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› Supco TH6760 Refrigerator Freezer Thermistor Instruction Manual

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Supco TH6760 Refrigerator Freezer Thermistor Instruction Manual

Model: TH6760 | Brand: Supco

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Supco TH6760 Refrigerator Freezer Thermistor. This component is designed as a replacement part for various refrigerator and freezer models, including those from Whirlpool, KitchenAid, and Kenmore, specifically replacing part number W10316760.

2. SAFETY INFORMATION

Before attempting any installation or repair, please read and understand all safety precautions. Failure to follow these instructions may result in personal injury or property damage.

- **Disconnect Power:** Always disconnect the appliance from its power source before beginning any service or installation.
- **Professional Installation Recommended:** If you are not comfortable with appliance repair, it is highly recommended to seek assistance from a qualified technician.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection, during installation.
- **Handle with Care:** The thermistor is a sensitive electronic component. Handle it carefully to avoid damage.

3. PRODUCT OVERVIEW AND COMPONENTS

The Supco TH6760 is a thermistor assembly approximately 5 inches in length, designed to monitor temperature within a refrigerator or freezer. It typically consists of a sensor probe, wiring, and a connector.



Figure 3.1: Overall view of the Supco TH6760 thermistor assembly, showing the sensor, wire, and a blue wire connector.



Figure 3.2: Close-up of the thermistor sensor, which is a gold-colored cylindrical component, attached to a metal clip for mounting.



Figure 3.3: Detail of the black insulated wire, showing the stripped ends ready for connection.



Figure 3.4: A transparent blue wire connector, typically used for splicing wires securely.



Figure 3.5: The product packaging for the Supco TH6760, displaying the model number, brand logo, and UPC barcode (0687152294091).

4. COMPATIBILITY

The Supco TH6760 thermistor is a direct replacement for Whirlpool part number W10316760 and is compatible with various models from the following brands:

- Whirlpool
- Maytag
- KitchenAid
- Kenmore

It also replaces the following part numbers:

- AP4538142
- W10323459
- WPW10323459

- 12791417
- 12791417SP
- 12791419SP
- 1876627
- AH2580944
- EA2580944
- PS2580944
- W10280385
- W10280386
- W10308052
- W10316760VP
- W10438639
- W10438761
- W10452402

Always verify compatibility with your specific appliance model before purchasing and installing.

5. SETUP AND INSTALLATION

The installation of a refrigerator freezer thermistor typically involves accessing the appliance's control panel or freezer compartment. Due to variations in appliance design, specific steps may differ. The following is a general guide:

1. **Disconnect Power:** Unplug the refrigerator or turn off the circuit breaker supplying power to the appliance.
2. **Access the Old Thermistor:** Locate the existing thermistor. This may require removing shelves, ice maker components, or access panels within the freezer or fresh food compartment.
3. **Remove the Old Thermistor:** Carefully disconnect the old thermistor from its wiring harness and mounting location. Note its exact position and how it was routed.
4. **Install the New Thermistor:** Connect the new Supco TH6760 thermistor to the wiring harness. Ensure connections are secure. Mount the new thermistor in the same location and orientation as the original.
5. **Reassemble:** Replace any removed panels, shelves, or components.
6. **Restore Power:** Plug the appliance back in or turn on the circuit breaker.
7. **Test Operation:** Monitor the refrigerator/freezer temperature to ensure proper function.

For detailed, model-specific instructions, consult your appliance's service manual or a qualified technician.

6. OPERATION

A thermistor is a type of resistor whose resistance is strongly dependent on temperature. In a refrigerator or freezer, the thermistor continuously measures the internal temperature and sends this data to the appliance's control board. The control board then uses this information to regulate the compressor and defrost cycles, maintaining the desired temperature settings for optimal food preservation.

7. MAINTENANCE

The Supco TH6760 thermistor itself is a sealed component and does not require routine maintenance. However, ensuring the area around the thermistor is free from ice buildup or obstructions can help it accurately sense temperature. Regular cleaning of your refrigerator and freezer, as per your appliance manufacturer's guidelines, is recommended.

8. TROUBLESHOOTING

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

- **Incorrect Installation:** Double-check that the thermistor is securely connected and mounted in the correct location.
- **Wiring Issues:** Inspect the wiring for any loose connections or damage.
- **Other Component Failure:** A faulty thermistor is one cause of temperature issues, but other components like the control board, compressor, or defrost heater could also be at fault.
- **Appliance Specific Diagnostics:** Many modern appliances have diagnostic modes that can help identify specific component failures. Consult your appliance's user manual.

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

9. SPECIFICATIONS

Feature	Specification
Model Number	TH6760
Brand	Supco
Item Length	Approximately 5 Inches
Outer Material	Plastic
Reusability	Reusable (as a replacement part)
Product Care Instructions	Freezer Safe, Wipe Clean
Indoor/Outdoor Usage	Indoor

10. WARRANTY AND SUPPORT

For specific warranty information regarding your Supco TH6760 thermistor, please refer to the product packaging or contact Supco customer support directly. Keep your proof of purchase for any warranty claims.

For technical assistance or further inquiries, please visit the official Supco website or contact their customer service department.

