

ERP IG9998

ERP IG9998 Universal Gas Range Oven Igniter Instruction Manual

Model: IG9998 | Brand: ERP

1. INTRODUCTION

The ERP IG9998 is a universal gas range oven igniter designed to replace igniters in various gas oven and range models, including those from brands like GE, Electrolux, Whirlpool, and Brown. This component is crucial for the safe and efficient operation of your gas oven, initiating the ignition of gas to heat the oven cavity.

2. SAFETY INFORMATION

WARNING: Working with gas appliances and electrical components can be hazardous. Improper installation or repair can result in fire, explosion, electrical shock, or other injuries. Always prioritize safety.

- **Disconnect Power:** Before attempting any installation or repair, always disconnect the electrical power to the appliance at the circuit breaker or fuse box.
- **Shut Off Gas Supply:** Ensure the gas supply to the appliance is turned off before beginning work.
- **Professional Assistance:** If you are unsure about any step or uncomfortable performing the repair, consult a qualified appliance technician.
- **Ventilation:** Ensure adequate ventilation when working with gas appliances.
- **Check for Leaks:** After installation, always check for gas leaks using a soap and water solution (never an open flame).

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x ERP IG9998 Universal Gas Range Oven Igniter
- 2 x Ceramic Wire Nuts



Image 3.1: The ERP IG9998 igniter with its attached wires.

4. SETUP AND INSTALLATION

This section provides general guidance for installing the ERP IG9998 igniter. Specific steps may vary depending on your oven model. Always refer to your appliance's service manual for detailed instructions.

1. **Prepare the Appliance:** Ensure the oven is completely cool. Disconnect the appliance from its electrical power source and turn off the gas supply.
2. **Access the Igniter:** Depending on your oven model, you may need to remove the oven racks, bottom panel, and/or broiler drawer to access the igniter. Typically, the igniter is located near the gas burner tube at the bottom of the oven cavity.
3. **Remove the Old Igniter:** Locate the existing igniter. It is usually secured by one or two screws. Carefully remove these screws. Cut the wires of the old igniter close to the igniter body, leaving sufficient wire length from the oven's harness for connection.
4. **Prepare New Igniter Wires:** The ERP IG9998 igniter comes with pre-stripped wires. If the stripped portion is less than 7mm, carefully strip additional insulation to ensure a secure connection.
5. **Connect New Igniter:** Twist the exposed copper wires from the oven's harness together with the corresponding wires from the new ERP IG9998 igniter (clockwise for a tight connection). Secure each twisted connection with a ceramic wire nut. Ensure the connections are firm and insulated.



Image 4.1: Close-up view of the igniter wires, ready for connection with ceramic wire nuts.

6. **Mount the New Igniter:** Attach the new igniter to the oven using the original screws. The ERP IG9998 features mounting tabs on both sides for versatility. If an unused tab interferes with installation, it can be carefully bent out of the way or, if necessary, cut with an appropriate tool like a Dremel with an abrasive disc.



Image 4.2: The igniter showing its mounting tabs for secure installation.

7. **Manage Excess Wire:** Tuck any excess wire below the heating platform, ensuring it is clear of moving parts and direct heat sources. The area near the gas safety valve typically remains cool during normal operation.
8. **Reassemble and Test:** Reassemble the oven panels and racks. Restore the gas supply and electrical power. Test the oven by setting it to a baking temperature. Observe the igniter; it should glow bright orange, and then the gas burner should ignite.

5. OPERATING INSTRUCTIONS

The ERP IG9998 igniter functions as a hot surface igniter. When the oven is turned on, the igniter receives electrical current and begins to heat up, glowing bright orange. This heat serves two primary purposes:

- **Gas Ignition:** The igniter reaches a temperature sufficient to ignite the gas flowing from the oven's burner tube.
- **Gas Valve Activation:** The igniter also acts as a sensor, drawing a specific amount of electrical current (typically 3.3-3.6 amps). When this current draw is met, it signals the gas safety valve to open, allowing gas to flow to the burner. If the igniter does not draw enough current (e.g., below 3.1 amps), the gas valve will not open fully, preventing the burner from igniting or causing delayed ignition.

Once the gas ignites, the igniter continues to glow during the heating cycle to maintain the flame and ensure proper operation.

6. MAINTENANCE

The ERP IG9998 is a sealed component and does not require user maintenance. If the igniter shows signs of wear or malfunction, it should be replaced. Regular cleaning of the oven cavity can help prevent debris from accumulating around the igniter, which could potentially affect its performance.

7. TROUBLESHOOTING

If your oven is not heating correctly or experiencing ignition issues, consider the following common problems related to the igniter:

- **Oven Takes a Long Time to Preheat:** This is a common symptom of a failing igniter. Even if the igniter glows, its electrical resistance may have increased, causing it to draw insufficient current (below the required 3.1-3.6 amps) to fully open the gas safety valve. The gas flow will be reduced, leading to slow preheating.
- **Igniter Glows but Gas Does Not Ignite:** Similar to slow preheating, this indicates the igniter is not drawing enough current to open the gas valve completely, or the igniter is not getting hot enough to ignite the gas.
- **No Glow from Igniter:** If the igniter does not glow at all when the oven is turned on, it may be completely failed (open circuit) or there could be an issue with the electrical supply to the igniter.

- **Igniter Fails to a Short:** While less common, a shorted igniter can damage the gas safety valve due to excessive current flow.

If you suspect the igniter is faulty, replacement is typically the solution. Always ensure power and gas are disconnected before inspection or replacement.

8. SPECIFICATIONS

Model Name	IG9998
Part Number	ERIG9998
Brand	ERP (Exact Replacements)
Material	Ceramic
Compatible Devices	Household Range / Oven
Item Weight	0.64 ounces (18.14 g)
Product Dimensions	10.5 x 3.25 x 2.25 inches
Certification	UL Listed
UPC	840993011009

9. WARRANTY INFORMATION

This ERP IG9998 Universal Gas Range Oven Igniter comes with a **1-year warranty** from the manufacturer, Exact Replacements. Please retain your proof of purchase for any warranty claims. The warranty covers defects in materials and workmanship under normal use.

10. SUPPORT

For further assistance or technical support regarding the ERP IG9998 igniter, please refer to the manufacturer's official website or contact their customer service department. Always provide your product model number (IG9998) and any relevant purchase information when seeking support.