

UpStart Components W10518394

UpStart Components W10518394 Dishwasher Heating Element Instruction Manual

Model: W10518394

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of the UpStart Components W10518394 Dishwasher Heating Element. This replacement part is designed to be compatible with various dishwasher models, including Whirlpool WDF530PAYM3, and replaces original part number W10134009, among others. Please read these instructions carefully before proceeding with installation or any service.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock and Injury.

- Always disconnect power to the dishwasher at the circuit breaker or fuse box before attempting any installation, repair, or maintenance. Failure to do so can result in serious injury or death.
- Wear appropriate personal protective equipment, such as gloves and safety glasses, during installation.
- Ensure the dishwasher is completely drained of water before beginning work.
- If you are unsure about any step of the installation process, consult a qualified appliance repair technician.
- This is a replacement part. Refer to your original dishwasher's service manual for specific disassembly and reassembly instructions.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- 1 x UpStart Components W10518394 Dishwasher Heating Element



Figure 3.1: Front view of the W10518394 Dishwasher Heating Element.

4. INSTALLATION

The following steps provide a general guide for replacing a dishwasher heating element. Specific procedures may vary depending on your dishwasher model. Always refer to your dishwasher's service manual for detailed instructions.

Tools You May Need:

- Screwdrivers (Phillips and Flathead)
- Nut drivers or wrenches
- Pliers
- Multimeter (for testing continuity, optional but recommended)
- Work gloves and safety glasses

Installation Steps:

1. **Disconnect Power:** Locate your dishwasher's circuit breaker in your home's electrical panel and turn it OFF. Verify power is off by attempting to start the dishwasher.

2. **Access the Dishwasher:** Depending on your model, you may need to pull the dishwasher out from under the counter or simply open the door to access the interior.
3. **Drain Water:** Ensure there is no standing water in the bottom of the dishwasher tub.
4. **Locate the Heating Element:** The heating element is typically a U-shaped or circular metal tube located at the bottom of the dishwasher tub.
5. **Disconnect Wiring:** From underneath the dishwasher (or by tilting it back), locate the terminals of the heating element. Carefully disconnect the electrical wires attached to the heating element terminals. Note their positions for reinstallation.
6. **Remove Mounting Nuts:** On the underside of the dishwasher, locate the nuts that secure the heating element terminals to the tub. Use a nut driver or wrench to remove these nuts.

