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Anchilly KSD201 120-0 NC

Genuine Microwave Thermostat Thermal Fuse G KSD201 120-0 NC User Manual

Model: KSD201 120-0 NC | Brand: Anchilly

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Anchilly Genuine Microwave Thermostat Thermal Fuse G KSD201 120-0 NC. This component is designed to protect your microwave oven from overheating by interrupting the power supply if the internal temperature exceeds a safe limit. Understanding its function and correct application is crucial for appliance safety and longevity.

The KSD201 120-0 NC is a normally closed thermal fuse, meaning it maintains a closed circuit under normal operating temperatures and opens the circuit when its activation temperature is reached. This action cuts off power to the microwave, preventing potential damage or hazards.

2. SAFETY INFORMATION

WARNING: Before attempting any installation, repair, or maintenance on a microwave oven, ensure the appliance is completely disconnected from its power source. Microwave ovens contain high-voltage components that can store a lethal electrical charge even when unplugged. Only qualified technicians should perform repairs involving internal components.

- Always unplug the microwave oven before beginning any work.
- Discharge any capacitors before handling internal components.
- Wear appropriate personal protective equipment, including insulated gloves and safety glasses.
- Verify that the replacement part matches the original specifications for your microwave model.
- Improper installation can lead to electrical shock, fire, or damage to the appliance.

3. PRODUCT OVERVIEW

The Anchilly KSD201 120-0 NC Thermal Fuse is a critical safety component designed for microwave ovens. It features a compact design with two 3/16-inch male terminal spades for electrical connection and a mounting bracket for secure attachment within the appliance.

