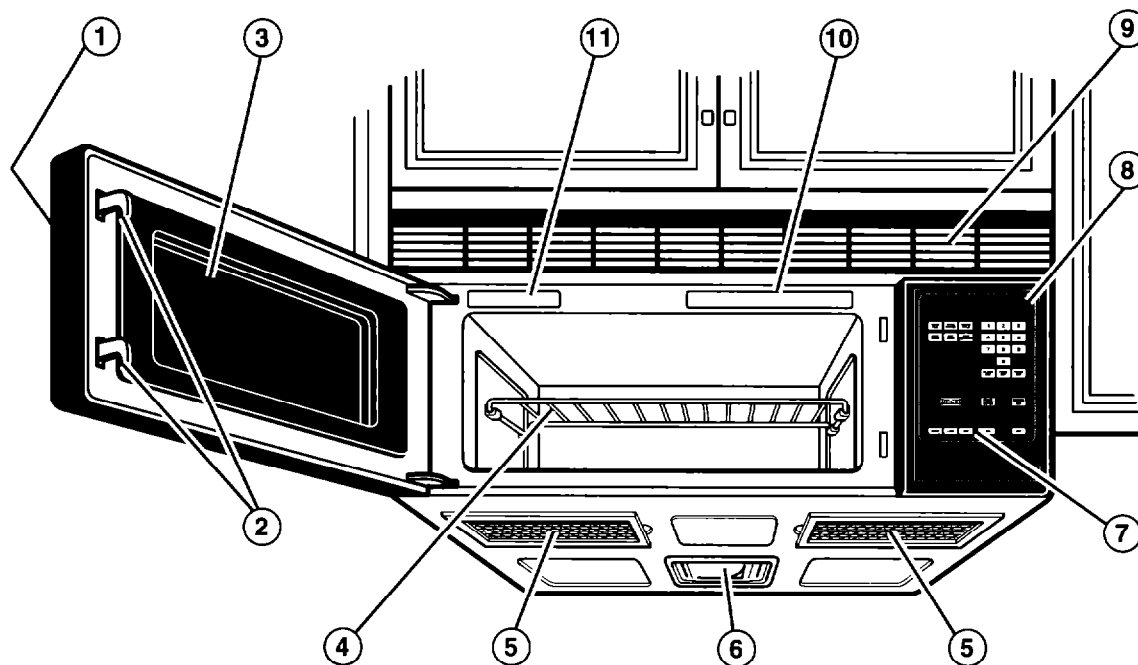


Electrical connection

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

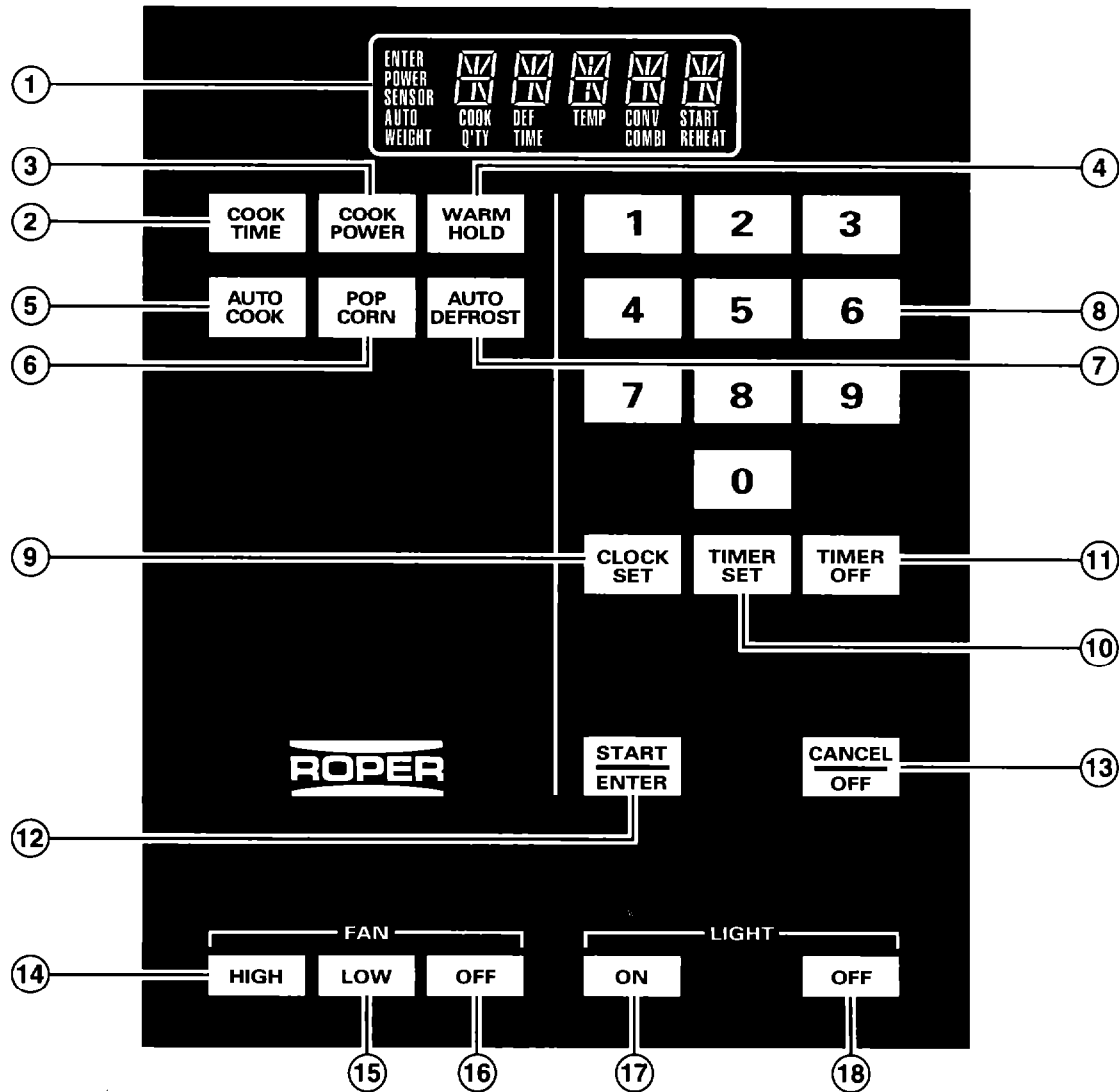


Your microwave oven is designed to make your cooking experience as enjoyable and productive as possible. To get you up and running quickly, the following is a list of the oven's basic features:

- 1. Door Handle.** Pull to open door.
- 2. Door Safety Lock System.** The oven will not operate unless the door is securely closed.
- 3. Window with Metal Shield.** Shield prevents microwaves from escaping. It is designed as a screen to allow you to view food as it cooks.
- 4. Two-Position Bi-Level Cooking Rack Accessory (optional).** Use for extra space when cooking in more than one container at the same time. See page 19 for more information.
- 5. Filter.** See page 37 for cleaning information.
- 6. Cooktop/Countertop Light.** Turn on to light your cooktop or countertop or turn on as a night light. See page 17 for more information.
- 7. Exhaust Fan and Cooktop Light Switches.** See pages 16-19 for more information.
- 8. Control Panel.** Touch the pads on this panel to perform all functions. See pages 13-15 for more information.
- 9. Vent Grille.**
- 10. Cooking Guide.** Use as a quick reference for Auto Cook and Auto Defrost settings.
- 11. Model and Serial Number Plate.**

Control panel features

Your microwave oven control panel lets you select the desired cooking function quickly and easily. 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, see pages 16-35.



