QUICK INSTALLATION GUIDE

AirEye®

Operating Instructions and Maintenance:
bigfans.com/support

⚠ **CAUTION: To reduce risk of personal injury, use only with mounting assembly models 007180, 007262, 009182, 007265, and 008001 manufactured by Big Fans.**

TECHNICAL SPECIFICATIONS

AirEye 100–120 VAC, 1Φ, 50/60 Hz

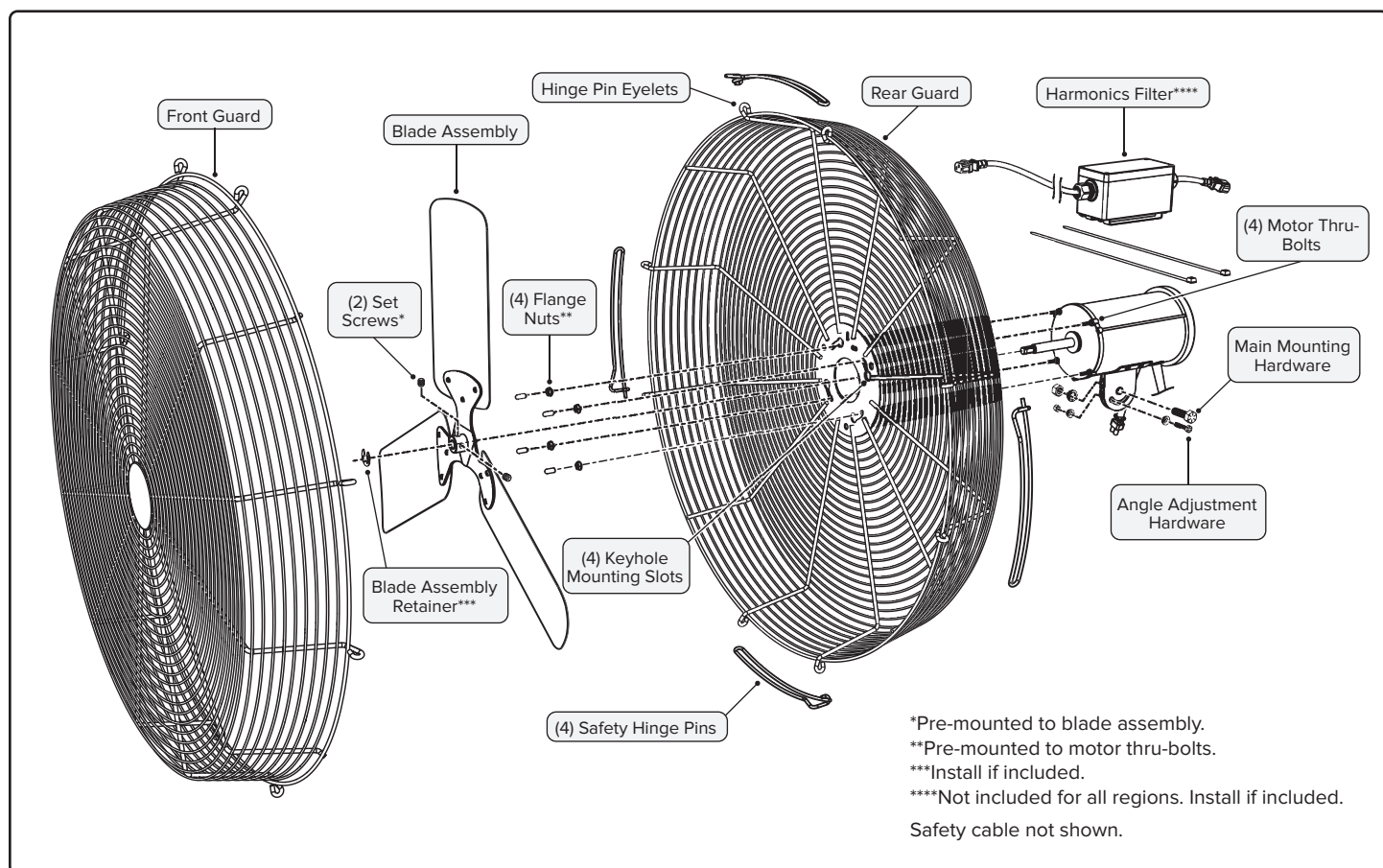| Fan Size	Motor Size	Max RPM @ 115 V	Fan Weight*	100 V		115 V		120 V	
				Current	Power	Current	Power	Current	Power
20 in. (508 mm)	1/3 hp	1300	32 lb (14.5 kg)	5.0 A	317 W	4.7 A	326 W	4.5 A	326 W
24 in. (610 mm)	1/3 hp	1300	38 lb (17.2 kg)	5.4 A	348 W	4.8 A	334 W	4.8 A	351 W
30 in. (762 mm)	1/3 hp	1300	45 lb (20.4 kg)	5.3 A	335 W	4.9 A	345 W	4.7 A	347 W

*Includes fan motor, blades, and cage assembly.

