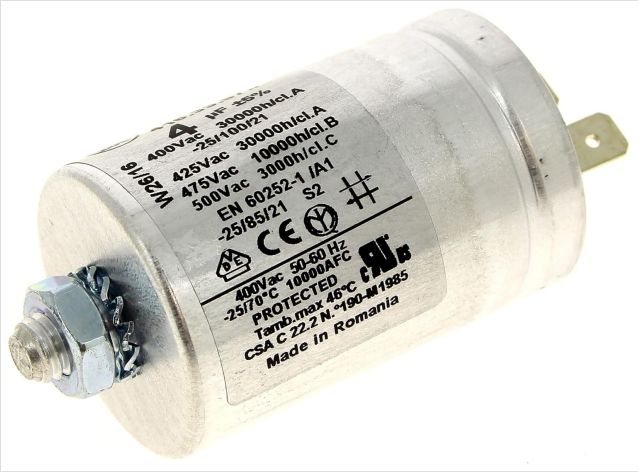
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Whirlpool 8058331181921

4µF Capacitor for Whirlpool Dishwasher - Instruction Manual

Model: 8058331181921

Product Overview



This image shows the main view of the 4µF capacitor, highlighting its cylindrical shape, metallic casing, and the label displaying its electrical specifications and certifications. A screw terminal is visible on one end for secure connection.

This 4µF capacitor is a crucial replacement component designed for various Whirlpool dishwashers, as well as compatible models from Bauknecht, Laden, Ikea, and Ignis. Capacitors are essential electrical components that store and release electrical energy, often used in motor starting circuits for appliances like dishwashers to ensure proper operation.

Replacing a faulty capacitor can resolve issues related to motor startup or inconsistent performance in your dishwasher. This manual provides guidance on installation, maintenance, and troubleshooting for this specific component.

Installation Guide

Safety Precautions

WARNING: Electrical components can be dangerous. Installation should only be performed by a qualified technician. Always disconnect power to the appliance before beginning any repair work.

- Ensure the dishwasher is completely unplugged from the power outlet or that the circuit breaker supplying power to the dishwasher is turned off.
- Wear appropriate personal protective equipment, including insulated gloves and safety glasses.

- Discharge any residual charge from the old capacitor before handling it. This can be done by shorting its terminals with a screwdriver with an insulated handle (ensure the screwdriver is rated for electrical work).
- Handle the new capacitor carefully to avoid damage to its terminals or casing.

Tools Required

- Screwdrivers (Phillips and flathead)
- Pliers
- Multimeter (optional, for testing)
- Insulated gloves

Installation Steps

The following steps are general guidelines. Refer to your specific dishwasher's service manual for detailed instructions on accessing and replacing the capacitor.

1. **Disconnect Power:** Unplug the dishwasher from the wall outlet or turn off the dedicated circuit breaker. Verify power is off using a voltage tester.
2. **Access Capacitor:** Depending on your dishwasher model, you may need to remove the lower access panel, kick plate, or even pull the dishwasher out from its cabinet to locate the motor and its capacitor.
3. **Identify Old Capacitor:** Locate the existing capacitor, which is typically a cylindrical component connected to the motor. Note its orientation and wiring connections.
4. **Discharge Old Capacitor:** Carefully discharge the old capacitor using a screwdriver with an insulated handle by touching both terminals simultaneously. You may hear a small spark.
5. **Remove Old Capacitor:** Disconnect the wires from the old capacitor. Note or photograph the wiring configuration before removal. Remove any mounting brackets or clamps holding the capacitor in place.
6. **Install New Capacitor:** Connect the wires to the new 4µF capacitor, ensuring they match the original configuration. Secure the new capacitor in its mounting location.
7. **Reassemble:** Reattach any panels or components that were removed to access the capacitor.
8. **Restore Power:** Plug the dishwasher back in or turn on the circuit breaker.
9. **Test Operation:** Run a short cycle on the dishwasher to confirm proper operation.



This image displays the rear view of the capacitor, clearly showing the spade terminals. These terminals are used for connecting the capacitor to the dishwasher's electrical system.

Operation

As a component part, the 4µF capacitor does not have user-operable functions. Its role is to facilitate the proper starting and running of the dishwasher's motor. Once installed correctly, it operates automatically as part of the appliance's electrical system.