1. Display. The Display includes a clock and indicators to tell you time of day, cooking time settings, and cooking functions selected.

2. COOK TIME. Touch this pad followed by Number Pads to set a cooking time. See pages 22, 24, and 25 for more information.

continued on next page

GETTING TO KNOW YOUR MICROWAVE OVEN

3. **COOK POWER.** Touch this pad after the cook time has been set, followed by a Number Pad to set the amount of microwave energy released to cook the food. The higher the number, the higher the microwave power or “cooking speed.” See page 23 for more information. See the “Microwave cooking chart” on page 42 for specific Cook Powers to use for the foods you are cooking.
 4. **WARM HOLD.** Touch this pad to keep hot, cooked foods safely warm in your microwave oven for up to 99 minutes, 99 seconds. WARM HOLD can be used by itself, or it can automatically follow a cooking cycle. See page 33 for more information.
 5. **AUTO COOK.** Touch this pad to cook common microwave-prepared foods without needing to program times and Cook Powers. See page 26 for more information.
 6. **POPCORN.** Touch this pad when popping popcorn in your microwave oven. The oven will automatically heat for a preset time at a preset Cook Power. See page 34 for more information.
 7. **AUTO DEFROST.** Touch this pad followed by Number Pads to thaw frozen meat by weight. See page 28 for more information.
 8. **Number Pads.** Touch Number Pads to enter cooking times, Cook Powers, quantities, weights, or food categories.
The following Number Pads also have other functions:
 - **Number Pad 7** shortens cooking time by 10% (see page 35).
 - **Number Pad 9** lengthens cooking time by 10% (see page 35).
 - **Number Pad 8** returns a changed cooking time to the preset cooking time (see page 35).
 9. **CLOCK SET.** Touch this pad to enter the correct time of day. See page 20 for more information.
 10. **TIMER SET.** Touch this pad to set the Minute Timer. See page 21 for more information.
 11. **TIMER OFF.** Touch this pad to cancel the Minute Timer. See page 21 for more information.
 12. **START/ENTER.** Touch this pad to start a function. If you open the door after the oven begins to cook, retouch START/ENTER. See page 15 for more information.
 13. **CANCEL/OFF.** Touch this pad to erase an incorrect command, cancel a program during cooking, or to clear the Display. See page 15 for more information.
 14. **HIGH.** Touch this pad to turn on the fan at high speed. See page 16 for more information.
 15. **LOW.** Touch this pad to turn on the fan at low speed. See page 16 for more information.
 16. **OFF.** Touch this pad to turn off the fan. See page 16 for more information.
 17. **ON.** Touch this pad to turn on the cooktop/countertop light. See page 17 for more information.
 18. **OFF.** Touch this pad to turn off the cooktop/countertop light. See page 18 for more information.
- NOTES:**
- **If you have entered** all settings for a function but do not touch the Start/Enter pad in 5 seconds, the Start indicator light will flash.
 - **If you open** the door while the oven is on and then shut the door, the Start indicator light will flash. Touch START/ENTER to continue.
 - **If you choose** a function but do not press another command pad within 1 minute, the display returns to the time of day and you have to start over.

GETTING TO KNOW YOUR MICROWAVE OVEN

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.
- **One long tone** signals the end of a Minute Timer countdown.
- **Four tones** signal the end of a cooking cycle.
- **Two tones** sound once every minute after an End-of-Cooking signal as a reminder if food has not been removed from oven.
- **Two consecutive, short tones** will sound while entering and exiting from a hidden feature, Time of Day, or next highest priority display.
- **Three tones** sound if you have made an incorrect entry.

To disable audible signals:

Touch and hold Number Pad 1 for 4 seconds.

To turn signals back on:

Touch and hold Number Pad 1 for 4 seconds.

NOTE: Three tones, followed by two tones, will sound when audible signals are turned on or off. The three tones will be omitted if all tones are disabled.

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



If you do not want to continue cooking:

- **Close** the door and the light goes off.

OR

- **TOUCH**



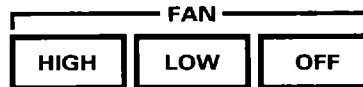
Using your cooktop under the hood

- Do not leave the area when using your cooktop at a high setting. Accidental fires from boilovers or spattering on the surface unit could spread, especially if the exhaust fan is operating.
- Do not "flame" foods on the cooktop. The fan, if operating, could spread the flame and cause personal injury or property damage.

NOTE: This appliance is suitable for use above both gas and electric cooking equipment 36 inches wide or less.

Using the exhaust fan

The three pads on the bottom left of the control panel control the 2-speed Exhaust Fan.



1. Choose fan speed.

NOTE: If the temperature gets too hot around the microwave oven, the exhaust fan in the vent hood will automatically turn on at the LOW setting to protect the oven. It may stay on up to an hour to cool the oven. When this occurs, the Fan OFF Pad will not turn the fan off.

TOUCH



OR



2. Turn off fan when desired.

TOUCH



To set fan to run for a specific time:

NOTE: The Minute Timer must not be in use when starting this feature.

1. Start fan.

TOUCH



OR



2. Touch TIMER SET.

NOTE: If both the fan and light are operating and the TIMER SET Pad is touched twice, both the fan and light will be controlled by the timer. The Display will alternate between "FAN" and "LIGHT" one time before HR:MN is displayed.

TOUCH



YOU SEE



(twice within 3 seconds)

Then:



GETTING TO KNOW YOUR MICROWAVE OVEN

3. Set fan run time.

Example to run fan for one hour and 30 minutes:

TOUCH

1

3

0

YOU SEE

1:30
TIME

4. Start timed fan feature.

NOTES:

- The letter "F" indicates the timed fan feature has been selected.
- If both the timed fan and light features have been selected, an "H" (Hood) will be displayed.

TOUCH

START
ENTER

YOU SEE

F 1:30
TIME

OR

TIMER
SET

To check the remaining fan time during a cooking cycle:

TOUCH

TIMER
SET

To cancel the timed fan feature:

NOTE: Touching the TIMER OFF Pad shuts off both the fan and timed feature. Touching the Fan OFF Pad shuts off just the fan.