AirEye 200–240 VAC, 1Φ, 50/60 Hz

Fan Size	Motor Size	Max RPM @ 115 V	Fan Weight*	220 V		235 V		240 V	
				Current	Power	Current	Power	Current	Power
20 in. (508 mm)	1/3 hp	1300	32 lb (14.5 kg)	3.0 A	394 W	3.1 A	389 W	3.2 A	376 W
24 in. (610 mm)	1/3 hp	1300	38 lb (17.2 kg)	3.1 A	380 W	3.0 A	393 W	3.1 A	393 W
30 in. (762 mm)	1/3 hp	1300	45 lb (20.4 kg)	3.0 A	364 W	3.0 A	379 W	3.0 A	380 W

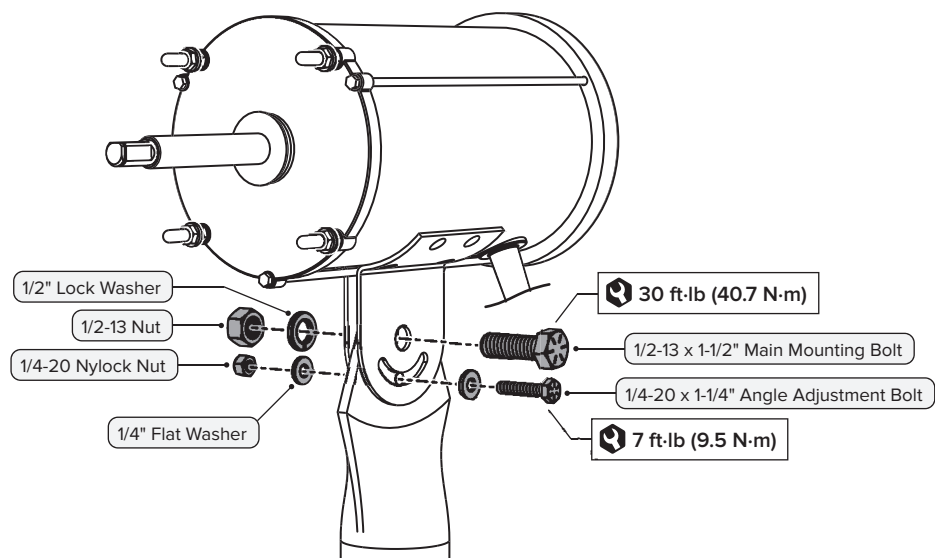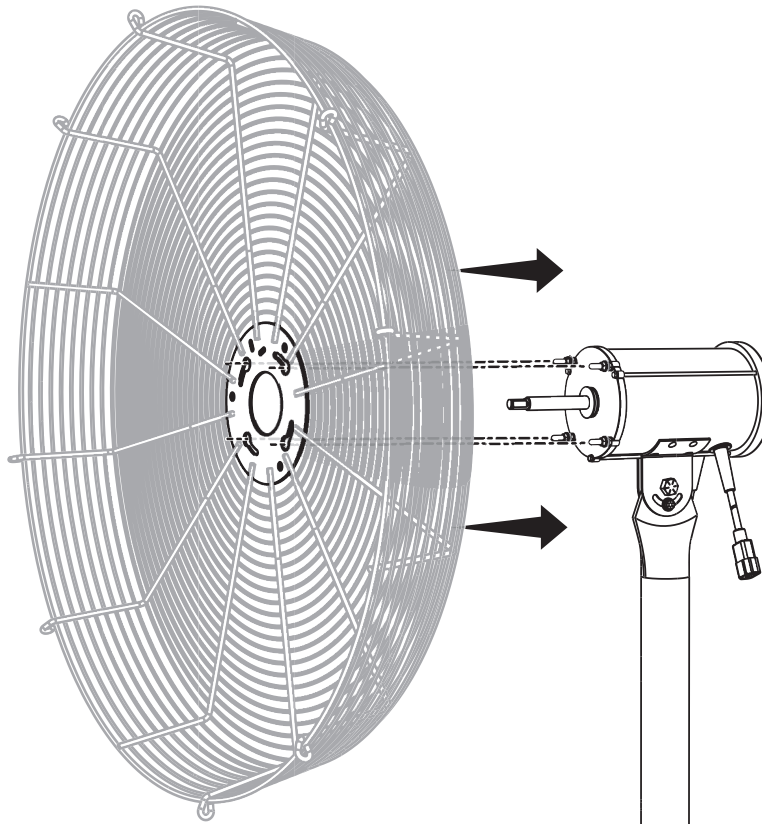*Includes fan motor, blades, and cage assembly.

