

GoldStar

MICROWAVE OVEN

OWNER'S MANUAL

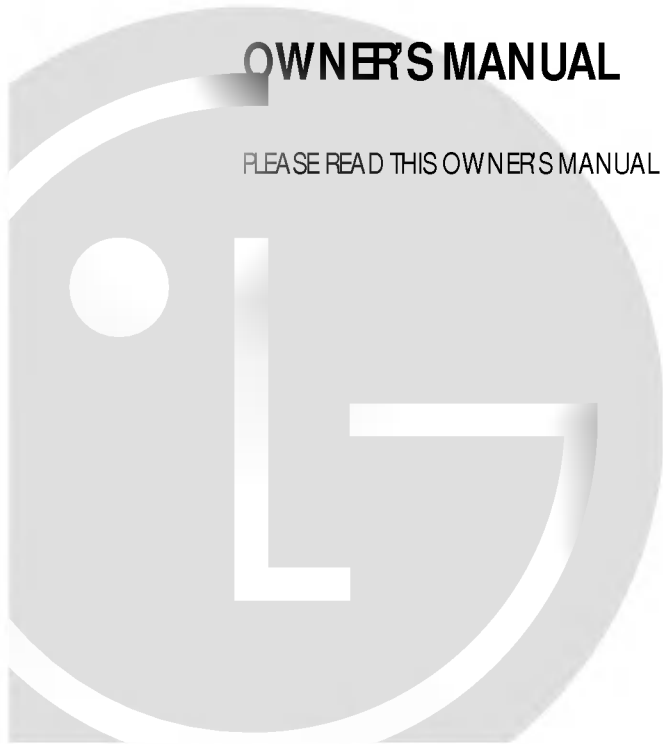
PLEASE READ THIS OWNER'S MANUAL THOROUGHLY BEFORE OPERATING.

MS-191MC

MS-283MC

MS-191MCG

MS-283MCG



Precautions

Precautions to avoid possible exposure to excessive microwave energy.

You cannot operate your oven with the door open due to the safety interlocks built into the door mechanism. These safety interlocks automatically switch off any cooking activity when the door is opened; which in the case of a microwave oven could result in harmful exposure to microwave energy.

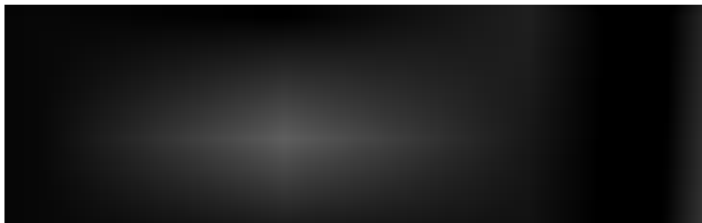
It is important not to tamper with the safety interlocks.

Do not place any object between the oven front face and the door or allow food or cleaner residue to accumulate on sealing surfaces.

Do not operate your oven if it is damaged. It is particularly important that the oven door closes properly and that there is no damage to the: (1) door(bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.

Your oven should not be adjusted or repaired by anyone except qualified service personnel.

Warning



When heating liquids, e.g. soups, sauces and beverages in your microwave oven, overheating the liquid beyond boiling point can occur without evidence of bubbling. This could result in a sudden boil over of the hot liquid. To prevent this possibility the following steps should be taken:

- 1 Avoid using straight sided containers with narrow necks.
- 2 Do not overheat.
- 3 Stir the liquid before placing the container in the oven and again halfway through the heating time.
- 4 After heating, allow to stand in the oven for a short time, stir or shake them again carefully and check the temperature of them before consumption to avoid burns (especially, contents of feeding bottles and baby food jars).

Warning

Always allow food to stand after being cooked by microwaves and check the temperature of them before consumption. Especially contents of feeding bottles and baby food jars.

Contents

How the Microwave Oven Works

Microwaves are a form of energy similar to radio and television waves and ordinary daylight. Normally, microwaves spread outwards as they travel through the atmosphere and disappear without effect. Microwave ovens, however, have a magnetron which is designed to make use of the energy in microwaves. Electricity, supplied to the magnetron tube, is used to create microwave energy.

These microwaves enter the cooking area through openings inside the oven. A turntable or tray is located at the bottom of the oven. Microwaves cannot pass through metal walls of the oven, but they can penetrate such materials as glass, porcelain and paper, the materials out of which microwave-safe cooking dishes are constructed.

Microwaves do not heat cookware, though cooking vessels will eventually get hot from the heat generated by the food.