TOUCH

TIMER
OFF

Using the cooktop/countertop light

The two pads on the bottom right of the control panel control the cooktop/countertop light.

LIGHT

ON OFF

1. Turn on light.

TOUCH

ON

continued on next page

GETTING TO KNOW YOUR MICROWAVE OVEN

2. Turn off light when desired.

TOUCH



To set light to be on for a specific time:

NOTE: The Minute Timer must not be in use when starting this feature.

TOUCH



1. Turn on light.

2. Touch **TIMER SET**.

NOTE: If both the fan and light are operating and the **TIMER SET** Pad is touched twice, both the fan and light will be controlled by the timer. The Display will alternate between "FAN" and "LIGHT" one time before HR:MN is displayed.

TOUCH



YOU SEE



(twice within 3 seconds)

Then:



3. Set light on time.

Example to turn light on for two hours:

TOUCH



YOU SEE



4. Start timed light feature.

NOTES:

- The letter "L" indicates the timed light feature has been selected.
- If both the timed light and fan features have been selected, an "H" (Hood) will be displayed.

TOUCH



YOU SEE



OR



GETTING TO KNOW YOUR MICROWAVE OVEN

To check the remaining light time during a cooking cycle:

TOUCH

TIMER
SET

To cancel the timed light feature:

TOUCH

TIMER
OFF

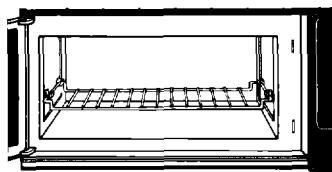
NOTE: Touching the TIMER OFF Pad shuts off both the light and timed feature. Touching the Light OFF Pad shuts off just the light.

Using the bi-level cooking rack

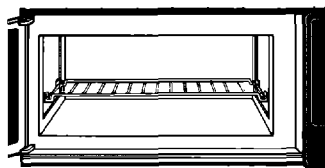
You can order a Bi-Level Cooking Rack (Part No. 4358803) from your Roper dealer for extra space when cooking in more than one container at the same time. The metal rack can be turned upside-down to help fit taller containers on the bottom of the oven.

If your Roper dealer does not stock the rack, you can order it, by part number, by calling **1-800-447-6737** and following the instructions and telephone prompts you hear.

Inserting the rack



First position: Insert the rack securely into the rack supports on the side walls of the oven.



Second position: Turn rack upside-down when using a taller container on the bottom of the oven.

⚠ WARNING



Burn Hazard

Use oven mitts to remove items from microwave.

Do not touch areas near oven vent openings during use.

Failure to follow these instructions can result in burns.

NOTES:

- **Do not store** the metal rack in the oven. Arcing and damage to the oven could result if someone accidentally starts the oven.
- **Do not operate** the oven with the metal rack stored on the floor of the oven. Damage to the interior finish will result.
- **Use rack** only in the microwave oven.
- **Do not use rack** with browning dish.
- **Do not let food** container on rack touch the top or sides of the oven.
- **Do not cook foods** directly on rack without putting them in containers first.
- **Do not place** a metal cooking container on rack. Place a microwave-safe plate under container.
- **Only use** the Bi-Level Cooking Rack when cooking at more than one level.

Setting the clock

When your microwave oven is first plugged in, or after a power failure, the Display will show "88:88." For the first 30 seconds after the power is on, you can set the clock time without touching CLOCK SET. After 30 seconds has gone by, you must follow the directions below to set the time. If a time of day is not set, "88:88" will show on the Display until you touch CLOCK SET.

NOTES:

- **You can** set the clock even while the oven is cooking food.
- **If you touch in** an incorrect time and touch CLOCK SET, three tones will sound. Enter the correct time.
- **If you touch** CANCEL/OFF while setting the clock, the Display will show the last time of day set or ":" if no time of day has been set.

To set time:

1. Choose setting.

TOUCH



YOU SEE

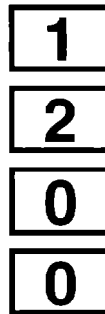


(for 3 seconds)

2. Enter time of day.

Example for 12:00:

TOUCH



YOU SEE



3. Complete entry.

TOUCH



OR



YOU SEE



Using the Minute Timer

You can use your microwave oven as a minute timer. Use the Minute Timer for timing up to 99 minutes, 99 seconds.

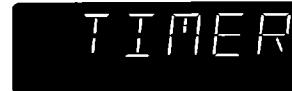
NOTE: The oven can operate while the Minute Timer is in use. To see the Minute Timer while the oven is cooking, touch **TIMER SET**.

1. Touch **TIMER SET**.

TOUCH



YOU SEE



After 1 second:



2. Enter time to be counted down.

Example for 1 minute, 30 seconds:

NOTE: If you enter more than four digits, three tones will sound. Touch **START/ENTER** to count down the 3-digit time you have entered or touch **TIMER OFF** to clear the Display. To start over, touch **TIMER SET** and re-enter desired time.

TOUCH



YOU SEE



3. Start countdown.

NOTE: If you do not do this step within three seconds of doing Step 2, "START" will flash. You then have 1 minute to touch **START/ENTER** or **TIMER SET** before the Display returns to time of day.

TOUCH



OR



YOU SEE



At end of countdown:

YOU SEE



(one long tone will sound)

To cancel Minute Timer:

During countdown:

TOUCH



YOU SEE



(time of day)

Using Your Microwave Oven

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

NOTE: A new rating method* rates this oven at 850 watts. However, you may use a reliable cookbook and recipes developed for microwave ovens that were rated before at 700-800 watts.

* IEC-705 Test Procedure. The IEC-705 Test Procedure is an internationally recognized method of rating microwave wattage output and does not represent an actual change to output power or cooking performance.

Cooking at high cook power

1. Put food in oven and close the door.

2. Set cooking time.

TOUCH

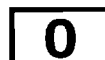
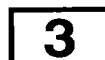
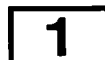


YOU SEE



Example for 1 minute, 30 seconds:

TOUCH



YOU SEE



3. Start oven.

TOUCH



YOU SEE



At end of cooking time:

YOU SEE



(four tones will sound)

Changing instructions

You can change the cooking time any time by repeating Steps 2 and 3.

Cooking at different cook powers

For best results, some recipes call for different Cook Powers. The lower the Cook Power, the slower the cooking. Each Number Pad also stands for a different percentage of Cook Power. Many microwave cookbook recipes tell you by number, percent, or name which Cook Power to use.

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.

COOK POWER	NAME	WHEN TO USE IT
10=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 small tender pieces of meat, ground meat, poultry pieces, fish fillets, and vegetables
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 • Melting chocolate
4=40% of full power		<ul style="list-style-type: none"> • Simmering stews • Heating pastries
3=30% of full power	Medium-Low, Defrost	<ul style="list-style-type: none"> • 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

NOTE: Once cook time has been entered you can also use the Cook Power pad as a second Minute Timer by entering "0" for the Cook Power. The oven will count down the cooking time you set without cooking.

