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Whirlpool W11084121 Turbidity Sensor User Manual

Model: W11084121 | Brand: Whirlpool

INTRODUCTION

This user manual provides comprehensive instructions for the Whirlpool W11084121 Turbidity Sensor. This genuine Original Equipment Manufacturer (OEM) replacement part is designed to restore optimal performance to compatible Whirlpool dishwashers by accurately detecting the clarity of wash water.

Understanding the function and proper handling of this sensor is crucial for effective installation and long-term appliance operation. Please read this manual thoroughly before attempting any installation or maintenance procedures.

SAFETY INFORMATION

WARNING: Before attempting any repair or installation, always disconnect power to the appliance at the circuit breaker or fuse box to prevent electric shock. Failure to do so can result in serious injury or death.

- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Ensure the work area is well-lit and clear of obstructions.
- If you are unsure about any step, consult a qualified appliance technician.
- Be aware that water may be present in the dishwasher's drain basin. Have towels ready to absorb any spills.

PRODUCT DESCRIPTION AND COMPONENTS

The Whirlpool W11084121 Turbidity Sensor is a critical component in modern dishwashers, responsible for monitoring the cleanliness of the wash water. By detecting the amount of food particles and debris, the sensor signals the dishwasher's control board to adjust the wash cycle duration and intensity, ensuring dishes are thoroughly cleaned while conserving water and energy.

This sensor features a durable plastic housing with an integrated O-ring for a watertight seal. It connects electrically to the dishwasher's control system.



Figure 1: Angled view of the Whirlpool W11084121 Turbidity Sensor. This image shows the translucent plastic body, the red O-ring, and the internal components.



Figure 2: Top-down view of the sensor, showing the circular opening and internal light-sensing elements.



Figure 3: Side view of the sensor, highlighting its compact design and the red O-ring for sealing.

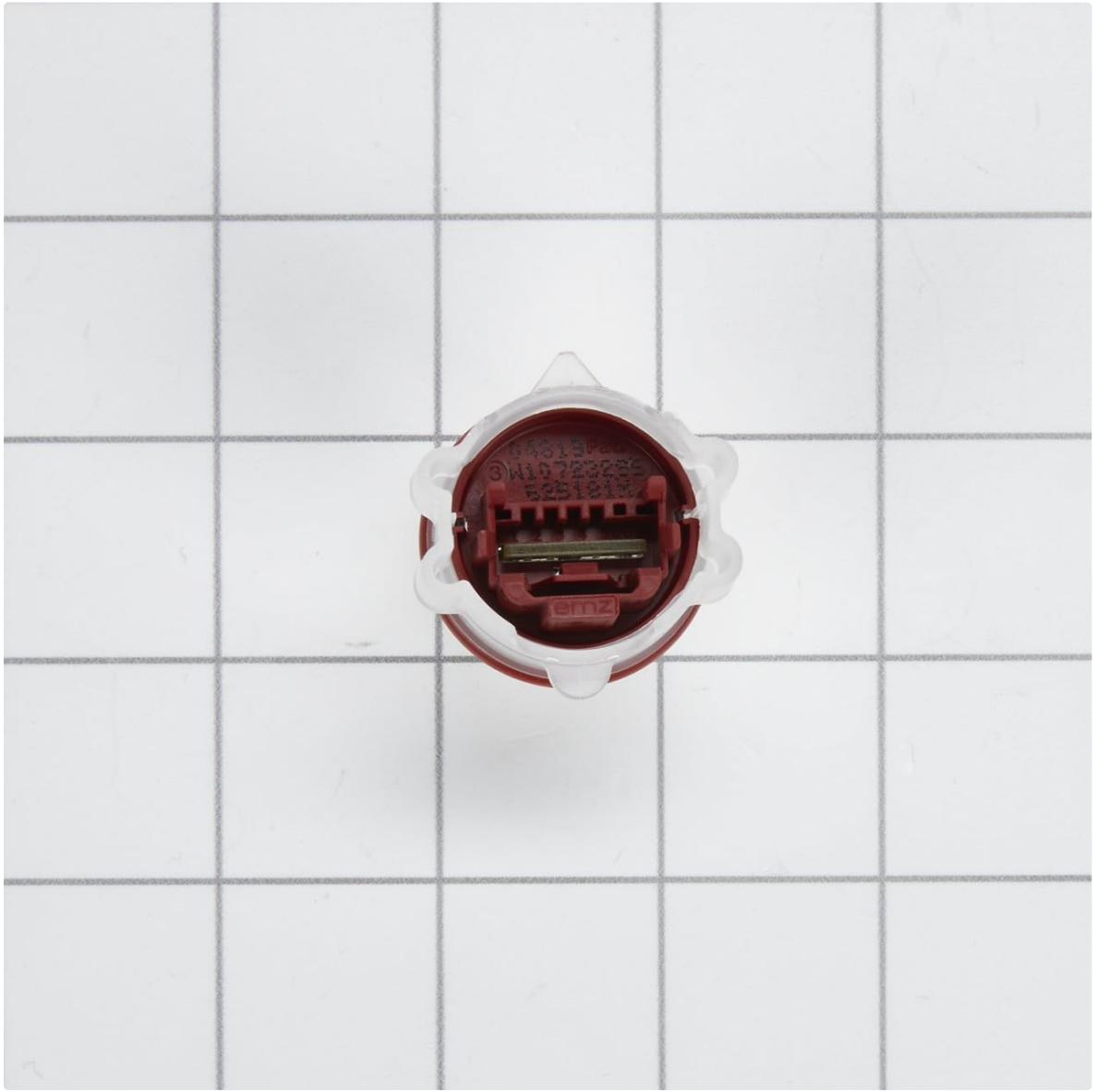


Figure 4: Bottom view of the sensor, showing the electrical connector pins and mounting tabs.

