

LRFC25750WW

Generic Refrigerator Compressor Start Relay Instruction Manual

Model: LRFC25750WW

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of the Generic Refrigerator Compressor Start Relay. This component is designed to facilitate the starting process of the compressor in compatible LG and Kenmore refrigerator models. Please read this manual thoroughly before attempting any installation or repair to ensure safety and optimal performance.

2. PRODUCT OVERVIEW

The compressor start relay is a critical electrical component in a refrigerator's cooling system. Its primary function is to provide a temporary boost of power to the compressor's start winding, allowing it to overcome initial inertia and begin its operation. Once the compressor is running, the relay disengages the start winding, allowing the compressor to operate efficiently on its run winding.



Figure 1: The Generic Refrigerator Compressor Start Relay. This compact, black rectangular component features two gold-colored electrical terminals on one side and a small black cylindrical protrusion on the top. The model number 'PS6R8MD2E ORT1508' is visible on its side.

3. COMPATIBILITY

This Generic Refrigerator Compressor Start Relay is compatible with a wide range of LG and Kenmore refrigerator models. Please verify your refrigerator's model number against the lists below to confirm compatibility before installation.

Compatible LG Models:

- LBC20514TT/00, LFX23961SW, LFC22740TT/00, LFC22740SW/00, LFC23760SB02, LRBP1031T, LFX21971ST/03, LRBP1031W, LFC21760ST/00, LRTGC1815W, LRFC25750TT, LRDC22743ST/00, LRFC25750SW/00, LFD25860SW/00, GR151SPF, LFX23961SW01, LBC22520ST, LBC22520ST/00, LFC25760SB, LFC20760ST/03, LFC23760SB/02, LDN22735ST/00, LRFC25750WW/00, LFC20740ST/00, LFX25971SB03, LRFC22750TT, LFD22860SW/00, LRFC21755ST, LBC22520TT, LFX23961SB/00, LRFD25850SW/00, LFD25860SB, LDN22735SW, GR-K095, LFC25760SW,

LRFD21855ST, LFX25971SW/00, LMX21981ST, LFC20760ST-AST4LGY, LMX25981SB-02,
LFD22860TT, LMX25981ST/03, LRBC20512SW01, LFC20760SB/06, LFX25971SB/01

- LRFC25750SW, LFX23961SB/01, GR-K13PBQ, LFC25760ST/00, LDC22720TT/00, LFX21971ST/02,
LFC20760SW/00, LDC22720TT, LFX25961ST/00, GRK095, GR-151SPF, LRFC21755TT,
LFD21860ST/00, LRFC21755SB, LMX25981SB02, LFC20760ST-AST1LGY, LFC22740SB/00,
LBC22520SB, LBC20514TT, LFC20760SW/03, LBC22520SB-01, LRTN19320BK, LFX25961SB,
LFX25971SW/02, LFC23760SB/03, LFX25971SW, LFD22860SB, LRBP1031NI, LFC21760ST, GR-
051CN, LFX25980ST/01, LRBN20512WW, LDN22735ST, LDC22720TT-01, LFC25760SW/00,
LFX25971ST/03, LBC24360ST/00, LFX25971ST/01, LTC19340ST, LRDC22744ST, LFX25961SW/00
- LMX25981ST, LDC22720TT/02, LFC23760SB/01, LRTN22312SW, LRFC22750ST, LFX23961ST,
LFX21971ST/01, GR051SF, GR-051SF, LFX25971SB01, LRTN22312TT, LTC22350WH/00,
LFC20760SB/04, LFX23961SB01, LMC25780SW/00, LFX25960TT, GRK09S, LFX23961ST/01,
LFC20760ST06, LBC22520SW/00, LFD25860ST/00, LFX23961SW/00, LDC22720TT01,
LRFC21755TT/00, LFX25961ST, LRFD22850ST, LFX25971ST/00, LMX25981SW-02, LFX21980ST01,
LFX25960ST/00, LFX25971SB/02, LRTGC1815BS, LFX23961ST/00, LRFD25850ST/00,
LMX25981ST/00, LRFD25850SB, LFD25860SW, LBC24360SW/03, LTC22350SS, LFD22860SW,
LFC23760ST/00