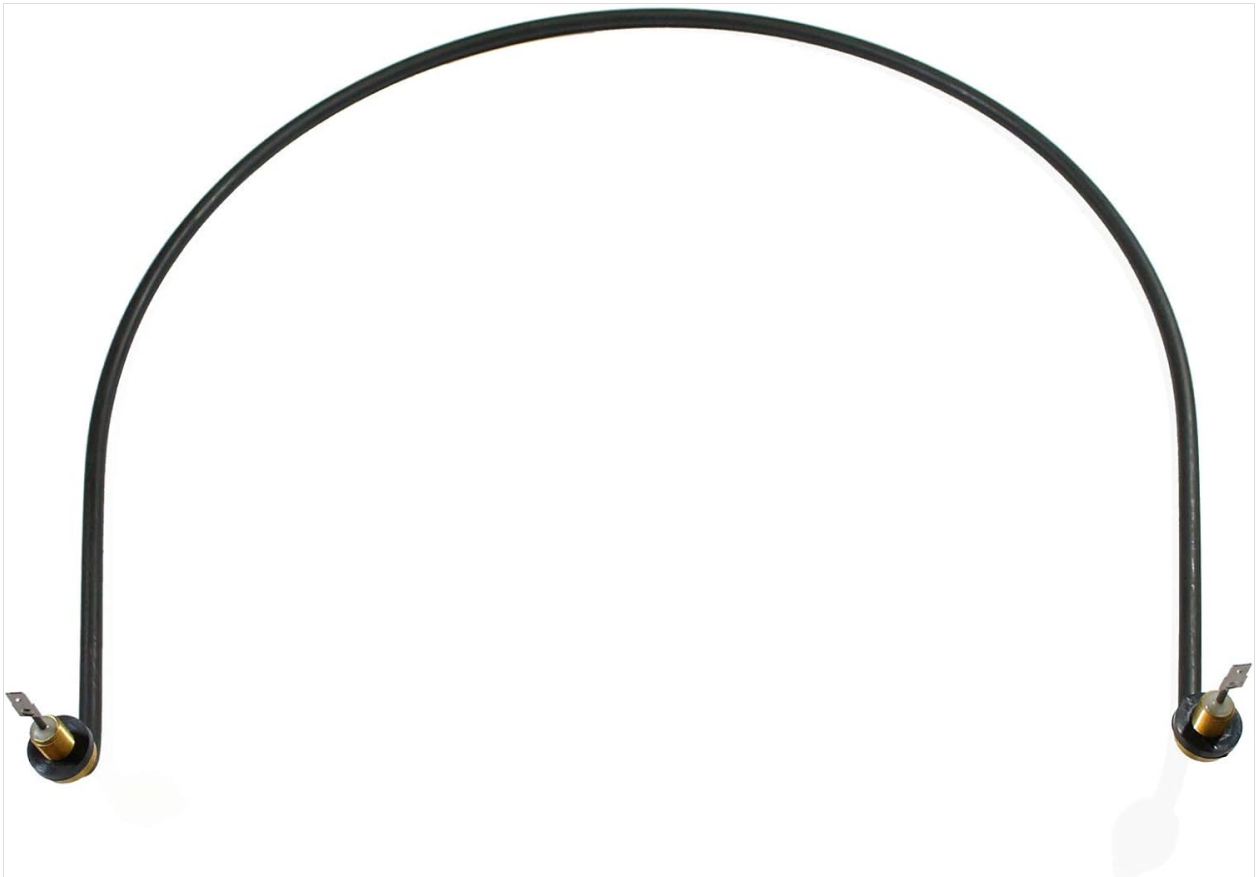


Figure 4.1: View of the heating element terminals from underneath the dishwasher.

7. **Remove Old Element:** From inside the dishwasher tub, carefully lift and remove the old heating element. It may be held in place by rubber gaskets.
8. **Install New Element:** Insert the new W10518394 heating element into the tub, ensuring the terminals pass through the holes in the tub bottom. Make sure the rubber gaskets are properly seated to prevent leaks.
9. **Secure New Element:** From underneath the dishwasher, reattach and tighten the mounting nuts onto the new heating element terminals. Do not overtighten.
10. **Reconnect Wiring:** Reattach the electrical wires to the new heating element terminals in their original positions. Ensure connections are secure.
11. **Test for Leaks:** Before pushing the dishwasher back into place, restore power and run a short cycle (e.g., rinse cycle) while observing underneath the dishwasher for any leaks around the heating element terminals.
12. **Restore Power and Test:** If no leaks are present, disconnect power again, push the dishwasher back,

restore power, and run a full wash cycle to confirm proper operation.



Figure 4.2: Side view of the W10518394 Dishwasher Heating Element, showing terminals.

5. OPERATING PRINCIPLES

The W10518394 Dishwasher Heating Element is a critical component responsible for two primary functions in your dishwasher:

- **Water Heating:** During wash and rinse cycles, the heating element activates to raise the water temperature to the optimal level for effective cleaning and sanitization.
- **Drying Cycle:** In many dishwasher models, the heating element also assists in the drying cycle by heating the air inside the tub, helping to evaporate moisture from dishes.

Once installed, the heating element operates automatically as part of the dishwasher's programmed cycles. No direct user interaction with the element itself is required during normal operation.

6. MAINTENANCE

The W10518394 heating element is designed for durability and typically requires minimal maintenance. However, periodic inspection can help ensure its longevity and proper function.

- **Visual Inspection:** Approximately once a year, or if you notice issues, visually inspect the heating element for signs of corrosion, cracks, or excessive mineral buildup. Ensure the dishwasher is unplugged before inspection.
- **Cleaning:** If mineral deposits (limescale) are visible on the element, they can be carefully removed using a dishwasher cleaner or a solution of white vinegar. Follow the cleaner's instructions or run an empty cycle with vinegar. Avoid abrasive cleaners or tools that could damage the element's surface.
- **Terminal Connections:** If accessing the underside of the dishwasher for other maintenance, ensure the electrical connections to the heating element terminals remain tight and free of corrosion.

7. TROUBLESHOOTING

If your dishwasher is experiencing issues related to heating or drying, the heating element may be a factor. Here are common symptoms and potential solutions:

Symptom	Possible Cause	Solution
Dishes are not drying properly.	Faulty heating element, rinse aid dispenser empty, or drying cycle not selected.	<ul style="list-style-type: none"> ◦ Check rinse aid level. ◦ Ensure a heated dry option is selected. ◦ Test heating element for continuity (requires multimeter and electrical knowledge).
Water in the dishwasher is not getting hot.	Faulty heating element, thermostat issue, or control board problem.	<ul style="list-style-type: none"> ◦ Test heating element for continuity. ◦ Consult a technician if the element tests good, as other components may be at fault.
Heating element appears visibly damaged (e.g., burnt, broken).	Element failure due to age, wear, or electrical issue.	Replace the heating element.

Always disconnect power before performing any troubleshooting steps that involve accessing internal components.

8. SPECIFICATIONS

- **Part Number:** W10518394 (Replacement for AP-W10518394-DL1677)
- **Compatible Part Numbers:** W10134009, AP5690151, 2977737, 8194250, 8563007, 8572861, PS8260087, W10441445, W10518394VP
- **Compatible Dishwasher Models:** Whirlpool WDF530PAYM3 and many other models requiring the listed part numbers.
- **Brand:** UpStart Components
- **Material:** Durable, high-quality materials (e.g., metal heating coil, plastic/rubber seals)
- **Color:** Black (element terminals/housing)

9. WARRANTY AND SUPPORT

This UpStart Components replacement part is covered by warranties offered solely by UpStart Components.

For specific warranty details, claims, or technical support, please contact the seller or UpStart Components directly.

Please note that this product is not affiliated with any original equipment manufacturer (OEM) brands, and any warranties offered by original manufacturers do not cover this replacement part.

For assistance, refer to the contact information provided by your retailer or on the UpStart Components official website.