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> AZ4U Dryer Heating Element and Thermostat Replacement Kit for Samsung Dryers

AZ4U DV45H7000EW/A2 DV40J3000EW/A2

AZ4U Dryer Heating Element and Thermostat Replacement Kit

Model: DV45H7000EW/A2, DV40J3000EW/A2 and others

Brand: AZ4U

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your AZ4U Dryer Heating Element and Thermostat Replacement Kit. This kit is designed to restore the heating function of compatible Samsung dryers, addressing common issues such as insufficient heat or complete heating failure. The heating element is constructed with 95% nickel-chromium material, ensuring durability and efficient heat transfer.



GREAT SOLUTION FOR A DRYER THAT IS **NOT WORKING**



This image illustrates the common problem of a dryer not working effectively, showing a woman frustrated with damp clothes, and the positive outcome of using the replacement kit, resulting in fresh, dry laundry.

2. COMPATIBILITY

This replacement kit is compatible with a wide range of Samsung dryer models. Please verify your dryer's model number against the list below to ensure proper fit and function. This kit replaces part numbers such as DC47-00019A, DC47-00018A, AP4201899, 35001092, 503497, AP6008682, PS4205217, DC96-00887C, 2074129, WP35001193, AP207819, AP5966894, P511741829, DC47-00016A, PS2038533, and 35001087.

Compatible Samsung Dryer Models:

- DV45H7000EW/A2, DV40J3000EW/A2
- DV218AEW/XAA, DV219AEW/XAA, DV220AEW/XAA
- DV209AEW/XAA, DV210AEW/XAA, DV350AEW/XAA
- DV328AEW/XAA, DV5451AEW/XAA, DV330AEW/XAA
- DV42H5000EW/A3, DV42H5200EW/A3, DV42H5200EP/A3
- DVE50M7450W/A3, DV48H7400EW/A2, DV448AEP-XAA

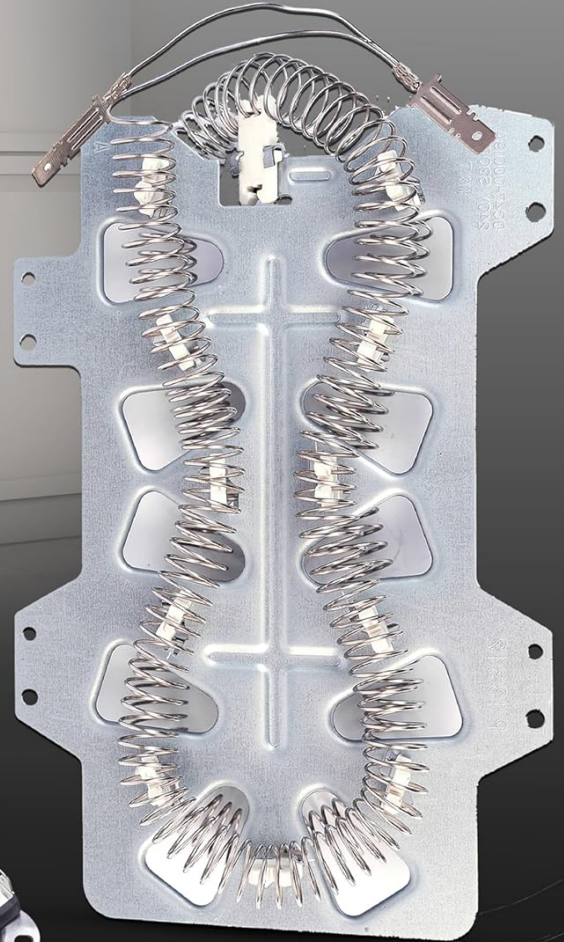
- DV40J3000EW, DV42H5000ES, DV331AER/XAA
- DV5471AEP/XAA, DV56H9000EP/A2, DV331AEW/XAA
- DV419AEW/XAA, DV50F9A6EVW/A2, DV361EWBEWR/A3
- DV393ETPAWR/A1, DV407AEW/XAA, DV45H7000EP/A3
- DVE50M7450W/A3, DV393ETPAWR/A1, DV42H5000EW/A3
- DV48H7400EW/A2, DV363EWBEUF/A1, DV42H5200EW/A3
- DV361EWBEWR/A3, DV42H5200EF/A3, DV419AEW/XAA
- DV203AEW/XAA, DV209AEW/XAA, DV210AES, DV210AEW
- DV210AEW/XAC, DV210AEWXAA, DV218AEB/XAA
- DV218AEW/XAA, DV219AEB/XAA, DV219AEW/XAA
- DV220AEW, DV220AEW/XAA, DV231AEW/XAA
- DV306LEW/XAA, DV328AEG/XAA, DV328AER/XAA
- DV328AEW/XAA, DV330AEB/XAA, DV330AEW
- DV330AEW/XAA, DV331AER/XAA, DV331AEW/XAA
- DV337AEG/XAA, DV337AEL, DV337AEL/XAA
- DV337AER/XAA, DV337AEW/XAA, DV338AEB/XAA
- DV338AEW/XAA, DV350AEP/XAA, DV350AER/XAA
- DV350AEW/XAA, DV363EWBEUFA1, DV365ETBGWR
- DV365ETBGWR/A3, DV36J4000EW/A3, DV393ETPARA/A1
- DV393ETPAWRA1, DV393GTPARA/A1, DV395ETPARA/A1
- DV395ETPASU/A1, DV395ETPAWR/A1, DV395ETPAWRA1
- DV400EWHDR/AA, DV405ETPASU/AA, DV405ETPAWR/AA
- DV407AEW/XAA, DV409AER, DVE50R5400V/A3, DVE50R5200W/A3