USING YOUR MICROWAVE OVEN

1. Put food in oven and close the door.

2. Set cooking time.

TOUCH

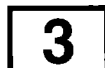
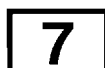


YOU SEE



Example for 7 minutes, 30 seconds:

TOUCH



YOU SEE



3. Set Cook Power.

TOUCH

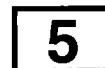


YOU SEE



Example for 50% Cook Power:

TOUCH



YOU SEE



4. Start oven.

TOUCH



YOU SEE



At end of cooking time:

YOU SEE



(four tones will sound)

Changing instructions

You can change the cooking time or Cook Power any time by repeating Steps 2 and/or 3 and 4.

Cooking with more than one cook cycle

For best results, some recipes call for one Cook Power for a certain length of time, and another Cook Power for another length of time. Your oven can be set to change from one to another automatically, for up to two cycles.

1. Put food in oven and close the door.

2. Set cooking time for first cycle.

TOUCH



YOU SEE

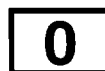


Example for 7 minutes, 30 seconds:

TOUCH



YOU SEE



3. Set Cook Power for first cycle.

TOUCH

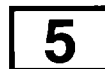


YOU SEE



Example for 50% Cook Power:

TOUCH



YOU SEE



4. Repeat Steps 2 and 3 to set cooking time and Cook Power for each additional cycle.

continued on next page

USING YOUR MICROWAVE OVEN

5. Start oven.

After the first cycle is over, the next cycle(s) will count down.

At end of cooking time:

TOUCH



YOU SEE



(first cycle)

YOU SEE



(four tones will sound)

Changing instructions

You can change times or Cook Powers for a cycle any time after that cycle starts by repeating Steps 2 and/or 3 and 4.

Using AUTO COOK

Cooking with AUTO COOK lets you cook common microwave-prepared foods without needing to program times and Cook Powers. AUTO COOK has preset times and Cook Powers for five major food categories: Casserole, Baked Potato, Baked Goods, Fresh Vegetables, and Frozen Vegetables. All you do is touch the Number Pad assigned to the desired category and enter the number of items or servings being heated. Your microwave oven does the rest.

NOTE: See the "Microwave cooking chart" in the "Cooking Guide" section when cooking with cooking time and Cook Power.

1. Put food in oven and close the door.

2. Choose AUTO COOK.

TOUCH



YOU SEE



USING YOUR MICROWAVE OVEN

3. Choose food category.

Example for Category 1 (casserole):
To select categories, follow this chart:

CATEGORY	TOUCH PAD NUMBER
Casseroles	1
Baked Potato	2
Baked Goods	3
Fresh Vegetables	4
Frozen Vegetables	5

TOUCH



YOU SEE



Then:



OR



4. Enter quantity/servings.

The number of servings/items you can cook are shown in the chart below:

CATEGORY	NUMBER OF CUPS/ITEMS
Casseroles	1-2
Baked Potato	1-4
Baked Goods	1-2
Fresh Vegetables	1-4
Frozen Vegetables	1-4

TOUCH



YOU SEE



NOTE: If the quantity you entered is not correct, you can change it by touching AUTO COOK again and starting over.

continued on next page

USING YOUR MICROWAVE OVEN

5. Start oven.

TOUCH



YOU SEE



At end of cooking time:

YOU SEE



Using AUTO DEFROST

Your microwave oven automatically defrosts a variety of common meats at preset Cook Powers for preset times. The 3-stage defrost cycle is programmed for meat, poultry, and fish. All you do is touch the Command Pad assigned to the desired category and enter the weight of the items being defrosted. Your microwave oven does the rest.

NOTES:

- See the "Auto defrost chart" later in this section for defrosting directions for each food.
- To defrost items not listed in "Auto defrost chart", use 30% Cook Power. Refer to a reliable cookbook for defrosting information.

1. Put frozen food in oven and close the door.

2. Choose AUTO DEFROST.

TOUCH



YOU SEE



3. Choose food category.

Example for Category 1 (meat):

To select categories, follow this chart:

CATEGORY	TOUCH PAD NUMBER
Meat	1
Poultry	2
Fish	3

TOUCH



YOU SEE



Then:



USING YOUR MICROWAVE OVEN

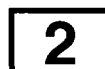
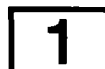
4. Enter food's weight (in pounds and tenths of a pound).

Example for 1.2 lbs:

NOTES:

- For converting fractions of a pound to decimals, see the "Weight conversion chart" later in this section.
- If you enter an incorrect weight, touch AUTO DEFROST again and enter the correct weight.

TOUCH



YOU SEE



5. Start oven.

TOUCH



YOU SEE



6. After half the defrost time is over, Display will prompt you to turn over food while oven continues to defrost.

Open door, turn over food, and shield any warm portions.

NOTE: If you do not open the door within two minutes, the Display will resume the countdown.

Close the door.

YOU SEE



YOU SEE



7. Restart oven.

TOUCH



YOU SEE



(approximate time remaining)

At end of defrosting time:

YOU SEE



Auto defrost chart

Meat setting

FOOD	AT PAUSE	SPECIAL INSTRUCTIONS
Beef		Meat of irregular shape and large, fatty cuts of meat should have the narrow or fatty areas shielded with foil at the beginning of a defrost cycle.
Ground Beef, Bulk	Remove thawed portions with fork. Turn over. Return remainder to oven.	Do not defrost less than ¼ lb. Freeze in doughnut shape.
Ground Beef, Patties	Separate and rearrange.	Do not defrost less than two 4 oz patties. Depress center when freezing.
Round Steak	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.
Tenderloin Steak	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.
Stew Beef	Remove thawed portions with fork. Separate remainder. Return remainder to oven.	Place in a microwavable baking dish.
Pot Roast, Chuck Roast	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.
Rib Roast	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.
Rolled Rump Roast	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.
Lamb		
Cubes for Stew	Remove thawed portions with fork. Return remainder to oven.	Place in a microwavable baking dish.
Chops (1 inch thick)	Separate and rearrange.	Place on a microwavable roasting rack.
Pork		
Chops (½ inch thick)	Separate and rearrange.	Place on a microwavable roasting rack.
Hot Dogs	Separate and rearrange.	Place on a microwavable roasting rack.
Spareribs, Country-Style Ribs	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.
Sausage, Links	Separate and rearrange.	Place on a microwavable roasting rack.
Sausage, Bulk	Remove thawed portions with fork. Turn over. Return remainder to oven.	Place in a microwavable baking dish.
Loin Roast, Boneless	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack.

