

## SUMNEW heating01

# SUMNEW 279838 Dryer Heating Element Kit Instruction Manual

Model: heating01

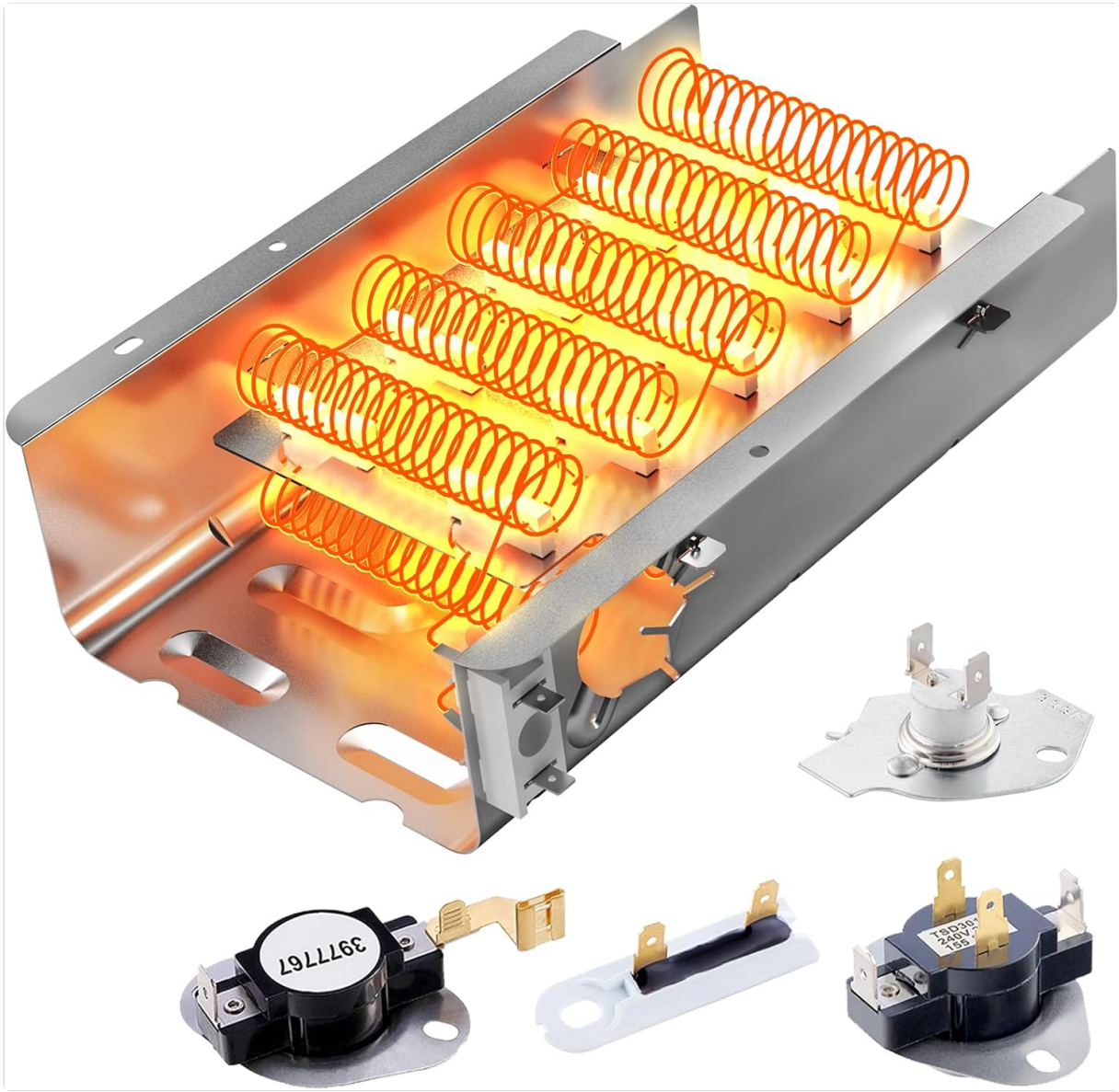
## 1. INTRODUCTION

This manual provides essential information for the installation and operation of the SUMNEW 279838 Dryer Heating Element Kit. This kit is designed as a replacement part for various dryer brands and models, addressing issues such as a dryer not heating or running cold. It includes a heating element and associated safety components to ensure proper dryer function and prevent overheating.

