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› BOJACK Bathroom Vent Exhaust Fan Motor Replacement Kit (Model BJ-YJF-6158) User Manual

BOJACK BJ-YJF-6158

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1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your BOJACK Bathroom Vent Exhaust Fan Motor Replacement Kit, model BJ-YJF-6158. This kit is designed to replace existing bathroom exhaust fan motors in various units, including those compatible with Nutone, Broan, Uppco, Venterola E498-1, Bay Motors, Sears 569, and Dayton models. Please read this manual thoroughly before beginning installation.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Always disconnect power at the circuit breaker or fuse box before installing, servicing, or cleaning the fan motor. Failure to do so can result in serious injury or death.

- Ensure the power supply matches the motor's specifications (120V, 60Hz).
- All wiring must comply with local electrical codes and standards.
- If you are unsure about wiring procedures, consult a qualified electrician.
- Wear appropriate personal protective equipment, such as gloves and safety glasses, during installation.
- Keep hands and loose clothing away from moving parts during operation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x BOJACK Replacement Fan Motor (Model BJ-YJF-6158)
- 1 x Fan Blade (4.5 inch, flat/paddle style)



Image 3.1: BOJACK BJ-YJF-6158 Replacement Fan Motor. This image shows the motor unit with its electrical wiring and two-prong plug.



Image 3.2: 4.5 inch Flat/Paddle Style Fan Blade. This image displays the white plastic fan blade included in the kit.

4. SPECIFICATIONS

Feature	Specification
Model Number	BJ-YJF-6158
Brand	BOJACK
Airflow (CFM)	50 CFM
Voltage	120 Volts
Frequency	60 Hz
Current	0.65 Amps
Speed	3000 RPM
Power	78 Watts
Shaft Length	1.75 inches
Shaft Diameter	3/16 inches (0.19 inches)
Wire Length	6 inches (with 2-prong plug)
Mounting Studs	1-7/8 inches on center
Fan Blade Diameter	4.5 inches
Certifications	UL Certified



Image 4.1: Technical Specification Diagram. This diagram illustrates the dimensions and electrical specifications of the motor and fan blade.



Image 4.2: Fan Blade Dimensions. This image shows the diameter (113 mm / 4.45 inches) and height (25.4 mm / 1 inch) of the fan blade.

5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install your new exhaust fan motor.

1. **Disconnect Power:** Locate the circuit breaker for your bathroom exhaust fan and turn off the power. Verify that the power is off using a voltage tester.
2. **Remove Fan Cover:** Carefully remove the existing fan cover, usually by pulling down or unlatching clips.
3. **Remove Old Motor Assembly:** Disconnect the old motor's power plug from the receptacle. Unfasten any screws or clips holding the old motor and fan blade assembly in place. Gently remove the old unit.
4. **Assemble New Motor and Fan Blade:** The new motor and fan blade are supplied separately. Slide the new fan blade onto the motor shaft. Ensure it is securely seated.

5. **Check Fan Blade Orientation (Important):** Some users have reported that the fan blade may need to be reversed for correct airflow. Before final installation, temporarily connect the motor to power (briefly, with extreme caution and ensuring no contact with moving parts) to observe the direction of rotation and airflow. If the airflow is incorrect (e.g., blowing air down instead of exhausting it up), disconnect power, remove the two screws holding the motor's shaft assembly, flip the shaft assembly 180 degrees, and re-secure the screws. Then re-attach the fan blade.
6. **Install New Motor Assembly:** Position the new motor and fan blade assembly into the fan housing. Secure it using the existing mounting studs (1-7/8" on center) or screws.
7. **Connect Power:** Plug the new motor's 2-prong plug into the receptacle inside the fan housing.
8. **Reattach Fan Cover:** Replace the fan cover, ensuring it is securely fastened.
9. **Restore Power:** Turn the power back on at the circuit breaker. Test the fan for proper operation.



Image 5.1: Assembled Motor and Fan Blade. This image shows the motor with the fan blade correctly attached to the shaft, ready for installation.

6. OPERATING INSTRUCTIONS

Once installed, the BOJACK BJ-YJF-6158 exhaust fan motor operates automatically when power is supplied to the fan unit, typically via a wall switch. Ensure the fan is switched on when moisture or odors are present in the bathroom to facilitate proper ventilation.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your exhaust fan motor.

- **Cleaning:** At least once a year, or more frequently in dusty environments, disconnect power to the fan. Remove the fan cover and gently clean the fan blade and motor housing with a soft cloth or brush to remove dust and debris. Do not use harsh chemicals or immerse the motor in water.
- **Inspection:** Periodically inspect the wiring for any signs of wear or damage. Ensure all connections remain secure.

8. TROUBLESHOOTING

If you encounter issues with your fan motor, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Fan does not turn on	No power supply Loose wiring connection Defective motor	Check circuit breaker/fuse. Ensure wall switch is ON. Verify all electrical connections are secure (with power off). If power is confirmed and connections are secure, the motor may be faulty and require replacement.
Fan is excessively noisy	Fan blade unbalanced or hitting housing Dust/debris on fan blade or motor Motor bearings worn	Ensure fan blade is securely attached and not touching housing. Re-seat if necessary. Clean fan blade and motor thoroughly (with power off). If noise persists after cleaning and balancing, the motor may need replacement.
Fan runs but airflow is weak or incorrect direction	Fan blade installed backwards Obstruction in vent duct	Disconnect power. Refer to Step 5 in Installation Instructions to check and correct fan blade orientation. Inspect vent duct for blockages.

9. WARRANTY AND SUPPORT

Specific warranty details for this product are not provided in this manual. For warranty inquiries or technical support, please contact BOJACK customer service through your original point of purchase or refer to the product packaging for contact information.