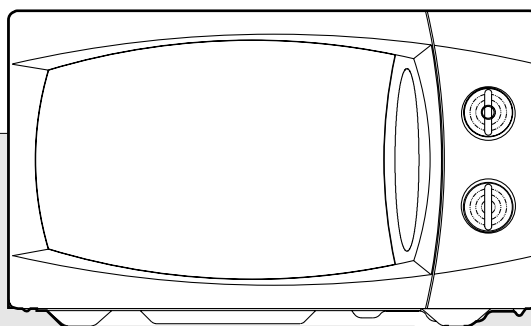


**DAEWOO**

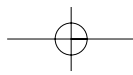
# MICROWAVE OVEN

KOG-3C675S

OPERATING INSTRUCTIONS  
& COOK BOOK



Before operating this oven, please read these instructions completely.

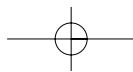


## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (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) **WARNING** : If the door or door seals are damaged, the oven must not be operated until it has been repaired by a trained person : (1) door (bent), (2) hinges and latches(broken or loosened), (3) door seals and sealing surfaces.
- (d) **WARNING** : It is hazardous for anyone other than a trained person to carry out any service or repair operation which involves the removal of any cover which gives protection against exposure to microwave energy.
- (e) **WARNING** : Liquids or other foods must not be heated in sealed containers since they are liable to explode.
- (f) **WARNING** : Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.

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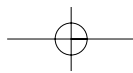
# IMPORTANT SAFETY INSTRUCTIONS

**WARNING : To prevent fire, burns, electric shock and other warnings:**

Listed below are, as with all appliances, certain rules to follow and safeguards to assure high performance from this oven:

1. Do not use the oven for any reason other than food preparation, such as for drying clothes, paper, or any other nonfood items or for sterilizing purposes.
2. Do not use the oven when empty, this could damage the oven.
3. Do not use the oven cavity for any type of storage, such as papers, cookbook, cookware, etc.
4. Do not operate the oven without the glass tray in place. Be sure it is properly sitting on the rotating base.
5. Make sure you remove caps or lids prior to cooking when you cook food sealed in bottles.
6. Do not put foreign material between the oven surface and door. It could result in excessive leakage of microwave energy.
7. Do not use recycled paper products for cooking. They may contain impurities which could cause sparks and/or fires when used during cooking.
8. Do not pop popcorn unless popped in a microwave approved popcorn popper or unless it's commercially packaged and recommended especially for microwave ovens. Microwave popped corn produces a lower yield than conventional popping; there will be a number of unpopped kernels. Do not use oil unless specified by the manufacturer.
9. Do not cook any food surrounded by a membrane, such as egg yolks, potatoes, chicken livers, etc., without first piercing them several times with a fork.
10. Do not pop popcorn longer than the manufacturer's directions. (popping time is generally below 3 minutes). Longer cooking does not yield more popped corn, it can cause scorchings and fire. Also, the cooking tray can become too hot to handle or may break.
11. If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.
12. When heating food in plastic or paper containers, check the oven frequently due to the possibility of ignition.
13. The contents of feeding bottles and baby food jars are to be stirred or shaken and the temperature is to be checked before consumption, in order to avoid burns.
14. Always test the temperature of food or drink which has been heated in a microwave oven before you give it to somebody, especially to children or elderly people. This is important because things which have been heated in a microwave oven carry on getting hotter even though the microwave oven cooking has stopped.
15. Eggs in their shell and whole hard-boiled eggs shall not be heated in microwave ovens since they may explode.
16. Keep the waveguide cover clean at all times. Wipe the oven interior with a soft damp cloth after each use. If you leave grease or fat anywhere in the cavity it may overheat, smoke or even catch fire when next using the oven.
17. Never heat oil or fat for deep frying as you cannot control the temperature and doing so may lead to overheating and fire.
18. Microwave heating of beverages can result in delayed eruptive boiling, therefore care has to be taken when handling the container.
19. a) Be cautious about touching parts other than control panel during or immediately following grill or combi cooking.  
b) Always use hot pads or oven mitts when placing or removing food and/or accessories from the oven.

## SAVE THESE INSTRUCTIONS



# EARTHING INSTRUCTIONS

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

**WARNING:**

Improper use of the earthing plug can result in a risk of electric shock. Consult a qualified electrician or serviceman if the earthing instructions are not completely understood, or if doubt exists as to whether the appliance is properly earthed. If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade earthing plug, and a 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

# INSTALLATION

**1. Ventilation**

Do not block air vents. If they are blocked during operation, the oven may overheat and eventually cause a failure. For proper ventilation, allow above 3 inches of space between oven sides, rear and the minimum height of free space necessary above the top surface of the oven is 100mm.

**2. Steady, flat location**

This oven should be set on a steady, flat surface. This oven is designed for counter top use only.

**3. Leave space behind and side**

All air vents should be kept a clearance. If all vents are covered during operation, the oven may overheat and, eventually, oven failure.

**4. Away from radio and TV sets**

Poor television reception and radio interference may result if the oven is located close to a TV, Radio antenna, feeder and so on. Position the oven as far from them as possible.

**5. Away from heating appliance and water taps**

Keep the oven away from hot air, steam or Splash when choosing a place to position it, or the insulation might be adversely affected and breakdowns occur.

**6. Power supply**

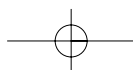
- Check your local power source. This oven requires a current of approximately 11 amperes, 230V 50Hz.
- Power supply cord is about 0.8 meters long.
- The voltage used must be the same as specified on this oven. Using a higher voltage may result in a fire or other accident causing oven damage. Using low voltage will cause slow cooking. We are not responsible for damage resulting from use of this oven with a voltage of ampere fuse other than those specified.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

