



GE Appliances

Microwave Oven

Owner's Manual

JE320



GE Answer Center® 800.626.2000

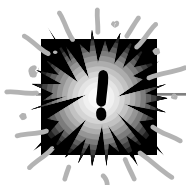
Part No. 164D3370P045 Pub. No. 49-40045 4-98 CG

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!

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

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY



- **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.
- **Do Not Place** any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- **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.
- **The Oven Should Not** be adjusted or repaired by anyone except properly qualified service personnel.



SAFETY PRECAUTIONS

This microwave oven is not approved or tested for marine use.

- Read and follow the specific precautions in the *Precautions to Avoid Possible Exposure to Excessive Microwave Energy* section above.
- This appliance must be grounded. Connect only to a properly grounded outlet. See the *Grounding Instructions* section on page 8.
- Install or locate this appliance only in accordance with the provided Installation Instructions.
- Be certain to place the front surface of the door three inches or more back from the countertop edge to avoid accidental tipping of the appliance in normal usage.

Use this appliance only for its intended purpose as described in this Owner's Manual.

- Do not mount this appliance over a sink.
- Do not mount the microwave oven over or near any portion of a heating or cooking appliance.
- Do not store anything directly on top of the microwave oven surface when the microwave oven is in operation.
- 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.
- Do not cover or block any openings on the appliance.
- 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 oven is specifically designed to heat, dry or cook food, and is not intended for laboratory or industrial use.
- 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.
- Keep power cord away from heated surfaces.
- Do not immerse power cord or plug in water.
- Do not let power cord hang over edge of table or counter.
- To reduce the risk of fire in the oven cavity:
 - Do not overcook food. Carefully attend appliance if paper, plastic or other combustible materials are placed inside the oven while cooking.
 - Remove wire twist-ties and metal handles from paper or plastic containers before placing them in the oven.
 - Do not use the oven for storage purposes. Do not leave paper products, cooking utensils or food in the oven when not in use.
 - If materials inside the oven should ignite, keep the oven door closed, turn the oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.
- See door surface cleaning instructions in the *Care and cleaning of the microwave oven* section of this manual.
- This appliance should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair or adjustment.
- As with any appliance, close supervision is necessary when used by children.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!



ARCING

*If you see arcing, press the **CLEAR/OFF** pad and correct the problem.*

Arcing is the microwave term for sparks in the oven. Arcing is caused by:

- Metal or foil touching the side of the oven.
- Foil not molded to food (upturned edges act like antennas).
- Metal, such as twist-ties, poultry pins, or gold-rimmed dishes, in the microwave.
- Recycled paper towels containing small metal pieces being used in the microwave.



FOODS

- Do not pop popcorn in your microwave oven unless in a special microwave popcorn accessory or unless you use popcorn labeled for use in microwave ovens.
- Some products such as whole eggs and sealed containers—for example, closed jars—will explode and should not be heated in this microwave oven. Such use of the microwave oven could result in injury.
- Do not boil eggs in a microwave oven. Pressure will build up inside egg yolk and will cause it to burst, possibly resulting in injury.
- Operating the microwave with no food inside for more than a minute or two may cause damage to the oven and could start a fire. It increases the heat around the magnetron and can shorten the life of the oven.
- Foods with unbroken outer “skin” such as potatoes, hot dogs, sausages, tomatoes, apples, chicken livers and other giblets, and egg yolks should be pierced to allow steam to escape during cooking.

■ SUPERHEATED WATER

Microwaved water and other liquids do not always bubble when they reach the boiling point. They can actually get superheated and not bubble at all.

Superheated liquid will bubble up out of the cup when it is moved or when something like a spoon or tea bag is put into it.

To prevent this from happening and causing injury, do not heat any liquid for more than 2 minutes per cup. After heating, let the cup stand in the microwave for 30 seconds before moving it or putting anything into it.