Compatible Kenmore Models:

- 79569372900, 79569974901, 79575312900, 79577316601, 79573262300, 79578519800, 79578309804,
79569913902, 79579303900, 79578344802, 79579754900, 79575556401, 79578749800, 79579374900,
79569379900, 79578502803, 79579309900, 79577573600, 79578762802, 79578419800, 79569293902,
79577314600, 79578509800, 79578302805, 79578509804, 79569374900, 79578413800, 79578763802,
79579304900, 79579374901, 79578042310, 79579752900, 79579376900, 79578409801, 79579732900,
79578506803, 79575549401, 79577563600, 79575192401, 79577253601, 79575196401, 79579372900,
79569919902, 79578342801, 79569299902, 79569376902, 79575554400, 79579974901, 79578094901,
79569376900, 79578349802, 79579372901, 79578769800, 79578406801, 79579752902, 79578752800,
79575196501, 79578419900, 79579303901, 79579374902, 79573964300, 79573254300, 79579976900,
79575199401, 79569913900, 79579013900, 79568039211, 79577579600, 79579737900, 79578306805,
79579757902, 79578342802, 79578743801, 79578409803, 79578304805, 79577244600, 79579976902,
79578274901, 79579754901, 79571306011, 79578306804, 79578039211, 79579013902, 79573263302,
79578762800, 79578763801, 79569376901, 79565204402, 79578279901, 79575553400, 79579759903,
79575549400, 79569979900, 79577192600, 79573963300, 79579012900, 79579302900, 79578406803,
79575554401, 79578512801, 79579759902, 79578044310, 79579972900, 79575552400, 79578749802,
79578309805, 79578416801, 79577543600, 79569372901, 79575082402, 79578343802, 79579742900,
79578503803, 79569912902, 79579912900, 79579302901, 79569979903, 79579379902, 79578753802,
79569972903, 79579974900, 79579309901, 79569292902, 79578502800, 79579433211, 79577546600,
79579014901, 79578739805, 79579379900, 79577564600, 79579919900, 79578416800, 79575543400,
79575559401, 79579299902, 79578753800, 79575194401, 79579769900, 79579376901, 79578733804,
79578509803, 79577314601, 79577544600, 79579019900, 79569919900, 79578506800, 79577572600,
79578403802, 79575193401, 79578503804, 79579972901, 79578502802, 79579439211, 79577253602,
79579432218, 79573264300, 79578503801, 79578099901, 79578316804, 79565204402, 79575546401,
79573266300, 79578412801, 79575286400, 79578314804, 79578402800, 79579014900, 79578009211,
79579759900, 79579913900, 79578519801, 79579432217, 79579432211, 79573962300, 79575559400,
79577542600, 79579752901, 79578743802, 79579913902, 79575544401, 79575542400, 79569974900,
79579979900, 79578093901, 79569912900, 79575193501, 79577199600, 79569292900, 79579292902,
79579754902, 79569974902, 79578344803, 79565009402, 79579762900, 79579974902, 79575546400,
79569976901, 79578043310, 79578513800, 79577306600, 79578739800, 79579759901, 79577562600,
79578733802, 79577193600, 79573959300, 79577194600, 79569972902, 79569972900, 79579012902,
79578346803, 79578032211, 79569293800, 79569374901, 79578302804, 79568033211, 79579912902,
79577243600, 79578409800, 79578763800, 79579293902, 79577556600, 79578739802, 79573263300,
79577244601, 79571306010, 79569979901, 79569293900, 79577312601, 79579743900, 79578764802,

