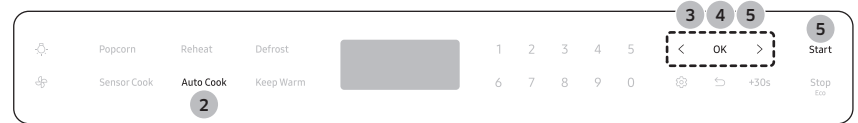


Category	Food	Amount	Instructions
Cook	Beverage	1 cup	Use a measuring cup or mug and do not cover. Place the beverage in the microwave oven. After heating, stir well. Let the oven cool for at least 5 minutes before using it again.
	Chicken Breasts	8 - 24 oz.	Pierce the chicken breasts 3 times with a knife. Place the chicken breasts on a microwave safe plate and cover with vented plastic wrap. Cook to an internal temperature of 165 °F. Let stand for 5 minutes.
	Frozen Breakfast	4 - 8 oz.	Follow the package instructions for covering and letting stand. Use this button for frozen sandwiches, breakfast entrees, pancakes, waffles, etc. Let the microwave oven cool for at least 5 minutes before using it again.
	Frozen Dinner	12 - 16 oz.	Remove the food from its wrapping and follow the instructions on the box for covering and letting stand. Let the microwave oven cool for at least 5 minutes before using it again.
Veggies	Fresh Vegetables	1 - 4 cups	Place the fresh vegetables in a microwave-safe ceramic, glass, or plastic dish and add 2 - 4 tbs. of water. Cover with a lid or vented plastic wrap. Stir before letting stand. Let the microwave oven cool for at least 5 minutes before using it again.
	Frozen Vegetables	1 - 4 servings	Place the frozen vegetables in a microwave-safe ceramic, glass, or plastic dish and add 2 - 4 tbs. of water. Cover with a lid or vented plastic wrap to cook. Stir before letting stand for 3 - 5 minutes. Let the microwave oven cool for at least 5 minutes before using it again.

Auto Cook

The Auto Cook button lets you cook favorite foods using preset power levels and times. If the food is not thoroughly cooked after using Auto Cook feature, complete the cooking process by cooking the food for an additional amount of time.



1. Put the food on the tray.
2. Touch the **Auto Cook** button.
3. Select the category and food item you want by touching **<**, **>** and **OK** button.
4. Select the amount of food by touching **<**, **>** button.
5. Touch **OK** or **Start** button to start cooking. The microwave oven will automatically operate by preprogrammed time.

NOTE

You can operate some of Auto Cook items by voice control also. Check **Voice control** on page 17 of this manual.

Category	Food	Amount	Instructions
Home Dessert	Walnut Pound Cake	1 serving	Ingredients Flour 120 g, Butter 150 g, Black sugar 100 g, Egg 2 pcs., Walnut (Chopped) 50 g, Baking powder 4 g
			1. Combine butter and black sugar in bowl. 2. Add egg and mix well. 3. Add a flour, baking powder and keep stirring. 4. Add a walnut and mix well. 5. Pour a mixture in greased glass or plastic bowl. 6. Put the bowl in the microwave oven and select the Walnut Pound Cake under Home Dessert. 7. After cooking, stand for 2 - 3 minutes.

Using your microwave oven

Category	Food	Amount	Instructions
Home Dessert	Banana Bread	1 serving (6 pcs.)	Ingredients Banana 3 pcs., Pancake mix 120 g, Milk 120 g, Egg 1 pc., Malt syrup 2 tbsp.
			1. Chop the banana. 2. Combine pancake mix, milk, egg, malt syrup in bowl. 3. Add banana and mix well. 4. Pour a mixture in 6 paper cups. 5. Put paper cups in the microwave oven and select the Banana Bread under Home Dessert. 6. After cooking, stand for 2 - 3 minutes.
	Sponge Cake	1 serving	Ingredients Flour 170 g, Butter 50 g, Sugar 150 g, Egg 3 pcs., Baking powder 10 g
			1. Combine butter and sugar in bowl. 2. Add egg and mix well. 3. Add a flour, baking powder and keep stirring. 4. Pour a mixture in greased glass or plastic bowl. 5. Put the bowl in the microwave oven and select the Sponge Cake under Home Dessert. 6. After cooking, stand for 2 - 3 minutes.
	Brownie	1 serving	Ingredients Flour 90 g, Butter(Melted) ½ cup, Sugar 230 g, Egg 2 pcs., Cocoa power 40 g
			1. Combine butter, beaten eggs, sugar in bowl. 2. Add a flour, cocoa powder and keep stirring. 3. Pour a mixture in greased glass or plastic bowl. 4. Put the bowl in the microwave oven and select the Brownie under Home Dessert. 5. After cooking, stand for 20 - 30 minutes.

