

#### MAINTENANCE NOTES:

This unit has rotating parts and safety precautions should be exercised. Very little to no maintenance should be required under conditions of normal service. The motor is supplied with pre-lubricated ball bearings, lubricated for the life of the motor. Periodic cleaning to remove build up of foreign material is suggested. Failure to do so may result in unwanted vibration and / or premature motor failure.

These instructions contain the usual methods of installation, maintenance and cleaning for which the products were designed. They do not claim to cover all details for every possible situation that might be encountered with the installation, maintenance and cleaning. Should a particular problem arise that is not covered in these instructions, consult your local Airmaster distributor.



**AIRMMASTER® FAN COMPANY**  
1300 FALAHEE RD., P.O. BOX 968, JACKSON, MICHIGAN 49204-0968 • PHONE (517) 764-2300  
Website: [www.airmasterfan.com](http://www.airmasterfan.com) E-mail: [sales@airmasterfan.com](mailto:sales@airmasterfan.com)

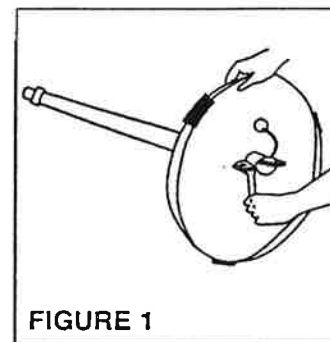


FIGURE 1

Figure 1  
Remove parts bag. (half strap ), bolts (4), lock-washer (4). Position half strap "notched ends" toward base on under side. Then insert thru bolts and attached lock-washer and nuts. Do not tighten. Pedestal assembly should then be positioned into base. Secure from underside of base by tightening four bolts as illustrated.

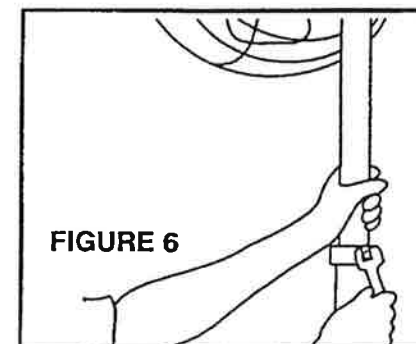


FIGURE 6

#### DETAIL OF PEDESTAL MOTOR MOUNTING

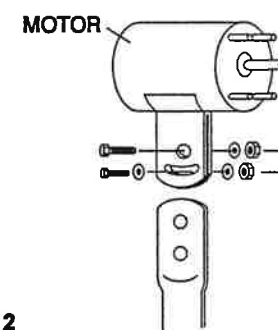


FIGURE 2

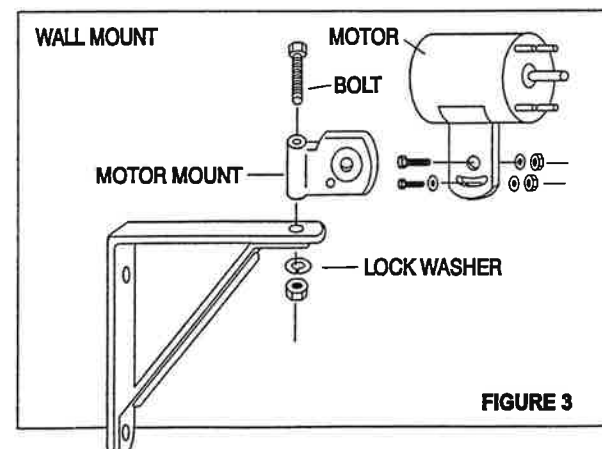


FIGURE 3

## IMPORTANT: READ AND SAVE THESE INSTRUCTIONS



## ASSEMBLY INSTRUCTIONS FOR THE 18", 20", 24" & 30" AIR CIRCULATORS

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT USE ANY SOLID-STATE SPEED CONTROL DEVICE WITH THESE FANS.  
**CAUTION:** DISCONNECT FAN FROM POWER SUPPLY BEFORE SERVICING TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK.

