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> Mintu Broil Element Replacement Instruction Manual

## Mintu 790.94172314

# Instruction Manual for Mintu Broil Element Replacement

Model: 790.94172314 (Replacement Part)

Brand: Mintu

## INTRODUCTION

This manual provides detailed instructions for the safe and effective installation and maintenance of your new Mintu Broil Element. This element is designed as a replacement part for a wide range of Kenmore and Frigidaire electric range models. Please read all instructions carefully before proceeding with installation.

## SAFETY INFORMATION

Always prioritize safety when working with electrical appliances. Failure to follow these safety guidelines may result in electric shock, fire, or personal injury.

- **Disconnect Power:** Before attempting any installation or maintenance, ensure the electric range is completely disconnected from its power source. Turn off the circuit breaker or unplug the appliance.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as work gloves, to protect your hands from sharp edges or hot surfaces.
- **Professional Assistance:** If you are unsure about any step or uncomfortable performing the installation, consult a qualified appliance technician.
- **Inspect Components:** Before installation, carefully inspect the new broil element for any signs of damage. Do not install a damaged part.
- **Proper Tools:** Use only the correct tools for the job to prevent damage to the appliance or injury.

## PRODUCT OVERVIEW

The Mintu Broil Element is a heating component designed for the upper section of an electric oven, responsible for providing intense, direct heat for broiling food. It is constructed to meet the specifications of original equipment manufacturer (OEM) parts for compatibility and performance.

