

# MAGNETRON IDENTIFICATION



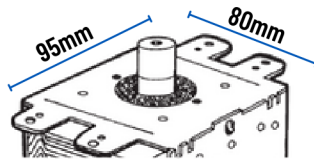
**WARNING:** Even partial disassembly of a microwave oven can expose a dangerous electric shock and radiation hazard. Service of microwave ovens should be performed only by qualified service personnel.

**CAUTION:** While components are engineered for a broad range of applications, it is the responsibility of the service technician to determine the suitability of a particular application by observing proper electrical and mechanical constraints. We shall not be held liable for any injury or damage arising from the misuse or misapplication of its products.

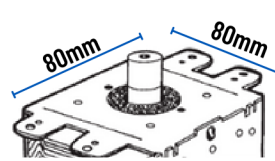


## MAGNETRON SIZE

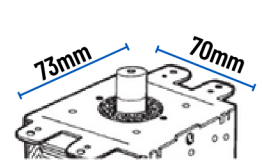
Present-day magnetrons come in three different sizes. In most cases, you cannot replace a smaller one with a larger one due to allotted space.



**STANDARD**



**COMPACT**



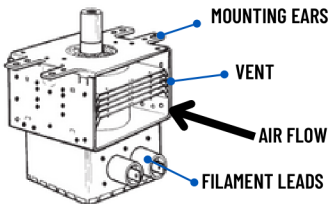
**SUBCOMPACT**

## MAGNETRON CONFIGURATION

Configuration is the relationship between the mounting ears, the vents (airflow) and the filament leads. Manufacturers have designated letter codes for various configurations. The following are the four most popular configurations:

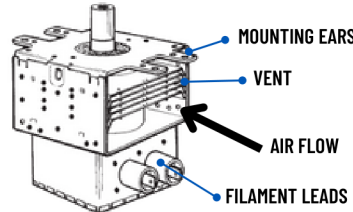
### E CONFIGURATION

Mounting ears opposite vents and filament leads



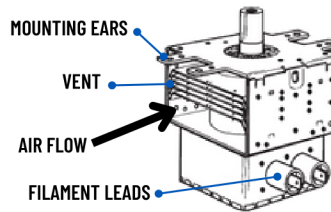
### H CONFIGURATION

Vents and mounting ears in line with filament leads



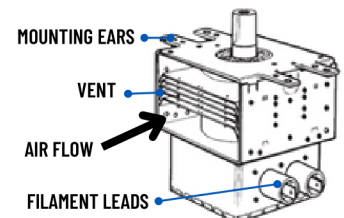
### J CONFIGURATION

Vent and mounting ears opposite filament leads



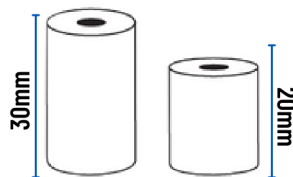
### K CONFIGURATION

Mounting ears and filament leads opposite vents



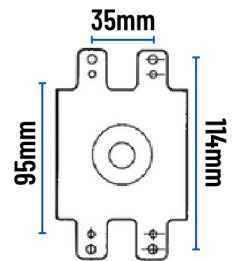
## MAGNETRON ANTENNA HEIGHT

Some manufacturers are enlarging the cavity size without increasing the overall size of the microwave. They do this by reducing the size of the waveguide and shortening the antenna height.



## MAGNETRON BRACKET

The most popular bracket is what we refer to as the standard bracket. It has two sets of mounting ears coming off of the opposite sides of the top plate of the magnetron with mounting holes spacing as shown. Some manufacturers are using other style mounting brackets which cannot be replaced with our universal type brackets.



## IMPORTANT NOTES

1. The shape of the antenna cover or the size of the hole in the cover does not affect the operation of the magnetron.
2. There are two standard ways manufacturers connect the filament leads.



Fig. 1 Both leads housed in one insulating block

Fig. 2 Each lead housed in its own insulating block



FIG. 1

FIG. 2

## CAUTION

When reinstalling a removed magnetron, for whatever reason, make certain woven metal RF gasket is properly seated at base of antenna.



**PLEASE NOTE:** This sheet is not meant to replace the advice of a trained service technician. When performing any repairs on an appliance, be sure to turn off power at the breaker and unplug the appliance. Failure to do so can cause injury, damage to the appliance, or even death. Always consult the manufacturer's user manual for your specific model for instructions and best practices.