Maintenance

The 4µF capacitor is a sealed component and requires no routine maintenance. However, periodic visual inspection during other appliance servicing can help identify potential issues early.

- **Visual Inspection:** Check for any signs of bulging, leaking, or discoloration on the capacitor's casing. These are indicators of failure.
- **Connection Integrity:** Ensure that the electrical connections to the capacitor remain tight and free from corrosion.

If any signs of damage or wear are observed, it is recommended to replace the capacitor to prevent further appliance malfunction.

Troubleshooting

A failing capacitor can manifest in several ways, primarily affecting the dishwasher's motor. If your dishwasher exhibits the following symptoms, the capacitor may need replacement:

Symptom	Possible Cause (Capacitor Related)	Solution
Dishwasher motor hums but does not start.	Failed start capacitor.	Replace the 4µF capacitor.
Dishwasher starts intermittently or with difficulty.	Weak or failing capacitor.	Replace the 4µF capacitor.
Motor runs slowly or with reduced power.	Capacitor not providing sufficient power.	Replace the 4µF capacitor.
Visible bulging or leakage on the capacitor.	Physical failure of the capacitor.	Immediate replacement required.

If replacing the capacitor does not resolve the issue, further diagnosis by a qualified technician may be necessary to identify other potential problems with the dishwasher motor or control system.

Technical Specifications

Manufacturer	Whirlpool
Model Number	8058331181921
Capacitance	4µF
ASIN	B0BYK57ZRF
Batteries Included	No
Batteries Required	No

Date First Available	November 10, 2022

Compatible Models

This 4µF capacitor is compatible with a wide range of dishwashers from Whirlpool, Bauknecht, Laden, Ikea, and Ignis. Below is a list of some compatible models:

Adg 5609 ix 854255671770, Adg 6330/3 alu 854263301819, Adg 6330/3 av 854263301829, Adg 6450/2 wh 854264501859, Adg 6450/3 nb 854264601849, Adg 6560/1 ix 854265661831, Adg 6560/1 wh 854265661821, Adg 7550 854275515865, Adg 7560/1 854275661871, Adg 7560/1 854275661877, Adg 7665 851176510810, Adg 7665 851176510830, Adg 8341/1 ix 854234101769, Adg 8347 ix 854234101869, Adg 8441/2 ix 854244101849, Adg 8474 ix 854247329740, Adg 8474 wh 854247329760, Adg 8474 wh 854247329769, Adg 8555/1 nb 854255529770, Adg 8555/1 nb 854255529779, Adg 9340/2 854234101820, Adg6370ix 851163701850, Adg6370wh 851163701870, Adg6370wh 851163701871, Adg6536wh 854253529927, Adg673/ix 854267329840, Adg673wh 854267329821, Adg676/1fd 854267629860, Adg676fd 854267629841, Adg676fd 854267629849, Adg676ix 854267629810, Adg676ix 854267629813, Adg690 854269029910, Adg690wh 854269029930, Adg7665 851176601841, Adg7680 851176815810, Adg7680 851176815811, Adg7680 851176815839, Adg7790 851177915811, Adg7790 851177915819, Adg7790 851177915820, Adg8190ix 851181910810, Adg8315ix 854283101819, Adg8315nb 854283101827, Adg8317ix 854283701710, Adg8515av 854285101822, Adg8515wh 854285101830, Adg8531/ix 854285129830, Adg8532/1nb 854285561822, Adg8532/1wh 854285561830, Adg8532/1wh 854285561832, Adg8532/1wh 854285561839, Adg8532/2ix 854285229831, Adg8532/2nb 854285229810, Adg8532/2nb 854285229811, Adg8532/2wh 854285229829, Adg8533/1fd 854285429870, Adg8533/ix 854285429841, Adg8533/wh 854285429821, Adg8533/wh 854285429829, Adg8536/1nb 851185310827, Adg853pt 854285429880, Adg8555/ix 854255529760, Adg8555/nb.

Warranty and Support

All items sold benefit from the legal guarantee of conformity and the guarantee against hidden defects, as per applicable consumer protection laws.

For technical support or further inquiries regarding this capacitor or its compatibility, please contact the manufacturer or your appliance service provider. When contacting support, please have your dishwasher's model number and the capacitor's model number (8058331181921) ready.

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