WIDE RANGE COMPATIBILITY

Replace For:

DV45H7000EW/A2 DV40J3000EW/A2
DV218AEW/XAA DV219AEW/XAA
DV220AEW/XAA DV209AEW/XAA
DV210AEW/XAA DV350AEW/XAA
DV328AEW/XAA DV5451AEW/XAA
DV330AEW/XAA



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This image displays the AZ4U dryer heating element alongside its associated components, emphasizing its wide compatibility with various Samsung dryer models, including DV45H7000EW/A2, DV40J3000EW/A2, DV218AEW/XAA, DV219AEW/XAA, DV220AEW/XAA, DV209AEW/XAA, DV210AEW/XAA, DV350AEW/XAA, DV328AEW/XAA, DV5451AEW/XAA, and DV330AEW/XAA.

3. KIT COMPONENTS

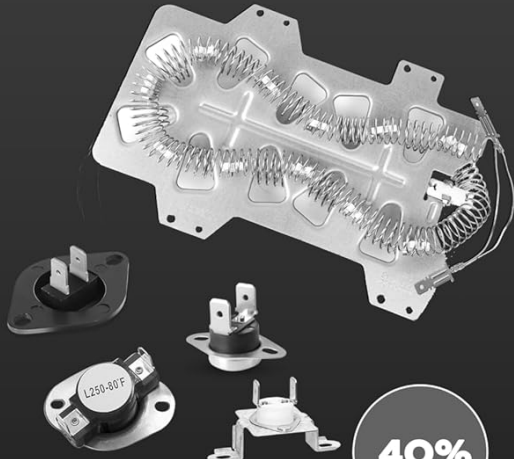
The AZ4U Dryer Heating Element and Thermostat Replacement Kit includes all necessary parts for a comprehensive repair, offering a complete DIY solution. Each component is designed to meet OEM standards for reliable performance.

Included Parts:

- **Heating Element:** The core component responsible for generating heat. It features a coiled nickel-chromium wire that resists electric current to produce heat.
- **High-Limit Thermostat:** Protects against overheating and fire by limiting the maximum temperature of the heating element.
- **Thermal Fuse:** A safety device that activates and permanently shuts down the heating element if the dryer overheats, preventing damage.

- **Dryer Thermistor:** Monitors the temperature inside the dryer and sends signals to the control board to maintain the desired drying temperature.

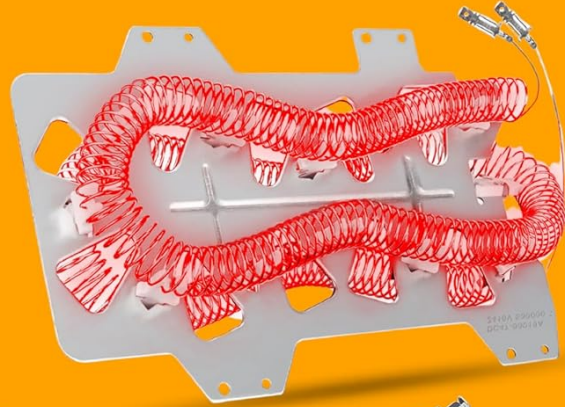
OTHERS



40%

- Weak And Short Life
- Does Not Meet OEM Standards
- Ni-Chromium Content Reaches 35%

OURS



95%

- Durable And Long-Lasting
- Meets OEM Standards
- Nickel-Chromium Content Reaches 85%

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This image details the sensor support components included in the kit: the High Limit Thermostat (protects against overheating), Thermal Fuse (activates and shuts down heating element when overheated), and Dryer Thermistor (monitors temperature).

