

79578032211

Generic Refrigerator Compressor Start Relay Instruction Manual

Compatible with various Kenmore and LG Refrigerator Models

1. INTRODUCTION

This instruction manual provides essential information for the installation, operation, maintenance, and troubleshooting of your new Generic Refrigerator Compressor Start Relay. This component is crucial for the proper functioning of your refrigerator's compressor, enabling it to start and run efficiently. Please read this manual thoroughly before attempting any installation or repair to ensure safety and correct procedure.

2. SAFETY INFORMATION

Working with electrical appliances can be hazardous. Always follow these safety guidelines:

- **Disconnect Power:** Always unplug the refrigerator from the power outlet before attempting any repair or installation. Failure to do so can result in electric shock or serious injury.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and safety glasses, to prevent injury.
- **Professional Assistance:** If you are unsure about any step or uncomfortable performing the repair, consult a qualified appliance technician.
- **Handle with Care:** Electrical components can be delicate. Handle the relay carefully to avoid damage.
- **Proper Disposal:** Dispose of old parts according to local regulations.

3. PRODUCT OVERVIEW

The compressor start relay is an electrical component designed to provide a temporary boost of power to the refrigerator's compressor motor during startup. Once the compressor reaches operating speed, the relay disengages, allowing the compressor to run efficiently. A faulty start relay can prevent the compressor from starting, leading to cooling issues in the refrigerator.



Image 1: Generic Refrigerator Compressor Start Relay. This image displays the compact design of the relay, typically a black or dark-colored plastic component with electrical terminals for connection to the compressor and power supply.

4. COMPATIBILITY

This Generic Refrigerator Compressor Start Relay is designed to be a compatible replacement part for a wide range of Kenmore and LG refrigerator models. To ensure proper fit and function, it is crucial to verify that this part matches your refrigerator's specific model number or the original part number you are replacing. Some compatible models include, but are not limited to:

- **Kenmore Models:** 79579759901, 79577562600, 79578733802, 79577193600, 79573959300, 79577194600, 79569972902, 79569972900, 79579012902, 79578346803, 79578032211, 79569293800.
- **LG Models:** LFC23760SW/00, LFD22860ST, LRFD22850TT, LMX25981SW, LFX25971SB02, LFC23760SB/00, LDC22720TT-02, LBC22520SB/00, LRFD25850TT, LTC22350WH, LMC25780SB, LFC20760ST/00.

For a complete list of compatible models, please refer to the product listing or consult your appliance's service manual.

5. WHAT'S IN THE BOX

Your package should contain the following item:

- 1 x Compressor Start Relay

6. INSTALLATION INSTRUCTIONS

Disclaimer: Appliance repair should only be performed by individuals with appropriate knowledge and tools. If you are not confident in your ability to perform this repair safely, please seek professional assistance.

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet to prevent electric shock.
2. **Access Compressor Area:** Locate the compressor at the back of the refrigerator, usually near the bottom. You may need to remove a rear access panel, typically held by screws.
3. **Locate Old Relay:** The start relay is usually attached to the side of the compressor. It may be housed in a small plastic box or directly clipped onto the compressor's electrical terminals.
4. **Disconnect Wiring:** Carefully disconnect any wires connected to the old relay. Note their positions or take a picture for reassembly.
5. **Remove Old Relay:** Gently pull or unclip the old relay from the compressor terminals. It might require a slight twist or firm pull.
6. **Install New Relay:** Align the new start relay with the compressor terminals and push it firmly into place until it clicks or is securely seated.
7. **Reconnect Wiring:** Reconnect the wires to the new relay in their original positions. Ensure all connections are secure.
8. **Replace Access Panel:** Reattach the rear access panel, if removed.
9. **Restore Power:** Plug the refrigerator back into the electrical outlet.
10. **Test Operation:** Listen for the compressor to start and observe if the refrigerator begins to cool.

7. OPERATION

Once installed, the compressor start relay operates automatically. When the refrigerator's thermostat calls for cooling, the relay engages to provide the initial surge of power needed to start the compressor motor. After the compressor is running, the relay disengages, and the compressor continues to operate until the desired temperature is reached. You should hear the compressor hum and the refrigerator should begin to cool down.

8. MAINTENANCE

The compressor start relay is a sealed component and does not require routine maintenance. Its lifespan is typically determined by operational cycles and electrical conditions. If the relay fails, it must be replaced.

9. TROUBLESHOOTING

If your refrigerator is not cooling after replacing the start relay, consider the following:

- **Compressor Not Starting:** If the compressor makes a clicking sound but doesn't start, or if it tries to start and then immediately shuts off, the new relay might be faulty, or there could be an issue with the compressor itself.
- **No Power:** Ensure the refrigerator is properly plugged into a working electrical outlet and that the circuit breaker has not tripped.
- **Loose Connections:** Double-check all wiring connections to the relay and compressor terminals to ensure

they are secure.

- **Incorrect Part:** Verify that the installed relay is the correct part number for your specific refrigerator model.
- **Other Component Failure:** A non-starting compressor could also be due to a faulty compressor motor, capacitor (if applicable), or thermostat. Further diagnosis by a professional may be required.

10. SPECIFICATIONS

Feature	Specification
Brand	Generic
Item Model Number	79578032211
Product Dimensions	1 x 1 x 1 inches
Current Rating	0.01 Amps
Connector Type	N/a
Contact Material	N/a
Contact Type	N/a
Mounting Type	N/A
Date First Available	May 10, 2025

11. WARRANTY AND SUPPORT

For warranty information regarding this Generic Refrigerator Compressor Start Relay, please refer to the original purchase documentation or contact the seller directly. As this is a generic replacement part, warranty terms may vary. For technical support or further assistance, it is recommended to consult a qualified appliance repair technician or refer to your refrigerator's specific service manual.