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**KOB 639072219029**

# Replacement Magic Chef Gas Range Burner Assembly

INSTRUCTION MANUAL

## 1. Introduction and Product Overview

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This manual provides essential information for the installation, operation, and maintenance of your new KOB Replacement Burner Assembly for Magic Chef Gas Ranges. This component is designed to replace specific original equipment manufacturer (OEM) parts, ensuring your gas range functions correctly and safely. Please read all instructions carefully before proceeding with installation or any maintenance.



Figure 1: KOB Replacement Burner Assembly. This image displays the complete burner assembly, including the black burner base, the central metal flame spreader, and the white ceramic igniter with its metal tip.

## 2. Compatibility and Part Numbers

This replacement burner assembly is compatible with various Magic Chef gas range models. It is designed to replace the following part numbers:

- **Original Part Numbers:** 74003963, 12500050, 3412D024-09
- **Replaces WP3412D024-09 (AP6008592) which replaces:** 3412D024-09, 12500050, 3412D007-00, 3412D007-09, 3412D014-09, 3412D015-09, 3412D016-09, 3412D017-09, 3412D018-09, 74003963, ER74003963, PS11741732, WP3412D024-09VP, B003N5BWCY, B008DJWH92, B008DJWLY8, B005BNM2QG, B00E1Z7D6Y, B0050KK8IE, B008DJWHXS, B008DJWKNK, B003N5BWB0, B008DJWHNS.

To ensure proper fit, please verify your appliance's model number and the part number you are replacing against this list. You can often find your model number on a label inside the oven door, on the back of the range, or under the cooktop.

## 3. Safety Precautions

**WARNING:** Before attempting any installation or maintenance, always disconnect the gas supply to the range and unplug the appliance from the electrical outlet. Failure to do so can result in serious injury, fire, or electric shock. If you are unsure about any step, consult a qualified technician.

- Ensure the work area is well-ventilated.
- Wear appropriate personal protective equipment, such as gloves.
- Keep children and pets away from the work area.
- Have a fire extinguisher readily available.

## 4. Installation Instructions

This section outlines the general steps for replacing a gas range burner assembly. Specific steps may vary slightly depending on your range model.

1. **Preparation:** Ensure gas and electrical supplies are disconnected. Allow the range to cool completely if it has been in use.
2. **Access the Burner:** Carefully remove any grates, burner caps, and burner heads from the cooktop. You may need to lift the cooktop or remove screws to access the burner assembly.
3. **Disconnect Old Burner:**



*Figure 2: Underside view of the burner assembly. This image shows the side profile of the burner, highlighting the gas inlet tube and the connection point for the igniter wire.*

Locate the igniter wire connected to the old burner assembly. Gently disconnect it. Note how the old burner assembly is secured (e.g., screws, clips) and remove it.

4. **Install New Burner:** Position the new KOB burner assembly in the same location as the old one. Ensure it sits properly on the gas tube. Connect the igniter wire to the new burner assembly. Secure the burner assembly

using the appropriate screws or clips.

5. **Reassemble:** Replace any removed cooktop components, burner heads, and burner caps. Ensure all parts are seated correctly.
6. **Test:** Reconnect the gas supply and plug in the range. Turn on the gas. Carefully test the new burner for proper ignition and flame appearance. Check for any gas leaks using a soapy water solution around connections (bubbles indicate a leak). If a leak is detected, immediately turn off the gas and tighten connections or seek professional help.



*Figure 3: Angled view of the burner assembly. This perspective provides a clearer view of the burner's base and the igniter's position relative to the flame spreader.*

## 5. Operating Considerations

Once installed, the burner assembly should function identically to the original part. When operating your gas range:

- Ensure the flame is blue and stable, with no yellow tips or lifting.
- The igniter should spark quickly and consistently to light the gas.
- If the burner does not light or the flame is irregular, refer to the troubleshooting section.

## 6. Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your burner assembly.

- **Cleaning:** Periodically clean the burner caps and heads. Ensure the small holes (ports) around the burner head are clear of food debris or grease, as blockages can affect flame quality. Use a non-abrasive cleaner and a soft brush.
- **Inspection:** Regularly inspect the igniter for cracks or damage. Check the burner assembly for any signs of corrosion or wear.
- **Professional Check:** Consider having your gas range professionally inspected annually to ensure all components, including the burner assemblies, are in good working order and safe.

## 7. Troubleshooting

If you encounter issues after installing the new burner assembly, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Burner does not ignite.	<ul style="list-style-type: none"><li>◦ Gas supply off.</li><li>◦ Igniter wire loose or disconnected.</li><li>◦ Igniter dirty or damaged.</li><li>◦ Burner not seated correctly.</li></ul>	<ul style="list-style-type: none"><li>◦ Check gas valve.</li><li>◦ Ensure igniter wire is securely connected.</li><li>◦ Clean igniter tip. Inspect for cracks.</li><li>◦ Re-seat burner assembly firmly.</li></ul>
Weak or uneven flame.	<ul style="list-style-type: none"><li>◦ Burner ports clogged.</li><li>◦ Burner cap or head misaligned.</li><li>◦ Low gas pressure.</li></ul>	<ul style="list-style-type: none"><li>◦ Clean burner ports.</li><li>◦ Ensure burner cap and head are properly aligned and seated.</li><li>◦ Contact gas utility if other burners also have low flame.</li></ul>
Gas smell.	<ul style="list-style-type: none"><li>◦ Gas leak.</li></ul>	<ul style="list-style-type: none"><li>◦ <b>Immediately turn off gas supply and ventilate area. Do not operate electrical switches. Contact gas company or qualified technician.</b></li></ul>

If problems persist after attempting these solutions, it is recommended to contact a qualified appliance repair technician.

## 8. Specifications

Key specifications for the KOB Replacement Burner Assembly:

- **Part Number:** 639072219029
- **Item Weight:** 7.8 ounces
- **Package Dimensions:** 4.21 x 4.13 x 3.31 inches
- **Item Model Number:** 639072219029
- **Item Package Quantity:** 1
- **ASIN:** B07VH28682
- **Date First Available:** July 20, 2019

## 9. Warranty and Support

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For specific warranty information regarding this KOB replacement part, please refer to the documentation provided with your purchase or contact the seller directly. As a replacement part, warranty coverage typically pertains to manufacturing defects.

For technical support or further assistance, please reach out to the retailer or manufacturer from whom you purchased this product. Always provide your product's model number and the part number for efficient service.