

316489403_new

Generic Range Oven Gas Igniter 316489403_new User Manual

Instruction manual for the Generic Range Oven Gas Igniter, model 316489403_new, compatible with various Kenmore oven models.

1. SAFETY INFORMATION

Please read all safety instructions carefully before attempting to install or operate this product. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Disconnect Power:** Always disconnect the electrical power to the range/oven at the circuit breaker or fuse box before beginning any installation or repair.
- **Disconnect Gas Supply:** Turn off the gas supply to the range/oven before beginning any installation or repair.
- **Qualified Technician:** Installation and service should be performed by a qualified technician.
- **Wear Protective Gear:** Wear appropriate personal protective equipment, such as gloves and safety glasses, during installation.
- **Handle with Care:** The igniter element is fragile. Handle it with extreme care to prevent breakage.

2. PRODUCT OVERVIEW

This product is a replacement gas oven igniter, part number 316489403_new. It is designed to heat up and ignite the gas in your oven's burner. This igniter is compatible with various Kenmore range and oven models, including but not limited to: 790.74033311, 790.74039311, 790.79653709, 790.74133314, 790.71363709, 790.72719211, 790.74339312, and 790.78618509. It also replaces part numbers 760-423, A04454501, AP4433236, and PS2364063.

The igniter features a two-prong Molex plug for electrical connection.

3. SETUP AND INSTALLATION

This section outlines the general procedure for replacing a gas oven igniter. Specific steps may vary slightly depending on your oven model. Always refer to your appliance's service manual for detailed instructions.

3.1. Tools Required

- Screwdriver (Phillips and/or Flathead)
- Nut Driver or Socket Wrench (appropriate size for oven screws)
- Work Gloves
- Safety Glasses

3.2. Installation Steps

1. Prepare the Oven:

Ensure the oven is cool. Disconnect the oven from its electrical power supply at the circuit breaker and turn off the gas supply valve.

2. Access the Igniter:

Open the oven door and remove the oven racks. Locate and remove the screws holding the oven floor panel in place. Carefully lift and remove the oven floor panel to expose the burner assembly and igniter.

3. Locate the Old Igniter:

The igniter is typically mounted near the gas burner tube. It will have two wires connected to it.

4. Disconnect the Old Igniter:

Carefully disconnect the two-prong Molex plug connecting the old igniter to the oven's wiring harness. You may need to gently squeeze the tabs on the connector to release it. Remove the screws holding the old igniter in place and carefully detach it from the burner assembly.



Image: The Generic Range Oven Gas Igniter, model 316489403_new, showing its full assembly with the ceramic igniter element and wiring.

5. Install the New Igniter:

Attach the new igniter to the burner assembly using the original screws. Ensure it is securely fastened and positioned correctly according to your oven's design. Connect the two-prong Molex plug of the new igniter to the oven's wiring harness. Ensure the connection is firm and secure.

