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Whirlpool W11050897

Whirlpool W11050897 High Limit Thermostat Instruction Manual

Model: W11050897

INTRODUCTION

The Whirlpool W11050897 High Limit Thermostat is a genuine OEM replacement part designed to ensure the safe and efficient operation of your appliance. This component plays a critical role in preventing overheating by monitoring temperature and interrupting power if a predetermined limit is exceeded. This manual provides important information regarding its function, installation, and maintenance.

IMPORTANT SAFETY INFORMATION

WARNING: Risk of Electric Shock or Injury.

- Always disconnect power to the appliance before attempting any installation, repair, or maintenance. Failure to do so can result in serious injury or death.
- Wear appropriate personal protective equipment (PPE), such as gloves and safety glasses, during installation.
- Installation and service should only be performed by a qualified technician. Improper installation can lead to appliance malfunction, property damage, or personal injury.
- Ensure all connections are secure and correctly wired according to the appliance's service manual.
- This part is designed for specific Whirlpool appliances. Using it in an incompatible appliance may cause damage or unsafe conditions.

PRODUCT OVERVIEW

The Whirlpool W11050897 is a high-limit thermostat, an essential safety device in many appliances, particularly dryers and water heaters. Its primary function is to act as a thermal fuse, cutting off power to the heating element if the internal temperature of the appliance exceeds a safe operating limit. This prevents overheating and potential fire hazards.







Image: The Whirlpool W11050897 High Limit Thermostat, a genuine OEM replacement part.

SPECIFICATIONS

Feature	Detail
Part Number	W11050897
Brand	Whirlpool
Item Weight	8.95 pounds
Product Dimensions	2.75 x 2.25 x 1.25 inches
Color	White
Item Package Quantity	1
Manufacturer	Whirlpool

INSTALLATION INSTRUCTIONS

WARNING: Ensure power is disconnected before proceeding. Professional installation is highly recommended due to electrical components and safety risks.

- Access the Thermostat:** Locate the high-limit thermostat within your appliance. This typically requires disassembling certain panels or components. Refer to your appliance's specific service manual for exact location and access procedures.
- Disconnect Wiring:** Carefully disconnect the electrical wires attached to the old thermostat. Note the position of each wire for correct reinstallation. Taking a photograph can be helpful.
- Remove Old Thermostat:** Unmount the old thermostat from its housing. This may involve unscrewing it or releasing clips.
- Install New Thermostat:** Mount the new Whirlpool W11050897 High Limit Thermostat in the same position as the old one. Ensure it is securely fastened.
- Reconnect Wiring:** Reattach the electrical wires to the new thermostat, ensuring they are connected to the correct terminals as noted in step 2. Double-check all connections for tightness.
- Reassemble Appliance:** Carefully reassemble any panels or components that were removed to access the thermostat.
- Test Appliance:** Restore power to the appliance and test its operation. Monitor for proper heating and ensure no error codes appear.

If you are unsure about any step, consult a certified appliance technician.

FUNCTIONALITY

The high-limit thermostat is a normally closed switch. It allows electrical current to flow to the heating element under normal operating temperatures. If the temperature inside the appliance, such as a dryer drum or water heater tank, rises above a safe threshold (e.g., due to a clogged vent or faulty heating element), the thermostat will open, interrupting the circuit and cutting power to the heating element. This prevents the appliance from overheating and causing damage or fire. Once the temperature drops to a safe level, the thermostat may reset automatically (auto-reset) or require manual resetting, depending on the specific design and appliance model. The W11050897 is typically a one-time thermal fuse, meaning if it trips, it needs to be replaced.

MAINTENANCE

High-limit thermostats are generally maintenance-free components. However, their failure often indicates an underlying issue with the appliance, such as:

- **Clogged Vents/Ducts:** For dryers, ensure lint filters are cleaned before every load and exhaust vents are clear and unobstructed.
- **Faulty Heating Element:** A continuously running or malfunctioning heating element can cause excessive temperatures.
- **Blower Wheel Issues:** A damaged or obstructed blower wheel can reduce airflow, leading to overheating.
- **Other Thermostats:** Other operating thermostats might be failing, causing the high-limit thermostat to trip.

Regularly inspect your appliance's ventilation and ensure proper airflow to prevent the high-limit thermostat from tripping prematurely.

TROUBLESHOOTING

If your appliance is not heating or is overheating, and you suspect the high-limit thermostat:

- **No Heat:** If the high-limit thermostat has tripped (opened the circuit), the heating element will not receive power, resulting in no heat. This often requires replacement of the thermostat and investigation of the root cause of overheating.
- **Overheating:** If the high-limit thermostat fails to trip when temperatures are excessive, the appliance may continue to overheat. This is a serious safety concern. Immediately disconnect power and seek professional assistance.
- **Continuity Test:** A qualified technician can use a multimeter to test the continuity of the thermostat. If there is no continuity at room temperature, the thermostat is faulty and needs replacement.

Always address the underlying cause of the thermostat tripping to prevent recurring issues and ensure safety.

GENUINE WHIRLPOOL PARTS INFORMATION

Whirlpool Corporation's family of appliances are known for their quality, durability, and innovation. In the rare event that you need to replace a part, only OEM parts are recommended by our brands. Genuine OEM W

Parts and W Accessories meet tested Whirlpool Corporation engineering standards and are crafted to help enable the longevity of your appliance. They are designed to fit perfectly and meet the exacting standards as the originals in your machine when it left the factory.

Your browser does not support the video tag.

Video: An official video from Whirlpool Service Parts highlighting the importance and quality of genuine OEM replacement parts for Whirlpool appliances.

WARRANTY AND SUPPORT

This Whirlpool W11050897 High Limit Thermostat comes with a 30-day return policy and a 90-day defective returns warranty. For specific warranty claims or technical support, please contact Whirlpool customer service or visit the official Whirlpool website. Always provide your appliance's model and serial number when seeking support.

For further assistance, you may visit the [Whirlpool Store on Amazon](#) or consult your appliance's original user manual.