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SAMSUNG DC97-17999L

Samsung DC97-17999L Washer Drain Pump Assembly Instruction Manual

Genuine Original Equipment Manufacturer (OEM) Part

Important Safety Information

Before attempting any repair or installation, always disconnect power to the appliance. Wear appropriate personal protective equipment, including gloves and eye protection. If you are unsure about any step, consult a qualified technician. Improper installation can lead to property damage, injury, or death.

Always verify the compatibility of the part with your specific washer model number before purchase and installation. Many parts may appear similar but are not interchangeable.

Product Overview

The Samsung DC97-17999L is a genuine Original Equipment Manufacturer (OEM) drain pump assembly designed for Samsung washing machines. This component is crucial for removing water from the washer tub during the drain and spin cycles. A malfunctioning drain pump can prevent the washer from draining properly, leading to standing water in the tub or error codes.

Image showing the overall structure of the drain pump assembly, including the motor and housing.

Setup and Installation

Replacing a washer drain pump assembly typically involves accessing the pump from the front or rear of the washing machine, depending on the model. This process requires disconnecting water hoses, electrical connections, and securing

clamps. It is recommended to have a bucket and towels ready to catch any residual water.

1. **Disconnect Power:** Unplug the washing machine from the electrical outlet.
2. **Shut Off Water Supply:** Turn off the hot and cold water supply valves to the washer.
3. **Drain Residual Water:** Disconnect the drain hose from the standpipe or utility sink and lower it into a bucket to drain any remaining water from the tub.
4. **Access the Pump:** Depending on your washer model, you may need to remove the front panel, rear panel, or tilt the washer back to access the drain pump. Refer to your specific washer's service manual for detailed access instructions.
5. **Disconnect Hoses and Wiring:** Carefully disconnect the inlet and outlet hoses from the old drain pump. Note their positions for reinstallation. Disconnect the electrical wiring harness.
6. **Remove Old Pump:** Unclip or unscrew the old drain pump assembly from its mounting bracket.
7. **Install New Pump:** Position the new DC97-17999L drain pump assembly and secure it to the mounting bracket. Reconnect the hoses and electrical wiring harness, ensuring all connections are tight and secure.
8. **Reassemble Washer:** Reattach any panels removed to access the pump.
9. **Restore Power and Water:** Turn on the water supply valves and plug the washer back into the electrical outlet.



Close-up view of the drain pump assembly, highlighting the hose connections and electrical terminal.

Note: Always refer to your specific washing machine's service manual for detailed, model-specific installation instructions. Professional installation is recommended if you are not comfortable performing this repair.

Operating Instructions

After successful installation of the DC97-17999L drain pump assembly, the washing machine should resume normal operation. To test the new pump:

1. Run a short wash cycle with no laundry.
2. Observe the drain cycle to ensure water is being pumped out effectively and quietly.
3. Check for any leaks around the newly installed pump and hose connections.

If the washer drains properly and there are no leaks, the installation was successful.

Maintenance

While the drain pump itself is a sealed unit and generally not user-serviceable, proper maintenance of your washing machine can extend the life of the pump and prevent future issues:

- **Clean the Drain Filter:** Many washers have a drain pump filter or coin trap that should be cleaned regularly (e.g., every few months) to prevent blockages that can strain the pump. Refer to your washer's user manual for its location and cleaning procedure.
- **Avoid Overloading:** Overloading the washer can lead to excessive lint and debris, which can eventually clog the drain system.
- **Check Pockets:** Always check clothing pockets for small items like coins, keys, or tissues before washing, as these can damage or clog the drain pump.

Troubleshooting

If your washing machine is experiencing draining issues after replacing the drain pump, consider the following:

- **No Drain or Slow Drain:**
  - Ensure the drain hose is not kinked or clogged.
  - Check the drain pump filter for any obstructions.
  - Verify all electrical connections to the pump are secure.
  - Confirm the washer's control board is sending power to the pump.
- **Unusual Noise During Drain:**
  - Small foreign objects may be trapped in the pump impeller. Disconnect power and inspect the pump.
  - Ensure the pump is securely mounted and not vibrating against other components.
- **Leaks:**
  - Check all hose connections to the pump for tightness.
  - Inspect hoses for cracks or damage.
  - Ensure the pump housing itself is not cracked (unlikely for a new part, but possible if damaged during installation).

If troubleshooting steps do not resolve the issue, it may indicate a problem with another component of the washing machine or require professional assistance.

Specifications

Brand	SAMSUNG
Part Number	DC97-17999L
Item Weight	Approximately 5 pounds
Package Dimensions	Approximately 13 x 11 x 7 inches
Type	Washer Drain Pump Assembly

Compatibility	Genuine OEM part for various Samsung washing machine models (verify with your specific model)

Warranty and Support

As a genuine Original Equipment Manufacturer (OEM) part, the Samsung DC97-17999L is manufactured to the highest standards. Specific warranty information for this part may vary depending on the retailer and the date of purchase. Please retain your proof of purchase for any warranty claims.

For technical support or further assistance with your Samsung appliance, please refer to the official Samsung support website or contact their customer service directly. Have your washing machine's full model number and serial number ready when contacting support.

- **Samsung Support Website:** www.samsung.com/us/support/
- **Contact Information:** Refer to the support website for phone numbers and chat options.

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