

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [TOMOON](#) /

› TOMOON DC31-00178A / DC31-00187A Washer Drain Pump Instruction Manual

TOMOON DC31-00178A, DC31-00187A, PX3516-01

TOMOON DC31-00178A / DC31-00187A Washer Drain Pump Instruction Manual

Models: DC31-00178A, DC31-00187A, PX3516-01

INTRODUCTION

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of the TOMOON DC31-00178A / DC31-00187A Washer Drain Pump. This component is designed to replace the original drain pump in compatible Samsung washing machines, ensuring proper water drainage during wash cycles. The pump operates at 120V, 60Hz, and 80W, and features a wire guard design for enhanced durability.

COMPATIBILITY



► **REPLACE PART NO:** 3989917, AP5916591, PS9605762, EAP9605762, DC31-00178A, 4958525, AP6977256, PX3516-01, 03DC3100187A

► **FITS MODOLS:** WA400PJHDWR/AA-04, WA40J3000AW/A2- 00, WA40J3000AW/A2-01, WF42H5600AW/A2-00, WF42H5200AP/A2-01, WA456DRHDSU /AA-04, WA456DRHD SU/ AA-05, WF42H5000AW/A2-00, WF42H 5000 AW/ A2-01, WF42H54 00AF/A2-00, WF42H5200AF/ A2-00, SEE DESCRIPTION FOR MORE MODELS

Image: Multi-angle display of the TOMOON DC31-00178A / DC31-00187A Washer Drain Pump, showing its various components and design from different perspectives.

SETUP AND INSTALLATION

Replacing the washer drain pump is a straightforward process. Always ensure the washing machine is unplugged from the power source and the water supply is turned off before beginning any repair work. Drain any residual water from the washer before accessing the pump.

1. **Preparation:** Disconnect the washer from power and water. Access the drain pump, typically located at the rear or bottom front of the machine.
2. **Remove Old Pump:** Carefully disconnect the hoses and electrical connections from the old drain pump. Be prepared for some water spillage.
3. **Install New Pump:** Connect the new TOMOON drain pump, ensuring all hoses are securely attached and electrical connections are firm.
4. **Test:** Reconnect power and water. Run a short drain cycle to check for leaks and proper operation.

EASY INSTALLATION



Image: A visual guide demonstrating the steps for installing the washer drain pump, showing hands manipulating the pump and connections.

OPERATING INSTRUCTIONS

The TOMOON DC31-00178A / DC31-00187A drain pump operates automatically as part of your Samsung washing machine's cycle. Once installed, the pump will activate during the drain portion of the wash cycle to remove water from the tub. No manual operation is required for the pump itself.

MAINTENANCE

To ensure the longevity and efficient performance of your drain pump, consider the following maintenance tips:

- **Regular Cleaning:** Periodically clean the drain pump filter to remove lint, debris, and other particles that can clog the pump and affect its performance. Refer to your washing machine's user manual for specific instructions on accessing and cleaning the filter.
- **Check for Leaks:** Regularly inspect the drain pump and its connected hoses for any signs of leaks or damage. Address any issues promptly to prevent further damage to the appliance or surrounding area.

TROUBLESHOOTING

If your washing machine experiences drainage issues after installing the new pump, refer to the following common

problems and potential solutions:

Symptom	Possible Cause	Solution
Washer making noise	Debris in pump, worn impeller	Inspect and clean pump filter; ensure no foreign objects are present.
Washer cannot drain / Slow drainage	Clogged pump filter or drain hose, faulty pump	Clean pump filter and check drain hose for obstructions. Verify pump is receiving power and spinning.
Washer pump not spinning / Pump but will not spin	Electrical issue, seized impeller, faulty motor	Check electrical connections. Manually check if impeller spins freely. If not, pump may need replacement.
Washer leaks	Loose hose connections, damaged pump housing, worn seals	Ensure all hose clamps are tight. Inspect pump housing and seals for cracks or damage.
Clothes are wetter than usual	Ineffective draining due to pump issue	Refer to solutions for "Washer cannot drain" above.
5E, SE, or Sud error code	Drainage issue, excessive suds	Check for clogs in the drain system. Reduce detergent usage. If problem persists, inspect pump.



Image: An illustration detailing common washing machine symptoms such as water filling issues, leakage, noise, and pump not spinning, which can be resolved by replacing the drain pump.

SPECIFICATIONS

The TOMOON DC31-00178A / DC31-00187A Washer Drain Pump features the following specifications:

Feature	Detail
Model Numbers	DC31-00178A, DC31-00187A, PX3516-01
Voltage	120 Volts (AC)

Feature	Detail
Wattage	80 Watts
Frequency	60 Hz
Material	Plastic
Color	Black / Gray
Product Dimensions	4.2"L x 2"W x 3.3"H
Item Weight	1.74 Pounds



Image: A detailed diagram illustrating the physical dimensions of the drain pump, including length, width, and height measurements.

COMPATIBILITY

This drain pump is compatible with various Samsung washing machine models. It replaces part numbers: 3989917, AP5916591, PS9605762, EAP9605762, DC31-00178A, 4958525, AP6977256, PX3516-01, DC3100187A, DC31-00178D, 2754406, AP5583541, PS4204640, EAP4204640, DC31-00187A.

Known compatible Samsung models include (but are not limited to):

- WA400PJHDWR/AA-04
- WA40J3000AW/A2-00
- WA40J3000AW/A2-01
- WF42H5600AW/A2-00
- WF42H5200AP/A2-01
- WA456DRHDSU/AA-04
- WA456DRHDSU/AA-05
- WF42H5000AW/A2-00
- WF42H5000AW/A2-01
- WA45H7000AW/A2-01
- WV60M9900AV/A5
- WA45H7000AW/A2
- WA45H7000AW/A2-11



Image: A visual representation of the drain pump's compatibility, listing various Samsung washing machine model numbers it is designed to fit.

This TOMOON drain pump comes with a **5-year warranty**. For any issues or concerns regarding the product, please contact TOMOON customer support. Details for contacting support are typically provided with your purchase documentation or on the manufacturer's official website.