

## Frigidaire 903160-9010



# Frigidaire 903160-9010 Cooktop Induction Module Instruction Manual

## INTRODUCTION

This document provides essential information and instructions for the Frigidaire 903160-9010 Cooktop Induction Module. This module is a genuine Original Equipment Manufacturer (OEM) replacement part designed for specific Frigidaire cooktop models. Please read this manual thoroughly before attempting any installation or maintenance.

### IMPORTANT SAFETY INFORMATION

**WARNING: Before installing this part, always shut off the house circuit breaker or unplug the cooktop from its power source. Failure to do so can result in serious injury or electrical shock.**

Always wear appropriate personal protective equipment, such as gloves and eye protection, when handling appliance parts.

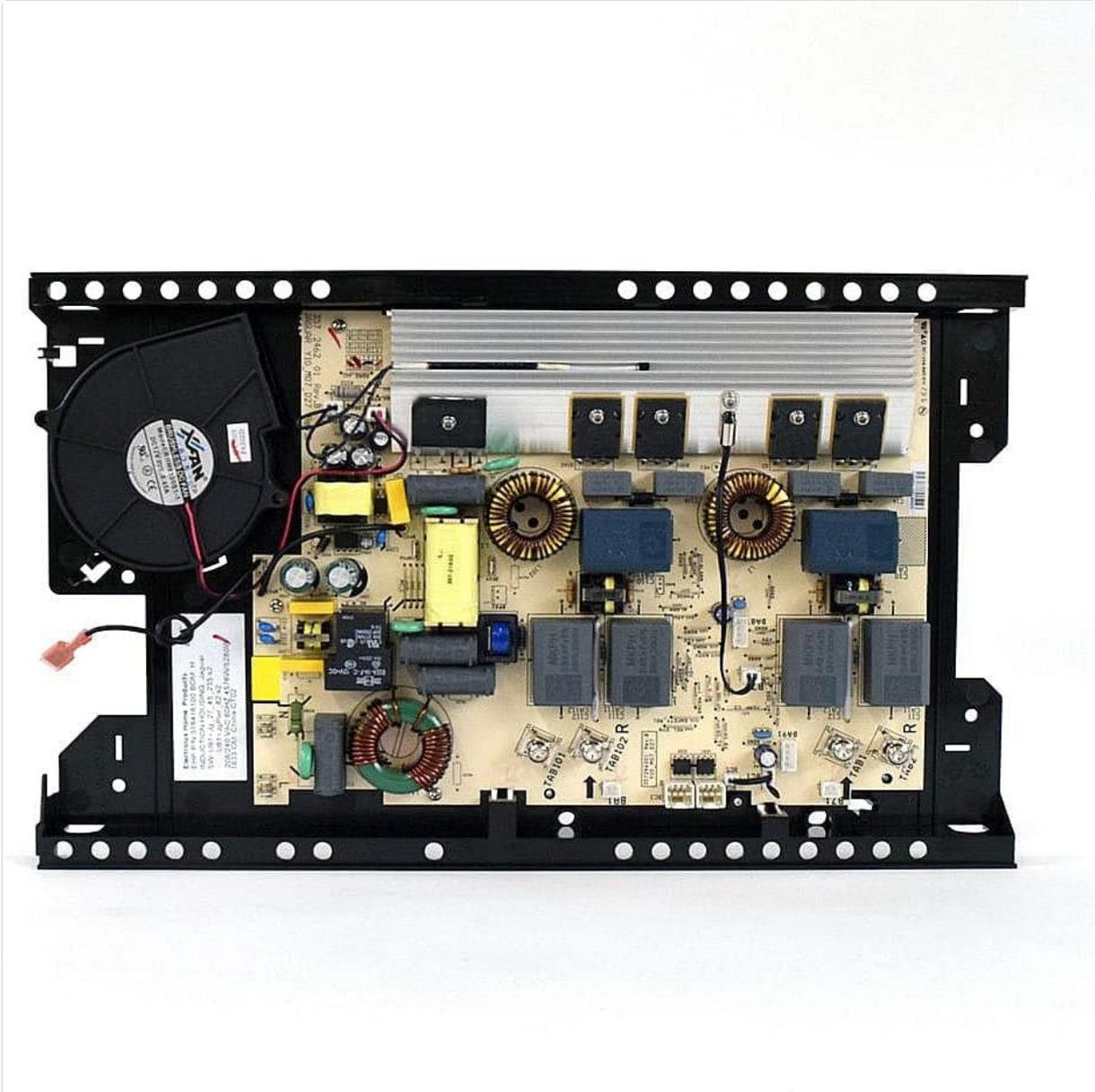
## PRODUCT OVERVIEW

The Frigidaire 903160-9010 is an induction module, a critical electronic component responsible for generating the electromagnetic field that heats cookware on an induction cooktop. This part is a manufacturer substitution and may differ in appearance from prior parts, but it is functionally equivalent to part number 318416100.