Category	Food	Amount	Instructions
Home Dessert	Egg Pudding	1 serving (3 pcs.)	Ingredients Milk 250 g, Sugar 40 g, Egg 2 pcs.
			1. Crack the two eggs into a bowl. Lightly beat the egg with a balloon whisk. Don't let the tip of the whisk leave the bottom of the bowl to avoid creating too much foam. 2. Combine milk, sugar in other bowl. 3. Add the milk to the beaten egg while whisking the mixture. 4. Sieve the egg mixture with a fine mesh strainer. Scrape off the bottom of the strainer with a spatula. Remove any foam on the surface with a spoon. 5. Pour the mixture into custard cups. 6. Put the cups in the microwave oven and select the Egg Pudding under Home Dessert. 7. After cooking, refrigerate and serve.
	Chocolate Mug Cake	1 serving	Ingredients Butter 30 g, Sugar 60 g, Egg 1 pc., Heavy cream 40 g, Flour 25 g, Cocoa powder 15 g, Vanilla 1.5 g, Semi-sweet chocolate chips 50 g
			1. Combine the butter, egg and cream together in a mug until well combined. 2. Add the flour, sugar and keep stirring. 3. Add the cocoa, vanilla and stir until just combined. 4. Stir in the chocolate chips. 5. Put the mug in the microwave oven and select the Chocolate Mug Cake under Home Dessert. 6. After cooking, stand for 2 - 3 minutes.

Category	Food	Amount	Instructions
Home Dessert	Mug Cake	1 serving	Ingredients Butter 30 g, Sugar 60 g, Egg 1 pc., Flour 50 g, Milk 30 g, Vanilla 6 g, Almond powder 3 g, Baking powder 1.5 g
		1. Combine butter, egg, and milk together in a mug until well combined. 2. Add flour, sugar, baking powder, and keep stirring. 3. Add almond powder, vanilla, milk, and stir until just combined. 4. Put the mug in the microwave oven and select the Mug Cake under Home Dessert. 5. After cooking, stand for 2 - 3 minute	
	Caffe Latte	1 serving	Ingredients Instant coffee powder 2 g, Water 50 g, Milk 125 g
		1. Mix the coffee powder and water in mug. 2. Pour milk in other mug. 3. Put the coffee mixture in the microwave oven and select the Caffe Latte under Home Dessert. 4. When the beeps, take mug out. 5. Put the milk in the microwave oven and press the Start button. 6. After cooking, mix all well and serve.	
	Green Tea Latte	1 serving	Ingredients Green tea powder 6 g, Sugar 15 g, Milk 250 g
1. Mix all ingredients in mug. 2. Put the mug in the microwave oven and select the Green Tea Latte under Home Dessert. 3. After cooking, mix well and serve.			

Category	Food	Amount	Instructions
Home Dessert	Milk Tea	1 serving	Ingredients Black tea bag 2 pcs., Water 60 g, Milk 125 g
		1. Mix the black tea bag and water in mug. 2. Pour milk in other mug. 3. Put the tea mixture in the microwave oven and select the Milk Tea under Home Dessert. 4. When the beeps, take mug out. 5. Put the milk in the microwave oven and press the Start button. 6. After cooking, mix all well and serve.	
Fit Choice	Spinach	1 serving	Wash and clean the spinach. Place the spinach in a microwave safe bowl. Add 1 - 4 tablespoons of water (1 Tbsp per serving). Cover during cooking and stir afterwards.
		2 servings	
		3 servings	
		4 servings	
	Squash	1 - 2 lbs.	Slice the squash in half and remove the seeds. Place the squash cut side down in a microwave safe dish and cover with the plastic wrap. If needed, add a ¼ cup of water.
		2 - 3 lbs.	
	Brown Rice	1 serving	Place 0.5 cups brown rice + 1 cup water for 2 servings or 1 cup brown rice + 2 cups water for 4 servings in a microwave safe bowl. Stir well before and fluff with a fork afterwards. Let stand 5 minutes before serving.
		2 servings	
	Oatmeal	1 package	Follow the package directions for the recommended amount of water needed. Stir well before and afterwards.
		2 packages	
	Quinoa	1 serving	Follow the package directions for the recommended amount of water needed. When the microwave beeps, stir well, and then restart the microwave.
		2 servings	

Using your microwave oven

Category	Food	Amount	Instructions
Fit Choice	Bone-in Chicken Pieces	2 servings	Brush the chicken pieces with oil and seasonings. Arrange chicken pieces in dish with meatiest portions toward the outside edge of dish, and then cover with wax paper. Place the dish on the center of the turntable.
		4 servings	
	Fresh Fish Fillets	1 serving	Put the fillets (cod, pollack, etc.) in a dish, and then cover with plastic wrap. Place the dish on the center of the turntable.
		2 servings	
	Fresh Salmon Fillets	1 serving	Put the salmon fillets in a dish, and then cover with plastic wrap. Place the dish on the center of the turntable.
		2 servings	
	Fresh Prawns	2 servings	Put the prawns in a dish, and then cover with plastic wrap. Place the dish on the center of the turntable.
		4 servings	
Kids Meal	Chicken nuggets (frozen)	1 serving	Place a paper towel on a plate and arrange the nuggets in a spokelike fashion on the paper towel. Do not cover. Let stand for 1 minute after heating.
		2 servings	 NOTE Refer to the package directions for the serving size and the amount of food.
	French fries (frozen)	1 serving	Place two paper towels on a microwave-safe plate and arrange the French fries on the towels without letting them overlap. Blot the fries with additional paper towels after removing from the oven. Let stand for 1 minute.
		2 servings	 NOTE Refer to the directions on the packaging for the serving size and the amount of food.

