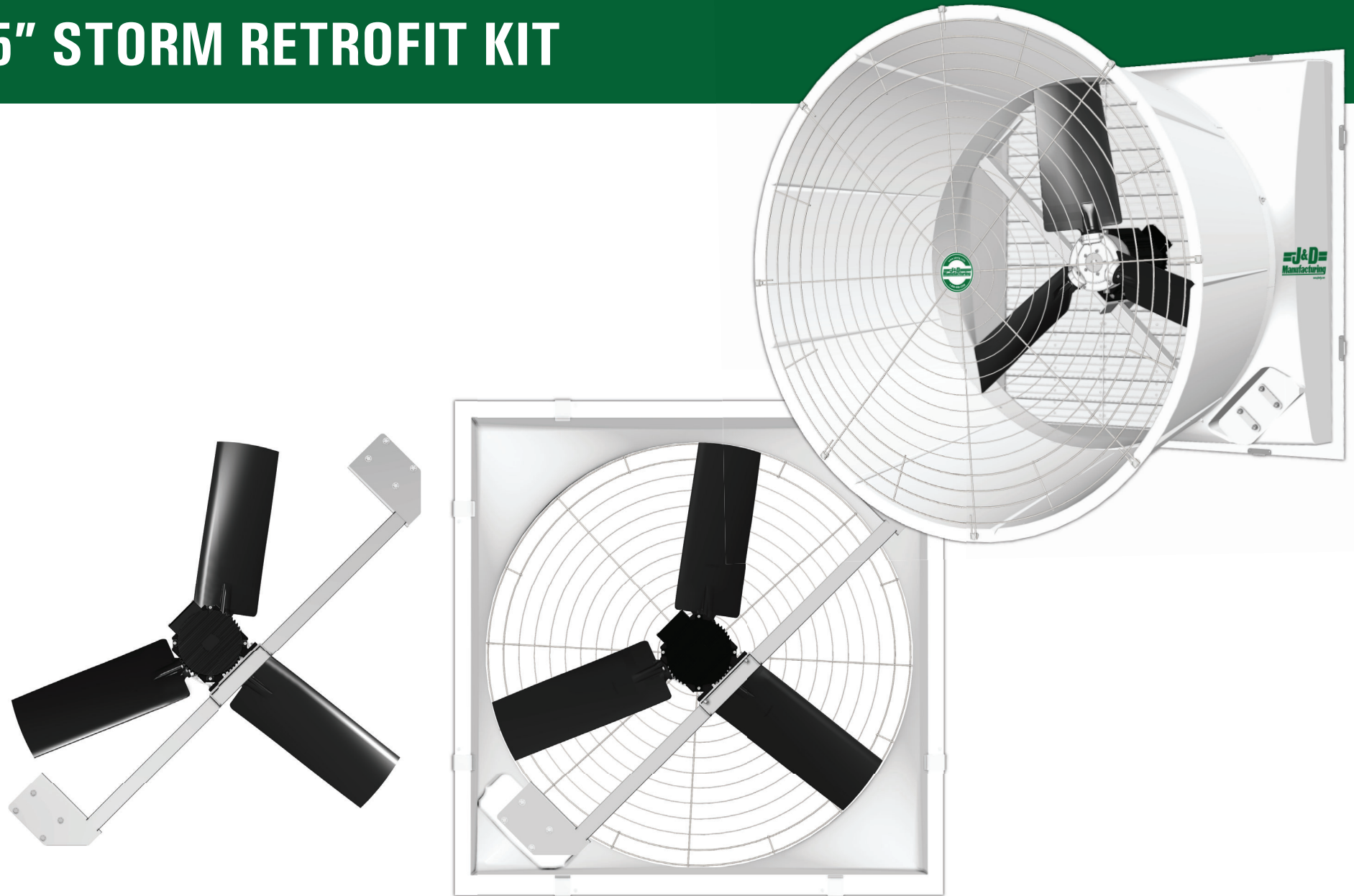


# 55" STORM RETROFIT KIT



Shown with shutter removed  
*(Never permit power to fan with shutter removed)*

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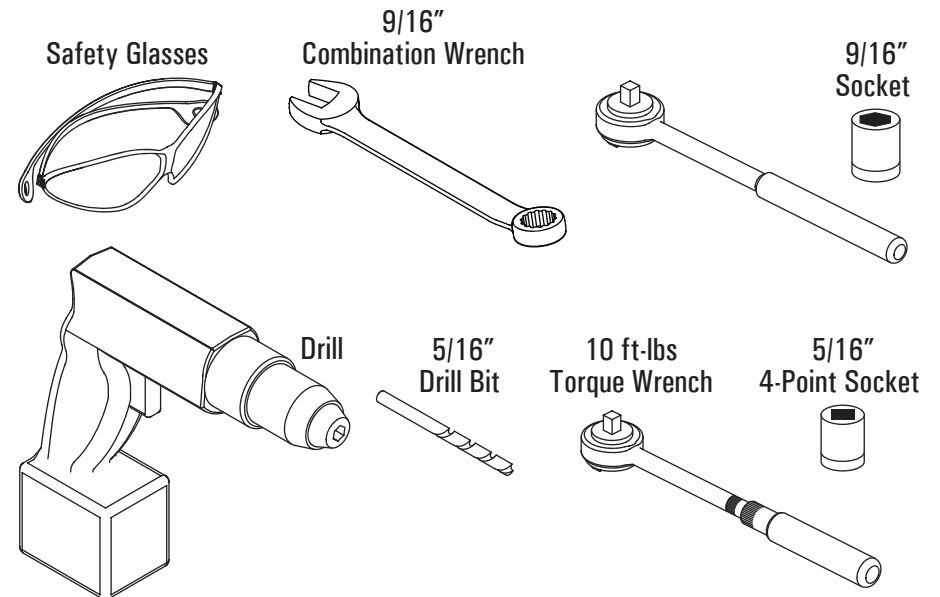
## WARRANTY

J&D Mfg. warrants this product is free from defects in materials and workmanship under normal use for the period of one year from date of purchase. Our warranty does not cover ordinary wear and tear. J&D Mfg can repair or replace at our option, any product or part of the product that is found to be defective. Our warranty applies to materials only and does not include return freight, delivery, loss or damage to personal property, cost of removal or installation, any incidental or consequential damages or labor. This warranty does not apply to products which are misused, abused, altered, improperly installed or subject to negligence. All warranties must be approved through our warranty department. The original purchaser must present a copy of the invoice for the defective product.

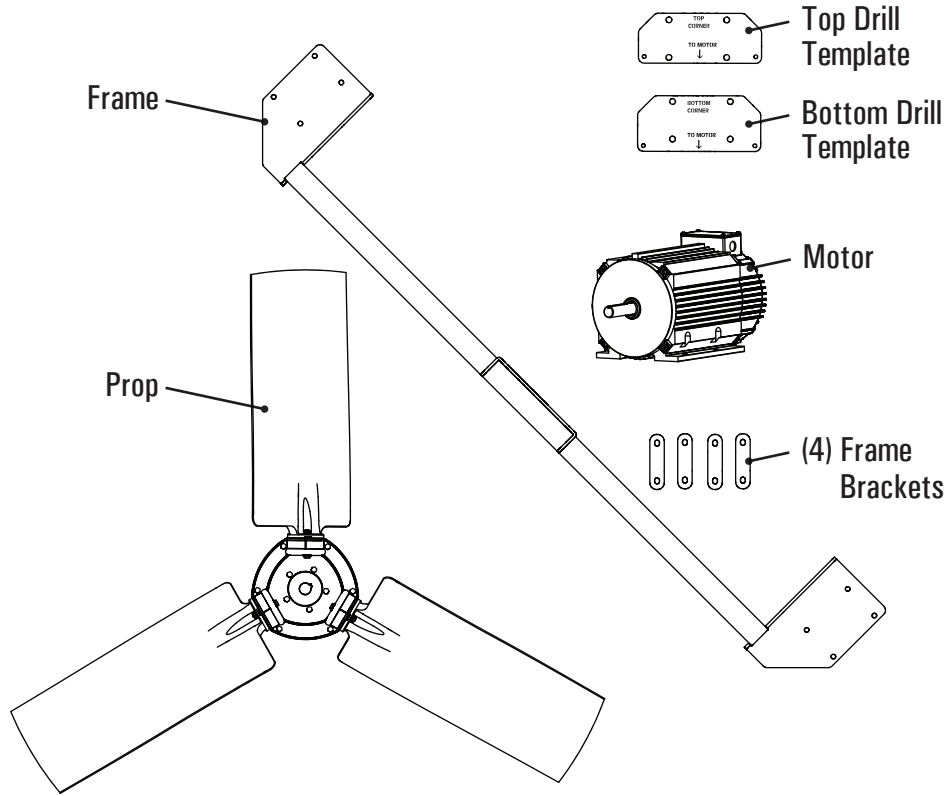
## INSTALLATION

**Please read over ALL instructions carefully before you begin.**  
 If you have any questions please call your local J&D reseller,  
 or contact J&D Manufacturing at 1-800-998-2398.

