Broan-NuTone S97012248

Broan S97012248 Motor Assembly User Manual

Model: S97012248

Product Overview

The Broan S97012248 Motor Assembly is a genuine replacement part designed specifically for Broan 40000 Series Range Hoods. This durable OEM replacement part ensures proper ventilation and functionality of your range hood system.

Key Features:

- Genuine Broan fan motor assembly S97012248.
- Designed for use in 40000 Series Range Hoods.
- Durable construction for long-lasting performance.
- OEM replacement part ensures compatibility and quality.

Safety Information

Always disconnect power to the range hood before attempting any installation, maintenance, or repair. Wear appropriate personal protective equipment, such as gloves and eye protection. If you are unsure about any step, consult a qualified electrician or appliance technician.
WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Setup and Installation

This motor assembly is designed for straightforward replacement in compatible Broan 40000 Series Range Hoods. Installation typically involves a few simple steps.

1. **Power Disconnection:** Before beginning, ensure the power supply to the range hood is completely disconnected at the circuit breaker.
2. **Access the Motor:** Remove any filters, covers, or other components necessary to gain access to the existing motor assembly within the range hood.

3. **Disconnect Wiring:** Carefully disconnect the electrical plug or wiring connected to the old motor. Note the orientation of the wiring if it's not a simple plug-and-play connection.
4. **Remove Old Motor:** Unscrew or unfasten the old motor assembly from its mounting bracket. There are typically two screws holding it in place.
5. **Install New Motor:** Position the new Broan S97012248 Motor Assembly into the mounting location. Secure it with the appropriate screws. Ensure the fan blade is not obstructed and spins freely.
6. **Connect Wiring:** Connect the electrical plug of the new motor assembly. Ensure a secure connection.
7. **Reassemble:** Reinstall any covers, filters, or other components that were removed.
8. **Test Functionality:** Restore power to the range hood at the circuit breaker. Test the fan at all speeds to ensure proper operation and airflow direction.



Figure 1: Front view of the Broan S97012248 Motor Assembly, showing the motor, fan blades, mounting bracket, and electrical connector. This image illustrates the complete assembly ready for installation.

