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Whirlpool W10629033

Whirlpool W10629033 Inverter Board User Manual

Model: W10629033 | Brand: Whirlpool

1. PRODUCT OVERVIEW

The Whirlpool W10629033 Inverter Board is a genuine Original Equipment Manufacturer (OEM) authorized replacement part designed for various Whirlpool appliances. This component is crucial for the proper functioning of the appliance's compressor, converting direct current (DC) to alternating current (AC) to regulate motor speed and efficiency. It ensures the appliance operates as intended by the manufacturer.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power before servicing.

- Always disconnect the appliance from its power source before attempting any installation, repair, or maintenance.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- If you are not experienced with appliance repair, it is recommended to seek assistance from a qualified service technician.
- Ensure all connections are secure and properly insulated after installation.

3. PACKAGE CONTENTS

The package typically includes:

- 1x Whirlpool W10629033 Inverter Board
- Associated wiring and connectors (as pictured)

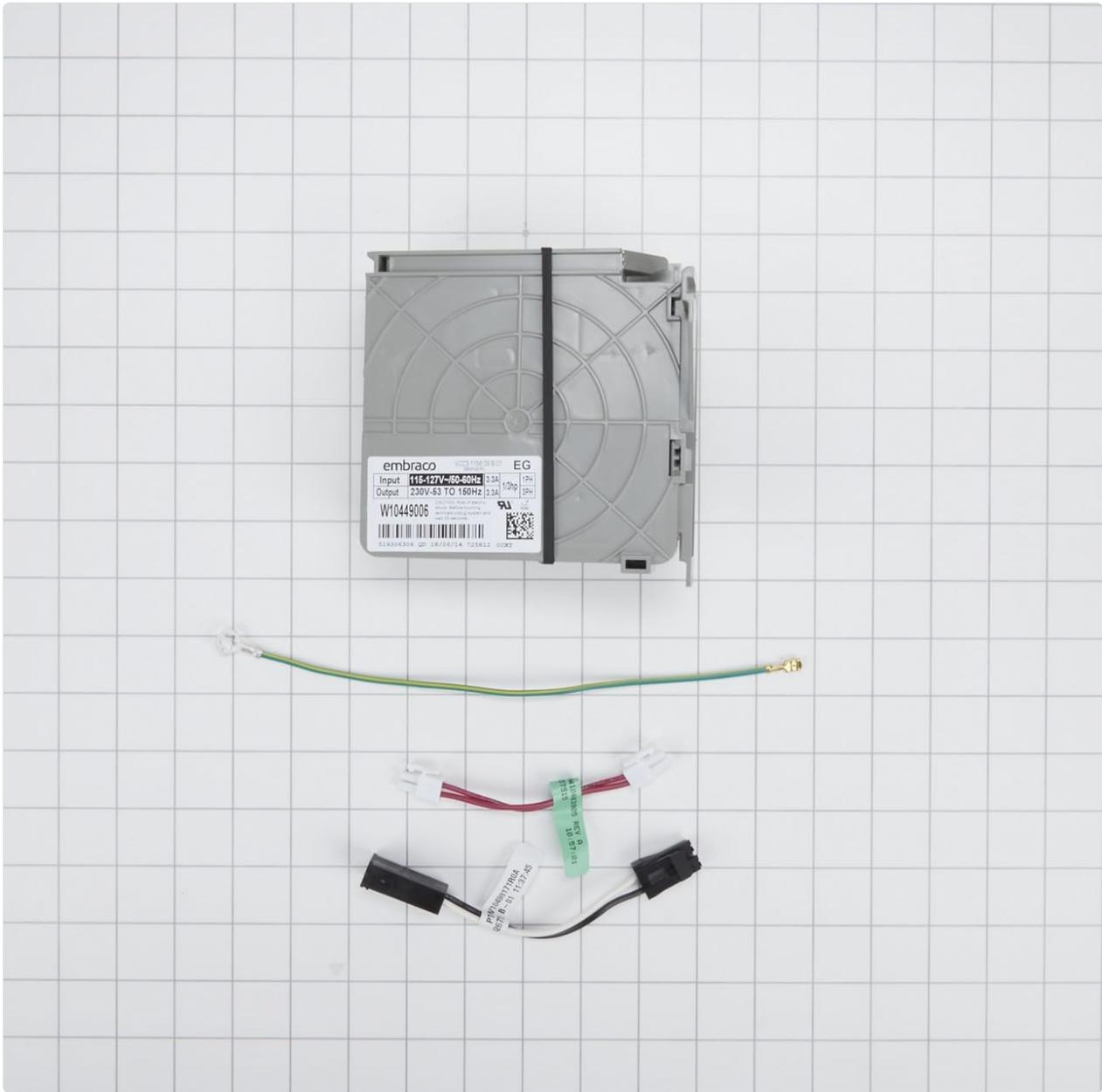


Figure 3.1: Whirlpool W10629033 Inverter Board and included wiring.

