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› Kenmore Refrigerator Electronic Control Board Instruction Manual

Kenmore 40301-0099722

Kenmore Refrigerator Electronic Control Board Instruction Manual

Model: 40301-0099722

1. INTRODUCTION

This manual provides essential information for the Kenmore 40301-0099722 Refrigerator Electronic Control Board. This genuine Original Equipment Manufacturer (OEM) part is designed to manage critical functions of your refrigerator, including cooling and defrost cycles. Understanding its role and proper handling is crucial for safe and effective operation.

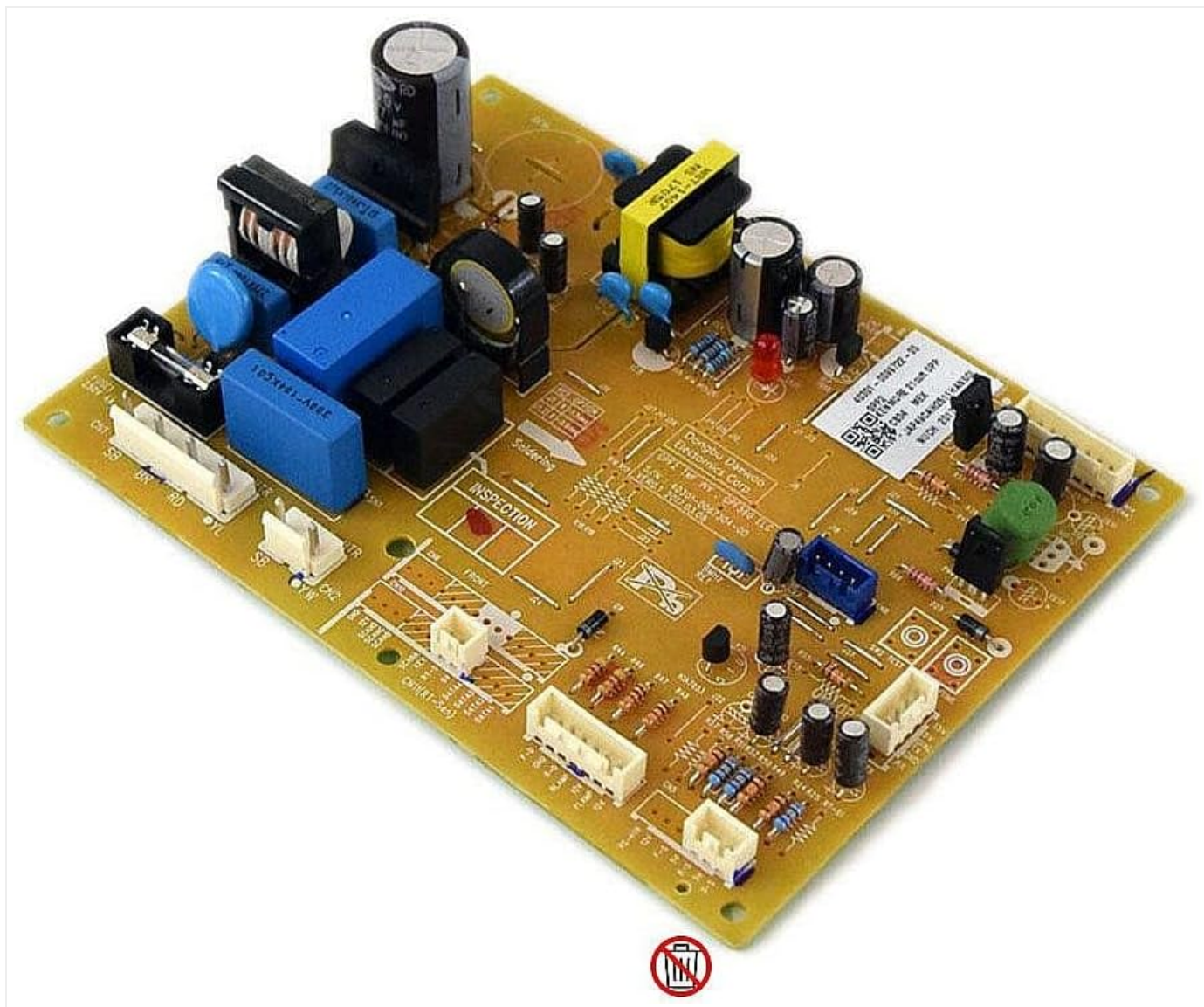


Image 1: The Kenmore 40301-0099722 Refrigerator Electronic Control Board. This component is vital for regulating the refrigerator's temperature and defrosting operations.

2. SAFETY INFORMATION

Before attempting any installation or maintenance, always prioritize safety. Failure to follow these instructions could result in personal injury or damage to the appliance.

- **WARNING:** Always unplug the refrigerator from its power source before installing this part or performing any service. This prevents electrical shock.
- Safely store any food items that could deteriorate while the refrigerator's power is off.
- Wear work gloves to protect your hands from sharp edges or components during installation.
- If you are unsure about any step, consult a qualified appliance technician.

3. SETUP AND INSTALLATION

This electronic control board is a direct replacement part. While it may differ in appearance from prior parts (e.g., 40301-0116800, 40301-0116800-01, 40301-0099722-01), it is a functional equivalent.