**7. Examine the oven after unpacking for any damage such as:**

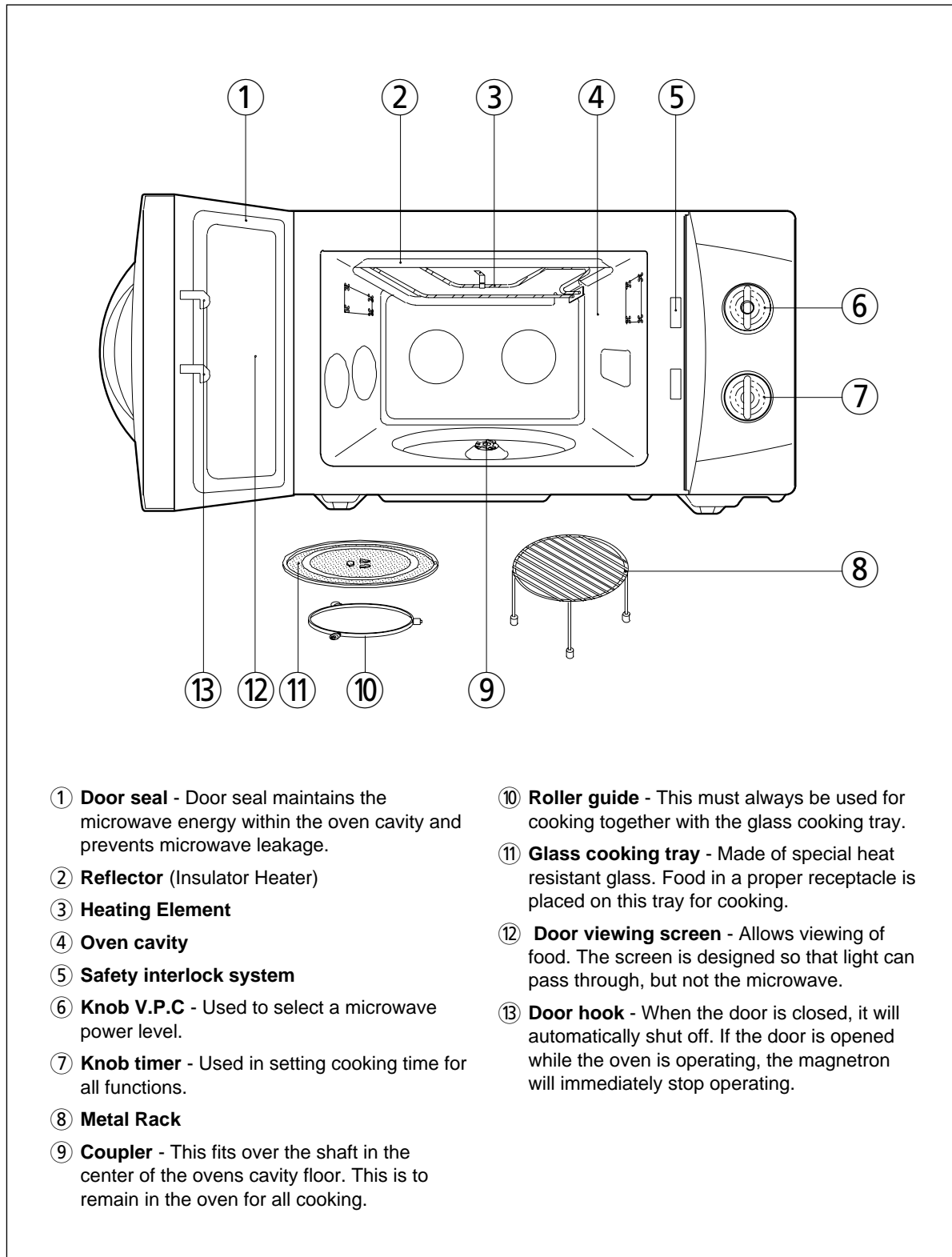
A misaligned door, Broken door, A dent in cavity. If any of the above are visible, DO NOT INSTALL, and notify dealer immediately.

**8. Do not operate the oven if it is colder than room temperature.**

(This may occur during delivery in cold weather.) Allow the oven to become room temperature before operating.



## FEATURES DIAGRAM



# OPERATION PROCEDURE

This section includes useful information about oven operation.

1. Connect the mains lead to an electrical outlet.
2. After placing the food in a suitable container, open the oven door and put it on the glass tray.



The glass tray and roller guide must always be in place during cooking.

3. Shut the door. Make sure that it is firmly closed. When the oven door is opened, the light turns off. The oven door can be opened at any time during operation by pulling the door. The oven will automatically shut off.


4. How to set each function

### To set MICROWAVE cooking


- Set the variable power selector to the desired power level.

SYMBOL	POWER LEVEL	OUTPUT POWER
	WARM	26%
	DEFROST	41%
1	MEDILUM	73%
2	MED-HIGH	88%
3	HIGH	100%

### To set GRILL Cooking

- Set the POWER SELECTOR to the  (grill) position.

### To set COMBI Cooking

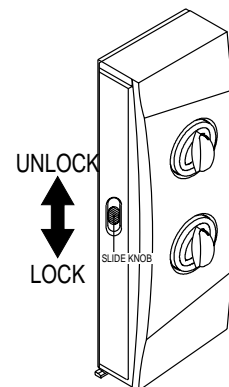
- Set the POWER SELECTOR to the  (combi) position.

5. Set the time control by turning the timer knob and then microwave cooking starts.
  - If turning the timer knob for less than 2 minutes, turn it past 2 minutes and then back to the desired time.
  - During the same time, the rotating angle of the timer knob of the period from 35 to 10 minute is smaller than that of the period from 10 to 0 minute owing to the dual speed of the timer motor.

6. Microwave energy will be turned off automatically when the timer reaches "OFF". Then food can be taken out of the oven.
  - To prevent the oven from operating with the door open, your microwave oven is fitted with safety door interlock switches.
  - If you wish to inspect the food while it is cooking simply open the door. The oven will automatically stop cooking. To continue cooking, you simply close the door.
  - If you wish to stop cooking, simply turn the timer knob to the "OFF" position. Cooking can be reset at any time during the cooking cycle by turning the timer control.
  - Do not let the timer continue to operate after removing or when there is no food.

7. The safety lock prevents unwanted oven operation such as by small children. To set, pull down the side knob like the figure. To cancel, lift up the slide knob.