USING YOUR MICROWAVE OVEN

Fish setting

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

Poultry setting

FOOD	AT PAUSE	SPECIAL INSTRUCTIONS
Chicken		
Whole (up to 9½ lbs)	Turn over (finish defrosting breast-side down). Cover warm areas with aluminum foil.	Place chicken breast-side up on a microwavable roasting rack. Finish defrosting by immersing in cold water. Remove giblets when chicken is partially defrosted.
Cut Up	Separate pieces and rearrange.	Place on a microwavable roasting rack.
	Turn over. Cover warm areas with aluminum foil.	Finish defrosting by immersing in cold water.
Cornish Hens		
Whole	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack. Finish defrosting by immersing in cold water.
Turkey		
Breast (under 6 lbs)	Turn over. Cover warm areas with aluminum foil.	Place on a microwavable roasting rack. Finish defrosting by immersing in cold water.

USING YOUR MICROWAVE OVEN

Weight conversion chart

You are probably used to food weights as being in pounds and ounces that are fractions of a pound (for example 4 ounces equals $\frac{1}{4}$ 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 chart to convert the weight to decimals.

NUMBER AFTER DECIMAL		EQUIVALENT OUNCE WEIGHT
.10		1.6
.20		3.2
.25	One-Quarter Pound	4.0
.30		4.8
.40		6.4
.50	One-Half Pound	8.0
.60		9.6
.70		11.2
.75	Three-Quarters Pound	12.0
.80		12.8
.90		14.4
1.00	One Pound	16.0

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).
- **Only use AUTO DEFROST** for raw food. AUTO DEFROST gives best results when food to be thawed is a minimum of 0°F. If food has been stored in a refrigerator-freezer that does not maintain a temperature of 0°F or below, always program a lower food weight (for a shorter defrosting time) to prevent cooking the food.
- **If the food is kept outside** the freezer for up to 20 minutes, enter a lower food weight.
- **If the food is kept outside** the freezer for more than 20 minutes, and for defrosting ready-made food, defrost by time and power and let stand after defrosting.
- **The shape of the package** alters the defrosting time. Shallow rectangular packets defrost more quickly than a deep block.
- **Separate pieces** as they begin to defrost. Separated pieces defrost more easily.
- **You can use small pieces** of aluminum foil to shield foods like chicken wings, leg tips, and fish tails, but the foil must not touch the side of the oven. Foil can damage the oven lining.
- **Shield areas of food** with small pieces of foil if they start to become warm. Make sure the foil does not touch the sides, top or bottom of the oven.
- **For better results, a preset standing time** is included in the defrosting time. This may make the defrosting time seem longer than expected. (For more information on standing time, see "Microwave cooking tips" in the "Cooking Guide" section.)

Using WARM HOLD

You can safely keep hot, cooked food warm in your microwave oven for up to 99 minutes, 99 seconds (about 1 hour, 40 minutes). You can use WARM HOLD by itself, or to automatically follow a cooking cycle.

NOTES:

- **WARM HOLD** operates for up to 99 minutes, 99 seconds.
- **Opening** the oven door cancels WARM HOLD. Close the door and touch WARM HOLD, then touch START/ENTER if additional WARM HOLD time is desired.
- **Food cooked covered** should 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, 40 minutes). The quality of some foods will suffer with extended time.

1. Put hot, cooked food in oven and close the door.

2. Choose setting.

TOUCH

YOU SEE



3. Start oven (optional).

If you do not touch START/ENTER, the oven will start cooking 3 seconds after you complete the previous steps.

TOUCH

YOU SEE



To make WARM HOLD automatically follow another cycle:

- **While you are touching in cooking instructions**, touch WARM HOLD before touching START/ENTER.
- **When the last cooking cycle is over**, you will hear two tones. "WARM" will come on while the oven continues to run.
- **You can set WARM HOLD to follow** AUTO DEFROST, COOK, or multi-cycle cooking.

Using POPCORN

POPCORN lets you pop commercially packaged microwave popcorn by touching just one pad. Pop only one package at a time. If you are using a microwave popcorn popper, follow manufacturer's instructions.

You can set your microwave oven to pop different size bags of popcorn. You specify the setting by the number of times you touch POPCORN. Cooking performance may vary with brand and fat content. Try several brands to decide which gives best popping results. For best results, use fresh bags of popcorn.

NOTE: If you want to change the popping time after choosing POPCORN, see the "Changing preset cooking times" section.

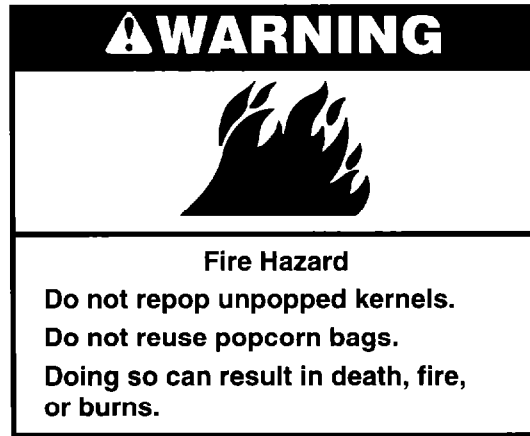
1. Place bag in oven and close the door.

2. Choose POPCORN.

To correctly set your microwave oven, follow this chart:

Bag Size – ounces	3.5	3.0	1.75
Touch POPCORN	once	twice	three times

After three seconds, oven starts popping popcorn:



TOUCH



once

YOU SEE



YOU SEE



(time counts down)

USING YOUR MICROWAVE OVEN

Every 10 seconds the Display will alternate between "POP-" and "CORN" and then show the time remaining.

YOU SEE



(time remaining)

At end of popping time:

YOU SEE



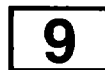
(four tones will sound)

Changing preset cooking times

If a preset cooking time is too long or too short, you can lengthen or shorten the cooking time by 10% after choosing AUTO COOK. You can only change cooking times before cooking starts.

To lengthen cooking time by 10%:

TOUCH



YOU SEE



(example for auto cook)

To shorten cooking time by 10%:

TOUCH

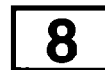


YOU SEE



To reset to the original cooking time:

TOUCH



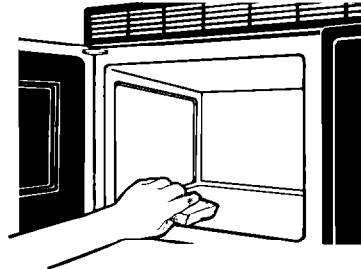
YOU SEE



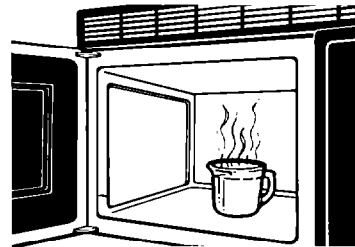
Caring for Your Microwave Oven

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 water.** 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 or 3 minutes. Steam will soften the soil. To get rid of odors inside the oven, **boil** a cup of water with lemon juice or vinegar.



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.