A very safe appliance

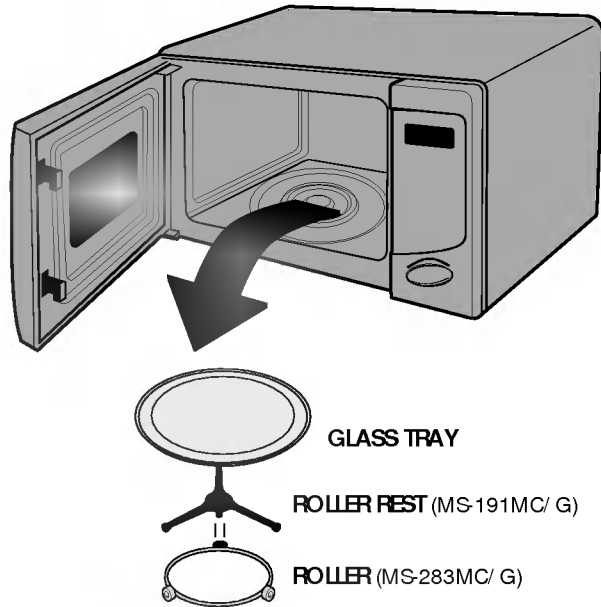
Your microwave oven is one of the safest of all home appliances. When the door is opened, the oven automatically stops producing microwaves. Microwave energy is converted completely to heat when it enters food, leaving no “left over” energy to harm you when you eat your food.

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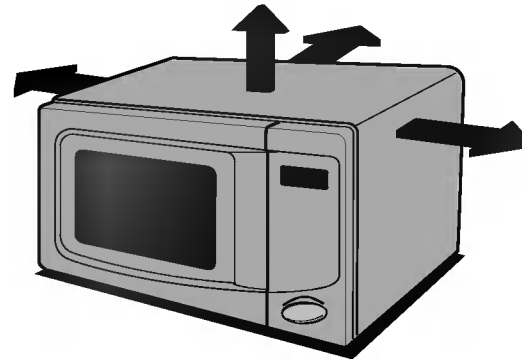
Unpacking & Installing

By following the basic steps on these two pages you will be able to quickly check that your oven is operating correctly. Please pay particular attention to the guidance on where to install your oven. When unpacking your oven make sure you remove all accessories and packing. Check to make sure that your oven has not been damaged during delivery.

- 1** Unpack your oven and place it on a flat level surface.



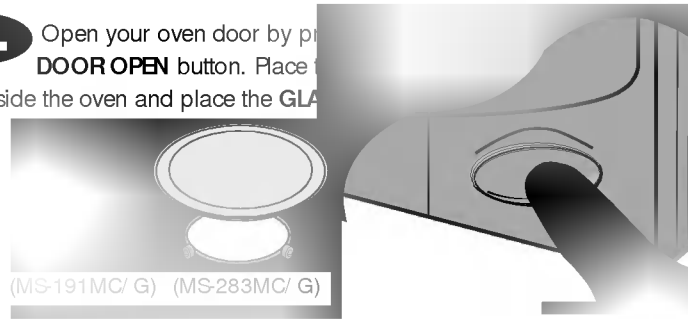
- 2** Place your oven on a flat, level surface but make sure there is at least **10 cm** of space on the top, rear and sides so there is air flow for ventilation. Exhaust outlets are located in the back and side of your oven. Blocking the outlets can damage your oven. THIS OVEN IS DESIGNED FOR BUILDING IN. (Not over a heat source)



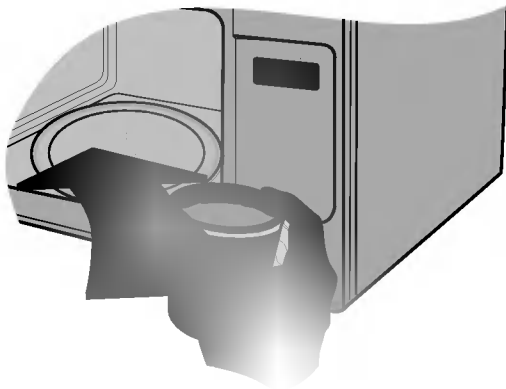
THIS OVEN SHOULD NOT BE USED FOR COMMERCIAL CATERING PURPOSES

3 Plug your oven into a standard household socket. Make sure your oven is the only appliance connected to the socket. **If your oven does not operate properly, unplug it from the electrical socket and then plug it back in.**

4 Open your oven door by pressing the **DOOR OPEN** button. Place the **GLASS TRAY** inside the oven and place the **GLASS TRAY REST** inside the oven and place the **GLASS TRAY** on top.



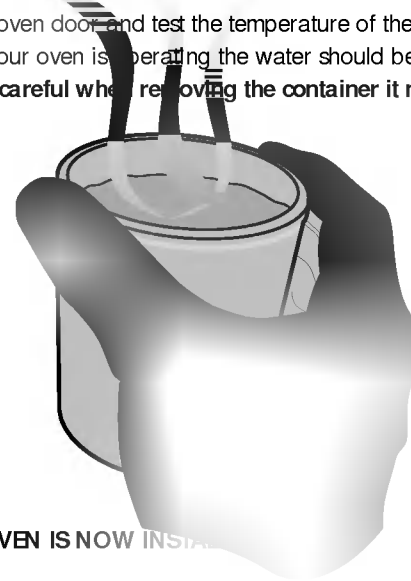
5 Fill a **microwave safe container** with 300 ml (1/ 2 pint) of water. Place on the **GLASS TRAY** and close the oven door. If you have any doubts about what type of container to use please refer to page 18.



