

Fricpart-112708

Instruction Manual

REPLACEMENT CONDENSER FAN MOTOR KIT

Model: Fricpart-112708 | **Compatible with:** KitchenAid KTRS21KMBT00 Refrigerator | **Brand:** Generic

Introduction

This manual provides detailed instructions for the safe and proper installation, operation, and maintenance of the Fricpart-112708 replacement condenser fan motor kit. This kit is designed for use with KitchenAid KTRS21KMBT00 refrigerator models. Please read this manual thoroughly before beginning any installation or maintenance procedures.

Safety Information

- **WARNING:** Always disconnect power to the refrigerator before attempting any repairs or installations to prevent electric shock.
- Wear appropriate personal protective equipment, such as gloves, during installation.
- Ensure all connections are secure and correct before restoring power.
- If you are unsure about any step, consult a qualified appliance technician.

Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1x Condenser Fan Motor (W10124096)
- 1x Fan Blade
- Mounting Screws (various types as shown)
- Wiring Harness/Connector

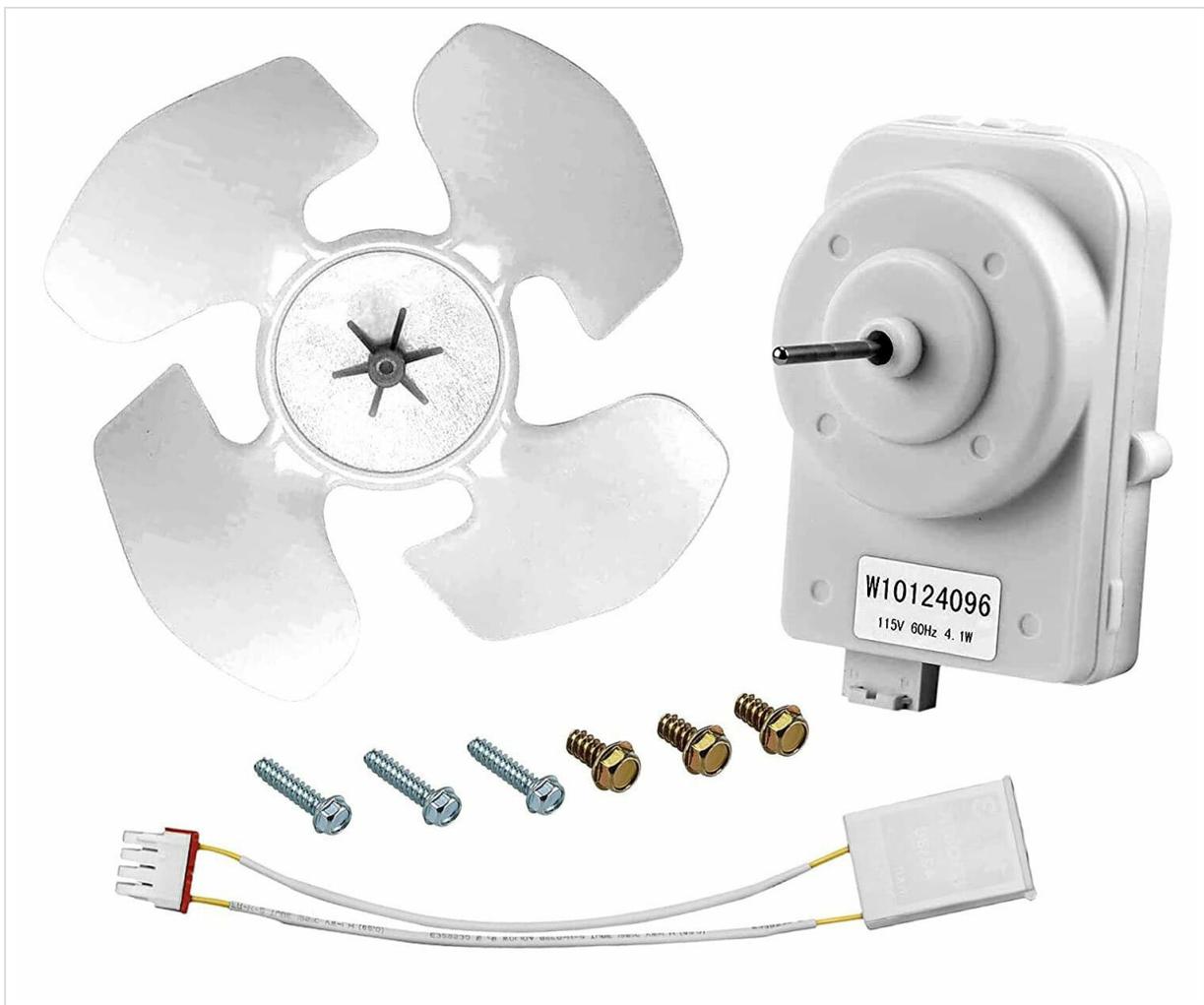


Figure 1: Components of the Fricpart-112708 Condenser Fan Motor Kit. This image displays the fan motor unit with model number W10124096, the white four-blade fan, various mounting screws, and the electrical wiring harness with connectors.

Setup and Installation

Follow these steps carefully to replace the condenser fan motor in your KitchenAid KTRS21KMBT00 refrigerator.

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Condenser Area:**
 - Move the refrigerator away from the wall to access the rear.
 - Locate and remove the rear access panel, typically secured by several screws. Set the screws aside.
3. **Locate the Old Fan Motor:** Identify the existing condenser fan motor and fan blade assembly. It is usually located near the compressor at the bottom rear of the refrigerator.
4. **Disconnect Wiring:** Carefully disconnect the electrical wiring harness from the old fan motor. Note the orientation of the wires if necessary, though most connectors are keyed.
5. **Remove Old Fan Blade:** If the fan blade is separate, remove it from the motor shaft. It may be held by a retaining clip or screw.
6. **Remove Old Motor:** Unscrew and remove the old condenser fan motor from its mounting bracket.
7. **Install New Fan Blade:** Attach the new fan blade to the shaft of the new Fricpart-112708 motor. Ensure it is securely fastened and rotates freely without obstruction.

8. **Install New Motor:** Mount the new condenser fan motor into the refrigerator's bracket using the provided mounting screws. Ensure it is firmly secured.
9. **Connect Wiring:** Connect the new wiring harness to the new fan motor and ensure all electrical connections are tight and correct.