79577552600, 79579919902, 79578343803, 79578512800, 79579432215, 79579292901, 79579747900, 79569912901, 79578764800, 79579019901, 79571309011, 79579976901, 79571309010, 79569372902, 79579304901, 79577559600, 79578509801, 79579299901, 79578402802, 79579439215, 79575313900, 79577306601, 79579757903, 79578506801, 79575543401, 79579372902, 79568272900, 79577569600, 79573263301, 79575542401, 79578733805, 79579976903, 79573269300, 79578502804, 79579014902, 79569299900, 79575556400, 79579013901, 79579757901, 79579979902, 79579379901, 79578759802, 79578342803, 79578733806, 79569974903, 79578503800, 79578516800, 79579304902, 79575553401, 79578272901, 79577304600, 79578753801, 79578553800, 79579733900, 79578503802, 79575544400, 79579376902, 79579292900, 79578342804, 79578403803, 79575319900, 79577549600, 79569379901, 79577316600, 79577302601, 79577253600, 79579293901, 79573969300, 79569379902, 79578506804, 79573252300, 79569976903, 79569912903, 79569976902, 79569919901, 79577312600, 79578346802, 79573952300, 79579974903, 79575552401, 79578412800, 79578759800, 79579763900, 79578733801, 79578733800, 79579757900, 79579764900, 79577302600, 79578304804, 79578752802, 79579972902, 79578743800, 79578769802, 79569979902, 79579293900, 79569292901, 79579299900, 79578349803, 79577242600, 79578516801, 79579012901, 79578739801, 79578406800, 79573966300, 79578312804, 79569293901, 79579979901, 79577244602, 79578403800, 79578049310, 79578403801, 79569374902, 79569972901, 79578319804, 79578754800, 79569299901, 79577196600, 79579753900, 79569913901

4. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power before servicing.

- Always disconnect the refrigerator from the power supply before attempting any repairs or installations.
- Wear appropriate personal protective equipment, including insulated gloves.
- If you are unfamiliar with electrical repairs, it is highly recommended to seek assistance from a qualified technician.
- Ensure all connections are secure and properly insulated after installation.

5. WHAT'S IN THE BOX

Your package should contain the following item:

- 1 x Compressor Start Relay

6. SETUP AND INSTALLATION

Installation of a compressor start relay typically involves accessing the compressor compartment of your refrigerator. Due to the electrical nature of this component and the potential for injury or damage, professional installation is strongly recommended.

General Installation Steps (Consult your refrigerator's service manual for specific instructions):

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet to prevent electric shock.
2. **Access Compressor:** Locate and remove the rear access panel of the refrigerator to expose the compressor and its electrical components.
3. **Identify Old Relay:** Carefully identify the existing compressor start relay. Note its orientation and how it connects to the compressor terminals.
4. **Remove Old Relay:** Disconnect any wires attached to the old relay and gently pull it off the compressor terminals.
5. **Install New Relay:** Align the new Generic Compressor Start Relay with the compressor terminals and

push it firmly into place. Reconnect any wires exactly as they were on the old relay.

6. **Secure and Test:** Ensure all connections are secure. Replace the access panel. Plug the refrigerator back into the power outlet and monitor its operation to confirm the compressor starts correctly.

7. OPERATING INSTRUCTIONS

Once correctly installed, the compressor start relay operates automatically as part of your refrigerator's cooling cycle. When the thermostat calls for cooling, the relay engages to start the compressor. It then disengages, allowing the compressor to run. No manual intervention is required for its operation.

8. MAINTENANCE

The compressor start relay is a sealed unit and does not require routine maintenance. However, it is advisable to periodically inspect the wiring and connections in the compressor compartment for any signs of wear, corrosion, or loose connections during other refrigerator maintenance tasks. If the relay shows signs of physical damage or burning, it should be replaced.

9. TROUBLESHOOTING

If your refrigerator is experiencing issues related to the compressor starting, the start relay may be a potential cause. Common symptoms of a faulty start relay include:

- **Clicking Sound:** A repeated clicking sound from the compressor area without the compressor starting.
- **Compressor Not Starting:** The compressor fails to start, and the refrigerator does not cool.
- **Overheating:** The relay or compressor may feel excessively hot to the touch.

Before assuming the relay is faulty, ensure the refrigerator has adequate ventilation and that the condenser coils are clean. If symptoms persist, and you suspect the relay, professional diagnosis and replacement are recommended.

10. SPECIFICATIONS

Specification	Detail
Product Dimensions	1 x 1 x 1 inches
Item Model Number	LRFC25750WW/00
Manufacturer	Generic
Current Rating	0.01 Amps
Mounting Type	N/A

11. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.