Category	Food	Amount	Instructions
Kids Meal	Frozen sandwiches (in crisping sleeve) 9-oz package size	1 sandwich	Place the frozen sandwich in a susceptor crisping sleeve (which is in the package) and place on a microwave-safe plate. Remove from the crisping sleeve. Let stand for 2 minutes after heating.
		2 sandwiches	
	Hot dogs	2 hot dogs	Pierce the hot dogs and place them on a plate. When the oven beeps, add the buns and restart the oven. Let stand for 1 minute after heating.  NOTE For the best texture, the buns should be added to the hot dogs when the oven beeps.
		4 hot dogs	
Snacks	Cheese sticks (frozen)	5 - 6 pcs (1 Srv.)	Place the cheese sticks on a plate in a spoke-like fashion. Do not cover. Let stand for 1 to 2 minutes after heating.
		7 - 10 pcs (2 Srvs.)	
	Chicken Wings	5 - 6 oz. (2 Srvs.)	Use precooked, refrigerated chicken wings. Place the chicken wings around the plate in a spoke-like fashion and cover with wax paper. Let stand for 1 to 2 minutes.
		7 - 8 oz. (4 Srvs.)	
	Nachos	1 serving	Place the nachos on a plate without letting them overlap. Sprinkle cheese evenly over them. Contents: 2 cups tortilla chips ½ cup grated cheese
	Potato Skins	1 cooked potato	Cut the cooked potato into 4 even wedges. Scoop or cut out the potato flesh, leaving about a ¼ in. of skin. Place the skins in a spokelike fashion around the plate. Sprinkle with bacon, onions and cheese. Do not cover. Let stand 1 to 2 minutes.
		2 cooked potatoes	

Category	Food	Amount	Instructions
Soften/ Melt	Melt Butter	1 stick	Remove the wrapping and cut the butter in half vertically. Place the butter in a dish and cover with wax paper.
		2 sticks	Stir well after finishing and let stand for 1 - 2 minutes.
	Melt Chocolate	1 cup chips or 1 square	Place the chocolate chips or squares in a microwave-safe container. When the oven beeps, stir the chocolate and restart the oven. Stir and let stand for 1 minute.
	Soften Butter	1 stick (¼ lbs.)	Remove wrapping and cut butter in half vertically. Place butter in dish, cover with wax paper.
	Soften Cream Cheese	1 package (8 oz.)	Unwrap the cream cheese and place on a microwave-safe container. Cut in half vertically. Let stand for 2 minutes.

Keep Warm

You can keep cooked food warm in your microwave oven for up to 99 minutes and 99 seconds.



1. Touch the **Keep Warm** button.
2. Enter the warm hold time by touching the **numeric** buttons. If you don't set the time, your oven will maintain the Warm Hold function for 99 minutes and 99 seconds.
3. Touch the **Start** button.

NOTE

- **Keep Warm** operates for up to 99 minutes and 99 seconds.
- The Vent Fan protects the microwave from excess heat. It automatically turns on if it senses the overheating. If you have turned the fan on, you may find that you cannot turn it off. The fan will automatically turn off when the internal parts are cool."
- Food that is cooked covered should also be covered during **Keep Warm**.
- Pastry items (pies, turnovers, etc.) should be uncovered during **Keep Warm**.
- Complete meals kept warm on a dinner plate can be covered during **Keep Warm**.

Below are the amounts of food we recommend you apply the Keep Warm function to by Food Type.

Food Type	Recommended Quantity
Liquid	1 - 2 cups
Dry	5 - 10 oz.

Cookware guide

To cook food in your microwave oven, microwaves must be able to penetrate the food without being reflected or absorbed by the cookware holding the food. Consequently, it is important to choose cookware that both allows microwaves to penetrate food and is microwave-safe.

The following lists contain various types of cookware and indicate if and how the cookware should be used in a microwave oven.

Recommended cooking utensils

- **Glass and glass-ceramic bowls and dishes** – Use for heating or cooking.
- **Microwavable plastic wrap** – Use to cover. Leave a small opening for steam to escape and avoid placing it directly on the food.
- **Wax paper** – Use as a cover to prevent spattering.
- **Paper towels and napkins** – Use for short-term heating and covering. They absorb excess moisture and prevent spattering. Do not use recycled paper towels, which may contain metal and can catch fire.
- **Paper plates and cups** – Use for short-term heating at low temperatures. Do not use recycled paper, which may contain metal and can catch fire.
- **Thermometers** – Use only those labeled 'Microwave Safe' and follow all directions. Check the food in several places. Conventional thermometers may be used once the food has been removed from the oven.

Limited use items

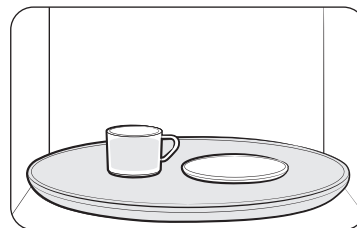
- **Aluminum foil** – Use narrow strips of foil to prevent overcooking of exposed areas. Using too much foil can damage your oven, so be careful.
- **Ceramic, porcelain, and stoneware** – Use these if they are labeled 'Microwave Safe'. If they are not labeled, test them to make sure they can be used safely. Never use dishes with metallic trim.
- **Plastic** – Use only if labeled 'Microwave Safe'. Other plastics can melt.
- **Straw, wicker, and wood** – Use only for short-term heating, as they are flammable.

Not recommended

- **Glass jars and bottles** – Regular glass is too thin to be used in a microwave and can shatter.
- **Paper bags** – These are a fire hazard, except for popcorn bags that are designed for microwave use.
- **Styrofoam plates and cups** – These can melt and leave an unhealthy residue on food.
- **Plastic storage and food containers** – Containers such as margarine tubs can melt in the microwave.

