

Owigift Dishwasher Diverter Motor

Owigift Dishwasher Diverter Motor Instruction Manual

Brand: Owigift | Model: Dishwasher Diverter Motor

1. INTRODUCTION

This instruction manual provides essential information for the Owigift Dishwasher Diverter Motor. This component is designed as a replacement part for specific Kenmore dishwasher models. It is crucial for directing water flow to different spray arms within the dishwasher during wash cycles. Proper installation and understanding of its function are vital for the efficient operation of your appliance.

2. SAFETY INFORMATION

- **Disconnect Power:** Always disconnect the dishwasher from its power source before attempting any installation, repair, or maintenance. Failure to do so can result in electric shock or injury.
- **Water Supply:** Turn off the water supply to the dishwasher before beginning any work to prevent leaks or flooding.
- **Professional Installation Recommended:** Installation of appliance parts can be complex and may require specialized tools and knowledge. If you are not comfortable performing this repair, it is recommended to seek assistance from a qualified appliance technician.
- **Wear Protective Gear:** Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- **Sharp Edges:** Be aware of potential sharp edges or components inside the dishwasher.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon receipt.

- 1 x Owigift Dishwasher Diverter Motor
- 1 x Impeller/Seal (as pictured)



Figure 1: Owigift Dishwasher Diverter Motor. This image displays the main diverter motor unit along with a separate white plastic impeller/seal component.



Figure 2: Top-down view of the Owigift Dishwasher Diverter Motor and its associated impeller. This perspective highlights the motor's housing and the separate impeller disk.

4. COMPATIBLE KENMORE MODELS

This Owigift Dishwasher Diverter Motor is compatible with, but not limited to, the following Kenmore dishwasher models:

- 665.13549N412
- 665.13549N413
- 665.13549N414
- 665.13692N410
- 665.13692N411
- 665.13692N412
- 665.13693N410
- 665.13693N411
- 665.13693N412
- 665.13699N410
- 665.13699N411

Always verify compatibility with your specific dishwasher model before installation.

5. SETUP AND INSTALLATION

The diverter motor is typically located at the bottom of the dishwasher, often near the wash pump. The installation process generally involves accessing the motor from underneath the dishwasher or by removing the lower spray arm and sump assembly.

1. **Preparation:** Ensure the dishwasher is disconnected from power and water supply. Clear the area around the dishwasher for access.
2. **Access the Motor:** Depending on your dishwasher model, you may need to pull the dishwasher out, tilt it, or access it from the front by removing the lower access panel. Some models allow access from inside the tub by removing the lower spray arm and filter assembly.
3. **Disconnect Wiring and Hoses:** Carefully disconnect any electrical connectors and hoses attached to the old diverter motor. Note their positions for reassembly.
4. **Remove Old Motor:** Unfasten the mounting screws or clips holding the old diverter motor in place and remove it.
5. **Install New Motor:** Position the new Owigift diverter motor in the same location as the old one. Secure it with the mounting screws or clips.
6. **Reconnect:** Reconnect all electrical wiring and hoses to the new motor. Ensure all connections are secure and properly seated.
7. **Test for Leaks:** Before fully reassembling the dishwasher, restore the water supply and check for any leaks around the new motor and hose connections.
8. **Restore Power and Test:** Once confident there are no leaks, restore power to the dishwasher and run a short cycle to verify proper operation of the diverter motor. Listen for unusual noises and observe water distribution.

Refer to your specific Kenmore dishwasher's service manual for detailed, model-specific installation instructions.

6. OPERATING PRINCIPLES

The dishwasher diverter motor is a critical component responsible for directing the flow of water to different spray arms (e.g., upper rack, lower rack) during a wash cycle. This ensures that all dishes receive adequate cleaning. The motor typically rotates a diverter valve or impeller, which then channels water through specific pathways. When functioning correctly, the diverter motor ensures balanced water distribution, leading to effective cleaning performance.

7. MAINTENANCE

The Owigift Dishwasher Diverter Motor is a sealed unit and generally does not require routine maintenance. However, to prolong the life of your dishwasher and its components:

- **Regular Cleaning:** Regularly clean your dishwasher's filters and spray arms to prevent debris from accumulating and potentially obstructing the diverter valve's operation.
- **Avoid Overloading:** Do not overload the dishwasher, as this can impede water circulation and put undue stress on internal components, including the diverter motor.
- **Proper Detergent Use:** Use only recommended dishwasher detergents in appropriate quantities to prevent residue buildup.

8. TROUBLESHOOTING

If you experience issues after installing the new diverter motor, consider the following:

| Symptom | Possible Cause | Solution |
|---|--|--|
| Water not reaching upper/lower spray arm | Diverter motor not rotating or stuck; wiring issue. | Check electrical connections to the motor. Inspect the diverter valve for obstructions. If motor is faulty, replacement may be needed. |
| Unusual grinding or buzzing noise from motor area | Motor malfunction; foreign object obstruction. | Disconnect power and inspect the motor and surrounding area for debris. If noise persists, the motor may be failing. |
| Dishwasher not cleaning effectively | Improper water distribution due to diverter motor issue. | Verify the diverter motor is cycling correctly. Check for blockages in spray arms or filters. |
| Water leak near motor | Improperly seated seals or connections; damaged housing. | Ensure all hoses and seals are correctly installed and tightened. Inspect the motor housing for cracks. |

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified appliance repair technician.

9. SPECIFICATIONS

- **Product Type:** Dishwasher Diverter Motor
- **Brand:** Owigift
- **Manufacturer:** Owigift
- **Compatible Appliance:** Kenmore Dishwashers (specific models listed in Section 4)
- **ASIN:** B09H3B1M9B
- **UPC:** 718997271951
- **Date First Available:** September 24, 2021

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Owigift Dishwasher Diverter Motor, please refer to the seller's policies or contact Owigift customer service directly. Keep your purchase receipt as proof of purchase.

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