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Frigidaire 297370602

Frigidaire 297370602 Main Control Board User Manual

Genuine Replacement Part for Freezers

1. Introduction

This manual provides essential information for the installation and proper use of the Frigidaire 297370602 Main Control Board. This genuine Frigidaire part is engineered to exact specifications to ensure optimal performance and compatibility with your appliance.
It is crucial to verify compatibility with your specific appliance model before proceeding with installation. Refer to the compatibility section for a list of compatible models.

2. Safety Information

WARNING: Always disconnect power to the appliance before attempting any repairs or installations. Failure to do so can result in serious injury or death.
CAUTION: This installation requires an experienced repair person. For optimal results and safety, it is recommended that someone with specialized training install this part.
Always wear appropriate personal protective equipment, including gloves and safety glasses, during installation.

3. Compatibility

The Frigidaire 297370602 Main Control Board is compatible with the following Frigidaire freezer models:

- 28052
- 28432
- 28782

Before purchasing and installing, please consult your appliance's user manual or product documentation to confirm compatibility with your specific model number.



Figure 3.1: Compatibility information for the control board, listing models 28052, 28432, and 28782.

4. Setup and Installation

This section outlines the tools required and the general procedure for installing the main control board. Due to the nature of appliance repair, professional installation is highly recommended.

4.1 Tools Required

- Small screwdriver
- 2 putty knives
- Tape (to protect finish of door)
- Gloves
- Safety glasses



Figure 4.1: Installation information, indicating an experienced repair person skill level, 30 minutes install time, and required tools.

4.2 Installation Procedure (General Steps)

1. **Disconnect Power:** Ensure the freezer is unplugged from the electrical outlet before beginning any work.
2. **Access Control Board:** Carefully locate the existing main control board, typically found on the door or within a control panel.
3. **Remove Old Board:** Using the putty knives, gently pry out the old control board. Apply tape to the door's finish to prevent scratches.
4. **Install New Board:** Align the pins of the new Frigidaire 297370602 Main Control Board with the corresponding socket. Gently push the new board into place until it is securely seated.
5. **Reconnect Power:** Once the new board is securely installed, plug the freezer back into the electrical outlet.
6. **Test Functionality:** Verify that the freezer powers on and the control panel functions correctly.

Note: Specific steps may vary depending on your freezer model. Refer to your appliance's service manual for detailed instructions.


Hi Temp
Door Ajar
7 is
Coldest
0 is OFF
Alarm
Reset
Hold To Lock



Figure 4.2: Front view of the Frigidaire 297370602 Main Control Board.