Cleaning the bi-level cooking rack


- **Wash by hand** with a mild detergent and a soft or nylon scrub brush. Dry completely.
- **Do not use** abrasive scrubbers or cleansers to clean rack.

Caring for the filters

Do not allow grease and soil to build up in the grease filters. It will decrease the exhaust fan efficiency. Remove and clean grease filters at least once a month. When you have removed a grease filter or a charcoal filter remember to replace the filter before you operate the hood.

NOTE: If your microwave hood combination is installed to recirculate air, the charcoal filter (Part No.4359416) should be installed. The charcoal filter cannot be cleaned and should be replaced every 6-12 months.

⚠ WARNING



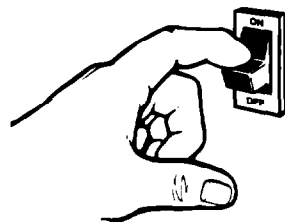
Electrical Shock Hazard

Disconnect power before removing vent cover.

Replace all panels before operating.

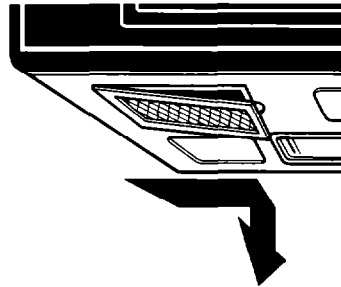
Failure to do so can result in death or electrical shock.

Before removing filters:

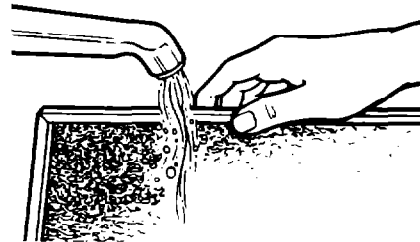


- For your personal safety, **turn off** the electric power at the main power supply.

Grease filters:



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



2. **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 use ammonia, corrosive cleaning agents such as lye-based oven cleaners, or place in a dishwasher.** The filter will turn black or could be damaged.

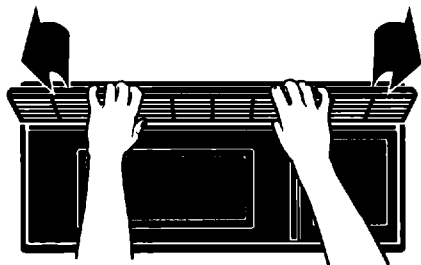


3. **To replace grease filters, slide** filter in the frame slot on one side of the opening. **Push** filter upward and **push** to the other side to lock into place.

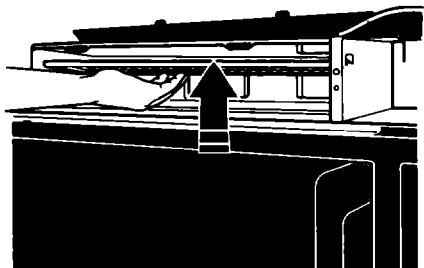
CARING FOR YOUR MICROWAVE OVEN

Charcoal filter :

To remove:

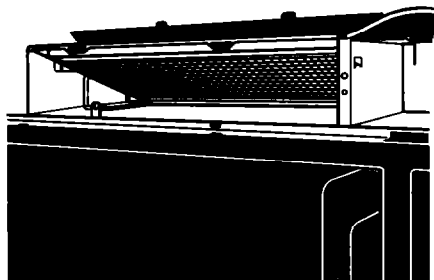


1. **Remove** the vent cover mounting screws.
2. **Tip** the cover forward, then **lift out** to remove.

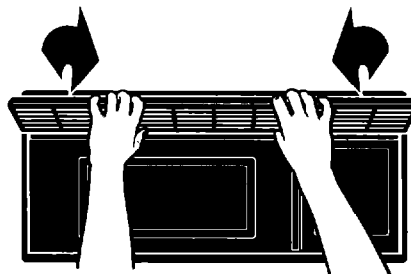


3. **Lift** the back of the charcoal filter. **Slide** the filter straight out.

To replace:



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



2. **Slide** the bottom of the vent cover into place. **Push** the top until it snaps into place. **Replace** the mounting screws.

After replacing filters:

- **Turn** the power back on at the main power supply.



- **Do not operate** the hood without the filters in place.

Replacing the cooktop and oven lights

⚠ WARNING



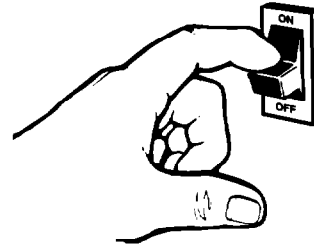
Fire Hazard

Use only candelabra-base bulbs, 30-watt maximum.

Turn off power at main power supply before replacing the light bulb.

Failure to follow the above could result in fire or electrical shock.

The oven light



1. Turn off power at the main power supply.

⚠ WARNING



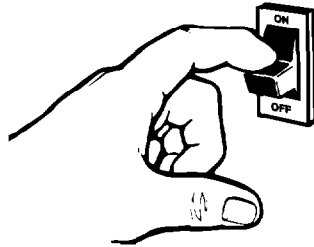
Electrical Shock Hazard

Disconnect power before removing vent cover.

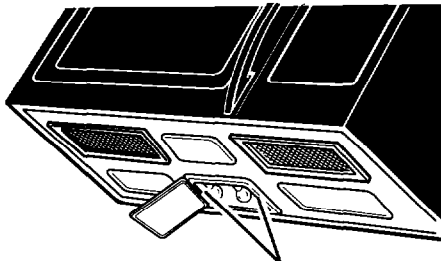
Replace all panels before operating.

Failure to do so can result in death or electrical shock.

The cooktop light

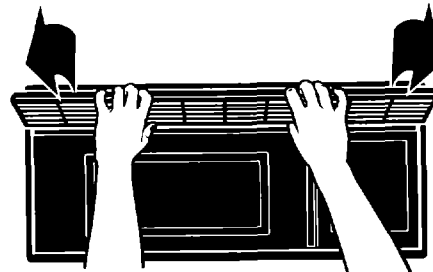


1. Turn off power at the main power supply.



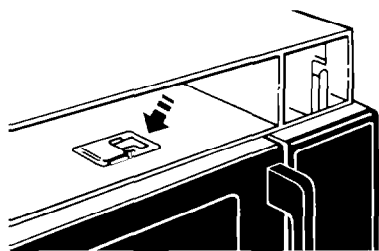
Bulb cover mounting screws

2. Remove the bulb cover mounting screws.
3. Replace bulb(s) with candelabra-base 30-watt bulb(s) available from your authorized Roper service company (Part No. 4158432).



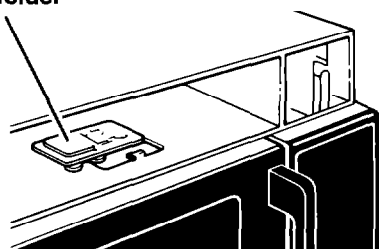
2. Remove the vent cover mounting screws.
3. Tip the cover forward, then lift out to remove.