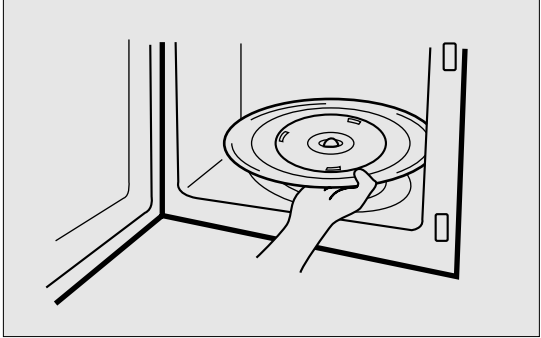
**(KOG-3C675S ONLY)**



8. **NOTE** : When using the GRILL or COMBI mode;

- Do not open the door so often, the temperature inside the oven decrease and the cooking may not be completed in setting time.
- Never touch the oven window and metal interior of the oven when taking food in and out, because the temperature inside the oven and door is very high.
- When using these modes, be careful as the tray will be hot to touch, use oven gloves or pot holders while handling tray.

## CARE OF YOUR MICROWAVE OVEN

- 1 Turn the oven off before cleaning.
- 2 Keep the inside of the oven clean. When food spatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. The use of harsh detergent or abrasives is not recommended.
- 3 The outside oven surface should be cleaned with soap and water, rinsed and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
- 4 If the Control Panel becomes wet, clean with a soft, dry cloth. Do not use harsh detergents or abrasives on Control Panel.
- 5 If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates malfunction of the unit.
- 6 It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in a dishwasher.
- 7 

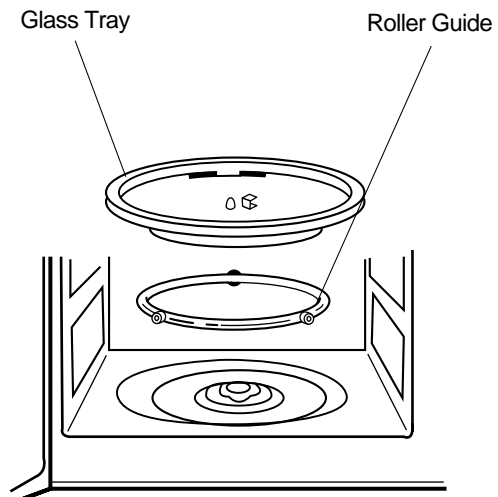
The roller guide and oven cavity floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent water or window cleaner and dry. The roller guide may be washed in mild sudsy water.

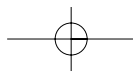
### ROLLER GUIDE

- 1 The ROLLER GUIDE and oven floor should be cleaned frequently to prevent excessive noise.
- 2 The ROLLER GUIDE MUST ALWAYS be used for cooking together with the Glass Tray.

### GLASS TRAY

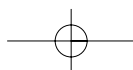
- 1 DO NOT operate the oven without the Glass Tray in place.
- 2 DO NOT use any other Glass Tray with this oven.
- 3 If Glass Tray is hot, ALLOW TO COOL before cleaning or placing it in water.
- 4 DO NOT cook directly on the Glass Tray.



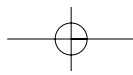


## QUESTIONS AND ANSWERS

- \* **Q** : Why do eggs sometimes pop?  
\* **A** : When baking or poaching eggs, the yolk may pop due to steam build-up inside the yolk membrane. To prevent this, simply pierce the yolk with a toothpick before cooking. Never cook eggs without piercing their shells.
- \* **Q** : Why this standing time recommended after the cooking operation has been completed?  
\* **A** : Standing time is very important.  
With microwave cooking, the heat is in the food, not in the oven. Many foods build up enough internal heat to allow the cooking process to continue, even after the food is removed from the oven. Standing time for joints of meat, large vegetables and cakes is to allow the inside to cook completely, without overcooking the outside.
- \* **Q** : Will the microwave oven be damaged if it operates while empty?  
\* **A** : Yes. Never run it empty.
- \* **Q** : Why does my oven not always cook as fast as the microwave cooking guide says?  
\* **A** : Check your cooking guide again, to make sure you've followed directions exactly ; and to see what might cause variations in cooking time. Cooking guide times and heat settings are suggestions, to help prevent over-cooking... the most common problem in getting used to a microwave oven.  
Variations in the size, shape and weights and dimensions could require longer cooking time. Use your own judgement along with the cooking guide suggestions to check whether the food has been properly cooked just as you would do with a conventional cooker.
- \* **Q** : Can I operate my microwave oven without the turntable or turn the turntable over to hold a large dish?  
\* **A** : No. If you remove or turn over the turntable, you will get poor cooking results. Dishes used in your oven must fit on the turntable.
- \* **Q** : Is it normal for the turntable to turn in either direction?  
\* **A** : Yes. The turntable rotates clockwise or counterclockwise, depending on the rotation of the motor when the cooking cycle begins.
- \* **Q** : Can I pop popcorn in my microwave oven? How do I get the best results?  
\* **A** : Yes. Pop packaged microwave popcorn following manufacture'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. Do not pop popcorn in glass cookware.
- \* **Q** : I accidentally ran my microwave oven without any food in it. Is it damaged?  
\* **A** : Running the oven empty for a short time will not damage the oven. However, it is not recommended.
- \* **Q** : Can the oven be used with the glass tray or roller guide removed?  
\* **A** : No. Both the glass tray and roller guide must always be used in the oven before cooking.
- \* **Q** : Can I open the door when the oven is operating?  
\* **A** : The door can be opened anytime during the cooking operation. Then microwave energy will be instantly switched off and the time setting will maintain until the door is closed.
- \* **Q** : Why do I have moisture in my microwave oven after cooking?  
\* **A** : The moisture on the side of your microwave oven is normal. It is caused by steam from cooking food hitting the cool oven surface.
- \* **Q** : Dose microwave energy pass through the viewing screen in the door?  
\* **A** : No. The metal screen bounces back the energy to the oven cavity. The holes are made to allow light to pass through. They do not let microwave energy pass through.







## BEFORE YOU CALL FOR SERVICE

Refer to following checklist, you may prevent an unnecessary service call.

### ■ The oven doesn't work :

1. Check that the power cord is securely plugged in.
2. Check that the door is firmly closed.
3. Check that the cooking time is set.
4. Check for a blown circuit fuse or tripped main circuit breaker in your house.

### ■ Sparking in the cavity;

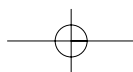
1. Check utensils. Metal containers or dishes with metal trim should not be used.
2. Check that metal skewers or foil does not touch the interior walls.