6 Press the **START** button six times to set 3 minutes of cooking time. You will hear a BEEP each time you press the button. Your oven will start before you have finished the sixth press; don't worry this is normal.



7 The **DISPLAY** will count down from 3 minutes. When it reaches 0 it will sound three BEEPS. Open the oven door and test the temperature of the water. If your oven is operating the water should be warm. **Be careful when removing the container it may be hot.**



Setting the Clock

You can set 12 hour clock or 24 hour dock optionally.
In the following example I will show you how to set the time for 4.35 in the case of 12 clock.
Make sure that you have removed all packaging from your oven.



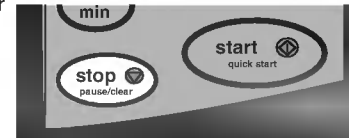
When your oven is plugged in for the first time or when power resumes after a power cut a '0' will be shown in the display; you will have to reset the clock.

If the clock (or display) show any strange looking symbols, unplug your oven from the electrical socket, plug it back in and reset the clock.

During clock setting the colon will flash, once set the colon will stop flashing.

Make sure you have correctly installed your oven as described earlier

Press **STOP**.



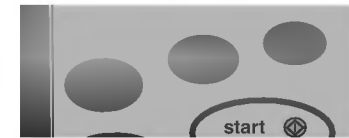
Press **CLOCK** (If you want a different option, Press **CLOCK** once more.

If you want to change different option after setting clock, you have to unplug and plug it back in.)



Press **10 MIN / 1 MIN / 10 SEC** (If you want a different option, Press **CLOCK** once more.

If the key (10 MIN / 1 MIN / 10 SEC) is pressed and held, the time will increase rapidly.



Press **CLOCK** to set the time and start the clock counting.

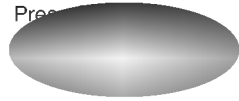


Child Lock

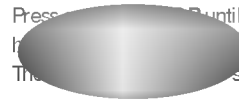


Your oven has a safety feature that prevents accidental running of the oven. Once the child lock is set, you will be unable to use any functions and no cooking can take place. However your child can still open the oven door!

Press

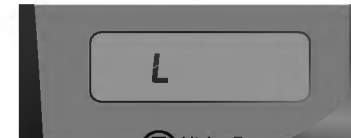


Press **STOP** until "L" appears in the display and one beep is heard. The time will disappear from the display if you have set the clock.



The time will disappear from the display if you have set the clock.

"L" will be displayed to let you know that **CHILD LOCK** is set.



To cancel **CHILD LOCK** press and hold **STOP** until "L" disappears. You will hear a beep when the lock is released.



Micro Power Cooking

In the following example I will show you how to cook some food on 80% power for 5 minutes and 30 seconds.



Your oven has five microwave Power settings. High power is automatically selected but repeated presses of the **POWER** button will select different power levels.

POWER	Press POWER	%
HIGH MAX	1	100%
MEDIUM HIGH	2	80%
MEDIUM	3	60%
DEFROST MEDIUM LOW	4	40%
LOW	5	20%

Make sure you have correctly installed your oven as described earlier

Press **STOP**.



Press **POWER** to select 80% power.

"1" will display.



Press **10 min**.



Press **30 sec**.



Micro Power Level

Your microwave oven is equipped with 5 power levels to give you maximum flexibility and control over cooking. The table below shows example foods and their recommended cooking power levels for use with this microwave oven.

Power level	Output	Use
HIGH, MAX	100%	<ul style="list-style-type: none"> * Boil Water * Brown minced beef * Cook poultry pieces, fish, vegetables * Cook tender cuts of meat
MEDIUM HIGH	80%	<ul style="list-style-type: none"> * All reheating * Roast meat and poultry * Cook mushrooms and shellfish * Cook foods containing cheese and eggs
MEDIUM	60%	<ul style="list-style-type: none"> * Bake cakes and scones * Prepare eggs * Cook custard * Prepare rice, soup
DEFROST/ MEDIUM LOW	40%	<ul style="list-style-type: none"> * All thawing * Melt butter and chocolate * Cook less tender cuts of meat
LOW/ WARM	20%	<ul style="list-style-type: none"> * Soften butter & cheese * Soften ice cream * Raise yeast dough

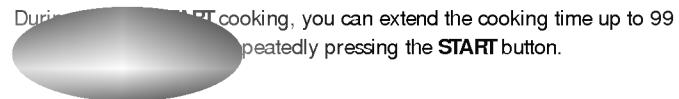
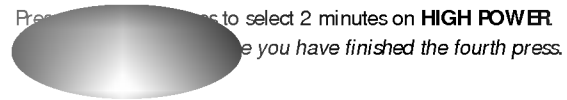
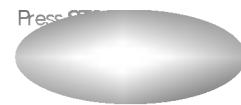


Quick Start

In the following example I will show you how to set 2 minutes of cooking on high power.



