

USER'S MANUAL and INSTALLATION GUIDE

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THANK YOU

Thank you for purchasing an Aerotech AC1934 Brake. Aerotech equipment is designed to be the highest performing, highest quality equipment you can buy. With the proper installation and maintenance it will provide many years of service.

PLEASE NOTE

To achieve maximum performance and insure long life from your Aerotech fan it is essential that it be installed and maintained properly. Please read all instructions carefully before beginning installation.

WARRANTY

For Warranty claims information see the "Warranty Claims and Return Policy" form QM1021 available from the Aerotech Ventilation System, Munters Corporation office at 1-800-227-2376 or by e-mail at aerotech@munters.com.

Conditions and Limitations:

- Products and Systems involved in a warranty claim under the "Warranty Claims and Return Policy" shall have been properly installed, maintained and operated under competent supervision, according to the instructions provided by Aerotech Ventilation Systems, Munters Corporation.
- Malfunction or failure resulting from misuse, abuse, negligence, alteration, accident or lack of proper installation or maintenance shall not be considered a defect under the Warranty.

UNPACKING THE EQUIPMENT

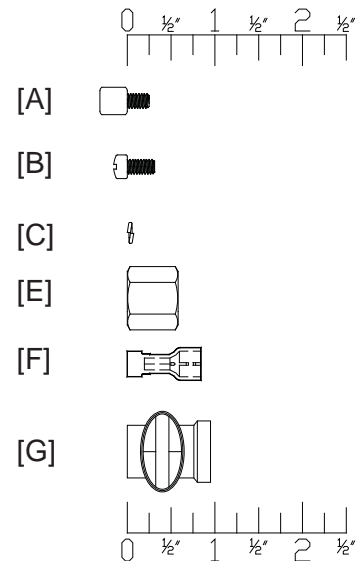
Before beginning installation, check the overall condition of the equipment. Remove packing materials, and examine all components for signs of shipping damage. Any shipping damage is the customer's responsibility and should be reported immediately to the freight carrier.

Each Box includes:

- [A] 4 - #8 - 32 x 1/4" Stainless Steel Standoffs
- [B] 4 - #8 - 32 x 5/16" S. Slot Head Screws
- [C] 4 - #8 Splitlock Washers
- [D] 1 - Brake Module
- [E] 1 - Hex Nut
- [F] 2 - Red Fully Insulated, Female Terminal
- [G] 2 - Moisture resistant connector

Brake Specifications:

Power: 110 -120 VAC
 Phase: 1
 Hertz: 60



INSTALLATION INSTRUCTIONS



Step 1

Turn power OFF to curtain machine. Clamp ball screw on curtain machine with vise-grips to keep the ball screw from turning when the brake is removed. **See Figure 1.**

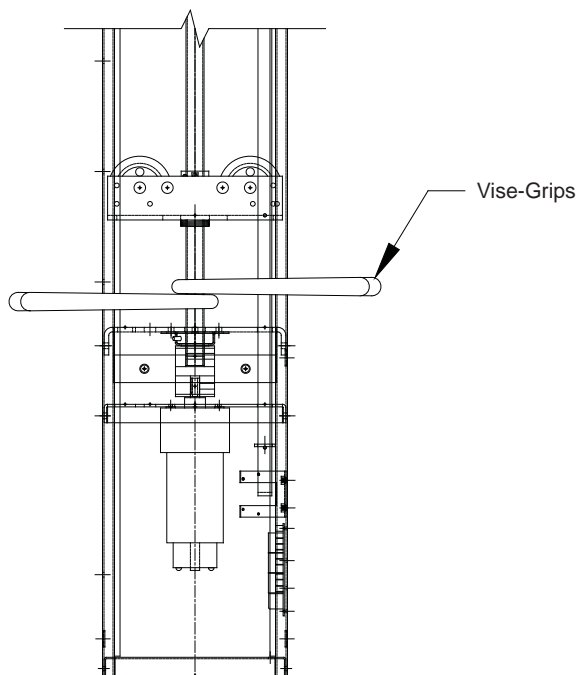
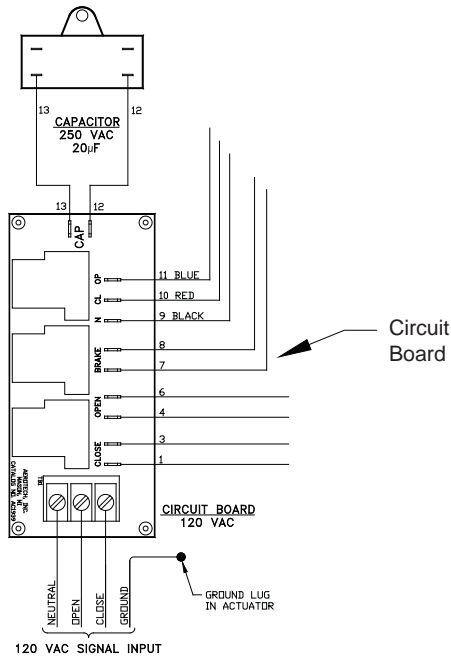


