

## Char-Broil 3297527R04

# Char-Broil TRU-Infrared Replacement Grate & Emitter User Manual

Model: 3297527R04

Brand: Char-Broil

## INTRODUCTION

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This manual provides essential information for the installation, use, and maintenance of your Char-Broil TRU-Infrared Replacement Grate & Emitter. Designed to refresh your existing grill, these components ensure continued optimal performance, including no flare-ups, juicier foods, and even heat distribution.

The replacement grate and emitter are constructed from premium stainless-steel and porcelain-coated cast-iron for durability and long-lasting use.

## COMPATIBILITY

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This replacement grate and emitter set is specifically designed for use with Char-Broil Professional, Signature, and Commercial Series TRU-Infrared gas grills manufactured after 2015.

- Compatible with 2015 and newer Char-Broil Commercial, Signature, or Professional Series TRU-Infrared gas grills.
- **Not compatible** with Char-Broil Performance Series TRU-Infrared grills.
- Your grill's model year can be identified by the last two digits of the model number, typically located on the back of your grill or within the product guide.

## SETUP AND INSTALLATION

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Installation of the replacement grate and emitter is straightforward and does not require complex assembly. The product comes as a single section containing both the emitter plate and the cast-iron grate.



Figure 1: The Char-Broil TRU-Infrared Replacement Grate (top) and Emitter (bottom).

### **Determining Quantity Needed:**

It is important to note that these replacement sections are designed to replace the entire set of grates and emitters in your grill, as their width may differ from original components. You cannot replace just one section at a time if the original sections were wider.

- For 2-burner grills: Purchase 3 sections.
- For 3-burner grills: Purchase 4 sections.
- For 4-burner grills: Purchase 5 sections.