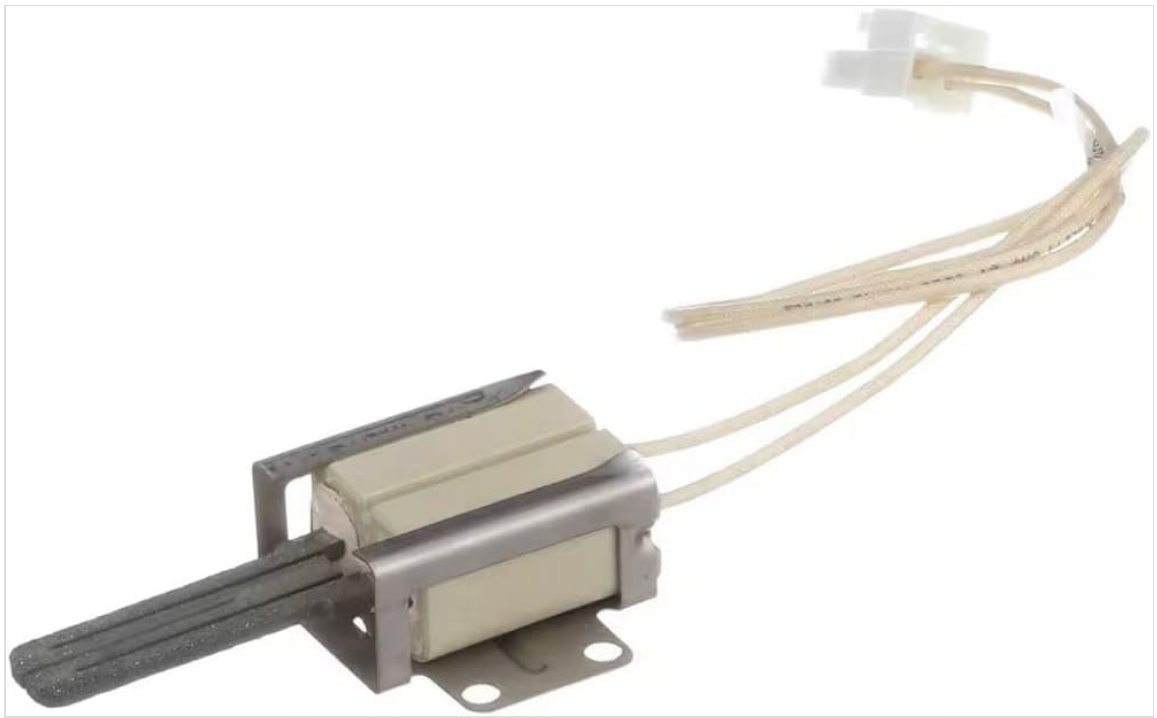


Image: The gas oven igniter with its attached wiring and two-prong Molex connector.



Image: A close-up view of the ceramic igniter element, which glows to ignite the gas.



Image: A detailed view of the two-prong Molex plug, used for electrical connection to the oven's wiring harness.

6. Reassemble the Oven:

Replace the oven floor panel and secure it with its screws. Reinstall the oven racks.

7. Restore Power and Gas:

Turn the gas supply back on. Restore electrical power to the oven at the circuit breaker.

8. Test Operation:

Set the oven to bake at a moderate temperature (e.g., 350°F). Observe the igniter. It should glow bright orange within 30-60 seconds, followed by the ignition of the gas burner. If the burner does not ignite, turn off the oven and refer to the troubleshooting section.

4. OPERATION

The gas oven igniter operates automatically when the oven is set to a bake or broil function. When the oven control calls for heat, electrical current flows through the igniter, causing it to heat up and glow. Once the igniter reaches a sufficient temperature, it opens the gas valve, allowing gas to flow to the burner. The hot igniter then ignites the gas, and the burner flame is established. The igniter continues to glow as long as the oven is heating to maintain the flame.

5. MAINTENANCE

The gas oven igniter is a sealed component and generally does not require routine maintenance. However, to ensure optimal performance and longevity of your oven components:

- Keep the oven interior clean to prevent grease and food debris from accumulating on or around the igniter and burner.

- Avoid harsh chemical cleaners near the igniter, as they could damage its ceramic material.
- If you notice slow ignition or inconsistent heating, it may indicate a weakening igniter, which should be inspected by a qualified technician.

6. TROUBLESHOOTING

If your oven is not igniting or heating properly after igniter replacement, consider the following:

Problem	Possible Cause	Solution
Igniter glows but gas does not ignite.	Igniter is not reaching sufficient temperature to open the gas valve.	Ensure the igniter is correctly installed and not damaged. If it glows but doesn't ignite gas after 60-90 seconds, the igniter may be weak and require replacement.
Igniter does not glow at all.	No power to the igniter, faulty igniter, or wiring issue.	Check if power is restored to the oven. Verify the igniter's electrical connection. Inspect wiring for damage. If connections are good, the igniter may be faulty.
Gas smell without ignition.	Gas valve opening without igniter functioning, or gas leak.	Immediately turn off gas supply and electrical power. Ventilate the area. Do not attempt to operate the oven. Contact a qualified technician for inspection.

7. SPECIFICATIONS

Feature	Detail
Part Number	316489403_new
Replaces Part Numbers	760-423, A04454501, AP4433236, PS2364063
Product Dimensions	9 x 3 x 3 inches
Included Components	1 x Gas Oven Range Igniter 316489403_new
Connection Type	Two-Prong Molex Plug
Compatibility	Compatible with various Kenmore range/oven models (e.g., 790.74033311 series)

8. WARRANTY INFORMATION

This product comes with a 1-month warranty from the date of purchase. This warranty covers manufacturing defects. Please retain your proof of purchase for any warranty claims. The warranty does not cover damage due to improper installation, misuse, or normal wear and tear.

9. SUPPORT

For technical assistance or inquiries regarding this product, please contact the manufacturer, EnjoyShop777. Refer to your purchase documentation for specific contact details.