## 2. PACKAGE CONTENTS

The SUMNEW 279838 Dryer Heating Element Kit includes the following components:

- 1 x 279838 Dryer Heating Element (5400W, 240V)
- 1 x WP3977767 Dryer Thermostat
- 1 x WP3387134 Cycle Thermostat
- 1 x 3977393 Thermal Cut-off Switch
- 1 x WP3392519 Thermal Fuse



**Figure 1:** All components included in the SUMNEW 279838 Dryer Heating Element Kit.

## What accessories will you receive?

### High limit dryer parts



#### WP3977767 dryer thermostat

- As a security mechanism, prevent the dryer from overheating
- Protect the electric load of the heater

#### Replacement Part Number

- 3399693, 3977767, WP3977767VP, L250-80F, AP3131941, PS351925, 898078, EAP351925

#### WP3387134 Cycle Thermostat

- Function: In order to maintain a certain temperature
- Repair: The fuse is short out and no longer heated

#### Replacement Part Number

- 2011, 2893, AP6008270, PS11741405, 306910, 3387134, 3387135, 3387139, ET187, WP3387134VP, EAP11741405



#### WP3392519 Thermal Fuse

- Function: 3392519 Dryer Thermal Fuse is a safety mechanism
- Repair: Not heated, dryer does not start, drying for too long

#### Replacement Part Number

- 3388651, 3392519, 694511, 80005, WP3392519VP, ET401, G4AP0500, PS11741460, AP6008325, 2986, EAP11741460

#### 3977393 Dryer Thermal Cut-Off Switch

- Function: Safety mechanism to prevent overheating
- Repair: The dryer is not heating

#### Replacement Part Number

- 279816VP, 3399848, 2651, 279816, 3977393, AP3094244



Figure 2: Detailed view of the WP3977767 dryer thermostat, WP3387134 cycle thermostat, WP3392519 thermal fuse, and 3977393 thermal cut-off switch.

### 3. SAFETY INFORMATION

**WARNING:** Before attempting any repair or installation, ensure the dryer is completely unplugged from its power source to prevent electrical shock. Failure to do so can result in serious injury or death.

- Always wear appropriate personal protective equipment, such as work gloves, to protect your hands during installation.
- It is recommended to take photographs of the existing wiring and component placement before removal to aid in correct reassembly.
- If you are unsure about any step of the installation process, consult a qualified appliance technician.
- This product is intended for replacement purposes only. Ensure compatibility with your specific dryer model before installation.

### 4. COMPATIBILITY

This heating element kit is compatible with a wide range of dryer brands and models. Please verify your dryer's model number and the part numbers of the components you are replacing against the lists below.

## 4.1 Compatible Brands

- Whirlpool
- Kenmore
- Maytag
- Roper
- Estate
- Inglis
- KitchenAid
- Crosley
- Amana
- Admiral
- Magic Chef

## 4.2 Replacement Part Numbers

This kit replaces the following part numbers:

- **279838 Heating Element:** 279837, 279838, 279838A, 279838VP, 3398064, 3403585, 8565582, AP3094254, W10724237
- **WP3387134 Cycle Thermostat:** 2011, 2893, AP6008270, PS11741405, 306910, 3387134, 3387135, 3387139, ET187, WP3387134VP, EAP11741405
- **3977393 Thermal Cut-off Switch:** 279816VP, 3399848, 2651, 279816, 3977393, AP3094244
- **WP3977767 Dryer Thermostat:** 3399693, 3977767, WP3977767VP, L250-80F, AP3131941, PS351925, 898078, EAP351925
- **WP3392519 Thermal Fuse:** 3388651, 3392519, 694511, 80005, WP3392519VP, G4AP0500, PS11741460, AP6008325, EAP11741460