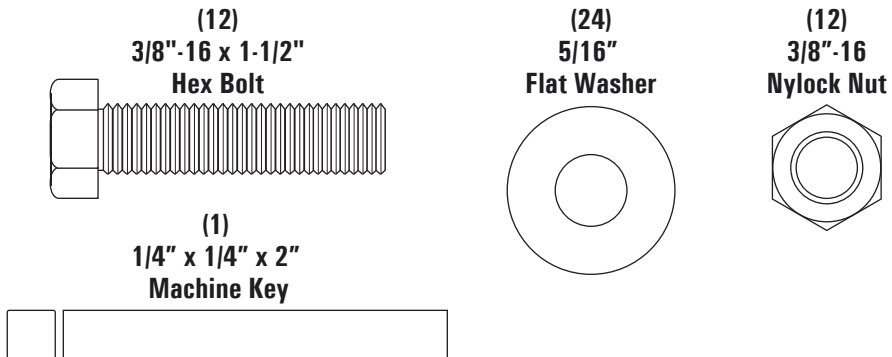
## RECOMMENDED TOOLS FOR INSTALLATION AND ASSEMBLY (NOT PROVIDED)



## PARTS LEGEND



## INCLUDED ASSEMBLY HARDWARE



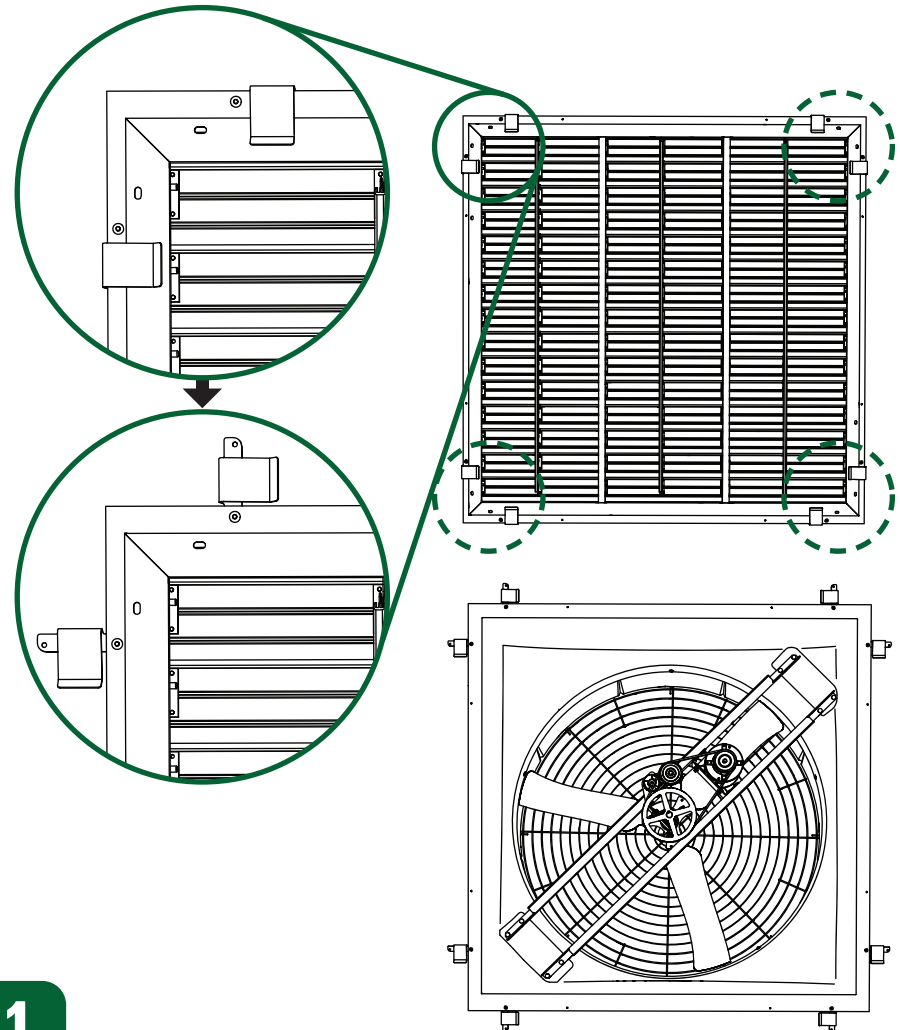
## DISCONNECT POWER BEFORE INSTALLING OR SERVICING.



ALL ELECTRICAL WORK SHOULD BE COMPLETED BY QUALIFIED PERSONNEL AND MEET NATIONAL (NEC), REGIONAL AND LOCAL ELECTRIC CODES.

### Removing Shutter for Access:

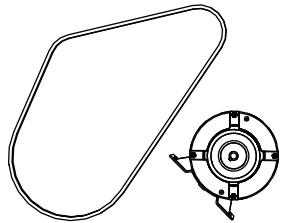
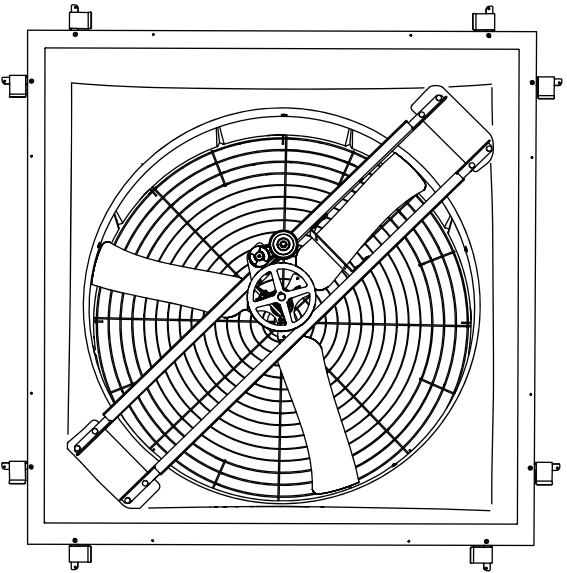
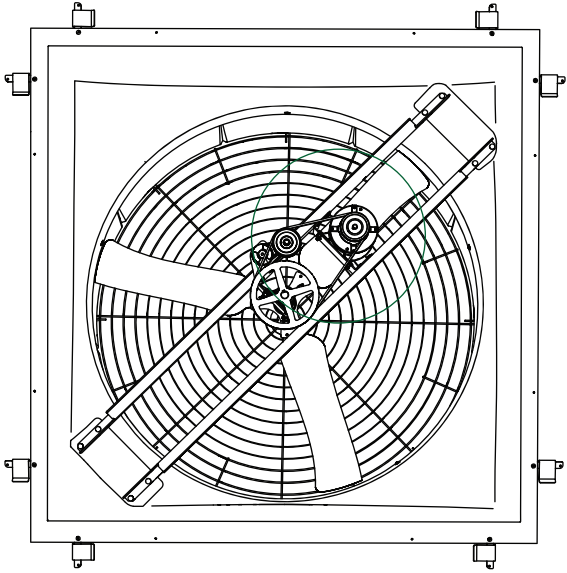
- Once power has been disconnected, rotate each shutter clip to the open position and remove shutter as shown below.