The **QUICK START** feature allows you to set 30 second intervals of **HIGH POWER** cooking with a touch of the **START** button.



Auto Cook

In the following example I will show you how to cook 2 jacket potatoes (0.4 kg).
: MS-191MC, MS-191MCG



AUTO COOK allows you to easily cook most of your favorite food by selecting the food type.

Your oven has preset categories for automatically setting the cooking time of three categories of food.

Press  and close the door.



Press  **COOK** food type button.
 **JACKET POTATO** twice.
"2" appears in the display.



Cooking will begin automatically without pressing the START button.

JACKET POTATO	Room temp.	1 (200 g) 2 (400 g) 3 (600 g) 4 (800 g)	5 minutes 8 minutes 11 minutes 14 minutes	Wash, dry and prick potato with a fork several times. Place the potato on top of/ wrapped in three pieces of paper towel in the centre of the glass tray.
FRESH VEGETABLES	Room temp.	200 g 400 g 600 g 800 g	3 minutes 6 minutes 9 minutes 12 minutes	Place prepared vegetables into a suitable sized container (e.g. casserole dish). Add 30 ml water per 200 g vegetables.
FROZEN VEGETABLES	Frozen	200 g 400 g 600 g 800 g	4 minutes 7 minutes 10 minutes 13 minutes	Place prepared frozen vegetables into a suitable sized container. Add 30 ml water per 200 g vegetable. Cover and place in the centre of the glass tray.

Auto Cook

In the following example I will show you how to cook jacket potatoes (0.4 kg).
: MS-283MC, MS-283MCG



AUTO COOK allows you to easily cook most of your favorite food by selecting the food type, and entering the weight of the food by pressing the +/- buttons.

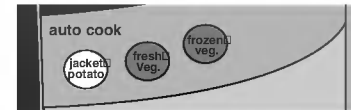
NOTE

When cooking vegetables with the AUTO COOK function only microwave mode is used, but when cooking meat, grill and microwave modes are used alternately.

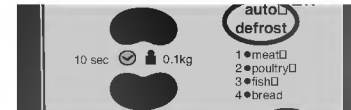
Press and close the door.



Press and .



Select weight of potato.



If the +/- keys are pressed and held the weight will increase rapidly.

JACKET POTATO	Room temp.	Glass tray	100 g ~ 1.0 kg	Wash, dry and prick potato with a fork several times. Place the potato with three pieces of paper towel in the centre of the glass tray. After Cooking, let stand for 5 minutes.
FRESH VEGETABLES	Room temp.	Glass tray	200 g ~ 800 g	Place prepared vegetables into a suitable sized container (e.g. casserole dish). Add 30 ml water per 200 g vegetables. After Cooking, let stand for 5 minutes.
FROZEN VEGETABLES	Frozen	Glass tray	200 g ~ 800 g	Place prepared frozen vegetables into a suitable sized container. Add 30 ml water per 200 g vegetable. Cover and place in the centre of the glass tray. After Cooking, let stand for 5 minutes.

More(+) or Less(-) Cooking

In the following example I will show you how to change the preset AUTO COOK programmes for a longer or shorter cooking time..

: MS-283MC, MS-283MCG

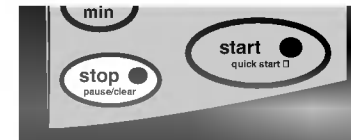
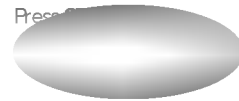


Your food is cooking to how you like it by using the **MANUAL COOK** and **AUTO COOK** programme, there is no need to use the **+(MORE)** or **-(LESS)** buttons

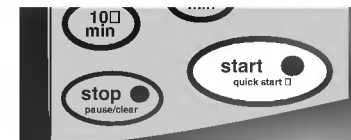
Your food is cooked to your satisfaction by using the **MORE(+)** or **LESS(-)** buttons all of the **AUTO COOK** programmes to be adjusted to cook your food for a longer or shorter time.

When cooking without Auto function you can extend the cooking time at any point using the **+/-** key.

There is no need to stop the cooking process.

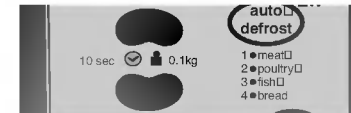


Set the **AUTO COOK** programme.



Press **START**.

Press **+** to increase by **10** seconds for each press of the key.



Press **-(less)** once.

The cooking time will decrease by **10** seconds for each press of the key

Auto Defrost

The temperature and density of food varies, I would recommend that the food is checked before cooking commences. Pay particular attention to large joints of meat and chicken, some foods should not be completely thawed before cooking. For example fish cooks so quickly that it is sometimes better to begin cooking while still slightly frozen. The **BREAD** programme is suitable for defrosting small items such as rolls or a small loaf. These will require a standing time to allow the centre to thaw. In the following example I will show you how to defrost 0.4 kg of frozen poultry.

