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- › [BOSCH](#) /
- › [Bosch 00611323 Dishwasher Turbidity Sensor User Manual](#)

BOSCH 00611323

Bosch 00611323 Dishwasher Turbidity Sensor

Model: 00611323 | Brand: BOSCH

INTRODUCTION

This manual provides essential information for the proper handling, installation, and maintenance of the Bosch 00611323 Turbidity Sensor. This component is a genuine Bosch OEM replacement part for dishwashers, also known as an Aquasensor. Adhering to the guidelines in this document will help ensure the correct function and longevity of the part.

PRODUCT OVERVIEW

The Bosch 00611323 Turbidity Sensor is designed to detect the soil level in the water during a dishwasher's wash cycle. This critical information is then transmitted to the dishwasher's control board, enabling the appliance to automatically adjust the wash cycle duration and intensity. This process optimizes cleaning performance and water usage based on the actual cleanliness requirements of the dishes.

This sensor is a direct replacement for part numbers 00611567 and 00611568.



Image 1: Front view of the Bosch 00611323 Dishwasher Turbidity Sensor, showing the main body and the included black O-ring for sealing.



Image 2: Bottom view of the Bosch 00611323 Dishwasher Turbidity Sensor, illustrating the connection points and the separate black O-ring.

SAFETY INFORMATION

- **Always disconnect power:** Before attempting any repairs or installations on your dishwasher, ensure the appliance is completely disconnected from its power source.
- **Turn off water supply:** Close the water inlet valve to the dishwasher to prevent water leaks during the repair process.
- **Wear protective gear:** Use appropriate personal protective equipment (PPE), such as work gloves and eye protection, to prevent injury.
- **Consult a professional:** If you are unsure about any repair procedures or lack the necessary tools and expertise, it is recommended to consult a qualified appliance technician.
- **Reference service manual:** Always refer to your specific dishwasher model's service manual for detailed, model-specific instructions and safety precautions.

SETUP AND INSTALLATION

The following steps provide a general guide for replacing the turbidity sensor. Specific procedures may vary depending on your dishwasher model. Always refer to your appliance's service manual for precise instructions.

1. **Preparation:** Ensure the dishwasher is unplugged from the electrical outlet and the water supply valve is turned off.
2. **Access the Sensor:** Depending on your dishwasher model, you may need to remove the lower spray arm, filter assembly, or access the sensor from the bottom of the appliance. This often involves tilting the dishwasher or pulling it out from its cabinet.
3. **Disconnect Wiring:** Carefully locate the existing turbidity sensor. Disconnect any electrical wiring harnesses attached to it.
4. **Remove Old Sensor:** Release the old sensor from its housing. This may involve twisting, unlatching, or unscrewing it. Note its orientation for proper reinstallation.
5. **Install New Sensor:** Insert the new Bosch 00611323 Turbidity Sensor into the housing, ensuring it is seated correctly and securely. Make sure the new O-ring is properly positioned to create a watertight seal.
6. **Reconnect Wiring:** Reconnect the electrical wiring harness to the new sensor, ensuring a firm connection.
7. **Reassemble:** Reassemble any components that were removed to gain access to the sensor (e.g., filters,

spray arms, access panels).

8. **Test Operation:** Restore power to the dishwasher and turn on the water supply. Run a short test cycle to verify proper operation and check for any leaks around the newly installed sensor.

OPERATING PRINCIPLE

Once correctly installed, the turbidity sensor operates automatically during every wash cycle. It continuously monitors the clarity of the wash water by emitting a light beam and measuring the amount of light scattered or absorbed by particles in the water. This real-time data is then fed to the dishwasher's electronic control unit, which uses this information to determine the optimal wash program, including water temperature, cycle length, and rinse cycles, ensuring efficient and effective cleaning.

MAINTENANCE

To ensure the continued accuracy and longevity of your turbidity sensor, consider the following maintenance tips:

- **Clean Dishwasher Filters:** Regularly clean your dishwasher's filters to prevent food particles and debris from accumulating. Excessive debris can obstruct the sensor's operation or lead to premature wear.
- **Avoid Excessive Detergent:** Using too much detergent can lead to residue buildup on internal components, including the sensor, potentially affecting its readings. Follow detergent manufacturer recommendations.
- **Inspect Periodically:** During routine dishwasher cleaning or maintenance, visually inspect the sensor for any visible damage, heavy mineral deposits, or excessive grime buildup. If necessary, gently clean the sensor's surface with a soft cloth and mild detergent, ensuring no abrasive materials are used.

TROUBLESHOOTING

A malfunctioning turbidity sensor can manifest in several ways. If you experience any of the following issues, consider inspecting or replacing the sensor:

- **Poor Cleaning Performance:** If dishes are consistently coming out dirty, especially with visible food particles or residue, the sensor might be incorrectly detecting clean water, leading to shorter or less intense wash cycles.
- **Excessively Long Wash Cycles:** Conversely, if the dishwasher runs for an unusually long time, the sensor might be continuously detecting dirty water, causing the appliance to prolong the wash cycle in an attempt to clean.
- **Dishwasher Error Codes:** Many modern dishwashers display specific error codes when a component, such as the turbidity sensor, is faulty. Consult your dishwasher's user manual or service manual for a list of error codes and their meanings. For example, some Bosch models might display an E01 error related to water heating or sensing issues, which has been resolved by replacing this sensor in some cases.
- **Water Temperature Issues:** In some instances, a faulty turbidity sensor can indirectly affect other functions, such as water heating, if the control board receives incorrect information about the wash cycle's progress or water condition.

Before replacing the sensor, always verify the issue with your appliance's service manual and consider other potential causes for the symptoms.

SPECIFICATIONS

Attribute	Detail
Brand Name	BOSCH
Model Info	00611323
Item Weight	0.352 ounces
Product Dimensions	1 x 1 x 1 inches
Item Model Number	00611323
Part Number	00611323
Color	White
Included Components	Single Turbidity Sensor

WARRANTY AND SUPPORT

As a genuine Bosch OEM replacement part, this turbidity sensor is manufactured to high-quality standards. For specific warranty information regarding this component, please refer to the original purchase documentation or contact Bosch customer support directly.

For further technical assistance, troubleshooting guidance, or to locate authorized service providers, please visit the official BOSCH website or contact their customer service department. When contacting support, have your dishwasher's model and serial number readily available.

Bosch Official Website: [bosch-home.com/us/](https://www.bosch-home.com/us/)