1

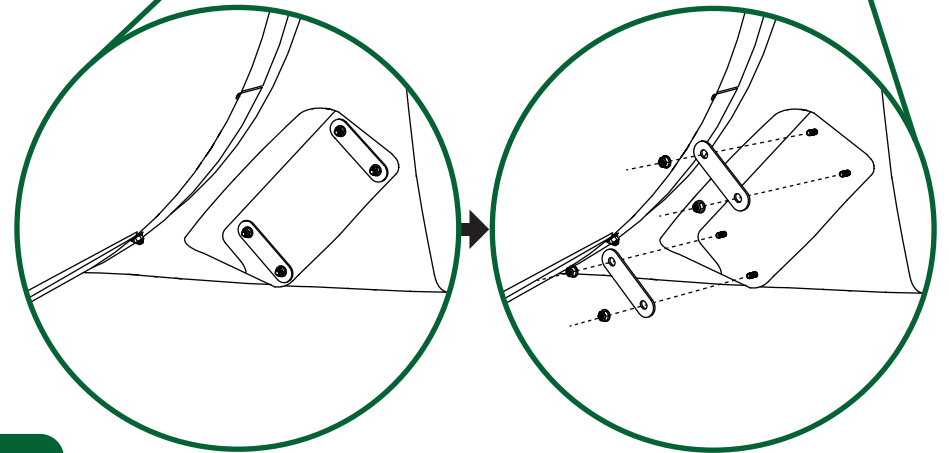
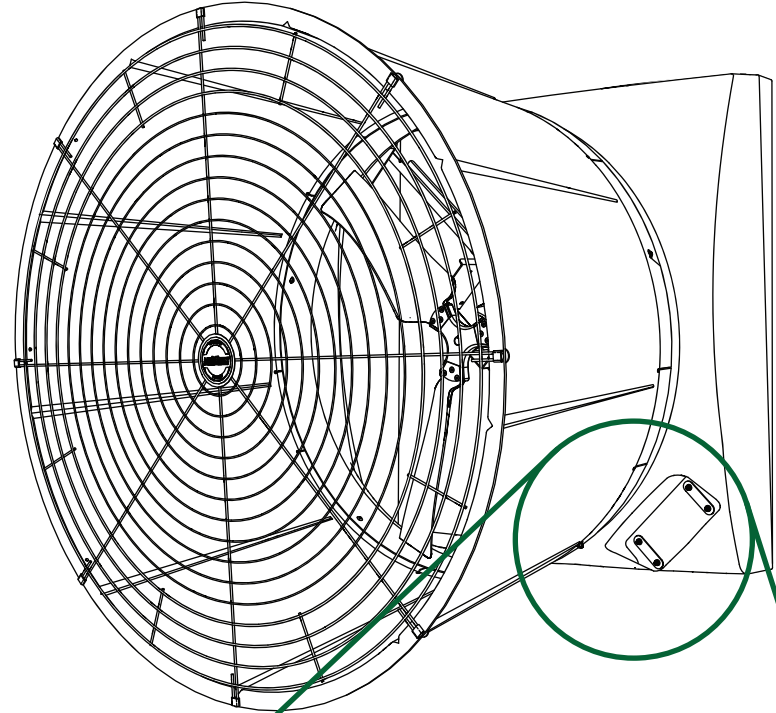
## Removing the Old Belt Drive Components:

- For ease of handling remove belt and motor, as shown below.



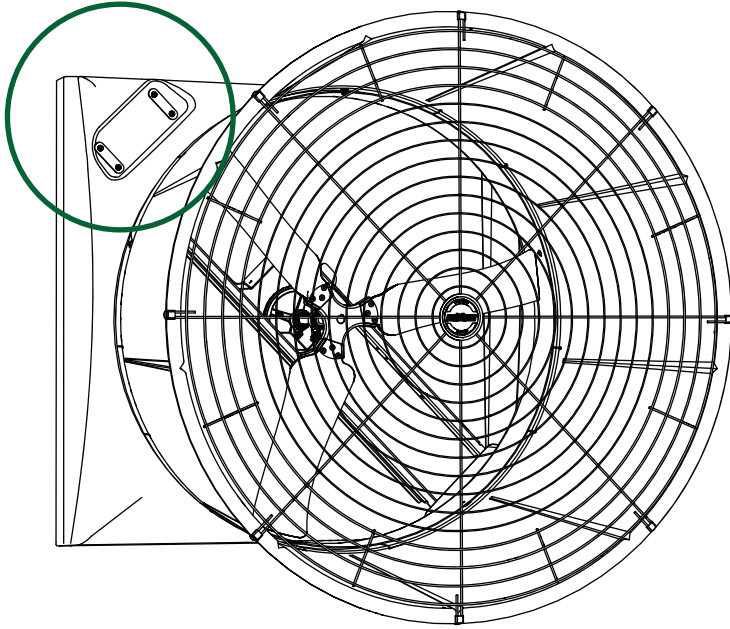
2

- Starting on the lower corner remove frame brackets from front of fan, as shown below.



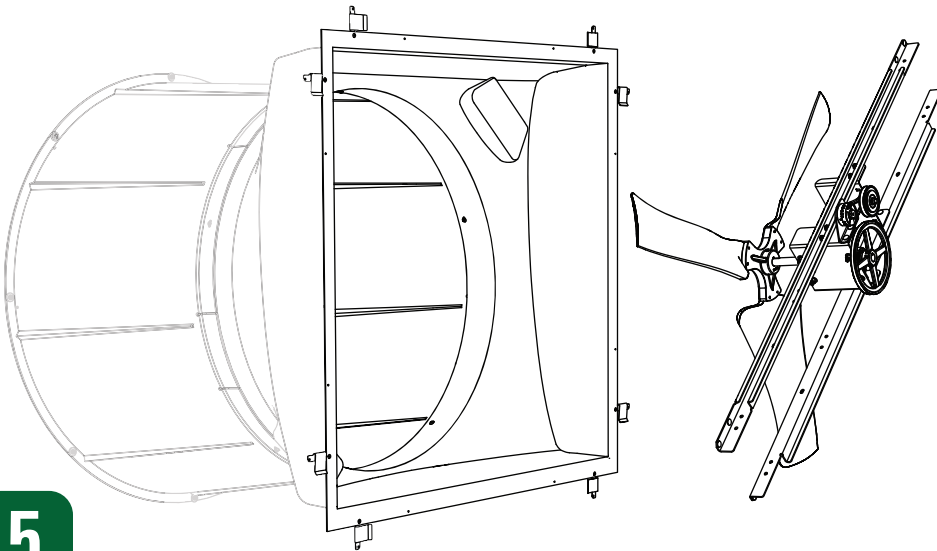
3

- Repeat **Step 3** for upper frame brackets from front of fan.



**4**

- Remove remaining prop and frame from back of fan, as shown below.

