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› UYAAZVHJ Refrigerator Control Board BCD-518WP/HC4 2130493 Instruction Manual

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UYAAZVHJ Refrigerator Control Board BCD-518WP/HC4 2130493

INSTRUCTION MANUAL

Brand: UYAAZVHJ | Model: BCD-518WP/HC4 2130493

1. PRODUCT OVERVIEW

This document provides essential instructions for the installation, operation, and maintenance of the UYAAZVHJ Refrigerator Control Board, model BCD-518WP/HC4 2130493. This component is a variable frequency control board designed for specific refrigerator models, ensuring proper function and energy efficiency of the appliance.

The control board manages various refrigerator functions, including compressor operation, temperature regulation, and defrost cycles. Proper installation is crucial for the safe and effective operation of your appliance.

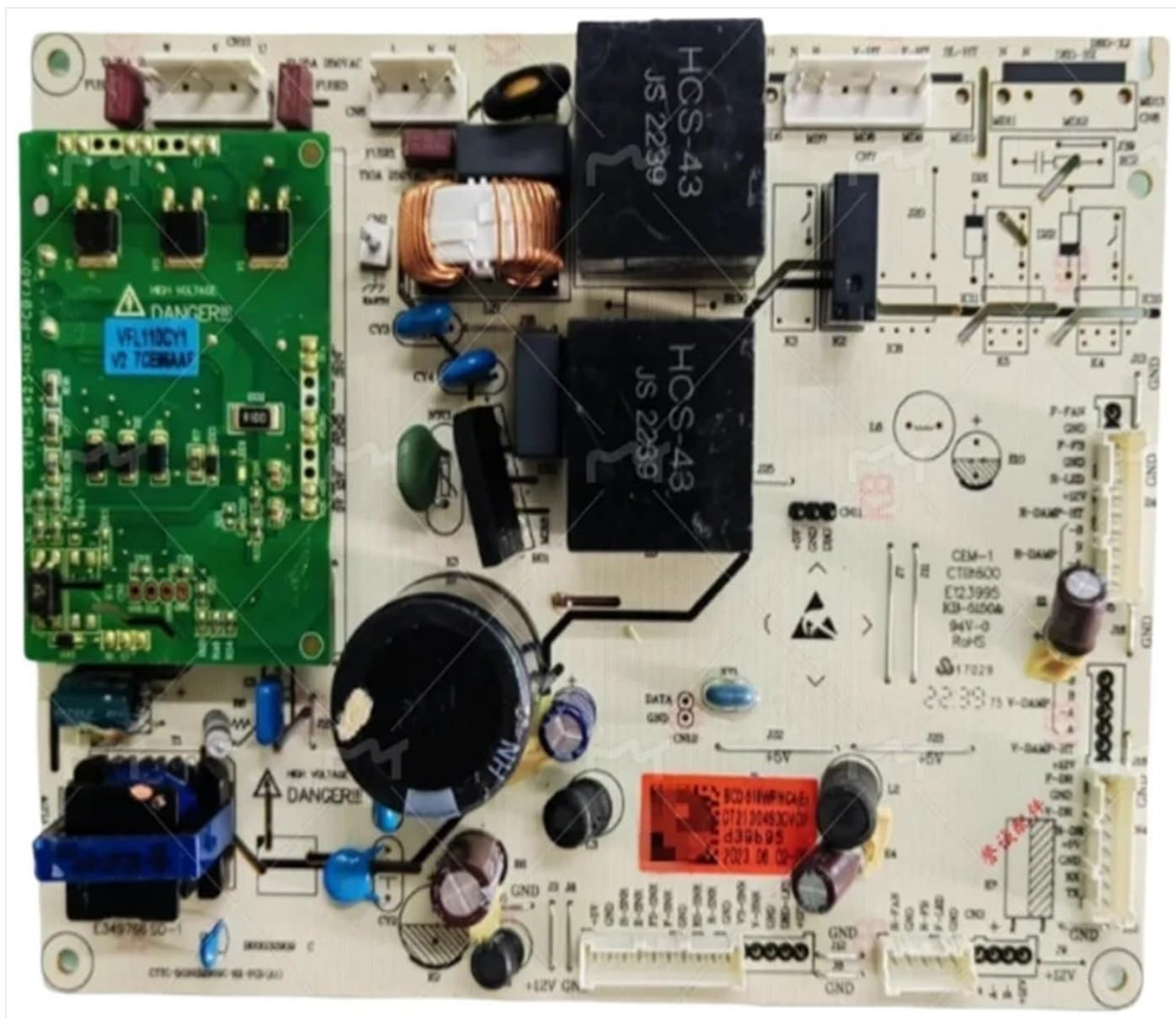


Figure 1: UYAAZVHJ Refrigerator Control Board BCD-518WP/HC4 2130493. This image displays the full circuit board with various components, connectors, and warning labels, including high voltage areas and model identifiers.

2. SAFETY INFORMATION

WARNING: Installation and servicing of this control board should only be performed by qualified and certified technicians. Improper installation can result in electric shock, fire, or damage to the appliance.

