

mabe 238C4974G001, WR01F04364

Mabe Refrigerator Control Board User Manual

Model: 238C4974G001, WR01F04364

Brand: mabe

INTRODUCTION

This manual provides essential information for the Mabe Sirius Refrigerator Control Board, identified by part numbers 238C4974G001 and WR01F04364. This component is a critical part of your refrigerator's electrical system, responsible for managing various functions. This guide covers general aspects of its installation, operation, maintenance, and troubleshooting.

Important Safety Notice:

Installation and replacement of this control board should only be performed by qualified technicians. Disconnecting power and following proper safety procedures are crucial to prevent electrical shock or damage to the appliance.

SETUP AND INSTALLATION

The Mabe Refrigerator Control Board is a replacement part designed for specific Mabe and GE refrigerator models. Proper installation is vital for the correct functioning of your appliance.

Before Installation:

- **Disconnect Power:** Always unplug the refrigerator from the power outlet before attempting any installation or repair.
- **Verify Compatibility:** Ensure the new control board (238C4974G001 or WR01F04364) is compatible with your specific refrigerator model. Refer to the list of compatible models provided in the product description or your refrigerator's service manual.
- **Gather Tools:** You may need screwdrivers, pliers, and a multimeter for testing.
- **Static Discharge Prevention:** Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage electronic components.

Installation Steps (General Guidance):

1. **Locate the Existing Board:** The control board is typically located in the back of the refrigerator, behind a service panel, or within the control console.
2. **Document Connections:** Before disconnecting any wires, take clear photos or draw a diagram of all wire connections to the old board. This will aid in reconnecting them correctly to the new board.

3. **Disconnect Wires:** Carefully disconnect all wire harnesses and connectors from the old board. Note any specific locking mechanisms.
4. **Remove Old Board:** Unscrew or unclip the old control board from its mounting brackets.
5. **Install New Board:** Secure the new control board (238C4974G001 / WR01F04364) in the same position as the old one.
6. **Reconnect Wires:** Using your photos or diagram, carefully reconnect all wire harnesses and connectors to the new board. Ensure all connections are secure and correctly seated.
7. **Secure Panels:** Reattach any service panels or covers removed during the process.
8. **Restore Power:** Plug the refrigerator back into the power outlet.
9. **Test Functionality:** Verify that the refrigerator powers on and functions correctly. Check for proper cooling, light operation, and any error codes.

For detailed, model-specific installation instructions, consult your refrigerator's service manual or a qualified appliance technician.



Figure 1: Front view of the Mabe Refrigerator Control Board. This image displays the main components including the white multi-pin connector, a black potentiometer, and various circuit traces. The board is green with white markings indicating part numbers

(238C4974G001), a QR code (content: 2248|5557|02846), and other technical specifications like "POT SIRIUS R600" and "EBX1549P001R000 21/03/2013".



Figure 2: Back view of the Mabe Refrigerator Control Board. This image shows the solder points and circuit traces on the reverse side of the green board. The text "EBX1549P001R000 21/03/2013" is visible, along with a "TOTALHOGAR" watermark.



Figure 3: Angled view of the Mabe Refrigerator Control Board. This perspective highlights the black potentiometer shaft extending from the board, which is used for adjustments or mode selection. The "EBX1549P001R000 21/03/2013" text and "TOTALHOGAR" watermark are also visible.

OPERATION

The Mabe Refrigerator Control Board (238C4974G001 / WR01F04364) is the central electronic component that governs various operational aspects of your refrigerator. Once correctly installed, it manages functions such as:

- **Temperature Regulation:** Controls the cooling cycles of the compressor and fan motors to maintain desired temperatures in the fresh food and freezer compartments.
- **Defrost Cycles:** Initiates and manages automatic defrost cycles to prevent ice buildup on the evaporator coils.
- **Lighting:** Controls the internal lighting of the refrigerator.
- **User Interface:** Processes inputs from temperature controls, mode selectors, and other user-facing components.
- **Error Detection:** Monitors the system for malfunctions and may trigger error codes or warning indicators if issues are detected.

Users interact with the refrigerator's functions through the appliance's external controls (e.g., temperature dials, digital displays), which send signals to this control board for execution.