- Avoid heating baby food in glass jars, even with the lid off. Make sure all infant food is thoroughly cooked. Stir food to distribute the heat evenly. Be careful to prevent scalding when warming formula. The container may feel cooler than the formula really is. Always test the formula before feeding the baby.
- Don't defrost frozen beverages in narrow-necked bottles (especially carbonated beverages). Even if the container is opened, pressure can build up. This can cause the container to burst, possibly resulting in injury.
- Spontaneous boiling—Under certain special circumstances, liquids may start to boil during or shortly after removal from the microwave oven. To prevent burns from splashing liquid, we recommend the following: before removing the container from the oven, allow the container to stand in the oven for 30 to 40 seconds after the oven has shut off. Do not boil liquids in narrow-necked containers such as soft drink bottles, wine flasks and especially narrow-necked coffee cups. Even if the container is opened, excessive steam can build up and cause it to burst or overflow.
- Hot foods and steam can cause burns. Be careful when opening any containers of hot food, including popcorn bags, cooking pouches and boxes. To prevent possible injury, direct steam away from hands and face.
- Do not overcook potatoes. They could dehydrate and catch fire, causing damage to your oven.
- When cooking pork, follow the directions exactly and always cook the meat to an internal temperature of at least 170°F. This assures that, in the remote possibility that trichina may be present in the meat, it will be killed and meat will be safe to eat.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!



MICROWAVE-SAFE COOKWARE

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 1 cup of 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.

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

- Do not use recycled paper products. Recycled paper towels, napkins and waxed paper can contain metal flecks which may cause arcing or ignite. Paper products containing nylon or nylon filaments should be avoided, as they may also ignite.
- Some styrofoam trays (like those that meat is packaged on) have a thin strip of metal embedded in the bottom. When microwaved, the metal can burn the floor of the oven or ignite a paper towel.
- Do not use the microwave to dry newspapers.
- Not all plastic wrap is suitable for use in microwave ovens. Check the package for proper use.
- 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.
- Cookware may become hot because of heat transferred from the heated food. Pot holders may be needed to handle the cookware.

- “Boilable” cooking pouches and tightly closed plastic bags should be slit, pierced or vented as directed by package. If they are not, plastic could burst during or immediately after cooking, possibly resulting in injury. Also, plastic storage containers should be at least partially uncovered because they form a tight seal. When cooking with containers tightly covered with plastic wrap, remove covering carefully and direct steam away from hands and face.
- Use foil only as directed in this guide. TV dinners may be microwaved in foil trays less than 3/4" high; remove the top foil cover and return the tray to the box. When using foil in the microwave oven, keep the foil at least 1 inch away from the sides of the oven.
- Plastic cookware—Plastic cookware designed for microwave cooking is very useful, but should be used carefully. Even microwave-safe plastic may not be as tolerant of overcooking conditions as are glass or ceramic materials and may soften or char if subjected to short periods of overcooking. In longer exposures to overcooking, the food and cookware could ignite.

Follow these guidelines:

 - 1 Use microwave-safe plastics only and use them in strict compliance with the cookware manufacturer's recommendations.
 - 2 Do not microwave empty containers.
 - 3 Do not permit children to use plastic cookware without complete supervision.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!

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



GROUNDING INSTRUCTIONS

This appliance 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.

This appliance is equipped with a power cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Consult a qualified electrician or service technician if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

If the outlet is a standard 2-prong wall outlet, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

Do not under any circumstances cut or remove the third (ground) prong from the power cord.

We do not recommend using an extension cord with this appliance. If the power cord is too short, have a qualified electrician or service technician install an outlet near the appliance. (See **WARNING—EXTENSION CORDS** section.)

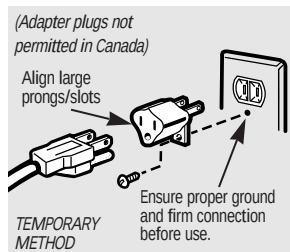
For best operation, plug this appliance into its own electrical outlet to prevent flickering of lights, blowing of fuse or tripping of circuit breaker.



ADAPTER PLUGS

Usage situations where appliance's power cord will be disconnected infrequently.