This image displays the Whirlpool W10629033 Inverter Board, a rectangular electronic component, along with its attached wiring harnesses and connectors. The board features various electronic circuits and is designed for integration into compatible Whirlpool appliances.

4. SPECIFICATIONS

Feature	Detail
Manufacturer	Whirlpool
Part Number	W10629033
Item Weight	15.3 ounces
Product Dimensions	1.5 x 1.5 x 1.5 inches

Feature	Detail
Item Model Number	W10629033
Color	Multi
Material	ABS
Power Source	Battery Powered (Note: This refers to the appliance's internal power system, not external batteries for the board itself)
Input Voltage	120 Volts (AC)

5. INSTALLATION/SETUP

This inverter board is a critical component for your appliance. Proper installation is essential for safety and functionality. Always refer to your specific appliance's service manual for detailed, model-specific instructions before proceeding.

General Installation Steps:

- 1. Disconnect Power:** Before beginning, ensure the appliance is completely disconnected from its power source to prevent electric shock.
- 2. Access the Inverter Board:** Locate the existing inverter board within your appliance. This may require removing panels or other components. Consult your appliance's service manual for exact location and access procedures.
- 3. Document Connections:** Carefully note or photograph the existing wiring connections to the old inverter board. This will aid in correctly connecting the new board.
- 4. Disconnect Wiring:** Disconnect all wiring harnesses and connectors from the old inverter board.
- 5. Remove Old Board:** Unmount and remove the old inverter board from its position.
- 6. Install New Board:** Mount the new Whirlpool W10629033 Inverter Board in the same location and orientation as the old one.
- 7. Reconnect Wiring:** Reconnect all wiring harnesses and connectors to the new board, ensuring they match your documented connections. Double-check for secure and proper fit.
- 8. Reassemble Appliance:** Reattach any panels or components that were removed to access the board.
- 9. Restore Power and Test:** Reconnect the appliance to its power source and test its functionality to ensure the new inverter board is operating correctly.

For optimal performance and longevity, it is recommended to use genuine OEM parts. The following video provides additional context on the importance of genuine Whirlpool parts:

Your browser does not support the video tag.

Video 5.1: Whirlpool Genuine Parts. This video highlights the quality and engineering standards of genuine Whirlpool OEM parts, emphasizing their importance for appliance performance and durability.

6. OPERATION

The Whirlpool W10629033 Inverter Board operates internally within your appliance to manage the compressor's power supply. Once correctly installed, it functions automatically as part of the appliance's

control system, ensuring efficient and consistent operation of the cooling or other relevant systems. No direct user interaction with the inverter board is required for its operation.

7. MAINTENANCE

The W10629033 Inverter Board is designed for long-term reliability and typically requires no routine maintenance. However, to ensure its continued performance:

- Keep the area around the board clean and free from dust or debris.
- Ensure the appliance's environment is within recommended temperature and humidity ranges to prevent stress on electronic components.
- Periodically inspect wiring connections for any signs of loosening or corrosion, especially if the appliance is moved or serviced.

8. TROUBLESHOOTING

If your appliance experiences issues after replacing the inverter board, consider the following troubleshooting steps:

- **Verify Power:** Ensure the appliance is receiving power and that the circuit breaker has not tripped.
- **Check Connections:** Re-verify all wiring connections to the inverter board are secure and correctly seated. Loose connections are a common cause of malfunction.
- **Consult Appliance Manual:** Refer to your specific appliance's user or service manual for diagnostic codes or troubleshooting steps related to compressor or inverter board issues.
- **Compressor Check:** In some cases, a faulty compressor can mimic inverter board symptoms. If possible, check the compressor's resistance across its pins as a diagnostic step.
- **Professional Assistance:** If issues persist, it is advisable to contact a qualified appliance service technician for further diagnosis and repair.

Note: While some older inverter boards might have a blinking green light indicating operation, this can sometimes be misleading. A blinking light does not always confirm proper functionality or rule out other component failures.

9. WARRANTY AND SUPPORT

As a genuine Whirlpool OEM part, the W10629033 Inverter Board is covered by Whirlpool's standard warranty for replacement parts. For specific warranty terms, duration, and to initiate a warranty claim, please refer to the documentation included with your purchase or contact Whirlpool customer support directly. You can find contact information and support resources on the official Whirlpool website.

For additional support or to locate authorized service technicians, visit the [Whirlpool Store on Amazon](#) or the official Whirlpool Corporation website.