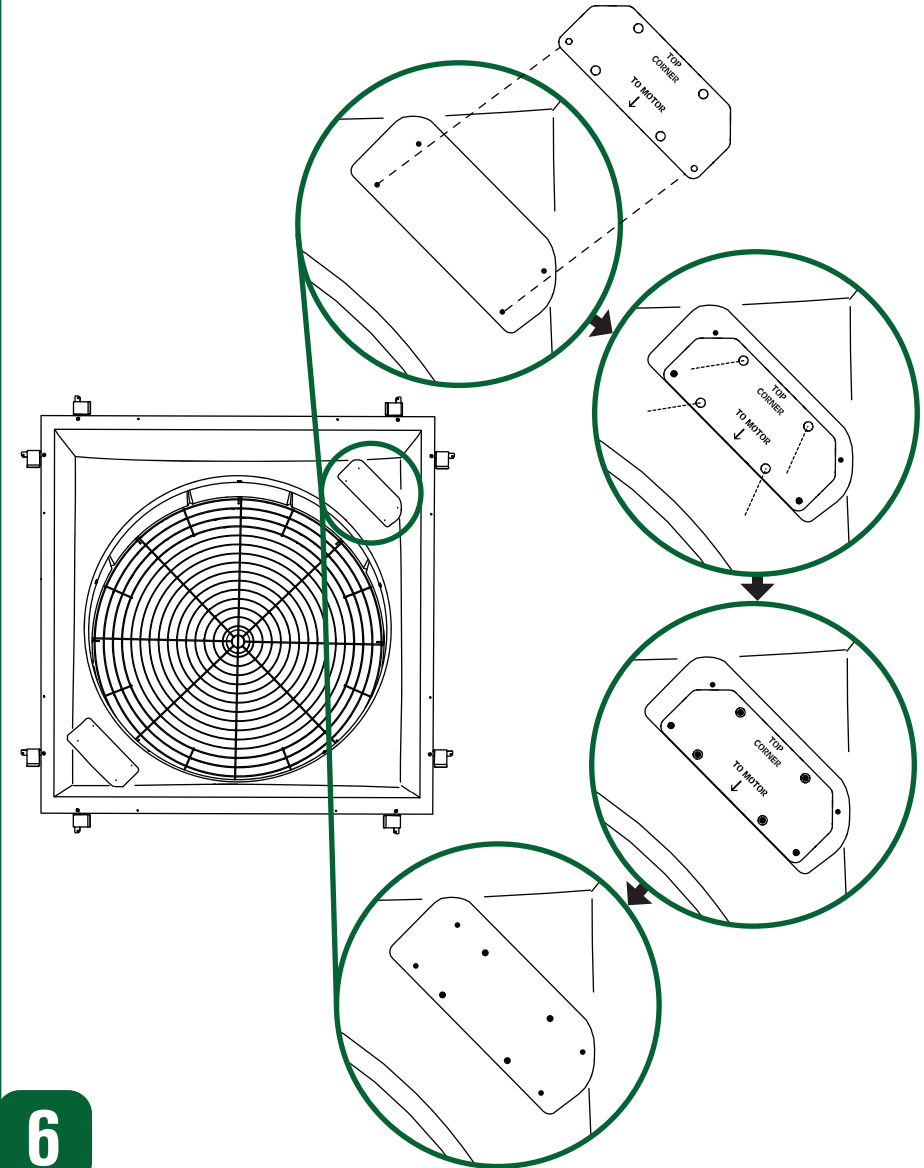


**5**

### Preparing Housing for Direct Drive Components:

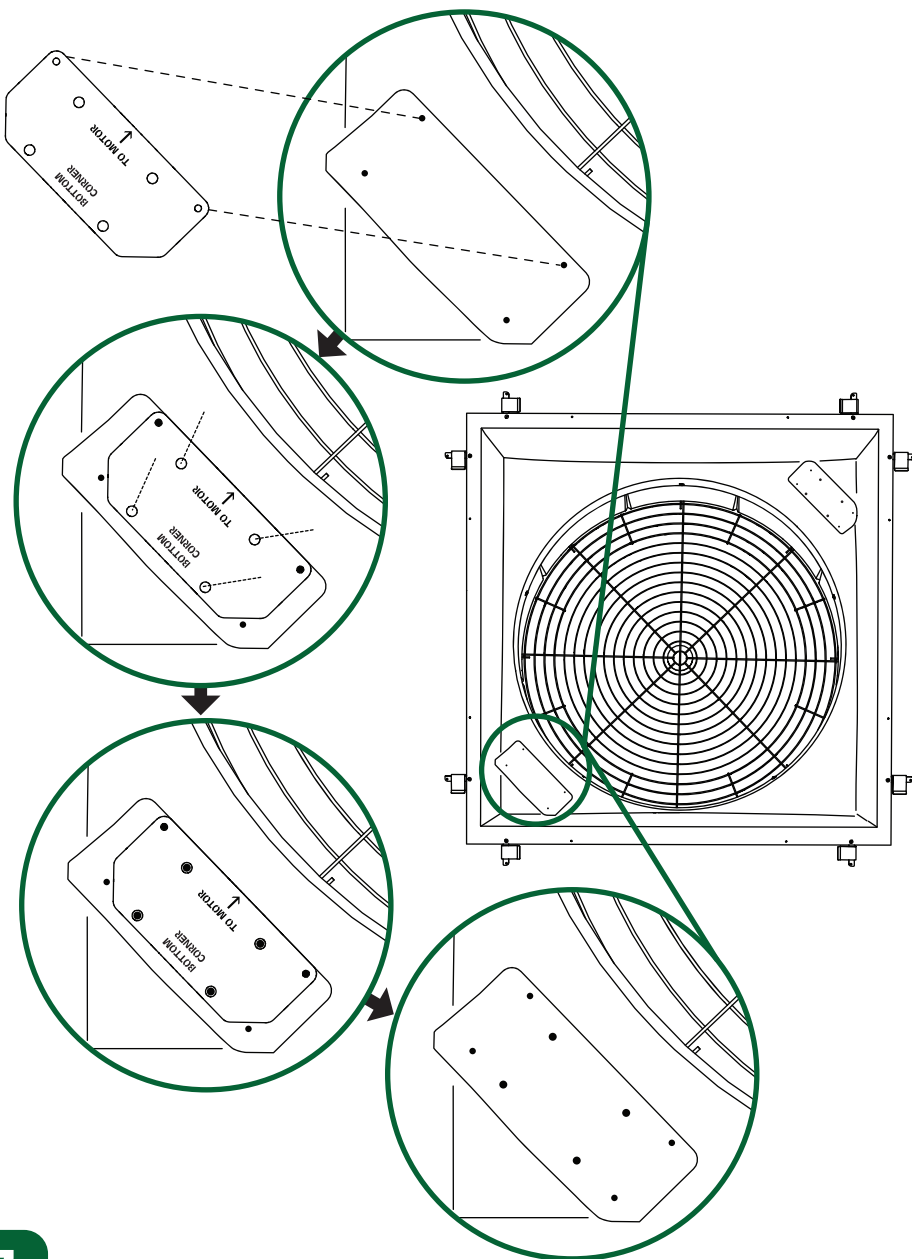
- Place top template on top frame mounting foot, align the two bottom holes with the old frame mounting holes, as shown below.
- Using a 5/16" drill bit and the other 4 holes in the template as your guide, mark and drill the location of the new frame mounting holes.

**PRO TIP:** Use old bolts to keep template in place while you mark and drill holes.



**6**

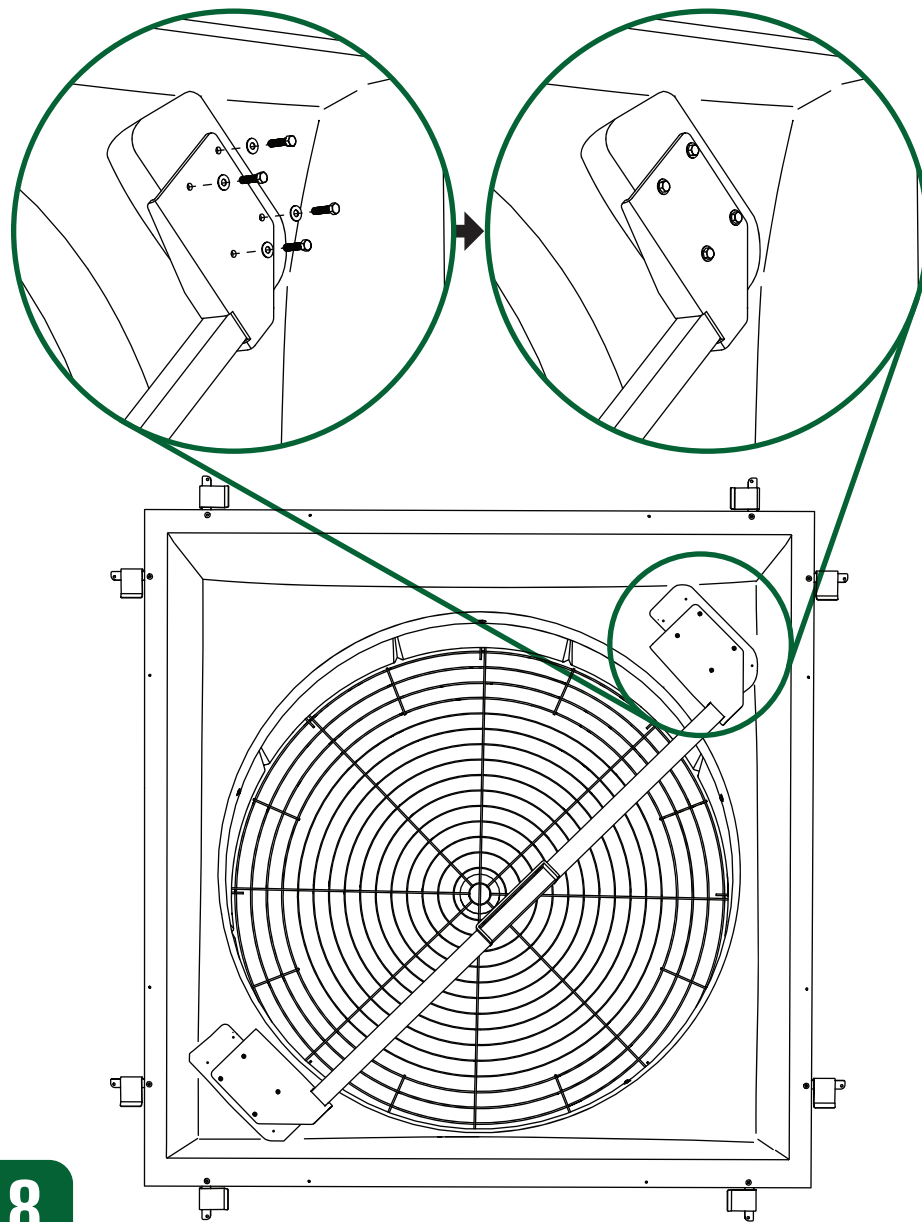
- Repeat the same process used in **Step 6** for the bottom frame mounting foot, as shown below.



