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› UpStart Components 5301EL1001J Dryer Heating Element Replacement Manual for LG DLEX7177WM Dryer

UpStart Components 5301EL1001J

UpStart Components 5301EL1001J Dryer Heating Element Replacement Manual

For LG DLEX7177WM Dryer and Compatible Models

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of the UpStart Components 5301EL1001J Dryer Heating Element. This component is designed as a replacement part for LG DLEX7177WM dryers and is compatible with the 5301EL1001G heater assembly. Please note that this is an UpStart Components brand replacement part and not an Original Equipment Manufacturer (OEM) product. All brand names and model descriptions are used strictly to illustrate compatibility.

2. SAFETY INFORMATION

WARNING: Before attempting any repair or installation, ensure the dryer is completely disconnected from its power source. Failure to do so can result in electric shock, injury, or death. Professional installation is recommended.

- Always disconnect power to the dryer before servicing.
- Wear appropriate personal protective equipment, such as work gloves, to prevent injury.
- Handle components carefully to avoid damage.
- Keep all fasteners and small parts organized during disassembly to ensure proper reassembly.

3. INSTALLATION (SETUP)

The following steps outline a general procedure for replacing a dryer heating element. Specific disassembly and reassembly steps for your LG DLEX7177WM dryer may vary. Always refer to your dryer's original service manual for detailed instructions.

1. **Disconnect Power:** Unplug the dryer from the electrical outlet or turn off the circuit breaker supplying power to the dryer.
2. **Access Rear Panel:** Move the dryer away from the wall and remove the screws securing the rear

access panel. Carefully remove the panel.

3. **Locate Heating Element:** Identify the heating element housing, typically a metal box or chamber, inside the dryer.
4. **Disconnect Wiring:** Carefully disconnect the electrical wires connected to the old heating element. Note their positions for correct reattachment.
5. **Remove Old Element:** Unscrew any mounting screws or clips holding the heating element housing in place. Carefully slide out the old heating element assembly.
6. **Install New Element:** Insert the new UpStart Components 5301EL1001J heating element assembly into the dryer, ensuring it seats correctly. Secure it with the mounting screws or clips.
7. **Reconnect Wiring:** Reattach the electrical wires to the new heating element in their original positions. Ensure connections are secure.
8. **Reassemble Dryer:** Replace the rear access panel and secure it with screws. Push the dryer back into its position.
9. **Test Operation:** Plug the dryer back into the electrical outlet or turn on the circuit breaker. Run a short cycle to confirm the dryer heats properly.

UPStart **Appliance Parts**



Image 1: The UpStart Components 5301EL1001J dryer heating element assembly, showing its overall structure and connections.



Image 2: Side view of the heating element, highlighting the electrical connections and thermostat components.