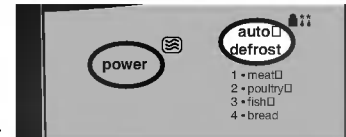


Your oven has four microwave defrost settings: - **MEAT**, **POULTRY**, **FISH** and **BREAD**; each defrost category has different power settings. Repeated presses of the **AUTO DEFROST** buttons will select different settings.

Category	Press
	DEFROST
MEAT	1
POULTRY	2
FISH	3
BREAD	4

Press are about to defrost. Be certain to remove any microwaveable items from the oven and place in your oven and close the oven door.

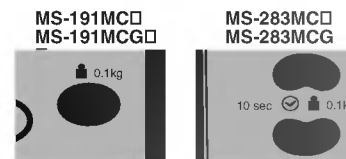
Press **AUTO DEFROST** twice to select the **POULTRY** defrosting programme. "def2" appears in the display window.



Enter the weight of the food that you are about to defrost.

Press times to enter 0.4 Kg. "0.4" will be displayed.

Your oven can defrost from 0.1 ~ 4 Kg (Bread: 0.1 ~ 0.5 kg).







Press You can stop defrosting (even when the beep sounds) unless the door is opened.



During defrosting your oven will "BEEP", at which point open the oven door and separate to ensure even thawing. Remove any plastic wrap or shield them to help slow down thawing. After checking close the oven door and press **START** to resume defrosting. Your oven will not stop defrosting (even when the beep sounds) unless the door is opened.



AUTO DEFROST SEQUENCE LIST

SEQUENCE		FOOD	MIN./ MAX. FOOD
MEAT 	Beef	Minced beef, Fillet steak, Cubes for stew, Sirloin steak, Pot roast, Flump roast, Beef burger.	0.1/ 4.0 kg
	Lamb	Chops(2.5 cm thick), Filled roast.	
	Pork	Chops(1.2 cm thick), Spareribs, Filled roast, Sausage.	
	Veal	Cutlets(450 g, 1.2 cm thick)	
POULTRY 	Chicken	Whole(under 2 Kg), Cut up Breasts(boneless), Legs.	0.1/ 4.0 kg
	Turkey	Breasts(under 2.5 Kg)	
FISH 	Fish	Fillets, Steaks, Whole	0.1/ 4.0 kg
	Shellfish	Crabmeat, Lobster tails, Shrimp, Scallops	
BREAD 		Sliced brown/ white bread, White/ brown rolls, French stick, Baguette, Croissant	0.1/ 0.5 kg

- * The benefit of this Auto Defrost feature is automatic setting and control of defrosting, but just like conventional defrosting you must check the food during the defrosting time.
- * For best results, remove fish, shellfish, meat and poultry from its original paper or plastic package(wrapper). Otherwise, the wrap will hold steam and juice close to the food which can cause the outer surface of the food to cook.
- * Place food in shallow glass baking dish or microwave roasting rack to catch drippings.
- * Food should still be some what icy in the centre when removed from the oven.
- * When it is difficult to remove the wrap from the food, defrost the wrapped food for about a quarter of the total defrost time, which is displayed at the beginning of the defrost cycle. Then remove the food from the oven and remove the wrap from the food.
- * Sliced bread should be placed between sheets of kitchen towel, bread rolls should be cut in half before defrosting.

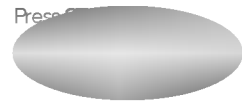


Timer

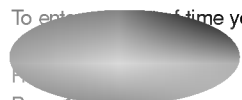
In the following example I will show you how to set the timer for 15 minutes.



Your oven also has a Timer that can be used for noncooking functions. When used as an independent timer, the oven is not running. The Timer is simply counting down in seconds.



To enter the amount of time you want to count down.



Press 1 MIN 5 times.



The timer is counting down in the display window with no cooking or heating in the oven. Two short and one long beep will sound and the word "End" will show in the display window at the end of the countdown period.



Two stage Cooking

In the following example I will show you how to cook some food in two stage. The first stage will cook your food for 11 minutes on HIGH; the second will cook for 32 minutes on 40%

: MS-283MC, MS-283MCG



During two stage cooking the oven door can be opened and food checked. Close the oven door and press **START** and the cooking stage will continue.

At the end of stage1, two beeps are heard and stage 2 commences.

Should you wish to clear the programme press **STOP/ CLEAR** twice.

Press **STOP/ CLEAR** twice to select HIGH power.



Set the cooking time for stage1.
For the first stage set 11 minutes.
Press **10 MIN** once.
Press **1 MIN** once.



Set the cooking time for stage2.
Press **STOP/ CLEAR** twice to select 40% power.



Set the cooking time for 32 minutes. Press **10 MIN** three times.
Press **1 MIN** twice.

Press **STOP/ CLEAR** twice.



Microwave-safe Utensils

Never use metal or metal trimmed utensils in your microwave oven

Microwaves cannot penetrate metal. They will bounce off any metal object in the oven and cause arcing, an alarming phenomenon that resembles lightning.

