

Auertech AU8590-D

Auertech Drain Pump User Manual

Model: AU8590-D

For Washing Machine Models AU8590/AU8595

1. INTRODUCTION

Thank you for choosing the Auertech Drain Pump. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new drain pump. Please read this manual thoroughly before installation and keep it for future reference.

This drain pump is designed to effectively remove water from your washing machine during the drain cycle, ensuring proper functioning and preventing water accumulation.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical appliances and water. Failure to follow these safety instructions could result in electric shock, fire, or personal injury.

- **Disconnect Power:** Always unplug the washing machine from the power outlet before attempting any installation, maintenance, or repair.
- **Water Hazards:** Be aware of residual water in the washing machine and hoses. Have towels and a bucket ready to manage spills.
- **Professional Installation:** If you are unsure about any step, consult a qualified technician.
- **Proper Tools:** Use appropriate tools for the job to prevent damage to the pump or washing machine.
- **Inspect Components:** Before installation, inspect the new drain pump for any visible damage. Do not install a damaged pump.

3. PRODUCT OVERVIEW

The Auertech Drain Pump (Model AU8590-D) is a replacement part for compatible washing machines. It is a corded electric component responsible for expelling water from the washer tub.



Image: Front view of the Auertech AU8590-D Drain Pump, showing the motor, housing, and inlet/outlet ports.

Key Components:

- **Motor:** Powers the impeller to move water.
- **Impeller:** Rotates to create suction and push water.
- **Housing:** Encases the motor and impeller, with inlet and outlet ports for water flow.
- **Electrical Connections:** For connecting to the washing machine's power supply.

4. SETUP AND INSTALLATION

This section outlines the general steps for replacing a washing machine drain pump. Specific steps may vary slightly depending on your washing machine model. Refer to your washing machine's service manual for detailed instructions.



Image: A typical washing machine, illustrating the appliance where the drain pump is installed.

1. **Prepare the Area:** Move the washing machine away from the wall to access the rear or bottom. Place towels and a shallow pan or bucket nearby to catch any water.
2. **Disconnect Power and Water:** Unplug the washing machine from the electrical outlet. Turn off the hot and cold water supply valves to the washing machine.
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 washing machine model, you may need to tilt the machine, remove a front panel, or remove a rear panel to access the drain pump. Consult your washing machine's manual for specific access instructions.
5. **Disconnect Hoses from Old Pump:** Carefully disconnect the inlet and outlet hoses from the old drain pump. Be prepared for more water to spill out. Note their orientation for reinstallation.
6. **Disconnect Electrical Wires:** Disconnect the electrical wiring harness from the old pump. Take a photo if necessary to remember the connections.
7. **Remove Old Pump:** Unmount the old drain pump from its bracket or housing. This may involve unscrewing fasteners or releasing clips.
8. **Install New Pump:** Mount the new Auertech drain pump in the same position as the old one. Ensure it is securely fastened.
9. **Reconnect Hoses:** Reconnect the inlet and outlet hoses to the new pump, ensuring they are clamped securely to prevent leaks.
10. **Reconnect Electrical Wires:** Reconnect the electrical wiring harness to the new pump. Double-check that connections are firm and correct.
11. **Reassemble Machine:** Replace any panels or covers that were removed to access the pump.
12. **Test Operation:** Reconnect the washing machine to the water supply and power outlet. Run a short drain or rinse/spin cycle to check for leaks and proper pump operation. Observe carefully for the first few minutes.

5. OPERATING THE DRAIN PUMP

The drain pump operates automatically as part of your washing machine's cycle. It activates during the drain and spin phases to remove water from the wash tub.

- Ensure the drain hose is properly installed and not kinked or blocked.
- Do not overload the washing machine, as this can hinder proper draining.
- Regularly check the drain filter (if your washing machine has one) for lint, coins, or other debris that could obstruct the pump.

6. MAINTENANCE

The Auertech drain pump is designed for durability. Regular maintenance of your washing machine's drain system can prolong the life of the pump and prevent issues.

- **Check Drain Filter:** Many washing machines have a drain pump filter or coin trap. Locate and clean this filter regularly (e.g., every few months) to remove lint, debris, or small items that could clog the pump. Refer to your washing machine's manual for filter location and cleaning instructions.
- **Inspect Hoses:** Periodically check the drain hoses for kinks, cracks, or blockages. Ensure they are securely connected.
- **Listen for Unusual Noises:** If the pump starts making unusual grinding or humming noises, it could indicate a blockage or a failing component. Address these issues promptly.

7. TROUBLESHOOTING

If your washing machine is experiencing draining issues after installing the new pump, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Washing machine not draining	Clogged drain filter or hose; Kinked drain hose; Faulty lid switch (if applicable); Electrical connection issue.	Clean drain filter; Check and straighten drain hose; Verify lid switch operation; Recheck pump's electrical connections.
Slow draining	Partial blockage in drain filter or hose; Drain hose too high.	Clean drain filter; Clear any partial blockages in hoses; Ensure drain hose is at the correct height (refer to washer manual).
Pump making loud noise	Debris in pump impeller; Pump not securely mounted.	Disconnect power, access pump, and check for debris in the impeller; Ensure pump is securely fastened to its mounting.
Water leaking from pump area	Loose hose clamps; Damaged hoses; Improperly seated pump.	Tighten hose clamps; Inspect hoses for damage and replace if necessary; Ensure pump is correctly installed and sealed.

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

8. SPECIFICATIONS

- **Brand:** Auertech
- **Model Number:** AU8590-D
- **Power Source:** Corded Electric
- **Included Components:** Drain pump
- **Compatibility:** Designed for Washing Machine Models AU8590/AU8595

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact Auertech directly or

refer to the product packaging and purchase documentation.

You can typically find support contact details on the manufacturer's official website or through the retailer where the product was purchased.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

What is the part number for a new drain pipe for the Auertech AU8595 (Model ZY1002-CA) washing machine?

Based on the available documentation for the Auertech AU8595, the specific part number for the external drain pipe (hose) is not explicitly listed in the manual. However, the manual identifies the replacement drain pump...

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