

## Whirlpool W10117655

# Whirlpool WPW10117655 Dryer Start Relay Switch User Manual

Model: W10117655

[Introduction](#)

[Safety Information](#)

[Installation](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty](#)

[& Support](#)

## 1. INTRODUCTION

This manual provides essential information for the Whirlpool WPW10117655 Dryer Start Relay Switch. This component is a genuine OEM replacement part designed to ensure proper operation of your dryer. It is compatible with various Whirlpool dryer models, including MED5630TQ, MGD5720TQ0, MGD5821TW0, WED4900XW0, and MED5721TQ0.

The start relay switch is crucial for initiating the dryer's motor, allowing the appliance to begin its drying cycle. Proper installation and maintenance are vital for the longevity and safe operation of your dryer.

## 2. PRODUCT OVERVIEW

The Whirlpool WPW10117655 is a push-to-start switch that functions as a relay for the dryer motor. When activated, it sends a signal to the motor, allowing it to spin and begin the drying process. This part is manufactured to Whirlpool's internal specifications, ensuring compatibility and reliable performance with specified dryer models.



Figure 2.1: Front view of the Whirlpool WPW10117655 Dryer Start Relay Switch, showing the push button and electrical terminals.

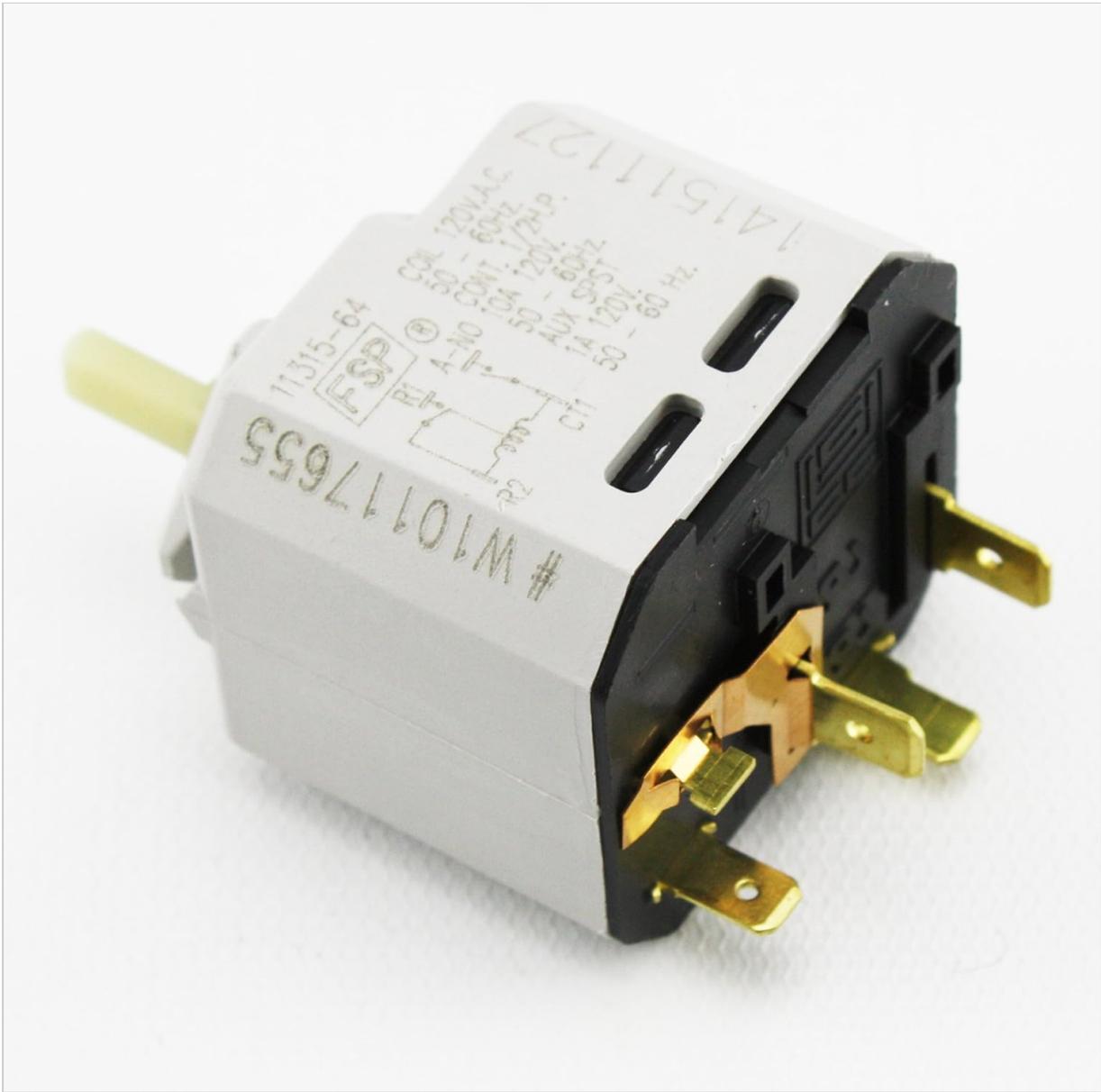


Figure 2.2: Angled view of the start relay switch, highlighting the housing and connection points.



Figure 2.3: Side view of the start relay switch, showing the mounting tab and the push-button mechanism.

### 3. SAFETY INFORMATION

---

**WARNING:** Before attempting any repair or installation, always disconnect power to the dryer by unplugging it or turning off the circuit breaker. Failure to do so can result in electrical shock, serious injury, or death.

- Wear appropriate personal protective equipment (PPE), such as gloves and safety glasses.
- Ensure the work area is well-lit and clear of obstructions.
- If you are not comfortable performing the repair, consult a qualified appliance technician.
- Keep children and pets away from the work area.
- Only use genuine replacement parts specified for your appliance model.