Testing utensils

If you are not sure whether a dish is microwave-safe or not, you can perform this test:



1. Fill a 1 cup glass measuring cup with water and put it inside your oven, next to the dish you want to test.
2. Set the microwave to 1 minute using the **numeric** buttons, and then press the **Start** button. This will heat the glass and dish for one minute at High power.

When the microwave stops, the water should be warm and the dish you are testing should be cool.

If the dish is warm, then it is absorbing microwave energy and is not acceptable for use in the microwave.

Cooking guide

Microwave energy actually penetrates food and is attracted to and absorbed by the water, fat, and sugar molecules in the food. The microwaves cause the molecules in the food to move rapidly. The rapid movement of these molecules creates friction and the resulting heat cooks the food.

Cooking techniques

Stirring

Stir foods such as casseroles and vegetables while cooking to distribute heat evenly. Food at the outside of the dish absorbs more energy and heats more quickly, so stir from the outside to the center. The oven will turn off when you open the door to stir your food.

Arrangement

Arrange unevenly shaped foods, such as chicken pieces or chops, with the thicker, meatier parts toward the outside of the turntable where they will receive more microwave energy. To prevent overcooking, place thin or delicate parts toward the center of the turntable.

Shielding

Shield food with narrow strips of aluminum foil to prevent overcooking. Areas that need shielding include poultry wing-tips, the ends of poultry legs, and the corners of square baking dishes. Use only small amounts of aluminum foil. Larger amounts can damage your oven.

Turning

Turn foods over midway through cooking to expose all parts to microwave energy. This is especially important with large items such as roasts.

Standing

Food cooked in the microwave builds up internal heat and continues to cook for a few minutes after the oven stops. Let food stand to complete cooking, especially food such as roasts and whole vegetables. Roasts need this time to complete cooking in the center without overcooking the outer areas. All liquids, such as soup or hot chocolate, should be shaken or stirred when cooking is complete. Let liquids stand a moment before serving. When heating baby food, stir well and test the temperature before serving.

Adding Moisture

Microwave energy is attracted to water molecules. Food that is uneven in moisture content should be covered or allowed to stand so that the heat disperses evenly. Add a small amount of water to dry food to help it cook.

Venting

After covering a dish with plastic wrap, vent the plastic wrap by turning back one corner so excess steam can escape.

Cooking guide

General cooking recommendations

- Dense foods, such as potatoes, take longer to heat than lighter foods. Food with a delicate texture should be heated at a low power level to prevent it from becoming tough.
- Altitude and the type of cookware you are using can affect cooking time. When trying a new recipe, use the minimum cooking time and check the food occasionally to prevent overcooking.
- Food with a non-porous skin such as potatoes or hot dogs should be pierced to prevent bursting.
- Frying with oil or fat is not recommended. Fat and oil can suddenly boil over and cause severe burns.
- Some ingredients heat faster than others. For example, the jelly inside a jelly doughnut will be hotter than the dough. Keep this in mind to avoid burns.
- Home canning in the microwave oven is not recommended because all harmful bacteria may not be destroyed by the microwave heating process.
- Although microwaves do not heat the cookware, the heat from the food is often transferred to the cookware. Always use pot holders when removing food from the microwave and instruct children to do the same.
- Making candy in the microwave is not recommended as candy can heat to very high temperatures. Keep this in mind to avoid injury.

Guide for cooking eggs in your microwave

- Never cook eggs in the shell and never warm hard-cooked eggs in the shell. They can explode.
- Always pierce whole eggs to keep them from bursting.
- Cook eggs just until set. They become tough if overcooked.

Guide for cooking vegetables in your microwave

- Vegetables should be washed just before cooking. Often, no extra water is needed. If you are cooking dense vegetables such as cubed potatoes, carrots, or green beans, add about $\frac{1}{4}$ cup water.
- Small vegetables (sliced carrots, peas, lima beans, etc.) will cook faster than larger ones.
- Whole vegetables, such as potatoes, acorn squash, or corn on the cob, should be arranged in a circle on the turntable before cooking. They will cook more evenly if turned over after half the cooking time.
- Always place vegetables like asparagus and broccoli with the stem ends pointing towards the edge of the dish and the tips toward the center.
- When cooking cut vegetables, always cover the dish with a lid or vented microwavable plastic wrap.
- Whole, unpeeled vegetables such as potatoes, squash, eggplant, etc., should have their skin pricked in several spots before cooking to prevent them from bursting.
- For more even cooking, stir or rearrange whole vegetables halfway through the cooking time.
- Generally, the denser the food, the longer the standing time. (Standing time refers to the time necessary for dense, large foods and vegetables to finish cooking after they come out of the oven.) A baked potato can stand on the counter for five minutes before cooking is completed, while a dish of peas can be served immediately.

Cleaning and maintaining your microwave oven

Keeping your microwave oven clean improves its performance, wards off unnecessary repairs, and lengthens its life.

Cleaning the exterior

It's best to clean spills on the outside of your microwave oven as they occur. Use a soft cloth and warm, soapy water. Rinse and dry.

CAUTION

Do not get water into the vents. Never use abrasive products or chemical solvents such as ammonia or alcohol as they can damage the appearance of your microwave.

