Broan-NuTone S99080667

Broan-NuTone S99080667 Motor for QT2000 Range Hood Series Instruction Manual

1. Introduction and Product Overview

This manual provides essential information for the installation, operation, and maintenance of the Broan-NuTone S99080667 replacement motor. This motor is specifically designed for use with Broan QT2000 Series Range Hoods and serves as a direct replacement for the original motor number S99080532. Please read these instructions carefully before proceeding with installation or any maintenance.

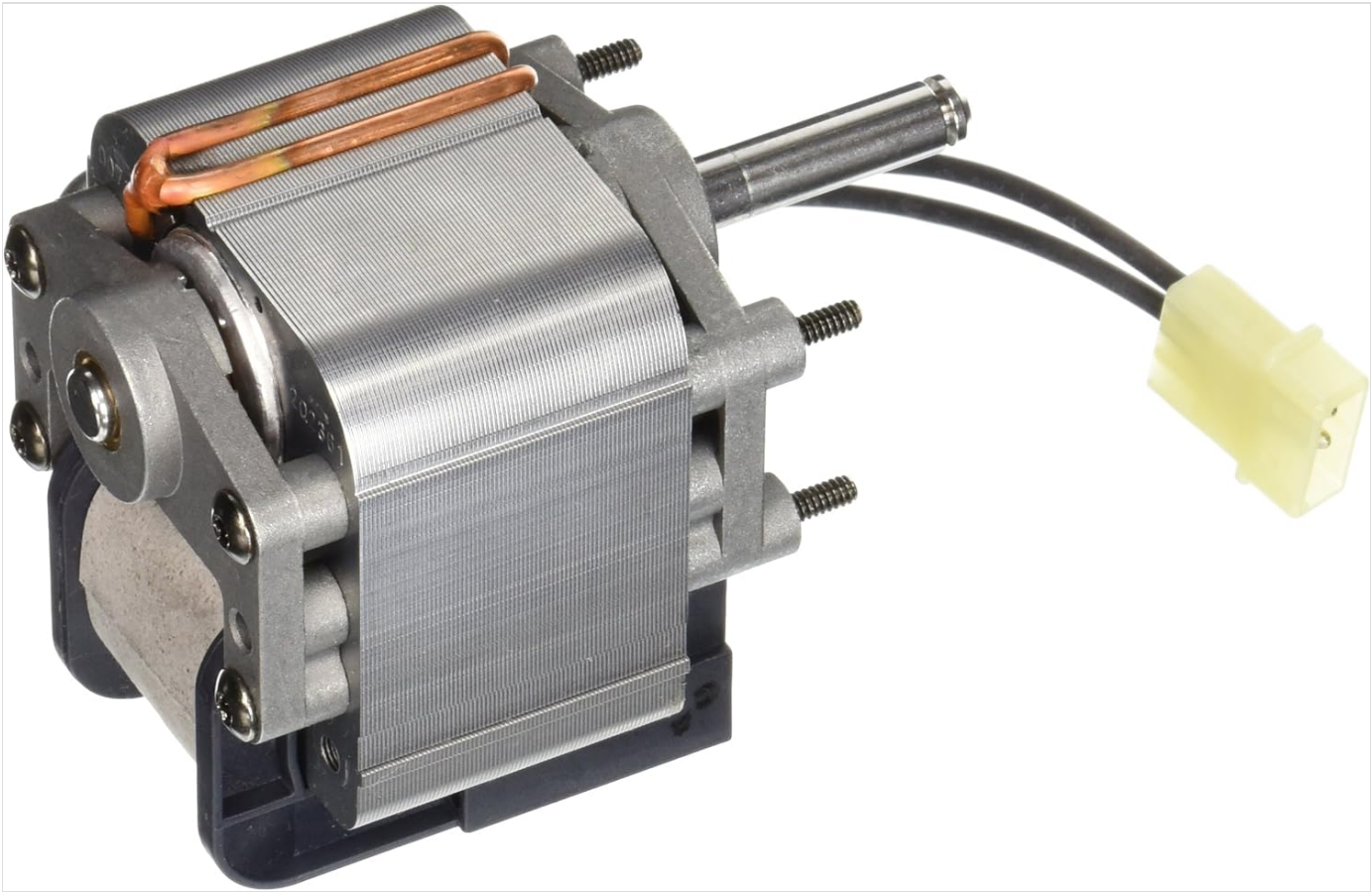


Image 1.1: Front view of the Broan S99080667 motor, showing the shaft, wiring, and main housing.

