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> [Master Forge](#) /

> Master Forge BG179A Gas Grill Cast Iron Burner (CIMF1) Instruction Manual

## Master Forge CIMF1

# Master Forge BG179A Gas Grill Cast Iron Burner (CIMF1) Instruction Manual

## INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Master Forge BG179A Gas Grill Cast Iron Burner, model CIMF1. This cast iron burner is designed as a replacement part for the Master Forge BG179A gas grill. Please read these instructions thoroughly before proceeding with installation or use.

## SAFETY INFORMATION

- Always ensure the grill is completely cool and disconnected from its gas supply before attempting any installation or maintenance.
- Wear appropriate safety gear, such as gloves, to protect hands from sharp edges or rust.
- Keep children and pets away from the grill during installation and operation.
- Perform a leak test on all gas connections after installation and before first use.

## PACKAGE CONTENTS

- One (1) Master Forge BG179A Gas Grill Cast Iron Burner (CIMF1).

*Note: Screws or additional hardware for installation are not included and must be sourced separately if needed.*

## SETUP AND INSTALLATION

### Tools Required:

- Screwdriver (if existing igniter screws need removal)
- Protective gloves

### Preparation:

1. Ensure the gas grill is turned off and disconnected from the gas source.
2. Allow the grill to cool completely before handling any components.
3. Open the grill lid and remove cooking grates and heat tents/flame tamers to access the old burners.

### Removal of Old Burner:

1. Carefully detach the igniter wire from the old burner.

2. Remove any screws or clips securing the old burner in place.
3. Gently lift and remove the old burner from the grill.

### **Installation of New Burner:**

1. Compare the new CIMF1 burner with the old burner to ensure compatibility, especially regarding length (approximately 16 5/8 inches).
2. Slide the new cast iron burner into position, ensuring it aligns correctly with the gas valve orifice at one end and the support bracket at the other.
3. Secure the burner if applicable. Note that this replacement burner does not include new screws; reuse existing hardware or acquire suitable replacements if necessary.
4. Reattach the igniter wire to the designated port on the new burner.

### **Final Steps:**

1. Replace heat tents/flame tamers and cooking grates.
2. Reconnect the gas supply.
3. Perform a leak test on all gas connections before first use.



This image shows the Master Forge BG179A Gas Grill Cast Iron Burner (CIMF1). The burner is black cast iron, approximately 16 5/8 inches long, with a series of small holes along its top surface for gas distribution. One end features a metal inlet for gas connection.

## **OPERATING INSTRUCTIONS**

1. After installation, ensure all gas connections are secure and a leak test has been performed.
2. Turn on the gas supply to the grill.
3. Open the grill lid.
4. Turn the control knob for the corresponding burner to the 'High' or 'Ignite' position and press the igniter button.
5. Verify that the burner lights evenly across its length. If it does not light, turn off the gas, wait five minutes, and repeat the ignition process.
6. Adjust flame intensity as needed using the control knob.

## MAINTENANCE

- **Regular Inspection:** Periodically inspect the burner for blockages, rust, or damage.
- **Cleaning Burner Ports:** If burner ports become clogged, use a wire brush or a stiff wire to clear them. Ensure all debris is removed.
- **Drying:** Ensure the burner is dry before reinstallation or storage to prevent premature corrosion.
- **Storage:** Store the grill in a dry environment to protect cast iron components from moisture and rust.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Burner not lighting	No gas supply, clogged burner ports, faulty igniter connection, faulty igniter.	Check gas supply. Clean burner ports. Ensure igniter wire is securely connected. Verify igniter spark; replace igniter if necessary.
Uneven flame	Clogged burner ports, improper burner seating, obstruction in gas orifice.	Clean burner ports. Ensure the burner is seated correctly and not warped. Inspect gas orifice for obstructions.
Low flame	Low gas supply pressure, partially open gas valve, burner blockages.	Check gas supply pressure. Ensure gas valve is fully open. Inspect burner for blockages and clean if necessary.

## SPECIFICATIONS

- **Material:** Cast Iron
- **Dimensions:** Approximately 16 5/8 inches (L) x 3 inches (W)
- **Item Weight:** Approximately 4.31 pounds
- **Compatibility:** Master Forge BG179A Gas Grill

## WARRANTY AND SUPPORT

For product support or warranty inquiries, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.