Replacement part numbers are also shown.

UPGRADED MATERIALS

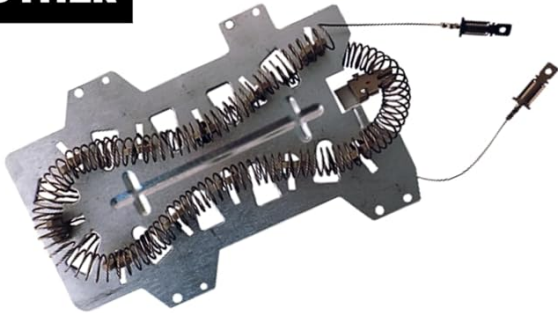
Helps keep dryer temperature stable and dries clothes faster



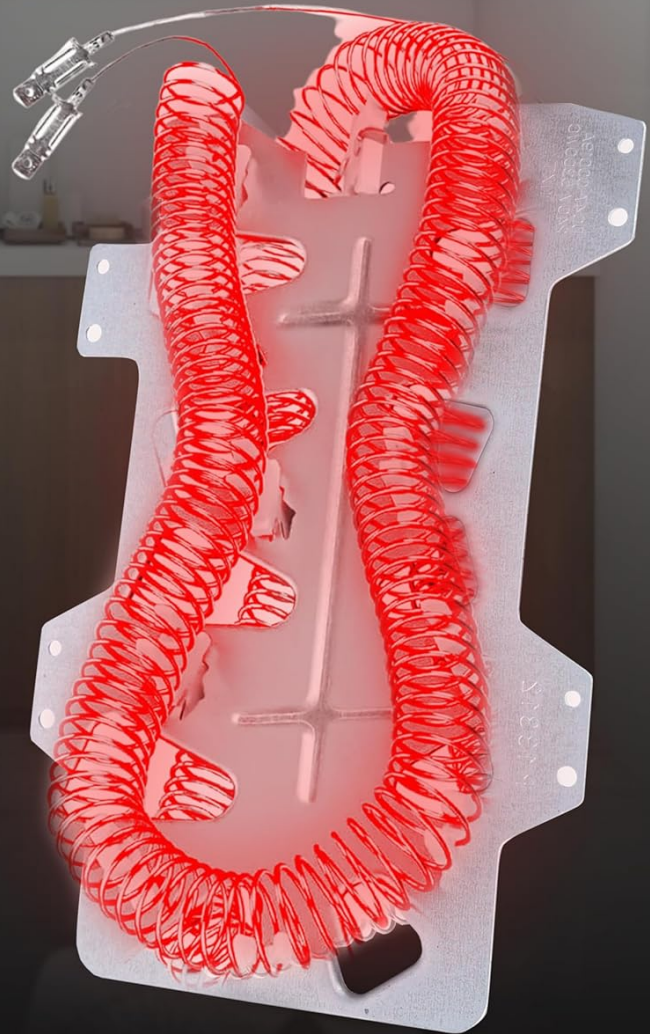
Increased heating wire length by **25%**

95%

OTHER



Contains only **20%** nickel-crom



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This image illustrates the upgraded materials used in the AZ4U heating element, featuring 95% nickel-chromium content and a 25% longer heating wire compared to standard elements. This design helps maintain stable dryer temperature and facilitates faster drying.

4. INSTALLATION GUIDE

Replacing a dryer heating element and thermostat requires careful attention to detail. If you are unsure about any step, it is recommended to consult a qualified technician.

Safety Precautions:

- Always disconnect the dryer from its power source before beginning any repair or maintenance.
- Wear appropriate safety gear, such as gloves, to protect your hands.
- Ensure the work area is well-lit and clear of obstructions.

General Installation Tips:

- Carefully disassemble the dryer panels to access the heating element assembly.
- Note the position and wiring of the old components before removal. Taking photos can be helpful.
- When installing the new heating element, ensure the nickel-chromium wire does not contact the metal shell.