PARTS AND HARDWARE

Front Guard

Blade Assembly

Hinge Pin Eyelets

Rear Guard

Harmonics Filter****

(2) Set Screws*

(4) Flange Nuts**

(4) Motor Thru-Bolts

Main Mounting Hardware

Angle Adjustment Hardware

Blade Assembly Retainer***

(4) Keyhole Mounting Slots

(4) Safety Hinge Pins

*Pre-mounted to blade assembly.
**Pre-mounted to motor thru-bolts.
***Install if included.
****Not included for all regions. Install if included.

Safety cable not shown.

1. MOTOR

Make sure fan mount has been installed as specified in the mounting instructions.

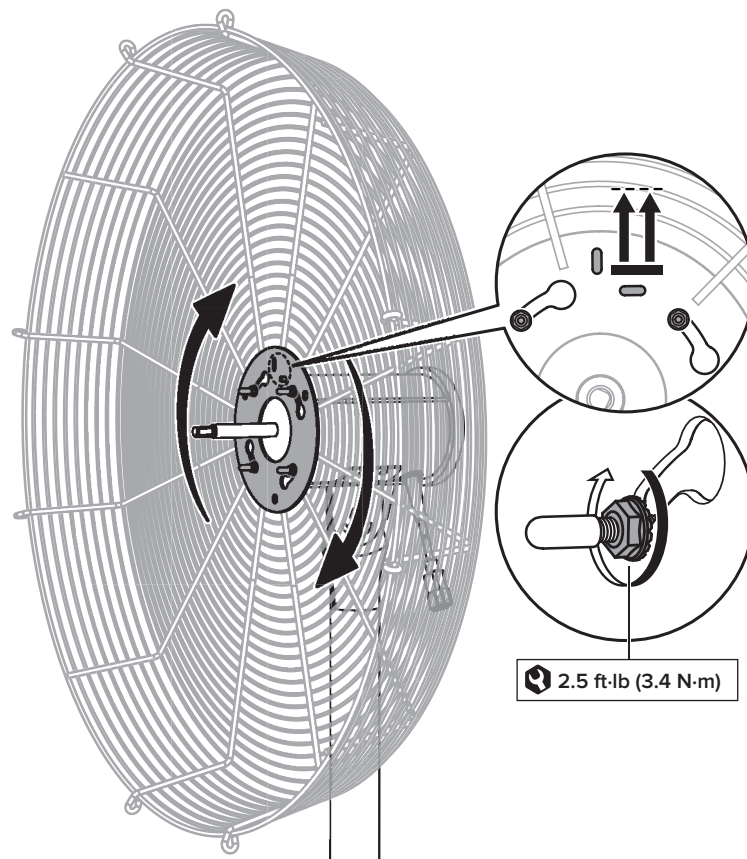To adjust motor angle, loosen main mounting bolt and angle adjustment bolt.

1/2" Lock Washer

1/2-13 Nut

1/4-20 Nylock Nut

1/4" Flat Washer

30 ft·lb (40.7 N·m)

1/2-13 x 1-1/2" Main Mounting Bolt

1/4-20 x 1-1/4" Angle Adjustment Bolt

7 ft·lb (9.5 N·m)