Because of potential safety hazards under certain conditions, **we strongly recommend against the use of an adapter plug.** However, if you still elect to use an adapter, where local codes permit, a **TEMPORARY CONNECTION** may be made to a properly grounded two-prong wall receptacle by the use of a UL listed adapter which is available at most local hardware stores.



The larger slot in the adapter must be aligned with the larger slot in the wall receptacle to provide proper polarity in the connection of the power cord.

CAUTION: Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal, and not insulated, and the wall receptacle is grounded through the house wiring.

You should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.

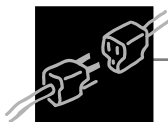
When disconnecting the power cord from the adapter, always hold the adapter with one hand. If this is not done, the adapter ground terminal is very likely to break with repeated use. Should this happen, **DO NOT USE** the appliance until a proper ground has again been established.

Usage situations where appliance's power cord will be disconnected frequently.

Do not use an adapter plug in these situations because frequent disconnection of the power cord places undue strain on the adapter and leads to eventual failure of the adapter ground terminal. You should have the two-prong wall receptacle replaced with a three-prong (grounding) receptacle by a qualified electrician before using the appliance.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!



EXTENSION CORDS

A short power supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.

Extension cords may be used if you are careful in using them.

If an extension cord is used—

- 1** The marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance;
- 2** The extension cord must be a grounding-type 3-wire cord and it must be plugged into a 3-slot outlet;
- 3** The extension cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.

If you use an extension cord, the interior light may flicker and the blower sound may vary when the microwave oven is on. Cooking times may be longer, too.



Read and follow this Safety Information carefully.

SAVE THESE INSTRUCTIONS

Congratulations!

You Are Now Part of the GE Family.

Welcome to the GE family. We're proud of our quality products and we are committed to providing dependable service. You'll see it in this easy-to-use Owner's Manual and you'll hear it in the friendly voices of our customer service department.

Best of all, you'll experience these values each time you use your microwave oven. That's important, because your new microwave oven will be part of your family for many years. And we hope you will be part of ours for a long time to come.

We thank you for buying GE. We appreciate your purchase, and hope you will continue to rely on us whenever you need quality appliances for your home.



Important!

Fill out and return the Consumer Product Registration Card that is packed with this product.



Write the model and serial numbers here.

#

#

You can find them on a label inside the oven.

Staple sales slip or cancelled check here.

Proof of the original purchase date is needed to obtain service under the warranty.

GE & You,
A Service Partnership.

Ask any GE appliance owner and they will tell you we stand behind our products with unmatched quality service. However, did you know that most questions result from simple problems that you can easily fix yourself in just a few minutes? This Owner's Manual can tell you how.



Read this Manual

Inside you will find many helpful hints on how to use and maintain your microwave oven properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your microwave oven.



Review the Section on
Troubleshooting Tips

You'll find many answers to common problems here. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.



If You Need Service

If you do need service, you can relax knowing help is only a phone call away. A list of toll-free customer service numbers is included in the back section. Or you can always call the GE Answer Center® at 800.626.2000, 24 hours a day, 7 days a week.

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Troubleshooting Tips

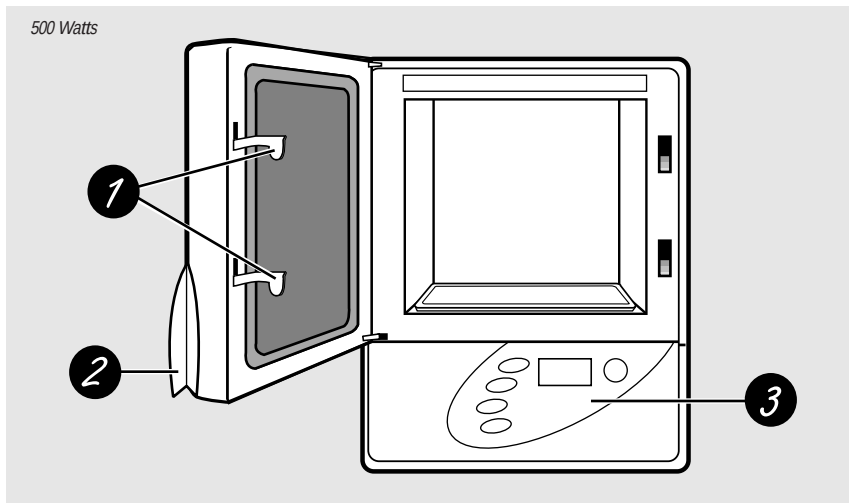
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Customer Service