# Applicable Brand Model

## KENMORE DRYER

103777000 103777020 103777040 103777060 1038017050 1038517050  
11060022010 11060022011 1106012510 1106012511 11060202990 11060212990 11060222510 11060222511  
1106072011 11060722990 11060724990 11060727990 11060802990 11060812990 11060814990 11060817990  
11060832990 11060842990 11060852990 11060854990 11060857990 11060882990 11060884990 11060887990  
11061202010 11061202011 11061202013 11061252010 11061252011 11061262310 11061262311  
11061402310 11061402311 1106180200 1106180400 11061812000 11061814000 110618192310 1106192311  
11062102310 11062102311 11062202100 11062202101 11062212100 11062212101 11062332510 11062342510  
11062512100 11062512101 11062512102 11062514100 11062514101 11062514102 11062602100 11062602101  
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11062712101  
11064112200 11064202200 11064202201 11064212200 11064212201 11064602300 11064602301 11064612200  
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11064712201 11064722400 11064732400 11064742400 11064812200 11064812201 11064832400 11064842400  
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11066824694 11066832500 11066832501 11066842500 11066842501 11066852690 11066852691  
11066852692  
11067132410 11067322600 11067332600 11067342700 11067402600 11067422600 11067432600 11067442600  
11067522600 11067532600 11067542600 11067622600 11067632600 11067642600 1067652600 11067654500  
11067732790 1067732791 1067732794 11067832790 11067832791 11067832794 11067834790 11067834791  
11067834794

## MAYTAG DRYER

3ZMEDS705TW0 3ZMEDS705TW1  
4GMEDC100YQ0 4GMEDC100YQ1 4GMEDC100YQ2 4GMEDC300YW0 4GMEDC300YW1  
4GMEDC300YW2 4KMEDS700TQ0 4KMEDS700TQ1 4KMEDS900TW0 4KMEDC405WQ0 4KMEDC405WQ1  
7MMEDC300BW0 7MMEDC300DW0 7MMEDC300DW1 7MMEDX655EW0 7MMEP0080WW0 7MMEP0080WW1  
MEDS570TQ0 MEDS591TQ0 MEDS600TQ0 MED5600TQ1 MED5620TQ0 MEDS620TQ1 MEDS621TQ0  
MEDS630TQ0 MED5630TQ1 MEDS640TQ0 MED5640TQ1 MEDS700TQ0 MEDS700TQ1 MEDS707TQ0  
MEDS707TQ1 MEDS720TQ0 MEDS721TQ0 MEDS730TQ0 MEDS740TQ0 MEDS740TQ1  
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MEDS821TW0 MEDS830TW0 MEDS830TW1 MEDS840TW0 MEDS840TW1 MEDS870TW0 MEDS870TW1  
MED6800TQ0 MEDB755DW0 MEDB755DW1 MEDB755DW2 MEDB766FW0  
MEDC100YQ0 MEDC200XW0 MEDC200XW1 MEDC200XW2 MEDC200XW3 MEDC21SEW0  
MEDC215EW1 MEDC300XW0 MEDC300XW1 MEDC400BW0 MEDC400BW1 MEDC400VW0 MEDC415EW0  
MEDC415EW1 MEDC500VW0 MEDC500VW1 MEDC555DW1 MEDC555DW2 MEDX500BW0 MEDX500BW1  
MEDX655DW1 MEDX655TW0 MEDX655TW1

## WHIRLPOOL DRYER

1CWED4800DQ0 1CWED4900DW0 1CWEDS100VQ1 1CWEDS200VQ1 1MWED1750EM0  
3DWED4800YQ0 3DWED4800YQ1 3DWED4800YQ2 3DWED4900YW0 3DWED4900YW1 3DWED4900YW2  
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4GWED4900YQ1  
4GWED4900YQ2 4GWED4900YQ3 4GWED4900YW0 4GWED4900YW1 4GWED4900YW2  
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4PLEC8647J0 4PLEC8647J3 4PWED5905SG0 4PWED5905SG1 4PWED5905SW0 4PWED5905SW1  
7EWED1510YM0 7EWED1705YM0 7EWED170SYM1 7EWED170SYM2 7EWED1730YW0 7EWED1730YW1  
7EWED1730YW2  
7MWED1600BM0 7MWED1600BM1 7MWED1650EQ0 7MWED1800EM0 7MWED1900EW0  
8530040 8543000 885450 885453 885455 885456 885457 885458  
885461 885462 885463 885464 885465 885466 885469 885472  
BYCD3722W0 BYCD3722W1 BYCD4932W0  
GEN2000HQ0 GEN2000HQ1 GEN2000HZ0 GEN2000HZ1  
GEQ8858EQ0 GEQ8858EZ0 GEQ8858HQ0 GEQ8858HQ1 GEQ8858HZ0 GEQ8858HZ1 GEQ8858JQ0  
GEQ8858JQ1  
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GEX9868J2 GEX9868JQ3 GEX9868JT0 GEX9868JT1 GEX9868T2 GEX9868T3  
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LEB6200PQ0  
LEB6200PQ1 LEB6300LW0 LEB6300LW1 LEB6300PW0 LEB6300PW1 LEB6400KQ0 LEB6400KQ1  
LEB6400LW0 LEB6400LW1  
LER2614DW1 LER3624EQ1 LER3624JQ1 LER3624PQ0 LER3634EW0 LER3634EW1  
LER3634EW2 LER3634JW0  
LER3634JW1 LER4600PQ0 LER4600PQ1 LER4624BN2 LER4624BQ2 LER4624BW2 LER4624DQ0  
LER4624DQ1  
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LER4634DZ1 LER4634EQ0

