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Broan-NuTone 8663RP

Broan-NuTone 8663RP Ventilation Fan Motor Assembly

Model #97017705

PRODUCT OVERVIEW

This document provides instructions for the Broan-NuTone 8663RP Motor Assembly, part number 97017705. This motor is designed as a replacement component for various NuTone and Broan ventilation fan models. It operates at 1550 RPM, 1.2 amps, and 115 volts, ensuring efficient air circulation.

Key Features:

- Shaft: 1/4" x 1"
- Rotation: Counter-Clockwise (CCW)
- Motor Diameter: 3.3"
- Sheet Metal Dimensions: 8 15/16" x 8 15/16"
- Wheel Dimensions: 5.75" x 2"
- Mounting: 2 Studs Opposite Shaft End
- Motor Case Length: 1 15/16"
- Electrical Connection: 2-Prong 115 Volt plug

COMPATIBILITY

The Broan-NuTone 8663RP Motor Assembly is compatible with the following ventilation fan models:

- Broan: 750, 751, 752, N750
- NuTone: 8663RF, 8663RFT, 8663RLG, 8663RMAB, 8663RMBR, 8663RMS, 8673RP, 8663RMSA, 8663RP, 8664RP, 671R, 672R, VL3668RLG, VL3668RMAB, VL3668RMBR, VL3668RMSA, VL3668RP

SPECIFICATIONS

Attribute	Value
Brand	Broan-NuTone
Speed	1550 RPM

Attribute	Value
Voltage	115 Volts
Horsepower	115 Watts
Product Dimensions	8.94"W x 8.94"H
Material	Metal
Item Weight	3.74 pounds
Manufacturer	EAGLEGGO
UPC	663001340782
ASIN	B006IO9180
Item Model Number	CECOMINOD088831
Date First Available	September 21, 2012

INSTALLATION

Safety First: Before beginning any installation, ensure the power supply to the ventilation fan unit is completely disconnected at the circuit breaker. Failure to do so may result in electrical shock or injury.

- 1. Access the Fan Housing:** Remove the fan grille and any light covers to expose the existing motor assembly within the fan housing.
- 2. Disconnect Old Motor:** Carefully unplug the old motor assembly from its electrical connection. Note the orientation and connection points.
- 3. Remove Old Motor:** Unfasten any screws or clips securing the old motor assembly to the fan housing. Gently remove the old unit.
- 4. Install New Motor:** Position the new Broan-NuTone 8663RP motor assembly into the fan housing. Ensure the mounting studs align with the existing holes. Secure the new motor with the appropriate fasteners.
- 5. Connect Electrical:** Plug the 2-prong 115 Volt plug of the new motor into the fan's electrical receptacle. Ensure a secure connection.
- 6. Test Operation:** Temporarily restore power to the fan and test its operation. Verify that the motor runs smoothly and the fan blade rotates correctly.
- 7. Reassemble:** Once confirmed operational, disconnect power again. Reattach any light covers and the fan grille. Restore power to the unit.

Note: For detailed, model-specific installation instructions, always refer to the original instruction manual for your specific Broan or NuTone ventilation fan model.

OPERATION

The Broan-NuTone 8663RP Motor Assembly is designed for continuous and reliable operation within compatible ventilation fan units. Once installed, the fan will operate according to the controls of your specific ventilation system (e.g., wall switch, timer).

- **Activation:** Turn on the fan using its designated wall switch or control.

- **Airflow:** The motor will drive the fan blade to exhaust air from the room.
- **Deactivation:** Turn off the fan using its designated wall switch or control.

Ensure proper ventilation by operating the fan during and after activities that generate moisture or odors.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ventilation fan motor assembly.

1. **Power Disconnection:** Always disconnect power at the circuit breaker before performing any maintenance.
2. **Clean Fan Grille:** Periodically remove and clean the fan grille with mild soap and water. Allow it to dry completely before reattaching.
3. **Clean Fan Blade:** If accessible, gently wipe dust and debris from the fan blade using a soft cloth. Avoid bending the blades.
4. **Inspect Motor:** Visually inspect the motor for any signs of wear, loose connections, or unusual buildup.
5. **Lubrication:** This motor assembly is typically designed for maintenance-free operation and does not require lubrication. Refer to your specific fan model's manual for any lubrication recommendations.

Do not use abrasive cleaners or solvents on any part of the fan or motor.

TROUBLESHOOTING

If your ventilation fan is not operating as expected after installing the new motor assembly, consider the following common issues:

- **Fan Not Turning On:**
 - Check if the circuit breaker is tripped.
 - Ensure the motor's electrical plug is securely connected.
 - Verify the wall switch is functioning correctly.
- **Fan Running Loudly or Vibrating:**
 - Ensure the motor assembly is securely mounted and all fasteners are tightened.
 - Check for any obstructions around the fan blade.
 - Inspect the fan blade for damage or imbalance.
- **Poor Airflow:**
 - Clean the fan grille and fan blade to remove dust and debris.
 - Check for blockages in the exhaust ductwork.

If issues persist after basic troubleshooting, consult a qualified electrician or HVAC technician.

PRODUCT VISUALS



Image 1: Front view of the Broan-NuTone 8663RP motor assembly, showing the white fan wheel and metal mounting plate.



Image 2: Rear view of the Broan-NuTone 8663RP motor assembly, displaying the motor housing, electrical connection, and a label with model specifications.



Image 3: Another rear view of the Broan-NuTone 8663RP motor assembly, highlighting the motor's mounting points and electrical cord.

No official seller videos were available for embedding in this manual.

SAFETY INFORMATION

- Always disconnect power before installing, servicing, or cleaning the unit.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection during installation.
- Ensure all electrical connections are secure and comply with local electrical codes.
- Do not operate the fan if it is damaged or if any parts are missing.
- Keep children and pets away from the work area during installation and maintenance.