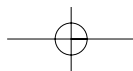
If there is still a problem, contact the service station.  
A list of these stations is included in the oven.

## CARE AND CLEANING

Although your oven is provided with safety features, it is important to observe the following:

1. It is important not to defeat or tamper with safety interlocks.
2. Do not place any object between the oven front face and the door or allow residue to accumulate on sealing surfaces. Wipe the sealing area frequently with a mild detergent, rinse and dry. Never use abrasive powders or pads.
3. When opened, the door must not be subjected to strain, for example, a child hanging on an opened door or any load could cause the oven to fall forward to cause injury and also damage to the door. Do not operate the oven if it is damaged, until it has been repaired by a trained service technician. It is particularly important that the oven closes properly and that there is no damage to the:
  - i) Door(bent)
  - ii) Hinges and Hooks(broken or loosened)
  - iii) Door seals and sealing surfaces.
4. The oven should not be adjusted or repaired by anyone except a properly trained service technician.





## SPECIFICATIONS

POWER SUPPLY		230V/50Hz, SINGLE PHASE WITH EARTHING
POWER CONSUMPTION	MICROWAVE	1200 W
	GRILL	1050 W
	COMBINATION	2200 W
MICROWAVE ENERGY OUTPUT		800W
MICROWAVE FREQUENCY		2450MHz
OUTSIDE DIMENSIONS (WXHxD)		465 x 279 x 384mm
CAVITY DIMENSIONS (WXHxD)		290 x 220 x 306mm
NET WEIGHT		APPROX. 13.4Kg
TIMER		35 min. DUAL SPEED
POWER SELECTIONS		7 LEVELS
CAVITY VOLUME		0.7 Cu.Ft.

\* Specifications are subject to change without notice.

## IMPORTANT

The wires in this mains lead are coloured in accordance with the following code.

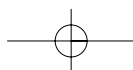
Green-and-yellow : Earth  
 Blue : Neutral  
 Brown : Live

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 coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter 'E' or by the earth symbol or green-and-yellow. The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red.

**WARNING:** This appliance must be earthed.



# COOKING INSTRUCTIONS

Utensils should be checked to ensure that they are suitable for use in microwave ovens.

## UTENSILS TEST

Place the utensil in question next to a glass measure filled with water, in the microwave oven. Microwave at high power for 1-2 minutes. If the water heats up, but the utensil remains cool, the utensil is microwave-safe. However if the utensil becomes warm, microwaves are being absorbed by the utensil and it should not be 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. Read through the following checklist.

## COOKING UTENSILS

Before use, the user should check that utensils are suitable for use in microwave ovens.

Material	Grill cooking	Microwave cooking	Combined cooking
Glass (general)	No	Yes (1)	No
Glass (heat resistant)	Yes	Yes	Yes
Glass-ceramic and ceramic (heat resistant)	Yes	Yes (1)	Yes (1)
Earthenware	Yes	Yes	Yes
China (heat resistant)	Yes	Yes	Yes
Plastic (general)	No	Yes (2)	No
Plastic (heat resistant)	Yes (2)	Yes (2)	Yes (2)
Aluminium foil containers /aluminium foil	Yes	Yes (3)	Yes
Metal baking tins	Yes (4)	No	Yes (4)
Metal (pots.pans, etc)	Yes	No	No
Paper	No	Yes (5)	No

1. Without metal parts or metal trims.
2. Some plastics are heat-proof only to certain temperatures. Check carefully!
3. It is possible to use aluminium foil to shield delicate areas of food (this prevents over-cooking).
4. Metal tins can be used in the combination methods, however if these are very deep, they will greatly reduce the efficiency, as metal shields the microwave energy from the food.
5. Use for short term heating and covering ; they absorb excess moisture when warming food. Pay special attention as over-heating may cause a fire in your oven. Do not use re-cycled paper products, e.g. kitchen roll unless they say they are specifically designed for use in a microwave oven. These products contain impurities which may cause sparks and/or fires when use.

### Microwave function only

Utensils and cooking containers used in a microwave oven should be of a material that does not act as a barrier to microwave energy. Generally this means that you should cook in either (paper), plastic, glass or ceramic. Metal pans reflect microwave energy and inhibit cooking,

and should not be used. In addition to material, the shape of the container should also be considered. Round oval shapes give the most even cooking. Square or rectangular containers may over-cook foods in the corners because more energy is absorbed there. Shallow containers give more even cooking results. Utensils made of china and ceramic excellent to use in your microwave oven. Most types of glass are also very good. Lead crystal glass can crack and should therefore, not be used. Plastics and paper can also be used, provided they can withstand the temperature of the heated food. For cooking only use plastics, which will withstand a temperature of over 120°C, e.g. polypropene and polyamide. Some plastic materials, e.g. melamine, will be heated by the microwave, and be damaged. To find out if a certain container is suitable, the following simple test can be made:

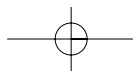
Place the empty container and a glass of water inside the microwave oven. The water is needed because the oven must not be operated empty or with empty containers only. Let the oven work on full power for one minute. A suitable container will only be lukewarm.

Metal containers, e.g. saucepans or frying pans should not be used in microwave ovens. Nor should plates or vessels with decorations be used since metal e.g. gold, might be part of the decoration and such decorations will be damaged. Small pieces of aluminium foil can be used, but only to shield the areas that would over-cook (e.g. for covering chicken wings, leg tips and fish tails) but the foil must not touch the side of the oven as damage may occur.



### Caution:

- There are a number of accessories available on the market. Before you buy, make sure they are suitable for microwave use.
- When you put food in the microwave oven, make sure that food, food supports or covering do not come in direct contact with any of the internal walls or the ceiling of the cavity since discolouration may take place.



# USE YOUR MICROWAVE OVEN SAFELY

## General Use

Do not attempt to defeat or tamper with safety interlocks.

Do not place any object between the oven front frame and the door or allow residue to build up on sealing surfaces.

Wipe with a mild detergent, rinse and dry. Never use abrasive powders or pads.

Do not subject the oven door to strain or weight such as a child hanging on an open door.

This could cause the oven to fall forward resulting in injury to you and damage to the oven.

Do not operate the oven if door seals or sealing surfaces are damaged; or if door is bent; or if hinges are loose or broken.

Do not operate the oven empty. This will damage the oven.

