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Whirlpool W10818686

Whirlpool W10818686 Microwave Magnetron Instruction Manual

Genuine Original Equipment Manufacturer (OEM) Part

1. Product Overview

This document provides essential information for the Whirlpool W10818686 Microwave Magnetron. This component is a genuine Original Equipment Manufacturer (OEM) part designed for specific Whirlpool microwave models. The magnetron is a vacuum tube that generates the microwaves used to heat food in a microwave oven.

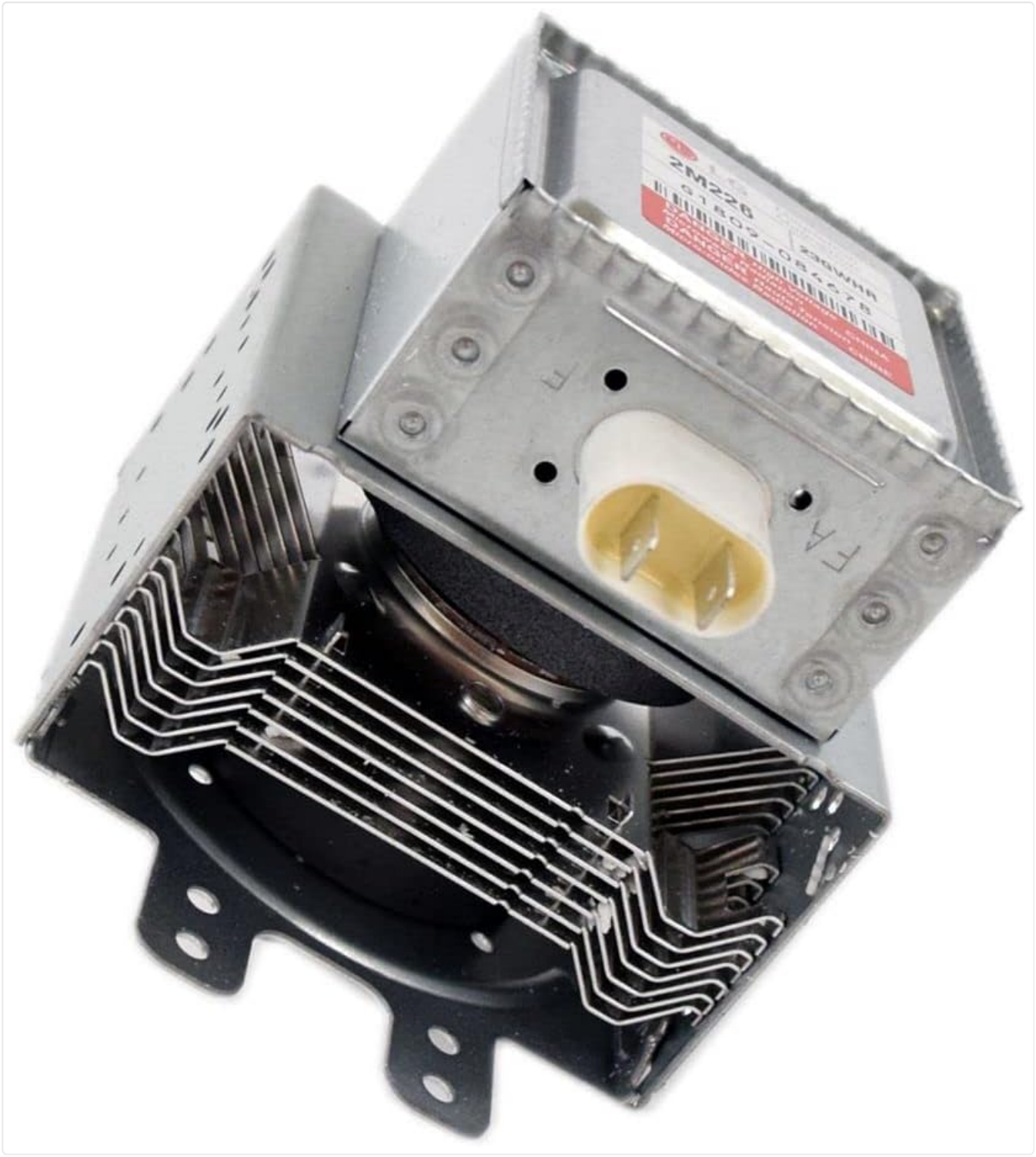


Image 1.1: The Whirlpool W10818686 Microwave Magnetron. This image displays the main view of the magnetron, showing its metallic housing and the ceramic insulator at the top where the electrical connections are made.

