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Owigift NX58R5601SG/AA

Gas Range Oven Burner Igniter Replacement Manual

For Samsung Gas Ranges (Various Models)

Introduction

This manual provides essential information and instructions for the replacement of the gas range oven burner igniter. This component is crucial for the proper ignition of your oven's gas burner. It is designed as an aftermarket replacement part compatible with various Samsung gas range models.

Proper installation is vital for safe and efficient operation. Please read all instructions carefully before proceeding with the replacement.

Important Safety Information

WARNING: Always prioritize safety when working with gas appliances. Failure to follow these instructions could result in fire, explosion, electric shock, or personal injury.

- **Disconnect Power and Gas:** Before beginning any work, ensure the gas supply to the range is turned off and the appliance is unplugged from the electrical outlet or the circuit breaker is tripped.
- **Allow Cooling:** Ensure the oven and burner components have completely cooled down before handling to prevent burns.
- **Ventilation:** Work in a well-ventilated area.
- **Protective Gear:** Wear appropriate personal protective equipment, such as gloves and eye protection.
- **Professional Assistance:** If you are unsure about any step or uncomfortable performing the replacement, consult a qualified appliance technician.
- **Check for Damage:** Inspect the new igniter for any visible damage before installation. Do not install a damaged part.

Model Compatibility

This igniter is an aftermarket replacement part compatible with numerous Samsung gas range oven models. Please verify your specific model number against the list below to ensure compatibility.

To quickly find your model number, use the "Ctrl + F" (or "Command + F" on Mac) search function in your browser.

Compatible Models include, but are not limited to:

NX58R5601SG/AA, NX58R5601SS/AA

NX58R6631SG/AA, NX58R6631SS/AA, NX58R6631ST/AA

NX58R9421SG/AA, NX58R9421SS/AA, NX58R9421ST/AA

FX510BGS/XAA, FX510BGS/XAC, FX710BGS/XAA, FX710BGS/XAC

NX36R9966PM/AA, NX36R9966PS/AA

NX583G0VBBB/AA, NX583G0VBSR/AA, NX583G0VBSR/AC, NX583G0VBWW/AA, NX583G0VBWW/AC

NX58F5300SS/AA, NX58F5500SB/AA, NX58F5500SS/AA, NX58F5500SW/AA, NX58F5700WS/AA, NX58F5700WS/AC

NX58H5600SS/AA, NX58H5600SS/AC, NX58H5650WS/AA, NX58H5650WS/AC, NX58H9500WS/AA, NX58H9500WS/AC, NX58H9950WS/AA, NX58H9950WS/AC

NX58J5600SG/AA, NX58J7750SG/AA, NX58J7750SS/AA, NX58J7750SS/AC

NX58K3310SB/AA, NX58K3310SS/AA, NX58K3310SW/AA, NX58K7850SG/AA, NX58K7850SS/AA, NX58K9500WG/AA, NX58K9500WG/AC, NX58K9850SG/AA, NX58K9850SS/AA, NX58K9852SG/AA

NX58M5600SB/AA, NX58M5600SW/AA, NX58M6630SG/AA, NX58M6630SS/AA, NX58M6650WG/AA, NX58M6650WS/AA, NX58M6850SG/AA, NX58M6850SS/AA, NX58M9420SS/AA, NX58M9960PM/AA, NX58M9960PS/AA, NX58M9962PM/AA, NX58M9962PS/AA

NX58N9420SG/AA

If your model number is not listed or you are unsure about compatibility, please contact customer support for assistance.

Installation Instructions

The following steps outline the general procedure for replacing a gas oven igniter. Specific steps may vary slightly depending on your exact range model. Always refer to your appliance's original service manual if available.

1. **Preparation:**

   Ensure the range is completely cool. Turn off the gas supply valve to the range and unplug the range from the electrical outlet. If the range is hard-wired, turn off the corresponding circuit breaker.

2. **Access the Oven Burner:**

   Open the oven door. Remove the oven racks and any bottom panels or burner covers that obstruct access to the igniter. These are typically held in place by screws or clips.