Do not attempt to dry clothes, newspapers or other materials in the oven. They may catch on fire.

Do not use recycled paper products as they may contain impurities which may cause sparks or fires.

Do not hit or strike the control panel with hard objects. This can damage the oven.

## Food

Never use your microwave oven for home canning. The oven is not designed for proper home canning. Improperly canned food may spoil and be dangerous to consume.

Always use the minimum recipe cooking time. It is better to undercook rather than overcook foods.

Undercooked foods can be returned to the oven for more cooking. If food is overcooked, nothing can be done.

Heat small quantities of food or foods with low moisture carefully. These can quickly dry out, burn or catch on fire.

Do not heat eggs in the shell. Pressure may build up and eggs can explode.

Potatoes, apples, egg yolks and sausages are examples of food with non-porous skins.

These must be pierced before cooking to prevent bursting.

Do not attempt to deep fat fry in your microwave oven.

Always stir liquids before heating. Heated liquids can erupt, if not mixed with air.

Do not leave the oven unattended while popping corn.

Do not pop corn in a paper bag unless it is the commercially prepared Microwave Popcorn product. The kernels can overheat and ignite a brown paper bag.

Do not put packaged Microwave Popcorn bags directly on the oven tray. Place the package on a microwave safe glass or ceramic plate to avoid overheating and cracking the oven tray.

Do not exceed the Microwave Popcorn manufacturers suggested popping time.

Longer popping does not yield more popcorn but it can result in scorch, burn of fire. Remember, the Popcorn bag and tray can be too hot to handle. Remove with caution and use pot holders.

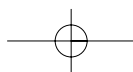
# ARCING

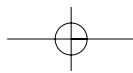
*If you see arcing, turn the timer knob the point "OFF" and correct the problem.*

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.

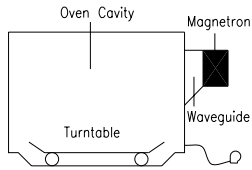




# MICROWAVING PRINCIPLES

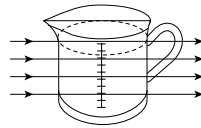
Microwave energy has been used in this country to cook and reheat food since early experiments with RADAR in World War II. Microwaves are present in the atmosphere all the time, both naturally and manmade sources. Manmade sources include radar, radio, television, telecommunication links and car phones.

## HOW MICROWAVES COOK FOOD



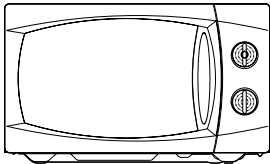
In a microwave oven, electricity is converted into microwave by the **MAGNETRON**.

### ► TRANSMISSION



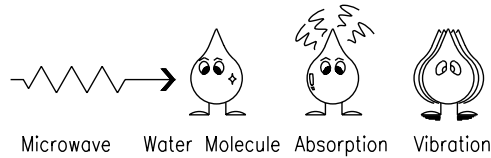
Then they pass through the cooking containers to be absorbed by the water molecules in the food, all foods contain water to a more or lesser extent.

### ► REFLECTION



The microwaves bounce off the metal walls and the metal door screen.

### ► ABSORPTION

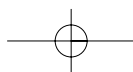


The microwaves cause the water molecules to vibrate which causes **FRICTION**, i.e. **HEAT**. This heat then cooks the food. Microwaves are also attracted to fat and sugar particles, and foods high in these will cook more quickly. Microwaves can only penetrate to a depth of 1 1/2 - 2 inches(4-5cm) and as heat spreads through the food by conduction, just as in a traditional oven, the food cooks from the outside inwards.

## CONVERSION CHARTS

WEIGHT MEASURES		VOLUME MEASURES		SPOON MEASURES	
15 g	1/2 oz.	30 ml	1 fl.oz.	1.25 ml	1/4 tsp
25 g	1 oz.	100 ml	3 fl.oz.	2.5 ml	1/2 tsp
50 g	2 oz.	150 ml	5 fl.oz. (1/4 pt)	5 ml	1 tsp
100 g	4 oz.	300 ml	10 fl.oz. (1/2 pt)	15 ml	1 tbsp
175 g	6 oz.	600 ml	20 fl.oz. (1pt)		
225 g	8 oz.				
450 g	1 lb.				

FLUID MEASUREMENTS		
1 Cup	= 8 fl.oz.	= 240 ml
1 Pint	= 16 fl.oz. (UK 20 fl.oz.)	= 480 ml (UK 560 ml)
1 Quart	= 32 fl.oz. (UK 40 fl.oz.)	= 960 ml (UK 1120 ml)
1 Gallon	= 128 fl.oz. (UK 160 fl.oz.)	= 3840 ml (UK 4500 ml)



# COOKING TECHNIQUES

## STANDING TIME

Dense foods e.g. meat, jacket potatoes and cakes, require standing time(inside or outside of the oven) after cooking, to allow heat to finish conducting to cook the center completely. Wrap meat joints and jacket potatoes in aluminium foil while standing. Meat joints need approx. 10-15 minutes, jacket potatoes 5 minutes. Other foods such as plated meal, vegetables, fish etc require 2-5 minutes standing. After defrosting food, standing time should also be allowed. If food is not cooked after standing time, return to the oven and cook for additional time.

## MOISTURE CONTENT

Many fresh foods e.g. vegetables and fruit, vary in their moisture content throughout the season, particularly jacket potatoes. For this reason cooking times may have to be adjusted. Dry ingredients e.g. rice, pasta, can dry out during storage so cooking times may differ.

## DENSITY

Porous airy foods heat more quickly than dense heavy foods.

## CLING FILM

Cling film helps keep the food moist and the trapped steam assists in speeding up cooking times. Pierce before cooking to allow excess steam to escape. Always take care when removing cling film from a dish as the build-up of steam will be very hot.

## SHAPE

Even shapes cook evenly. Food cooks better by microwave when in a round container rather than square.

## SPACING

Foods cook more quickly and evenly if spaced apart. NEVER pile foods on top of each other.

## STARTING TEMPERATURE

The colder the food, the longer it takes to heat up. Food from a fridge takes longer to reheat than food at room temperature.

## LIQUIDS

All liquids must be stirred before and during heating. Water especially must be stirred before and during heating, to avoid eruption. Do not heat liquids that have previously been boiled. DO NOT OVERHEAT.