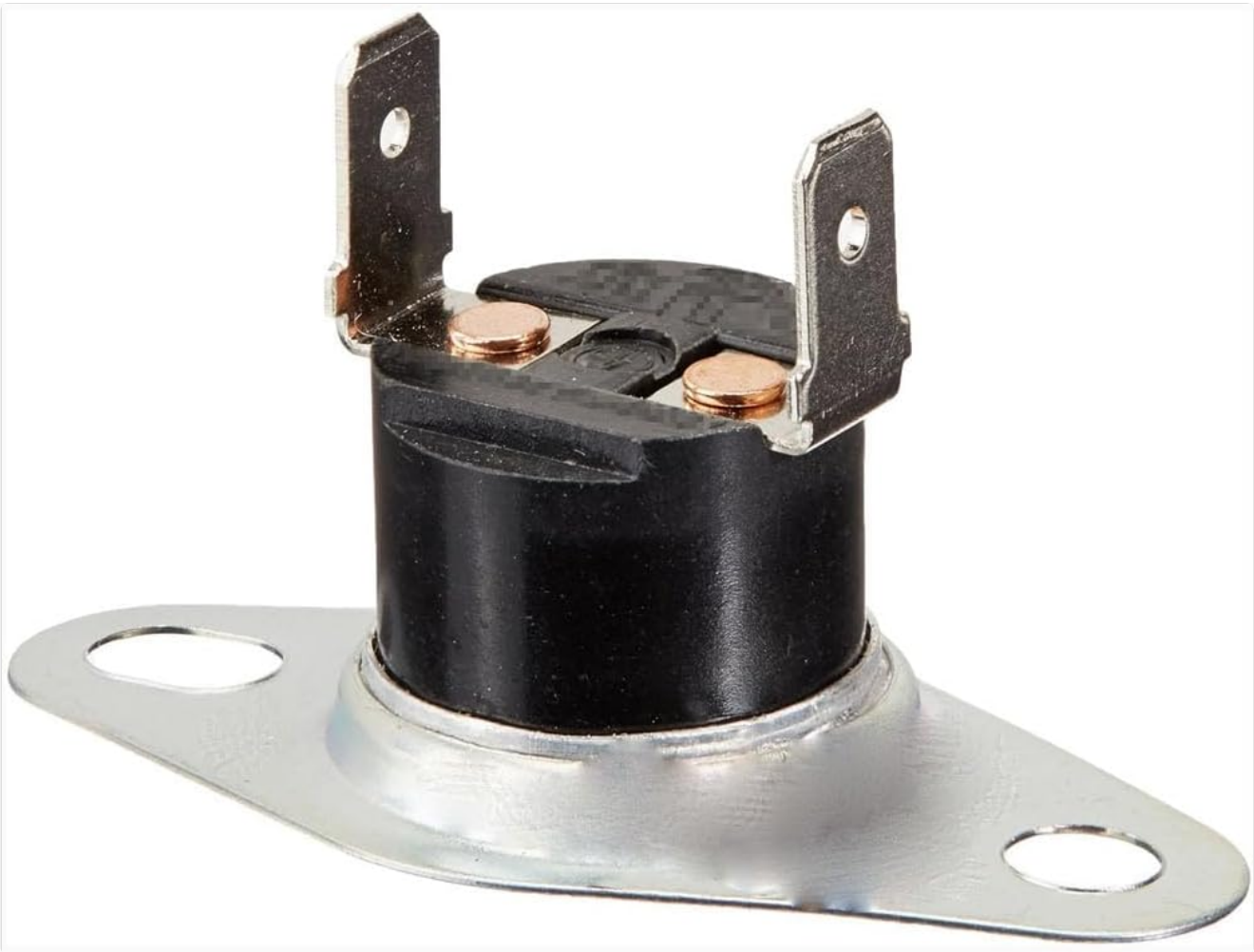


Figure 1: Side view of the KSD201 120-0 NC Thermal Fuse, showing the black body, metal mounting plate, and two terminal spades.



Figure 2: Top-down view of the KSD201 120-0 NC Thermal Fuse, highlighting the two electrical terminals and the circular body.

This fuse is rated for 120V and 10A, with an operating temperature range of 0-120°C. Its normally closed configuration ensures that it will open the circuit and cut power if the temperature exceeds 120°C.

4. SPECIFICATIONS

Feature	Specification
Model	KSD201 120-0 NC
Type	Thermostat Thermal Fuse
Configuration	Normally Closed (NC)

Feature	Specification
Rated Voltage	120 Volts
Maximum Current	10 Amperes
Operating Temperature Range	0-120°C (32-248°F)
Activation Temperature	120°C (248°F)
Terminal Type	3/16" Male Spade
Dimensions	1.18 x 0.79 x 0.87 inches
Weight	0.634 ounces
Material	Metal, Plastic
Color	Black

5. INSTALLATION AND REPLACEMENT

IMPORTANT: This procedure should only be performed by individuals with experience in appliance repair and electrical safety. Incorrect installation can result in serious injury or damage.

1. **Disconnect Power:** Unplug the microwave oven from the wall outlet. This is the most critical step.
2. **Access the Component:** Depending on your microwave model, you may need to remove the outer casing or specific panels to access the thermal fuse. Refer to your microwave's service manual for exact instructions.
3. **Locate the Existing Fuse:** Identify the thermal fuse that needs replacement. It is typically mounted near heat-generating components or exhaust ducts.
4. **Verify Part Compatibility:** Before removal, compare the new Anchilly KSD201 120-0 NC fuse with the existing one to ensure it is the correct replacement part. Pay attention to the terminal orientation and mounting style.
5. **Remove Old Fuse:** Carefully disconnect the electrical wires from the terminals of the old fuse. Note their original positions. Then, unmount the fuse from its bracket.
6. **Install New Fuse:** Mount the new Anchilly KSD201 120-0 NC fuse securely in the same location as the old one. Ensure the mounting is firm to allow proper heat transfer for accurate temperature sensing.
7. **Connect Wiring:** Reconnect the electrical wires to the 3/16" male spade terminals of the new fuse. Ensure connections are snug and correct.