About the features of your microwave oven.

Throughout this manual, features and appearance may vary from your model.

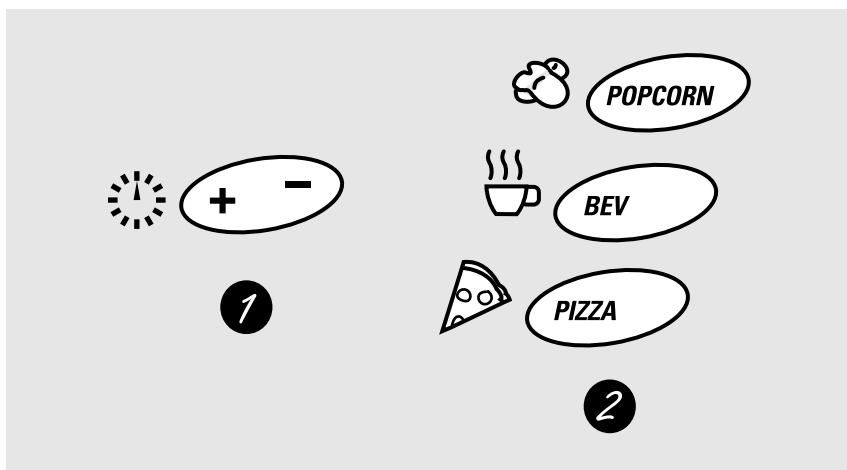


Features of the Oven

- 1** **Door Latches.**
- 2** **Door Handle.** Pull to open the door.
- 3** **Touch Control and Panel Display.**

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

You can microwave by time or with the convenience features.



Cooking Controls

1

Time Feature

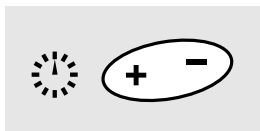
Press	Enter
Time +/–	Amount of cooking time (See the Setting Cooking Time section.)

2

Convenience Features

Press	Enter	Option
POPCORN Press once for 3.5 oz. Press twice for 3.0 oz. Press three times for 1.7 oz.	Starts immediately!	more/less time (+/–)
BEV Press once for 8.0 oz. Press twice for 12.0 oz.	Starts immediately!	more/less time (+/–)
PIZZA	Starts immediately!	more/less time (+/–)

About the time feature.



Setting Cooking Time

Allows you to microwave for any time up to 15 minutes.

- 1 Press **Time +** once for each *minute* of cooking time desired.
- 2 Press **Time -** once for *seconds* of cooking time desired.
- 3 After 5 seconds, the oven will start and the cooking time will count down in the display.

Once cooking has begun, pressing the **Time +** or **-** pad will increase or decrease cooking time by 10 seconds.

You may open the door during cooking to check the food. Close the door and press **Time +** or **-** to resume cooking.

About the convenience features.



Popcorn

To use the **Popcorn** feature:

- 1 Follow package instructions. Place the package of popcorn in the center of the microwave so that the bag will unfold from front to back in the oven.
- 2 Press **POPCORN** for a 3.5 ounce package of popcorn. The oven starts immediately. Press **POPCORN** again for a 3.0 ounce package, or a third time for a 1.7 ounce package. Cooking time may be adjusted by pressing the **Time +** or **-** pad.

NOTE: Popcorn packages smaller than 1.7 ounces or larger than 3.5 ounces should not be used in this microwave.



