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Frigidaire 134587700

GENUINE Frigidaire 134587700 Thermistor User Manual

Model: 134587700

1. Introduction

This manual provides essential information for the GENUINE Frigidaire 134587700 Thermistor. This component is a genuine replacement part designed for various Frigidaire, Crosley, Kenmore, and Electrolux appliances, primarily dryers. Understanding its function, proper installation, and maintenance is crucial for the optimal performance and longevity of your appliance.

2. Safety Information

WARNING: Before attempting any installation or repair, always disconnect the appliance from its power source to prevent electric shock or injury. Appliance repairs should only be performed by qualified technicians. Failure to follow these safety instructions could result in property damage, personal injury, or death.

- Always ensure the appliance is unplugged or the circuit breaker is turned off before beginning work.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- Handle the thermistor carefully to avoid damage to its sensitive components.
- If you are unsure about any step, consult a professional appliance repair technician.

3. Product Overview

The Frigidaire 134587700 Thermistor is a critical component in many Frigidaire and compatible brand appliances, particularly dryers. Its primary function is to monitor and regulate temperature within the appliance. By accurately sensing temperature changes, the thermistor sends signals to the control board, allowing the appliance to maintain desired operating temperatures and prevent overheating.



Image 3.1: Front view of the Frigidaire 134587700 Thermistor, showing its black plastic housing and two metal terminals.

This is a genuine OEM (Original Equipment Manufacturer) replacement part, ensuring compatibility and reliable performance with your appliance. It is designed to meet the exact specifications of the original part it replaces.



Image 3.2: Packaging or promotional image emphasizing the part number 134587700 and the Frigidaire brand, with a reminder to confirm the part number with the appliance manufacturer.

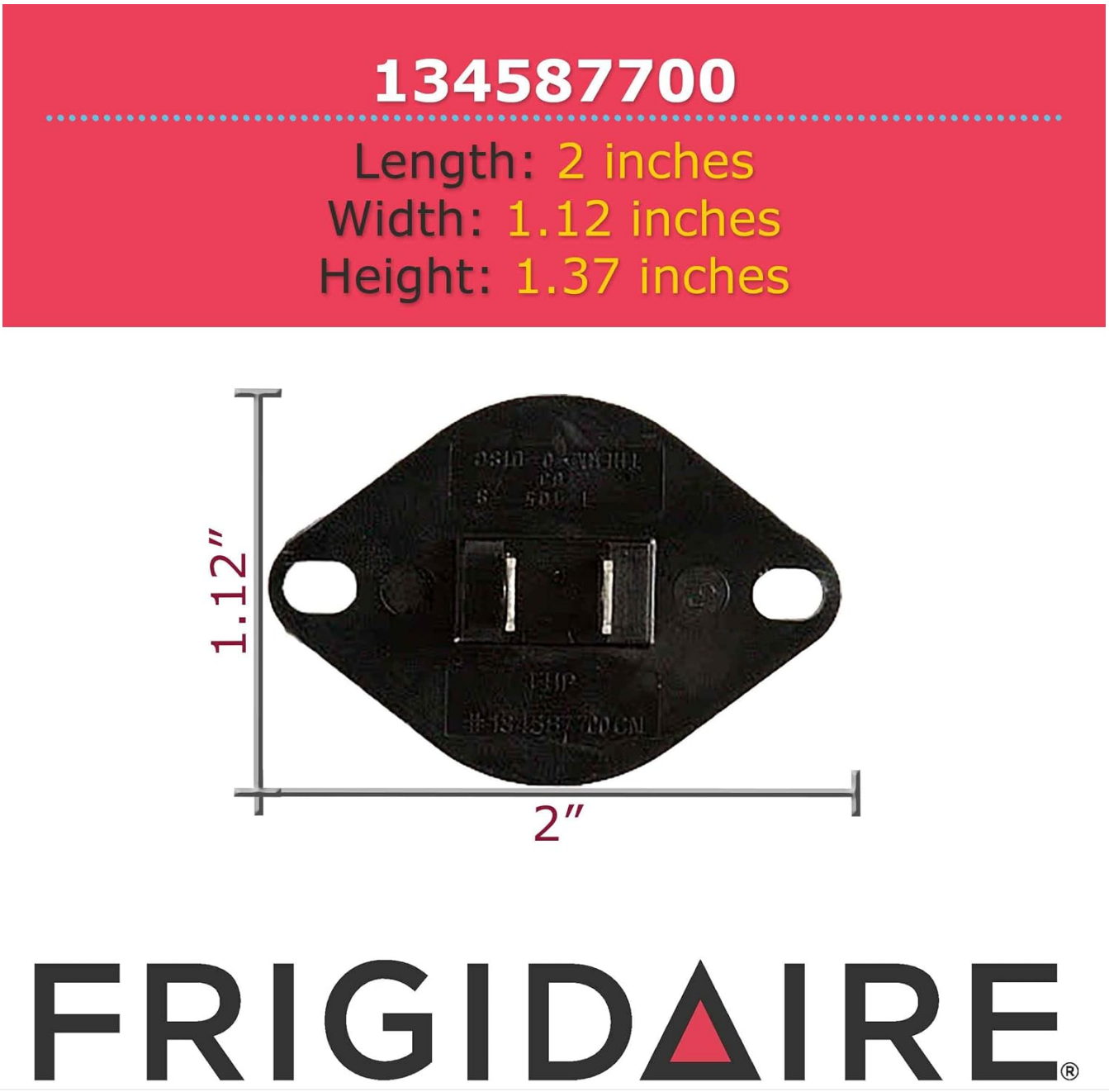


Image 3.3: Diagram showing the dimensions of the Frigidaire 134587700 Thermistor: Length 2 inches, Width 1.12 inches, Height 1.37 inches.