7

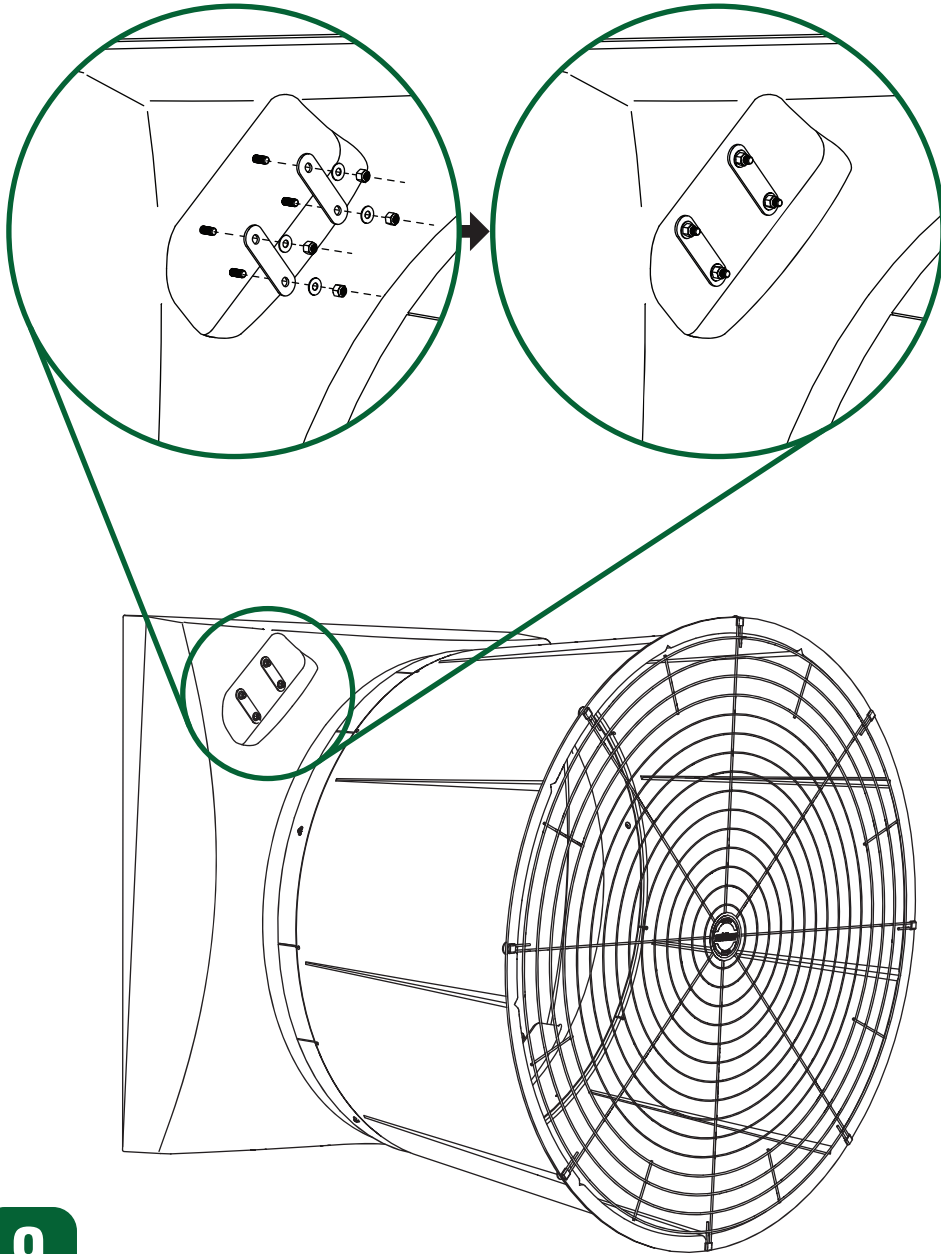
### Installation of Direct Drive Frame:

- Using the newly drilled holes created in **Step 6** as your guide, place the top frame foot, on the mounting pad, orientated as shown below.
- Use (4) 3/8"-16 x 1-1/2" Hex Bolts and (4) 5/16" Flat Washers to hold the frame in place.



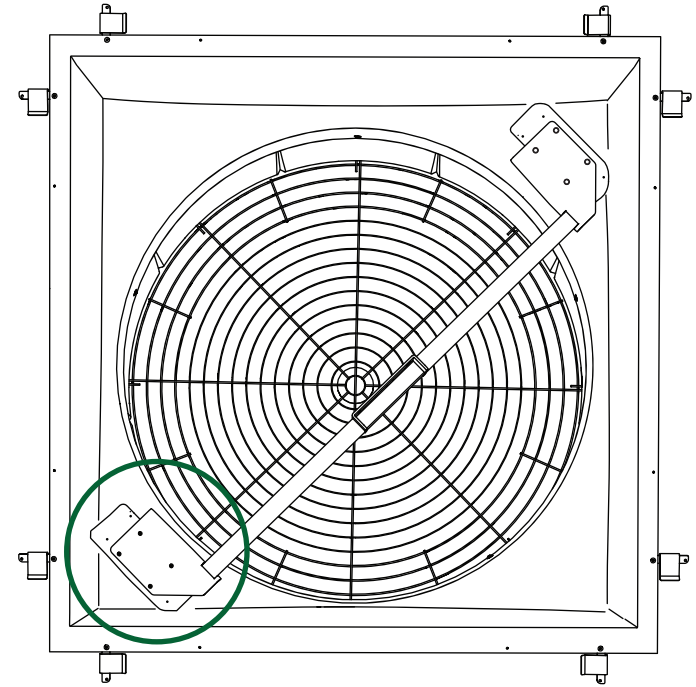
8

- Hand tightening only, assemble (2) **Frame Brackets**, (4) 5/16" **Flat Washers**, and (4) 3/8"-16 **Nylock Nuts** on the exterior of the housing to the bolts from **Step 8**, as shown below.



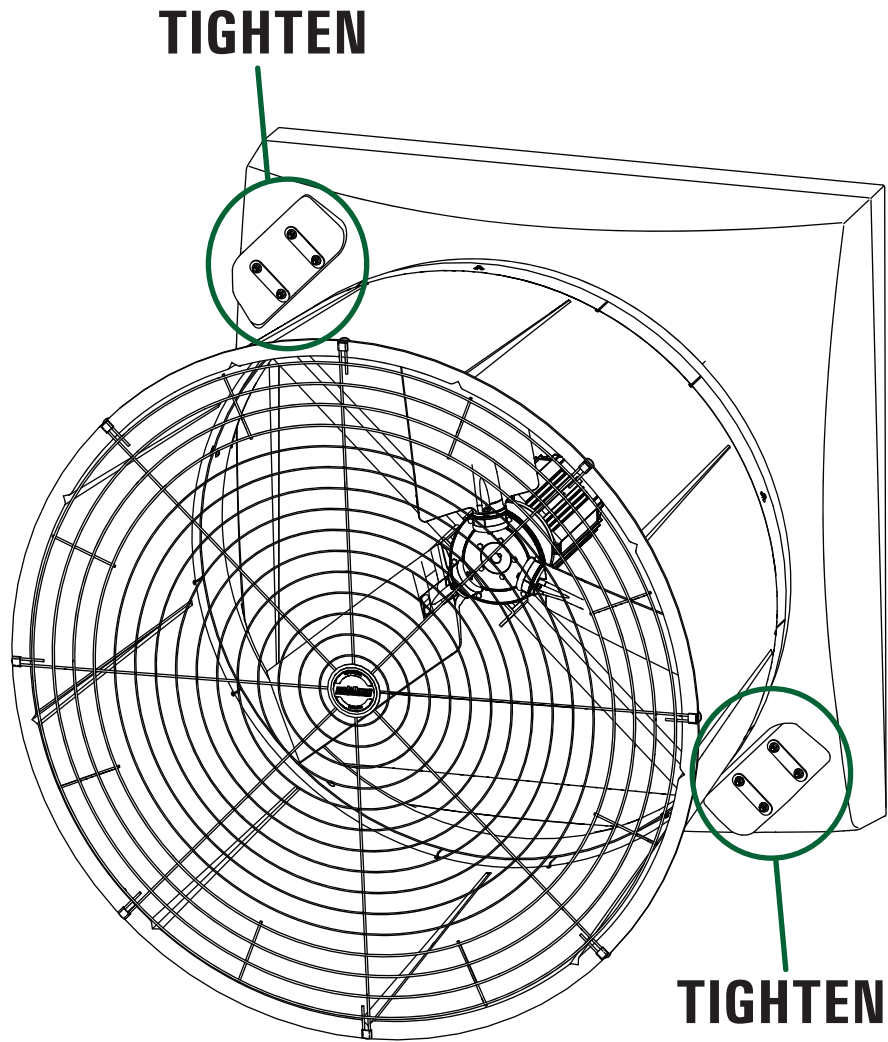
9

- Repeat **Step 8** and **Step 9** for bottom frame foot.



