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UpStart Components W10258275

UpStart Components W10258275 Bimetal Fuse Replacement

FOR KITCHENAID KUDS50FVSS3 DISHWASHER

Model: W10258275 | Brand: UpStart Components

1. Introduction

This instruction manual provides essential information for the safe and correct installation of the UpStart Components W10258275 Bimetal Fuse Replacement. This component is designed to replace the original bimetal fuse in compatible KitchenAid KUDS50FVSS3 dishwashers, ensuring proper thermal protection for the appliance. Please read this manual thoroughly before proceeding with installation.



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Image: The UpStart Components W10258275 Bimetal Fuse Replacement Kit, showing the fuse, wiring, and mounting accessories within its packaging.

2. Safety Information

WARNING: Electrical shock hazard. Disconnect power before servicing. Failure to do so can result in death or electrical shock.

- Always disconnect the dishwasher from its power source before attempting any repairs or installations.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- If you are unsure about any step of the installation process, consult a qualified appliance technician.
- Ensure all connections are secure and properly insulated after installation.

3. Package Contents

Verify that all the following components are included in your package:

- 1 x W10258275 Bimetal Fuse Assembly (with attached wiring and connectors)
- 2 x Mounting Zip Ties



Image: Individual components of the W10258275 Bimetal Fuse Replacement Kit, including the fuse with wiring and two mounting zip ties.

4. Installation

Follow these steps carefully to replace the bimetal fuse in your dishwasher:

1. **Disconnect Power:** Locate the circuit breaker for your dishwasher and turn off the power. Verify that the power is off by attempting to start the dishwasher.
2. **Access Dishwasher Components:** Depending on your dishwasher model, you may need to pull the dishwasher out from under the counter or remove the lower access panel to gain access to the fuse. Refer to your dishwasher's service manual for specific access instructions.
3. **Locate the Old Fuse:** The bimetal fuse is typically located near the heating element or control board, often attached to the dishwasher tub or frame. It will have two wires connected to it.
4. **Disconnect the Old Fuse:** Carefully disconnect the wires from the old fuse. Note the orientation of the wires if they are not identical. Remove any mounting clips or screws securing the old fuse.
5. **Install the New Fuse:** Connect the wires from the dishwasher to the new W10258275 bimetal fuse. Ensure the connections are secure. Mount the new fuse in the same location as the old one, using the provided zip ties or existing mounting hardware if applicable.
6. **Reassemble and Test:** Reattach any panels or components that were removed. Carefully slide the dishwasher back into place if it was moved. Restore power to the dishwasher at the circuit breaker. Run a short wash cycle to confirm proper operation and ensure there are no leaks or issues.

5. Operating Principle

The W10258275 Bimetal Fuse is a thermal safety device. It is designed to automatically interrupt the electrical circuit to the dishwasher's heating element or other critical components if the temperature inside the dishwasher exceeds a safe operating limit. This prevents overheating and potential damage to the appliance or a fire hazard. The fuse operates automatically and requires no user interaction during normal dishwasher operation.

6. Maintenance

The bimetal fuse itself is a sealed component and does not require routine maintenance. However, it is advisable to:

- Periodically inspect the fuse and its wiring for any signs of physical damage, corrosion, or loose connections during other dishwasher maintenance.
- If the fuse trips repeatedly, it indicates an underlying issue with the dishwasher, such as a faulty heating element, thermostat, or control board. Address the root cause rather than simply replacing the fuse again.

7. Troubleshooting

If your dishwasher is experiencing issues after fuse replacement, consider the following:

- **Dishwasher Not Starting or Heating:** Ensure all electrical connections to the fuse are secure. Verify that the circuit breaker for the dishwasher is on. If the fuse was recently replaced and the issue persists, the new fuse may have tripped due to an underlying problem, or there might be another faulty component.
- **Repeated Fuse Failure:** If the bimetal fuse trips frequently, it is a strong indicator of a more significant problem within the dishwasher, such as a malfunctioning heating element, a defective thermostat, or a short circuit. Continued replacement of the fuse without addressing the root cause is not recommended and can lead to further damage.
- **Loose Connections:** Always double-check that all wire connections are tight and properly seated.

For complex issues or if troubleshooting steps do not resolve the problem, it is recommended to contact a qualified appliance repair technician.

8. Specifications

Model Number	W10258275
Material	Bimetal
Compatibility	KitchenAid KUDS50FVSS3 Dishwasher and other models compatible with W10258275, AP4423189, 1549751, 661663, AH2360984, EA2360984, PS2360984, W10258275VP
Manufacturer	UpStart Components

9. Warranty and Support

This product is an UpStart Components Brand replacement part. Any warranties for this product are offered solely by UpStart Components and are not affiliated with the original equipment manufacturer. For warranty claims, technical assistance, or support, please contact UpStart Components directly through their official channels.

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