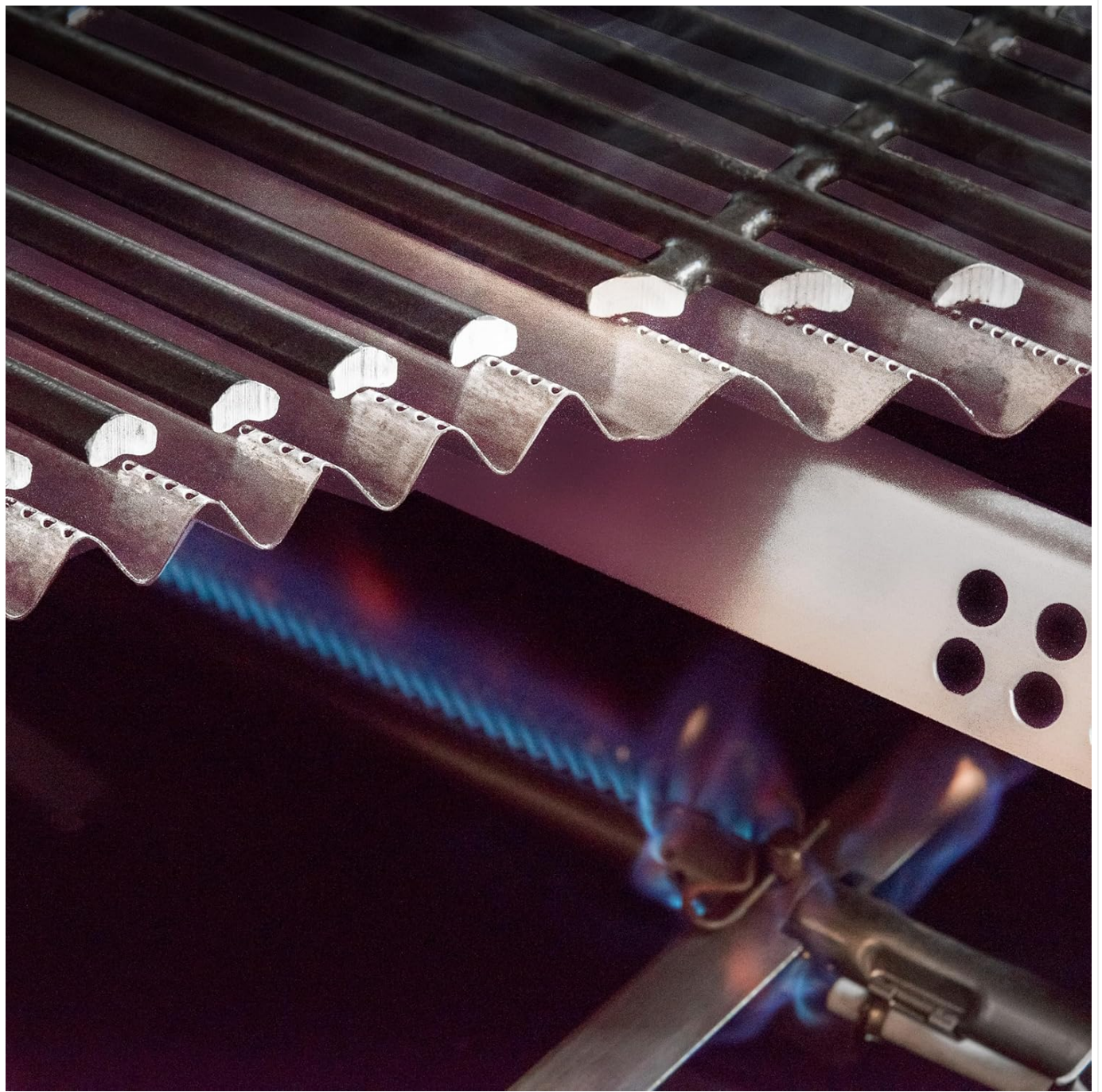


Figure 2: Guide for purchasing the correct number of replacement sections based on your grill's burner count.

### Installation Steps:

1. Ensure your grill is completely cool and disconnected from its fuel source.
2. Carefully remove the existing grates and emitter plates from your grill. Dispose of them according to local regulations.
3. Clean the interior of your grill thoroughly, removing any debris or grease buildup.
4. Place the new stainless-steel emitter plates into the grill's firebox, ensuring they sit correctly over the burners.
5. Carefully place the porcelain-coated cast-iron grates on top of the emitter plates. Ensure each section is properly seated and aligned.

