

## Owigift Owigift Range Oven Burner Igniter

# Owigift Range Oven Burner Igniter Instruction Manual

For Kenmore Range Models

## 1. PRODUCT OVERVIEW

This manual provides instructions for the installation and maintenance of the Owigift Range Oven Burner Igniter. This component is designed to replace the original igniter in compatible Kenmore range oven models, ensuring proper gas ignition for heating.

The igniter is a critical safety and functional component in gas ovens. When activated, it heats up to a high temperature, allowing gas to flow and ignite, thereby heating the oven cavity.

## 2. SAFETY INFORMATION

- **Disconnect Power:** Always disconnect the electrical power to the range before attempting any installation, repair, or maintenance. Failure to do so can result in electric shock or serious injury.
- **Shut Off Gas Supply:** Turn off the gas supply to the range before beginning any work. Gas leaks can cause fire or explosion.
- **Professional Installation Recommended:** Installation of gas appliance parts should ideally be performed by a qualified technician. If you are unsure about any step, consult a professional.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection, during installation.
- **Handle with Care:** Igniters are fragile. Avoid dropping or striking the ceramic portion, as this can cause damage and render the part inoperable.

## 3. PACKAGE CONTENTS

- 1x Owigift Range Oven Burner Igniter

## 4. COMPATIBILITY

This Owigift Range Oven Burner Igniter is compatible with various Kenmore range models, including but not

limited to:

- 790.73433312
- 790.73232312
- 790.73239310
- FGF348KCF, FGF348KCK, FFGF3017LSD, FFGF3011LWF, FFGF3052TSD, FFGF3011LWD, FFGF3019LWE, FFGF3047LSF, LFGF3052TFA, FGF337GCB, FGF328GMG, FFGF3047LSJ, FGF354BGDE, FGF348KCD, LFGF3014LBC, FGF348KCN, FFGF3017LWD, FFGF3005MWB, FFGF3012TWC, LFGF3052TFB, FFGF3012TWA, FGF348KCB, FGF337GCG, FFGF3047LSH, FFGF3017LBA, FFGF3017LBB, FFGF3017LBC, FGF337ECD, FGF348KCJ, FFGF3011LWJ, FFGF3019LBA, FFGF3052TSA, FGF337GCA, FGF328GSB, FFGF3049LSF, FFGF3015LMD, FGF348KSH, FFGF3011LBD, FGF348KCA, FFGF3015LWD, FFGF3012TBB
- 790.73439314, 790.73433314, 790.71202701, 790.70603013, 790.70613210, 790.73232310, 790.73232311, 790.73433310, 790.73033310, 790.73032315, 790.73032310, 790.73439310, 790.73432310

If you are unsure about compatibility, please contact customer support with your appliance's model number.

## 5. INSTALLATION INSTRUCTIONS

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**Tools Required:** Screwdriver (Phillips and/or flathead), Pliers, Wire strippers/connectors (if necessary), Work gloves, Safety glasses.

### 1. Prepare the Range:

- Disconnect the range from the electrical power outlet.
- Turn off the gas supply valve to the range.
- Allow the oven to cool completely if it has been recently used.

### 2. Access the Igniter:

- Open the oven door and remove the oven racks.
- Locate the oven floor panel. Depending on your model, you may need to remove screws securing it. Lift and remove the oven floor panel.
- The igniter is typically located near the gas burner tube at the bottom of the oven cavity.

### 3. Remove the Old Igniter:

- Carefully disconnect the wires leading to the old igniter. Note their connection points.
- Unscrew the mounting screws that secure the igniter to the burner assembly or oven frame.
- Gently remove the old igniter.

### 4. Install the New Igniter:

- Position the new Owigift igniter in the same location as the old one.
- Secure it with the mounting screws. Do not overtighten.
- Connect the igniter wires. Ensure connections are secure. If the new igniter has bare wires, you may need to use ceramic wire nuts or crimp connectors (not included) to connect them to the existing oven wiring.

### 5. Reassemble and Test:

- Replace the oven floor panel and secure it with screws.

- Replace the oven racks.
- Restore the gas supply to the range.
- Reconnect the electrical power to the range.
- Turn on the oven to a bake setting and observe the igniter. It should glow bright orange/red within 30-60 seconds, followed by the ignition of the gas burner.
- Check for any gas leaks around the burner area after ignition. If you smell gas, immediately turn off the gas supply and power, and ventilate the area.



Figure 1: Owigift Range Oven Burner Igniter. A close-up view of the igniter, featuring a metallic housing with a black ceramic heating element visible inside, connected to two white insulated wires with a white plastic connector and a metal spade connector at their ends. A warning label is attached to one of the wires.

## 6. OPERATING PRINCIPLES

The Owigift Range Oven Burner Igniter operates as a glow-bar igniter. When the oven is turned on, electrical current flows through the igniter, causing its silicon carbide element to heat up and glow. This glowing element serves two purposes:

- It acts as a heat source to ignite the gas flowing from the burner.
- It acts as a sensor, drawing a specific amount of current when hot enough. This current draw signals the gas valve to open, allowing gas to flow to the burner.

If the igniter does not reach the correct temperature or draw sufficient current, the gas valve will not open, and the oven will not heat.

## 7. MAINTENANCE

The igniter itself requires minimal maintenance. However, regular inspection of your oven's components can help ensure longevity and proper function:

- **Keep Clean:** Ensure the area around the igniter and burner is free from food debris or spills, which can obstruct gas flow or igniter function.

- **Visual Inspection:** Periodically inspect the igniter for any visible cracks or damage to the ceramic element. A damaged igniter should be replaced.
- **Wiring:** Check the igniter's wiring for any signs of fraying, burning, or loose connections.

## 8. TROUBLESHOOTING

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If your oven is not heating correctly after igniter replacement, consider the following:

- **Igniter Glows, But No Gas Ignition:**
  - The igniter may not be drawing enough current to open the gas valve, even if it glows. This indicates a weak igniter that needs replacement.
  - Check for obstructions in the gas burner ports.
  - Ensure the gas supply valve is fully open.
- **Igniter Does Not Glow:**
  - Verify that the range has electrical power and the circuit breaker has not tripped.
  - Check all wire connections to the igniter for looseness or damage.
  - The igniter itself may be faulty or broken.
- **Oven Heats Slowly or Unevenly:**
  - A weak igniter can cause delayed ignition or insufficient gas flow, leading to poor heating performance.

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

## 9. SPECIFICATIONS

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- **Product Type:** Range Oven Burner Igniter
- **Brand:** Owigift
- **Part Number:** 1 (Generic replacement part number)
- **Compatibility:** Designed for specific Kenmore range models (refer to Section 4 for a list).

## 10. CUSTOMER SUPPORT

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For questions regarding compatibility, installation, or any other product-related inquiries, please contact Owigift customer support. We aim to resolve your problem within 24 hours.

Please have your appliance's full model number available when contacting support to ensure accurate assistance.