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Broan-NuTone S97012030

Broan S97012030 Fan Instruction Manual

Model: S97012030

1. Introduction and Overview

This document provides comprehensive instructions for the Broan S97012030 Fan, an Original Equipment Manufacturer (OEM) authorized replacement part. This fan is designed to fit various Broan models, ensuring compatibility and reliable performance for your exhaust system.

The Broan S97012030 is a critical component for maintaining proper ventilation in your range hood, facilitating the removal of smoke, steam, and cooking odors from your kitchen environment.

2. Safety Information

Please read and understand all safety instructions before installing, operating, or performing maintenance on the Broan S97012030 Fan. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **Disconnect Power:** Always disconnect power to the range hood or ventilation system at the circuit breaker before performing any installation, maintenance, or repair work.
- **Qualified Personnel:** Installation and servicing should be performed by qualified personnel in accordance with all applicable codes and standards.
- **Proper Grounding:** Ensure the fan is properly grounded to prevent electrical shock.
- **Inspect for Damage:** Before installation, inspect the fan for any shipping damage. Do not install a damaged unit.
- **Use Original Parts:** Use only genuine Broan-NuTone replacement parts to ensure proper fit and function.

3. Package Contents

Verify that all components are present and undamaged upon opening the package:

- 1 x Broan S97012030 Fan Assembly

4. Setup and Installation

The Broan S97012030 Fan is designed for direct replacement in compatible Broan range hood models. Follow these general steps for installation:

1. **Power Disconnection:** Ensure the power supply to the range hood is completely disconnected at the main circuit breaker.
2. **Access Old Fan:** Carefully remove any covers, filters, or light assemblies necessary to access the existing fan unit within the range hood.
3. **Remove Old Fan:** Disconnect the electrical wiring from the old fan. Note the wiring configuration (e.g., ground, neutral, hot). Unscrew or unclip the old fan assembly from its mounting bracket.
4. **Install New Fan:** Position the new Broan S97012030 Fan assembly into the mounting location. Secure it with the appropriate screws or clips.
5. **Connect Wiring:** Reconnect the electrical wiring to the new fan, ensuring connections are secure and match the original configuration. Refer to the wiring diagram of your specific range hood model if available.
6. **Reassemble:** Replace any covers, filters, or light assemblies that were removed.
7. **Restore Power:** Restore power to the range hood at the circuit breaker.
8. **Test Operation:** Test the fan to ensure it operates correctly.



Figure 1: The Broan S97012030 fan assembly, featuring a white fan blade, motor, and electrical plug, mounted on a metal frame. This unit is designed for exhaust applications.

5. Operating Instructions

The Broan S97012030 Fan operates as an integral part of your range hood system. Once properly installed and connected, its operation is controlled directly by the existing switches or controls on your range hood.

- **Power On/Off:** Use the designated fan switch on your range hood to turn the fan on or off.
- **Speed Control:** If your range hood has multiple fan speed settings, select the desired speed using the appropriate controls.

Ensure that the fan is operating smoothly and quietly after installation. Any unusual noises or vibrations should be investigated immediately.

6. Maintenance

Regular maintenance of your Broan S97012030 Fan ensures optimal performance and extends its lifespan. Always disconnect power before performing any maintenance.

- **Cleaning Fan Blades:** Periodically remove the fan assembly (if easily accessible) or carefully clean the fan blades and motor housing to remove grease and dust buildup. Use a mild detergent and a soft cloth. Ensure all parts are dry before reassembly.
- **Inspect Wiring:** Annually inspect electrical connections for any signs of wear, fraying, or loose connections.
- **Check for Obstructions:** Ensure there are no foreign objects obstructing the fan blades or air pathways.

7. Troubleshooting

If you encounter issues with your Broan S97012030 Fan, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Fan does not turn on	No power supply Loose wiring connection Faulty switch	Check circuit breaker. Ensure power is restored. Verify all electrical connections are secure. Test the range hood's fan switch.
Fan makes unusual noise	Obstruction in fan blades Loose mounting screws Worn motor bearings	Disconnect power and inspect fan blades for debris. Tighten all mounting screws. If noise persists, the motor may need replacement.
Fan runs slowly or weakly	Excessive dirt/grease buildup Restricted airflow	Clean fan blades and motor housing. Check range hood filters and ductwork for obstructions.

If troubleshooting steps do not resolve the issue, contact a qualified service technician or Broan-NuTone customer support.

8. Specifications

Specification	Detail
Brand	Broan-NuTone
Model Number	S97012030
Voltage	3 Volts
Wattage	3 watts
Cooling Method	Forced Air
Compatible Devices	Range Hood
Material	Plastic
Product Dimensions	1 x 1 x 1 inches
Item Weight	1 pounds

Specification	Detail
UPC	026715075553

9. Warranty and Support

For specific warranty information regarding your Broan S97012030 Fan, please refer to the documentation provided with your original range hood or visit the official Broan-NuTone website. As an OEM replacement part, its warranty may be covered under the original appliance's warranty or a separate limited warranty for replacement parts.

For further assistance or to purchase additional Broan-NuTone products, you may visit theBroan-NuTone Store on Amazon.

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