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Whirlpool W10310240 HV Control Board Instruction Manual

INTRODUCTION

This document provides comprehensive instructions for the installation, programming, and maintenance of the Whirlpool W10310240 HV Control Board. This is a genuine Original Equipment Manufacturer (OEM) authorized replacement part designed to restore proper functionality to compatible Whirlpool, Maytag, and Kenmore refrigerators.

The Whirlpool W10310240 is an HV Control Board, a critical component responsible for managing various functions within your refrigerator, including temperature regulation and control panel responsiveness. Proper installation and programming are essential for optimal performance.

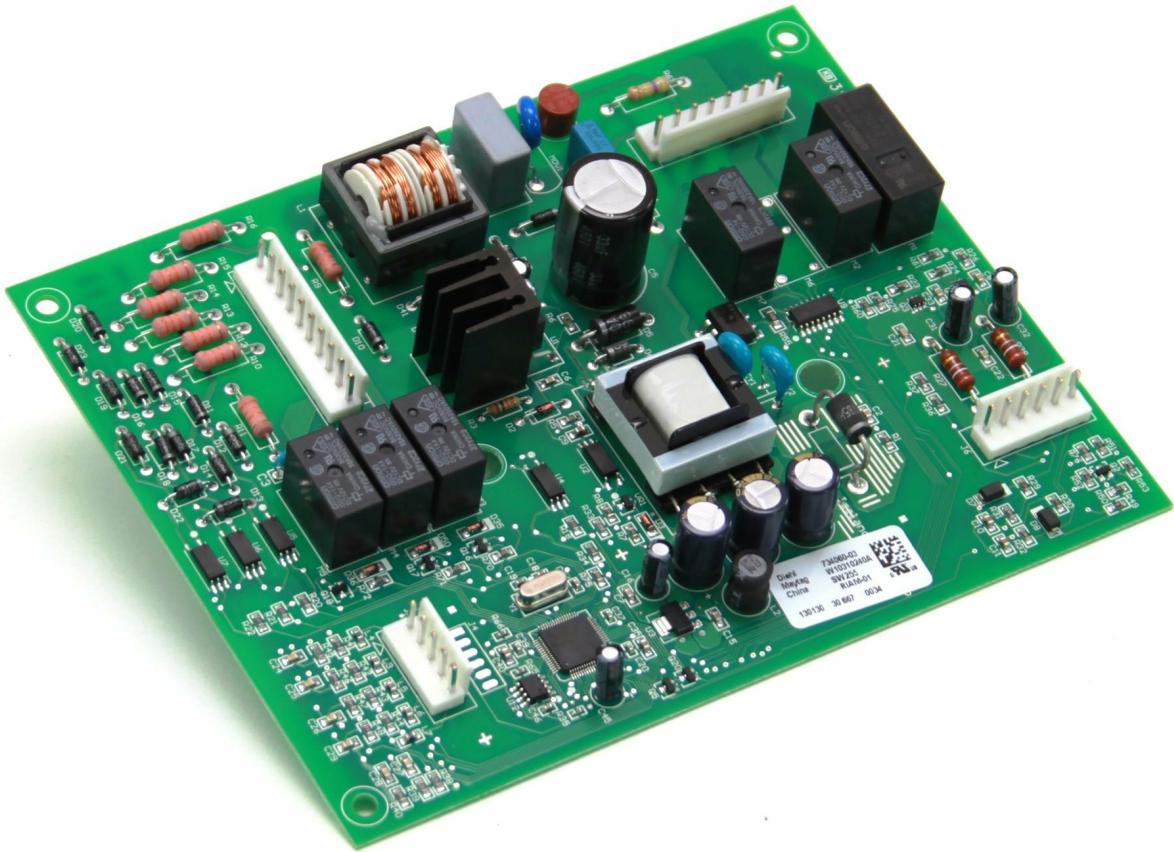


Figure 1: Whirlpool W10310240 HV Control Board

SAFETY INFORMATION

WARNING: Before attempting any installation or repair, ensure the appliance is completely disconnected from its power source to prevent electric shock. Always wear appropriate personal protective equipment.

- Disconnect power to the refrigerator before beginning any work.
- Electronic components are sensitive to electrostatic discharge (ESD). Take precautions to discharge any static electricity from your body before handling the control board.
- Handle the control board carefully to avoid damage to its components.
- If you are unsure about any step, consult a qualified appliance technician.

INSTALLATION AND PROGRAMMING

Tools Required:

- Screwdriver (appropriate for appliance panel screws)
- Quarter-inch drive (if applicable for panel removal)

Step-by-Step Installation:

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Control Board:** The main control board is typically located at the back of the refrigerator. Carefully pull the refrigerator away from the wall to access the rear panel.
3. **Remove Rear Panel:** Locate and remove the screws securing the rear access panel. Once screws are removed, carefully detach the panel to expose the control board.
4. **Disconnect Old Board:** Identify the old control board. Carefully disconnect all wire harnesses connected to the board. Note the position of each harness to ensure correct re-connection. Some harnesses may have clips that need to be pressed to release.
5. **Remove Old Board:** Once all harnesses are disconnected, unclip or unscrew the old control board from its mounting. Gently pull the board out.
6. **Install New Board:** Position the new Whirlpool W10310240 HV Control Board in place and secure it with the clips or screws.
7. **Reconnect Wire Harnesses:** Reconnect all wire harnesses to their corresponding ports on the new control board. Ensure each connection is firm and secure.
8. **Replace Rear Panel:** Reattach the rear access panel and secure it with its screws.
9. **Restore Power:** Plug the refrigerator back into the wall outlet or turn on the circuit breaker.

