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> Owgift Range Oven Burner Igniter Instruction Manual for Kenmore Models

Owgift Oven Burner Igniter

Owgift Range Oven Burner Igniter Instruction Manual

For Kenmore Oven Models: 790.73433310, 790.73033310, and others

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Owgift Range Oven Burner Igniter. This component is designed to replace the igniter in various Kenmore range and oven models, ensuring proper ignition of the oven burner for consistent heating.

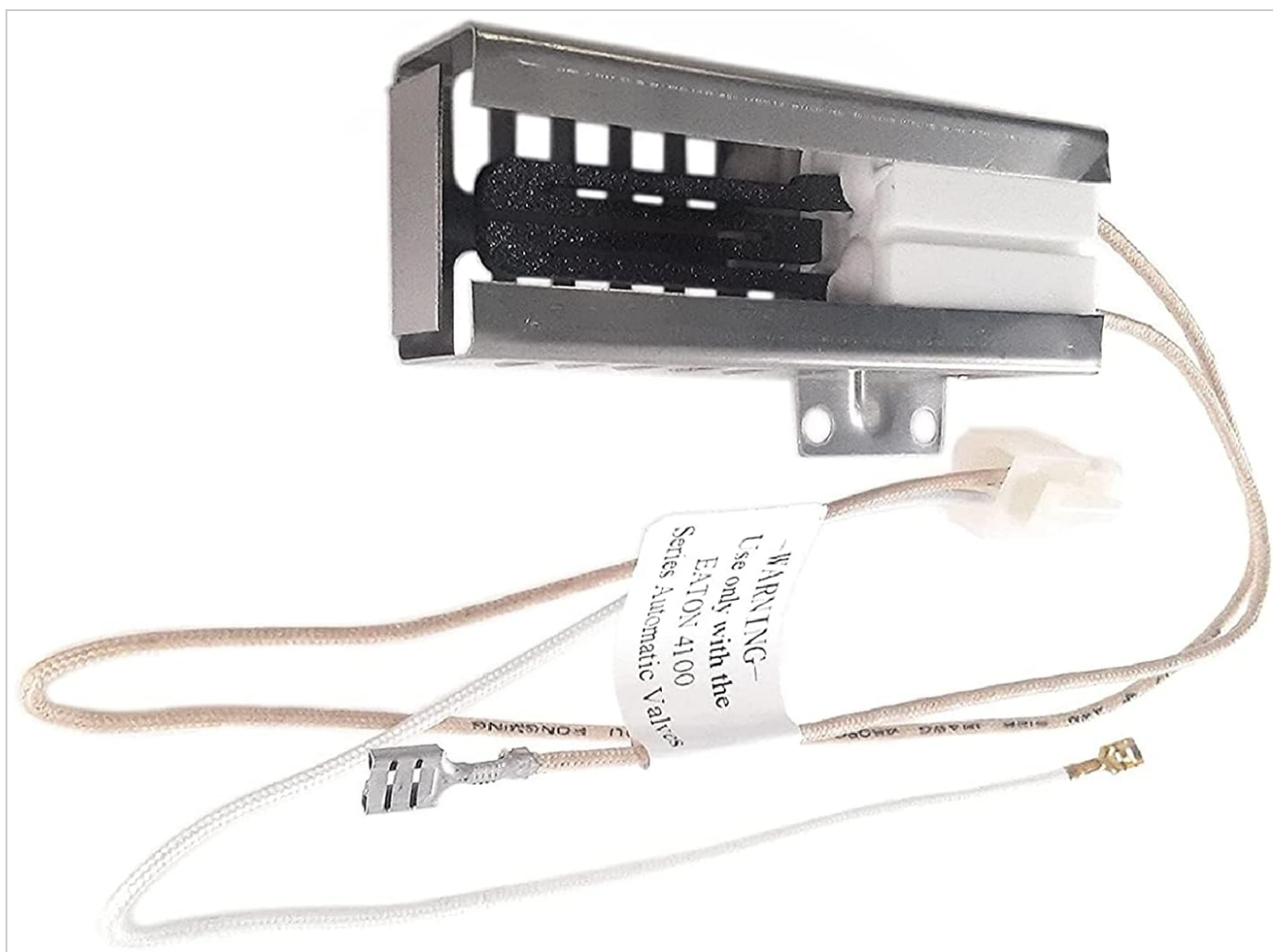


Figure 1.1: The Owigift Range Oven Burner Igniter. This image displays the igniter unit, featuring a metallic bracket, a black igniter element, white ceramic insulation, and two electrical wires with connectors.

2. SPECIFICATIONS

- **Manufacturer:** Owigift
- **Part Number:** 1 (Generic)
- **Product Type:** Range Oven Burner Igniter
- **Compatibility:** Designed for various Kenmore range and oven models. Refer to Section 3 for a detailed list.

3. COMPATIBILITY

This igniter is a replacement part compatible with a wide range of Kenmore oven and range models. Please verify your appliance's model number before installation to ensure proper fit and function.

