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SPPRANDOM 097293-01

SPPRANDOM 097293-01 Replacement Fan for 100-150K BTU Kerosene Heaters

Model: 097293-01 | **Brand:** SPPRANDOM

Introduction

This instruction manual provides essential information for the safe and correct installation, operation, and maintenance of the SPPRANDOM 097293-01 replacement fan. This fan is designed for use with 100-150K BTU kerosene heaters from various manufacturers, including Reddy, Knipco, Remington, and Desa. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure proper function and safety.

Product Overview

The SPPRANDOM 097293-01 is a durable replacement fan blade engineered to restore optimal airflow in compatible kerosene heaters. Proper airflow is crucial for efficient combustion and safe operation of your heater. This fan features a robust design for longevity and performance.



Figure 1: Front view of the SPPRANDOM 097293-01 replacement fan blade. This image shows the five-blade design and the central hub.



Figure 2: Rear view of the SPPRANDOM 097293-01 replacement fan blade. This view highlights the mounting hub and the reverse side of the blades.



Figure 3: Close-up view of the fan blade showing the stamped part number "097293-01/1.54". This number confirms the specific model of the replacement fan.

Safety Information

Always prioritize safety when working with heating appliances. Failure to follow these safety guidelines can result in property damage, personal injury, or death.

- **Disconnect Power:** Before beginning any installation or maintenance, ensure the kerosene heater is completely unplugged from its power source and has had sufficient time to cool down.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection, to prevent injury.
- **Consult Heater Manual:** Refer to your specific kerosene heater's original instruction manual for detailed disassembly and reassembly procedures. This manual focuses solely on the fan replacement.
- **Proper Tools:** Use only the correct tools for the job to avoid damaging components.
- **Ventilation:** Ensure adequate ventilation if working in an enclosed space, especially if residual fuel fumes are present.

Installation

This section outlines the general steps for replacing the fan blade. Specific disassembly and reassembly steps for your heater model may vary. Always consult your heater's original manual.

1. **Preparation:**
    - Ensure the heater is turned off, unplugged, and completely cool.

- Gather necessary tools, which may include screwdrivers, wrenches, and pliers.

2. **Access the Fan Assembly:**
    - Carefully remove the outer casing or protective grilles of your kerosene heater to gain access to the fan motor and blade assembly.
    - Document the location of all screws and components for easier reassembly.
3. **Remove the Old Fan Blade:**
    - Locate the set screw or fastening mechanism that secures the fan blade to the motor shaft.
    - Loosen or remove the set screw.
    - Carefully slide the old fan blade off the motor shaft. Note its orientation for correct installation of the new blade.
4. **Install the New Fan Blade:**
    - Align the new SPPRANDOM 097293-01 fan blade with the motor shaft, ensuring it is oriented correctly (typically with the concave side of the blades facing the direction of desired airflow).
    - Slide the new fan blade onto the motor shaft until it is properly seated.
    - Secure the fan blade by tightening the set screw onto the flat part of the motor shaft, if applicable. Ensure it is tight enough to prevent slippage but do not overtighten.
5. **Reassemble and Test:**
    - Reattach all removed casings and grilles.
    - Ensure all connections are secure and no tools or loose parts remain inside the heater.
    - Plug the heater back into the power source and perform a test run to confirm the fan operates smoothly and quietly, providing adequate airflow.

Operation

The SPPRANDOM 097293-01 fan operates as an integral component of your kerosene heater's air circulation system. Once installed, its function is automatic when the heater is powered on. Ensure the fan spins freely without obstruction and produces a consistent airflow. Any unusual noises or vibrations should be investigated immediately.

Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your fan and heater.

- **Cleaning:** Periodically inspect the fan blades for dust, debris, or lint buildup. With the heater unplugged and cool, gently clean the blades using a soft brush or cloth. Avoid using harsh chemicals.
- **Inspection:** Annually, or before each heating season, inspect the fan blade for any signs of damage, such as cracks, bends, or loose connections. Replace the fan if any damage is observed.
- **Lubrication:** The fan motor typically has sealed bearings that do not require lubrication. Refer to your heater's original manual for specific motor maintenance instructions.

Troubleshooting

If you encounter issues after installing the replacement fan, consider the following:

Problem	Possible Cause	Solution
Fan not spinning	Heater not powered Fan blade obstructed Loose set screw Motor malfunction	Check power connection Inspect for debris; clear obstructions Tighten set screw Consult a qualified technician
Excessive noise or vibration	Improperly seated fan blade Damaged fan blade Debris on blades Motor issues	Re-seat and secure fan blade Replace fan blade Clean blades Consult a qualified technician
Poor airflow	Incorrect fan orientation Obstruction Heater filter clogged (if applicable)	Verify fan blade orientation Clear obstructions Clean or replace heater filter

If troubleshooting steps do not resolve the issue, contact a qualified service technician or the product supplier for assistance.

Specifications

Feature	Detail
Model Number	097293-01
Compatibility	100-150K BTU Kerosene Heaters (Reddy, Knipco, Remington, Desa)
Material	Metal (Silver color)
Item Weight	3.56 ounces
Package Dimensions	8.74 x 8.35 x 1.89 inches
UPC	677545846389



Figure 4: The SPPRANDOM 097293-01 fan blade shown with a measuring tape, providing a visual reference for its dimensions.

Warranty and Support

For information regarding warranty coverage or technical support for your SPPRANDOM 097293-01 replacement fan, please refer to the original purchase documentation or contact your retailer. As this is a replacement part, the warranty may be covered under the terms of the original heater or the part supplier.

For further assistance, you may contact the seller, "Space Heater Parts com", via their Amazon seller page Space Heater Parts com.

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