Beko Evaporator Heater (Compatible with BK-9550 NF, 9550 NFE, BK 9551 NF)

Beko Refrigerator Evaporator Heater Installation and Maintenance Guide

For Models: BK-9550 NF, 9550 NFE, BK 9551 NF

1. Introduction

This manual provides essential information for the safe and correct installation, understanding the function, and maintaining the evaporator heater for Beko refrigerators. This replacement part is compatible with Beko refrigerator models BK-9550 NF, 9550 NFE, and BK 9551 NF. Please read these instructions thoroughly before attempting any installation or maintenance.

2. Safety Information

WARNING: Risk of Electric Shock and Injury.

- Always disconnect the refrigerator from the main power supply before attempting any installation, repair, or maintenance.
- If you are not confident in performing electrical repairs, seek assistance from a qualified technician.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Ensure all connections are secure and correctly made to prevent electrical hazards.
- Keep children and pets away from the work area.

3. Product Overview

The evaporator heater is a critical component in a no-frost refrigerator system. Its primary function is to periodically melt the ice that accumulates on the evaporator coils. This process, known as defrosting, prevents excessive ice buildup, which can obstruct airflow and reduce the refrigerator's cooling efficiency.

Image 1: Beko Refrigerator Evaporator Heater. This image displays the evaporator heater component, typically a metal

rod with electrical connections, designed to fit within the refrigerator's evaporator section.

4. Specifications

Product Type	Evaporator Heater
Compatible Refrigerator Models	Beko BK-9550 NF, 9550 NFE, BK 9551 NF
Dimensions (D x W x H)	10D x 10G x 10Y millimeters (approximate)
Brand (Manufacturer/Distributor)	Genel
ASIN	B0CMDF7QBF

Note: Dimensions are approximate and may vary slightly. Always verify compatibility with your specific refrigerator model before purchase and installation.

5. Installation (Setup)

Follow these steps carefully to replace the evaporator heater. Refer to your refrigerator's specific service manual for detailed disassembly instructions if needed.

5.1 Tools Required

- Screwdrivers (Phillips and Flathead)
- Nut drivers or wrenches (if applicable)
- Pliers
- Multimeter (for testing, optional)
- Work gloves

5.2 Preparation

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet.
2. **Empty Refrigerator:** Remove all food items from the freezer and refrigerator compartments. Store perishable items in a cooler.
3. **Access Freezer Compartment:** Open the freezer door and remove shelves, ice maker (if applicable), and any other obstructions to access the rear panel.

5.3 Removing the Old Heater

4. **Remove Rear Panel:** Locate and remove the screws holding the rear panel of the freezer compartment. Carefully detach the panel, which may be held by clips or additional screws. You will expose the evaporator coils.
5. **Locate Evaporator Heater:** The evaporator heater is typically located at the bottom or within the evaporator coils. It may be secured with clips or screws.
6. **Disconnect Wiring:** Carefully disconnect the electrical wires connected to the old heater. Note their positions or take a photo for reference.
7. **Remove Old Heater:** Unclip or unscrew the old evaporator heater and carefully remove it from its position.

5.4 Installing the New Heater

8. **Position New Heater:** Place the new evaporator heater in the exact position where the old one was

removed. Ensure it is securely clipped or screwed into place.

9. **Connect Wiring:** Reconnect the electrical wires to the new heater, ensuring a secure and correct connection. Double-check against your reference photo if you took one.

5.5 Reassembly and Testing

10. **Reattach Rear Panel:** Carefully reattach the freezer compartment's rear panel, ensuring all screws and clips are secure.
11. **Replace Components:** Reinstall shelves, ice maker, and any other components removed during preparation.
12. **Restore Power:** Plug the refrigerator back into the electrical outlet.
13. **Monitor Operation:** Allow the refrigerator to run for several hours. Check for proper cooling and listen for the defrost cycle to ensure the new heater is functioning correctly.

6. Function (Operating)

The evaporator heater operates automatically as part of the refrigerator's defrost cycle. It is controlled by the defrost timer or the main control board. Periodically, the compressor will shut off, and the evaporator heater will activate to warm the evaporator coils, melting any accumulated frost. The melted water then drains through a tube to a drain pan, where it evaporates. This cycle typically occurs several times a day, ensuring efficient cooling and preventing ice buildup.

7. Maintenance

While the evaporator heater itself requires no direct user maintenance, ensuring the overall health of your refrigerator can prolong its lifespan and efficiency:

- **Keep Condenser Coils Clean:** Regularly clean the condenser coils, usually located at the back or underneath the refrigerator. Dirty coils make the compressor work harder, potentially affecting other components.
- **Check Door Seals:** Ensure refrigerator and freezer door seals are intact and sealing properly. Leaky seals allow warm, moist air in, leading to increased frost buildup and more frequent defrost cycles.
- **Avoid Overloading:** Do not overload the freezer compartment, as this can restrict airflow around the evaporator coils, leading to inefficient defrosting.
- **Monitor for Frost Buildup:** If you notice excessive or rapid frost buildup in the freezer, it may indicate an issue with the defrost system, including the heater, defrost thermostat, or defrost timer.

8. Troubleshooting

If your refrigerator is experiencing issues related to defrosting, the evaporator heater might be a contributing factor. Here are some common symptoms and potential causes:

Symptom	Possible Cause Related to Evaporator Heater	Action
Excessive ice buildup in freezer	Heater failure (open circuit), faulty defrost thermostat, or defrost timer.	Test heater for continuity with a multimeter. Check defrost thermostat and timer. Replace faulty component.

Refrigerator not cooling properly	Severe ice buildup on evaporator coils due to heater failure, blocking airflow.	Inspect evaporator coils for ice. If heavily iced, heater may be faulty. Follow installation steps to replace.
Refrigerator runs constantly	Inefficient cooling due to ice buildup, causing the compressor to work overtime.	Check for ice buildup and heater function.

Note: Troubleshooting electrical components requires caution. If unsure, consult a qualified appliance technician.

9. Warranty Information

Specific warranty details for this evaporator heater are not provided in the product information. Please refer to your purchase documentation or contact the seller directly for warranty terms and conditions.

10. Customer Support

For technical assistance or further inquiries regarding this product, please contact the retailer or manufacturer from whom you purchased the evaporator heater. Specific customer support contact information is not available in this manual.