2. Product Specifications

The Broan-NuTone S99080667 motor is an OEM replacement part with the following technical specifications:

- **Model Number:** S99080667 (Replaces S99080532)
- **Voltage:** 120-volts
- **Amperage:** 1.5-amps
- **Rotation:** Counter-Clockwise (CCW) when viewed from the shaft end
- **Bearing Type:** Sleeve bearing
- **Shaft Dimensions:** 5/16-Inch diameter by 1-3/8-Inch length, with a flat spot for a retaining ring
- **Connector:** 2-prong Molex cord with pin type
- **Product Dimensions:** Approximately 4 x 4 x 6 inches
- **Item Weight:** Approximately 2.5 pounds

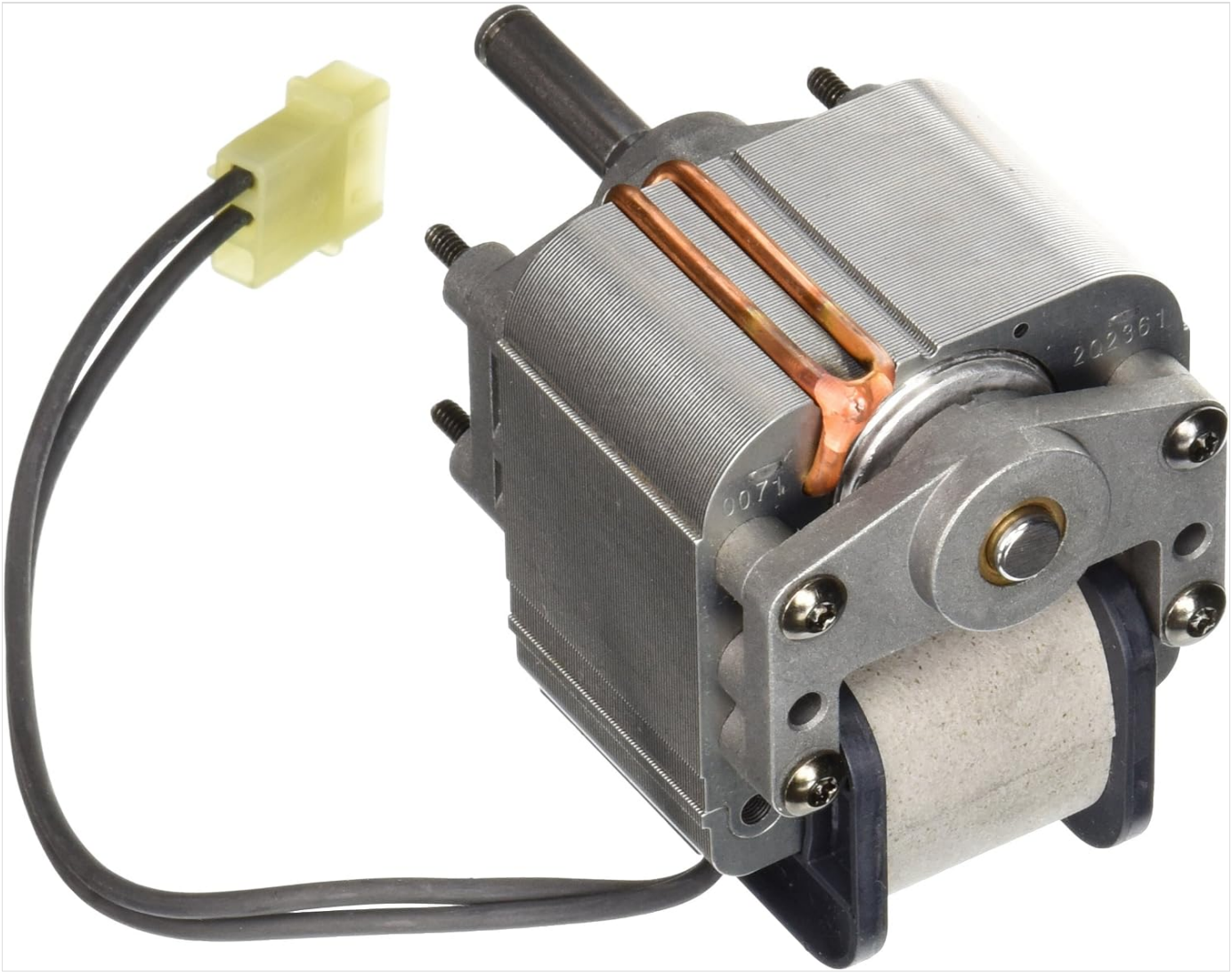


Image 2.1: Side view of the Broan S99080667 motor, highlighting the shaft and electrical connector.

