

## GSPUSA CKD077705X

# GSPUSA Refrigerator Evaporator Fan Motor

Model: CKD077705X / 242077705

## 1. INTRODUCTION

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This instruction manual provides essential information for the GSPUSA Refrigerator Evaporator Fan Motor, part number CKD077705X, which replaces old part number 242077705. This component is designed to be compatible with various Crosley, Frigidaire, and Kenmore refrigerator models. The evaporator fan motor circulates air over the evaporator coils, facilitating the cooling process within your refrigerator. It is crucial to verify compatibility with your specific appliance model before installation.

## 2. SAFETY INFORMATION

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**WARNING: Before attempting any repair or installation, always disconnect power to the appliance at the circuit breaker or by unplugging the refrigerator. Failure to do so can result in serious injury or electrical shock.**

- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- If you are not comfortable performing appliance repairs, it is recommended to seek assistance from a qualified technician.
- Ensure all connections are secure before restoring power.

## 3. PACKAGE CONTENTS

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- 1 x GSPUSA Refrigerator Evaporator Fan Motor (CKD077705X / 242077705)

Please inspect the package contents upon receipt to ensure all items are present and undamaged.



Image 1: Front view of the GSPUSA Refrigerator Evaporator Fan Motor, showing the motor housing, shaft, and electrical connector.

## 4. COMPATIBILITY VERIFICATION

This evaporator fan motor is a replacement part. It is essential to confirm that this part is compatible with your refrigerator's specific model number. The product is designed to fit both old and new serials for the listed compatible models.

**To ensure correct fitment:**

- 1. Locate Your Refrigerator Model Number:** This is typically found on a label inside the fresh food section, often on the side wall or ceiling. It may also be behind a lower kick plate or on the back of the unit. Consult your refrigerator's user manual if you cannot locate it.
- 2. Compare Part Numbers:** Verify that your old part number matches 242077705 or that your refrigerator model is listed as compatible. The new part number is CKD077705X.
- 3. Visually Compare the Part:** Examine the physical appearance of your existing motor, paying close attention to the electrical connectors, shaft type, and overall size, as shown in the comparison images below.

COMPARE YOUR MODEL BEFORE TO ORDER

Find the model number on a label inside the fresh food section, often on the side wall or ceiling. It may also be behind a lower kick plate or on the back of the unit. Check the user manual if you can't locate it.

LIST OF MODELS

253.6000241	253.6008241	253.6008561	253.6011341
253.6000241	253.6008241	253.6008561	253.6011941
253.6000241	253.6008241	253.6008561	253.6030241
253.6000241	253.6008241	253.6008561	253.6030241
253.6000241	253.6008242	253.6008771	253.6030241
253.6000242	253.6008242	253.6008941	253.6030241
253.6000261	253.6008242	253.6008941	253.6030241
253.6002241	253.6008341	253.6008941	253.6030242
253.6002241	253.6008341	253.6008941	253.6030261
253.6002241	253.6008341	253.6008941	253.6030341
253.6002241	253.6008341	253.6008942	253.6030341
253.6002241	253.6008341	253.6008942	253.6030341
253.6002242	253.6008342	253.6008942	253.6030341
253.6002261	253.6008342	253.6011241	253.6030341
253.6008241	253.6008342	253.6011341	253.6030342

THE ITEM IS NOT UNIVERSAL  
SAVE TIME AND ORDER CORRECT ITEM

Image 2: Visual comparison illustrating the correct evaporator fan motor with its specific electrical connector and shaft, contrasted with an incorrect part showing different terminals, solid shaft, and size. This highlights the importance of matching the exact part.



2. **Access the Evaporator Compartment:** Locate the freezer compartment. You will typically need to remove shelves, ice maker components, and the rear panel covering the evaporator coils.
3. **Locate the Fan Motor:** The evaporator fan motor is usually mounted near the evaporator coils.
4. **Disconnect Wiring:** Carefully disconnect the electrical connector from the old fan motor. Note the orientation of the wiring if necessary.
5. **Remove Old Motor:** Unscrew or unclip the old fan motor from its mounting bracket.
6. **Install New Motor:** Mount the new GSPUSA evaporator fan motor in the same position as the old one. Ensure it is securely fastened.
7. **Connect Wiring:** Connect the electrical connector to the new motor. Ensure a snug and correct fit.
8. **Reassemble:** Replace the evaporator cover panel, ice maker components, and shelves.
9. **Restore Power:** Plug the refrigerator back in or turn on the circuit breaker.
10. **Test Operation:** Listen for the fan motor operation and check if the refrigerator and freezer compartments are cooling properly after a few hours.

## 6. OPERATING PRINCIPLES

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The evaporator fan motor is an integral part of your refrigerator's cooling system. Its primary function is to draw air over the cold evaporator coils and circulate that chilled air throughout the freezer and fresh food compartments. This continuous air circulation is essential for maintaining consistent temperatures and preventing frost buildup.

The motor operates automatically, controlled by the refrigerator's thermostat and defrost timer. It will cycle on and off as needed to maintain the set temperature.

## 7. MAINTENANCE

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The GSPUSA evaporator fan motor is designed for durability and typically requires no routine maintenance. However, to ensure optimal performance of your refrigerator, consider the following general maintenance tips:

- **Keep Vents Clear:** Ensure that air vents inside the refrigerator and freezer are not blocked by food items, allowing for proper air circulation.
- **Clean Condenser Coils:** Periodically clean the condenser coils (usually located at the back or underneath the refrigerator) to improve efficiency and reduce strain on cooling components.
- **Monitor for Unusual Noises:** Pay attention to any new or unusual noises coming from the refrigerator, which could indicate a developing issue with the fan motor or other components.

## 8. TROUBLESHOOTING

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If your refrigerator is experiencing cooling issues or unusual noises, the evaporator fan motor might be a contributing factor. Here are some common symptoms and potential solutions:

- **Refrigerator Not Cooling Properly (Freezer is Cold):**  
If the freezer is cold but the fresh food compartment is warm, the evaporator fan motor might not be circulating air effectively. Check if the fan blades are obstructed by ice or debris.
- **Unusual Noises (Grinding, Squealing, Buzzing):**  
These noises often indicate a failing fan motor bearing or an obstruction hitting the fan blades. Disconnect power and visually inspect the fan area for obstructions. If the motor is noisy even without obstructions, replacement may be necessary.

- **Fan Not Running:**

After ensuring power is connected and the refrigerator is calling for cooling, if the fan motor does not run, it could be due to a faulty motor, a wiring issue, or a problem with the control board.

**Always disconnect power before inspecting any internal components.**

## 9. SPECIFICATIONS

Feature	Detail
Manufacturer	242077705-JN
Part Number (New)	CKD077705X
Part Number (Old)	242077705
Item Weight	1 pound
Product Dimensions	6 x 4 x 4 inches
Included Components	Evaporator Fan Motor

## 10. QUALITY ASSURANCE AND WARRANTY

This GSPUSA replacement part is manufactured to meet original equipment specifications, ensuring a reliable fit and function. Each item is tested before shipment to ensure proper operation.



Image 5: Details on quality assurance, including testing in real appliances, a warranty seal, and certified weight/size for shipping. This indicates the product undergoes rigorous checks before reaching the customer. For specific warranty details and support, please refer to the seller's policy or contact GSPUSA directly. As

a product from a small business brand, GSPUSA is committed to providing quality replacement parts.

## 11. OFFICIAL PRODUCT VIDEOS

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No official product videos from the seller were provided for this item.

GSPUSA - Quality Replacement Parts

For further assistance, please contact your retailer or GSPUSA customer support.