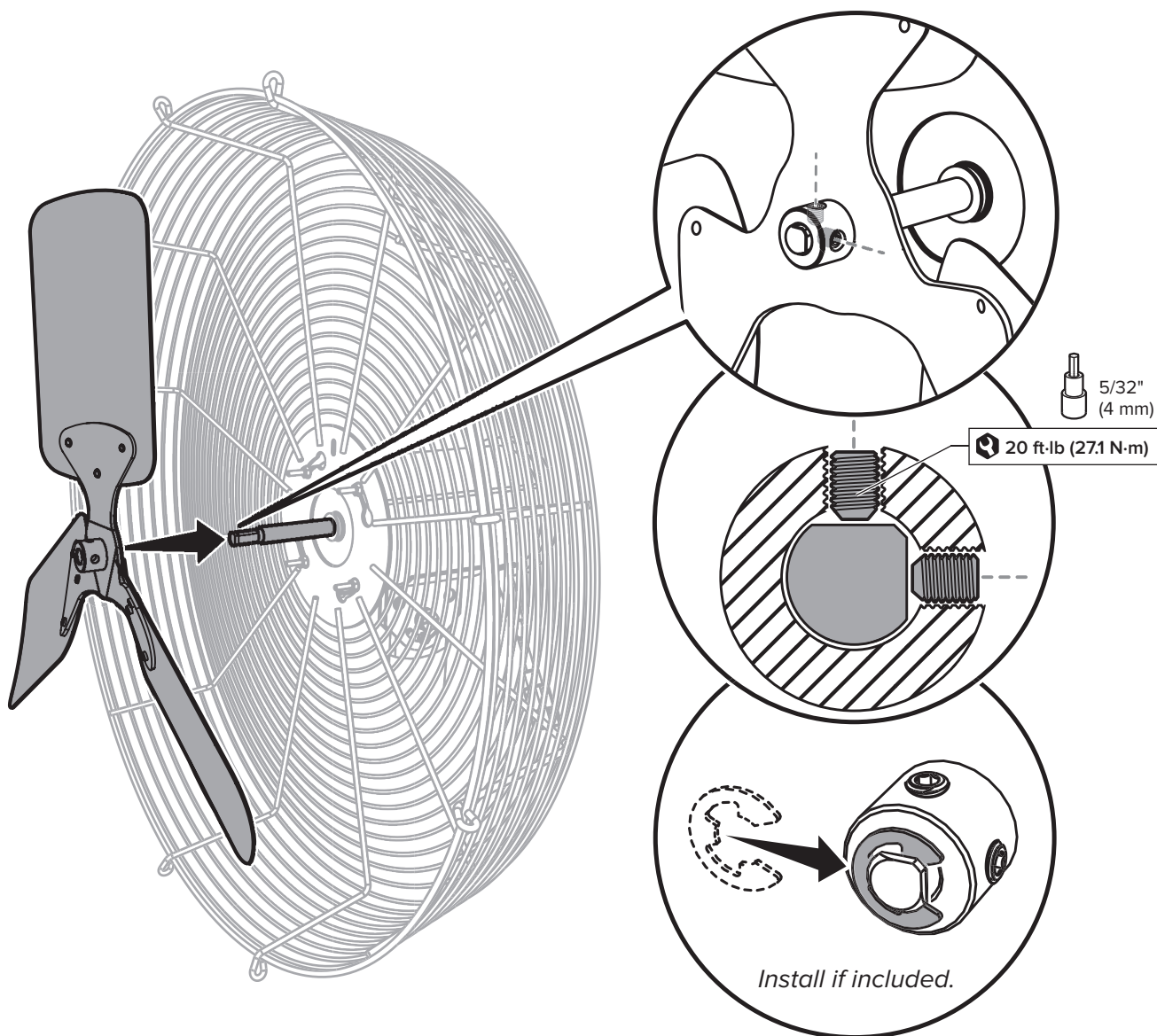## 2. REAR GUARD

Align Mounting Slots

Secure Guard

2.5 ft·lb (3.4 N·m)

3. BLADE ASSEMBLY

Ensure blade assembly is fully seated onto shoulder of shaft and set screws are aligned to flats of shaft.