4. Installation

Installation of the Frigidaire 134587700 Thermistor typically involves accessing the internal components of the appliance where the original thermistor is located. Due to the varying designs of appliances and the electrical nature of the repair, professional installation is highly recommended.

General Steps (Consult Appliance Service Manual for Specifics):

1. **Disconnect Power:** Unplug the appliance from the wall outlet or turn off the corresponding circuit breaker.
2. **Access Thermistor:** Depending on the appliance model, you may need to remove panels (e.g., back panel, front panel, or drum access) to reach the thermistor.
3. **Locate and Disconnect Old Thermistor:** Identify the existing thermistor. Carefully disconnect any wiring harnesses or connectors attached to it.
4. **Remove Old Thermistor:** Unmount the old thermistor. It may be held in place by screws, clips, or simply inserted into a receptacle.
5. **Install New Thermistor:** Position the new Frigidaire 134587700 Thermistor in the same location and secure it

using the original fasteners.

6. **Connect Wiring:** Reconnect the wiring harness or connectors to the new thermistor, ensuring a secure and correct connection.
7. **Reassemble Appliance:** Replace any panels or components that were removed during access.
8. **Restore Power:** Plug the appliance back in or turn on the circuit breaker.
9. **Test Appliance:** Run a short cycle or test function to ensure the appliance operates correctly and the temperature regulation is functioning as expected.

Note: Specific tools such as screwdrivers, nut drivers, or pliers may be required for installation. Always refer to your appliance's specific service manual for detailed, model-specific instructions.

5. Operation

The Frigidaire 134587700 Thermistor operates passively within the appliance's control system. It functions as a variable resistor whose resistance changes significantly with temperature. As the temperature inside the appliance (e.g., dryer drum) fluctuates, the thermistor's resistance changes, which is then read by the appliance's control board. The control board uses this information to precisely manage heating elements, cooling fans, or other components to maintain the desired temperature range for optimal performance and safety.
A properly functioning thermistor ensures that your appliance operates efficiently, prevents overheating, and accurately completes its cycles based on temperature requirements.

6. Maintenance

The Frigidaire 134587700 Thermistor is a sealed electronic component and generally requires no routine maintenance. Its design is robust for long-term operation within the appliance's environment.

- **Cleaning:** If the thermistor becomes dusty or lint-covered during other appliance maintenance (e.g., lint trap cleaning in a dryer), gently wipe it clean with a dry, soft cloth. Do not use liquids or abrasive cleaners.
- **Inspection:** During any appliance servicing, visually inspect the thermistor and its wiring for signs of damage, corrosion, or loose connections.
- **Proper Handling:** When handling the thermistor, avoid bending the terminals excessively or subjecting the component to physical shock.

7. Troubleshooting

A faulty thermistor can lead to various issues in your appliance, as it directly impacts temperature regulation. Here are common symptoms and troubleshooting steps:

Common Symptoms of a Faulty Thermistor:

- **Appliance Not Heating:** In a dryer, if the thermistor fails open or provides an incorrect low-temperature reading, the heating element may not activate.
- **Appliance Overheating:** If the thermistor fails closed or provides an incorrect high-temperature reading, the control board might not shut off the heating element, leading to excessive heat.
- **Error Codes:** Many modern appliances display specific error codes related to temperature sensor malfunctions. Consult your appliance's user manual for a list of error codes.
- **Cycles Not Completing:** The appliance may stop prematurely or run for excessively long periods if it cannot accurately sense temperature.

Troubleshooting Steps:

1. **Power Cycle:** Disconnect power to the appliance for a few minutes, then restore it. This can sometimes reset the control board.
2. **Check Connections:** Ensure the thermistor's wiring harness is securely connected and free from corrosion or damage.
3. **Test Resistance (Advanced):** A multimeter can be used to test the thermistor's resistance at room temperature. Compare the reading to the specifications provided in your appliance's service manual. Resistance values typically decrease as temperature increases. *This step should only be performed by a qualified technician.*
4. **Replacement:** If the thermistor is confirmed to be faulty through testing or if symptoms persist after checking connections, replacement with a genuine part like the Frigidaire 134587700 is necessary.

If troubleshooting does not resolve the issue, or if you are uncomfortable performing these steps, contact a certified appliance repair technician.

8. Specifications

Attribute	Value
Brand	Frigidaire
Model Name / Part Number	134587700
Item Weight	0.16 ounces
Product Dimensions	1.5 x 2.5 x 3.5 inches
Outer Material	Plastic
Color	Black
Compatible Devices	FRIGIDAIRE, CROSLEY, KENMORE, ELECTROLUX
Manufacturer	Frigidaire
UPC	724137670003, 852664532270

9. Warranty and Support

As a genuine Frigidaire replacement part, the 134587700 Thermistor is subject to Frigidaire's standard warranty policies for replacement parts. For specific warranty details, including coverage period and terms, please refer to the documentation that came with your original appliance or contact Frigidaire customer support directly.
For further assistance, technical support, or to locate authorized service centers, please visit the official Frigidaire website or contact their customer service department. You can also visit the Frigidaire Store on Amazon for more product information and resources.

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