2. Important Safety Information

WARNING: Microwave ovens contain high-voltage capacitors that can retain a dangerous electrical charge even after the appliance is unplugged. Servicing a microwave oven can be extremely hazardous.

- **Professional Installation Recommended:** Due to the high voltage and potential hazards, installation or replacement of a magnetron should only be performed by a qualified appliance repair technician.
- **Disconnect Power:** Always ensure the microwave oven is unplugged from the power source and the high-voltage capacitor is safely discharged before attempting any service.
- **Personal Protective Equipment:** Wear appropriate safety gear, including insulated gloves and eye protection, if you

are a qualified technician performing this repair.

- **Do Not Operate Damaged Appliance:** Never operate a microwave oven with a damaged magnetron or if the outer casing is removed.

3. Product Identification and Compatibility

Ensure this magnetron is the correct replacement part for your specific microwave model. Refer to your microwave's service manual or the part number on the original component.

Brand: Whirlpool

Model Number: W10818686

Part Number: W10818686



Image 3.1: Compatibility Reminder. This image features a red stop sign with the text "STOP" and a message emphasizing the importance of checking your microwave's model number before purchasing replacement parts to ensure compatibility.

While many parts may appear similar, exact model compatibility is crucial for proper function and safety. Always verify the part number against your appliance's requirements.

4. Installation Overview

This section provides a general overview of magnetron replacement.**It is not a step-by-step guide.** Always consult your specific microwave oven's service manual for detailed, model-specific instructions and safety procedures. As stated in Section 2, professional installation is strongly recommended.

1. **Preparation:** Unplug the microwave oven from the electrical outlet.
2. **Discharge Capacitor:** Safely discharge the high-voltage capacitor using an insulated tool. This step is critical and must be performed correctly to avoid severe electrical shock.
3. **Access:** Remove the outer casing of the microwave oven to gain access to the magnetron. This typically involves removing screws and panels.
4. **Disconnect:** Carefully disconnect the electrical wires and mounting screws securing the old magnetron. Note the orientation and connection points.
5. **Remove Old Part:** Extract the faulty magnetron from its housing.
6. **Install New Part:** Position the new Whirlpool W10818686 magnetron, secure it with mounting screws, and reconnect the electrical wires. Ensure all connections are firm and correctly oriented.
7. **Reassemble:** Replace the microwave oven's outer casing, ensuring all screws are tightened and panels are properly seated.
8. **Test:** Plug the microwave back into the power outlet and perform a test run with a cup of water to ensure proper heating and operation.



Image 4.1: Magnetron Dimensions. This image shows the Whirlpool W10818686 magnetron alongside a measuring tape, providing a visual reference for its physical dimensions. This can be useful for verifying the part's size during installation.

5. Troubleshooting Common Issues (Magnetron Related)

If your microwave oven exhibits the following symptoms, a faulty magnetron may be the cause. Always ensure other components (e.g., door switches, high-voltage capacitor, diode, transformer) are functioning correctly before replacing the magnetron.

- **No Heat or Insufficient Heat:** The microwave runs, the light comes on, and the turntable spins, but food does not heat or heats very slowly.
- **Unusual Noises:** A buzzing, humming, or arcing sound during operation, especially if accompanied by a burning smell.
- **Burning Smell:** A distinct burning odor emanating from the microwave during operation.

- **Sparking Inside Cavity:** Sparks or arcing inside the microwave cavity, particularly near the waveguide cover.

If you suspect a magnetron failure, discontinue use of the microwave and seek professional service.