LER4634EQ1 LER4634EQ2 LER4634EW0 LER4634EZ0 LER4634EZ1 LER4634EZ2 LER4634JQ0 LER4634JQ1  
LER4634JQ2  
LER4634JT0 LER4634JT1 LER4634JT2 LER4634JZ0 LER4634PQ0 LER4634PQ1 LER4634PT0 LER4634PT1  
LER6500JT0

## KITCHENAID DRYER

KEYS677EQ0 KEYS677EQ1 KEYS677EQ2 KEYS677E20 KEYS677E21 KEYS677E22  
KEYS700GQ0 KEYS700GT0 KEYS700GZ0 KEYS700JQ0 KEYS700JQ1 KEYS700JT0 KEYS700JT1  
KEYS700LQ0  
KEYS700LQ1 KEYS700LT0 KEYS700LT1 KEYS710JQ0 KEYS710JQ1 KEYS710LQ0 KEYS710LQ1  
KEYS750GQ0  
KEYS750GT0 KEYS750GZ0 KEYS750JQ0 KEYS750JQ1 KEYS750JT0 KEYS750JT1 KEYS750LQ0  
KEYS750LQ1  
KEYS750LQ2 KEYS750LT0 KEYS750LT1 KEYS750LT2

## CROSLEY DRYER

CED123SEW0 CED126SBW0 CED126SBW1 CED126SDW0 CED126SDW1 CED126SXQ0 CED126SXQ1  
CED137HXQ1  
CED137HXW0 CED137SBW0 CED137SDW0 CED137SDW1 CED137SXQ0 CED147HXW0 CED147SBW0  
CED147SDW0  
CED147SDW1 CED147SDW2 CED7006GW0  
CEDS1043VQ0 CEDS1043VQ1 CEDS563MQ0 CEDS563MQ1 CEDS563RB1 CEDS563RQ1 CEDS563SQ0  
CEDS563ST0  
CEDS663S80 CEDS663SQ0 CEDS774JQ0 CEDS774JQ1 CEDS774MQ0 CEDS774MQ1 CEDS832VQ0  
CEDS832VQ1  
CEDS884RQ0 CEDS884RQ1  
CEDX463JQ0 CEDX463JQ1 CEDX463MQ0 CEDX463MQ1 CEDX463RT1 CEDX463SQ0  
CEDX563JQ0  
CEDX563JQ1 CEDX563JQ2 CEDX631VQ1

Figure 3: Partial list of applicable brand models for the SUMNEW 279838 Dryer Heating Element Kit.

## 5. SETUP AND INSTALLATION

Replacing dryer components requires careful attention. The following steps provide general guidance. Always refer to your specific dryer's service manual for detailed instructions.

- 1. Disconnect Power:** Unplug the dryer from the electrical outlet. This is a critical safety step.
- 2. Access Components:** Depending on your dryer model, you may need to remove the back panel, front panel, or top panel to access the heating element assembly and associated thermostats/fuses.
- 3. Document Connections:** Before disconnecting any wires or removing parts, take clear photographs. This will help ensure correct reassembly.
- 4. Remove Old Components:** Carefully disconnect wires and unmount the old heating element, thermostats, and thermal fuses. Note their exact positions.
- 5. Install New Components:** Install the new SUMNEW 279838 heating element, WP3977767 dryer thermostat, WP3387134 cycle thermostat, 3977393 thermal cut-off switch, and WP3392519 thermal fuse in the same locations as the old parts. Ensure all connections are secure.
- 6. Reassemble Dryer:** Reattach any panels removed during the process.
- 7. Test Functionality:** Plug the dryer back into the electrical outlet and run a short cycle to verify proper heating and operation.