5/32"
(4 mm)

20 ft·lb (27.1 N·m)
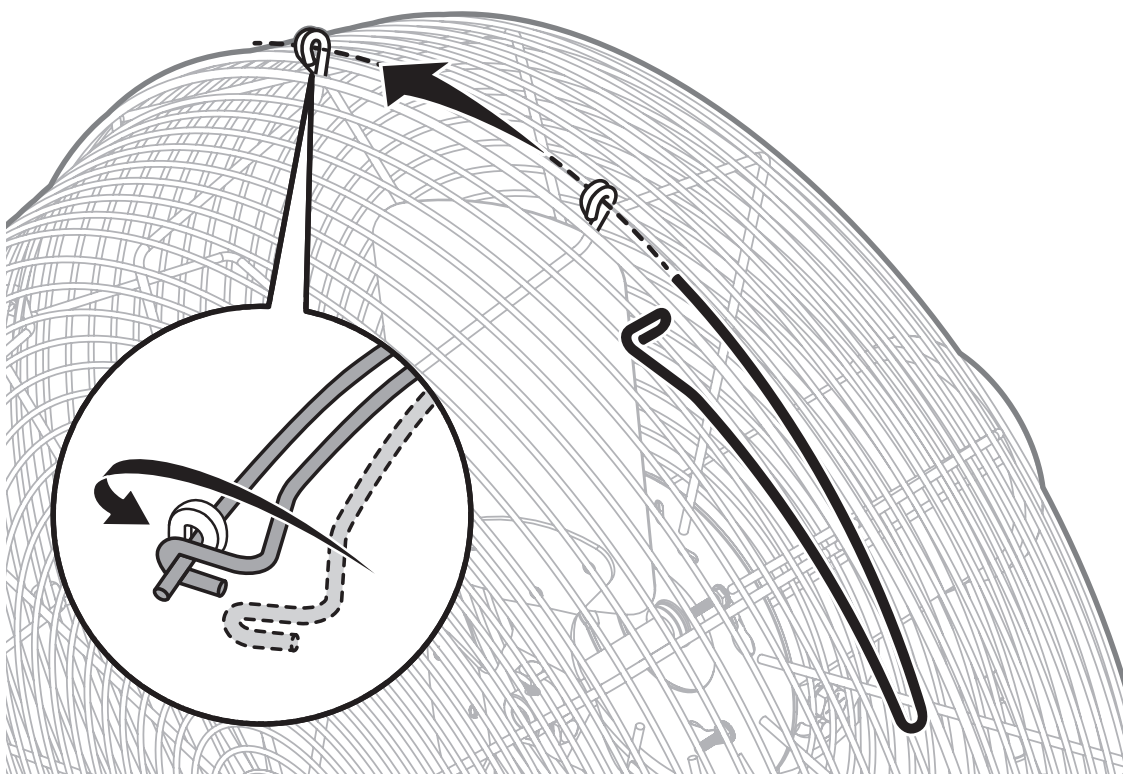
Install if included.