This module is compatible with various Frigidaire cooktop models, including but not limited to:

- FGIC3067MBA, FGIC3067MBB
- 79043900000, 79043820000, 79043820001
- FGIC3667MBA, FGIC3667MBB
- 79043809000
- EW30IS80RSA, EW30IS8CRSC, EW30IS8CRSD, EW30IS8CRSA, EW30IS8CRSB
- EW36IC60LB1, EW30IC60LS2, E30IC80QSS0, EW30IC60LS1
- EW30IS80RSC, EW30IS80RSB, EW30IS80RSD

- 79042623310, 79045013101, EW36IC60LS2, 79045013100
- EW30IC60LB1, EW36IC60LS1
- 79042623315, 79042623311, 79042623312, 79042623313, 79042623314
- E36IC80QSS2, E36IC80QSS0
- 79043920001, 79043920000
- FGIS3065PFA, FGIS3065PFD



*Image: The Frigidaire 903160-9010 Cooktop Induction Module, showing its circuit board and components.*

## VERIFY PART COMPATIBILITY

**It is crucial to verify that this part is compatible with your specific appliance model before purchase and installation. Many replacement parts may appear similar but are not interchangeable.**



*Image: A visual reminder to check your appliance's model number to ensure part compatibility.*  
 Locate the model number on your cooktop's rating plate, typically found on the underside, side, or back of the appliance. Cross-reference this number with the compatibility list provided or consult your

## INSTALLATION INSTRUCTIONS

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Installation of an induction module requires technical knowledge and should ideally be performed by a qualified technician. If you choose to proceed with installation yourself, follow these general guidelines:

1. **Safety First:** Ensure the cooktop is completely disconnected from power by shutting off the circuit breaker or unplugging it.
2. **Access the Module:** Depending on your cooktop model, you may need to remove the cooktop from its counter opening or remove specific panels to access the induction module.
3. **Disconnect Wiring:** Carefully photograph or diagram the existing wiring connections to the old module before disconnecting them.
4. **Remove Old Module:** Unfasten any screws or clips securing the old module and remove it.
5. **Install New Module:** Position the new Frigidaire 903160-9010 module in place and secure it with the appropriate fasteners.
6. **Reconnect Wiring:** Connect the wiring to the new module according to your previous documentation. Ensure all connections are secure and correctly seated.
7. **Reassemble Cooktop:** Reassemble any panels or components removed to access the module.
8. **Test Functionality:** Restore power to the cooktop and test its operation according to your appliance's user manual.

Refer to your specific cooktop's service manual for detailed, model-specific installation steps.

## OPERATING PRINCIPLES

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The 903160-9010 Induction Module is a core component that enables the induction cooking process. It functions by converting standard household electricity into a high-frequency alternating current, which then flows through a coil located beneath the cooktop's surface. This creates a fluctuating magnetic field. When a ferromagnetic pot or pan is placed on the cooktop, the magnetic field induces eddy currents within the cookware, causing it to heat up directly. The module itself does not have user-operable controls; its function is entirely internal to the cooktop's operation.

## MAINTENANCE

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As an internal electronic component, the induction module itself requires no routine user maintenance. To ensure the longevity of your cooktop and its components:

- Keep the cooktop surface clean and free of spills to prevent liquids from seeping into internal components.
- Ensure proper ventilation around the cooktop to prevent overheating of electronic parts.
- Avoid placing excessively heavy items on the cooktop that could stress its internal structure.

If you suspect an issue with the module, consult a qualified appliance repair technician.

## TROUBLESHOOTING

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If your cooktop is not functioning correctly after replacing the induction module, consider the following troubleshooting steps:

- **No Power:** Verify that the circuit breaker for the cooktop is on and that the cooktop is properly plugged in (if applicable).
- **Incorrect Wiring:** Double-check all wiring connections to ensure they are secure and match the original configuration. Loose or incorrect connections can prevent the module from operating.
- **Cookware Issues:** Ensure you are using induction-compatible cookware. Non-ferromagnetic pots and pans will not heat on an induction cooktop.
- **Error Codes:** Consult your cooktop's user manual for specific error codes displayed on the control panel, as these can indicate the nature of the problem.
- **Professional Assistance:** If the issue persists, it is recommended to contact a qualified appliance repair technician for diagnosis and repair.

## SPECIFICATIONS

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**Brand Name:** Frigidaire

**Part Number:** 903160-9010

**Item Weight:** 3 pounds

**Product Dimensions:** 9 x 3 x 12 inches

**ASIN:** B00E00MMHK

**Date First Available:** July 17, 2013

## WARRANTY AND SUPPORT

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As a genuine Original Equipment Manufacturer (OEM) part, the Frigidaire 903160-9010 Induction Module is manufactured to high standards. For specific warranty information regarding this replacement part, please refer to the warranty documentation that came with your original appliance or contact Frigidaire customer support directly. Support resources can typically be found on the official Frigidaire website.