- Always disconnect power to the refrigerator before attempting any installation, removal, or maintenance procedures.
- Observe all warning labels on the control board, particularly those indicating "HIGH VOLTAGE" and "DANGER".
- Wear appropriate personal protective equipment (PPE), including insulated gloves and safety glasses.
- Ensure the work area is dry and well-lit.
- Do not touch components on the board with bare hands unless static discharge precautions are taken.
- Verify that the replacement board matches the original board's specifications and model number to ensure compatibility.

3. INSTALLATION INSTRUCTIONS

This section outlines the general steps for replacing a refrigerator control board. Specific procedures may vary depending on the refrigerator model. Refer to your refrigerator's service manual for detailed

instructions.

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Control Board:** Locate and carefully remove the access panel or cover that houses the existing control board. This is typically found at the back of the refrigerator or inside the control panel area.
3. **Document Connections:** Before disconnecting any wires, take clear photographs or make detailed diagrams of all wire connections to the old control board. Note the color and position of each wire.
4. **Disconnect Wires:** Carefully disconnect all wiring harnesses and individual wires from the old control board. Use appropriate tools to avoid damaging connectors.
5. **Remove Old Board:** Unscrew or unclip the old control board from its mounting brackets.
6. **Install New Board:** Position the new UYAAZVHJ BCD-518WP/HC4 2130493 control board in the same location and secure it with screws or clips.
7. **Reconnect Wires:** Using your photographs or diagrams, carefully reconnect all wires and harnesses to the new control board. Ensure each connection is secure and correctly seated. Pay close attention to polarity where applicable (e.g., +12V, GND).
8. **Secure Access Panel:** Replace any access panels or covers that were removed.
9. **Restore Power:** Plug the refrigerator back into the electrical outlet or turn on the circuit breaker.
10. **Test Operation:** Monitor the refrigerator's operation to ensure all functions (cooling, lighting, fan, etc.) are working correctly.

Note: The board features various connectors for power (e.g., 220V AC, +12V CN), data, and specific functions like fan control (F-FAN), defrost (R-DAMP), and variable frequency drive (V-DAMP-IT). Ensure all corresponding connections are made accurately.

4. OPERATING THE REFRIGERATOR WITH THE NEW CONTROL BOARD

Once the UYAAZVHJ BCD-518WP/HC4 2130493 control board is correctly installed, the refrigerator should resume normal operation. The control board functions automatically to regulate the refrigerator's internal temperature and manage its various components.

- Allow several hours for the refrigerator to reach its set temperature after installation.
- Monitor for any unusual noises, smells, or operational anomalies.
- Refer to your refrigerator's user manual for instructions on setting temperature and using specific features.

5. MAINTENANCE

The UYAAZVHJ BCD-518WP/HC4 2130493 control board is designed for long-term reliability and typically requires no routine user maintenance. To ensure its longevity:

- Keep the area around the control board clean and free from dust and debris.
- Ensure proper ventilation for the refrigerator to prevent overheating of electronic components.
- Avoid exposing the control board to moisture or extreme temperature fluctuations.
- Do not attempt to repair or modify the control board yourself. It contains no user-serviceable parts.

6. TROUBLESHOOTING

If your refrigerator experiences issues after the control board replacement, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Refrigerator not powering on.	Loose power connection, faulty power outlet, incorrect wiring.	Check if the refrigerator is plugged in securely. Verify power at the outlet. Re-check all power connections to the control board (e.g., 220V AC input, +12V CN).
Refrigerator not cooling.	Incorrect wiring to compressor, faulty temperature sensor connection, compressor issue.	Ensure compressor wiring is correct. Verify temperature sensor connections. If issues persist, consult a professional.
Fan not operating.	Loose or incorrect F-FAN connection.	Check the F-FAN connector on the control board.
Unusual noises or smells.	Component malfunction, short circuit.	Immediately disconnect power and contact a qualified technician.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance repair technician or the product manufacturer for further assistance.

7. PRODUCT SPECIFICATIONS

- **Brand:** UYAAZVHJ
- **Model Number:** BCD-518WP/HC4 2130493
- **Part Number:** UYAAZVHJ (as per product data, often matches manufacturer for generic parts)
- **Type:** Refrigerator Control Board, Variable Frequency
- **Item Weight:** 3.49 ounces (approx. 99 grams)
- **Product Dimensions:** 1.18 x 0.79 x 0.39 inches (approx. 3 x 2 x 1 cm)
- **Input Voltage:** 220V AC (indicated on board)
- **Auxiliary Power:** +12V (indicated on board)
- **Compliance:** RoHS (indicated on board)
- **Date First Available:** November 15, 2024

8. WARRANTY AND SUPPORT

Specific warranty details for this product may vary depending on the retailer and purchase date. Please refer to your purchase documentation or contact the seller directly for warranty information.

For technical support or inquiries regarding the UYAAZVHJ BCD-518WP/HC4 2130493 Refrigerator Control Board, please contact the manufacturer or your authorized service provider.

Manufacturer: UYAAZVHJ

