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ERP A00126401

ERP A00126401 Dishwasher Drain Pump Assembly Instruction Manual

Model: A00126401 | Brand: ERP

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the ERP A00126401 Replacement Drain Pump Assembly. This aftermarket part is designed to restore proper draining function to compatible Kenmore and Frigidaire dishwashers. It is a direct replacement for original parts with cross-references A00126401, ERA00126401, 5304492415, and 154736201.

2. Safety Information

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov
Before beginning any work on your appliance, always prioritize safety. Failure to follow these instructions could result in electric shock, injury, or property damage.

- **Disconnect Power:** Always unplug the dishwasher from its power source or turn off the circuit breaker before attempting any repairs or maintenance.
- **Turn Off Water Supply:** Shut off the water supply valve to the dishwasher to prevent leaks.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection.
- **Handle with Care:** Appliance parts may have sharp edges. Handle the pump and surrounding components carefully.
- **Professional Assistance:** If you are unsure about any step, consult a qualified appliance repair technician.

3. Product Overview

The ERP A00126401 is a complete drain pump assembly responsible for expelling water from the dishwasher tub at the end of a wash cycle. It consists of an electric motor, an impeller, and a housing designed to fit specific Kenmore and Frigidaire dishwasher models.



Figure 3.1: Angled view of the ERP A00126401 Drain Pump Assembly, showing the white housing and green impeller.



Figure 3.2: Top-down view of the drain pump, highlighting the green impeller blades responsible for moving water.

4. Installation

This section outlines the general steps for replacing a dishwasher drain pump. Specific procedures may vary slightly depending on your dishwasher model. Refer to your dishwasher's service manual or online resources for model-specific instructions if needed.

Tools Required:

- Screwdrivers (Phillips, Flathead, and a long Torx bit may be required)
- Pliers
- Towels or rags

- Bucket or shallow pan

Installation Steps:

1. **Prepare the Dishwasher:**
    - Disconnect the dishwasher from its electrical power supply.
    - Turn off the water supply valve to the dishwasher.
    - Carefully pull the dishwasher out from its cabinet enclosure to gain access to the underside. You may need to remove mounting screws securing it to the countertop or cabinet.
2. **Locate and Access the Drain Pump:**
    - Once the dishwasher is accessible, locate the drain pump assembly, typically found at the bottom of the unit.
    - Place towels or a shallow pan underneath the pump area to catch any residual water.



Figure 4.1: Bottom view of the drain pump, illustrating the electrical connections and motor housing.

3. **Remove the Old Drain Pump:**
    - Disconnect the electrical wiring harness from the pump. Note the orientation of the wires if they are not color-coded.
    - Loosen the clamps securing the drain hoses to the pump and carefully remove the hoses. Be prepared for some water to spill.
    - Unscrew the mounting screws (often 3 screws) that hold the drain pump in place. A long Torx bit may be necessary for some models.
    - Carefully remove the old drain pump assembly.
4. **Install the New Drain Pump:**

- Align the new ERP A00126401 drain pump with the mounting points.
- Secure the pump with the mounting screws, ensuring it is firmly in place.
- Reconnect the drain hoses to the new pump and tighten the clamps securely to prevent leaks.
- Reconnect the electrical wiring harness to the pump. Ensure connections are snug.

5. **Test and Reassemble:**
    - Carefully slide the dishwasher back into its cabinet, ensuring no hoses or wires are pinched.
    - Reconnect the water supply and turn on the main power to the dishwasher.
    - Run a short drain cycle or a full wash cycle to check for leaks and confirm proper draining function.
    - Once confirmed, secure the dishwasher back into its original position with mounting screws.

5. Operating

The ERP A00126401 Drain Pump Assembly operates automatically as part of your dishwasher's wash cycle. It activates during the drain phase to remove dirty water from the dishwasher tub, ensuring clean dishes and preventing standing water.
No manual operation is required for the drain pump itself once correctly installed. Its function is integrated into the dishwasher's control system.

6. Maintenance

Regular maintenance of the drain pump is generally not required beyond ensuring the dishwasher's filter and drain path are clear of debris. However, periodic checks can help prolong the life of the pump and prevent future issues:

- **Clean Dishwasher Filter:** Regularly clean your dishwasher's food filter to prevent large food particles from reaching and potentially clogging the drain pump.
- **Inspect Drain Hose:** Periodically check the drain hose for kinks, blockages, or damage that could impede water flow.
- **Listen for Unusual Noises:** If the pump starts making unusual grinding or humming noises, it may indicate an obstruction or wear.

7. Troubleshooting

The primary symptom addressed by replacing this part is the dishwasher

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