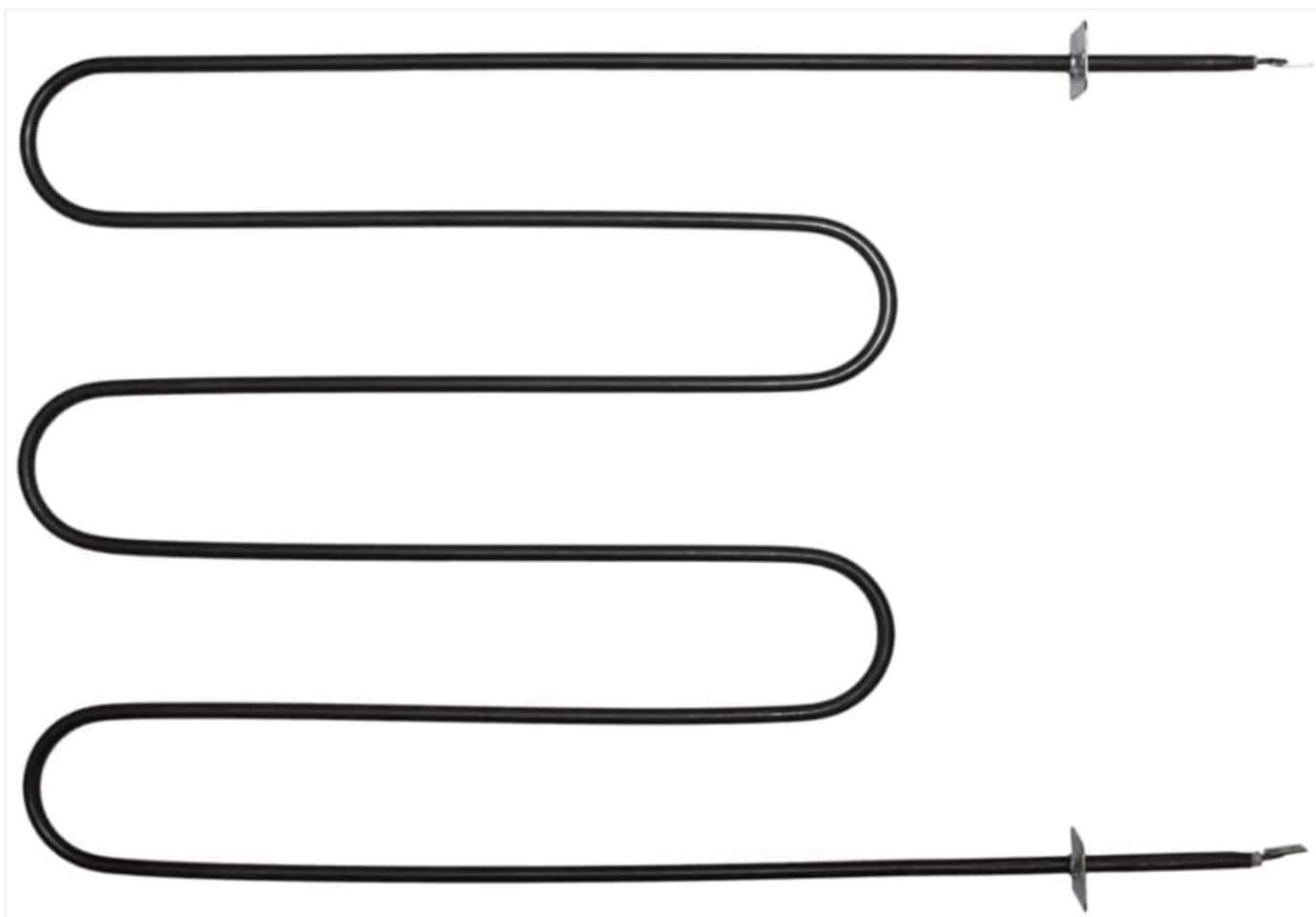


Image: The Mintu Broil Element, a serpentine-shaped heating coil with electrical terminals at each end.

## COMPATIBILITY

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This broil element is a compatible replacement for numerous electric range models from Kenmore and Frigidaire. Please verify your appliance's model number against the list below to ensure compatibility. The model number is typically found on a label around the oven door frame, behind the storage drawer, or on the back of the range.

### Compatible Kenmore Models include:

- 790.94172314, 790.94172315, 790.94172316
- 790.94173310, 790.94173313, 790.94173314, 790.94173316
- 790.94179310, 790.94179311, 790.94179312, 790.94179313, 790.94179314, 790.94179315, 790.94179316
- 790.97422900, 790.97422901, 790.97423900, 790.97423901
- 790.94242311, 790.94242312, 790.94242315
- 790.96223409, 790.97463800
- 790.94209310, 790.94209311, 790.94209312, 790.94209314, 790.94209315, 790.94209317
- 790.94243312, 790.94243313, 790.94243314, 790.94243315
- 790.92803013, 7909641940A
- 790.97454800, 790.97454801, 790.97454802
- 790.97459800, 790.97459801, 790.97459802
- 790.96414400, 790.96414401, 790.96414403, 790.96414404, 790.96414406, 790.96414407, 790.96414408, 790.96414409
- 790.97452802, 790.97453800, 790.97453801, 790.97453802
- 790.94462703, 790.94463700, 790.94463701, 790.94463702, 790.94463703, 790.94463704, 790.94463705
- 790.96114401, 790.96114403, 790.96114405, 790.96114406

- 790.92209014, 790.92209016, 790.92209017
- 790.96123409, 790.96124400, 790.96124401
- 790.90832603, 790.90832604, 790.90832605
- 790.95683302, 790.92202015

**Compatible Frigidaire Models include:**

- FGEF3032KWA, FGEF3032KWB, FGEF3032KWC, FGEF3032KWD, FGEF3032KWE
- FGEF3032MBA, FGEF3032MBB, FGEF3032MBC, FGEF3032MBD
- FGEF3036TFC, FGEF3036TFD, FGEF3036TFE, FGEF3036TFF, FGEF3036TFG, FGEF3036TFH
- FGEF3030PBA, FGEF3030PBB, FGEF3030PBC
- FGEF3042KFE, FGEF3042KFF, FGEF3042KFG
- FGEF3032MFA, FGEF3041KFB, FGEF3032KBE

## INSTALLATION (SETUP)

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The following steps outline the general procedure for replacing a broil element. Specific steps may vary slightly depending on your oven model. Refer to your appliance's original service manual if available.