## TURNING & STIRRING

Some foods require stirring during cooking. Meat and poultry should be turned after half the cooking time.

## ARRANGING

Individual foods e.g. chicken portions or chops, should be placed on a dish so that the thicker parts are towards the outside.

## QUANTITY

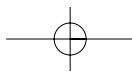
Small quantities cook faster than large quantities, also small meals will reheat more quickly than large portions.

## PIERCING

The skin or membrane on some foods will cause steam to build up during cooking. These foods must be pierced or a strip of skin should be peeled off before cooking to allow the steam to escape. Eggs, potatoes, apples, sausages etc, will all need to be pierced before cooking. DO NOT ATTEMPT TO BOIL EGGS IN THEIR SHELLS.

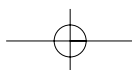
## COVERING

Cover foods with microwave cling film or a lid. Cover fish, vegetables, casseroles, soups. Do not cover cakes, sauces, jacket potatoes or pastry items.



## DEFROSTING GUIDE

- Do not defrost covered meat. Covering might allow cooking to take place. Always remove outer wrap and tray. Use only containers that are microwave-safe.
  - Begin defrosting whole poultry breast-side- down. Begin defrosting roasts fat-side-down.
  - The shape of the package alters the defrosting time. Shallow rectangular shapes defrost more quickly than a deep block.
  - After 1/3 of the defrost time has elapsed, check the food. You may wish to turn over, break apart, rearrange or remove thawed portions of the food.
  - During defrost, the oven will prompt you to turn the over. At this point, open oven door and check the food. Follow the techniques listed below for optimum defrost results.  
Then, close oven door.
  - When defrosted, food should be cool, but softened in all areas. If still slightly icy, return to microwave oven very briefly, or let stand a few minutes. After defrosting, allow food to stand 5-60 minutes if there are any icy areas. Poultry and fish may be placed under running cool water until defrosted
- ⇒ **Turn over** : Roast, ribs, whole poultry, turkey breasts, hot dogs, sausages, steaks, or chops.
- ⇒ **Rearrange** : Break apart or separate steaks, chops, hamburger patties, ground meat, chicken or seafood pieces, chunks of meat such as stew beef.
- ⇒ **Shield** : Use small strips of aluminum foil to protect thin areas or edges of unevenly shaped foods such as chicken wings. To prevent arching, do not allow foil to come within 1-inch of oven walls or door.
- ⇒ **Remove** : To prevent cooking, thawed portions should be removed from the oven at this point. This may shorten defrost time for food weighing less than 3 lbs.(1350g).



# DEFROSTING CHART

Item and Weight	Defrosting Time	Standing Time	Special Techniques
<b>BEEF</b> Minced beef 1 lb./454g	10-12 min.	15-20 min.	Break apart and remove thawed portions with fork.
Stew Meat 1 1/2 lbs./675g	9-11 min.	25-30 min.	Separate and rearrange once.
Loin Roast 2 lbs./900g	15-18 min.	45-60 min.	Turn over after half the time. Shield as needed.
Patties 4 (4 oz./110g)	7-8 min.	15-20 min.	Turn over after half the time.
<b>PORK</b> Loin Roast 2 lbs./900g	15-16 min.	45-60 min.	Turn over after half the time. Shield as needed.
Spareibs 1 lb. 450g	6-7 min.	25-30 min.	Separate and rearrange once.
Chops 4 (5 oz./125g)	7-8 min.	25-30 min.	Separate and turn over once.
Minced 1lb./450g	9-10 min.	15-20 min.	Break apart and remove thawed portions with fork.
<b>POULTRY</b> Whole Chicken 2 1/2 lbs./1125g	20-22 min.	45-90 min.	Break side down. Turn over after half the time. Shield as needed.
Chicken Breasts 1lb./450g	9-10 min.	15-30 min.	Separate and rearrange once.
Fryer Chicken(cut up) 2lbs./900g	12-14 min.	25-30 min.	Separate and rearrange once.
Chicken Thighs 1 1/2 lbs./675g	12-14 min.	15-30 min.	Separate and rearrange once.
<b>FISH &amp; SEAFOOD</b> Whole Fish 1lb./450g	6-7 min.	15-20 min.	Turn over after half the time. Shield as needed.
Fish Fillets 1 1/2 lb./675g	7-8 min.	15-20 min.	Separate and turn over once.
Shrimp 1/2 lb./225g	3-4 min.	10-15 min.	Separate and rearrange once.

\* The times are approximate because freezer temperatures vary.



# COOKING & REHEATING CHART

Item	Power Level	Cooking Time Per lb./450g		
<b>MEAT</b>				
<b>Beef</b>				
Standing / rolled Rib - Rare	Medium High	9-11 min.		
- Medium	Medium High	10-12 min.		
- well done	Medium High	12-14 min.		
Ground Beef (to brown for casserole)	High	5-7 min.		
Hamburgers, Fresh or defrosted (4oz. Each/100g) 2 patties	High	3-5 min.		
4 patties	High	4-6 min.		
<b>Pork</b>				
Loin, Leg	Medium High	13-16 min.		
Bacon 4 slices	High	2-3 min.		
6 slices	High	3-4 min.		
<b>NOTE:</b> The above times should be regarded only as a guide, Allow for difference in individual lasts and preferences. The times may vary due to the shape, cut, and composition of the meat.				
<b>POULTRY</b>				
<b>Chicken</b>				
Whole	High	8-10 min.		
Breast(boned) portions	Medium High	6-8 min.		
	Medium High	7-9 min.		
<b>Turkey</b>				
Whole	High	10-12 min.		
<b>NOTE :</b> The above times should be regarded only as a guide. Allow for difference in individual tastes and preferences. The times may vary due to the shape, cut, and composition of the food.				
<b>FRESH FISH</b>				
Item	Power Level	Cooking Time Per lb./450g	Method	Standing Time
Fish Fillets	High	4-6 min.	Add 15-30 ml(1-2 Tbsp)	2-3 min.
Whole Mackerel, Cleaned and Prepared	High	4-6 min.	-	3-4 min.
Whole Trout, Cleaned and Prepared	High	5-7 min.	-	3-4 min.
Salmon Steaks	High	5-7 min.	Add 15-30 ml(1-2 Tbsp)	3-4 min.
ITEM	POWER LEVEL	Cooking Time	Standing Time	
Lasagna 1 serving(10 1/2 oz./300g)	High	5-7 min.	Place lasagna on microwaveable plate. Cover with plastic wrap and vent.	
Casserole 1 cup	High	1 1/2 -3 min.	Cook covered in microwaveable casserole.	
4 cups	High	5-7 min.	Stir once halfway through cooking.	
Mashed potatoes 1 cup	High	2-3 min.	Cook covered in microwaveable casserole.	
4 cups	High	6-8 min.	Stir once halfway through cooking.	
Baked beans 1 cup	High	2-3 min.	Cook covered in microwaveable casserole. Stir once halfway through cooking.	