4. FRONT GUARD

If installing AirEye with Ion Technology, refer to the instructions that came with the ion generator before installing the front guard.
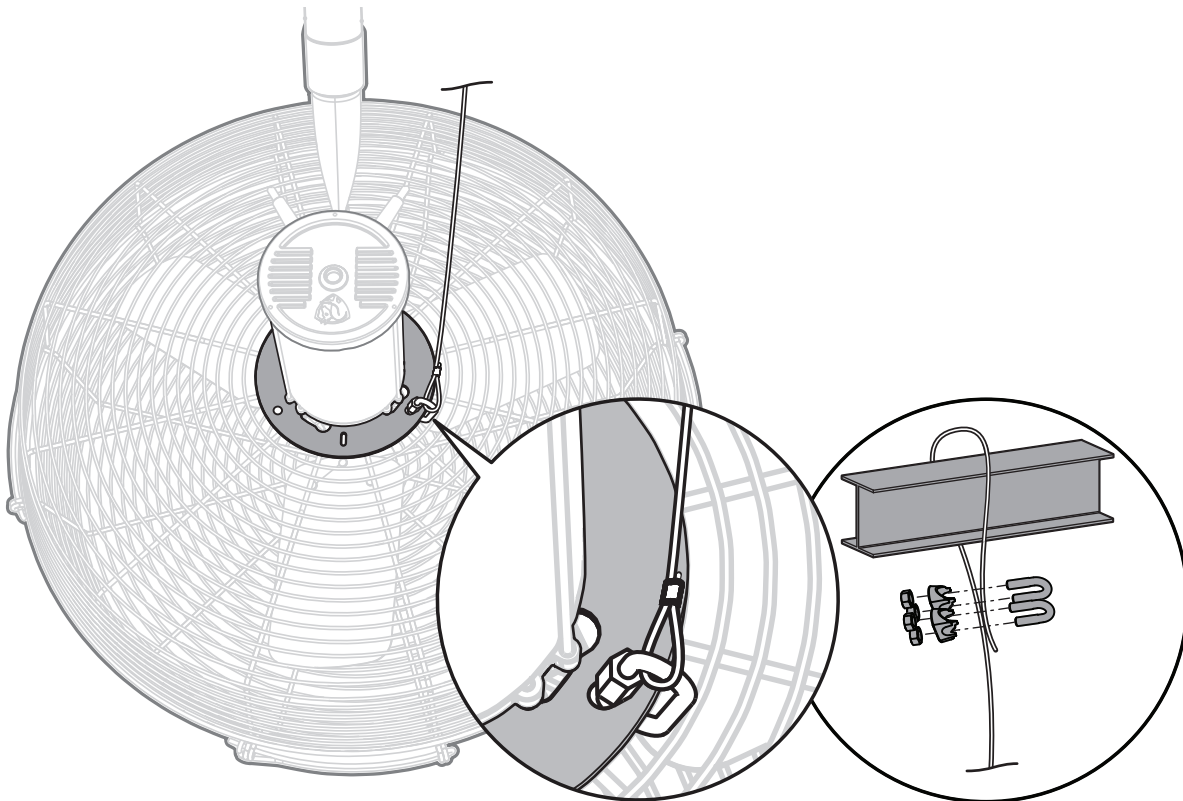
Align Eyelets
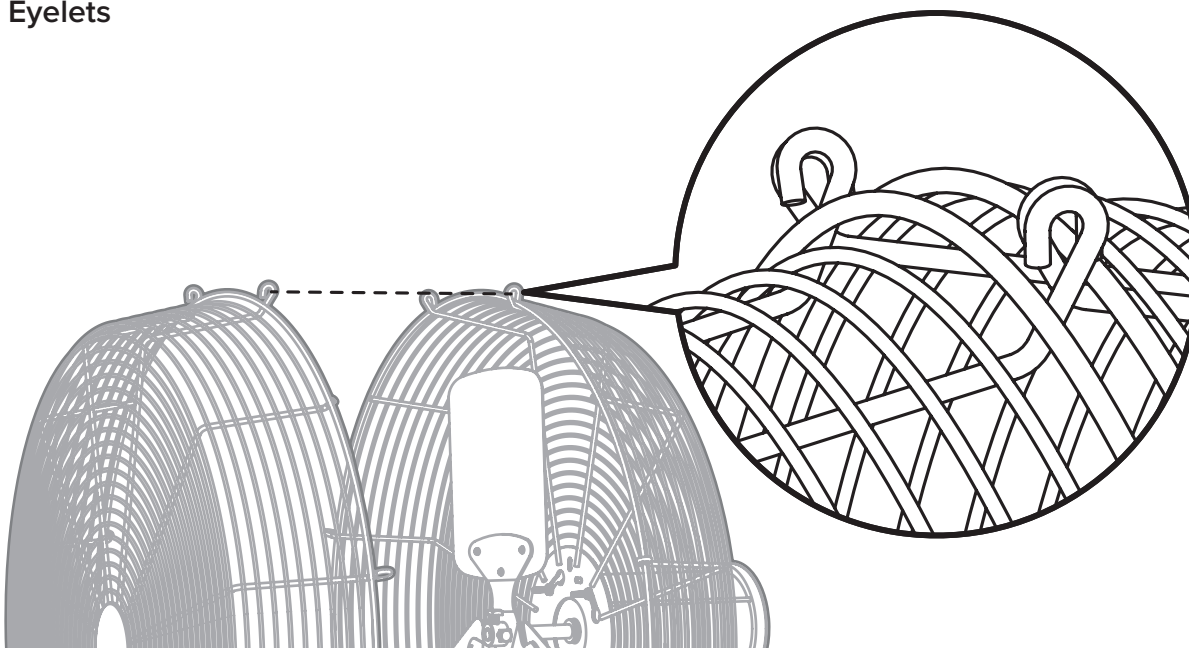
Fasten Hinge Pins