MAINTENANCE

While the control board itself requires minimal direct maintenance, ensuring its longevity involves proper care of the refrigerator and its environment.

- **Keep Dry:** Ensure the area where the control board is located remains dry and free from moisture or condensation. Moisture can cause short circuits and damage electronic components.
- **Clean Surrounding Area:** Periodically clean the area around the control board to prevent dust and debris buildup, which can impede airflow and lead to overheating. Always disconnect power before cleaning.
- **Stable Power Supply:** Connect the refrigerator to a stable power supply. Voltage fluctuations or power surges can potentially damage electronic components. Consider using a surge protector if your area experiences

frequent power issues.

- **Avoid Physical Impact:** Protect the refrigerator from physical impacts that could dislodge or damage internal components, including the control board.

TROUBLESHOOTING

If your refrigerator experiences issues after replacing the control board, or if you suspect the control board is malfunctioning, consider the following general troubleshooting steps. Always ensure the refrigerator is unplugged before inspecting internal components.

Common Symptoms and Potential Causes:

- **Refrigerator Not Cooling:**
 - Check if the power cord is securely plugged in.
 - Verify that the circuit breaker has not tripped.
 - Ensure the temperature settings are correct.
 - Inspect for proper airflow around the condenser coils.
 - *If these basic checks fail, the control board or other major components (compressor, fan) may be faulty.*
- **Lights Not Working:**
 - Check if the light bulb is loose or burnt out.
 - Ensure the door switch is functioning correctly.
 - *If bulbs and switches are fine, the control board might not be sending power to the lights.*
- **Refrigerator Running Constantly or Not At All:**
 - Check door seals for proper closure.
 - Ensure condenser coils are clean.
 - *Persistent issues may indicate a faulty thermostat, temperature sensor, or the control board itself.*
- **Unusual Noises:**
 - Identify the source of the noise (e.g., fan motor, compressor).
 - *While the control board doesn't directly cause mechanical noises, it controls components that do. A faulty board could lead to erratic operation of these components.*

When to Seek Professional Help:

If basic troubleshooting does not resolve the issue, or if you are uncomfortable performing electrical diagnostics, it is highly recommended to contact a certified appliance technician. Attempting complex repairs without proper knowledge and tools can lead to further damage or personal injury.

SPECIFICATIONS

The following specifications are for the Mabe Refrigerator Control Board, part numbers 238C4974G001 and WR01F04364.