3. Safety Information

WARNING: To reduce the risk of fire, electric shock, or injury to persons, observe the following:

1. Always disconnect power to the range hood at the service panel before installing or servicing the motor. Lock out the service panel to prevent power from being switched on accidentally.
2. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes

and standards, including fire-rated construction codes and standards.

3. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
4. Wear safety glasses and gloves during installation to prevent injury.
5. Ensure all connections are secure and properly insulated after installation.

4. Installation Instructions

This section outlines the general steps for replacing the motor. Refer to your specific Broan QT2000 Series Range Hood manual for detailed disassembly and reassembly instructions, as procedures may vary slightly by model.

1. **Disconnect Power:** Before beginning any work, ensure the power supply to the range hood is completely disconnected at the circuit breaker or fuse box. Verify power is off using a voltage tester.
2. **Access the Motor:** Remove the range hood filters, light covers, and any other components necessary to gain access to the existing motor assembly. This typically involves removing screws or clips.
3. **Disconnect Old Motor:** Carefully disconnect the electrical wiring from the old motor. Note the orientation and connection points if not clearly marked. Detach the motor from its mounting bracket or housing.
4. **Remove Fan Blade:** If the fan blade is attached to the old motor shaft, carefully remove it. This may require loosening a set screw or removing a retaining clip. Transfer the fan blade to the new motor, ensuring it is securely fastened and correctly oriented for CCW rotation.
5. **Install New Motor:** Mount the new Broan S99080667 motor into the range hood housing, ensuring it is securely fastened. Connect the 2-prong Molex cord to the corresponding connector in the range hood's wiring harness.
6. **Reassemble:** Reinstall any removed components, such as filters, light covers, and housing panels.
7. **Restore Power:** Once all components are securely reassembled, restore power to the range hood at the service panel.
8. **Test Operation:** Turn on the range hood fan to verify proper operation and ensure there are no unusual noises or vibrations.



Image 4.1: View of the Broan S99080667 motor, highlighting the 2-prong Molex electrical connector for wiring.

5. Operating Instructions

The Broan S99080667 motor functions as an integral part of your Broan QT2000 Series Range Hood's ventilation system. Once installed, its operation is controlled directly by the range hood's existing switches. Refer to your range hood's user manual for specific instructions on how to operate the fan speeds and lighting.

6. Maintenance

Proper maintenance ensures the longevity and efficient operation of your range hood motor.

- **Regular Cleaning:** Periodically clean the range hood filters according to your range hood's manual. Clogged filters can restrict airflow, causing the motor to work harder and potentially shorten its lifespan.
- **Inspect for Obstructions:** Occasionally inspect the fan blade and motor area for any debris, grease buildup, or foreign objects that could impede the fan's rotation. Always disconnect power before inspection.
- **Motor Lubrication:** This motor features sleeve bearings. While typically designed for long-term operation without user lubrication, if unusual noises develop, consult a qualified technician. Do not attempt to lubricate without proper

knowledge.

7. Troubleshooting

If your range hood fan is not operating correctly after motor replacement, consider the following troubleshooting steps:

- **Motor Not Running:**
  - Check if power is supplied to the range hood at the circuit breaker.
  - Ensure all electrical connections to the motor are secure and correctly wired.
  - Verify the range hood's control switches are functioning correctly.
- **Unusual Noise or Vibration:**
  - Disconnect power and inspect the fan blade for any obstructions or damage.
  - Ensure the fan blade is securely attached to the motor shaft and balanced.
  - Check that the motor is securely mounted and not loose.
- **Weak Airflow:**
  - Clean or replace range hood filters if they are clogged.
  - Inspect ductwork for obstructions or damage.
  - Ensure the fan blade is rotating in the correct direction (CCW when viewed from shaft end).

If problems persist after following these steps, it is recommended to contact a qualified appliance technician or Broan-NuTone customer support.

8. Warranty and Support

For specific warranty information regarding the Broan-NuTone S99080667 motor, please refer to the documentation included with your purchase or visit the official Broan-NuTone website. You can also find additional support and product information by visiting the Broan-NuTone Store on Amazon.

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

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