Programming the Control Board:

After installation, the new control board must be programmed with the correct code for your specific refrigerator model. This code is usually found on the model/serial number sticker inside your refrigerator, often on the upper right side of the fresh food compartment.

1. **Enter Programming Mode:**
 - a. Press and hold the **Door Alarm** keypad.
 - b. Within 3 seconds, press and hold the **Freezer Temperature Down** keypad.
 - c. Release the **Door Alarm** keypad and wait 3 seconds.
 - d. The control panel display will show "PE" to indicate programming mode.
2. **Confirm Entry:** Press the **Freezer Temperature Down** keypad once more. The control will display the current program code (e.g., "PE0 000").
3. **Locate Your Refrigerator's Code:** Open the refrigerator door and find the nameplate with the model and serial number. Look for a "CODE" number (e.g., "2020"). This code is specific to your refrigerator model.
4. **Enter the Program Code:**
 - a. Use the **Refrigerator Temperature Up** or **Refrigerator Temperature Down** keypads to change the digit value. The moving decimal point indicates the selected digit.
 - b. Press the **Freezer Temperature Up** keypad to select the next digit.
 - c. Repeat steps a and b until the desired program code is entered.
5. **Save the Program Code:** Once the correct program code is displayed, press and hold the **Freezer Temperature Down** keypad until the program code begins flashing. This indicates it has been saved. If an invalid code is entered, the control will beep and not save the new code.
6. **Exit Programming Mode:** Press any key to exit programming mode. Alternatively, the mode will exit

automatically if left unattended for four minutes, or you can press the **Door Alarm** key for 3 seconds.

Your browser does not support the video tag.

Video 1: Control Board Installation and Programming Guide. This video demonstrates the process of replacing and programming a refrigerator control board.

OPERATING THE REFRIGERATOR CONTROL PANEL

After successful installation and programming of the W10310240 HV Control Board, your refrigerator's control panel should function normally. The panel typically displays the current freezer and refrigerator temperatures and allows you to adjust settings.

- **Temperature Adjustment:** Use the Up/Down arrow buttons next to 'Freezer Temperature' and 'Refrigerator Temperature' to set desired cooling levels.
- **Light:** Activates or deactivates the interior light.
- **Humidity Control:** Adjusts humidity levels in specific drawers (if equipped).
- **Fast Cool:** Engages a rapid cooling cycle for quick chilling of new items.
- **Door Alarm:** Toggles the door open alarm feature.
- **Temp Alarm:** Alerts you if temperatures fall outside optimal ranges.
- **Filter Reset:** Used to reset the water filter indicator after replacing the filter. Hold for 3 seconds.
- **Ice/Water Dispenser:** Buttons to dispense ice or water (if equipped).

MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your refrigerator and its components, including the control board.

- **Clean Condenser Coils:** Periodically clean the condenser coils located at the bottom or back of your refrigerator. Dust and debris can accumulate, reducing efficiency and potentially stressing electronic components.
- **Inspect Wiring:** Occasionally check the wiring connected to the control board for any signs of wear, fraying, or loose connections.
- **Avoid Moisture:** Ensure the area around the control board remains dry to prevent damage from moisture.
- **Power Surges:** Consider using a surge protector for your refrigerator to protect sensitive electronic components from electrical fluctuations.

TROUBLESHOOTING

If your refrigerator experiences issues after replacing the control board, consider the following common problems and solutions:

- **Unresponsive Control Panel / Flashing Lights:**
 - a. This is a common symptom if the control board is not correctly programmed. Refer to the "Programming the Control Board" section and ensure the correct model-specific code has been entered and saved.
 - b. Check all wire harness connections to the control board to ensure they are secure.
- **Refrigerator Not Cooling:**
 - a. Verify that the control board has been programmed correctly. An incorrect or missing program code (e.g., "0000") will prevent the unit from running.
 - b. Ensure the refrigerator's power supply is stable and uninterrupted.
- **Incorrect Temperature Display:**

- a. Re-enter the programming code to ensure it was saved correctly.
- b. If the issue persists, there might be a problem with temperature sensors or the control board itself.

If troubleshooting steps do not resolve the issue, it is recommended to contact Whirlpool customer support or a certified appliance technician for further assistance.

SPECIFICATIONS

| Attribute | Value |
|----------------------|------------------------|
| Brand Name | Whirlpool |
| Model Info | W10310240 |
| Item Weight | 7.8 ounces |
| Product Dimensions | 1.5 x 1.5 x 1.5 inches |
| Item Model Number | W10310240 |
| Part Number | W10310240 |
| Batteries Included? | No |
| Batteries Required? | No |
| ASIN | B003ZE5NPK |
| Date First Available | August 12, 2010 |

WARRANTY AND SUPPORT

The Whirlpool W10310240 HV Control Board is an O.E.M. (Original Equipment Manufacturer) authorized part, ensuring compatibility and quality when used as a replacement for specified models.

For specific warranty information regarding this replacement part, please refer to the documentation provided with your original appliance or contact Whirlpool customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

If you require further assistance with installation, programming, or troubleshooting that is not covered in this manual, please visit the official Whirlpool support website or contact their customer service department for expert guidance.





Whirlpool Corporation Factory Certified Parts & Accessories

Figure 2: Whirlpool Corporation Factory Certified Parts & Accessories