10. **Verify Clearance:** Manually spin the fan blade to ensure it does not hit any surrounding components or wires.
11. **Reassemble:** Replace the rear access panel and secure it with its screws. Push the refrigerator back into its position.
12. **Restore Power:** Plug the refrigerator back into the electrical outlet or turn on the circuit breaker.

Operating and Testing

After installation, the condenser fan motor should operate automatically when the compressor runs. Listen for smooth operation and observe if the fan blade is spinning correctly, drawing air over the condenser coils.

- The fan should run quietly without excessive vibration or grinding noises.
- Ensure the refrigerator is cooling properly after a few hours of operation.

Maintenance

Regular maintenance helps ensure the longevity and efficiency of your refrigerator's cooling system.

- **Cleaning:** Periodically (every 6-12 months), disconnect power and clean any dust or debris from the condenser fan blades and motor housing. Use a soft brush or vacuum cleaner.
- **Inspection:** Check the fan blade for any signs of damage or cracks. Ensure the motor mounting is secure.
- **Airflow:** Ensure the area around the condenser coils and fan is clear of obstructions to allow for proper airflow.

Troubleshooting

If you encounter issues after installing the new condenser fan motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan not spinning	No power; loose wiring; motor malfunction	Check power supply; verify wiring connections; replace motor if defective.
Loud noise from fan	Fan blade hitting obstruction; loose mounting; defective motor bearing	Check for obstructions; tighten mounting screws; replace motor if bearing is faulty.
Refrigerator not cooling efficiently	Fan not moving enough air; dirty condenser coils	Ensure fan is spinning correctly; clean condenser coils thoroughly.

If troubleshooting steps do not resolve the issue, contact a qualified service technician.

Specifications

- **Part Number:** Fricpart-112708 (Replacement)
- **Compatible Refrigerator Model:** KitchenAid KTRS21KMBT00
- **Motor Model Number:** W10124096
- **Voltage:** 115V
- **Frequency:** 60Hz
- **Wattage:** 4.1W
- **Manufacturer:** Fricparts (for the replacement part)

Warranty Information

This replacement part is typically covered by the seller's or manufacturer's limited warranty. Please refer to your purchase documentation or contact the seller directly for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support

For further assistance, technical support, or inquiries regarding this product, please contact the seller or manufacturer through the platform where the purchase was made. Provide your model number (Fricpart-112708) and refrigerator model (KitchenAid KTRS21KMBT00) when seeking support.