Most heat resistant non metallic cooking utensils are safe for use in your microwave oven. However, some may contain materials that render them unsuitable as microwave cookware. If you have any doubts about a particular utensil, there's a simple way to find out if it can be used in your microwave oven.

Place the utensil in question next to a glass bowl filled with water in the microwave oven. Microwave at power HIGH for 1 minute. If the water heats up but the utensil remains cool to the touch, the utensil is microwave-safe. However, if the water does not change temperature but the utensil becomes warm, microwaves are being absorbed by the utensil and it is not safe for use in the microwave oven. You probably have many items on hand in your kitchen right now that can be used as cooking equipment in your microwave oven. Just read through the following checklist.

Dinner plates

Many kinds of dinner-ware are microwave-safe. If in doubt consult the manufacturer's literature or perform the microwave test.

Glassware

Glassware that is heat-resistant is microwave-safe. This would include all brands of oven tempered glass cookware. However, do not use delicate glassware, such as tumblers or wine glasses, as these might shatter as the food warms.

Plastic storage containers

These can be used to hold foods that are to be quickly reheated. However, they should not be used to hold foods that will need considerable time in the oven as hot foods will eventually warp or melt plastic containers.

Paper

Paper plates and containers are convenient and safe to use in your microwave oven, provided that the cooking time is short and foods to be cooked are low in fat and moisture. Paper towels are also very useful for wrapping foods and for lining baking trays in which greasy foods such as bacon are cooked. In general, avoid colored paper products as the colour may run. Some recycled paper products may contain impurities which could cause arcing or fires when used in the microwave oven.

Plastic cooking bags

Stirring is one of the most important of all microwaving techniques. In conventional cooking, foods are stirred for the purpose of blending. Microwaved foods, however, are stirred in order to spread and redistribute heat. Always stir from the outside towards the centre as the outside of the food heats first.

Plastic microwave cookware

A variety of shapes and sizes of microwave cookware are available. For the most part, you can probably use items you already have on hand rather than investing in new kitchen equipment.

Pottery, stoneware and ceramic

Containers made of these materials are usually fine for use in your microwave oven, but they should be tested to be sure.

CAUTION

Some items with high lead or iron content are not suitable for cooking utensils.

Food characteristics & Microwave cooking

Keeping an eye on things

The recipes in this book have been formulated with great care, but your success in preparing them depends on how much attention you pay to the food as it cooks. Always watch your food while it cooks. Your microwave oven is equipped with a light that turns on automatically when the oven is in operation so that you can see inside and check the progress of your food. Directions given in recipes to elevate, stir, and the like should be thought of as the minimum steps recommended. If the food seems to be cooking unevenly, simply make the necessary adjustments you think appropriate to correct the problem.

Factors affecting microwave cooking times

Many factors affect cooking times. The temperature of ingredients used in a recipe makes a big difference in cooking times. For example, a cake made with ice-cold butter, milk, and eggs will take considerably longer to bake than one made with ingredients that are at room temperature. All of the recipes in this book give a range of cooking times. In general, you will find that the food remains under-cooked at the lower end of the time range, and you may sometimes want to cook your food beyond the maximum time given, according to personal preference. The governing philosophy of this book is that it is best for a recipe to be conservative in giving cooking times. While overcooked food is ruined for good. Some of the recipes, particularly those for bread, cake, and custards, recommend that food be removed from the oven when they are slightly undercooked. This is not a mistake. When allowed to stand, usually covered, these foods will continue to cook outside of the oven as the heat trapped within the outer portions of the food gradually travels inward. If the food is left in the oven until it is cooked all the way through, the outer portions will become overcooked or even burnt. You will become increasingly skilful in estimating both cooking and standing times for various foods.

Density of food

Light, porous food such as cakes and bread cook more quickly than heavy, dense foods such as roasts and casseroles. You must take care when microwaving porous food that the outer edges do not become dry and brittle.

Height of food

The upper portion of tall food, particularly roasts, will cook more quickly than the lower portion. Therefore, it is wise to turn tall food during cooking, sometimes several times.

Moisture content of food

Since the heat generated from microwaves tends to evaporate moisture, relatively dry food such as roasts and some vegetables should either be sprinkled with water prior to cooking or covered to retain moisture.

Bone and fat content of food

Bones conduct heat and fat cooks more quickly than meat. Care must be taken when cooking bony or fatty cuts of meat that they do not cook unevenly and do not become overcooked.

Quantity of food

The number of microwaves in your oven remains constant regardless of how much food is being cooked. Therefore, the more food you place in the oven, the longer the cooking time. Remember to decrease cooking times by at least one third when halving a recipe.

Shape of food

Microwaves penetrate only about 2.5 cm into food, the interior portion of thick foods are cooked as the heat generated on the outside travels inward. Only the outer edge of food is cooked by microwave energy; the rest is cooked by conduction. The worst possible shape for a food that is to be microwaved is a thick square. The corners will burn long before the centre is even warm. Round thin foods and ring shaped foods cook successfully in the microwave.