WARNING

Unplug the microwave plug before cleaning.

Cleaning under your microwave oven

Regularly clean grease and dust from the bottom of your microwave using a solution of warm water and detergent.

Cleaning the control panel

Wipe with a damp cloth and dry thoroughly. Do not use cleaning sprays, large amounts of soap and water, abrasives, or sharp objects on the panel as it is easily damaged.

Cleaning the door and door seals

Always ensure that the door seals are clean and that the door closes properly. Take particular care when cleaning the door seals to ensure that no particles accumulate and prevent the door from closing correctly. Wash the glass door with very mild soap and water. Be sure to use a soft cloth to avoid scratching.

NOTE

If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when you operate the oven when humidity is high and in no way indicates microwave leakage.

Cleaning the interior

CAUTION

To avoid injury, ensure that the microwave oven has cooled down before cleaning it.

CAUTION

Remove the glass tray from the oven when cleaning the oven or tray. To prevent the tray from breaking, handle it with care and do not put it in water immediately after cooking. Wash the tray carefully in warm sudsy water or in the dishwasher.

Cleaning the turntable and roller rings

Clean the roller rings periodically and wash the turntable as required. The turntable can be washed safely in your dishwasher.

Cleaning and maintaining your microwave oven

Storing and repairing your microwave oven

If you need to store your microwave oven for a short or extended period of time, choose a dust-free, dry location. Dust and dampness may adversely affect the functionality of the microwave parts.

⚠ WARNING

Do not repair, replace, or service any part of your microwave oven yourself. Allow only a qualified service technician to perform repairs. If the oven is faulty and needs servicing, or you are in doubt about its condition, unplug the oven from the power outlet and contact your nearest service center.

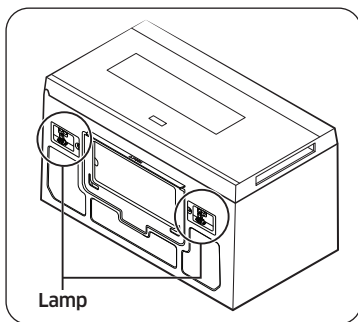
Do not use the oven if the microwave oven is damaged, in particular, if the door or door seals are damaged or the door does not close properly. This can be caused by a broken hinge, a worn out seal or distorted/bent casing.

Do not remove the oven from its casing.

This microwave oven is for home use only and is not intended for commercial use.

Replacing the cooktop/night light

When replacing the cooktop/night light, make sure that you are wearing gloves to avoid injury from the heat of the lamp.



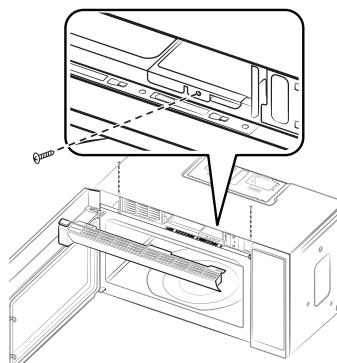
1. Unplug the oven or turn off the power at the main power supply.
2. Remove the screw from the light cover and lower the cover.
3. Disconnect the wire connectors.
4. Remove the screw securing the LED lamp board.
5. Replace the LED lamp board.

📄 NOTE

To purchase a new LED lamp board, visit an authorized Samsung service center or call 1-800-SAMSUNG (726-7864).

Replacing the oven light

When replacing the oven light, make sure that you are wearing gloves to avoid injury from the heat of the lamp.



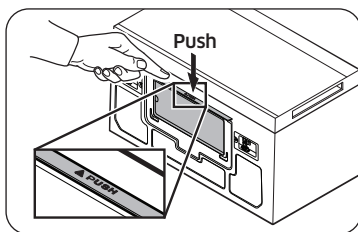
1. Unplug the oven or turn off the power at the main power supply.
2. Open the door.
3. Remove the vent cover mounting screws (2 middle screws).
4. Slide the vent grille to the left, then pull it straight out.
5. Remove the charcoal filter, if present.
6. Remove the screw securing the lamp cover.
7. Remove the lamp by pulling it out gently.
8. Replace the lamp with a 50 W halogen lamp.
9. Replace the lamp holder.
10. Replace the vent grille and re-insert the 2 screws.
11. Plug the oven in or turn on the power at the main power supply. Reset the clock.

Cleaning the grease filter

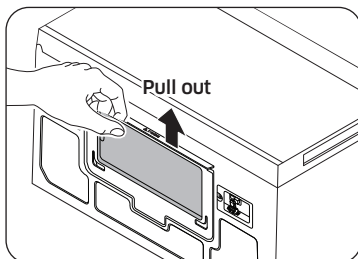
Your microwave oven has reusable grease filter. The grease filter should be removed and cleaned at least once a month or as required. To order a new grease filter, contact Samsung Parts at 1-800-627-4368 or your Samsung dealer. You can also order online at www.samsungparts.com.

⚠ WARNING

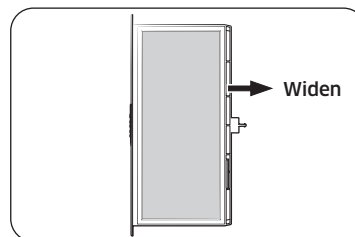
To avoid the risk of personal injury or property damage, do not operate the oven hood without the filter in place.