CARING FOR YOUR MICROWAVE OVEN

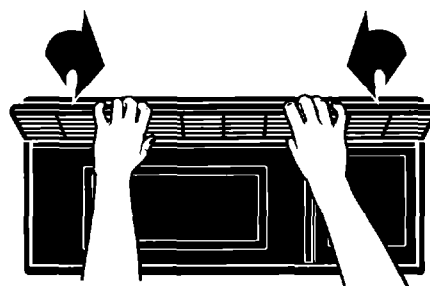


4. **Remove** bulb holder mounting screw.

Bulb holder



5. **Lift up** the bulb holder.
6. **Replace** the bulb with a candelabra-base 30-watt bulb available from your authorized Roper service company (Part No. 4158432).
7. **Replace** the bulb holder and mounting screw.



8. **Slide** the top of the vent cover into place. **Push** the bottom until it snaps into place. **Replace** the mounting screws. **Turn** the power back on at the main power supply.

Cooking Guide

Reheating chart

Times are approximate and may need to be adjusted to individual taste.

ITEM	STARTING TEMP	TIME/POWER	PROCEDURE
Meat (Chicken pieces, chops, hamburgers, meat loaf slices) 1 serving 2 servings	Refrigerated Refrigerated	1-2 min at 70% 2½-4½ min at 70%	Cover loosely.
Meat Slices (Beef, ham, pork, turkey) 1 or more servings	Room temp Refrigerated	45 sec-1 min per serving at 50% 1-3 min per serving at 50%	Cover with gravy or wax paper. Check after 30 seconds per serving.
Stirrable Casseroles and Main Dishes 1 serving 2 servings 4-6 servings	Refrigerated Refrigerated Refrigerated	2-4 min at 100% 4-6 min at 100% 6-8 min at 100%	Cover. Stir after half the time.
Nonstirrable Casseroles and Main Dishes 1 serving 2 servings 4-6 servings	Refrigerated Refrigerated Refrigerated	5-8 min at 50% 9-12 min at 50% 13-16 min at 50%	Cover with wax paper.
Soup, Cream 1 cup 1 can (10¾ oz)	Refrigerated Room temp	3-4½ min at 50% 5-7 min at 50%	Cover. Stir after half the time.
Soup, Clear 1 cup 1 can (10¾ oz)	Refrigerated Room temp	2½-3½ min at 100% 4-5½ min at 100%	Cover. Stir after half the time.
Pizza 1 slice 1 slice 2 slices 2 slices	Room temp Refrigerated Room temp Refrigerated	15-25 sec at 100% 30-40 sec at 100% 30-40 sec at 100% 45-55 sec at 100%	Place on paper towel.
Vegetables 1 serving 2 servings	Refrigerated Refrigerated	¾-1½ min at 100% 1½-2½ min at 100%	Cover. Stir after half the time.
Baked Potato 1 2	Refrigerated Refrigerated	1-2 min at 50% 2-3 min at 50%	Cut potato lengthwise and then several times crosswise. Cover with wax paper.
Breads (Dinner or breakfast roll) 1 roll 2 rolls 4 rolls	Room temp Room temp Room temp	8-12 sec at 50% 11-15 sec at 100% 18-22 sec at 100%	Wrap single roll, bagel, or muffin in paper towel. To reheat several, line plate with paper towel. Cover with another paper towel.
Pie Whole 1 slice	Refrigerated Refrigerated	5-7 min at 70% 30 sec at 100%	Cover with paper towel.

Microwave cooking chart

Times are approximate and may need to be adjusted to individual taste.

NOTE: See “Using AUTO COOK” in the “Using Your Microwave Oven” section for instructions on how to cook without entering cooking times or Cook Powers.

MEATS, POULTRY, FISH, SEAFOOD Allow standing time after cooking.			VEGETABLES (continued) Cook at 100% Cook Power.	
FOOD	COOK POWER	TIME	FOOD	TIME
Bacon (per slice)	100%	45 sec to 1 min 15 sec per slice	Cauliflower (medium head)	6-9 min
Ground Beef for Casseroles (1 lb)	100%	4-6 min	Corn on the Cob (2) (4)	4-9 min 6-16 min
Hamburger Patties (2)	100%	1st side 2 min 2nd side 1½ to 2½ min	Potatoes, Baked (4 medium)	13-19 min
Hamburger Patties (4)	100%	1st side 2½ min 2nd side 2-3 min	Squash, Summer (1 lb)	3-8 min
Meat Loaf (1½ lbs)	100%	13-19 min	OTHER	
Chicken Pieces Internal temperature should be 185°F after standing.	100%	6-9 min/lb	FOOD	COOK POWER TIME
Turkey Breast Internal temperature should be 185°F after standing.	100% then 70%	5 min 8-12 min/lb	Applesauce (4 servings)	100% 7-10 min
Fish Fillets (1 lb)	100%	5-6 min	Baked Apples (4)	100% 4-6 min
Scallops and Shrimp (1 lb)	100%	3½-5½ min	Chocolate (melt 1 square)	50% 1-2 min
VEGETABLES Cook at 100% Cook Power.			Eggs, Scrambled (2)	100% 1 min 15 sec to 1 min 45 sec
FOOD		TIME	(4)	2-3 min
Beans, Green or Yellow (1 lb)		6-12 min	Hot Cereals (1 serving) (4 servings)	100% 1½-5 min 4½-7 min
Broccoli (1 lb)		6-10 min	Nachos (large plate)	50% 1½-2½ min
Carrots (1 lb)		8-12 min	Water for Beverage (1 cup) (2 cups)	100% 2½-4 min 4½-6 min

Microwave 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.
- **If you want to cook two meals or containers of food** at the same time, you can do so with the Bi-Level Cooking Rack. For example, you can cook two frozen dinners or reheat two plates of food by placing one on the rack and one under the rack.

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 reheat than lighter, more porous food like sponge cakes.

Size and shape

- **Smaller pieces of food** will cook faster than larger pieces and same-shaped pieces of food cook more evenly than irregularly shaped foods.
- **With unevenly shaped foods**, the thinner parts will cook faster than the thicker areas. **Place** the thinner parts of chicken wings and legs in the center of the dish.

Stirring, turning foods

- **Stirring and turning foods** distributes 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
- **Retain** food moisture

All coverings that allow microwaves to pass through are suitable.

Releasing pressure in foods

- **Several foods** (for example: baked potatoes, sausages, egg yolks, and some fruits) are tightly covered by a skin or membrane. This can cause the food to burst from steam building up in them during cooking. 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** for a while after cooking. Standing time after defrosting, cooking, or reheating always improves the result since the temperature will then be evenly distributed throughout the food.
- **The length of the standing time** depends on the volume and density of the food. 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.

