

KBFC42FTS00

# Generic Refrigerator Replacement Inverter Board Instruction Manual

Model: KBFC42FTS00

## 1. INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of your new Generic Refrigerator Replacement Inverter Board. Please read this manual thoroughly before attempting any installation or repair to ensure proper function and safety. This inverter board is designed as a replacement part for specific refrigerator models from KitchenAid, Jenn-Air, Whirlpool, and Kenmore.

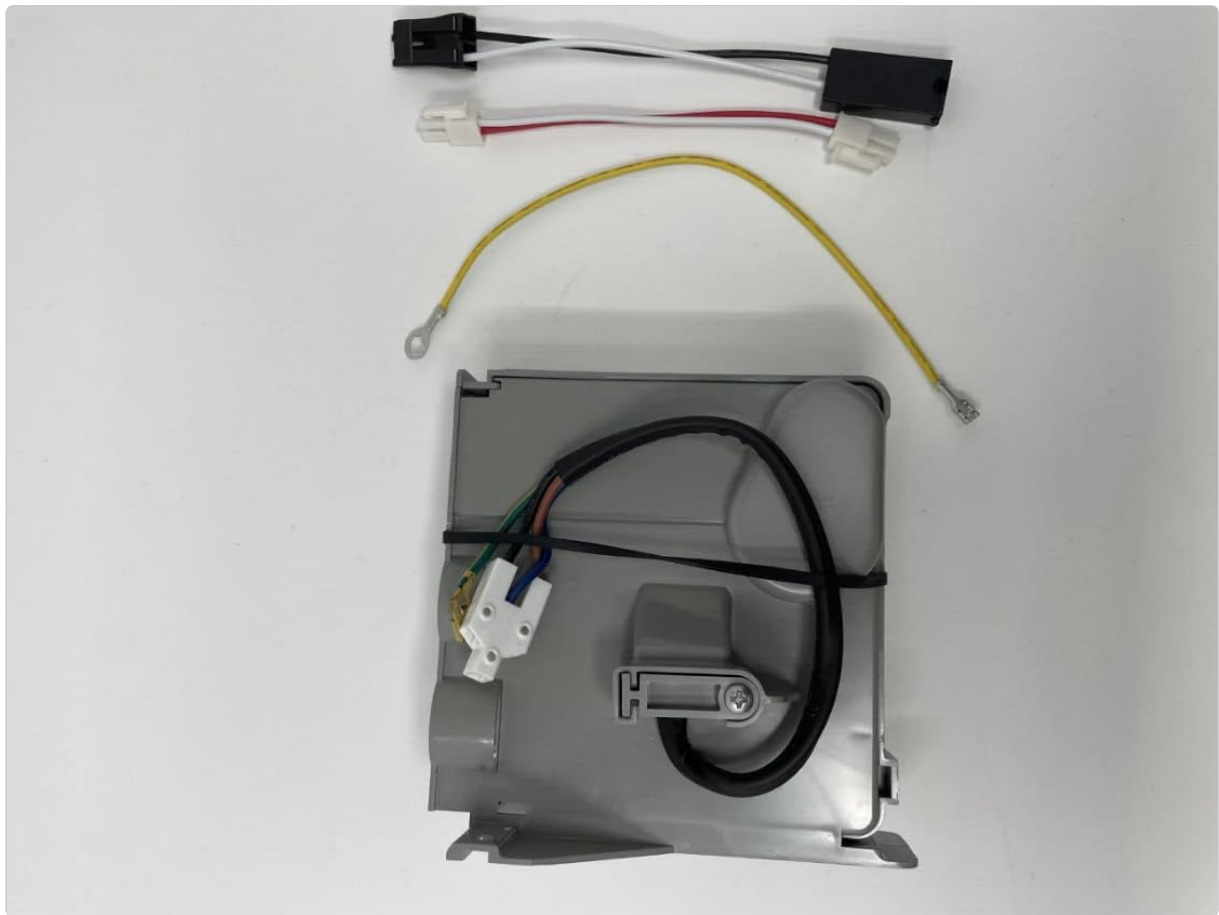
## 2. SAFETY INFORMATION

**WARNING:** Before beginning any repair or installation, always disconnect power to the appliance at the circuit breaker or fuse box. Failure to do so can result in serious injury or death from electrical shock.

