

587.15103801

Instruction Manual: Kenmore Dishwasher Motor Kit Replacement

For Kenmore Dishwasher Models: 587.15103801, 587.15103800, 587.15104800, 587.16103800, 587.16102801, 587.16103801, 587.16104800, 587.16232900A, 587.16242702, 587.16248702, 587.15369101A

1. INTRODUCTION

This manual provides detailed instructions for the replacement of the motor kit in compatible Kenmore dishwasher models. This kit is designed to restore proper wash and drain functions to your appliance. Please read all instructions carefully before beginning the installation process to ensure safe and effective replacement.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: Risk of Electric Shock and Injury.

- Always disconnect power to the dishwasher at the circuit breaker or fuse box before attempting any repairs or maintenance.
- Ensure the dishwasher is completely drained of water before beginning work.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- If you are unsure about any step, consult a qualified appliance technician.
- Keep children and pets away from the work area.

3. COMPATIBLE MODELS

This motor kit is a direct replacement for the following Kenmore dishwasher models:

- 587.15103801
- 587.15103800
- 587.15104800
- 587.16103800
- 587.16102801
- 587.16103801
- 587.16104800

- 587.16232900A
- 587.16242702
- 587.16248702
- 587.15369101A

Please verify your dishwasher's model number before proceeding with the replacement.

4. KIT COMPONENTS

The motor kit typically includes the main motor assembly. Inspect the contents of your package upon arrival to ensure all parts are present and undamaged.



Figure 1: The motor kit replacement part for Kenmore dishwashers. This image displays the complete motor assembly, featuring a black top housing, a metallic cylindrical body, and a white lower housing with internal components visible.

5. INSTALLATION GUIDE

Follow these steps carefully to replace the dishwasher motor kit.

5.1. Preparation

1. **Disconnect Power:** Locate your home's circuit breaker panel and turn off the breaker supplying power to the dishwasher. Verify power is off by attempting to start the dishwasher.
2. **Disconnect Water Supply:** Turn off the water supply valve to the dishwasher, usually located under the sink.
3. **Drain Water:** Ensure the dishwasher is completely drained. You may need to run a drain cycle or manually remove any standing water from the tub.

4. **Access Dishwasher:** Carefully pull the dishwasher out from its cabinet enclosure. You may need to disconnect the drain hose and water supply line if they are not long enough to allow full access.
5. **Tilt Dishwasher:** Gently tilt the dishwasher onto its back or side to access the underside where the motor is located. Place towels or cardboard underneath to protect your floor.

5.2. Motor Removal

6. **Locate Motor:** Identify the existing motor assembly on the underside of the dishwasher.
7. **Disconnect Wiring:** Carefully disconnect all electrical wiring connected to the motor. Take photos or make notes of the wiring configuration for reassembly.
8. **Disconnect Hoses/Clamps:** Disconnect any hoses or clamps attached to the motor assembly. Be prepared for residual water.
9. **Remove Mounting Screws/Clips:** Unscrew or unclip the fasteners holding the motor assembly in place.
10. **Remove Old Motor:** Carefully remove the old motor assembly from the dishwasher.

5.3. New Motor Installation

11. **Position New Motor:** Place the new motor kit assembly into the dishwasher's motor housing, ensuring it aligns correctly.
12. **Secure Motor:** Fasten the new motor assembly using the mounting screws or clips removed earlier. Ensure it is securely in place.
13. **Reconnect Hoses/Clamps:** Reconnect all hoses and clamps to the new motor assembly. Ensure connections are tight to prevent leaks.
14. **Reconnect Wiring:** Reconnect all electrical wiring to the new motor, referring to your notes or photos taken during disassembly. Ensure all connections are secure.

5.4. Post-Installation

15. **Reposition Dishwasher:** Carefully return the dishwasher to its upright position and slide it back into its cabinet enclosure. Reconnect the drain hose and water supply line if they were disconnected.
16. **Reconnect Water Supply:** Turn on the water supply valve to the dishwasher. Check for any immediate leaks.
17. **Reconnect Power:** Turn on the circuit breaker for the dishwasher.
18. **Test Operation:** Run a short wash cycle to test the new motor and check for any leaks or unusual noises.

6. OPERATING CONSIDERATIONS

After successful installation, the dishwasher should operate as normal. The new motor kit is designed to restore the original wash and drain performance. If you notice any unusual sounds or performance issues, refer to the troubleshooting section.

7. MAINTENANCE

The motor kit itself is a sealed unit and does not require specific maintenance. To ensure the longevity of your dishwasher and its components, consider the following general maintenance tips:

- Regularly clean the dishwasher filter to prevent debris buildup.
- Use appropriate dishwasher detergents and rinse aids.
- Periodically inspect hoses and connections for signs of wear or leaks.

8. TROUBLESHOOTING

If you encounter issues after replacing the motor kit, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Dishwasher not starting or running.	No power; wiring issue; door not latched.	Check circuit breaker; verify all wiring connections are secure; ensure door is fully closed and latched.
Water leaking from dishwasher.	Loose hose connection; damaged seal.	Inspect all hose connections for tightness; check seals around the motor and pump for proper seating.
Unusual noises during operation.	Debris in pump; improper motor seating.	Disconnect power and inspect pump area for foreign objects; ensure motor is securely mounted.
Dishwasher not draining.	Drain hose kinked; drain pump issue.	Check drain hose for kinks or obstructions; verify drain pump connections.

If the problem persists after attempting these solutions, it is recommended to contact a qualified technician.

9. SPECIFICATIONS

- **Product Type:** Dishwasher Motor Kit Replacement
- **Compatibility:** Specific Kenmore dishwasher models (refer to Section 3)
- **Material:** Durable composite and metallic components
- **Function:** Restores wash and drain pump operation

10. WARRANTY INFORMATION

Warranty coverage for this replacement motor kit is provided by the seller. Please refer to your purchase documentation or contact the seller directly for specific warranty terms and conditions.

11. CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about parts, please contact the seller or a certified appliance repair professional. When contacting support, please have your dishwasher model number and the details of your issue readily available.