6. Specifications

Specification	Detail
Manufacturer	WHIRLPOOL CORP
Part Number	W10818686
Item Weight	2.14 pounds
Product Dimensions	1 x 1 x 1 inches (Note: These dimensions might be packaging or generic, refer to Image 4.1 for visual scale)
Color	Gray
Material	Copper
Wattage	103.58 watts (This refers to the magnetron's power consumption, not microwave output)
Installation Method	Over-the-Range (This refers to the type of microwave it's typically used in)

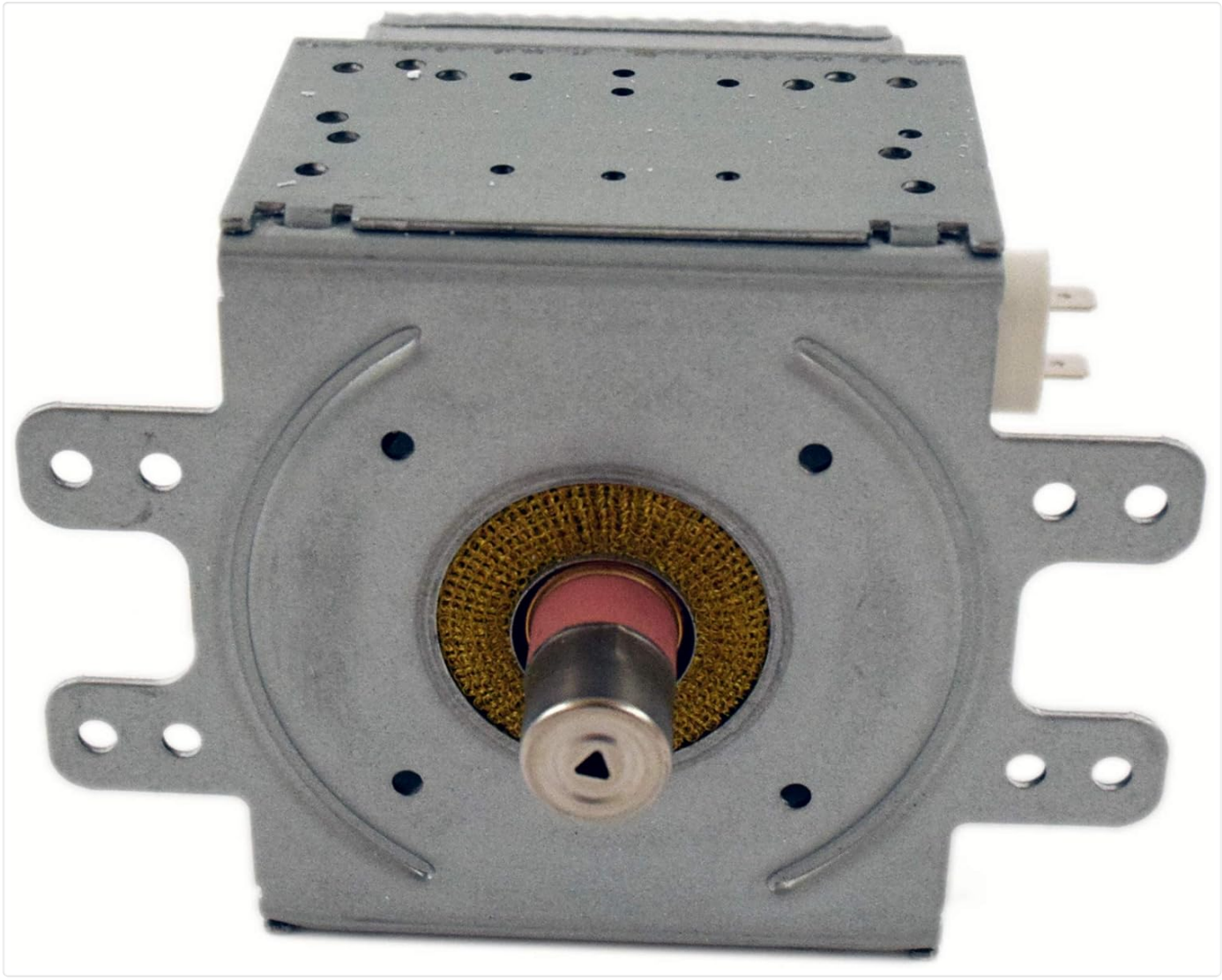


Image 6.1: Magnetron Bottom View. This image provides a view of the bottom of the Whirlpool W10818686 magnetron, showing the mounting plate and cooling fins, which are essential for heat dissipation.

7. Warranty and Support

As a genuine Original Equipment Manufacturer (OEM) part, the Whirlpool W10818686 Magnetron is manufactured to Whirlpool's quality standards. For specific warranty information regarding this replacement part, please refer to the documentation included with your purchase or contact Whirlpool customer support directly.

For technical assistance or to locate a qualified service technician, please visit the official Whirlpool website or contact their customer service department.

Whirlpool Official Website: www.whirlpool.com

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