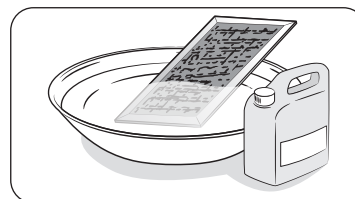
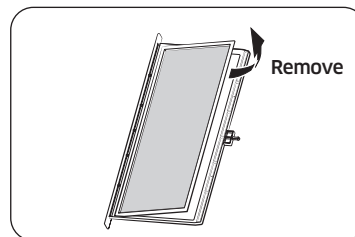
1. To remove the filter, push the front of the grease filter case where it says 'PUSH'.



2. Pull the filter case out of the microwave oven.

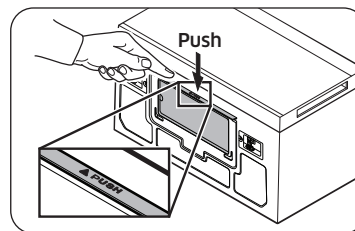


3. Remove the filter from the filter case by widening the case, as shown below. Then, soak the grease filter in hot water mixed with a mild detergent. Rinse well and shake to dry. If necessary, brush the filter lightly to remove embedded dirt. When the filter is dry, put it back in the filter case.



⚠ WARNING

Do not use ammonia or put the grease filter in the microwave oven to dry. The aluminum will darken.

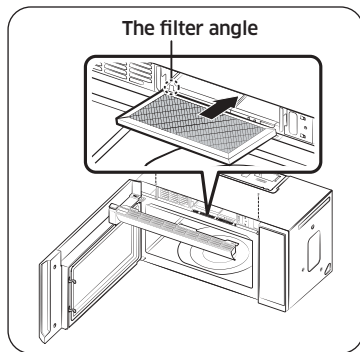
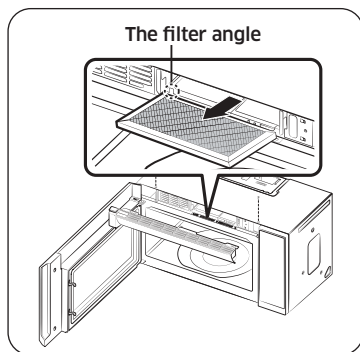


4. To re-insert the filter into the microwave oven, slide the filter case into the frame slot, and then push it inside.

Troubleshooting

Replacing the charcoal filter

If your oven is vented to the inside, the charcoal filter should be replaced every 6 to 12 months and more often if necessary. The charcoal filter cannot be cleaned. To order a new charcoal filter, contact the Samsung Parts at 1-800-627-4368 or your Samsung dealer. You can also order online at www.samsungparts.com



1. Unplug the oven or turn off the power at the main power supply.
2. Open the door.
3. Remove the vent grille mounting screws (2 middle screws).
4. Slide the vent grille to the left, then pull it straight out.
5. Push the hook and remove the old filter.
6. Slide a new charcoal filter into place. The filter should rest at the angle shown.
7. Replace the vent grille and 2 screws, and then close the door. Plug the oven in or turn on the power at the main power supply. Reset the clock.

Troubleshooting

Check points

If you encounter a problem with your oven, first check the tables starting below and try the recommendations. If a problem persists, or if an information code keeps appearing on the display, contact a local Samsung service center.

Problem	Cause	Action
General		
The buttons cannot be pressed properly.	Foreign matter may be caught between the buttons.	Remove the foreign matter and try again.
	For touch models: Moisture is on the exterior.	Wipe the moisture from the exterior.
	The Child Lock is activated.	Deactivate the Child Lock.
The time is not displayed.	Power is not supplied.	Make sure power is supplied. Confirm the microwave is plugged in. Check your fuses or circuit breakers.
	The Eco (power-saving) function is set.	Turn off the Eco function.
The oven does not work.	Power is not supplied.	Make sure power is supplied. Confirm the microwave is plugged in. Check your fuses or circuit breakers.
	The door is open.	Close the door and try again.
	The door open safety mechanisms are covered by foreign matter.	Remove the foreign matter and try again.

Problem	Cause	Action
The oven stops while in operation.	The user has opened the door to turn food over.	After turning over the food, press the Start button again to start operation.
The power turns off during operation.	The oven has been cooking for an extended period of time.	After the oven has cooked for an extended period of time, let the oven cool.
	The cooling fan is not working.	Listen for the sound of the cooling fan.
	Trying to operate the oven without food inside.	Put food in the oven.
	There is not enough ventilation space around the oven.	There are intake/exhaust outlets on the front and rear of the oven for ventilation. Check the installation guide and make sure that the microwave is far enough away from walls and cabinets for proper ventilation.
There is no power to the oven.	Several appliances or devices are plugged into the same outlet.	Unplug all other appliances or devices from the outlet.
	Power is not supplied.	Make sure power is supplied. Confirm the microwave is plugged in. Check your fuses or circuit breakers.

Problem	Cause	Action
There is a popping sound during operation, and the oven doesn't work.	Cooking food in a sealed container or using a container with a tight lid.	Do not cook food in sealed containers or in containers with tight lids. Expanding steam from the cooking food can cause the containers to burst or the lids to pop off.
The oven exterior gets too hot during operation.	There is not enough ventilation space around the oven.	There are intake/exhaust outlets on the front and rear of the oven for ventilation. Check the installation guide and make sure that the microwave is far enough away from walls and cabinets for proper ventilation.
	Objects are on top of the oven.	Remove all objects on the top of the oven.
The door cannot be opened properly.	Food residue is stuck between the door and oven interior.	Clean the oven the door.

