Whirlpool 279457

Whirlpool 279457 Wire Kit Instruction Manual

Genuine Replacement Part for Appliance Repair

Introduction

This document provides essential instructions for the proper installation, function, and maintenance of the Whirlpool 279457 Wire Kit. This is a genuine replacement part designed for specific appliance repair applications, primarily in dryers. Understanding its correct application and handling is crucial for safe and effective operation.

The Whirlpool 279457 Wire Kit is a genuine replacement part. It is designed to replace a damaged or worn wire connection within an appliance, often associated with heating elements in dryers. This kit includes a wire with a pre-attached terminal and a wire nut for secure connections.



Image: The Whirlpool 279457 Wire Kit, featuring a red insulated wire with a pre-crimped female spade connector and a separate yellow wire nut for splicing.

Safety Information

WARNING: Before attempting any repair or installation, ensure the appliance is disconnected from its power source. Failure to do so can result in electric shock, injury, or death. If you are unsure about any step, consult a qualified technician.

- Always disconnect power to the appliance before beginning work.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- Ensure all connections are secure and properly insulated to prevent electrical hazards.
- Use only genuine replacement parts to maintain appliance integrity and safety.

Setup and Installation

This wire kit is typically used to replace a damaged wire connecting to a heating element or thermal fuse in a dryer. The following steps outline a general installation process. Specific appliance models may vary.

1. **Power Disconnection:** Unplug the dryer from the electrical outlet or turn off the circuit breaker supplying power to the dryer.
2. **Access the Component:** Carefully open the dryer's access panels to reach the damaged wire and the component it connects to (e.g., heating element, thermal fuse). Refer to your dryer's service manual for specific panel removal instructions.
3. **Identify Damaged Wire:** Locate the wire that needs replacement. Often, damaged wires show signs of burning, melting, or corrosion, especially near the terminal connection.
4. **Remove Old Wire:** Disconnect the old wire from the component. If the terminal is fused or broken, carefully remove any remaining pieces. Cut the old wire a few inches back from the damaged section, ensuring enough length to splice the new wire.
5. **Prepare New Wire:** The Whirlpool 279457 wire has a pre-attached female spade connector on one end and bare wire on the other. Ensure the bare end is stripped of insulation for approximately 1/2 inch to allow for a secure splice.
6. **Splice Connection:** Twist the bare end of the new wire together with the cut end of the existing dryer harness wire. Ensure a tight, secure twist.
7. **Secure with Wire Nut:** Place the provided yellow wire nut over the twisted wires and turn it clockwise until it is firmly seated and the connection is secure. Tug gently on the wires to confirm the connection is solid and no bare wire is exposed.
8. **Connect Terminal:** Attach the female spade connector of the new wire to the corresponding male terminal on the appliance component (e.g., heating element terminal). Ensure it is pushed on firmly and snugly. A loose connection can lead to overheating and future failure.
9. **Route and Secure:** Route the new wire carefully, ensuring it does not touch any moving parts or sharp edges. Use cable ties if necessary to secure it away from potential hazards.
10. **Reassemble:** Replace all access panels and screws removed earlier.
11. **Test:** Restore power to the dryer and test its function to ensure the repair was successful.

