

Frigidaire 316489400

Frigidaire 316489400 Bake Igniter Instruction Manual

1. PRODUCT OVERVIEW

The Frigidaire 316489400 Bake Igniter is a genuine OEM (Original Equipment Manufacturer) part designed to ignite the bake burner in gas-fueled ovens on ranges. This high-quality component ensures reliable operation and is engineered to exact specifications for optimal performance. This igniter replaces several part numbers, including 1197384, 316428500, 316428501, 5304462661, 7316489400, AH1528534, EA1528534, and PS1528534.

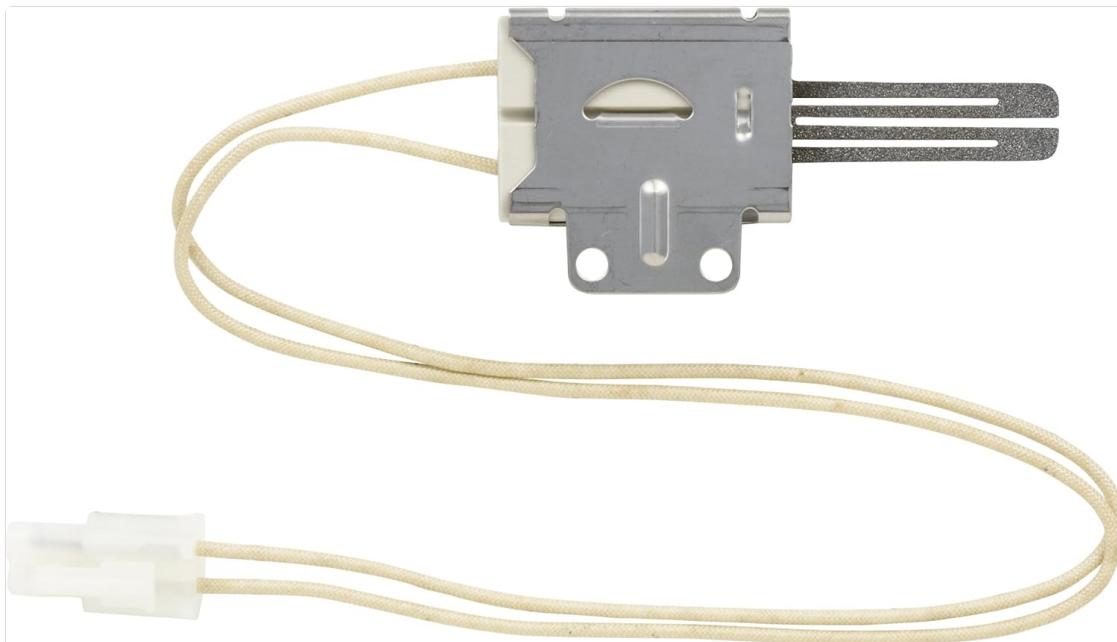


Image 1: Frigidaire 316489400 Bake Igniter, showing the ceramic igniter element and wiring.

Key Features:

- **Genuine OEM Part:** Designed and engineered to precise specifications for compatibility and performance.
- **Function:** Ignites the bake burner in gas ranges.

- **Material:** High-quality construction for durability and consistent ignition.

2. SAFETY INFORMATION

WARNING: Before attempting any service or repair, it is crucial to disconnect the appliance from all utilities (gas and electricity). Failure to do so can result in electric shock, gas leaks, fire, or serious personal injury.

- Always wear appropriate safety equipment, such as gloves and eye protection.
- Ensure the work area is well-ventilated.
- If you are not confident in performing the repair, it is recommended to consult a trained service professional.
- Refer to your appliance's owner's manual for specific instructions and safety precautions related to your model.

3. COMPATIBILITY

This bake igniter is compatible with various Frigidaire gas ranges and other brands that use the specified part numbers. To ensure correct fitment, always verify the part number against your appliance's model number, typically found on a label around the oven door opening.

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Video 1: This video from Supplying Demand explains how to locate your range, stove, or oven model number to determine part compatibility.

Be Sure, Check First

Confirm part number
with appliance manufacturer.



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Part # **316489400**
Ignitor

Genuine OEM Replacement Parts

Image 2: The Frigidaire 316489400 igniter, highlighting the part number for verification.

