Whirlpool W10316760

Whirlpool W10316760 Refrigerator Thermistor Assembly Instruction Manual

Model: W10316760

Introduction

This instruction manual provides essential information for the Whirlpool W10316760 Thermistor Assembly. This component is a genuine replacement part designed to maintain the correct temperature within your Whirlpool refrigerator. Please read this manual thoroughly before attempting any installation or repair to ensure safe and proper operation.

Safety Information

WARNING: Disconnect power to the appliance before servicing. Failure to do so may result in electrical shock, injury, or death.

- Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection.
- If you are not comfortable performing this repair, it is recommended to contact a qualified appliance technician.
- Ensure all connections are secure and properly insulated after installation.
- Keep children and pets away from the work area.

Product Overview

The Whirlpool W10316760 Thermistor Assembly is a temperature-sensing device crucial for the proper functioning of your refrigerator's cooling system. It monitors the internal temperature and sends signals to the control board, which then regulates the compressor and fan operations to maintain the desired temperature.



Image: The Whirlpool W10316760 Thermistor Assembly. This image shows the metallic sensor tip, the attached wiring, and a clear plastic connector cap. The sensor tip is cylindrical, with a brass-colored end and a silver-colored clip securing it. A black wire extends from the sensor, terminating in two exposed wire ends. A separate clear plastic cap is visible next to the sensor.

Installation

The installation process for a thermistor assembly can vary depending on the specific refrigerator model. The following steps are general guidelines. Always refer to your appliance's specific service manual for detailed instructions.

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Thermistor:** Locate the existing thermistor. This often involves removing interior panels in the refrigerator or freezer compartment. Tools such as screwdrivers may be required.
3. **Remove Old Thermistor:** Carefully disconnect the wiring from the old thermistor. Note the routing and connection points. The thermistor itself may be clipped into place or secured with a bracket.
4. **Install New Thermistor:** Connect the new W10316760 Thermistor Assembly. Ensure the wires are securely attached and properly insulated. Position the thermistor in the same location as the original part.

5. **Reassemble:** Replace any panels or covers that were removed.
6. **Restore Power:** Plug the refrigerator back in or turn on the circuit breaker.
7. **Test Operation:** Monitor the refrigerator's temperature over the next few hours to ensure it is maintaining the correct settings.

Note: Some installations may require crimping tools for wire connections if the new part does not come with identical connectors to the original.

Function and Operation

The thermistor assembly operates continuously to provide accurate temperature readings to the refrigerator's control system. It is a passive component that changes its electrical resistance based on temperature. This resistance change is interpreted by the control board to determine if cooling is needed. There are no user-adjustable settings or operational steps for the thermistor itself; its function is automatic and integral to the appliance's temperature regulation.

Maintenance

The Whirlpool W10316760 Thermistor Assembly is designed to be maintenance-free. However, ensuring the area around the thermistor is clean and free from obstructions can help it function optimally. Avoid bending or damaging the sensor tip or wiring during routine cleaning or other appliance maintenance.

Troubleshooting

If your refrigerator is experiencing temperature-related issues after replacing the thermistor, consider the following:

- **Incorrect Temperature:** If the refrigerator is too warm or too cold, verify that the new thermistor is correctly installed and its wires are securely connected. Ensure the thermistor is positioned in the intended location within the appliance.
- **Appliance Not Cooling:** Check other components of the cooling system, such as the compressor, condenser fan, and evaporator fan. A thermistor issue typically results in incorrect temperature regulation, not a complete lack of cooling.
- **Error Codes:** Consult your refrigerator's user manual for specific error codes that might indicate a thermistor malfunction or other system issues.

If problems persist, it is advisable to consult a qualified appliance repair technician.

Specifications

Brand	Whirlpool
Model Number	W10316760
Part Type	Thermistor Assembly
Item Weight	0.02 Pounds (approx. 0.32 ounces)
Product Dimensions	3 x 2.19 x 0.88 inches
Installation Method	Freestanding (referring to appliance type)
Certification	[YES]

Warranty Information

As a genuine replacement part, the Whirlpool W10316760 Thermistor Assembly is typically covered under the standard warranty terms for Whirlpool replacement parts. Please refer to your original appliance's warranty documentation or contact Whirlpool customer service for specific warranty details regarding replacement components.

Support

For further assistance, technical support, or to locate a certified service technician, please visit the official Whirlpool website or contact Whirlpool customer service directly. Have your appliance's model and serial number ready when contacting support.
Official Whirlpool Website: www.whirlpool.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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