

# MAINTAINANCE

1. Disconnect power source before servicing.
2. Periodically clean off accumulated dirt from the propeller, guard, motor, and shutter.

 ***Do not depend on any switch as the sole means of disconnecting power when installing or servicing. If power disconnect is not visible, utilize OSHA Lock out/Tag out procedure.***

 ***Failure to do so may result in fatal electrical shock. Employ proper lock-out/tag-out procedures when performing maintenance.***

# TROUBLESHOOTING

Symptom	Possible Cause(s)	Solution
Excessive noise	Dry motor bearings	Re-lubricate motor bearings as per instructions or replace motor.
	Loose propeller	Tighten set screws on propeller hub.
	Bent or damaged propeller	Replace propeller
	Loose guard assembly or motor fasteners.	Tighten as required to 15-20 lbs. per inch.
Fan inoperative	Blown fuse or open circuit breaker	Replace fuse or reset circuit breaker
	Defective motor	Replace motor
	Switch in OFF position	Turn switch ON

Insufficient air flow	Blocked intake or exhaust opening	Clear intake and exhaust openings of any obstructions.  Clean motor, guard, propeller, and shutter assembly. Increase the opening of the fresh air intake.
	Low voltage	Check electrical wiring.
	Speed control set too low	Increase speed with controller

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