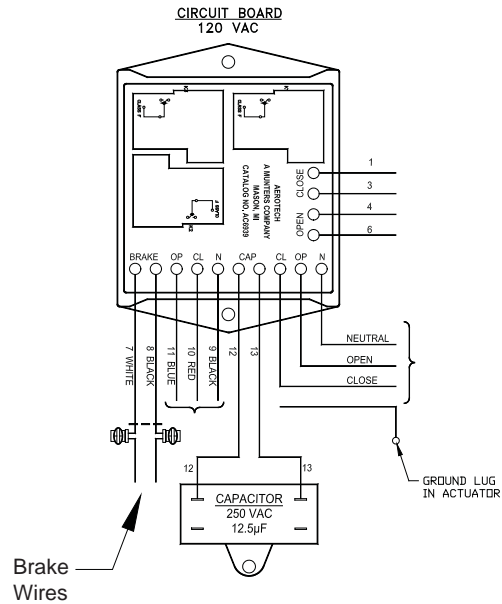
Figure 1

Step 2

For Machines Manufactured Before August 2005, Remove wires 7 and 8 for the brake from the circuit board. **For Machines Manufactured After August 2005,** Cut wires 7 and 8 as close to the scotchlok connector as possible. **See Figure 2A and 2B.**



Figures 2A
Before August 2005



Figures 2B
After August 2005

Step 3

Remove the brake from gearmotor using a short screwdriver. Remove the shaft key and the hex shaped block from the shaft using an 1/8" allen wrench to loosen the setscrews. The order of this step will depend on the age of machine. **See Figure 3A and 3B.**

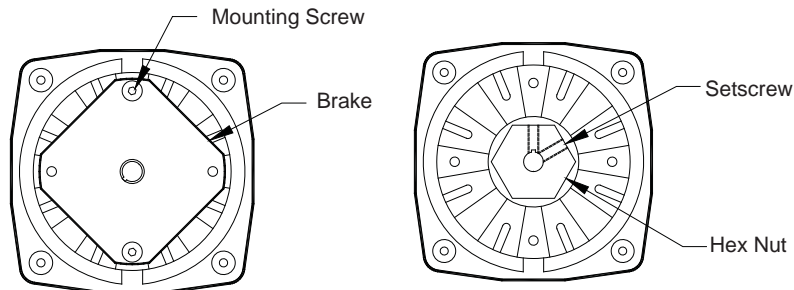


Figure 3A

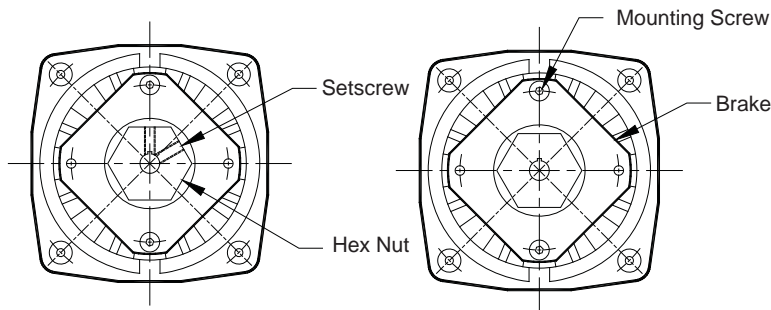


Figure 3B

Step 4

Clean any dust or debris from gearmotor. Install (4) Stand-offs [A] into (4) holes. These should be at 3, 6, 9 & 12 o'clock positions. Finger tighten, DO NOT use tools to tighten. **See Figure 4.**