Image 2: Important compatibility check. Always verify your refrigerator's model number against the compatible models listed to ensure this part is suitable for your appliance.

Compatible Models:

This part is compatible with various Kenmore and Daewoo refrigerator models, including but not limited to: 11161205713, 11161205714, 11161205711, 11161205712, WTE21GSSMD00, WTE21GSWMD00, WTE21HBBCD00, 11161215611, WTE21HSWCE01, 11171215613, 11171215612, 11161219613, WTE21GBTDD, 11161219611, 11171215611, 11171219613, 11161219612, 11171219612, 11161209711, 11171219611, 11161209712, 11161209713, 11161209714, WTL21HBWCD, WTE21GBWCD, WTE21HBWCD00, 11161202711, WTE21GSSLD00, WTE21HBSLD00, WTE21GSBMD00, 11171212613, WTL21HBSLD, 11171212611, 11171212612, 11161212611, WTE21GSWCE00, WTE21GBBCD.

General Installation Steps (Consult Service Manual for Specifics):

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet.
2. **Access Control Board:** Locate and access the electronic control board compartment, typically found at the back of the refrigerator or behind a control panel. Refer to your refrigerator's specific service manual for exact location and access instructions.
3. **Disconnect Wiring:** Carefully disconnect all wiring harnesses and connectors from the old control board. Take photos or label wires if necessary to ensure correct re-connection.

- 4. **Remove Old Board:** Unmount the old control board from its housing.
- 5. **Install New Board:** Mount the new Kenmore 40301-0099722 control board in the same position.
- 6. **Reconnect Wiring:** Reconnect all wiring harnesses and connectors securely to the new board. Ensure all connections are firm.
- 7. **Secure Compartment:** Re-secure any covers or panels removed to access the board.
- 8. **Restore Power:** Plug the refrigerator back into the wall outlet.
- 9. **Test Operation:** Allow the refrigerator to run for a period to confirm proper cooling and defrost cycles.

4. OPERATING PRINCIPLES

The Kenmore 40301-0099722 Electronic Control Board serves as the central processing unit for your refrigerator's core functions. It receives input from various sensors (e.g., temperature sensors) and sends commands to components like the compressor, evaporator fan, and defrost heater.

- **Cooling Management:** Regulates the compressor and fan operation to maintain desired temperatures in the fresh food and freezer compartments.
- **Defrost Cycle Control:** Initiates and manages the automatic defrost cycles to prevent ice buildup on the evaporator coils, ensuring efficient cooling.
- **Power Distribution:** Distributes power to various components as needed for their operation.

As an internal component, there is no direct user interaction with the control board itself. Its operation is automatic, based on the refrigerator's settings and internal conditions.

5. MAINTENANCE

The electronic control board is a sealed unit and generally requires no routine maintenance. However, to ensure its longevity and proper function, consider the following:

- **Keep Dry:** Ensure the area around the control board remains dry and free from moisture, which can damage electronic components.
- **Cleanliness:** Periodically, with the power disconnected, gently clean any dust accumulation around the board's housing using a soft brush or vacuum cleaner. Avoid using liquids.
- **Stable Power:** Protect your refrigerator from power surges by using a surge protector, which can help extend the life of electronic components like the control board.

6. TROUBLESHOOTING

If your refrigerator is experiencing issues after replacing the control board, or if you suspect the control board is faulty, consider these common symptoms:

Symptom	Possible Cause	Action
Refrigerator not cooling or cooling intermittently	Faulty control board, sensor issue, or compressor problem.	Verify power supply. Check for error codes if your model has a display. If recently replaced, re-check all connections.
Excessive frost buildup in freezer	Defrost cycle not initiating or completing, often due to control board or defrost heater/sensor failure.	Ensure freezer door seals properly. If problem persists, the control board or defrost components may need professional diagnosis.

Symptom	Possible Cause	Action
Refrigerator completely dead (no lights, no cooling)	No power to the unit, main control board failure, or faulty power cord.	Check wall outlet and circuit breaker. If power is present at the outlet, the control board might be the issue.

For complex issues or if you are unable to diagnose the problem, it is highly recommended to contact a certified appliance repair technician.

7. SPECIFICATIONS

Part Number: 40301-0099722

Type: Electronic Control Board

Application: Refrigerator

Brand: Kenmore (Genuine OEM Part)

Compatible Brands: Daewoo

Manufacturer: Daewoo

Package Dimensions: 25.91 x 17.5 x 13.21 cm

Weight: 453.59 g

ASIN: B07PT7SC5B

Internal Reference (if applicable): 441783 (This number may be found on the board itself for internal tracking or identification purposes.)



Image 3: Daewoo, the manufacturer of this genuine OEM part.

8. WARRANTY AND SUPPORT

As a Genuine Original Equipment Manufacturer (OEM) part, this control board is produced to the highest standards. For specific warranty information regarding this part, please refer to the documentation provided with your original refrigerator appliance or contact Kenmore or Daewoo customer support directly.

For technical assistance or further inquiries, it is recommended to reach out to the official Kenmore or Daewoo service channels.

Kenmore Support: [Visit Kenmore Support Website](#)

Daewoo Support: [Visit Daewoo Support Website](#)

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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