Troubleshooting

Problem	Cause	Action
The oven does not heat.	The oven may not work if too much food is being cooked or improper cookware is being used.	To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1 - 2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.
Heating is weak or slow.	The oven may not work if too much food is being cooked or improper cookware is being used.	To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1 - 2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.

Problem	Cause	Action
The warm function does not work.	The oven may not work if too much food is being warmed or improper cookware is being used.	To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1 - 2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.
The thaw function does not work.	The oven may not work if too much food is being thawed or improper cookware is being used.	To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1 - 2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.

Problem	Cause	Action
The interior light is dim or does not turn on.	The door has been left open for a long time.	The interior light may automatically turn off when the Eco function operates. Close and reopen the door or press the Stop button.
	The interior light is covered by foreign matter.	Clean the inside of the oven and check again.
A beeping sound occurs during cooking.	If the Auto Cook function is being used, this beeping sound means it's time to turn over the food.	After turning over the food, press the Start button again to restart operation.
The oven is not level.	The oven is installed on an uneven surface.	Make sure the oven is installed on flat, stable surface.
There are sparks during cooking.	Metal containers are used during cooking or thawing.	Do not use metal containers.
When power is connected, the oven immediately starts to work.	The door is not properly closed.	Close the door and check again.
There is electricity coming from the oven.	The power source or power outlet is not properly grounded.	Make sure the power source and power outlet are properly grounded.
There is water dripping.	Water or steam may be generated by the cooking or defrosting process, depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.

Problem	Cause	Action
There is steam coming through a crack in the door.	Water or steam may be generated by the cooking or defrosting process, depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.
There is water left in the oven.	Water or steam may be generated by the cooking or defrosting process, depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.
The brightness inside the oven varies.	Changes in brightness reflect changes in power output. Power output changes depending on the functions in use.	Power output changes during cooking are not malfunctions.
Cooking is finished, but the cooling fan is still running.	To ventilate the oven, the cooling fan continues to run for about 3 minutes after cooking is complete.	This is not an oven malfunction.
Pressing the Start button operates the oven.	This happens when the oven is not operating.	The microwave oven is designed to start operating when you press the Start button if it was not operating.

Troubleshooting

Problem	Cause	Action
Turntable		
While turning, the turntable comes out of place or stops turning.	There is no roller ring, or the roller ring is not properly in place.	Install the roller ring properly and then try again.
The turn table drags while turning.	The roller ring is not properly in place, there is too much food, or the container is too large and touches the inside of the microwave.	Install the roller ring properly. Adjust the amount of food. Do not use containers that are too large.
The turn table rattles while turning and is noisy.	Food residue is stuck to the bottom of the oven.	Remove any food residue stuck to the bottom of the oven.

Information codes

If the microwave oven fails to operate, you may see an information code on the display. Check the table below for the code, and then follow the directions.

Code	Description	Action
C-10	The GAS sensor is open.	Unplug the power cord of the oven, and then contact a local Samsung service center.
	The GAS sensor is shorted.	
C-F0	The microwave has sensed an internal communications failure.	Unplug the power cord of the oven, and then contact a local Samsung service center.
C-F1	Only occurs when EEPROM Read or Write is not working.	Unplug the power cord of the oven, and contact a local SAMSUNG Customer Care Center.
C-F2	A touch button has malfunctioned.	Press Stop , and then try the button again.
C-d0	Control buttons are touched over 10 seconds.	Clean the keys and check if there is water on the surface around key. If it appears again, turn off the microwave oven, let it sit for more than 30 seconds, and then try setting again. If this code re-appears, call your local SAMSUNG Customer Care Center.

Appendix

Specifications

Model	ME21D*6700**AA	ME21D*6700**AC
Oven Cavity	2.1 cu ft	
Controls	10 power level, including Defrost	
Timer	99 minutes, 99 seconds	
Power Source	120 VAC, 60 Hz	
Power Consumption	1700 W Microwave	1500 W Microwave
Microwave Power Output	1000 W	950 W
Cook Top Light	LED lamp (2 EA)	
Oven Light	50 W halogen lamp	
Oven Cavity Dimensions (inches)	22 1/8" (W) x 10 13/16" (H) x 14 27/32" (D)	
Outside Dimensions (inches)	29 7/8" (W) x 17 1/16" (H) x 16 1/2" (D)	
Shipping Dimensions (inches)	33 11/32" (W) x 20 25/32" (H) x 19 3/8" (D)	
Net/Shipping Weight	60.6 lbs. / 67.2 lbs. (27.5 kg / 30.5 kg)	

Warranty (USA)

SAMSUNG MICROWAVE OVEN

LIMITED WARRANTY TO ORIGINAL PURCHASER WITH PROOF OF PURCHASE

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials or workmanship for the limited warranty period, starting on the date of delivery to the original consumer purchaser, of:

One (1) Year Parts and Labor Ten (10) Years Magnetron Part (Part Only)

This limited warranty is valid only on products purchased and used in the United States that have been installed, operated, and maintained according to the instructions attached to or furnished with the product. To receive warranty service, the purchaser must contact SAMSUNG at the address or phone number provided below for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale and/or proof of delivery must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center to receive warranty service.

