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› Supco DE1001 Dryer Heating Element Replacement Manual

Supco DE1001

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1. INTRODUCTION

This manual provides detailed instructions for the safe and effective replacement of your dryer's heating element with the Supco DE1001. The Supco DE1001 is a direct replacement for LG part number 6931EL1001. Please read all instructions carefully before beginning the installation process. Proper installation is crucial for the safe and efficient operation of your dryer.

2. PRODUCT OVERVIEW

The Supco DE1001 is a complete dryer heating element assembly designed to restore heating functionality to compatible dryers. It operates at 240 volts and has a wattage of 5400 watts. This assembly includes the heating coil within its housing, ready for installation.

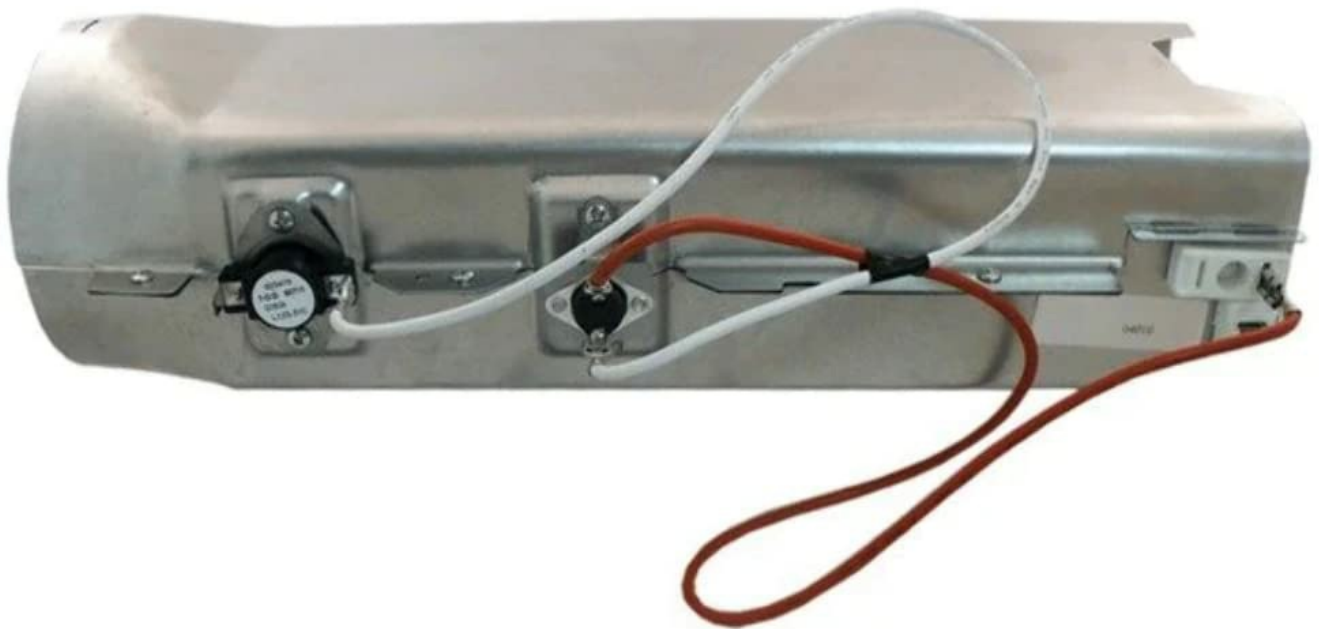


Image 2.1: The Supco DE1001 Dryer Heating Element assembly. This image shows the complete heating element unit, including the coiled wire within its metal housing, ready for installation into a dryer.

3. SAFETY INFORMATION

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

- Always disconnect the dryer from its power source (unplug it or turn off the circuit breaker) before performing any service or maintenance.
- Wear appropriate personal protective equipment, such as gloves, to prevent cuts or scrapes from sharp edges.
- If you are not comfortable performing electrical repairs, it is recommended to consult a qualified appliance technician.
- Ensure all connections are secure and properly insulated after installation.

4. INSTALLATION INSTRUCTIONS

Tools Required:

- Screwdrivers (Phillips and flathead)
- Nut drivers (various sizes, typically 1/4", 5/16", 1/2")
- Pliers
- Multimeter (optional, for testing electrical continuity)

Installation Steps:

1. **Disconnect Power:** Unplug the dryer from the wall outlet or turn off the circuit breaker supplying power to the dryer.
2. **Access Dryer Interior:** Depending on your dryer model, you may need to remove the back panel, front panel, or top panel to access the heating element housing. Refer to your dryer's specific service manual for panel removal instructions.
3. **Locate Heating Element:** The heating element is typically housed in a metal box or chamber, often located at the rear or bottom of the dryer drum.
4. **Disconnect Wires:** Carefully disconnect the electrical wires attached to the old heating element. Note their positions for correct reattachment.
5. **Remove Old Element:** Unscrew or unclip the old heating element assembly from its mounting brackets. Carefully pull it out of the dryer.
6. **Install New Element:** Position the new Supco DE1001 heating element assembly into the dryer, ensuring it sits correctly in its mounting brackets. Secure it with the screws or clips removed earlier.
7. **Reconnect Wires:** Reattach the electrical wires to the new heating element in their original positions. Ensure all connections are tight and secure.
8. **Reassemble Dryer:** Replace any panels removed earlier, ensuring all screws and fasteners are securely tightened.
9. **Restore Power:** Plug the dryer back into the wall outlet or turn on the circuit breaker.

5. OPERATING (POST-INSTALLATION TEST)

After installation, perform a test run to ensure the new heating element is functioning correctly:

1. Load a small amount of damp laundry into the dryer.
2. Select a heated drying cycle.
3. Start the dryer.
4. After a few minutes, open the dryer door briefly (if safe to do so) and check if the air inside the drum is heating up. You should feel warm air.
5. Allow the cycle to complete to confirm proper operation.

If the dryer does not heat, refer to the Troubleshooting section.

6. MAINTENANCE

While the heating element itself requires minimal maintenance, regular dryer maintenance can prolong its lifespan and ensure efficient operation:

- **Clean Lint Filter:** Clean the lint filter before or after every load to maintain proper airflow.
- **Inspect Vent System:** Periodically check and clean the dryer's exhaust vent system to prevent lint buildup, which can restrict airflow and cause the heating element to overheat.
- **Avoid Overloading:** Do not overload the dryer, as this can strain components and reduce drying efficiency.

7. TROUBLESHOOTING

If your dryer is not heating after replacing the element, consider the following common issues:

Problem	Possible Cause	Solution
Dryer does not heat at all	No power to dryer Blown thermal fuse Faulty cycling thermostat Wiring issue	Check circuit breaker/outlet Test thermal fuse for continuity and replace if open Test cycling thermostat for continuity and replace if faulty Inspect wiring for loose or burnt connections
Dryer heats intermittently or insufficiently	Restricted airflow (lint) Faulty high-limit thermostat Weak electrical connection	Clean lint filter and exhaust vent Test high-limit thermostat and replace if faulty Ensure all electrical connections to the element are secure

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance technician.

8. SPECIFICATIONS

- **Model Number:** DE1001
- **Replaces Part:** LG 6931EL1001
- **Voltage:** 240 Volts
- **Wattage:** 5400 Watts
- **Item Weight:** Approximately 3.44 pounds
- **Product Dimensions:** Approximately 16.6 x 6.9 x 6.8 inches
- **Material Type:** Metal

9. WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please refer to the documentation provided with your purchase or visit the official Supco website. Keep your proof of purchase for warranty claims.

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