ITEM	POWER LEVEL	Cooking Time	Standing Time
Ravioli or pasta in sauce 1 cup 4 cups	High High	3-4 min. 8-11 min.	Cook covered in microwaveable casserole. Stir once halfway through cooking.
Sandwich roll or bun 1 roll	High	20-30 sec.	Wrap in paper towel and place on glass microwaveable rack <b>* Note : Do not use recycled paper towels.</b>

## VEGETABLE CHART

\* Note : Use power level High unless otherwise noted.

VEGETABLES	AMOUNT	TIME	SPECIAL INSTRUCTIONS
<b>Asparagus</b>			
Fresh spears	1 lb./450g	5-8 min.	In medium casserole, place 1/4 cup water.
Frozen spears	10-oz./280g package	4-7 min.	In medium casserole.
<b>Beans</b>			
Fresh green	1 lb./450g cut in half	10-15 min.	In medium casserole, place 1/2 cup water.
Frozen green	10-oz./280g package	5-8 min.	In medium casserole, place 2 tbsp water.
Frozen lima	10-oz./280g package	4-7 min.	In medium casserole, place 1/4 cup. Water.
<b>Beets</b>			
Fresh, whole	1 bunch(1 1/4 -1 1/2 lbs.) /560-680g	16-22 min.	In medium casserole, place 1/2 cup water.
<b>Broccoli</b>			
Fresh cut	1 bunch(1 1/4 -1 1/2 lbs.) /560-680g	5-9 min.	In large casserole, place 1/2 cup water.
Fresh spears	1 bunch(1 1/4 -1 1/2 lbs.) /560-680g	7-11 min.	In large casserole, place 1/2 cup water.
Frozen, chopped	10-oz./280g package	4-7 min.	In medium casserole.
Frozen spears	10-oz./280g package	4-7 min.	In medium casserole, place 3 tbsp water.
<b>Cabbage</b>			
Fresh wedges	1 medium head (about 2 lbs./900g)	6-10 min.	In large casserole, place 1/4 cup water.
<b>Carrots</b>			
fresh, sliced	1 lb./450g	4-8 min.	In large casserole, place 1/2 cup water.
frozen	10-oz./280g package	4-7 min.	In medium casserole, place 2 tbsp water.
<b>Cauliflower</b>			
flowerets	1 medium head (about 2 lbs./900g)	7-11 min.	In large casserole, place 1/2 cup water.
fresh, whole	1 medium head (about 2 lbs./900g)	7-15 min.	In large casserole, place 1/2 cup water.
frozen	10-oz./280g package	3-7 min.	In medium casserole, place 2 tbsp water.
<b>Corn</b>			
frozen kernel	10-oz./280g package	2-6 min.	In medium casserole, place 2 tbsp water.
<b>Corn on the cob</b>			
fresh	1-5 ears	(per ear) 1 1/4 -4min.	In large glass baking dish, place corn. If corn is in husk, use no water; if corn has been husked, add 1/4 cup water. Rearrange after half of time.
frozen	1 ear 2-6 ears	3-6 min. 2-3 min.	Place in large oblong glass baking dish. Cover with vented plastic wrap. Rearrange after half of time.

VEGETABLES	AMOUNT	TIME	SPECIAL INSTRUCTIONS
<b>Mixed vegetable</b> frozen	10-oz./280g package	2-6 min.	In medium casserole, place 3 tbsp water.
<b>Peas</b> fresh, shelled frozen	2 lbs.(450g) unshelled 10-oz.(280g) package	7-10 min. 2-6 min.	In medium casserole, place 1/4 cup water. In medium casserole, place 2 tbsp water.
<b>Potatoes</b> fresh, cubed, white  fresh, whole, sweet or white	4 potatoes (6-8 oz. /160-220g each) 1 (6-8 oz./160-220g)	9-12 min. 2-4 min.	Peel and cut into 1-inch cubes. Place in large casserole with 1/2 cup water. Stir after half of time. Pierce with cooking fork. Place in the oven, 1-inch apart, in circular arrangement. Let stand 5 minutes.
<b>Spinach</b> fresh frozen, chopped, and leaf	10-16 oz./280-450g 10-oz./280g package	3-6 min. 3-6 min.	In large casserole, place washed spinach. In medium casserole, place 3 tbsp water.
<b>Squash</b> fresh, summer, and yellow winter, acorn, or butternut	1 lb./450g sliced.  1-2 squash (about 1 lb./450g each)	3-5 min. 5-9 min.	In large casserole, place 1/4 cup water. Cut in half and remove fibrous membranes. In large glass baking dish, place squash cut-side-down. Turn cut-side-up after 4 minutes.

## RECIPES

### TOMATO & ORANGE SOUP

1 oz.(25g) butter  
 1 medium onion, chopped  
 1 large carrot & 1 large potato, chopped  
 1<sup>3</sup>/<sub>4</sub>lb(800g) canned, chopped tomatoes  
 juice and grated rind of 1 small orange  
 1<sup>1</sup>/<sub>2</sub>pints(900ml) hot vegetable stock  
 salt and pepper to taste

1. Melt the in a large bowl at High for 1 minute.
2. Add the onion, carrot and potato and cook at High for 6 minutes. stir halfway through cooking.
3. Add the tomatoes, orange juice, orange rind and stock. Mix thoroughly. Season with salt and pepper to taste. Cover the bowl and cook at High for 18 minutes. stir 2-3 times during cooking, until the vegetables are tender.
4. Blend and serve immediately.