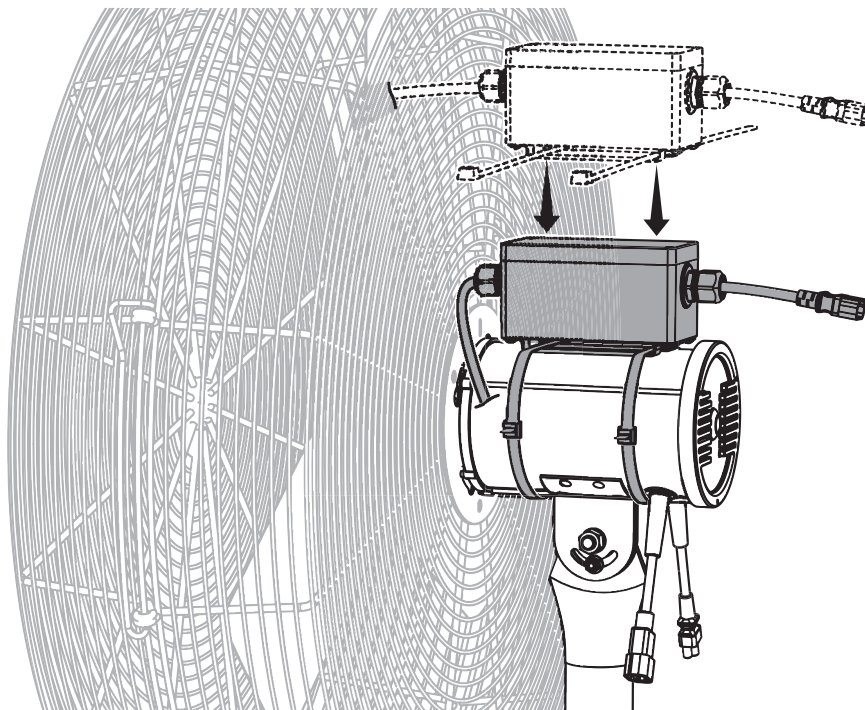Start with topmost hinge.