Figure 6

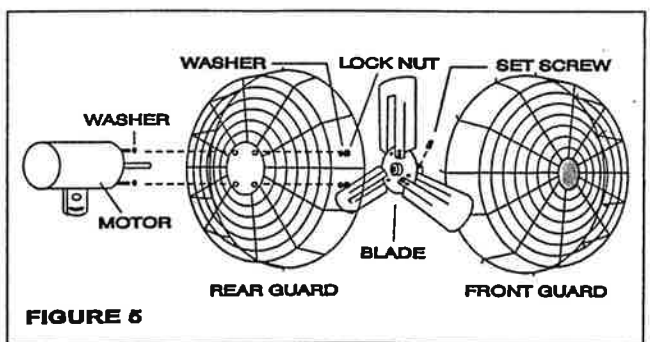
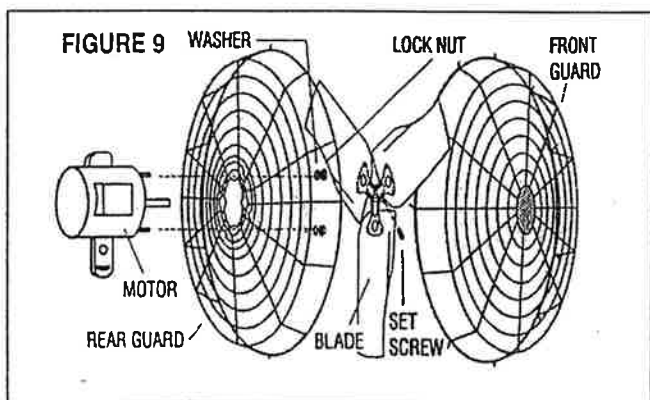
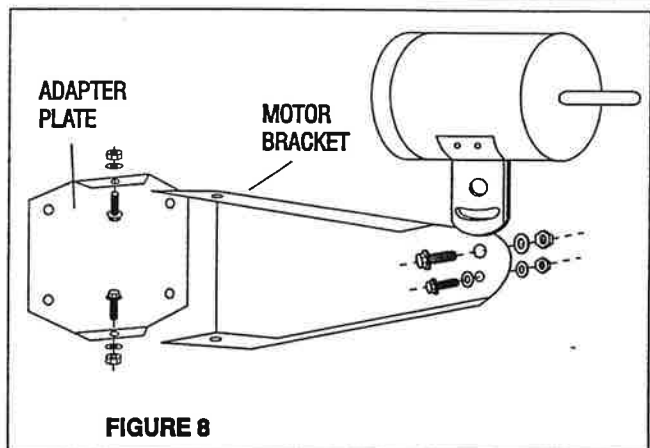
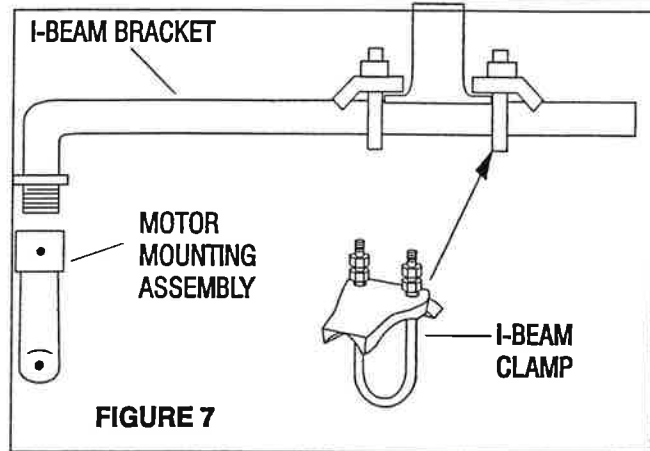
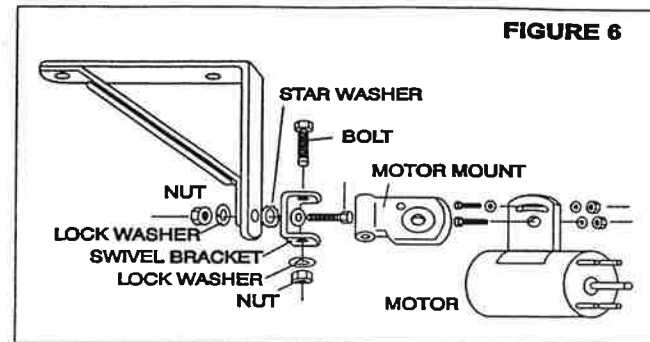
Raise pedestal to desired height and lock with set screw using wrench.