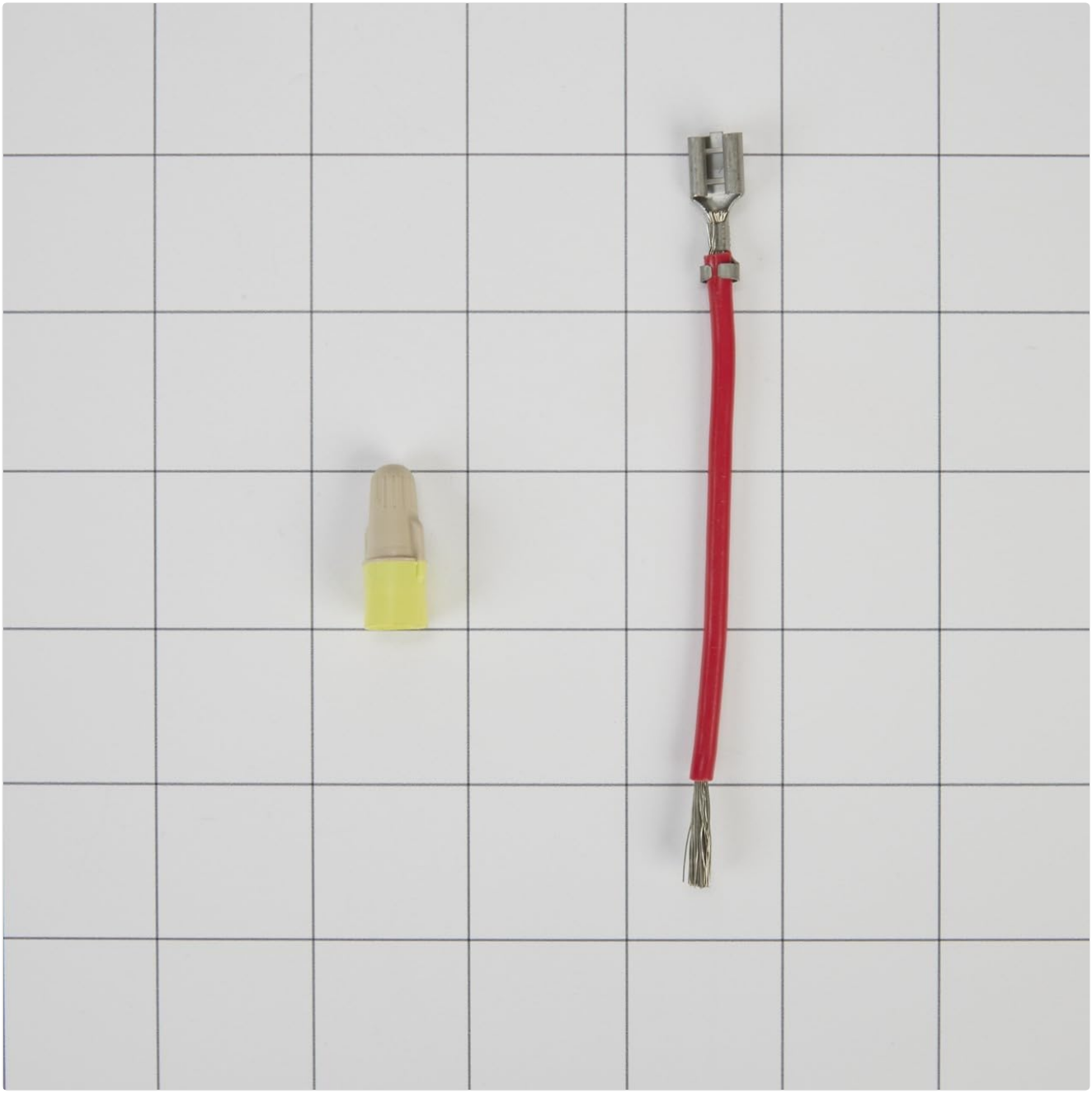


Image: The Whirlpool 279457 Wire Kit, displayed against a grid, highlighting the wire's length and the components for connection.

Operating Principles

The Whirlpool 279457 Wire Kit functions as an electrical conductor, transmitting power to a specific component within an appliance. Its primary role is to ensure a reliable and safe electrical connection. When properly installed, it facilitates the flow of electricity necessary for the component's operation, such as a dryer's heating element. This wire is designed to withstand the electrical load and temperature conditions typical for its intended application. Its proper function relies on secure connections at both ends, preventing resistance buildup that could lead to overheating.

Maintenance

As a static electrical component, the Whirlpool 279457 Wire Kit requires minimal ongoing maintenance once correctly installed. However, periodic inspection can help ensure continued safe operation.

- **Visual Inspection:** During other appliance maintenance or if issues arise, visually inspect the wire and its connections for any signs of discoloration, melting, fraying, or loose terminals.

- **Connection Integrity:** Ensure the spade connector remains firmly attached to the appliance terminal and the wire nut connection is tight. Loose connections are a common cause of overheating and wire failure.
- **Cleanliness:** Keep the area around electrical connections free from lint, dust, and debris, especially in dryers, as these can pose fire hazards.

Troubleshooting

If your appliance experiences issues after replacing a wire with the Whirlpool 279457 Wire Kit, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Appliance not functioning (e.g., dryer not heating)	• Loose wire connection at the terminal or wire nut. • Incorrect wiring or component connection. • Other component failure (e.g., heating element, thermal fuse).	• Disconnect power and re-check all connections for tightness. • Verify the wire is connected to the correct terminal. • Inspect other related components for damage or failure.
Wire shows signs of burning or melting again	• Loose connection causing high resistance and heat. • Overload on the circuit. • Faulty component drawing excessive current.	• Ensure all connections are extremely tight and secure. • Consult a qualified technician to diagnose potential overloads or component failures. • Ensure the correct gauge wire is used for the application (this part is designed for specific applications).

If troubleshooting does not resolve the issue, it is recommended to contact a qualified appliance repair technician.

Specifications

- **Part Number:** 279457
- **Manufacturer:** Whirlpool
- **Item Weight:** 0.634 ounces
- **Product Dimensions:** 1.5 x 2.5 x 3.5 inches (packaging dimensions)
- **Color:** White (referring to the overall product, though the wire insulation is red)
- **Material:** ABS (likely referring to the wire nut or packaging, wire itself is conductive metal with insulation)
- **Item Package Quantity:** 1
- **Compatibility:** Genuine replacement part for various Whirlpool appliances, primarily dryers.

Warranty Information

The Whirlpool 279457 Wire Kit comes with a warranty as specified by the seller or manufacturer. Typically, this includes:

- **Returns:** 30-day returns policy.
- **Defective Returns:** 90-day defective returns policy.

Please retain your proof of purchase for any warranty claims. For detailed warranty terms and conditions, refer to the specific policies of your retailer or contact Whirlpool customer support.

Support and Genuine Parts

For further assistance, technical support, or to verify part compatibility, please contact Whirlpool customer service or visit their official website.
Using genuine OEM (Original Equipment Manufacturer) parts like the Whirlpool 279457 ensures compatibility, reliability, and safety for your appliance. These parts are designed and tested to meet the manufacturer's engineering standards.



Image: Official Whirlpool graphic emphasizing the importance of using genuine OEM parts for appliance quality and performance.
You can find more information about Whirlpool products and parts on theWhirlpool Store on Amazon.

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