1. **Prepare the Oven:** Ensure the oven cavity is cool. Remove any oven racks or other obstructions.
2. **Locate the Broil Element:** The broil element is typically located at the top of the oven cavity.
3. **Remove Mounting Screws:** Using a screwdriver, carefully remove the screws that secure the broil element to the back wall of the oven. There are usually two screws.
4. **Gently Pull Element Forward:** Once the screws are removed, gently pull the element forward a few inches. This will expose the electrical terminals at the back.
5. **Disconnect Electrical Wires:** Carefully disconnect the electrical wires from the terminals of the old element. Note their position or take a picture before disconnecting to ensure correct re-connection. Some wires may have ceramic insulators; handle them with care.
6. **Remove Old Element:** Once wires are disconnected, fully remove the old broil element from the oven cavity.
7. **Install New Element:** Connect the electrical wires to the terminals of the new Mintu broil element. Ensure connections are secure.
8. **Secure New Element:** Slide the new element back into position, aligning the mounting holes. Re-insert and tighten the mounting screws.
9. **Test Functionality:** Restore power to the oven by turning on the circuit breaker or plugging it back in. Set the oven to broil mode and observe if the new element heats up properly.

**Important:** If the element does not heat or if you observe any sparking or unusual odors, immediately disconnect power and re-check your connections or consult a professional.

## OPERATION

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Once installed, the broil element operates as part of your oven's normal function. When the oven is set to a broil setting, the element will heat to a high temperature, providing direct radiant heat to the food placed beneath it. Always follow your oven's specific operating instructions for broiling.

## MAINTENANCE

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Broil elements generally require minimal maintenance. However, the following practices can help ensure longevity and proper function:

- **Keep Clean:** Avoid excessive food spills directly onto the element. If spills occur, allow the oven to cool completely, then gently wipe away any residue. Do not use abrasive cleaners or sharp objects on the element.
- **Regular Inspection:** Periodically inspect the element for any visible signs of damage, such as cracks, blisters, or discoloration. If damage is observed, the element may need replacement.
- **Avoid Impact:** Be careful not to strike the element with cookware or other objects, as this can cause damage.

## TROUBLESHOOTING

If your broil element is not functioning as expected after installation, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Element does not heat at all.	No power to the oven; loose electrical connections; faulty element (unlikely if new); faulty oven control board.	Check circuit breaker. Ensure oven is plugged in. Verify all electrical connections to the element are secure. If problem persists, consult a technician.
Element heats unevenly or partially.	Internal damage to the element; incorrect voltage.	Ensure the element is fully seated and not bent. If the element is new and heating unevenly, it may be defective. Contact support.
Oven trips circuit breaker when broil is selected.	Short circuit in the element or wiring; overloaded circuit.	Immediately disconnect power. Inspect wiring for pinched or exposed sections. If the element is new, it might be faulty. Consult a qualified electrician or appliance technician.

For issues not listed here, or if troubleshooting steps do not resolve the problem, it is recommended to seek assistance from a certified appliance repair professional.

## SPECIFICATIONS

Attribute	Detail
Part Type	Broil Element Replacement
Manufacturer	Mintu
Part Number (Example)	790.94172314
Voltage	240 Volts (as per product description)
Wattage	4000 Watts (as per product description)
Compatibility	Kenmore and Frigidaire Electric Ranges (various models)

## SUPPORT AND WARRANTY

For any questions regarding the installation, compatibility, or performance of your Mintu Broil Element, please contact the seller or manufacturer directly. While specific warranty details are not provided in this manual, most replacement parts

come with a limited warranty against manufacturing defects. Retain your proof of purchase for any warranty claims. You can typically find seller contact information on your purchase receipt or the platform where the item was purchased.