### FRENCH ONION SOUP

1 large onions, sliced  
 1 tbsp (15ml) corn oil  
 2 oz.(50g) plain flour  
 2 pints(1.2 liters) hot meat or vegetable stock  
 salt and pepper to taste  
 2 tbsp (30ml) parsley, chopped  
 4 thick slices French bread  
 2 oz.(50g) cheese, grated

1. Place the onion and oil a bowl, mix well and cook at High for 2 minutes.
2. Stir in the flour to make a paste and gradually add stock. Season and add the parsley.
3. Cover the bowl and cook at Medium High for 20 minutes.
4. Pour the soup into serving bowls, submerge bread and sprinkle generously with cheese.
5. Cook at Medium High for 2 minutes, until the cheese has melted.

### STIR FRIED VEGETABLES

1 tbsp(15ml) sunflower oil  
 2 tbsp (30ml) soy sauce  
 1 tbsp (15ml) sherry  
 1"(2.5cm) root ginger, peeled and finely grated  
 2 medium carrots, cut into fine strips  
 4 oz.(100g) button mushrooms, chopped  
 2 oz.(50g) beansprouts  
 4 oz.(100g) mange-tout  
 1 red pepper, seeded and thinly sliced  
 4 spring onions, chopped  
 4 oz.(100g) canned water chestnuts, sliced  
 1/4 head of chinese leaves, thinly sliced

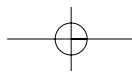
1. Place the oil, soy sauce, sherry, ginger, garlic and carrots in a large bowl, mix thoroughly
2. Cover and cook at High for 5-6 minutes, stirring once.
3. Add the button mushrooms, beansprouts, mange-tout, red pepper, spring onions, water chestnuts and chinese leaves. Mix thoroughly.
4. Cook at High for 6-7 minutes, until the vegetables are tender. Stir 2-3 times during cooking.

***Stir fried vegetables are ideally served with meat or fish.***

### HONEYED CHICKEN

4 boneless chicken breasts  
 2 tbsp(30ml) clear honey  
 1 tbsp(15ml) whole grain mustard  
 1/2 tsp(2.5ml) dried tarragon  
 1 tbsp(15ml) tomato puree  
 1/4 pint(150ml) chicken stock

1. Place the chicken breasts in a casserole dish.
2. Mix all remaining ingredients together and pour over the chicken. Salt and pepper to taste.
3. Cook at High for 13-14 minutes. Rearrange and coat the chicken with the sauce twice during cooking.



## BLUE CHEESE & CHIVE JACKETS

2 baking potatoes, (approx.9 oz.(250g) each)  
 2 oz.(50g) butter  
 4 oz.(100g) blue cheese, chopped  
 1 tbsp(15ml) fresh chives, chopped  
 2 oz.(50g) mushrooms, sliced  
 salt and pepper to taste

1. Prick each potato in several places. Cook at High for 12-13 minutes. Halve and scoop the flesh into a bowl, add the butter, cheese, chives, mushrooms, salt and pepper, mix thoroughly.
2. Pile mixture into the potato skins and place in a flan dish, on the rack.
3. Cook at Medium for 10 minutes.

## WHITE SAUCE

1 oz.(25g) butter  
 1 oz.(25g) plain flour  
 1/2 pint(300ml) milk  
 salt and pepper to taste

1. Place the butter in a bowl and cook at High for 1 minute, until melted.
2. Stir in the flour and whisk in the milk. Cook at High for 4-5 minutes, stirring every 2 minutes until thick and smooth. Season with salt and pepper to taste.

## STRAWBERRY JAM

1 1/2 lb.(675g) strawberries, hulled  
 3 tbsp(45ml) lemon juice  
 1 1/2 lb.(675g) caster sugar

1. Place strawberries and lemon juice in a very large bowl, heat at High for 5 minutes, or until the fruit has softened. Add sugar, mix well.
2. Cook at Medium High for 30-35 minutes, until setting point\*is reached, stir every 4-5 minutes.
3. Pour into hot, clean jars. Cover, seal and label.

*\* setting point : To determine setting point, place 1 tsp(5ml)jam onto chilled saucer. Allow to stand for 1 minute. Move surface of jam gently with your finger, if the surface wrinkles setting point has been reached.*

## PLAIN MICROWAVE CAKE

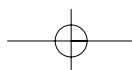
4 oz.(100g) margarine  
 4 oz.(100g) sugar  
 1 eggs  
 4 oz.(100g) self raising flour, sifted  
 2-3 tbsp(30-45ml) milk

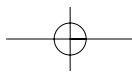
1. line the base of 8" (20.4cm) cake dish with grease-proof paper.
2. Cream the margarine and sugar together until light and fluffy. Beat in the eggs and fold in the sifted flour alternately with the milk.
3. Pour into prepared container. Cook at High for 4-5 minutes, until a skewer comes out cleanly.
4. Leave the cake to stand for 5 minutes before turning out.

## OMELETTES

1/2 oz.(15g) butter  
 4 eggs  
 6 tbsp(90ml) milk  
 salt & pepper

1. Whisk together eggs and milk. Season.
2. Place butter in 10"(26cm) flan dish. Cook at High for 1 minute, until melted. Coat the dish with the melted butter.
3. Pour omelette mixture into flan dish. Cook at High for 2 minutes. whisk mixture and cook again at High for 1 minutes.





## SCRAMBLED EGG

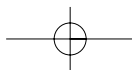
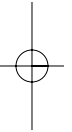
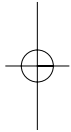
1/2 oz.(15g) butter  
2 eggs  
2 tbsp(30ml) milk  
salt & pepper

1. Melt the butter in a bowl at High for 1 minutes.
2. Add the eggs, milk and seasoning and mix well.
3. Cook at High for 3 minutes, stirring every 30 seconds.

## SAVORY MINCE

1 small onion, diced  
1 clove garlic, crushed  
1 tsp(5ml) oil  
7 oz.(200g) can chopped tomatoes  
1 tbsp(15ml) tomato puree  
1 tsp(5ml) mixed herbs  
8 oz.(225g) minced beef  
salt and pepper

1. Place onion, garlic and oil in casserole, and cook at High for 2 minutes or until soft.
2. Place all other ingredients in casserole. Stir well.
3. Cover and cook at High for 5 minutes then Medium for 10-15 minutes or until the meat is cooked.



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