Attribute	Detail
Brand	mabe

Attribute	Detail
Part Numbers	238C4974G001, WR01F04364
Product Type	Refrigerator Control Board / Selector Board
Compatible Models (Partial List)	RMS400IABREA, RMA250PHEL1_AA, RME360FJMRBA, RMT510RXTRBA, RME360FYMRSA, RMP400FLCT_AA, RME360FJM RSA, RMA305FYCC_AA, RMP365FYCT_AA, RMT510RYMRED, RME360FXMREA, RMP400FHUG1_AA, RMP360FJPC1_AA, RMS400IXMREC, RMA250FJCG1_AA, IBGP360TJCG1_AA, RMS400IAMREC, RMA235FJCT_AA, RGT400RYMRXA, RME360PVMREA, RME360FXMRBA, RMT510RYMRPA, ROS510IANRXA, RMA430FYEU1_AA, RMP400FLCG1_AA, IBGP420TJCG1_AA, RMS510IVMREC, RMA255FYCU_AA, RMA250FVPG1_AA, RME360FXMRSA, RMT510RXMRXC, RMA230FVEL1_AA, RMT510RYMREC, RMT400RYMREC, RME360FDMRPA, RMA250FHEL1_AA, RME360FDMRDA, RMS510IXMRXD, RMT510RXMRBC, IOM400MYMRNA, RMS510IXMRXA, IBGA230TJCG1_AA, RMA520FVPG1_AA, RGP400FGMU_AA, RETFA51XEUEA, RMP942FJLEL1_AA, RMS400IAMRPC, RMP405FYCU_AA, RMP360FLCL_AA, RMS510IAMRXA, RMA300FWUT_AA, RMS510IVMRED, RMT510RYMRPD, RMT510RXMRCA, RMS510IAMREA, RMS400IAMRXC, RMP425FYCU_AA, RMP840FYEU1_AA, RCT510RYMREC, RMS510IAMRPA, RMS510IXMRXC, RMA230FVPL1_AA, IOM400MYMRVA, RMP420FLPG1_AA, RMS400IXMREA, RMS400IVMREA, RGS510IXTRXA, RGT510RYMRXA, RMS400IAMREA, RMP420FLCG1_AA, RMT510RXMREA, RME360FDMREA, RMP942FLPG1_AA, RMA250FVPL1_AA, RMA250PHUG1_AA, RMP840FLEL1_AA, RMS510IABREA, RMT510RYMRPC, ROS400IANRXA, RMA305FYCT_AA, RTE360FXCRBA, RMA250PJEL1_AA, RME360FGMREA, RMT510RYMRCA, RMA250FJCL1_AA, RMP736FHEL1_AA, RCT510RYMREA, RTE360FXCREA, RGA300FBML_AA, RME360FDMRSA, RMP736FYEU1_AA, RMA430FBEG1_AA, RMT400RYMRCA, RMS400IAMRPA, ROS510IANRXC, RMT510RYMREA, RME360FYMREA, RMT510RXMRCC, RGS510IXTRBA, RMT510RXMRXA, RMS400IAMRXA, RMS510IVMREA, RMS400IVMREC, RME360FGMRSA, RMA230FJCG1_AA, RMT510RXMRBA, RMA250FYM7L_AA, RMA300FJCG_AA, RMA300FBPG1_AA, RMT400RYMREA, RME360FDMRXA
ASIN	B0CDYZNLSJ
First Available Date	August 7, 2023

WARRANTY AND SUPPORT

For information regarding the warranty of your Mabe Refrigerator Control Board (238C4974G001 / WR01F04364), please refer to the original purchase documentation or contact the seller directly. Warranty terms and conditions may vary depending on the retailer and region.

For technical support, service inquiries, or to find authorized service centers, please visit the official Mabe website or contact their customer service department. You can also visit the [Mabe Brand Store on Amazon](#) for more product information and resources.

Related Documents - 238C4974G001, WR01F04364

	<p>Mabe Refrigerator User Manual: RMB520I, RMB400I, RMB300I - Setup, Operation, and Maintenance</p> <p>Comprehensive user guide for Mabe refrigerators (Models RMB520I, RMB400I, RMB300I). Includes quick start, installation, operation, food storage tips, maintenance, troubleshooting, and warranty information.</p>
	<p>Manual de Instrucciones Horno de Empotre Mabe IO8042HGW / IO8042HEY</p> <p>Guía completa para la instalación, uso y mantenimiento del horno de empotre Mabe. Incluye especificaciones técnicas, advertencias de seguridad y funciones detalladas para los modelos IO8042HGW e IO8042HEY.</p>
	<p>Mabe Automatic Refrigerator / No Frost - Owner's Guide and Use & Care Manual</p> <p>Comprehensive owner's guide and use & care manual for Mabe Automatic Refrigerators / No Frost models. Includes installation, operation, cleaning, troubleshooting, and warranty information.</p>
	<p>Manual de Servicio Mabe Centro de Lavado: Modelos MCL6840 y MCL6040</p> <p>Manual de servicio completo para centros de lavado Mabe, cubriendo modelos MCL6840ESBB, MCL6840PSBB, MCL6040ESBB y MCL6040PSBB. Incluye especificaciones técnicas, guías de diagnóstico, desensamble y diagramas eléctricos.</p>
	<p>Manual do Usuário Lavadora de Roupas Continental LVCT1320 LVCT1520</p> <p>Guia completo do usuário para a Lavadora de Roupas Continental modelos LVCT1320 e LVCT1520, cobrindo instalação, operação, cuidados, solução de problemas e especificações técnicas.</p>
	<p>Mabe Top Load Washer Kraken 27" Service Manual</p> <p>Comprehensive service manual for Mabe Kraken 27" top-load washers, covering model nomenclature, safety procedures, disassembly, component replacement, and troubleshooting.</p>