10

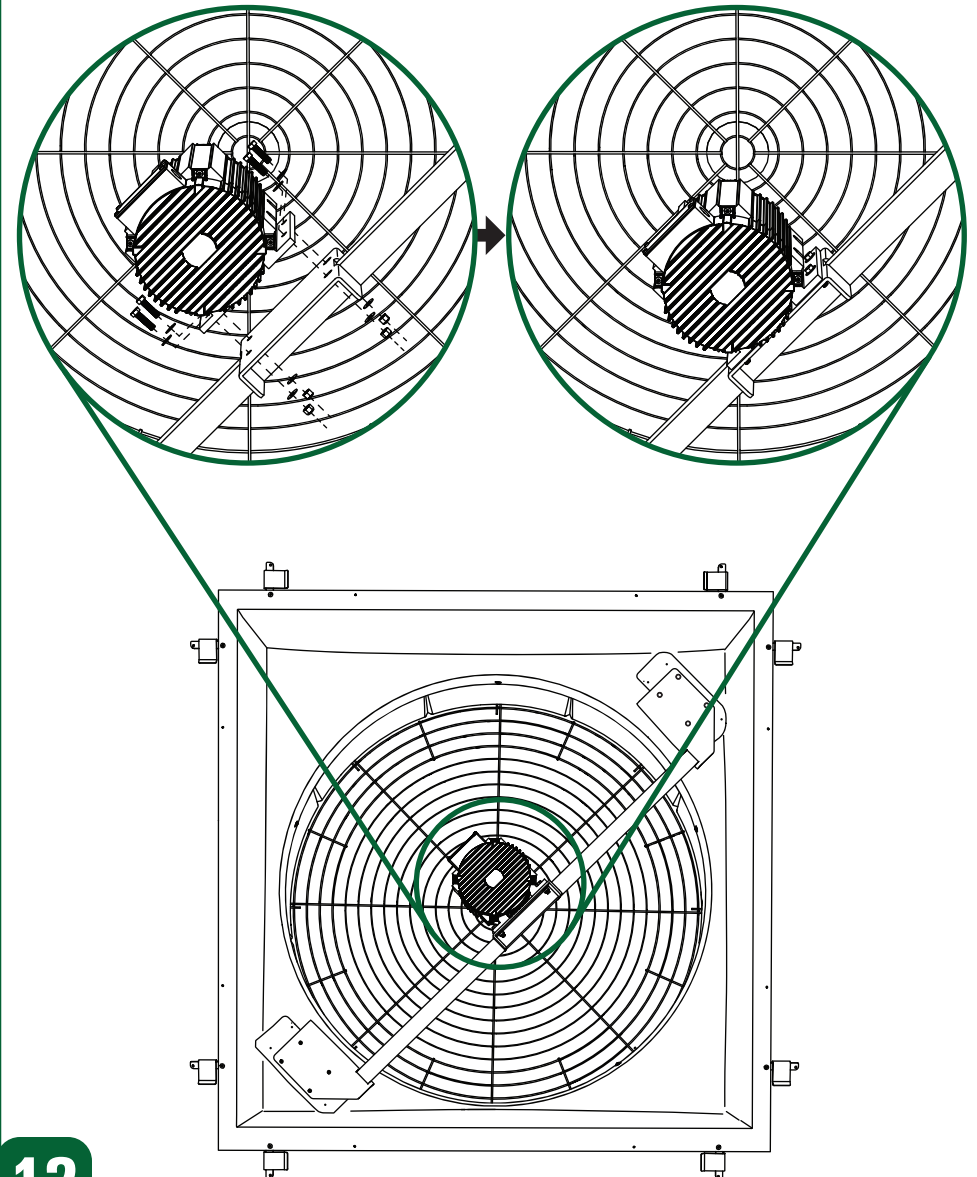
- Once ALL hardware from **Steps 8 -10** is assembled, secure the assembly by tightening the (8) nut and bolt combinations so the frame is secure and not able to be moved or shifted.



**11**

### Installation of Direct Drive Motor:

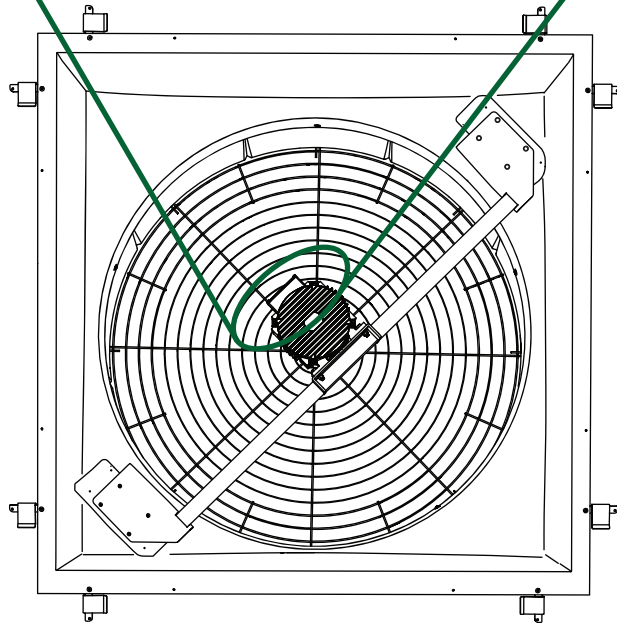
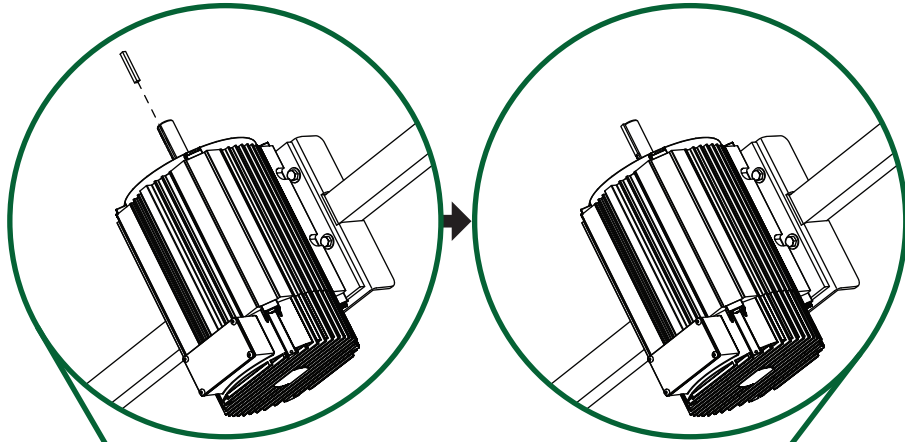
- Using (4) 3/8"-16 x 1-1/2" Hex Bolts, (8) 5/16" Flat Washers, and (4) 3/8"-16 Nylock Nuts secure motor to frame, as shown below.



**12**

## Preparing Direct Drive Motor for Prop Installation:

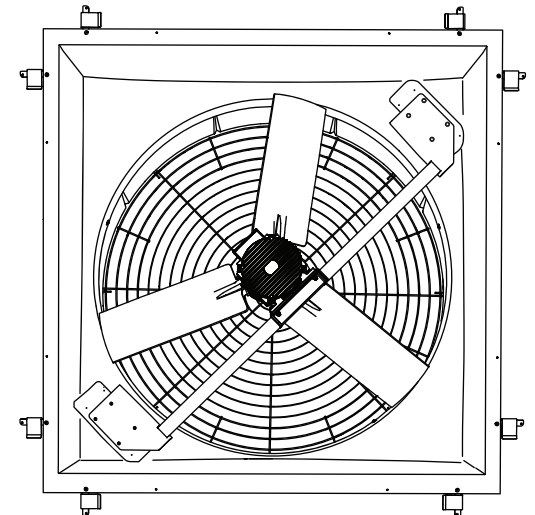
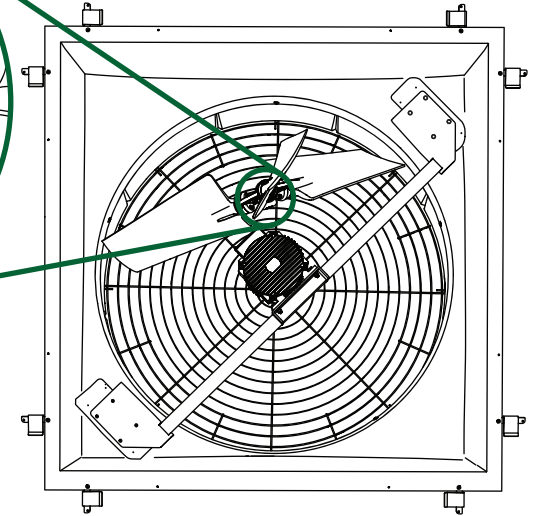
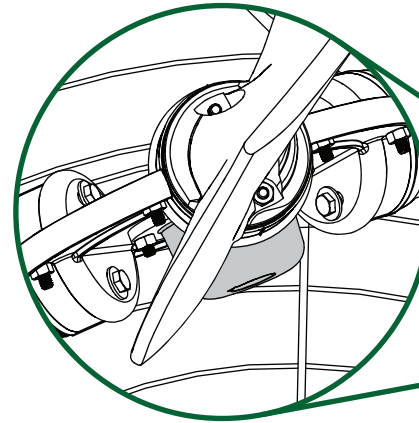
- Insert the 1/4" x 1/4" x 2" **Machine Key** into the key notch on the motor shaft.