5. SAFETY CABLE

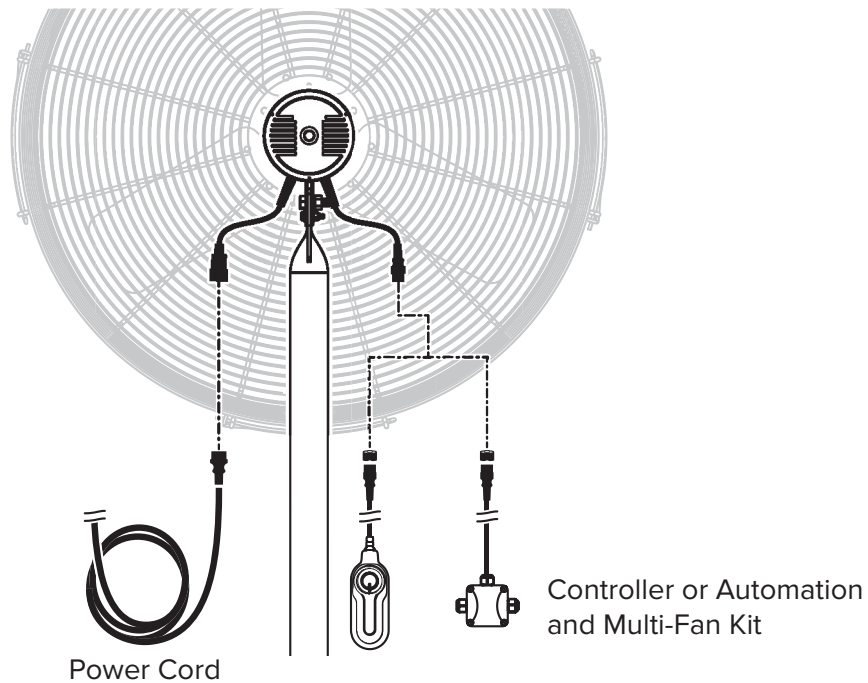*Do not* attach safety cable to fan mount under any circumstances.
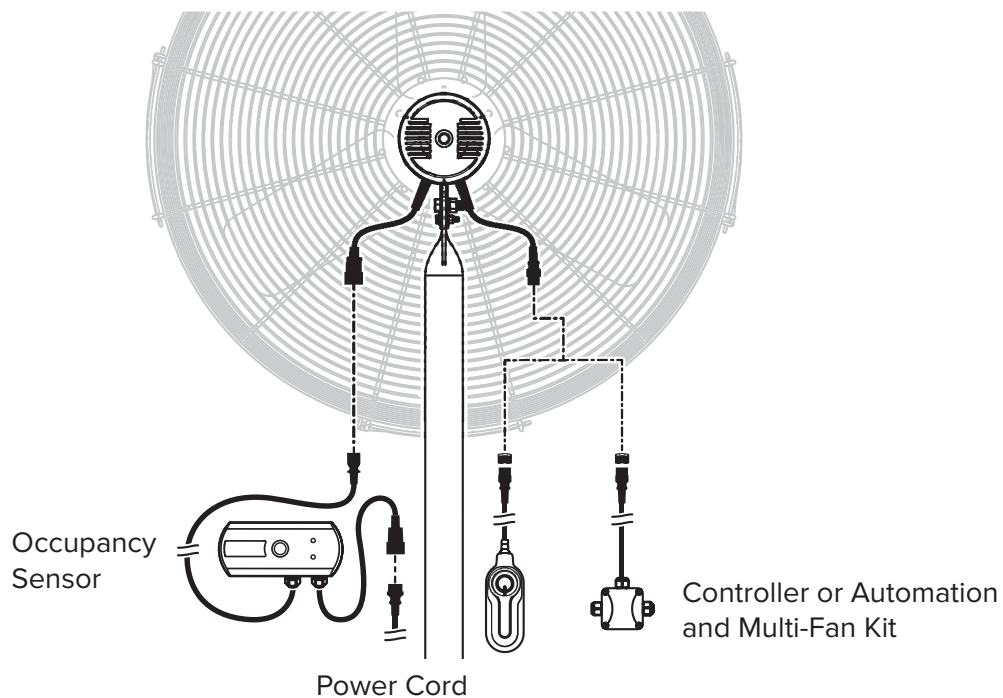
6. HARMONICS FILTER (SELECT REGIONS ONLY)
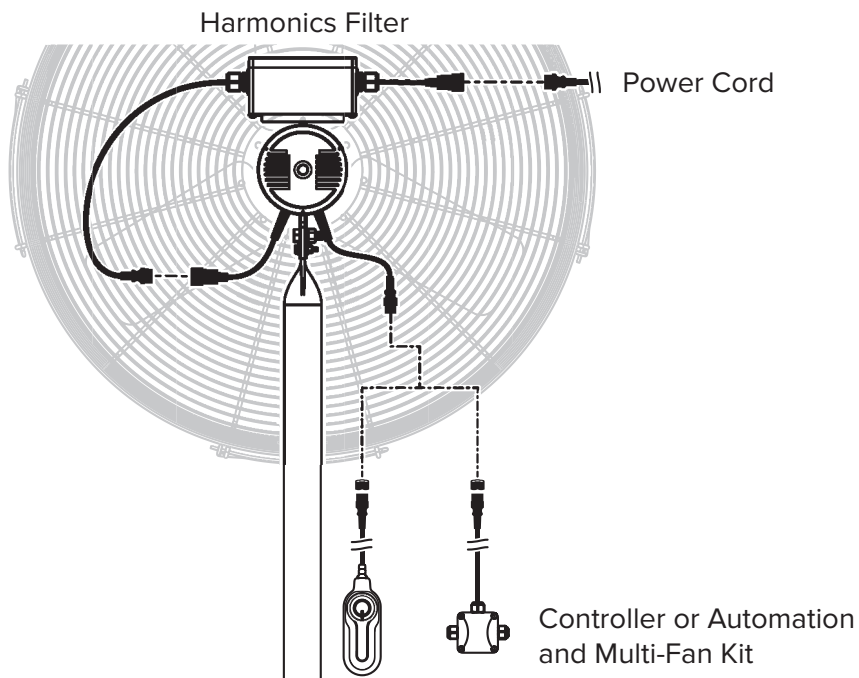
Install if included with your fan.

ELECTRICAL CONNECTIONS: FAN ONLY

Power Cord

Controller or Automation
and Multi-Fan Kit

ELECTRICAL CONNECTIONS: FAN WITH OCCUPANCY SENSOR

Occupancy
Sensor

Power Cord

Controller or Automation
and Multi-Fan Kit

ELECTRICAL CONNECTIONS: FAN WITH HARMONICS FILTER

Harmonics Filter

Power Cord

Controller or Automation
and Multi-Fan Kit

ELECTRICAL CONNECTIONS: FAN WITH OCCUPANCY SENSOR AND HARMONICS FILTER

Harmonics Filter

Power Cord

Occupancy
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Controller or Automation
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