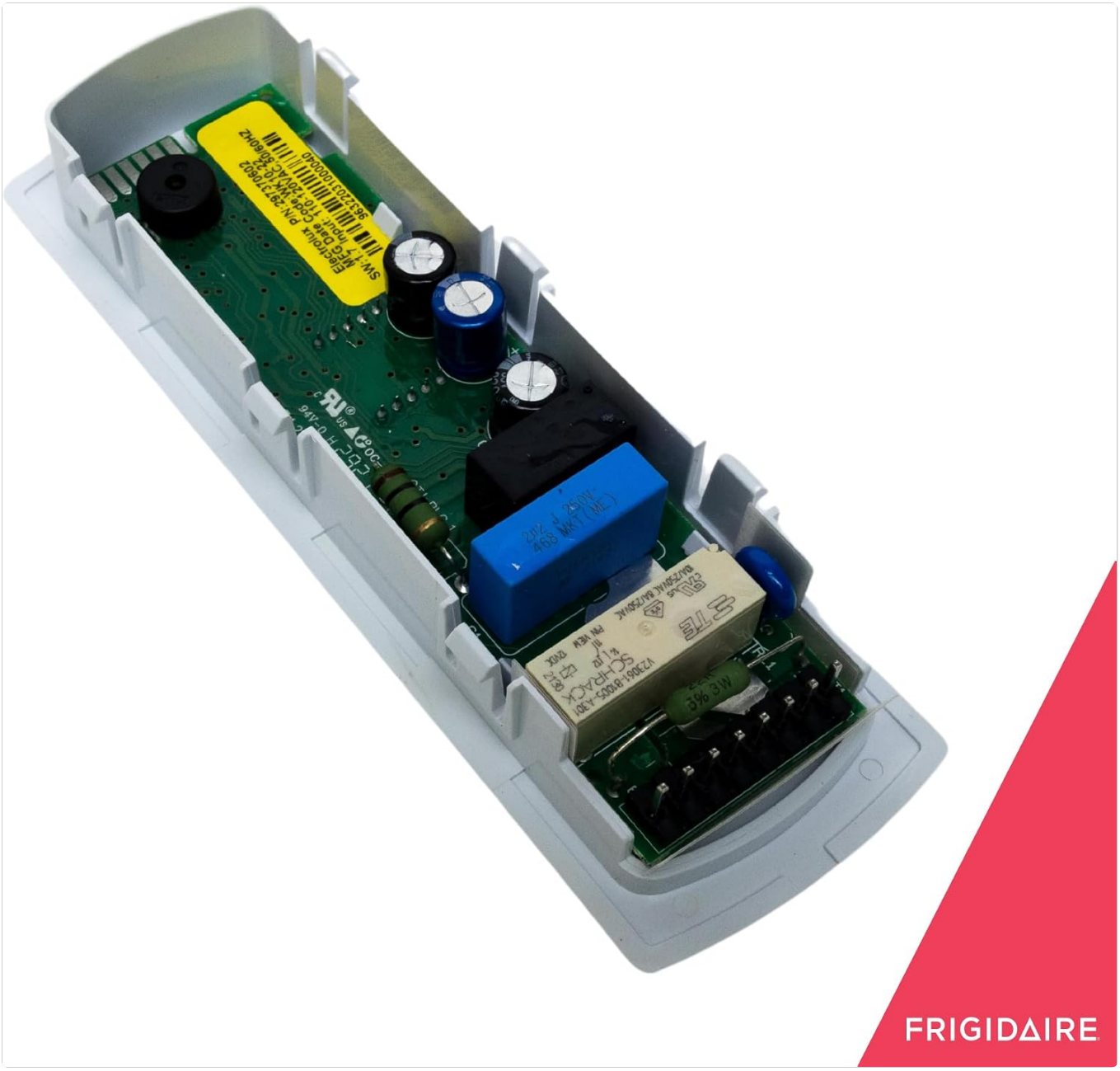


Figure 4.3: Rear view of the Frigidaire 297370602 Main Control Board, showing the electronic components.

5. Operating the Control Board

Once installed, the main control board allows you to manage your freezer's settings. The display typically shows the current temperature setting, and buttons allow for adjustments.



Figure 5.1: Detail of the control board's interface, showing temperature adjustment arrows, a digital display, and an Alarm Reset button.

- **Temperature Adjustment:** Use the **Up** (▲) and **Down** (▼) arrows to adjust the temperature setting. A setting of '7' typically indicates the coldest setting, while '0' indicates the unit is off.
- **Alarm Reset:** Press the **Alarm Reset** button to clear any active alarms, such as "Hi Temp" or "Door Ajar" indicators.
- **Control Lock:** Some models may feature a control lock function. To activate or deactivate, press and hold the **Alarm Reset** button as indicated by the lock icon.

6. Maintenance

The Frigidaire 297370602 Main Control Board is designed for durability and typically requires no routine maintenance after proper installation.

- **Cleaning:** If the control panel surface becomes dirty, gently wipe it with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Environmental Factors:** Ensure the area around the freezer is well-ventilated and free from excessive moisture or extreme temperatures, which can affect electronic components.

7. Troubleshooting

If your freezer experiences issues after replacing the control board, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Freezer not cooling or running continuously	Incorrect installation of control board; faulty sensor (not the control board itself); power supply issue.	Verify the control board is fully seated and connections are secure. Check power outlet. If issues persist, consult a qualified technician as other components may be at fault.
Control panel display is blank or showing erratic symbols	Control board not receiving power; damaged board (unlikely if new); loose connection.	Ensure the freezer is plugged in and receiving power. Re-seat the control board to ensure proper connection. If the issue persists, the board may be faulty or there's an underlying electrical problem.
"Hi Temp" or "Door Ajar" alarm persists	Door not fully closed; temperature not yet reached; faulty door switch or temperature sensor.	Ensure the freezer door is completely closed. Allow time for the freezer to reach the set temperature. If the alarm continues, inspect the door seal and sensor. Press "Alarm Reset".

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance repair technician.

8. Product Specifications

Attribute	Detail
Brand	Frigidaire
Model Number	297370602
Part Number	297370602
Item Weight	8.1 ounces (0.23 Kilograms)
Product Dimensions	6.1 x 5.3 x 8.2 inches
Country of Origin	China
Batteries Required	No
UPC	012505475221, 785577236587, 612058424167
Manufacturer	CE Sundberg



Figure 8.1: Dimensions of the Frigidaire 297370602 Main Control Board.

9. Warranty Information

Genuine Frigidaire parts are designed for reliability and performance. For specific warranty details regarding the Frigidaire 297370602 Main Control Board, please refer to the documentation included with your original appliance or contact Frigidaire customer support directly.

Using genuine Frigidaire parts ensures continued optimal performance and may be required to maintain your appliance's original warranty.

10. Customer Support

For further assistance, technical support, or to inquire about other genuine Frigidaire replacement parts, please visit the

official Frigidaire website or contact their customer service department.

Frigidaire Official Website: www.frigidaire.com

Frigidaire Assurance: Confidently repair your appliance when you choose genuine Frigidaire parts.



Figure 10.1: Symbols representing customer support and documentation.

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