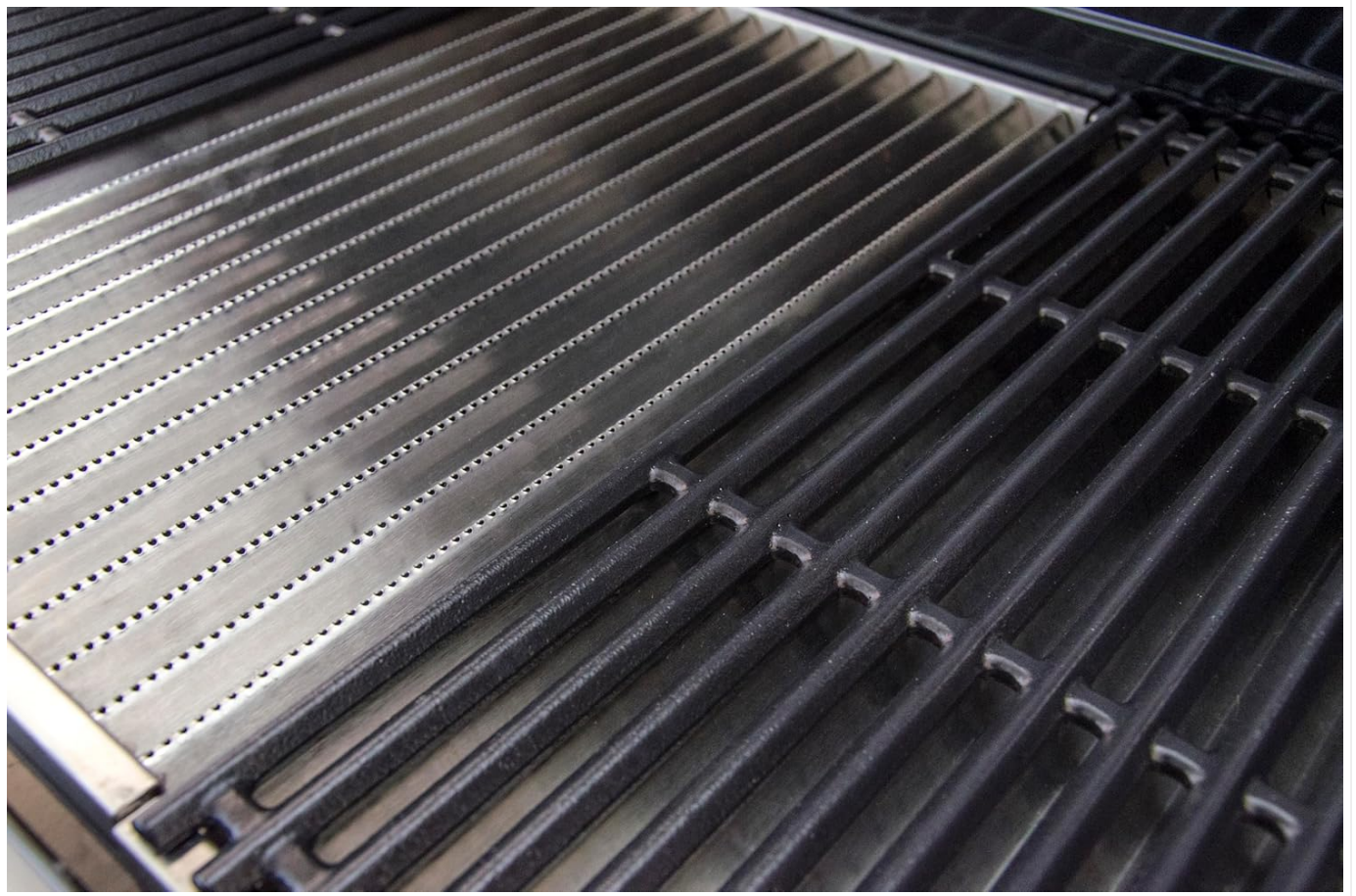


Figure 3: The grate lifts off the emitter plate for easy installation and cleaning.



Figure 4: A single section of the Char-Broil TRU-Infrared replacement system properly installed in a grill.

## OPERATING YOUR GRILL WITH NEW COMPONENTS

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Once installed, your Char-Broil TRU-Infrared Replacement Grate & Emitter will restore your grill's performance. The TRU-Infrared cooking system is designed to prevent flare-ups, deliver even heat across the cooking surface, and lock in food's natural juices.



Figure 5: The TRU-Infrared emitter ensures even heat distribution and prevents flare-ups.

Always preheat your grill with the lid closed for 10-15 minutes before cooking to allow the grates and emitters to reach optimal temperature.

## MAINTENANCE

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Proper maintenance will extend the life of your replacement grates and emitters.

- **Cleaning After Each Use:** After grilling, turn the burners to high for 10-15 minutes with the lid closed to burn off any food residue. Once cooled, use a grill brush to scrape off any remaining debris from the grates and emitter plates.
- **Deep Cleaning:** Periodically, remove the grates and emitter plates for a more thorough cleaning. Wash them with warm, soapy water and a non-abrasive brush or sponge. Rinse thoroughly and dry completely before returning them to the grill.
- **Rust Prevention:** While made from durable materials, exposure to elements can lead to rust over time. Ensure components are dry after cleaning and consider lightly oiling the cast-iron grates before storage or infrequent use.

## TROUBLESHOOTING

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If you experience issues after installing your new grates and emitters, consider the following:

- **Uneven Heating:** Ensure all emitter plates and grates are correctly seated and aligned. Check that the burner tubes underneath are clear of obstructions and functioning properly.
- **Excessive Flare-ups:** While TRU-Infrared minimizes flare-ups, excessive grease buildup can still cause them. Perform a thorough cleaning of the grates, emitters, and the grill's firebox.
- **Difficulty Fitting:** Double-check the compatibility section to ensure your grill model and year are supported. Verify you have purchased the correct number of sections for your grill's burner configuration.

## SPECIFICATIONS

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Feature	Detail
Brand	Char-Broil
Model Name	2015+ TRU-Infrared™ Grate & Emitter
Part Number	3297527R04
Product Dimensions	17"D x 6"W x 1.3"H (per section)
Material	Stainless Steel (emitter), Porcelain Coated Cast-Iron (grate)
Color	Gray
Fuel Type Compatibility	Gas Grills
Assembly Required	No
Item Weight	5.68 pounds (per section)

## WARRANTY AND SUPPORT

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For warranty information regarding your Char-Broil TRU-Infrared Replacement Grate & Emitter, please contact the seller directly. You may also find detailed warranty information on the manufacturer's official website.

For additional support or inquiries, please refer to the contact information provided by your retailer or visit the official Char-Broil website.