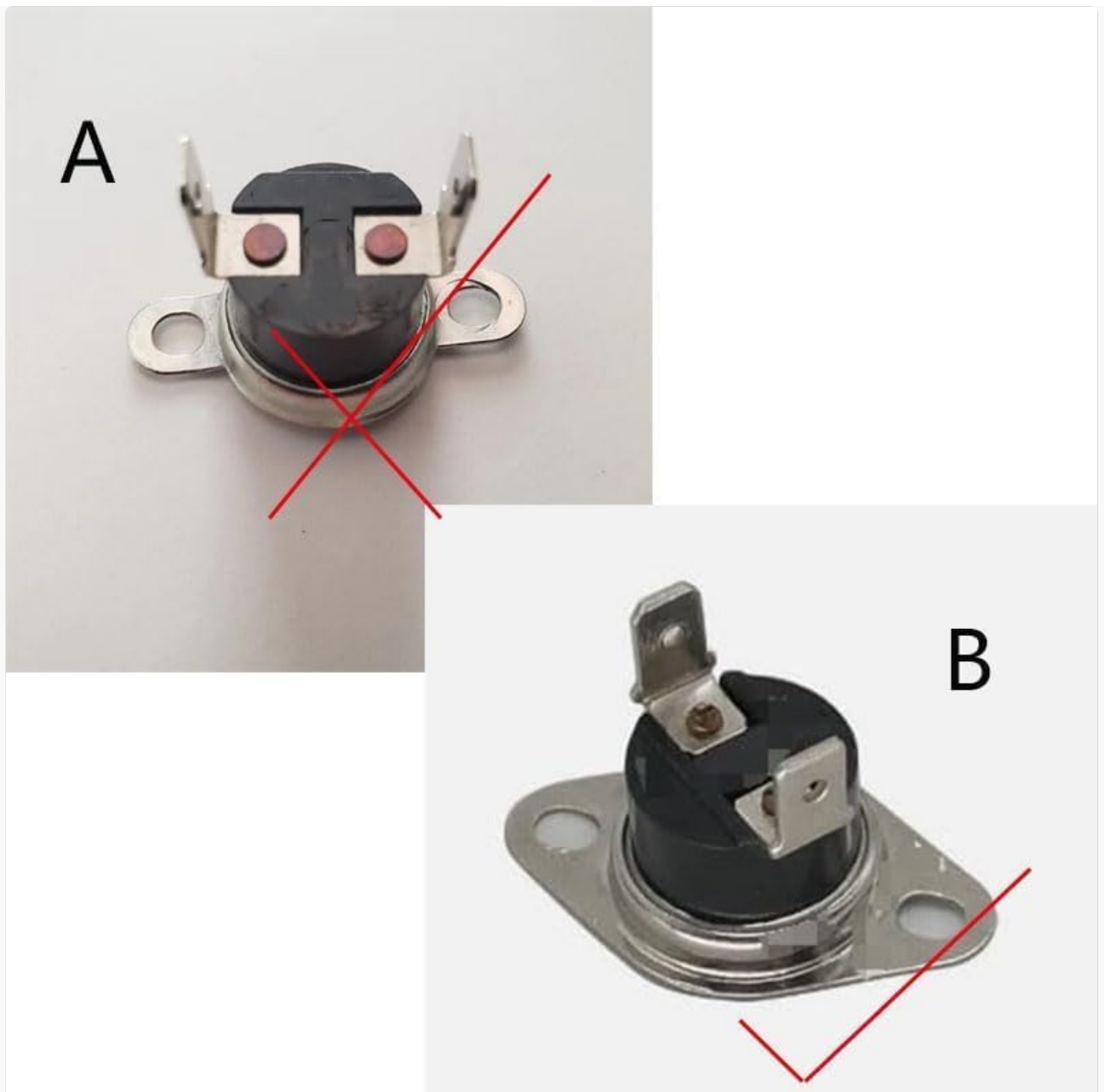


Figure 3: Illustration demonstrating the importance of correct terminal orientation and mounting for the thermal fuse. Ensure the replacement matches the original configuration (e.g., option B is correct, A is incorrect in this example).

7. **Reassemble:** Reattach any panels or the outer casing that were removed.
8. **Test:** Plug the microwave oven back into the wall outlet and test its functionality. Monitor for any unusual behavior.

6. OPERATION

The KSD201 120-0 NC thermal fuse operates automatically. Under normal conditions, it allows electrical current to flow through the microwave's circuit. If the temperature around the fuse reaches or exceeds 120°C, the internal mechanism of the fuse will open the circuit, cutting off power to the microwave. This is a safety measure to prevent overheating and potential fire hazards.

Once the fuse has tripped due to overheating, it will remain open. It is a non-resettable component and must be replaced if it has activated. The activation of this fuse indicates an underlying issue causing excessive heat, which should be investigated and resolved before replacing the fuse.

7. TROUBLESHOOTING

If your microwave oven is not functioning after replacing the thermal fuse, consider the following:

- **Incorrect Installation:** Double-check all wiring connections and ensure the fuse is securely mounted.
- **Underlying Issue Not Resolved:** The thermal fuse trips to protect against overheating. If the underlying cause of overheating (e.g., faulty magnetron, cooling fan issue, blocked vents) is not addressed, the new fuse may trip again or the microwave may still not operate correctly.
- **Other Faulty Components:** The product description explicitly states: "If the exhaust fan won't shut off, it is likely not due to this switch. In that case, another temperature control switch may be faulty." Ensure that the KSD201 120-0 NC was indeed the correct component to replace for your specific microwave issue. Other components like door switches, capacitors, or the magnetron could also be at fault.
- **Fuse Damage:** Inspect the new fuse for any physical damage that might have occurred during shipping or installation.

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

8. MAINTENANCE

The Anchilly KSD201 120-0 NC thermal fuse is a sealed, maintenance-free component. It does not require regular cleaning or lubrication. Its function is to act as a safety cutoff. If it activates, it indicates a problem within the microwave oven that needs attention, and the fuse itself must be replaced.

To ensure the longevity and proper function of your microwave and its safety components, regularly clean the microwave's interior and ensure ventilation openings are not obstructed. This helps prevent conditions that could lead to overheating.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Anchilly KSD201 120-0 NC Thermal Fuse, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your proof of purchase for any warranty claims.

For general inquiries or assistance with appliance repair, it is recommended to consult a certified appliance technician.

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This manual is for informational purposes only. Anchilly is not responsible for any damage or injury resulting from improper installation or use of this product.