Beverage

To use the **Beverage** feature:

Press **BEV** once for an 8 oz. beverage or twice for a 12 oz. beverage. Cooking time may be adjusted by pressing the **Time +** or **-** pad

Drinks heated with the Beverage feature may be very hot. Remove the container with care.



Pizza

To reheat a single slice of pizza:

Press **Pizza**. The oven starts immediately and the countdown shows in the display. Cooking time may be adjusted by pressing the **Time +** or **-** pad.



More Time/Less Time

This pad works with Time Cook or the Convenience cooking features.

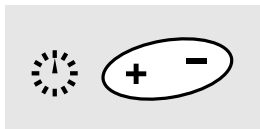
Use **Time +** or **-** during the cooking time countdown.

Pressing **Time +** will add 10 seconds to the cooking time each time you press it. Pressing **Time -** will subtract 10 seconds of cooking time each time you press it.

About the other features.

Cooking Complete Reminder

To remind you that you have food in the oven, the oven will beep once a minute until you either open the oven door or press **CLEAR/OFF**.



Clock

Use the **Time +** and **-** pad to enter the time of day. The clock can only be set immediately after plugging in the microwave. If you cannot set the clock, unplug the microwave and start again.

- 1 Press **Time +** repeatedly to set the time of day in hours.
- 2 Press **Time -** repeatedly to set the time of day in minutes.
- 3 Once the correct time of day appears in the display, release the pad and wait 10 seconds for the clock to start.



Child Lock-Out

You may lock the control panel to prevent the microwave from being accidentally started or used by children.

To lock or unlock the controls, press and hold **CLEAR/OFF** for about three seconds. When the control panel is locked, **OFF** will be displayed.

Microwave terms.

Term	Definition
<i>Arcing</i>	Arcing is the microwave term for sparks in the oven. Arcing is caused by: ■ metal or foil touching the side of the oven. ■ foil that is not molded to food (upturned edges act like antennas). ■ metal such as twist-ties, poultry pins, gold-rimmed dishes. ■ recycled paper towels containing small metal pieces.
<i>Covering</i>	Covers hold in moisture, allow for more even heating and reduce cooking time. Venting plastic wrap or covering with wax paper allows excess steam to escape.
<i>Shielding</i>	In a regular oven, you shield chicken breasts or baked foods to prevent over-browning. When microwaving, you use small strips of foil to shield thin parts, such as the tips of wings and legs on poultry, which would cook before larger parts.
<i>Standing Time</i>	When you cook with regular ovens, foods such as roasts or cakes are allowed to stand to finish cooking or to set. Standing time is especially important in microwave cooking. Note that a microwaved cake is not placed on a cooling rack.
<i>Venting</i>	After covering a dish with plastic wrap, you vent the plastic wrap by turning back one corner so excess steam can escape.

Care and cleaning of the microwave oven.



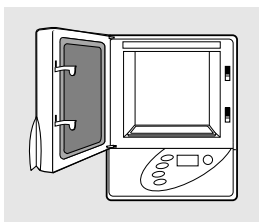
Helpful Hints

Open the oven door a few minutes after cooking to air out the inside. An occasional thorough wiping with a solution of baking soda and water keeps the inside fresh.

Unplug the cord before cleaning any part of this oven.

How to Clean the Inside

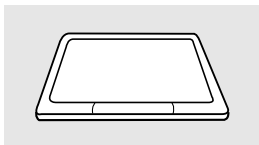
Walls, Floor, Inside Door, Metal and Plastic Parts on the Door



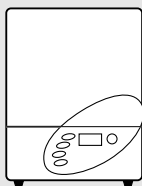
Some spatters can be removed with a paper towel, others may require a damp cloth. Remove greasy spatters with a sudsy cloth, then rinse with a damp cloth. Do not use abrasive cleaners or sharp utensils on oven walls.

Never use a commercial oven cleaner on any part of your microwave.

Glass Cooking Tray



Wash carefully in warm, sudsy water or in the dishwasher. To prevent breakage, do not place the tray in water just after cooking. The tray can be broken if dropped. Remember, do not operate the oven without the cooking tray in place.



