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Whirlpool WP8286828

Whirlpool W8286828 Cooktop Re-Ignition Spark Module Instruction Manual

Model: WP8286828

Product Overview

The Whirlpool W8286828 Re-Ignition Spark Module is a genuine Original Equipment Manufacturer (OEM) part designed for cooktops. Its primary function is to relight the cooktop burner flame if it extinguishes during operation, ensuring continuous and safe use of the appliance.

This module is compatible with various Jenn-Air and KitchenAid cooktop models. It is a functional equivalent to prior parts including 8286828, 74007767, 7431P049-60, and W10110573.



Image: The Whirlpool W8286828 Cooktop Re-Ignition Spark Module. This blue rectangular module features various connection points and a label indicating "Model RI 305" and "P/N: 83.22000.015", along with electrical specifications and spark/sense electrode diagrams.

Important Safety Information

Before attempting any installation, maintenance, or troubleshooting, always prioritize safety. Failure to follow these instructions could result in property damage, personal injury, or death.

- **Disconnect Power:** Always unplug the cooktop from its power source before beginning any work.
- **Shut Off Gas Supply:** Ensure the gas supply to the cooktop is completely shut off.
- **Wear Protective Gear:** Wear work gloves to protect your hands from sharp edges or other hazards.
- **Professional Assistance:** If you are unsure about any step, consult a qualified appliance repair technician.



Image: A red octagonal stop sign held by a person, with text warning users to check their model number before purchasing parts. The text states, "Does your part fit? Many replacement parts look the same but won't fit your model. Don't be fooled! Check your model number before you buy."

Installation (Setup)

This section provides general guidance for replacing the re-ignition spark module. Specific steps may vary depending on your cooktop model. Refer to your appliance's service manual for detailed instructions.

1. **Preparation:** Ensure the cooktop is unplugged and the gas supply is off. Clear the work area around the cooktop.
2. **Access the Module:** Depending on your cooktop design, you may need to remove burner grates, burner caps, control knobs, or lift the cooktop surface to access the spark module.
3. **Disconnect Wiring:** Carefully label and disconnect all wires connected to the old spark module. Take a photograph if necessary to aid reassembly.
4. **Remove Old Module:** Unmount the old spark module from its position. It may be held by screws or clips.
5. **Install New Module:** Position the new Whirlpool W8286828 spark module in the same location as the old one and

secure it.

6. **Reconnect Wiring:** Reconnect all wires to the new module, ensuring they are securely attached to the correct terminals.
7. **Reassemble Cooktop:** Reassemble any parts of the cooktop that were removed to gain access.
8. **Test:** Restore gas and electrical power. Carefully test the cooktop burners to ensure the re-ignition function operates correctly.

Operating Principles

The re-ignition spark module is an automatic safety feature. When a burner is turned on, the module generates a spark to ignite the gas. If the flame is extinguished due to a draft or boil-over, the module senses the absence of flame and automatically generates a series of sparks to relight the burner. This process continues until the flame is re-established or the burner is turned off.

Maintenance

The Whirlpool W8286828 re-ignition spark module is a sealed electronic component and does not require routine maintenance. However, ensuring the surrounding area is clean can help prevent issues.

- **Keep Area Clean:** Regularly clean spills and debris from around the cooktop burners and control area to prevent interference with spark electrodes or module components.
- **Inspect Wiring:** Periodically inspect the wiring connected to the spark module for any signs of damage or loose connections. Ensure power is disconnected before inspection.

Troubleshooting

If your cooktop is experiencing issues related to ignition or flame re-ignition, the spark module may be a contributing factor. Before replacing the module, consider these common troubleshooting steps:

Symptom	Possible Cause	Solution
Burner does not spark at all.	No power to cooktop, faulty spark switch, faulty spark module, loose wiring.	Check power supply. Inspect spark switches for continuity. Verify wiring connections. If other components are functional, the spark module may need replacement.
Only one burner sparks, others do not.	Faulty spark switch for that burner, clogged burner port, wet electrode.	Clean burner ports. Dry electrode. Test individual spark switches. If multiple burners fail, the module might be faulty.
Burner sparks continuously after ignition.	Wet or dirty spark electrode, faulty spark switch, faulty spark module.	Clean and dry the spark electrode. Check for stuck spark switches. If issue persists, the module may be faulty.
Flame goes out and does not re-ignite.	Faulty spark module, dirty or damaged flame sensor/electrode.	Clean or replace the flame sensor/electrode. If the sensor is functional, the re-ignition spark module may be defective.

Note: Always ensure the cooktop is clean and dry, and that burner caps and grates are correctly positioned before troubleshooting ignition issues.

Specifications

Attribute	Detail
Part Number	WP8286828
Brand	Whirlpool
Compatible Brands	Jenn-Air, KitchenAid
Function	Re-Ignition Spark Module for Cooktops
Dimensions (Approx.)	5.31 x 3.62 x 1.25 inches
Fuel Type Compatibility	Gas Cooktops
Substitution For	8286828, 74007767, 7431P049-60, W10110573

Warranty Information

As an Original Equipment Manufacturer (OEM) part, the Whirlpool W8286828 Re-Ignition Spark Module typically carries a limited warranty from Whirlpool or the authorized distributor. Warranty terms can vary based on the point of purchase and region. Please retain your proof of purchase for any warranty claims.
For specific warranty details, it is recommended to:

- Consult the documentation provided with your original appliance.
- Contact Whirlpool customer service directly.
- Refer to the warranty policy of the retailer from whom the part was purchased.

Customer Support

For further assistance, technical support, or to locate authorized service providers, please contact Whirlpool customer support. When contacting support, have your appliance model and serial number, as well as the part number (WP8286828), readily available.
You can typically find contact information on the official Whirlpool website or in your appliance's original user manual.

Image: The Whirlpool brand logo, featuring the word "Whirlpool" in black text with a golden-yellow elliptical swirl encircling the 'o'.

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