Covering

A cover traps heat and steam which causes food to cook more quickly. Use a lid or microwave cling film with a corner folded back to prevent splitting.

Browning

Meats and poultry that are cooked fifteen minutes or longer will brown lightly in their own fat. Food that is cooked for a shorter period of time may be brushed with a browning sauce such as Worcestershire sauce, soy sauce or barbecue sauce to achieve an appetizing colour. Since relatively small amounts of browning sauce is added to food, the original flavour of the recipe is not altered.

Covering with greaseproof paper

Greaseproofing effectively prevents spattering and helps food retain some heat. But because it makes a looser cover than a lid or clingfilm, it allows the food to dry out slightly.

Arranging and spacing

Individual foods such as baked potatoes, small cakes and hors d'oeuvres will heat more evenly if placed in the oven an equal distance apart, preferably in a circular pattern. Never stack foods on top of one another.

Food characteristics & Microwave cooking.

Stirring

Stirring is one of the most important of all microwaving techniques. In conventional cooking, food is stirred for the purpose of blending. Microwaved food, however, is stirred in order to spread and redistribute heat. Always stir from the outside towards the centre as the outside of the food heats first.

Turning over

Large, tall foods such as roasts and whole chickens should be turned so that the top and bottom will cook evenly. It is also a good idea to turn cut up chicken and chops.

Placing thicker portions facing outwards

Since microwaves are attracted to the outside portion of food, it makes sense to place thicker portions of meat, poultry and fish to the outer edge of the baking dish. This way, thicker portions will receive the most microwave energy and the food will cook evenly.

Shielding

Strips of aluminium foil (which block microwaves) can be placed over the corners or edges of square and rectangular food to prevent those portions from overcooking. Never use too much foil and make sure the foil is secured to the dish or it may cause 'arcing' in the oven.

Elevating

Thick or dense foods can be elevated so that microwaves can be absorbed by the underside and centre of the foods.

Piercing

Foods enclosed in a shell, skin or membrane are likely to burst in the oven unless they are pierced prior to cooking. Such foods include yolks and whites of eggs, clams and oysters and whole vegetables and fruits.

Testing if cooked

Food cooks so quickly in a microwave oven, it is necessary to test it frequently. Some foods are left in the microwave until completely cooked, but most foods, including meats and poultry, are removed from the oven while still slightly undercooked and allowed to finish cooking during standing time. The internal temperature of foods will rise between 5°F (3°C) and 15°F (8°C) during standing time.

Standing time

Foods are often allowed to stand for 3 to 10 minutes after being removed from the microwave oven. Usually the foods are covered during standing time to retain heat unless they are supposed to be dry in texture (some cakes and biscuits, for example). Standing allows foods to finish cooking and also helps flavour blend and develop.

To Clean Your Oven

1 Keep the inside of the oven clean

Food spatters or spilled liquids stick to oven walls and between seal and door surface. It is best to wipe up spillovers with a damp cloth right away. Crumbs and spillovers will absorb microwave energy and lengthen cooking times. Use a damp cloth to wipe out crumbs that fall between the door and the frame. It is important to keep this area clean to assure a tight seal. Remove greasy spatters with a soapy cloth then rinse and dry. Do not use harsh detergent or abrasive cleaners. The glass tray can be washed by hand or in the dishwasher.

2 Keep the outside of the oven clean

Clean the outside of your oven with soap and water then with clean water and dry with a soft cloth or paper towel. To prevent damage to the operating parts inside the oven, the water should not be allowed to seep into the ventilation openings. To clean control panel, open the door to prevent oven from accidentally starting, and wipe a damp cloth followed immediately by a dry cloth. Press STOP after cleaning.

3 If steam accumulates inside or around the outside of the oven door, wipe the panels with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates a malfunction of the unit.

4 The door and door seals should be kept clean. Use only warm, soapy water, rinse then dry thoroughly.

DO NOT USE ABRASIVE MATERIALS, SUCH AS CLEANING POWDERS OR STEEL AND PLASTIC PADS.

Metal parts will be easier to maintain if wiped frequently with a damp cloth.

WARNING

Please ensure cooking times are correctly set as over cooking may result in FIRE and subsequent DAMAGE to the OVEN.