- Always wear appropriate personal protective equipment, such as gloves and safety glasses.
- Ensure the work area is well-lit and clear of obstructions.
- If you are unsure about any step, consult a qualified appliance repair technician.
- Keep children and pets away from the work area.
- Handle electronic components with care to avoid damage from static electricity.

## 3. PRODUCT OVERVIEW

The inverter board is a critical component in modern refrigerators, responsible for controlling the compressor's speed and operation. This control allows for more efficient cooling and temperature regulation. A malfunctioning inverter board can lead to issues such as the refrigerator not cooling, unusual noises, or the compressor not starting.



*Image 1: Generic Refrigerator Replacement Inverter Board. The image displays the gray plastic housing of the inverter board with attached wiring harnesses, including black, white, red, and yellow wires with various connectors.*

## 4. COMPATIBILITY

This replacement inverter board (Model: KBFC42FTS00) is compatible with a wide range of refrigerator models from KitchenAid, Jenn-Air, Whirlpool, and Kenmore. Please verify your appliance's model number against the list below to ensure compatibility before installation.

### **KitchenAid Models:**

- KBLC36FTS03, KSBS23INBT01, KBRV36FPM01, KSSS42QKB00, KSSS36FTX02, KBLV36FPM01, KSSS36QMX00, KSSC42QVS02, KSSS48FTX00, KSCS25INSS03, KBFC42FTS00
- KBRO36FTX00, KSSS42QKX01, KBLC36FMS02, KBFO42FTX02, KSSO36FMX03, KSCS25INWH01, KSCS25FSBT02, KSSS42QKW02, KSSO48QTB00, KSCS25FTWH01, KSSO36QMB00, KSSS42FMX03, KSFS25FKBL00, KBLC36FTS05, KBRP36FKS02, KSSC42FMS00, KSSS48QTX00, KSSS42FMX02, KSSO36QTX04, KSSO36QTB04, KSSS48QKB01, KSSS48QKW01, KSCS25FTBL02, KSCS25FTBT00, KSSC36FMS03, KSFS25FKBL01, KSSO36QTB00, KSSO42QTX03, KSSS48QTW04, KBLO36FTX02, KSCS23INSS01, KSSO36FMX01, KSSC42QKS01, KBLC36FMS01, KSSC48FTS02, KSCS25FTBL01, KSCS23FTBL01, KSCS23FTSS02, KBLP36FMS02, KSSS42FMX01, KSFS25FKWH01, KSSC36QTS05, KSCS23FTSS01, KSCS23FTBT02, KBLS36FTX02, KSCS25FSMS02, KSSO42FMX02, KSCS23FTWH00, KSSS36QTW00, KSSC36FKB01, KSSO36QMB01
- *And many more models listed in the product description. Please refer to the original product listing for a comprehensive list.*

### **Jenn-Air Models:**

- JS48NXFXDW02, JF42NXFXDW02, JS48CXDBDB01, JS42PPDUDB02, JS48SEDUDB00, JF42PPFXDB01, JB36NXFXRW02, JB36NXFXRW01, JS42PPDUDB00, JF42NXFXDW01, JS48CXFXDB00, JS48CXDBDB00, JS48SEDUDB01, JB36PPFXLB00, JS42SEDUDW00, JS48PPFXDB00, JS48CXDUDB00, JS48SEDUEA01, JS42PPFXDB00, JS42CXDUDB00, JS48CXDBDB13, JB36PPFXRB00, JS42CXDUDB02, JS42SEDUDW01,

JB36NXFXLW00, JS42PPDUDB01, JS48PPDUDB01, JF42CXFXDB00, JS42CXFXDB00, JS48SEDUDW00, JS42SEDUDB01, JS48NXFXDW00, JB36CXFXRB00, JS42NXFXDW01

- JS42NXFXDW00, JS48CXFXDB01, JF42CXFXDB01, JS48PPDUDB02, JF42SEFXDB01, JS42SEFXDB00, JS48PPDUDB00, JB36SEFXRB00, JS48PPDUDB13, JS42SEDUDB00, JF42PPFXDB00, JS42CXDBDB00, JS42NXFXDW02, JB36NXFXLW02, JF42NXFXDW00, JS48SEDUDW12, JB36NXFXLW01, JB36NXFXRW00, JS42SEDUDW12, JB36CXFXLB00, JS48SEFXDB00, JS48NXFXDW01, JF42SEFXDB00, JB36SEFXLB00
- *And many more models listed in the product description. Please refer to the original product listing for a comprehensive list.*