Known Compatible Kenmore Models:

- 790.73433310
- 790.73033310
- 790.73032315
- 790.73032310
- 790.73439310
- 790.73432310
- 790.73439314
- 790.73433314
- 790.71202701
- 790.70603013
- 790.70613210
- 790.73232310
- 790.73232311
- 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

Note: If your specific model number is not listed, please contact the manufacturer or a qualified technician to confirm compatibility before purchase and installation.

4. INSTALLATION INSTRUCTIONS (SETUP)

WARNING: Before beginning any installation or repair work on your oven, ensure the appliance is completely disconnected from its power source (unplugged or circuit breaker turned off) and the gas supply is shut off. Failure to do so can result in electric shock, gas leak, fire, or serious injury. It is recommended that installation be performed by a qualified technician.

Required Tools:

- Screwdriver (Phillips and/or Flathead, depending on oven model)
- Work gloves
- Flashlight (optional, for better visibility)

Installation Steps:

1. **Disconnect Power and Gas:** Ensure the oven is unplugged from the electrical outlet and the gas supply valve is turned off.
2. **Access the Oven Interior:** Open the oven door. Remove the oven racks. Depending on your oven model, you may need to remove the oven bottom panel. This usually involves lifting the front edge and sliding it out, or removing a few screws.
3. **Locate the Old Igniter:** The igniter is typically located near the oven burner tube, often attached to the burner assembly.

4. **Disconnect Wiring:** Carefully disconnect the electrical wires leading to the old igniter. Note their connection points or take a picture for reference. The igniter wires usually connect to a ceramic wire nut or a quick-disconnect terminal.
5. **Remove Old Igniter:** Unscrew the mounting screws that secure the old igniter to the burner assembly or oven frame. Carefully remove the old igniter.
6. **Install New Igniter:** Position the new Owigift igniter in the same location as the old one. Secure it with the mounting screws. Ensure it is firmly attached and correctly oriented.
7. **Connect Wiring:** Connect the new igniter's electrical wires to the oven's wiring, matching the connections you noted earlier. Ensure connections are secure.
8. **Reassemble Oven:** Replace the oven bottom panel and oven racks. Close the oven door.
9. **Restore Power and Gas:** Turn the gas supply back on and plug the oven back into the electrical outlet or restore power at the circuit breaker.
10. **Test Operation:** Turn on the oven to a baking temperature. Observe the igniter. It should glow bright orange within 30-60 seconds, and then the gas should ignite, producing a flame.

If the oven does not ignite or if you detect a gas smell, immediately turn off the gas supply and disconnect power. Do not attempt to operate the oven. Contact a qualified service technician.

5. OPERATING PRINCIPLE

The oven burner igniter is a critical safety and functional component in gas ovens. When the oven is turned on, the igniter receives electrical current and begins to heat up, glowing bright orange. This heat serves two purposes:

- **Ignition:** The intense heat from the glowing igniter ignites the gas flowing from the oven burner.
- **Safety Valve Control:** As the igniter heats, its electrical resistance changes. This change in resistance is detected by the oven's safety valve. Once the igniter reaches a sufficient temperature (typically 1800-2500°F or 980-1370°C), the safety valve opens, allowing gas to flow to the burner. If the igniter fails to heat sufficiently, the safety valve will not open, preventing unignited gas from accumulating in the oven.

A properly functioning igniter ensures safe and efficient operation of your gas oven.

6. MAINTENANCE

Oven igniters are wear-and-tear components and generally do not require routine maintenance. However, following these guidelines can help ensure optimal performance and longevity:

- **Keep Clean:** Avoid excessive spills or food debris accumulating around the igniter and burner area. Clean any spills promptly after the oven has cooled and power is disconnected.
- **Gentle Handling:** Igniters are fragile. Avoid bumping or applying force to the igniter during oven cleaning or other maintenance.
- **Regular Inspection:** Periodically, with the power and gas disconnected, visually inspect the igniter for any signs of damage, cracks, or excessive carbon buildup.

7. TROUBLESHOOTING

If your oven is experiencing issues related to ignition, the igniter may be the cause. Always ensure power and gas are disconnected before inspecting components.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Oven not heating / No ignition	Igniter is weak or failed (glows dimly or not at all)	Replace the igniter. A weak igniter may not generate enough heat to open the gas valve.
Oven takes a long time to ignite	Igniter is failing or has reduced efficiency	Replace the igniter. Over time, igniters can lose their ability to heat quickly.
Gas smell without ignition	Igniter not heating sufficiently to open safety valve, or gas valve issue	Immediately turn off gas and power. Do not attempt to operate. Contact a qualified technician. This is a serious safety concern.
Igniter glows, but no gas ignition	Gas supply issue, clogged burner, or faulty gas valve	Verify gas supply to the oven. Inspect burner ports for clogs. If issues persist, contact a qualified technician.

For complex issues or if you are uncomfortable performing repairs, it is always best to consult a certified appliance repair technician.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, returns, or technical support for your Owigift Range Oven Burner Igniter, please refer to the purchase documentation or contact Owigift customer service directly.

If you are unsure about the compatibility of this part with your appliance, please contact the seller for advice.

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