

Whirlpool W10242957

Whirlpool W10242957 Radiant Surface Element Instruction Manual

INTRODUCTION

This manual provides essential information for the installation, maintenance, and troubleshooting of the Whirlpool Part Number W10242957 Radiant Surface Element. This genuine OEM part is designed for use in compatible Whirlpool, Maytag, KitchenAid, Jenn-Air, Amana, Magic Chef, Admiral, Norge, Roper, and Kenmore electric ranges, stoves, and ovens. It functions as a 2000-watt heating element for the left front or right rear burner positions.

The W10242957 element replaces several older part numbers, including 4343098, 8053622, 8272568, 8523695, and W10242957. Always verify compatibility with your appliance's model number before proceeding with installation.

SAFETY INFORMATION

WARNING: Before attempting any installation, maintenance, or repair on an appliance, always disconnect the appliance from its power source. Failure to do so can result in electrical shock, personal injury, or death.

- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Ensure the work area is well-lit and clear of obstructions.
- If you are unsure about any step or procedure, consult a qualified appliance repair technician.
- Keep children and pets away from the work area.
- Handle heating elements carefully as they can be fragile.

PRODUCT OVERVIEW



An image showing the Whirlpool W10242957 radiant surface element, a circular heating component typically found on electric ranges and cooktops.

The Whirlpool W10242957 is a radiant surface element designed to provide heat for cooking on electric ranges and cooktops. It is a 2000-watt element, typically used for larger or more frequently used burner positions, such as the left front or right rear. This element is a genuine OEM (Original Equipment Manufacturer) part, ensuring proper fit and function with compatible appliances.

INSTALLATION (SETUP)

The following steps outline a general procedure for replacing a radiant surface element. Specific steps may vary depending on your appliance model. Refer to your appliance's service manual for detailed instructions.

1. **Disconnect Power:** Unplug the range from the electrical outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Element:** Depending on your range model, you may need to lift the cooktop, remove burner grates, or unscrew retaining clips to access the faulty element.
3. **Remove Old Element:** Carefully disconnect the electrical wires from the terminals of the old element. Note the position of each wire for correct reinstallation. Some elements may have a retaining bracket or screw that needs to be removed.
4. **Install New Element:** Connect the electrical wires to the corresponding terminals on the new W10242957 element. Ensure connections are secure. Position the new element correctly within its housing or mounting brackets.
5. **Secure Element:** Reinstall any retaining clips, screws, or brackets that hold the element in place.
6. **Reassemble Appliance:** Carefully lower the cooktop or reattach any components removed to gain access.
7. **Restore Power:** Plug the range back into the electrical outlet or turn on the circuit breaker.
8. **Test Functionality:** Turn on the burner to verify that the new element heats up properly.

If you encounter any difficulties or are uncomfortable performing this repair, it is recommended to contact a certified appliance technician.

OPERATION

The W10242957 radiant surface element functions as a heat source when electrical current passes through its resistive coil. When the corresponding burner knob on your range is turned on, electricity flows to the element, causing it to heat up and radiate heat to cookware placed on top. The temperature is regulated by the range's infinite switch, which cycles power to the element on and off to maintain the selected heat level.

MAINTENANCE

Proper maintenance helps ensure the longevity and efficient operation of your radiant surface element:

- **Cleaning:** Keep the surface element and surrounding area clean. Spills and food debris can burn onto the element, affecting its performance and potentially causing odors. Always ensure the element is cool and the appliance is unplugged before cleaning.
- **Avoid Harsh Cleaners:** Do not use abrasive cleaners, steel wool, or sharp objects on the element, as these can damage its surface.
- **Inspect Regularly:** Periodically inspect the element for any visible damage, such as cracks, breaks, or loose connections. If damage is observed, replace the element.
- **Proper Cookware:** Use flat-bottomed cookware that matches the size of the element for optimal heat transfer and efficiency.

TROUBLESHOOTING

If your radiant surface element is not functioning correctly, consider the following common issues:

- **Element Not Heating:**
 - Check if the appliance is properly plugged in and the circuit breaker has not tripped.
 - Ensure the burner knob is turned to the correct setting.
 - Inspect the element for visible breaks or damage.
 - A faulty infinite switch (burner control switch) can prevent the element from receiving power.
 - Loose or corroded wire connections to the element terminals.
- **Element Heating Unevenly or Too Slowly:**
 - This can indicate a partially failed element or a problem with the infinite switch.
 - Ensure cookware is flat and making full contact with the element.
- **Element Sparking or Smoking:**
 - Immediately disconnect power to the appliance.
 - This often indicates a short circuit or a severely damaged element that requires immediate replacement.

For electrical component issues, it is recommended to consult a qualified technician.

SPECIFICATIONS

Attribute	Value
Manufacturer	Whirlpool
Part Number	W10242957

Item Model Number	W10242957
Wattage	2000 W
Item Weight	1.35 pounds
Package Dimensions	12 x 10.4 x 2.3 inches
Item Package Quantity	1
ASIN	B0081EAEEE
Date First Available	June 21, 2012

WARRANTY AND SUPPORT

Genuine Whirlpool replacement parts typically come with a limited warranty. For specific warranty details regarding the W10242957 radiant surface element, please refer to the documentation included with your purchase or visit the official Whirlpool website. For technical support, service, or to locate authorized service providers, please contact Whirlpool customer service directly or visit their support portal online.

Whirlpool Customer Service: www.whirlpool.com/owners.html

This manual is for informational purposes only. Always consult a qualified technician for complex repairs.