How to Clean the Outside

Do not use cleaners containing ammonia or alcohol on the microwave oven. Ammonia or alcohol can damage the appearance of the microwave.

Case

Clean the outside of the microwave with a sudsy cloth. Rinse and then dry.

Control Panel and Door

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. Some paper towels can also scratch the control panel.

Door Surface

It's important to keep the area clean where the door seals against the microwave. Use only mild, non-abrasive detergents applied with a clean sponge or soft cloth. Rinse well.

Before you call for service...



Troubleshooting Tips

Save time and money! Review the chart below first and you may not need to call for service.

Problem	Possible Causes	What To Do
Oven will not start	A fuse in your home may be blown or the circuit breaker tripped.	• Replace fuse or reset circuit breaker.
	Power surge.	• Unplug the microwave oven, then plug it back in.
	Plug not fully inserted into wall outlet.	• Make sure the 3-prong plug on the oven is fully inserted into wall outlet.
	Door not securely closed.	• Open the door and close securely.
Control panel lighted, yet oven will not start	Door not securely closed.	• Open the door and close securely.
	Another selection entered already in oven and CLEAR/OFF pad not pressed to cancel it.	• Press CLEAR/OFF .
	CLEAR/OFF was pressed accidentally.	• Reset cooking program.
Pressing POPCORN or BEV more than once has no effect	Pad was pressed after 30 seconds of cooking time.	• Use the Time + or - pad to change cooking time.

Things That Are Normal With Your Microwave Oven

- Steam or vapor escaping from around the door.
- Dull thumping sound while oven is operating.
- TV/radio interference might be noticed while using the microwave. Similar to the interference caused by other small appliances, it does not indicate a problem with the microwave. Plug the microwave into a different electrical circuit, move the radio or TV as far away from the microwave as possible, or check the position and signal of the TV/radio antenna.

GE Microwave Oven Warranty



All warranty service provided by an authorized Customer Care® technician. For service, call 800-GE-CARES.

For The Period Of:

One Year

From the date of the original purchase

GE Will Replace:

Any part of the microwave oven which fails due to a defect in materials or workmanship. During this **one-year limited warranty**, GE will also provide, **free of charge**, all labor to repair or replace the defective part.

For the above warranty: To avoid any trip charges, you must take the microwave oven to a General Electric Customer Care® servicer and pick it up following service. In-home service is also available, but you must pay for the service technician's travel costs to your home.

What GE Will Not Cover:

- Service trips to your home to teach you how to use the product.
- Replacement of house fuses or resetting of circuit breakers.
- Improper installation.
- Damage to the product caused by accident, fire, floods or acts of God.
- Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.
- Incidental or consequential damage to personal property caused by possible defects with this appliance.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

Service Telephone Numbers.



GE Answer Center® 800.626.2000

The GE Answer Center® is open 24 hours a day, 7 days a week.



In-Home Repair Service 800-GE-CARES (800-432-2737)

Expert GE repair service is only a phone call away.



Special Needs Service 800.626.2000

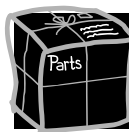
TDD 800-TDD-GEAC (800-833-4322)

GE offers, free of charge, a brochure to assist in planning a barrier-free kitchen for persons with limited mobility.



Service Contracts 800-626-2224

Purchase a GE service contract while your warranty is still in effect and you'll receive a substantial discount. GE Consumer Service will still be there after your warranty expires.



Parts and Accessories 800-626-2002

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted).

Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.



Service Satisfaction

If you are not satisfied with the service you receive from GE, follow these three steps. **First**, contact the people who serviced your appliance. **Next**, if you are still not pleased, write all the details—including your phone number—to: Manager, Consumer Relations, GE Appliances, Appliance Park, Louisville, KY 40225. **Finally**, if your problem is still not resolved, write:

Major Appliance Consumer Action Program
20 North Wacker Drive, Chicago, IL 60606.