#### **Whirlpool Models:**

- W8RXEGMVB00, GC3PHEXNQ02, GC5SHEXNQ02, GC5SHGXLT00, GC5NHAXST00, GC5SHGXKT01, GC5NHAXSB01, GC5NHAXST02, GC5SHEXNB01, W8TXEWFVB00, GC5SHEXNB02, GC5THEXNS03, GC5NHAXSY01, GC5THEXNS02, GC3PHEXNT00, EC3JHAXRL01, GC5SHEXNB00, W8RXEGFWQ00, GC5SHEXNB05, GC5SHEXNT03, GC5SHEXNS02, GC3NHAXST00, GC5THGXLQ00, GC3SHEXNS03, GC5SHEXNS05, GC5THGXLT00, GC5NHAXSY02, GC5SHEXNQ00, GC3PHEXNT00, GC3PHEXNB00, GC5THEXNQ01, GC3NHAXVQ00, GC3SHEXNB03, GC5NHAXSY03, GC5THGXKB00, GC5SHGXLS01, GC3NHAXVS00, GC3PHEXNT03, GC3PHEXNB02, GC5THEXNB01, GC5THGXLB00, GC5NHAXST03, GC5THGXKT01, GC3SHEXNS04, GC5SHGXLT01, W8RXEGFWB00, GC5THEXNB03, GC5SHGXKS01, GC5SHEXNQ04, GC5THEXNT02, W8TXEWFVQ00, GC5SHGXKS00, GC5THGXKQ00, GC3PHEXNQ03, W8RXEGFWS00, W8RXEGMVS00, GC3SHEXNB00, GC3NHAXVY00, GC5SHEXNT01, GC3SHEXNQ02, GC5SHGXKB01, GC5THGXKB01, GC5NHAXSQ00, GC3SHEXNB02, GC3SHEXNT04, GC5NHAXSY00, GC3SHEXNS02, GC3SHEXNS00, GC3PHEXNS02, GC3NHAXSY00, GC5THGXKQ01, GC5NHAXSQ02, GC5SHEXNT04, GC5NHAXSB00, GC3SHEXNT01, GC3SHEXNQ00, EC3JHAXRL00, GC5SHEXNT00, GC5SHEXNB03, GC3SHEXNB04, GC5SHEXNQ05, GC5THEXNT03, GC3SHEXNQ03, GC3PHEXNS01, JF42PPFXDB01, GC5SHEXNB04, GC5NHAXSQ03, GC5NHAXSQ01, GC3PHEXNS03, JB36PPFXRB00, GC3PHEXNB01, EC3JHAXRS01, GC5NHAXST01, GC5SHGXLB00, GC3NHAXVA00, GC5SHGXLB01, W8RXEGMVQ00, GC3NHAXSQ00, GC5THEXNQ02, KBLC36FTS02, GC5NHAXSB03, GC3NHAXVB00, GC5THEXNT01, GC3PHEXNT01, GC5SHGXKB00, GC3SHEXNT02, GC5THEXNQ00, JF42CXFXDB00, JB36CXFXRB00, GC5THEXNS01, GC3PHEXNQ00, GC3SHEXNQ01, GC5SHEXNS03, GC3SHEXNT03, GC3SHEXNB01, GC5SHEXNQ01, EC3JHAXRS00, GC5SHGXKQ01, GC5NHAXSB02, GC3PHEXNS00, GC5SHEXNS00, GC3SHEXNQ04, GC5THEXNB00, GC5THEXNB02, GC5SHGXLQ00, KBRP36FMS02, GC5SHGXKQ00, GC5SHEXNS04, GC5THGXKT00, GC5THEXNQ03, GC5SHGXLQ01, GC3PHEXNQ01, GC3NHAXSB00, GC5SHGXKT00, GC5SHEXNT02, GC3PHEXNT02, GC5THGXLS00
- *And many more models listed in the product description. Please refer to the original product listing for a comprehensive list.*