13

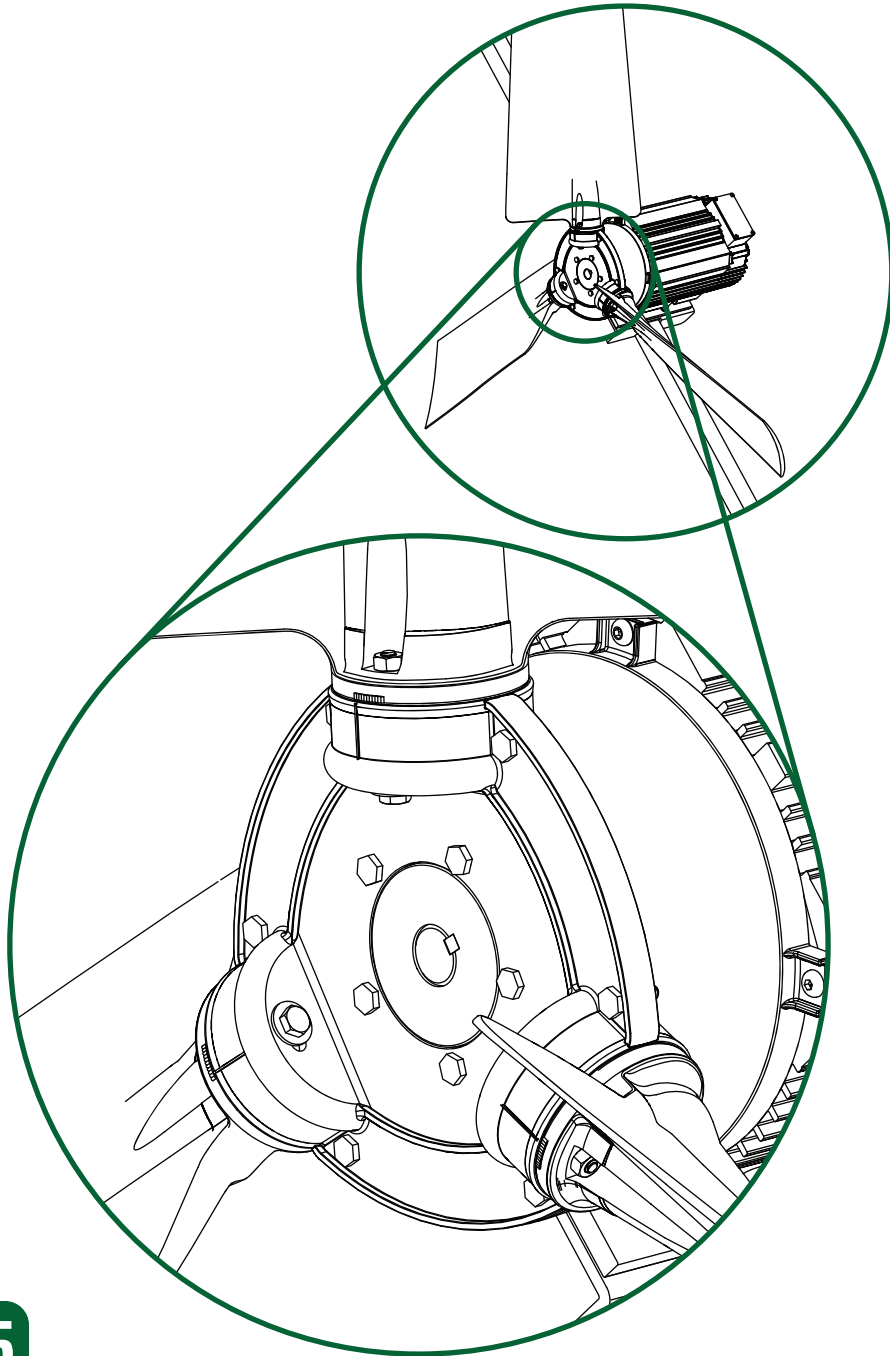
## Installation of Prop:

- With back of prop facing down, carefully insert prop through larger upper opening, as shown below.
- Rotate prop to align notch in the prop shaft opening with the machine key installed in Step 13.



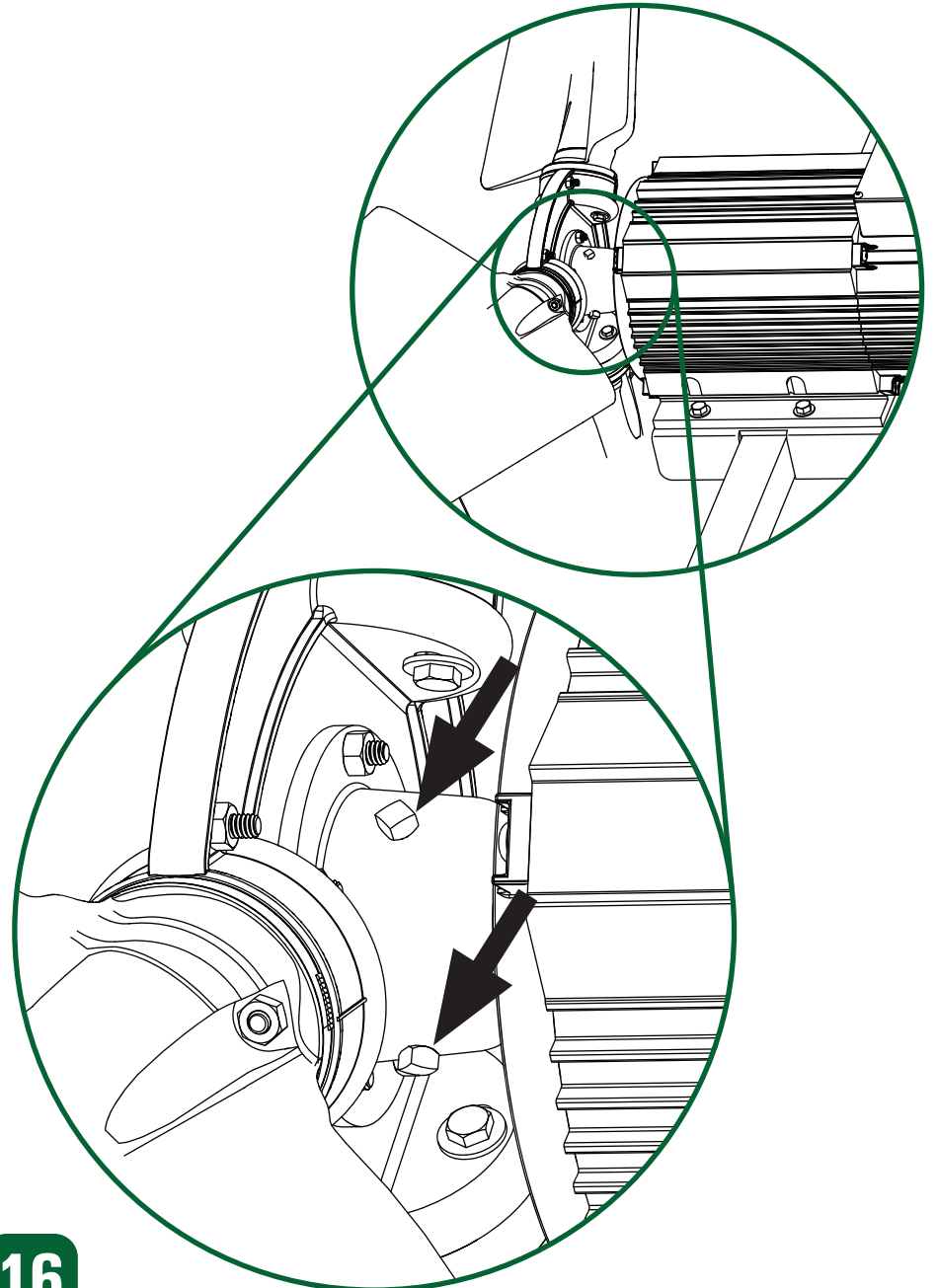
14

- Slide prop onto the keyed motor shaft so that it is flush to the end of the shaft.