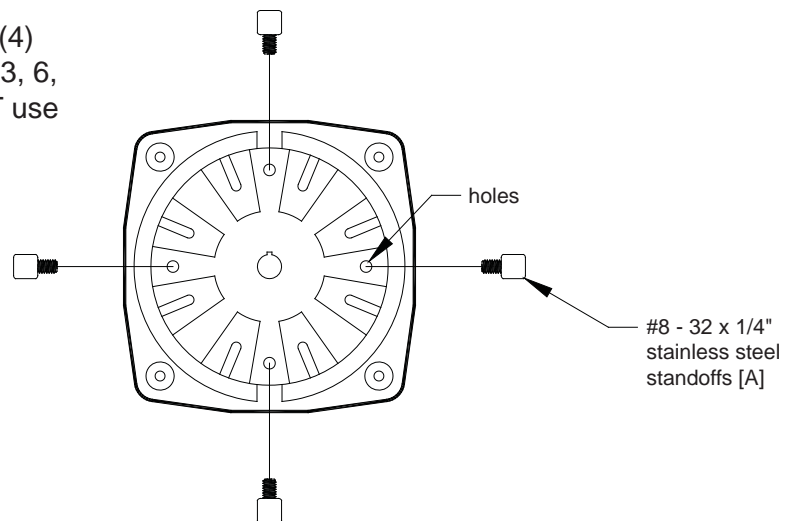


Figure 4

Step 5

Using a short phillips screwdriver, mount the new brake using (4) Screws and Splitlocks [B] & [C] (provided). The screws should thread into the standoffs installed in Step 4.

See Figure 5.

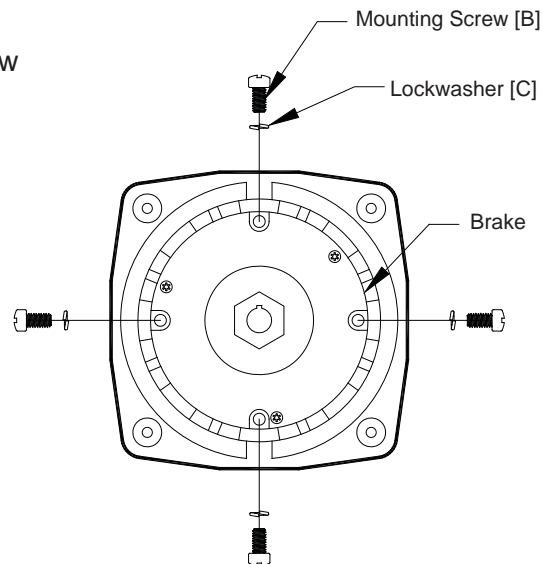


Figure 5

Step 6

Slide the hex nut onto motor shaft and align to the hex shape in the brake pad. Position ball plunger of hex nut in line with brake pad. Align set screws so each is on either a flat of shaft or key slot of shaft. Tighten set screws. **See Figure 6.**

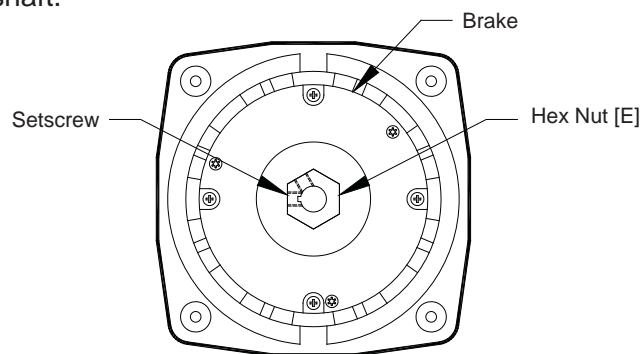


Figure 6

Step 7

For Machines Manufactured before August 2005,
Crimp (1) Terminal [F] on to the end of each brake wire. Reconnect brake wires to circuit board, as it was connected before.