#### MOUNTING THE MOTOR

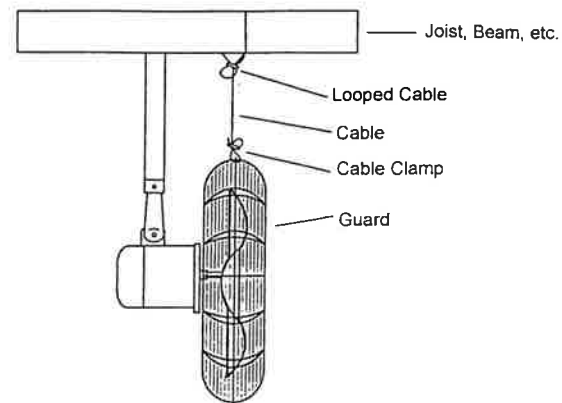
(Figure 2) Attach motor to either of the assemblies using 1/2" bolt through large hole in motor mount and securing with lock washer and nut. Place flat washer on 1/4" bolt and insert bolt through groove in motor bracket and through small hole in mounting assembly. Secure with flat washer, lock washer and nut.

#### WALL MOUNT

(Figure 3) Using two holes, secure mount to wall with screws or to a beam with screws or bolts, nuts and lock washers. With "notch" in motor mount facing upward, fasten motor mount to wall bracket using 3/8"-16 nut. Safety cable kit included.



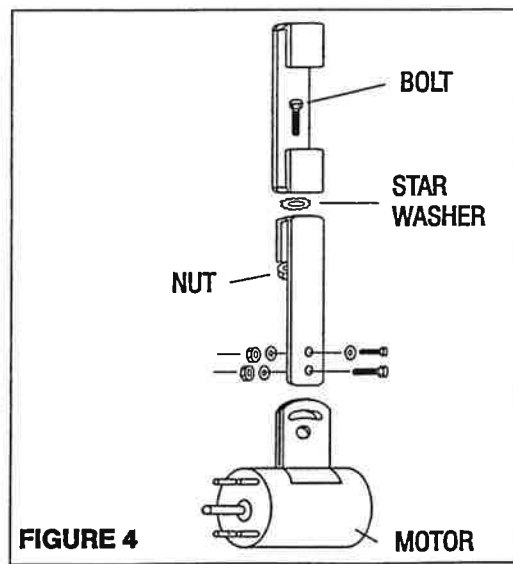
**FIGURE 11**  
**SAFETY CABLE KIT FOR USE WITH**  
**OVERHEAD MOUNTED AIR CIRCULATORS**



**IMPORTANT SAFETY NOTE:**  
For good safety practice, a safety cable is included for fans in an overhead mounting application. If material handling equipment strikes the fan or the mounting hardware fails, the cable will prevent the fan from falling. The safety cable device (no. 21204) consists of 12' of 1/16" cable, with a "U" clamp at one end, and a "crimp" on the other end. Additional safety cable kits may be ordered from your Airmaster Fan distributor.

**OPERATING THE FAN**  
Plug power cord into 115V, 60 HZ, 1PH power source. Pull chain controls motor. In installation where the motor is mounted upside down (ceiling model), pull cord should be draped over the motor and down the opposite side.

**SUSPENSION MOUNTING**  
(Figure 4) With external/internal star washer between the two halves of suspension mount, fasten halves together with 3/8" - 16 bolt and 3/8" - 16 nut. Hang suspension mount over 2" X 4" or 2" x 6" beam. Anchor mount to beam with screws or nails.