15

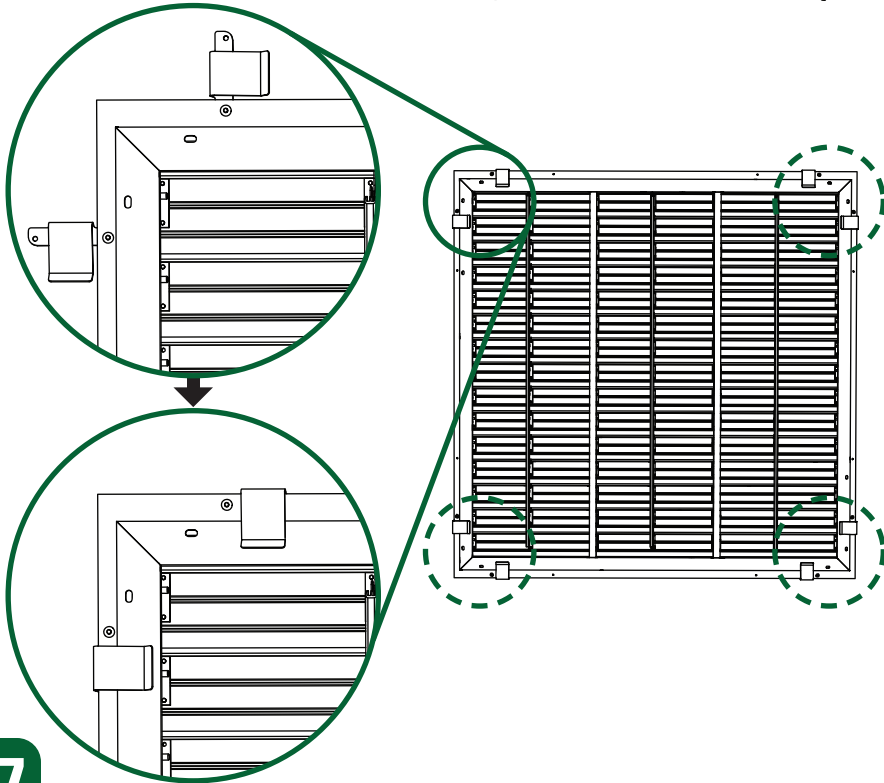
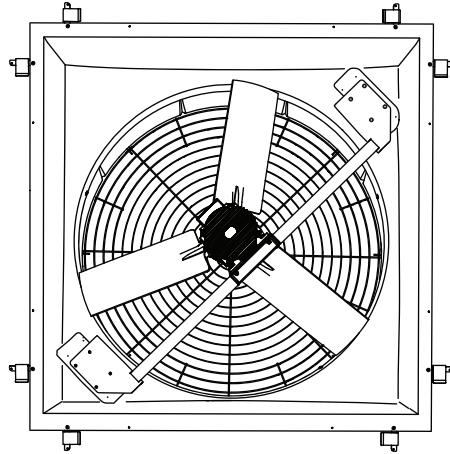
- Secure prop by tightening the (2) set screws (located on underside of prop) to 10 ft-lbs.
- Rotate the blade to make sure there is no interference.



16

## Reinstall Shutter:

- Before power is connected, reinsert shutter into housing opening and secure shutter in place by rotating each shutter clip to the closed position, as shown below.



17



## DISCONNECT POWER BEFORE INSTALLING OR SERVICING.



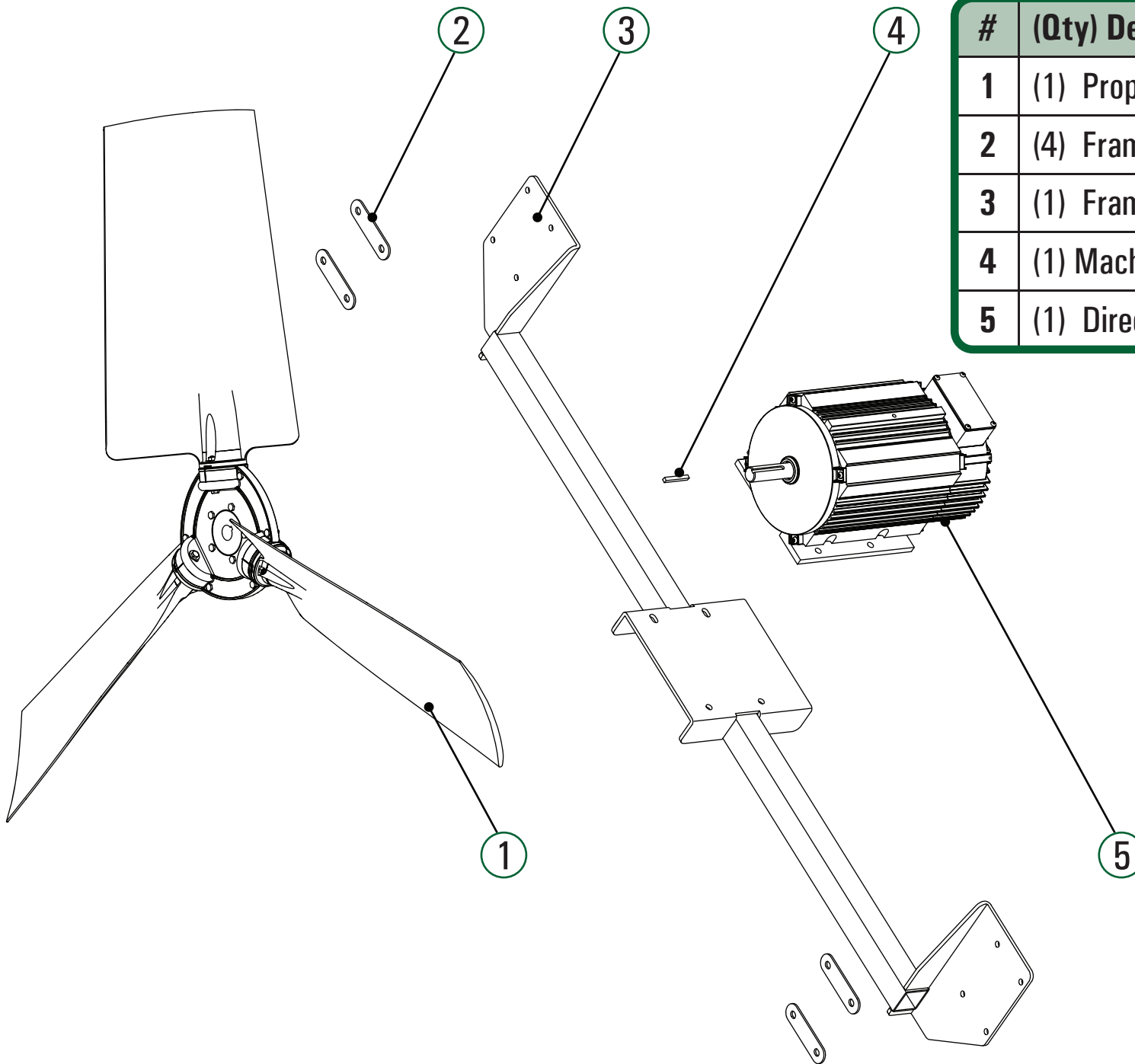
ALL ELECTRICAL WORK SHOULD BE COMPLETED BY QUALIFIED PERSONNEL  
AND MEET NATIONAL (NEC), REGIONAL AND LOCAL ELECTRIC CODES.

### General Wiring Instructions:

- Wiring should only be performed by a trained electrician to prevent injury or death.
- Install manual disconnect switch inside building adjacent to fan.
- Route wire to motor with drip loop and secure. Drip loop will drain accumulated moisture away from the motor.
- Configure internal wires to match supply voltage and wire according to motor nameplate. Test to verify correct rotation.
- Only permit power to unit when guard and shutter are properly installed to prevent injury.

### Maintenance Instructions:

- Disconnect power before cleaning or maintaining your fan in order to prevent serious injury or death.
- Service and repair of fan should only be completed by a qualified technician.
- For maximum efficiency and fan life, keep the following free from dirt and dust: blades, shutter, motor, and guard.
- The totally enclosed air over motor is sealed and does not require additional oil.



#	(Qty) Description
1	(1) Prop
2	(4) Frame Brackets
3	(1) Frame
4	(1) Machine Key
5	(1) Direct Drive Motor