

# Microwave Repair

## Contents

The Issue to Solve.....	2
Diagnosing the Problem.....	2
Replacing the Magnetron.....	3

## The Issue to Solve

Our Sun City Anthem microwave stopped heating food one day out of the blue. The rest of the microwave still worked, the display and keypad worked, the clock kept proper time, etc.

Our first inclination was to simply buy a new microwave since this one was around 17 years old and new microwaves are only a few hundred dollars now. However, we quickly ran into a problem because our microwave was 36" wide and apparently nobody makes them this size anymore – they are all around 30" wide now and you would need to extend the cabinetry to fill the gap on either side.

## Diagnosing the Problem

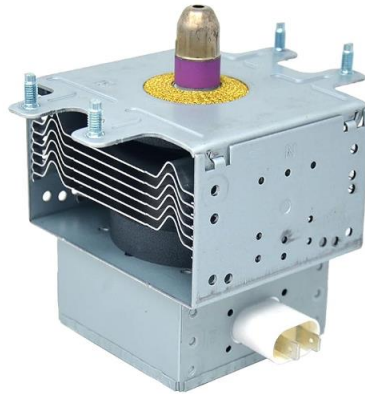
After you take the microwave down and remove the right-side panel, you should be able to find a folded up "trouble-shooting" paper guide secured to the wall of the microwave. You can use this guide to determine what is wrong with your microwave – note you will need some basic tools like a volt meter and clip-on amp meter.

In our case the guide indicated that the problem was with the magnetron – your problem may be different. The rest of this document describes how to replace the magnetron.

## Replacing the Magnetron

You will need to order a replacement magnetron for the OM75P-10 that is used in the microwaves installed in Sun City (make sure yours is the same before ordering – I'm assuming all Sun City homes got the same microwave, but I could be wrong.) You can get this for \$51.95 at Amazon here:

[Amazon.com: GE Microwave Oven Magnetron and Diode Kit OM75P \(10\) Part # WB27X10017 : Home & Kitchen](https://www.amazon.com/GE-Microwave-Oven-Magnetron-Diode-Kit-OM75P-10-Part-WB27X10017-Home-Kitchen/dp/B000000000)



You will need to remove the microwave from above the countertop burner unit by removing the 4 screws holding it to the top of the cabinet above it. The unit weighs about 65lbs so make sure you get some help getting it down – this is not a one-person job!

Once you have the screws out, the front will fall down and you will need to gently lift the back out of the wall bracket behind it. Then you can remove it and set it on the floor.

## Microwave Repair

Remove the screws on the right-side panel and take the panel off. You will then see the magnetron where the red arrow is pointing.

Before proceeding, you should short out the very large capacitor to the left of the magnetron (in the picture below) to remove all charge from the circuit. Be sure to wear insulated gloves so you don't get shocked.

Disconnect the 3x wire connectors from the magnetron.

There are 4x nuts holding the magnetron to the metal bracket – you need to remove these. It will now appear impossible to get it out without completely disassembling the entire microwave, but it is possible if you move it around in the correct position so don't take anything else apart!



You will need to transfer the metal wing and the black sensor from the old magnetron to the new one.

You can then maneuver the new magnetron back in using the same technique and re-attach the nuts and cables.

Once the new magnetron was in place, the microwave started working properly again!