Safety precautions

- 1 Do not attempt to tamper with, or make any adjustments or repairs to the door, control panel, safety interlock switches or any other part of the oven. Repairs should only be undertaken by a qualified service technician.
- 2 Do not operate the oven when empty. It is best to leave a glass of water in the oven when not in use. The water will safely absorb all microwave energy, if the oven is accidentally started.
- 3 Do not dry clothes in the microwave oven, which may become carbonized or burned if heated too long.
- 4 Do not cook food wrapped in paper towels, unless your cook book contains instructions, for the food you are cooking.
- 5 Do not use newspaper in place of paper towels for cooking.
- 6 Do not use wooden containers. They may heat-up and char. Do not use ceramic containers which have metallic (e.g. gold or silver) inlays. Always remove metal twist ties. Metal objects in the oven may arc, which can cause serious damage.
- 7 Do not operate the oven with a kitchen towel, a napkin or any other obstruction between the door and the front edges of the oven, which may cause microwave energy leakage.
- 8 Do not use recycled paper products since they may contain impurities which may cause sparks and/ or fires when used in cooking.
- 9 Do not rinse the turntable by placing it in water just after cooking. This may cause breakage or damage.
- 10 Small amounts of food require shorter cooking or heating time. If normal times are allowed they may overheat and burn.
- 11 Be certain to place the oven so the front of the door is 8 cm or more behind the edge of the surface on which it is placed, to avoid accidental tipping of the appliance.
- 12 Before cooking, pierce the skin of potatoes, apples or any such fruit or vegetable.
- 13 Do not cook eggs in their shell. Pressure will build up inside the egg which will burst.
- 14 Do not attempt deep fat frying in your oven.
- 15 Remove the plastic wrapping from food before cooking or defrosting. Note though that in some cases food should be covered with plastic film, for heating or cooking.
- 16 If the oven door is damaged, the oven must not be operated until it has been repaired by a qualified service technician.
- 17 If smoke is observed keep the oven door closed and switch off or disconnect the oven from the power supply.
- 18 When food is heated or cooked in disposable containers of plastic, paper or other combustible materials look at the oven frequently to check if the food container is deteriorating.

Question & Answers

Q What's wrong when the oven light will not glow?

A There may be several reasons why the oven light will not glow.
Light bulb has blown.
Door is not closed.

Q Does microwave energy pass through the viewing screen in the door?

A No. The holes, or ports, are made to allow light to pass; they do not let microwave energy through.

Q Why does the beep tone sound when a pad on the Control Panel is touched?

A The beep tone sounds to assure that the setting is being properly entered.

Q Will the microwave oven be damaged if it operates empty?

A Yes. Never run it empty or without the glass tray.

Q Why do eggs sometimes pop?

A When baking, frying, or poaching eggs, the yolk may pop due to steam build up inside the yolk membrane. To prevent this, simply pierce the yolk before cooking. Never microwave eggs in the shell.

Q Why is standing time recommended after microwave cooking is over?

A After microwave cooking is finished, food keeps on cooking during standing time. This standing time finishes cooking evenly throughout the food. The amount of standing time depends on the density of the food.

Q Is it possible to pop corn in a microwave oven?

A Yes, if using one of the two methods described below:

- 1 Popcorn-popping utensils designed specifically for microwave cooking.
- 2 Prepackaged commercial microwave popcorn that contains specific times and power outputs needed for an acceptable final product.

FOLLOW EXACT DIRECTIONS GIVEN BY EACH MANUFACTURER FOR THEIR POPCORN PRODUCT. DO NOT LEAVE THE OVEN UNATTENDED WHILE THE CORN IS BEING POPPED. IF CORN FAILS TO POP AFTER THE SUGGESTED TIMES, DISCONTINUE COOKING. OVERCOOKING COULD RESULT IN THE CORN CATCHING FIRE.

CAUTION

NEVER USE A BROWN PAPER BAG FOR POPPING CORN. NEVER ATTEMPT TO POP LEFTOVER KERNELS.

Q Why doesn't my oven always cook as fast as the cooking guide says?

A Check your cooking guide again to make sure you've followed directions correctly, and to see what might cause variations in cooking time. Cooking guide times and heat settings are suggestions, chosen to help prevent overcooking, the most common problem in getting used to a microwave oven. Variations in the size, shape, weight and dimensions of the food require longer cooking time. Use your own judgement along with the cooking guide suggestions to test food condition, just as you would do with a conventional cooker.

Plug wiring information/ Technical Specifications

Warning

The wires in this mains lead are colored in accordance with the following codes

BLUE ~ Neutral


BROWN ~ Live

GREEN & YELLOW ~ Earth

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is colored BLUE must be connected to the terminal which is marked with the letter N or Colored BLACK.

The wire which is colored BROWN must be connected to the terminal which is marked with the letter L or colored RED.

The wire which is colored GREEN & YELLOW or GREEN must be connected to the terminal which is marked with the letter E or .

Technical Specification

MS-191MC/ MS-191MCG	
Power Input	230 V AC/ 50 Hz 240 V AC/ 50 Hz
Output	800 W (IEC705 rating standard)
Microwave Frequency	2450 MHz
Outside Dimension	483 mm(W) X 285 mm(H) X 334 mm(D)
Power Consumption	1250 Watts

MS-283MC/ MS-283MCG	
Power Input	230 V AC/ 50 Hz 240 V AC/ 50 Hz
Output	900 W (IEC705 rating standard)
Microwave Frequency	2450 MHz
Outside Dimension	530 mm(W) X 322 mm(H) X 385 mm(D)
Power Consumption	1300 Watts 1350 Watts



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