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Whirlpool W11428524

Whirlpool W11428524 Top Load Washer Run Capacitor Instruction Manual

Genuine OEM Replacement Part

Overview Safety Information Installation Specifications Warranty & Support

1. Product Overview

The Whirlpool W11428524 Genuine OEM Top Load Washer Run Capacitor is a critical replacement component designed to ensure the proper functioning of your top load washing machine. This capacitor briefly increases the voltage to the motor, providing the necessary boost to help the motor start efficiently.

This part is a direct replacement for part numbers W10866238, W11162561, and W11175257, ensuring compatibility and reliable performance with various Whirlpool, Maytag, KitchenAid, and JennAir models.



Figure 1: Whirlpool W11428524 Top Load Washer Run Capacitor. This image shows the cylindrical metal capacitor with a mounting bracket and electrical terminals on one end.

2. Important Safety Information

WARNING: Before attempting any repair or installation, always prioritize safety to prevent serious injury or damage to the appliance.

- **Disconnect Power:** You must unplug the appliance or shut off the house circuit breaker before installing this part. Failure to do so can result in electric shock or death.
- **Turn Off Water Supply:** Make sure you turn off the hot and cold water supplies to the washing machine before beginning any work.
- **Discharge Capacitor:** Capacitors can store a significant electrical charge even after power is disconnected. It is crucial to safely discharge the old capacitor before handling it. Consult a qualified technician or refer to specific appliance service manuals for proper discharge procedures.
- **Personal Protective Equipment:** Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during the repair process.
- **Qualified Technician:** Replacing this part requires basic hand tools, some disassembly of the appliance, and novice repair experience. If you are unsure about any step, it is recommended to consult a qualified appliance repair technician.

3. Installation Instructions

This section provides general guidance for replacing the run capacitor. Specific steps may vary depending on your washing machine model. Always refer to your appliance's service manual for detailed, model-specific instructions.

3.1 Tools Required

- Basic hand tools (e.g., screwdrivers, nut drivers, pliers)
- Multimeter with capacitance testing function (recommended for testing old/new capacitor)
- Insulated screwdriver or resistor for safely discharging capacitor (if not using a multimeter)

3.2 Replacement Procedure

1. **Prepare the Appliance:**
    - Unplug the washing machine from the electrical outlet.
    - Turn off the hot and cold water supply valves to the washer.
    - Move the washer away from the wall to access the rear or side panels.
2. **Access the Capacitor:**
    - Depending on your washer model, you may need to remove the back panel, top panel, or front panel to gain access to the motor and capacitor. Refer to your washer's service manual for exact panel removal instructions.
    - Locate the run capacitor, which is typically a cylindrical component connected to the motor.
3. **Discharge the Old Capacitor:**

    This is a critical safety step. Using an insulated screwdriver with a well-insulated handle, short the terminals of the old capacitor by touching both terminals simultaneously. You may hear a pop or see a small spark. Alternatively, use a multimeter with a capacitance discharge function or a suitable resistor. Ensure the capacitor is fully discharged before proceeding.
4. **Disconnect the Old Capacitor:**
    - Carefully note the wiring connections to the old capacitor. It is highly recommended to take a photograph before disconnecting.
    - Disconnect the wires from the terminals of the old capacitor.

- Unmount the old capacitor from its bracket or housing.

5. **Install the New Capacitor:**
   - Mount the new Whirlpool W11428524 capacitor in the same location and orientation as the old one.
   - Connect the wires to the terminals of the new capacitor, ensuring they match the original connections.
6. **Reassemble and Test:**
   - Carefully reassemble any panels or components that were removed.
   - Reconnect the washing machine to the electrical outlet.
   - Turn on the hot and cold water supplies.
   - Run a short wash cycle to verify that the washer motor starts and operates correctly.

4. Maintenance

The Whirlpool W11428524 Run Capacitor is a sealed component and does not require routine maintenance. Its lifespan is typically determined by operational conditions and electrical load. If the washing machine exhibits starting issues again after replacement, further diagnosis of the motor or other electrical components may be necessary.
Helpful Tip: While not directly related to the capacitor, Whirlpool recommends usingaffresh® Washing Machine Cleaner Tablets (item W10135699) once a month. This helps reduce odor-causing residue that can build up in your washing machine's drain without proper care, contributing to the overall longevity and cleanliness of your appliance.

5. Troubleshooting

If your washing machine continues to experience issues after replacing the run capacitor, consider the following:

Symptom	Possible Cause	Action
Washer motor hums but does not start or spin.	Incorrect capacitor installation, faulty new capacitor, or motor issues.	Verify wiring connections. Test the new capacitor with a multimeter. If the capacitor tests good, the motor may be faulty and require professional diagnosis.
Washer does not power on at all.	Power supply issue, main control board failure, or other electrical component failure.	Check circuit breaker and power cord. This symptom is unlikely to be caused by the run capacitor.
Burning smell or smoke from washer.	**Immediately unplug the appliance.** Do not operate. Contact a qualified technician.	Overheated motor, short circuit, or other electrical fault.

For complex issues or if you are unsure about diagnosis, it is always best to contact Whirlpool customer support or a certified appliance repair technician.

6. Product Specifications

Attribute	Detail
Part Number	W11428524
Replaces Part Numbers	W10866238, W11162561, W11175257

Attribute	Detail
Brand	Whirlpool
Manufacturer	Whirlpool
Item Weight	8 ounces
Product Dimensions	4.25 x 3 x 2 inches
Material Type	Aluminum
Included Components	Whirlpool W11428524 Genuine OEM Top Load Washer Run Capacitor
Access Location	Front Load (*Note: This refers to the washer type the part is compatible with, not the capacitor's installation location.*)
Mounting Type	Snap-In Mount
Upper Temperature Rating	40 Degrees Celsius

7. Warranty and Support

7.1 Warranty Information

Whirlpool Genuine OEM Parts, including the W11428524 Run Capacitor, come with a**One-Year Warranty**. This warranty covers defects in material and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.
For detailed warranty terms and conditions, please refer to the official Whirlpool warranty documentation that came with your original appliance or visit the official Whirlpool website.

7.2 Customer Support

If you require further assistance with installation, troubleshooting, or warranty claims, please contact Whirlpool Customer Support:

- **Whirlpool Official Website:** www.whirlpool.com/owners.html
- **Whirlpool Store on Amazon:** Visit the Whirlpool Store
- Refer to your original appliance manual for specific contact numbers or service scheduling.

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