#### **Kenmore Models:**

- 10644022600, 10644024600, 10644032603, 10644023601, 10644424601, 10644434602, 10644433600, 10644022601, 10644029600, 10644032600, 10644434603, 10644322400, 10644432603, 10644424603, 10644429603, 10644432601, 10644432600, 10644039603, 10644422602, 10644429602, 10644432602, 10644033602, 10641523500, 10644439601, 10641522500, 10644033601, 10644439600, 10644424600, 10644429600, 10644423603, 10644022603, 10644034600, 10641524500, 10644039601, 10644029601, 10644329400, 10644424602, 10644023602, 10644023600, 10644423600, 10644039600, 10644439602, 10644323400, 10644032601, 10644423601, 10644033603, 10644433603, 10644023603, 10641529500, 10644422603, 10644033600, 10644422601, 10644434600, 10644022602, 10644439603, 10644029602, 10644433602, 10644029603, 10644422600, 10644429601, 10644434601, 10644433601, 10644032602, 10644039602, 10644423602, 10644324400

## **5. SETUP AND INSTALLATION**

The installation of an inverter board typically involves accessing the compressor area of the refrigerator. Due to variations in refrigerator designs, these are general steps. Always refer to your specific refrigerator's service manual for detailed instructions.

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Inverter Board:** Locate the inverter board, which is usually situated near the compressor at the back or bottom of the refrigerator. You may need to remove a rear access panel.
3. **Document Wiring:** Before disconnecting any wires, take clear photos or make a diagram of the existing wiring connections to the old inverter board. This will aid in correct reassembly.
4. **Disconnect Wires:** Carefully disconnect all wiring harnesses and ground wires from the old inverter board.
5. **Remove Old Board:** Unscrew or unclip the old inverter board from its mounting bracket.
6. **Install New Board:** Mount the new replacement inverter board in the same location as the old one, securing it with screws or clips.
7. **Connect Wiring:** Using your photos or diagram, carefully connect all wiring harnesses and ground wires to the new inverter board. Ensure all connections are secure and correctly seated.
8. **Replace Access Panel:** Reinstall any access panels that were removed.
9. **Restore Power:** Plug the refrigerator back into the wall outlet or turn on the circuit breaker.
10. **Test Operation:** Monitor the refrigerator for proper operation, ensuring the compressor starts and the cooling system functions correctly.

**Note:** Professional installation is recommended if you are not experienced with appliance repair.

## 6. OPERATING PRINCIPLES

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Once installed, the inverter board operates automatically. It receives signals from the refrigerator's main control board to adjust the compressor's speed based on cooling demands. This dynamic control allows the compressor to run at varying speeds, rather than just on or off, leading to more stable temperatures, reduced energy consumption, and quieter operation. No user interaction is required for the inverter board's operation.

## 7. MAINTENANCE

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The inverter board itself requires no routine maintenance. To ensure its longevity and the overall efficiency of your refrigerator, consider the following general appliance maintenance tips:

- Keep the condenser coils clean. Dust and debris can accumulate on the coils, reducing cooling efficiency and putting strain on the compressor and inverter board.
- Ensure adequate ventilation around the refrigerator, especially at the back where the compressor and inverter board are located.
- Avoid overloading the refrigerator, which can lead to increased cooling demands.

## 8. TROUBLESHOOTING

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If your refrigerator is experiencing issues after replacing the inverter board, consider these troubleshooting steps:

- **Refrigerator Not Cooling:**
  - Check if the refrigerator is plugged in and receiving power.
  - Verify that the circuit breaker has not tripped.
  - Ensure all wiring connections to the inverter board are secure.
  - Confirm the compressor is running. If not, the inverter board or compressor may still be faulty, or there might be an issue with the main control board.
- **Unusual Noises:**

- Listen for the source of the noise. If it's coming from the compressor area, it could indicate a compressor issue or an improperly installed inverter board.
- Ensure no wires or components are vibrating against the refrigerator casing.
- **Compressor Not Starting:**
  - Double-check all electrical connections.
  - If the inverter board is receiving power but the compressor does not start, the compressor itself might be faulty, or the new inverter board could be defective.

If troubleshooting does not resolve the issue, it is recommended to contact a certified appliance technician for further diagnosis and repair.

## 9. SPECIFICATIONS

Part Name	Refrigerator Replacement Inverter Board
Brand	Generic
Model Number	KBFC42FTS00
Manufacturer	Generic
Product Dimensions	1 x 1 x 1 inches
Included Components	Inverter Board
ASIN	B0F7DZD7FD
Date First Available	May 3, 2025

## 10. WARRANTY AND SUPPORT

Specific warranty information for this Generic product is not provided in the product details. Please refer to the original purchase documentation or contact the seller directly for details regarding warranty coverage and customer support. For technical assistance or questions regarding compatibility, it is recommended to consult a qualified appliance repair professional.