- Verify that all connecting wires, especially for the thermostat, are securely attached and not loose. Loose connections can lead to premature failure.
- Reassemble the dryer panels, ensuring all screws and fasteners are tightened appropriately.



This image shows the AZ4U dryer heating element, illustrating its compact design with approximate dimensions of 6 inches by 10 inches. The design promotes quick heating and gentle drying for clothes.

Installation Videos:

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This video provides an overview of the AZ4U Dryer Heating Element, showcasing its design and key features.

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This video demonstrates the various thermostat components included in the AZ4U Dryer Heating Element kit.

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This video offers a detailed look at the AZ4U Dryer Heating Element and its associated thermal components, highlighting their quality and design.

5. OPERATING PRINCIPLE

The dryer heating element functions by converting electrical energy into heat. A coiled wire, made primarily of nickel-chromium, resists the controlled electric current passing through it. This resistance causes the wire to heat up significantly. The heat generated is then used to dry the clothes within the dryer drum. The integrated thermostats and thermistors regulate this heat, ensuring efficient and safe drying cycles.

6. MAINTENANCE TIPS

To ensure the longevity and optimal performance of your dryer and its new heating element, consider the following maintenance practices:

- **Clean Lint Filter:** Always clean the lint filter before or after every load to maintain proper airflow and prevent overheating.
- **Inspect Venting:** Regularly check the dryer's exhaust vent for blockages. A clogged vent can restrict airflow, leading to longer drying times and potential overheating.
- **Avoid Overloading:** Do not overload the dryer, as this can strain the heating element and other components, reducing their lifespan.
- **Professional Inspection:** Consider a professional inspection of your dryer's internal components every few years to catch potential issues early.

7. TROUBLESHOOTING COMMON ISSUES

The AZ4U Dryer Heating Element and Thermostat Replacement Kit is designed to resolve several common dryer malfunctions related to heating. If your dryer exhibits any of the following symptoms, this kit may provide the necessary repair:

- **Will Not Start:** While often related to other components, a faulty thermal fuse or thermostat can prevent the dryer from starting.
- **Timer Not Advance:** Issues with heating or temperature regulation can sometimes cause the dryer's cycle timer to not advance properly.
- **Shuts Off Too Soon:** An overheating condition, often triggered by a failing thermostat or thermal fuse, can cause the dryer to shut off prematurely.
- **Takes Too Long To Dry:** A weakened or partially failed heating element will not produce enough heat, leading to extended drying cycles.
- **No Heat / Not Enough Heat:** This is the most direct symptom of a faulty heating element or its associated thermal components.

SENSOR SUPPORT COMPONENTS



High Limit Thermostat

Protects against overheating and fire by limiting the maximum temperature of the heating element

Replacement Part Number:

35001092, 503497, AP4201898, AP6008682, PS4205217

Thermal Fuse

When the dryer overheats, this thermal circuit breaker will activate and shut down the heating element

Replacement Part Number:

DC96-00887C, 2074129, WP35001193, AP207819, AP5966894, P511741829



Thermal Fuse

If the DC47-00016A thermal fuse is blown, the dryer will not operate and the fuse will need to be replaced

Replacement Part Number:

AP4201899, PS2038533, 35001087



Dryer Thermistor

When the dryer overheats, this thermal circuit breaker will activate and shut down the heating element

Replacement Part Number:

DC96-00887C, 2074129, WP35001193, AP207819, AP5966894, P511741829



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This image highlights the common dryer malfunctions that the AZ4U heating element kit is designed to fix. These symptoms include the dryer not starting, the timer not advancing, shutting off too soon, taking too long to dry, or producing no heat/insufficient heat.

8. SPECIFICATIONS

Feature	Detail
Brand	AZ4U
Model Name	DV45H7000EW/A2, DV40J3000EW/A2 (and others listed in compatibility)
Material Type	95% Nickel-chromium
Wattage	5300 watts
Voltage	240 Volts
Specific Uses For Product	Dryer

Feature	Detail
Color	Silver
Included Components	Heating Element, High-Limit Thermostat, Thermal Fuse, Dryer Thermistor

9. WARRANTY AND SUPPORT

AZ4U stands behind the quality of its products. Customer support is available within 30 days from the date of purchase for any issues or advice. If you are unsure about the compatibility of this kit with your specific dryer model, please contact AZ4U customer support for assistance.