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> [Samsung DA97-08630A Refrigerator Motor Assembly Instruction Manual](#)

## Samsung DA97-08630A

# Samsung DA97-08630A Refrigerator Motor Assembly Instruction Manual

Genuine Original Equipment Manufacturer (OEM) Part

## 1. INTRODUCTION

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The Samsung DA97-08630A Refrigerator Motor Assembly, also known as a Step Valve Module, is a critical component designed for use in household refrigerators. Its primary function is to control and switch the flow direction of refrigerant, particularly in dual-temperature or double-control refrigeration systems with variable temperature areas. This part is a genuine Original Equipment Manufacturer (OEM) component, ensuring compatibility and performance with Samsung appliances. It serves as a direct replacement for the prior Samsung Part #: DA62-04678C.



Image 1.1: The Samsung DA97-08630A Refrigerator Motor Assembly. This image displays the physical appearance of the motor assembly, which is a genuine OEM replacement part for Samsung refrigerators.

## 2. SAFETY INFORMATION

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**Warning:** Before attempting any repair or replacement of refrigerator components, always disconnect the appliance from its power source to prevent electric shock or injury. Refrigerator repairs involve electrical components and refrigerants, which can be hazardous if not handled correctly. It is strongly recommended to consult a qualified appliance service professional for installation and repair of this part. Failure to follow these safety guidelines may result in property damage, personal injury, or death.

- Always unplug the refrigerator before beginning any service.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- Ensure the work area is well-lit and clear of obstructions.
- Do not attempt to repair or replace this part if you are not confident in your abilities or lack the necessary tools and knowledge.

### 3. PACKAGE CONTENTS

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Your package should contain the following item:

- One (1) Samsung DA97-08630A Refrigerator Motor Assembly

### 4. COMPATIBILITY

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The Samsung DA97-08630A Refrigerator Motor Assembly is compatible with various supported Samsung brand refrigerator models. This part is a functional equivalent and a perfect fit replacement/substitution for the prior Samsung Part #: DA62-04678C. It is essential to verify the correct part number for your specific appliance model before purchasing and installation. Refer to your appliance service manual, contact your appliance manufacturer, or consult a service professional to confirm compatibility.

### 5. INSTALLATION

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Installation of the DA97-08630A Refrigerator Motor Assembly requires technical knowledge and specialized tools. It is highly recommended that this part be installed by a qualified appliance service professional. The following is a general overview and should not replace professional guidance or your appliance's specific service manual:

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet.
2. **Access the Component:** Depending on your refrigerator model, you may need to remove panels or other components to access the existing motor assembly.
3. **Identify and Disconnect:** Locate the old motor assembly (DA62-04678C or equivalent). Carefully disconnect any wiring harnesses and refrigerant lines connected to it. Proper handling of refrigerant lines is crucial and often requires specialized tools to prevent leaks and environmental damage.
4. **Remove Old Part:** Unmount and remove the old motor assembly.
5. **Install New Part:** Mount the new Samsung DA97-08630A motor assembly in the same location.
6. **Reconnect:** Reconnect all wiring harnesses and refrigerant lines. Ensure all connections are secure and properly sealed.
7. **Test:** Once installed, restore power to the refrigerator and monitor its operation to ensure the new motor assembly functions correctly and there are no refrigerant leaks.

**Note:** The appearance of the new OEM Samsung Part # DA97-08630A may differ slightly from the prior part # DA62-04678C, but it is a brand new, unused, functional equivalent.

### 6. OPERATION

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The DA97-08630A Refrigerator Motor Assembly functions as a step valve module within the refrigerator's sealed system. It is responsible for precisely controlling the direction and flow of refrigerant to different sections of the refrigerator, particularly in models designed with multiple temperature zones or variable temperature compartments. By regulating refrigerant flow, it enables the appliance to maintain distinct temperature settings and optimize cooling performance across various compartments.

### 7. MAINTENANCE

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As a sealed system component, the DA97-08630A Refrigerator Motor Assembly itself does not require routine user maintenance. However, general maintenance of your refrigerator can help ensure the longevity and efficient operation of all its components, including the motor assembly:

- Keep the condenser coils clean to ensure proper heat exchange and reduce strain on the refrigeration system.
- Ensure proper ventilation around the refrigerator.
- Periodically check door seals for proper closure to prevent warm air from entering the refrigerator.

If you suspect an issue with the motor assembly, it is best to contact a qualified service technician for diagnosis and repair.

## 8. TROUBLESHOOTING

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If your refrigerator is experiencing issues that might be related to the motor assembly, consider the following general symptoms. Due to the complexity of the refrigeration system, professional diagnosis is always recommended.

- **Inconsistent Temperatures:** If different compartments of your refrigerator are not maintaining their set temperatures, or if one section is too warm while another is too cold, it could indicate a problem with the step valve module's ability to direct refrigerant flow.
- **Unusual Noises:** While less common for this specific part, any new or unusual mechanical noises coming from the sealed system area could suggest an internal component issue.
- **Refrigerator Not Cooling:** In severe cases, a malfunctioning motor assembly could contribute to the refrigerator not cooling effectively at all.

If you observe any of these symptoms, contact a certified appliance technician for a thorough inspection and repair. Attempting to diagnose or repair sealed system components without proper training and tools can be dangerous and may void your appliance's warranty.

## 9. SPECIFICATIONS

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<b>Brand Name</b>	Samsung
<b>Model Info</b>	DA97-08630A
<b>Item Weight</b>	3.87 ounces
<b>Product Dimensions</b>	7.09 x 6.89 x 2.76 inches
<b>Item Model Number</b>	DA97-08630A
<b>Part Number</b>	DA97-08630A
<b>Voltage</b>	12 Volts (DC)
<b>Included Components</b>	Single Samsung DA97-08630A Refrigerator Motor Assembly
<b>Batteries Required?</b>	No
<b>Manufacturer</b>	Samsung

## 10. WARRANTY AND SUPPORT

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As a genuine Original Equipment Manufacturer (OEM) part, the Samsung DA97-08630A Refrigerator Motor Assembly is manufactured to Samsung's quality standards. For specific warranty information regarding this replacement part, please refer to your original appliance's warranty documentation or contact Samsung customer support directly. You may also contact the seller from whom you purchased the part for details on their return or replacement policy.

For further assistance or to locate a certified service professional, please visit the official [Samsung Store](#) or Samsung's official support website.