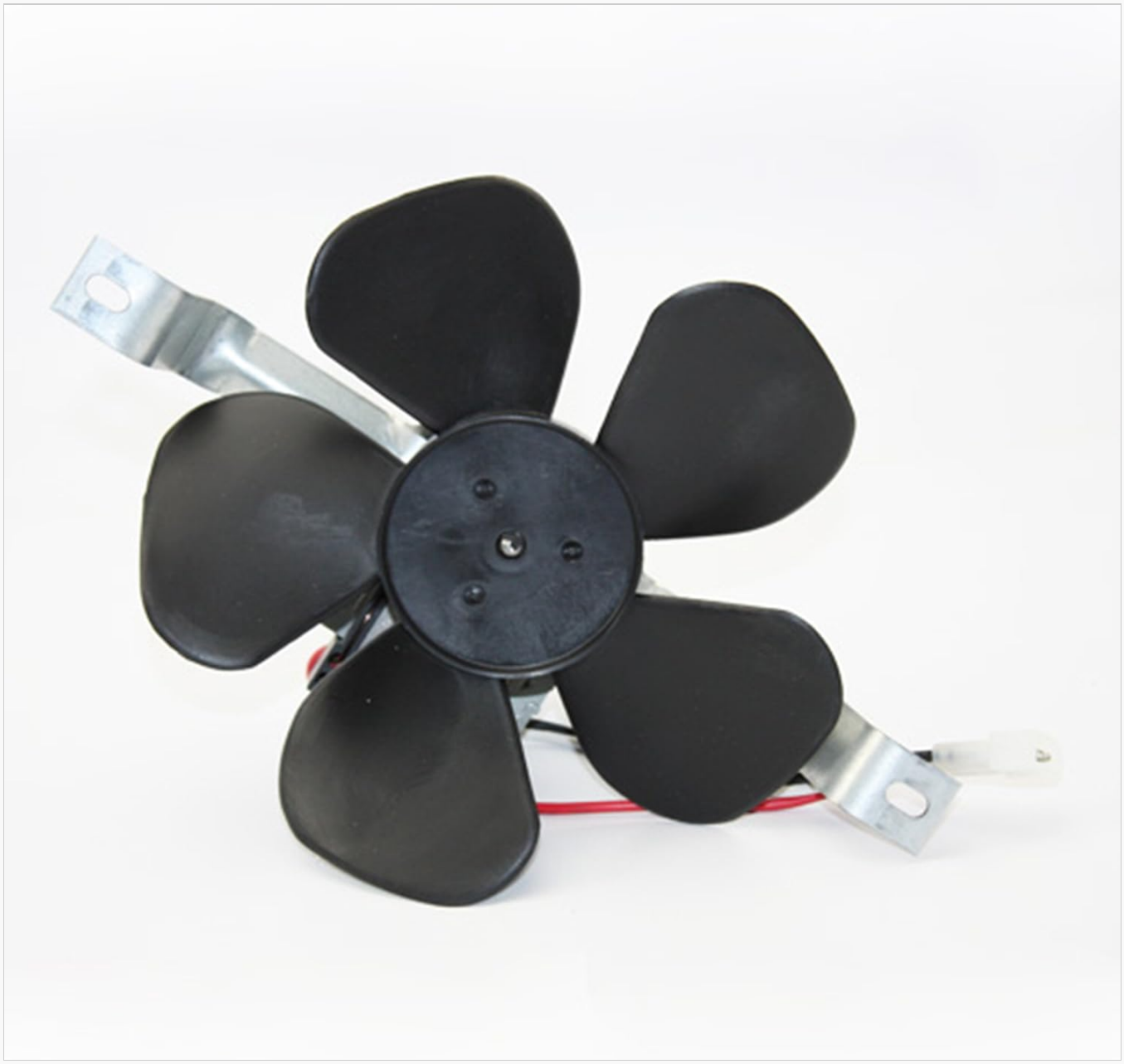


Figure 2: Top-down view of the Broan S97012248 Motor Assembly, highlighting the five fan blades. This perspective is useful for verifying the blade orientation and condition.



Figure 3: Side view of the Broan S97012248 Motor Assembly, showing the motor housing and the metal mounting bracket. This view helps in understanding how the assembly attaches to the range hood.

Operating Instructions

Once installed, the Broan S97012248 Motor Assembly operates as part of your Broan 40000 Series Range Hood. Its function is to draw air, smoke, and odors from your cooking area and exhaust them. Operation is controlled directly by the range hood's existing switches.

- **Fan Speed Control:** Use the fan speed switch on your range hood to select the desired ventilation level (e.g., low, medium, high).
- **Light Control:** The motor assembly does not control lighting; refer to your range hood's specific instructions for light operation.
- **Optimal Use:** For best performance, turn on the range hood fan a few minutes before cooking and leave it on for a few minutes after cooking to ensure all fumes and odors are cleared.

Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your motor assembly and range hood.

- **Filter Cleaning/Replacement:** Regularly clean or replace your range hood's grease filters. Clogged filters can restrict airflow, causing the motor to work harder and potentially leading to premature wear. Refer to your range hood manual for specific filter maintenance instructions.
- **Motor Inspection:** Periodically inspect the motor assembly for any signs of wear, such as unusual noises, vibrations, or visible damage. Ensure the fan blades are clean and free of grease buildup.
- **Cleaning:** If necessary, gently wipe down the exterior of the motor and fan blades with a damp cloth. Ensure the power is disconnected before cleaning. Do not immerse the motor in water or use abrasive cleaners.

Troubleshooting

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the range hood; loose electrical connection; faulty switch.	Check circuit breaker. Ensure electrical plug is securely connected. Test range hood switch.
Fan runs but airflow is weak.	Clogged grease filters; obstructed ductwork; fan blade orientation.	Clean or replace filters. Check ductwork for obstructions. Verify fan blade is installed correctly for proper airflow (pulling air up).
Unusual noise (humming, rattling).	Loose mounting screws; fan blade hitting housing/filter; motor defect.	Ensure motor is securely mounted. Check for obstructions around fan blades. If noise persists, motor may be faulty and require replacement.
Fan turns in wrong direction.	Incorrect fan blade installation (reversed).	Disconnect power. Carefully remove and re-orient the fan blade to ensure it pulls air upwards.

Specifications

Attribute	Detail
Brand	Broan-NuTone
Model Number	S97012248
Voltage	12 Volts
Item Weight	1 Pound (approx. 0.45 kg)
Product Dimensions	6 x 7 x 5 inches (approx. 15.24 x 17.78 x 12.7 cm)
Color	Aluminum (motor housing)
UPC	026715080724

Warranty and Support

For specific warranty information regarding your Broan S97012248 Motor Assembly, please refer to the documentation provided with your original range hood or contact Broan-NuTone customer service directly. As an OEM replacement part, its warranty may be tied to the original appliance or a limited parts warranty.
For technical support or further assistance, please visit the official Broan-NuTone website or contact their customer service department. You can often find contact information and FAQs on their official brand store page: Broan-NuTone

Store.

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