OEM Parts

Original Equipment Manufacturer, OEM, parts are designed specifically by a manufacturer for the products it's manufacturing.



Figure 5: Graphic explaining Original Equipment Manufacturer (OEM) parts, featuring logos of Whirlpool, Maytag, KitchenAid, and Amana. This sensor is a genuine OEM part.

INSTALLATION

This section outlines the general steps for replacing a turbidity sensor in a Whirlpool dishwasher. Specific procedures may vary slightly by dishwasher model. Always refer to your dishwasher's service manual for detailed instructions if available.

1. Prepare the Dishwasher:

- Disconnect the dishwasher from its power source by unplugging it or turning off the circuit breaker.
- If possible, run a drain cycle on the dishwasher to remove as much water as possible from the basin. This will minimize water spillage during sensor removal.
- Carefully pull the dishwasher out from its cabinet enclosure enough to access the side or front bottom panel. You may not need to fully disconnect water lines or drain hoses, but ensure enough clearance to work.

2. Locate the Turbidity Sensor:

The turbidity sensor is typically located in the lower drain pump area of the dishwasher, often on the right side. You may need to remove a lower access panel or tilt the dishwasher slightly to gain access.

3. Remove the Old Sensor:

- Identify the electrical connector attached to the sensor. Carefully disconnect it.
- The sensor is usually held in place by a twist-lock mechanism or small clips. Rotate or unclip the sensor to release it from its housing.
- Have a towel ready to catch any residual water that may drain from the sensor's opening.
- Carefully pull the old sensor out.

4. Install the New Sensor:

- Ensure the new Whirlpool W11084121 sensor has its O-ring properly seated for a watertight seal.
- Insert the new sensor into the opening, aligning any tabs or grooves.
- Twist or clip the sensor into place until it is securely seated and sealed.
- Reconnect the electrical connector to the new sensor, ensuring a firm connection.

5. Test the Dishwasher:

- Carefully slide the dishwasher back into its cabinet.
- Reconnect power to the dishwasher.
- Run a diagnostic cycle or a short wash cycle to verify proper operation. Observe for leaks and ensure the dishwasher completes its cycle normally.

OPERATION

The Whirlpool W11084121 Turbidity Sensor operates automatically within your dishwasher's wash cycle. It uses light to measure the amount of suspended particles in the wash water. If the water is heavily soiled, the sensor signals the dishwasher's control system to extend the wash cycle, add more water, or increase the wash intensity to ensure optimal cleaning.

Conversely, if the water is relatively clean, the sensor allows the dishwasher to proceed to the next cycle phase more quickly, saving water and energy. This intelligent operation helps achieve consistently clean dishes while optimizing resource consumption.

MAINTENANCE

The turbidity sensor itself typically requires no direct maintenance. However, its performance can be affected by the overall cleanliness of your dishwasher and its filtration system. To ensure the sensor functions correctly and your dishwasher performs optimally:

- **Regularly Clean Dishwasher Filters:** Food debris and grease can accumulate in the dishwasher's filters, which can then circulate and interfere with the sensor's readings. Clean your dishwasher's filters according to your appliance's user manual.
- **Scrape Dishes:** While modern dishwashers are designed to handle some food residue, scraping large food particles off dishes before loading can reduce the load on the filtration system and prevent excessive debris from reaching the sensor.
- **Use Recommended Detergent:** Use only dishwasher detergents recommended by the manufacturer. Excessive suds or improper detergents can leave residues that might affect sensor accuracy.

TROUBLESHOOTING

A malfunctioning turbidity sensor can lead to various dishwasher performance issues. If you experience the following symptoms, the W11084121 Turbidity Sensor may need replacement:

- **Excessively Long Wash Cycles:** If your dishwasher runs for much longer than usual, even on light loads, the sensor might be incorrectly detecting dirty water, causing the cycle to extend unnecessarily.
- **Dishes Not Getting Clean:** Conversely, if the sensor fails to detect dirty water, the dishwasher might shorten cycles or reduce wash intensity, resulting in poorly cleaned dishes.

- **Dishwasher Not Completing Cycles:** In some cases, a faulty sensor can cause the dishwasher to stop mid-cycle or not advance to the next phase.
- **Error Codes:** Some advanced dishwasher models may display specific error codes related to the turbidity sensor. Consult your dishwasher's user manual for a list of error codes and their meanings.

If you have performed the installation steps correctly and are still experiencing issues, consider consulting a professional appliance repair technician.

SPECIFICATIONS

Brand	Whirlpool
Model Number	W11084121
Item Weight	0.563 ounces
Product Dimensions	1 x 1 x 1 inches
Mounting Type	Flange Mount
Output Type	Digital
Country of Origin	United States
UPC	883049539904, 728834785367

WARRANTY AND SUPPORT

As a genuine Whirlpool Original Equipment Manufacturer (OEM) part, the W11084121 Turbidity Sensor is manufactured to Whirlpool's exact specifications for fit and performance. For specific warranty information regarding this replacement part, please refer to the documentation included with your purchase or contact Whirlpool customer support directly.

For further assistance or technical support, please visit the official Whirlpool Store on Amazon or the main Whirlpool website.