#### CEILING MOUNTING

(Figure 6) Using the two pilot holes, secure the ceiling bracket to a rafter stud / beam with bolts, nuts and lock washers or suitable screws provided by end user. Locate the enclosed bag of hardware, place a 3/8" bolt through the center hole of the swivel bracket, place the star washer between the swivel and the ceiling bracket, secure using 3/8" bolt, nut and lock washer. A Safety Cable Kit has been provided and must be used. See the Safety Cable Installation Instructions in this brochure for proper use.

#### I-BEAM MOUNTING

(Figure 7) Securely fasten the I-beam bracket to an I-beam with the two enclosed 1-1/4" beam clamps. The threaded section of the bracket may be positioned up or down as shown. Do not position the threaded section horizontal to the ground. Screw the mounting assembly onto the threaded section of the I-beam bracket. Position the mounting assembly in the direction of desired air flow, tighten set screw insuring that the set screw fully engages the pipe threads. A Safety Cable Kit has been provided and must be used. See the Safety Cable Installation Instructions in this brochure for proper use.

#### WALL MOUNTING

(Figure 8) Securely fasten the adapter plate to a wall stud / beam with bolts, nuts and lock washers or suitable screws provided by end user. Locate the enclosed bag of hardware and attach the motor bracket to the adapter plate with two 5/16" bolts. The 5/16" bolt heads shall rest against the motor bracket, while the 5/16" nut and lock washer reside against the adapter plate. A Safety Cable Kit has been provided and must be used. See the Safety Cable Installation Instructions in this brochure for proper use.

#### MOUNTING THE MOTOR

(Figure 1-8) Locate the motor mounting bag of hardware in the motor box, place the motor yoke mount over any of the mounting assemblies as shown. Attach motor using a 1/2" bolt through the large hole in the motor yoke mount / mounting assembly and securing with a 1/2" nut and lock washer. Place a flat washer on the 1/4" bolt, insert the bolt through the groove in the motor yoke mount and the small hole of the mounting assembly, secure with a flat washer and a 1/4" nut. With the motor mounting yoke point downward, the drain holes will be positioned on the bottom of the motor, two will be located in the endbells and one located in the junction box. When mounting the motor with the yoke pointing upward, it is mandatory that the drain plugs and the junction box be repositioned. The open drain holes, located in the endbells and the junction box, MUST be positioned toward the ground.

NOTE: When utilizing the optional power cord and switch and mounting the motor to a pedestal mount (non-adjustable) or a counter mount (non-adjustable), position the junction box of the motor on the side of the pedestal that is equipped with a wire way hole (see Figures 2 and 3). To prevent electrical shock, protective grommets have been installed on the bottom of the base and in the wire way hole. These grommets must be in position.

#### Notice Regarding Oscillating Fans

Oscillating fans must only be installed with the top of the motor mounted up, and a horizontal air flow condition, +/- 20 degrees.

Any other installation will void the manufacturer's warranty.

#### MOUNTING THE PROPELLER AND GUARDS

(Figure 9) Locate the bag of hardware provided in the motor box, place the rear guard on the through bolts, the through bolts should be positioned in the four holes (smallest mounting diameter), rotate the guard until the through bolts rest against the radial wire supports. Install one flat washer and one lock nut on each of the through bolts, tighten. Slide the prop onto the motor shaft until the center of the blade tips are flush with the outside edge of the rear guard. Tighten the hub set screw against the flat of the motor shaft. Install the front guard by snapping the hooks of the front guard under the outer ring of the rear guard. NOTE: For best fit, position the hooks on the front guard midway between the radial wires of the rear guard. It may require a screwdriver to pry the hooks into place.

#### SAFETY CABLE INSTALLATION INSTRUCTIONS

(Figure 11) To insure maximum safety, a safety cable is included for fans with an overhead mounting application. If material handling equipment strikes the fan or the mounting hardware fails, the safety cable will prevent the fan from falling. The safety cable device consists of a 12' cable, a wire crimp on one end forming a loop, and a "U" clamp. Place the safety cable over a ceiling rafter, beam, joist, etc. threading the end of the cable through the loop. Thread the cable through the upper portion of both the front and rear guards, remove the slack from the cable and secure the cable in place with the provided "U" clamp. To insure safe operation of the fan it is required to discard the unused tail end of the cable. Additional safety cable kits may be ordered from your local distributor.