4. INSTALLATION AND SETUP

Replacing a bake igniter requires careful handling due to its fragile nature. The component is sensitive to contamination and physical shock. Follow these general steps, but always refer to your specific appliance's service manual for detailed instructions.

General Installation Steps:

- Disconnect Power and Gas:** Turn off the electrical power to the range at the circuit breaker and shut off the gas supply valve.
- Access the Oven Cavity:** Open the oven door and remove the oven racks. Depending on your model, you may need to remove the bottom oven panel and/or the flame spreader to access the igniter.
- Locate the Igniter:** The bake igniter is typically located near the gas burner tube at the bottom of the oven.
- Disconnect Wiring:** Carefully disconnect the electrical connector from the old igniter. Avoid touching the ceramic part of the igniter as oils from your skin can shorten its lifespan.
- Remove Old Igniter:** Unscrew the mounting screws that secure the igniter to the burner tube or oven floor.
- Install New Igniter:** Attach the new Frigidaire 316489400 igniter using the original mounting screws.

7. **Connect Wiring:** Connect the new igniter's electrical connector. Ensure a secure connection.
8. **Reassemble:** Replace the flame spreader and bottom oven panel, then the oven racks.
9. **Restore Utilities:** Turn the gas supply back on and restore electrical power to the range.
10. **Test Operation:** Set the oven to bake at a moderate temperature and observe if the igniter glows and the burner ignites properly.

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Video 2: This video from LVGUO LLC provides a visual overview of the 316489400 igniter and its components, which can aid in understanding the installation process.

Video 3: This video from OYENDE showcases the 316489403 Gas Range Oven Igniter, demonstrating its physical characteristics and components.

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5. OPERATING INSTRUCTIONS

The bake igniter operates automatically when the oven is set to a bake temperature. It is designed to glow and heat sufficiently to open the gas valve and ignite the gas flowing to the burner.

- Upon selecting a bake function and temperature, the igniter will begin to heat.
- Once the igniter reaches a sufficient temperature (typically 1800°F - 3100°F), it will allow the gas valve to open.
- The gas will then flow over the hot igniter, causing it to ignite and produce a flame.
- The igniter will continue to glow during the bake cycle to maintain the flame.

6. MAINTENANCE

The Frigidaire 316489400 Bake Igniter is a sealed unit and does not require routine maintenance. However, proper care of your oven can help prolong the life of all its components, including the igniter.

- Keep the oven cavity clean to prevent grease and food debris from accumulating near the igniter or burner.
- Avoid harsh chemical cleaners directly on the igniter or burner components.
- Regularly inspect the igniter for any visible signs of damage or excessive wear.

7. TROUBLESHOOTING

If your oven is experiencing issues related to heating or ignition, the bake igniter may be a contributing factor. Here are common symptoms and potential causes:

Symptom	Possible Cause
Oven not heating or taking a long time to heat	Weak or failing igniter that is not drawing enough current to open the gas valve fully or quickly.
Oven not lighting (no flame)	Igniter is burned out or broken, preventing it from heating sufficiently to ignite gas.

Symptom	Possible Cause
Unpleasant gas smell when oven is on	Igniter is weak, allowing gas to escape before ignition, or the gas valve is not closing properly.
Oven igniter glows but no flame	Igniter is not reaching sufficient temperature to open the gas valve, or the gas valve itself is faulty.

If you encounter these issues, consider inspecting the igniter for visible damage or testing its resistance/current draw if you have the appropriate tools and expertise. Always ensure safety precautions are followed.

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Video 4: This video from GEApplianceParts.com provides an overview of hot surface igniters, including their function and common issues they resolve.

8. SPECIFICATIONS

Detailed specifications for the Frigidaire 316489400 Bake Igniter:

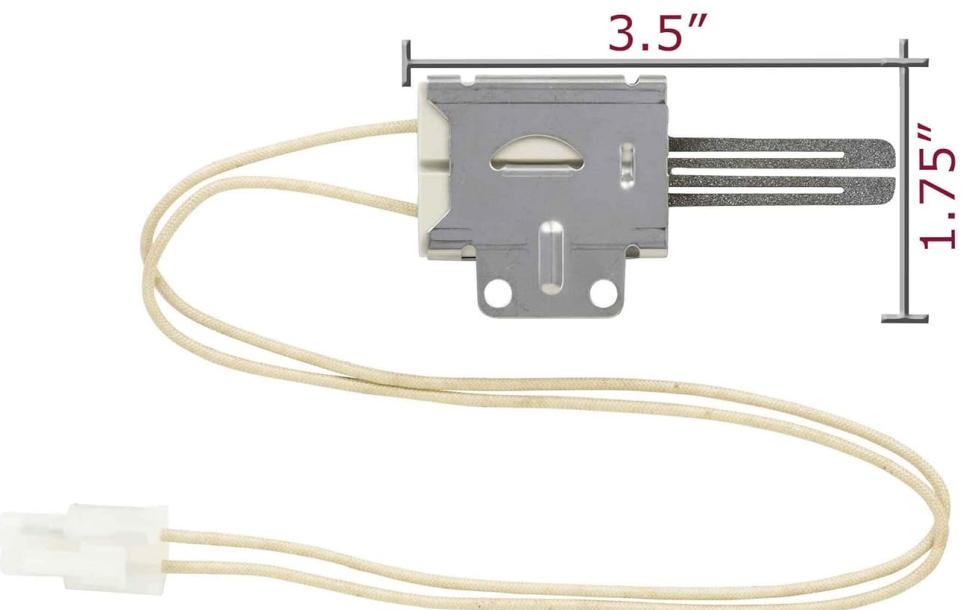
- **Part Number:** 316489400
- **Item Weight:** 4.2 ounces
- **Product Dimensions:** 1.5 x 2.5 x 3.5 inches (Igniter body only)
- **Overall Length (with wire):** Approximately 20 inches
- **Voltage:** 120V (typical for gas oven igniters)
- **Material:** Silicon Carbide (for the heating element)

316489400

Length: 3.5 inches (20" w/ wire)

Width: 1.75 inches

Height: 0.75 inch



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Image 3: Visual representation of the igniter's dimensions, including length, width, and height.

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Video 5: This video from Supplying Demand provides detailed measurements of the 316489400 gas range igniter, including its overall length and connector size.

9. WARRANTY AND SUPPORT

As a genuine OEM part, the Frigidaire 316489400 Bake Igniter is manufactured to high standards. For specific warranty information, please refer to the documentation provided with your original appliance or contact Frigidaire customer support directly. Keep your purchase receipt for any warranty claims.

For further assistance or technical support, please consult your appliance's owner's manual or contact a qualified appliance technician.



[Frigidaire Gallery Gas Range Quick Start Guide - GCFG3060BF](#)

A concise quick start guide for the Frigidaire Gallery Gas Range (model GCFG3060BF), covering essential setup, cooktop basics, oven controls, various cooking modes, griddle usage, and FAQs. Learn to operate your new Frigidaire gas range efficiently.



[Frigidaire Professional Dual Fuel Range: Getting Started Guide](#)

A concise guide to setting up and operating your Frigidaire Professional Dual Fuel Range, covering oven setup, clock setting, first-time use, gas cooktop basics, burner operation, flame adjustment, and oven controls.



[Frigidaire 30" Front Control Freestanding Gas Range Installation Instructions](#)

Comprehensive installation guide for the Frigidaire 30" Front Control Freestanding Gas Range, detailing safety warnings, required clearances, tools, materials, gas and electrical connections, anti-tip bracket installation, and operational checks.



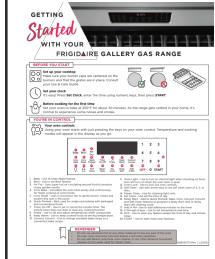
[Frigidaire Professional Dual Fuel Range: Getting Started Guide](#)

A concise guide to getting started with your Frigidaire Professional Dual Fuel Range, covering setup, cooktop basics, oven controls, and quick care instructions.



[Frigidaire Gallery Quick Guide: Stone-Baked Pizza and Oven Modes](#)

Comprehensive quick guide for Frigidaire Gallery ovens, detailing how to use the Stone-Baked Pizza feature, set up your appliance, and navigate various oven modes like Air Fry and Convection Bake.



[Frigidaire Gallery Gas Range Quick Start Guide - Setup, Controls, and Care](#)

Get started with your Frigidaire Gallery Gas Range. This guide covers setup, oven controls, Air Fry, quick care, FAQs, and owner support for models like GCRG3060X.