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**Video 1:** A general guide demonstrating the replacement process for a 279838 dryer heating element and associated parts. This video is provided by SumnewTech (Seller).

## 6. OPERATING PRINCIPLES OF COMPONENTS

Understanding the function of each component can assist in troubleshooting and maintenance.

- **279838 Dryer Heating Element:** This component generates the heat required to dry clothes. It is rated at 5400 Watts and 240 Volts.
- **WP3977767 Dryer Thermostat:** Functions as a safety mechanism to prevent the dryer from overheating by monitoring temperature and interrupting the electrical load to the heater if it exceeds a safe limit.
- **WP3387134 Cycle Thermostat:** Maintains a consistent temperature during the drying cycle. If this component fails, the dryer may not heat correctly.
- **3977393 Thermal Cut-off Switch:** A safety device designed to prevent overheating. If the dryer overheats, this switch will trip, cutting power to the heating element.
- **WP3392519 Thermal Fuse:** Another safety mechanism that blows if the dryer overheats, preventing further operation. If this fuse is blown, the dryer will not start or heat.

## 7. MAINTENANCE

Regular maintenance of your dryer can extend the life of its components, including the heating element kit.

- **Clean Lint Filter:** Clean the lint filter before or after every load to ensure proper airflow and prevent overheating.
- **Inspect Venting:** Periodically check the dryer's exhaust vent for blockages. A clogged vent can cause the dryer to overheat and lead to premature failure of heating elements and thermal safety devices.
- **Professional Inspection:** Consider having your dryer professionally inspected every few years to identify potential issues before they lead to component failure.

## 8. TROUBLESHOOTING

If your dryer is experiencing issues after installing the kit, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Dryer not heating	Faulty heating element, thermal fuse, or thermostat. Incorrect wiring.	Verify all connections are secure. Test continuity of heating element and safety devices. Ensure the correct voltage is supplied to the dryer.
Dryer runs but does not start	Blown thermal fuse (WP3392519).	Check the thermal fuse for continuity. If open, replace it and investigate the cause of overheating (e.g., clogged vent).
Dryer overheats	Faulty thermostat (WP3977767 or WP3387134) or thermal cut-off switch (3977393). Restricted airflow.	Inspect and clean the dryer vent system. Test thermostats and thermal cut-off switch for proper operation. Replace any faulty components.

Problem	Possible Cause	Solution
Clothes not drying completely	Insufficient heat from heating element. Restricted airflow.	Ensure the heating element is functioning correctly. Clean lint filter and check dryer vent for obstructions.

For further assistance, refer to your dryer's specific service manual or contact a qualified technician.

## 9. SPECIFICATIONS

- **Brand:** SUMNEW
- **Model Name:** heating01
- **Heating Element Wattage:** 5400 Watts
- **Voltage:** 240 Volts
- **Outer Material:** Stainless Steel
- **Item Weight:** 0.87 Kilograms (1.92 pounds)
- **Special Feature:** Temperature Control (via included thermostats and fuses)
- **Raw Material (Heating Element):** Cr20Ni80 (Nickel-Chromium alloy)

## Upgrade Cr20Ni80

- ✓ **Nickel element content 80-95%**
- ✓ **Stable and durable**
- ✓ **Long service life**

**Replacement part number**

279837	279838A
279838VP	3398063
3398064	3403585
8565582	W10724237
WP279837	AP3094254
AH334313	



**Figure 4:** Detail of the heating element's upgraded Cr20Ni80 material composition, indicating high nickel content for stable and durable performance.

## 10. WARRANTY AND SUPPORT

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SUMNEW provides a 12-month worry-free warranty for this dryer heating element kit. For any questions regarding compatibility, installation, or product performance, please contact SUMNEW customer support. Disassembling your machine and checking the model before purchasing accessories is recommended to ensure compatibility.

For customer inquiries, please refer to the contact information provided with your purchase or visit the official SUMNEW website.