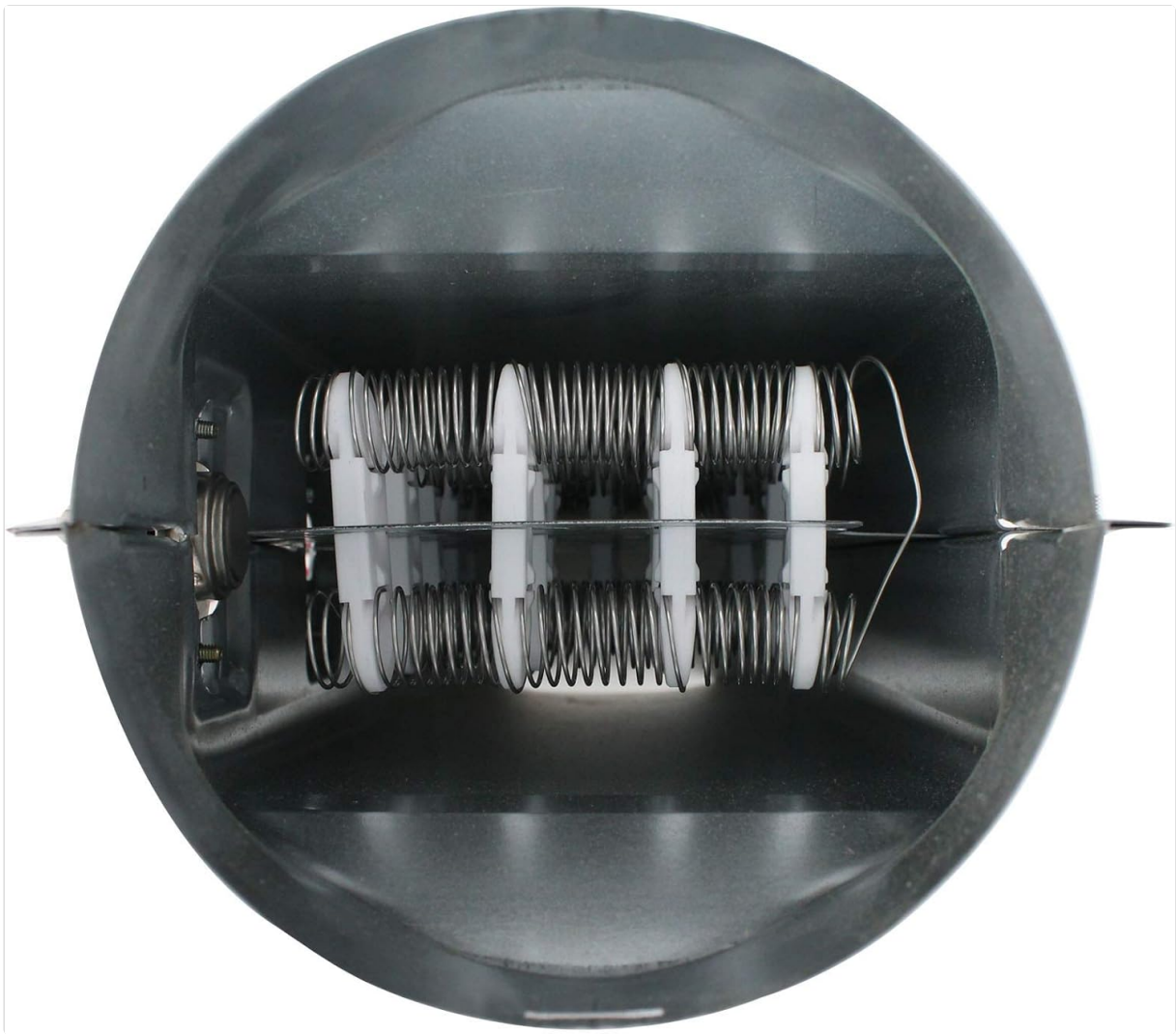


Image 3: Close-up view of the internal heating coils within the element, responsible for generating heat.

4. OPERATING PRINCIPLES

Once correctly installed, the 5301EL1001J heating element functions as an integral part of your dryer's heating system. When the dryer is activated and a heated cycle is selected, electrical current flows through the element's coils, generating heat. This heat is then circulated by the dryer's blower fan through the drum to dry clothes. The element's operation is regulated by the dryer's thermostats and control board to maintain the selected temperature and prevent overheating.

5. MAINTENANCE

Proper dryer maintenance helps ensure the longevity of all components, including the heating element. While the heating element itself requires no direct maintenance, adhering to general dryer care practices is beneficial:

- **Clean Lint Filter:** Clean the lint filter before or after every load to ensure proper airflow and prevent lint buildup, which can restrict heat and strain the element.
- **Inspect Dryer Vent:** Periodically check and clean the dryer's exhaust vent to prevent blockages. A clogged vent can cause the dryer to overheat and reduce drying efficiency.
- **Avoid Overloading:** Do not overload the dryer, as this can impede airflow and cause the dryer to work harder, potentially shortening the lifespan of components.

6. TROUBLESHOOTING

If your dryer is experiencing issues related to heating after installing the replacement element, consider the following common troubleshooting steps:

- **Dryer Not Heating:**
 - Verify the dryer is receiving power and the circuit breaker has not tripped.
 - Check the thermal fuse and thermostats for continuity using a multimeter. A blown thermal fuse or faulty thermostat will prevent the element from heating.
 - Ensure all electrical connections to the heating element are secure.
- **Dryer Takes Too Long to Dry:**
 - Inspect the dryer vent for blockages. Restricted airflow significantly impacts drying time.
 - Confirm the heating element is fully functional by checking its resistance with a multimeter.
- **Dryer Overheating:**
 - While less common for the element itself, overheating can be caused by a faulty operating thermostat or a clogged vent.

If issues persist, it is recommended to consult a qualified appliance technician.

7. SPECIFICATIONS

Attribute	Detail
Brand	UpStart Components
Part Number	5301EL1001J (also AP-5301EL1001J-DL84)
Compatibility	LG DLEX7177WM Dryer, 5301EL1001G Heater Assembly
Compatible Part Numbers	AP4439759, 1377645, 5301EL1001E, 5301EL1001G, AEG72910301, AH3527791, EA3527791, PS3527791
Material	Durable heating element materials

8. WARRANTY AND SUPPORT

Any warranties for this UpStart Components product are offered solely by UpStart Components. This product is not covered under any warranties offered by the original manufacturers of the compatible appliances.

For specific warranty details or technical support, please contact the seller or UpStart Components directly through their official support channels.