### 4. INSTALLATION

---

This section provides general guidance for replacing a dryer start relay switch. Specific steps may vary depending on your dryer model. Always refer to your appliance's service manual or a reputable repair guide for detailed, model-specific instructions.

## Required Tools:

- Screwdriver (Phillips and/or flathead)
- Nut driver or socket set (if applicable)
- Needle-nose pliers
- Multimeter (for testing, optional but recommended)

## General Installation Steps:

1. **Disconnect Power:** Unplug the dryer from the electrical outlet or turn off the circuit breaker supplying power to the dryer.
2. **Access the Switch:** Depending on your dryer model, you may need to remove the top panel, front panel, or control panel to access the start relay switch. Refer to your dryer's service manual for exact access procedures.
3. **Locate the Old Switch:** Identify the existing start relay switch. It is typically located near the control panel or behind the start button.
4. **Disconnect Wiring:** Carefully note or photograph the wiring connections to the old switch. Disconnect all wires from the terminals of the old switch.
5. **Remove Old Switch:** Unscrew or unclip the old switch from its mounting bracket.
6. **Install New Switch:** Position the new Whirlpool WPW10117655 start relay switch in the mounting bracket and secure it.
7. **Reconnect Wiring:** Connect the wires to the terminals of the new switch exactly as they were connected to the old one. Ensure all connections are secure.
8. **Reassemble Dryer:** Reattach any panels or components that were removed to access the switch.
9. **Restore Power:** Plug the dryer back into the electrical outlet or turn on the circuit breaker.
10. **Test Operation:** Press the start button to verify that the dryer motor engages and the dryer begins its cycle.

*Note: If you encounter any difficulties or are unsure about any step, it is recommended to seek assistance from a qualified appliance repair technician.*

## 5. OPERATING INSTRUCTIONS

---

The WPW10117655 Dryer Start Relay Switch is an internal component that facilitates the starting of your dryer. It does not have user-adjustable settings or direct operational controls. Its function is integrated into the dryer's overall operation.

Once correctly installed, the start relay switch activates when the dryer's start button is pressed, sending power to the motor to initiate the tumbling action. The user's interaction with this component is limited to pressing the dryer's main start button as part of normal dryer operation.

## 6. MAINTENANCE

---

The Whirlpool WPW10117655 Dryer Start Relay Switch is a sealed electrical component and does not require routine user maintenance. Its lifespan is generally determined by usage and environmental factors within the dryer.

- **Keep Dryer Clean:** Regularly clean the lint filter and exhaust vent of your dryer to prevent overheating, which can stress electrical components.
- **Inspect Wiring:** During any other dryer maintenance or repair, visually inspect the wiring connected to the start relay for signs of wear, corrosion, or loose connections. Ensure power is disconnected

before inspection.

- **Avoid Overloading:** Overloading the dryer can put undue strain on the motor and its starting components, potentially shortening their lifespan.

## 7. TROUBLESHOOTING

If your dryer is experiencing issues related to starting, the start relay switch may be a contributing factor. Here are common symptoms associated with a faulty start relay:

- **Dryer Does Not Start:** When you press the start button, the dryer makes no sound or attempt to start.
- **Humming Sound, No Start:** The dryer hums when the start button is pressed but the drum does not spin. This could indicate the motor is receiving power but not engaging, potentially due to a faulty relay or motor.
- **Intermittent Starting:** The dryer starts sometimes but not always, requiring multiple attempts to get it running.

**Before replacing the start relay switch, consider checking other common issues:**

- **Power Supply:** Ensure the dryer is plugged in and receiving power. Check the circuit breaker.
- **Door Switch:** The dryer will not start if the door switch is faulty or the door is not fully closed.
- **Thermal Fuse:** A blown thermal fuse will prevent the dryer from starting.
- **Drive Belt:** A broken drive belt can prevent the drum from spinning, though the motor might still hum.

If these other components are functioning correctly, and you observe the symptoms listed above, the start relay switch may need replacement. Professional diagnosis is recommended if you are unsure.

## 8. SPECIFICATIONS

| Feature             | Detail                   |
|---------------------|--------------------------|
| Brand               | Whirlpool                |
| Model Number        | W10117655 (WPW10117655)  |
| Part Type           | Dryer Start Relay Switch |
| Connector Type      | Screw                    |
| Contact Material    | Steel                    |
| Contact Type        | Normally Closed          |
| Current Rating      | 1 Microamps              |
| Mounting Type       | Screw Mount              |
| Operation Mode      | Automatic                |
| Number of Terminals | 2                        |
| Item Weight         | 0.8 ounces               |
| Product Dimensions  | 1.5 x 1.5 x 1.5 inches   |

| Feature | Detail       |
|---------|--------------|
| UPC     | 048172046600 |

## 9. WARRANTY AND SUPPORT

---

As a genuine OEM replacement part, the Whirlpool WPW10117655 Dryer Start Relay Switch is typically covered under the warranty terms provided by Whirlpool for their replacement parts. Specific warranty duration and conditions may vary. Please retain your proof of purchase.

For detailed warranty information, technical support, or to locate authorized service providers, please visit the official Whirlpool website or contact their customer service directly.

- **Whirlpool Official Website:** [www.whirlpool.com](http://www.whirlpool.com)
- **Customer Service:** Refer to your original appliance manual or the Whirlpool website for current contact information.

When contacting support, please have your dryer's model and serial number, as well as the part number (WPW10117655), readily available.

© 2023 Whirlpool Corporation. All rights reserved.

This manual is for informational purposes only. Whirlpool is not responsible for any damage or injury caused by improper installation or repair.