

OVEN

Microwave oven is an appliance that cooks food by means of high-frequency electromagnetic waves called microwaves. A microwave oven is a relatively small, boxlike oven that raises the temperature of food by subjecting it to a high-frequency electromagnetic field. The microwaves are absorbed by water, fats, sugars, and certain other molecules, whose consequent vibrations produce heat. Microwave ovens generate radiation at a frequency of about 2,450 megahertz by means of a magnetron, which is a kind of electron tube.



EFFICIENT MAINTENANCE OF MICROWAVE OVEN:

1. **Check Your Element (Burners) Regularly**-If you see any debris on it, or a spot that glows a little bit brighter than the rest, you are going to want to replace it. It can spark and create a flame as it shorts out. Generally, it's a rather minor issue. However, it can result in heavy damage to the appliance. As soon as you notice this, stop using your oven and replace the burner/element.
2. **Inspect Your Door Gaskets**-This is the rubber piece that runs along the oven door that helps seal in the heat. Over time, this gasket can begin to deteriorate, allowing heat to seep through, and resulting in your oven not heating appropriately. Make a point to regularly inspect your oven's gasket and replace it if necessary so that your oven may operate efficiently.
3. **Keep It Clean**-one do not realize that food and liquid spatters can absorb energy, leading to burn spots and even causing damage to components of the microwave
4. **Inspect and Replace Your Gas Line**

5. **Clean Your Range Hood Filter**-If you have a range hood and fan above your stove, clean the filter at least once a year. Depending on the model, the filter should pop out easily by hand or with the help of a flat-head screwdriver.
6. **Choose Dishware Carefully**-Materials that are not microwave safe can cause fires or explosions, so for the sake of safety and the longevity of your microwave, you should only use microwave-safe dishware. You should never put the following items into a microwave:
 - Aluminum foil
 - Metal
 - Dishware with silver or gold accents
7. **Use microwaveable containers**. Non-microwaveable plastic containers can melt and even leave toxic particles in your food. Make sure you use containers that are specifically labeled as microwave-safe. These are often made of ceramic, glass, or tougher plastic.
8. When the microwave mode is on and there is no food inside the oven, the microwaves are absorbed by the walls and magnetron inside the oven. This can severely damage these parts and repairs can be costly. Always put food inside the microwave oven before you run it.

DIPOSE-

A microwave is a complex device that contains different recyclable materials. Recycling centers generally try to repair and sell or donate items that are worth repairing. In other cases, they may use your old microwave for parts or salvageable materials.



<https://greencitizen.com/microwave-recycling-how-to-dispose-of-your-microwave-oven/>

SOURCES-

- <https://onsitego.com/blog/prevent-smartphone-battery-exploding/>
- <https://thorkitchen.com/oven-maintenance-tips/>
- <https://www.compactappliance.com/avanti-electronic-control-microwave/MO7103.html>