Arranging food

For best results, distribute 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. Shield the tail and head of whole fish with small pieces of foil to prevent overcooking and ensure the foil does not touch the sides of the oven.
- **Do not** let food or 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, then 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** container in a glass bowl and add some water so that it covers the bottom of the container, not more than ¼ inch 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 ¾ inch.
- **Container must be** half filled.
- **To avoid arcing**, there must be a minimum ¼ inch between the aluminum container and the walls of the oven and also between two aluminum containers.
- **Reheating 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 a great deal.
- **Let food stand** for two to three minutes after heating so that heat is spread evenly throughout 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 or possible personal injury.
- **Do not** use the microwave oven to sterilize objects (baby bottles, etc.). It is difficult to maintain the high temperature required for safe sterilization.

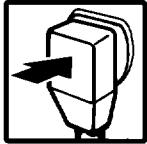
Questions and Answers

QUESTIONS	ANSWERS
Can I use a rack in my microwave oven so that I may reheat or cook on two levels at a time?	You can only use a rack designed to be used with your microwave oven. Use of any rack not designed for the microwave oven can result in poor cooking performance and/or arcing.
Can I use either metal or aluminum pans in my microwave oven?	Useable metal includes aluminum foil for shielding (use small, flat pieces), small skewers, and shallow foil trays (if tray is not taller than ¾ inch deep and half filled with food to absorb microwave energy). Never allow metal to touch walls or door. (For more information, see "Using aluminum foil" in the "Cooking Guide" section.)
Sometimes the door of my microwave oven appears wavy. Is this normal?	This appearance is normal and does not affect the operation of your oven.
What are the humming noises that I hear when my microwave oven is operating?	You hear the sound of the transformer when the magnetron tube cycles on.
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 food should be removed from the oven and covered for additional time to allow it to finish cooking. This frees the oven for other cooking.
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 the top vent.
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. Use the "listening test" by stopping the oven as soon as the popping slows to a "pop" every 1 or 2 seconds. Do not repop unpopped kernels. You can also use special microwave poppers. When using a popper, be sure to follow manufacturer's directions. Do not pop popcorn in glass utensils.

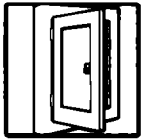
Troubleshooting

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, see the "Requesting Assistance or Service" section.

If nothing operates, check the following:



Is the microwave oven plugged into a live outlet with the proper voltage?
(See Installation Instructions.)



Have you blown a household fuse or tripped a circuit breaker?



Has the electric company experienced a power failure?

Other possible problems and their causes:

PROBLEM	CAUSE
The microwave oven will not run	<ul style="list-style-type: none">• You are using the oven as a timer. Touch TIMER OFF to cancel the Minute Timer.• The door is not firmly closed and latched.• You did not touch START/ENTER.• You did not follow directions exactly.• An operation that was programmed earlier is still running.
Microwave cooking times seem too long	<ul style="list-style-type: none">• 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 or service technician can tell you if the outlet voltage is low.• The Cook Power is not at the recommended setting. Check the "Microwave cooking chart" in the "Cooking Guide" section.• Larger amounts of food need longer cooking times.

TROUBLESHOOTING

PROBLEM	CAUSE
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 TIMER OFF to cancel the Minute Timer.
You do not hear the Programming Tone	<ul style="list-style-type: none">• The command is not correct.• You have disabled the audible signal.
The Display shows "88:88"	<ul style="list-style-type: none">• There has been a power interruption. Reset the clock.

If none of these items was causing your problem, see the "Requesting Assistance or Service" section.

Requesting Assistance or Service

Before calling for assistance or service, please check the "Troubleshooting" section. It may save you the cost of a service call. If you still need help, follow the instructions below.

1. If you need assistance* ...

Call our toll-free telephone number.



Dial toll-free from
anywhere in the U.S.A.:

1-800-44-ROPER
(1-800-447-6737)

and talk with one of our trained consultants. The consultant can instruct you in how to obtain satisfactory operation from your appliance or, if service is necessary, recommend a qualified service company in your area.

For further information, write to:

Roper Brand Home Appliances
Consumer Assistance Center
c/o Correspondence Dept.
2000 North M-63
Benton Harbor, MI 49022-2692

Please include a daytime phone number in your correspondence.

2. If you need service* ...

Contact the dealer from whom you purchased the appliance or the authorized servicer in your area. For help finding an authorized servicer in your area, call our toll-free telephone number in Step 1.



3. If you are not satisfied with how the problem was solved ...

- Contact the Major Appliance Consumer Action Program (MACAP). MACAP is a group of independent consumer experts that voices consumer views at the highest levels of the major appliance industry.
- Contact MACAP only when the dealer, authorized servicer, and Roper Brand Appliance warrantor have failed to resolve your problem.
 - Major Appliance Consumer Action Program
20 North Wacker Drive
Chicago, IL 60606
- MACAP will in turn inform us of your action.

* When asking for help or service:

Please provide a detailed description of the problem, your appliance's complete model and serial numbers, and the purchase date. (See "A Note to You" section.) This information will help us respond properly to your request.

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ROPER[®]

Microwave Oven Warranty

LENGTH OF WARRANTY	WE WILL PAY FOR
FULL ONE-YEAR WARRANTY FROM DATE OF PURCHASE	FSP [®] replacement parts and repair labor to correct defects in materials or workmanship. Service must be provided by an authorized Roper service company.
LIMITED FOUR-YEAR WARRANTY SECOND THROUGH FIFTH YEAR FROM DATE OF PURCHASE	FSP replacement magnetron tube on microwave ovens if defective in materials or workmanship.
WE WILL NOT PAY FOR	
<p>A. Service calls to:</p> <ol style="list-style-type: none"> 1. Correct the installation of your microwave oven. 2. Instruct you how to use your microwave oven. 3. Replace house fuses or correct house wiring. 4. Replace owner-accessible light bulbs. <p>B. Repairs when your microwave oven is used in other than normal, single-family household use.</p> <p>C. Pickup and delivery. Your microwave oven is designed to be repaired in the home.</p> <p>D. Damage to your microwave oven caused by accident, misuse, fire, flood, acts of God, or use of products not approved by us.</p> <p>E. Any labor costs during limited warranty.</p> <p>F. Repairs to parts or systems caused by unauthorized modifications made to the appliance.</p>	

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THIS ROPER APPLIANCE IS WARRANTED BY WHIRLPOOL CORPORATION. UNDER NO CIRCUMSTANCES SHALL IT BE LIABLE UNDER THIS WARRANTY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you.

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

Outside the United States, a different warranty may apply. For details, please contact your authorized Roper dealer. If you need service, first see the "Requesting Assistance or Service" section of this book. After checking "Requesting Assistance or Service," additional help can be found by calling our toll-free telephone number, **1-800-44-ROPER (1-800-447-6737)**, from anywhere in the U.S.A.