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Silver King 21251-2

Silver King 21251-2 Fan Motor
INSTRUCTION MANUAL

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Silver King 21251-2 Fan Motor. Please read this manual thoroughly before attempting to install or operate the motor. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Silver King 21251-2 is an evaporator fan motor designed for various Silver King refrigeration models. It operates at 115V and features a 7/32" x 1" shaft, a .55A current draw, and a speed of 3000 RPM. This motor is designed for clockwise rotation (CW) and includes specific mounting features such as 5/8" stack and 1-7/8" stud centers with tabs out the bottom.



An image showing the Silver King 21251-2 Fan Motor, an evaporator fan motor with a 7/32" x 1" shaft and 115V rating.

3. SPECIFICATIONS

Brand	Silver King
Model Number	21251-2
Voltage	115 Volts
Amperage	0.55 Amps
Speed	3000 RPM
Shaft Dimensions	7/32" x 1"
Rotation	Clockwise (CW)

Material	Copper
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4. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions could result in electric shock, fire, or serious injury.

- Always disconnect power to the appliance before installing, servicing, or removing the fan motor.
- Installation should only be performed by a qualified technician or licensed electrician.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not operate the motor if it is damaged or if any wires are frayed or exposed.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation and maintenance.
- Verify that the replacement motor specifications match the original motor requirements of the appliance.

5. INSTALLATION

This fan motor is commonly used on various Silver King models. Refer to your appliance's specific service manual for detailed instructions and diagrams. The following are general steps for replacement:

1. **Disconnect Power:** Ensure the appliance is completely disconnected from its power source.
2. **Access Motor:** Locate and access the existing evaporator fan motor within the refrigeration unit. This may involve removing panels or covers.
3. **Disconnect Wiring:** Carefully disconnect the electrical wiring from the old motor. Note the wiring configuration for correct re-connection.
4. **Remove Old Motor:** Unmount the old motor by removing any screws, nuts, or clips securing it.
5. **Install New Motor:** Position the new Silver King 21251-2 Fan Motor, ensuring the shaft and mounting points align correctly. Secure the motor using the original hardware or appropriate replacements. Verify the 5/8" stack and 1-7/8" stud centers are correctly utilized.
6. **Connect Wiring:** Reconnect the electrical wiring to the new motor, ensuring all connections are tight and correct. Pay attention to the clockwise rotation (CW) requirement.
7. **Reassemble:** Reattach any panels or covers removed during the process.
8. **Test:** Restore power to the appliance and test the fan motor's operation. Observe for proper rotation, airflow, and unusual noises.

6. OPERATION

Once properly installed, the Silver King 21251-2 Fan Motor will operate continuously when the refrigeration unit is powered, circulating air over the evaporator coil. The motor is designed for reliable, long-term performance within its specified operating parameters.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your fan motor:

- **Cleaning:** Periodically inspect the fan blades and motor housing for dust, dirt, or debris accumulation. Disconnect power and carefully clean with a soft brush or cloth.

- **Inspection:** Annually inspect the motor for any signs of wear, such as unusual noises, excessive vibration, or visible damage to wiring or housing.
- **Lubrication:** This motor is typically sealed and does not require user lubrication. Do not attempt to lubricate unless specifically instructed by the manufacturer.

8. TROUBLESHOOTING

If you encounter issues with your fan motor, consider the following common problems and solutions:

- **Motor Not Running:**
 - Check if the appliance has power.
 - Verify all electrical connections to the motor are secure.
 - Inspect for any obstructions preventing the fan blades from turning.
 - Consult a qualified technician if the issue persists.
- **Unusual Noise or Vibration:**
 - Disconnect power and check for loose mounting hardware.
 - Inspect fan blades for damage or imbalance.
 - Ensure no foreign objects are interfering with the fan's rotation.
 - If the noise originates from within the motor, it may indicate internal wear and require replacement.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Silver King 21251-2 Fan Motor, please contact your authorized Silver King dealer or the manufacturer directly. Keep your purchase receipt and model information readily available when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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