Figure 1: The new gas range oven burner igniter, showing its ceramic block and metal housing. This is the component you will be installing.

3. **Locate the Old Igniter:**

   The igniter is usually located near the gas burner tube, often attached to the burner assembly itself. It is a fragile, ceramic-like component that glows when heated.

4. **Disconnect Wiring:**

   Carefully disconnect the electrical wires leading to the old igniter. Note the orientation of the wires if there are multiple connections, though most igniters have a simple two-wire connector.



Figure 2: Side view of the igniter, highlighting the wiring harness and connector. Ensure these match your existing connections.

5. **Remove Old Igniter:**

   Unscrew any mounting screws that secure the igniter to the burner assembly or oven frame. Carefully remove the old igniter, being mindful of its brittle nature.

6. **Install New Igniter:**

   Position the new igniter in the same location and orientation as the old one. Secure it with the mounting screws. Do

not overtighten, as this can damage the igniter or its mounting bracket.



Figure 3: Top-down view of the igniter, showing the heating element. This view helps in understanding the component's structure during installation.

7. **Reconnect Wiring:**

   Connect the electrical wires to the new igniter. Ensure connections are secure and properly seated.

8. **Reassemble:**

   Replace any panels, burner covers, and oven racks that were removed. Ensure all components are securely in place.

9. **Test Operation:**

   Restore the electrical power and turn on the gas supply. Carefully test the oven burner by setting it to bake. Observe if the igniter glows and the gas ignites properly. Listen for any gas leaks (a distinct gas smell). If you detect a gas smell, immediately turn off the gas supply and ventilate the area, then contact a qualified technician.

Operating the Igniter

Once correctly installed, the igniter operates automatically as part of your gas range's normal function. When you set your oven to a desired temperature, the control system sends power to the igniter. The igniter will then heat up and glow, reaching a temperature sufficient to ignite the gas flowing from the burner. After ignition, the igniter typically remains on for a short period to ensure stable flame, then cycles off until needed again.

Maintenance

The gas oven igniter is a wear-and-tear component and generally does not require routine maintenance. However, periodic inspection during oven cleaning or other maintenance can help identify potential issues early.

- **Keep Clean:** Ensure the area around the igniter and burner is free from food debris or grease buildup, which can impede proper operation.
- **Visual Inspection:** If you notice the oven taking longer to ignite or not igniting at all, a visual inspection of the igniter (when cool and power/gas disconnected) can reveal if it is cracked or visibly damaged.

Troubleshooting

If your oven is not igniting or experiencing issues after igniter replacement, consider the following:

- **Igniter Not Glowing:**

  Ensure power and gas are fully restored to the range. Check all electrical connections to the igniter for looseness or improper seating. Verify the igniter is the correct part for your model.

- **Igniter Glows but No Ignition:**

  This often indicates a weak igniter that is not drawing enough current to open the gas valve. Even if it glows, it might need replacement. Also, check for obstructions in the gas burner ports.

- **Gas Smell:**

  If you smell gas, immediately turn off the gas supply to the range, open windows for ventilation, and do not operate any electrical switches or appliances. Contact a qualified gas technician or your gas company immediately.

- **Incorrect Part:**

  Double-check that the igniter installed is compatible with your specific oven model. Refer to the "Model

Compatibility" section.

For persistent issues, it is recommended to consult a professional appliance repair technician.

Specifications

Attribute	Detail
Brand	Owigift
Included Components	1 x Gas Range Oven Burner Igniter
Material	Metal
Model Name (Example)	NX58R5601SG/AA (Compatible with many other models)
Manufacturer	Owigift
ASIN	B097RYQVCB

Warranty Information

Warranty information for this aftermarket part is not explicitly detailed in the provided product description. For specific warranty terms and conditions, please contact the manufacturer, Owigift, directly or refer to the product packaging.

Customer Support

If you have any questions regarding the compatibility of this igniter with your appliance, require further assistance with installation, or encounter any issues, please contact the manufacturer's customer support. They aim to resolve problems within 24 hours.

For general inquiries, you may refer to the product listing on Amazon or contact Owigift through their official channels.

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Details

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