SAMSUNG will provide in-home service within the contiguous United States during the warranty period at no charge, subject to availability of SAMSUNG authorized servicers within the customer's geographic area. If in-home service is not available, SAMSUNG may elect, at its option, to provide transportation of the product to and from an authorized service center. If the product is located in an area where service by a SAMSUNG authorized servicer is not available, you may be responsible for a trip charge or required to bring the product to a SAMSUNG authorized service center for service.

To receive in-home service, product must be unobstructed and accessible to the service agent.

Warranty (USA)

During the applicable warranty period, a product will be repaired, replaced, or the purchase price refunded, at the sole option of SAMSUNG. SAMSUNG may use new or reconditioned parts in repairing a product, or replace the product with a new or reconditioned product. Replacement parts and products are warranted for the remaining portion of the original product's warranty or ninety (90) days, whichever is longer. All replaced parts and products are the property of SAMSUNG and you must return them to SAMSUNG.

This limited warranty covers manufacturing defects in materials or workmanship encountered in normal household, noncommercial use of this product and shall not cover the following: damage that occurs in shipment, delivery, installation, and uses for which this product was not intended; damage caused by unauthorized modification or alteration of the product; product where the original factory serial numbers have been removed, defaced, changed in any way, or cannot be readily determined; cosmetic damage including scratches, dents, chips, and other damage to the product's finishes; damage caused by abuse, misuse, overheating due to overcooking, glass tray or turntable, pest infestations, accident, fire, floods, or other acts of nature or God; damage caused by use of equipment, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG; damage caused by incorrect electrical line current, voltage, fluctuations and surges; damage caused by failure to operate and maintain the product according to instructions; in-home instruction on how to use your product; service to correct installation not in accordance with electrical or plumbing codes or correction of household electrical or plumbing (i.e., house wiring, fuses, or water inlet hoses); and reduced magnetron power output related to normal aging.

The cost of repair or replacement under these excluded circumstances shall be the customer's responsibility.

Visits by an authorized servicer to explain product functions, maintenance or installation are not covered by this limited warranty. Please contact SAMSUNG at the number below for assistance with any of these issues.

Samsung will charge a repair fee for replacing an accessory or repairing cosmetic damage if the damage to the unit and/or damage to or loss of the accessory was caused by the customer. Items this covers include:

- Dented, scratched, or broken door, handle, out-panel, or control panel
- Broken or lost tray, guide roller, coupler, filter, or wire rack

Parts that SAMSUNG has determined can be replaced by the user may be sent to the customer for installation. In SAMSUNG's discretion, an authorized servicer can be dispatched to perform such installation.

EXCLUSION OF IMPLIED WARRANTIES

IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

LIMITATION OF REMEDIES

YOUR SOLE AND EXCLUSIVE REMEDY IS PRODUCT REPAIR, PRODUCT REPLACEMENT, OR REFUND OF THE PURCHASE PRICE AT SAMSUNG'S OPTION, AS PROVIDED IN THIS LIMITED WARRANTY. SAMSUNG SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO TIME WAY FROM WORK, HOTELS AND/OR RESTAURANT MEALS, REMODELING EXPENSES, LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

SAMSUNG does not warrant uninterrupted or error-free operation of the product. No warranty or guarantee given by any other person, firm, or corporation with respect to this product shall be binding on SAMSUNG.

To obtain warranty service, please contact SAMSUNG at:
Samsung Electronics America, Inc.
85 Challenger Road
Ridgefield Park, NJ 07660

1-800-SAMSUNG (726-7864) and www.samsung.com/us/support

Warranty (CANADA)

Samsung over-the-range (otr) microwave oven

Limited warranty to original purchaser

This SAMSUNG brand product, as supplied and distributed by Samsung Electronics Canada, Inc. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

ONE (1) YEAR PARTS AND LABOR, FIVE (5) YEARS PARTS WARRANTY FOR MAGNETRON

Samsung will charge a repair fee for replacing an accessory or repairing a cosmetic defect if the damage to the unit and/or damage to or loss of the accessory was caused by the customer. Items this stipulation covers include:

- A Dented, Scratched, or Broken Door, Handle, Out-Panel, or Control Panel
- A Broken or missing Tray, Guide Roller, Coupler, Filter, or Wire Rack

User Replaceable Parts may be sent to the customer for unit repair. If necessary, a Service Engineer can be dispatched to perform service.

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair this product or replace it if cannot repair it, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

In-home service will be provided during the warranty labor period subject to availability within the contiguous United States. In-home service is not available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; problems caused by pest infestations, and overheating or overcooking by user; glass tray or turntable; reduced magnetron power output related to normal aging. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

Warranty (CANADA)

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

1-800-SAMSUNG (726-7864) or www.samsung.com/ca/support (English)

www.samsung.com/ca_fr/support (French)

Memo

Memo



Scan this with your smartphone

Scan the QR code* or visit
www.samsung.com/spsn
 to view our helpful
 How-to Videos and Live Shows

* Requires reader to be installed on your
 smartphone

Please be advised that the Samsung warranty does NOT cover service calls to explain product operation, correct improper installation, or perform normal cleaning or maintenance.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
U.S.A Consumer Electronics	1-800-SAMSUNG (726-7864)	www.samsung.com/us/support
CANADA	1-800-SAMSUNG (726-7864)	www.samsung.com/ca/support (English) www.samsung.com/ca_fr/support (French)



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