For Machines manufactured after August 2005.
Connect each brake wire to the brake wires on the circuit board using (1) Connector [G] for each wire.
See Figure 7.

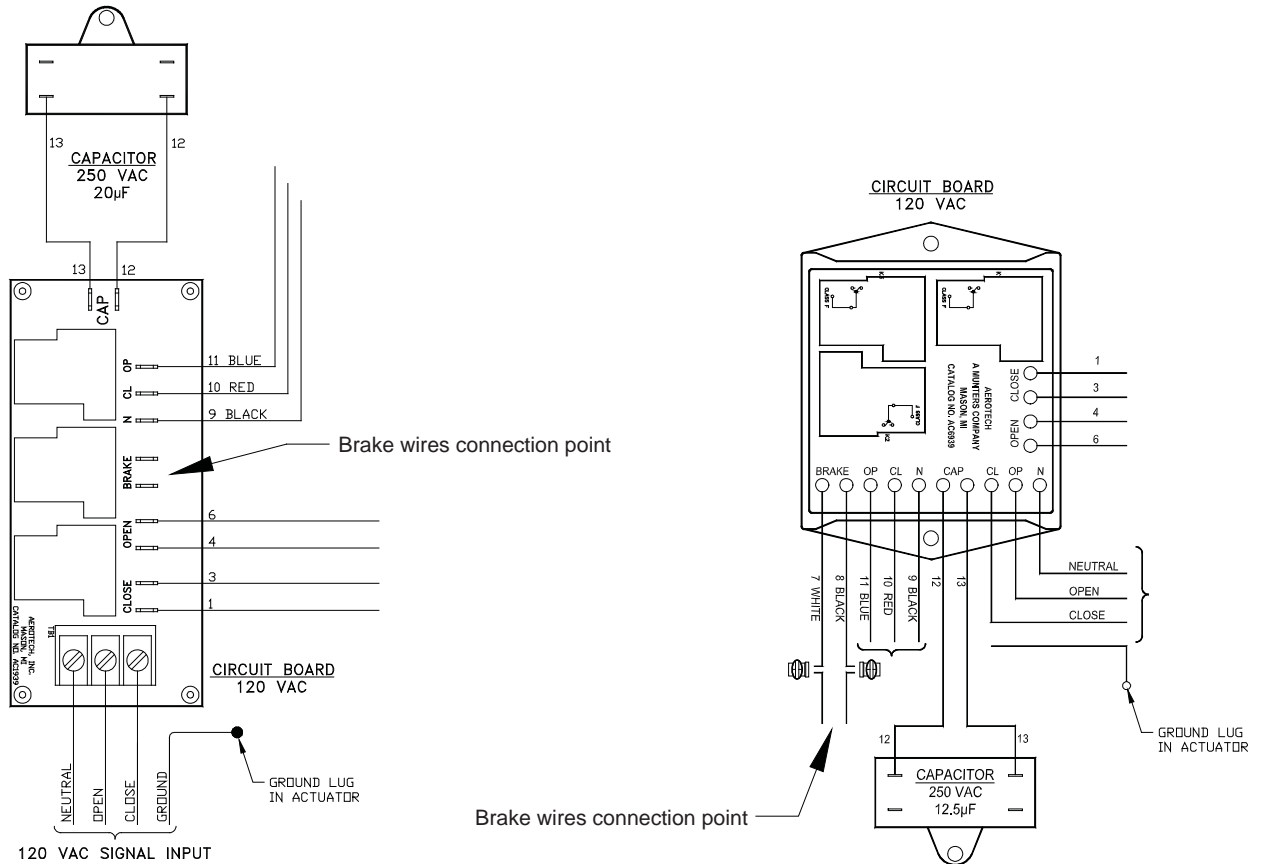


Figure 7