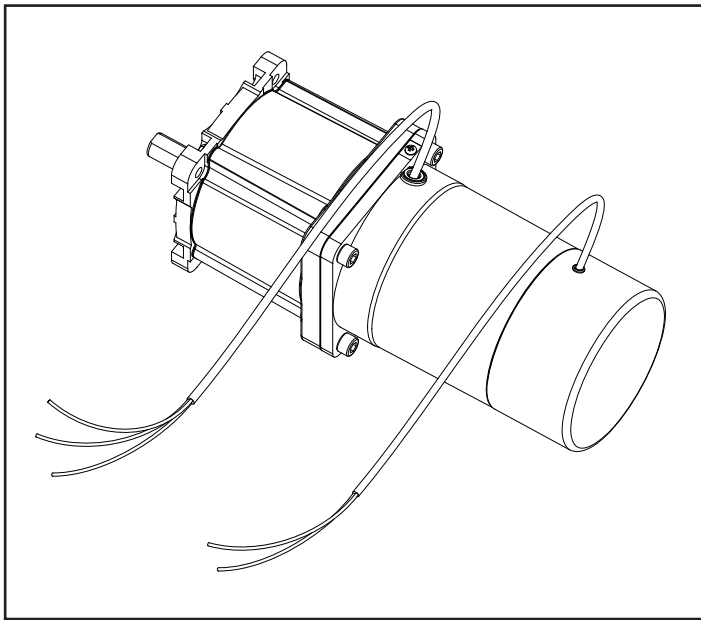


# Instruction Manual



## Aerotech Curtain Machine Motor Replacement

## BA4000 Series Curtain Machine

Motor Replacement Kit

Models: AC1436 • AC1437



# BA4000 Series Curtain Machine

## Motor Replacement Kit

### Instructions for Use and Maintenance

#### Thank You:

Thank you for purchasing a Munters Curtain Machine. Munters 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 Munters product 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 [Munters Corporation office at 1-800-227-2376](http://www.munters.com) or by e-mail at [aghort.info@munters.com](mailto:aghort.info@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 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.

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# Installation

# 1.

## 1.1 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 your freight carrier.

## 1.2 Installation

Disconnect or turn off power to actuator before proceeding. Before starting installation of new gearmotor, either remove the load from the BA4000 or clamp vice-grips on the ball screw to keep the screw from turning during installation.



### Step 1

Remove the (4) screws holding the existing motor in the BA4000 and save for reuse. Remove the motor with coupler from BA4000. Loosen set screw to remove coupler from motor shaft and save coupler for reuse. When the 2 halves of the coupler comes apart be sure not to drop or lose the Spider Insert as it will be reused. See Figure 1.

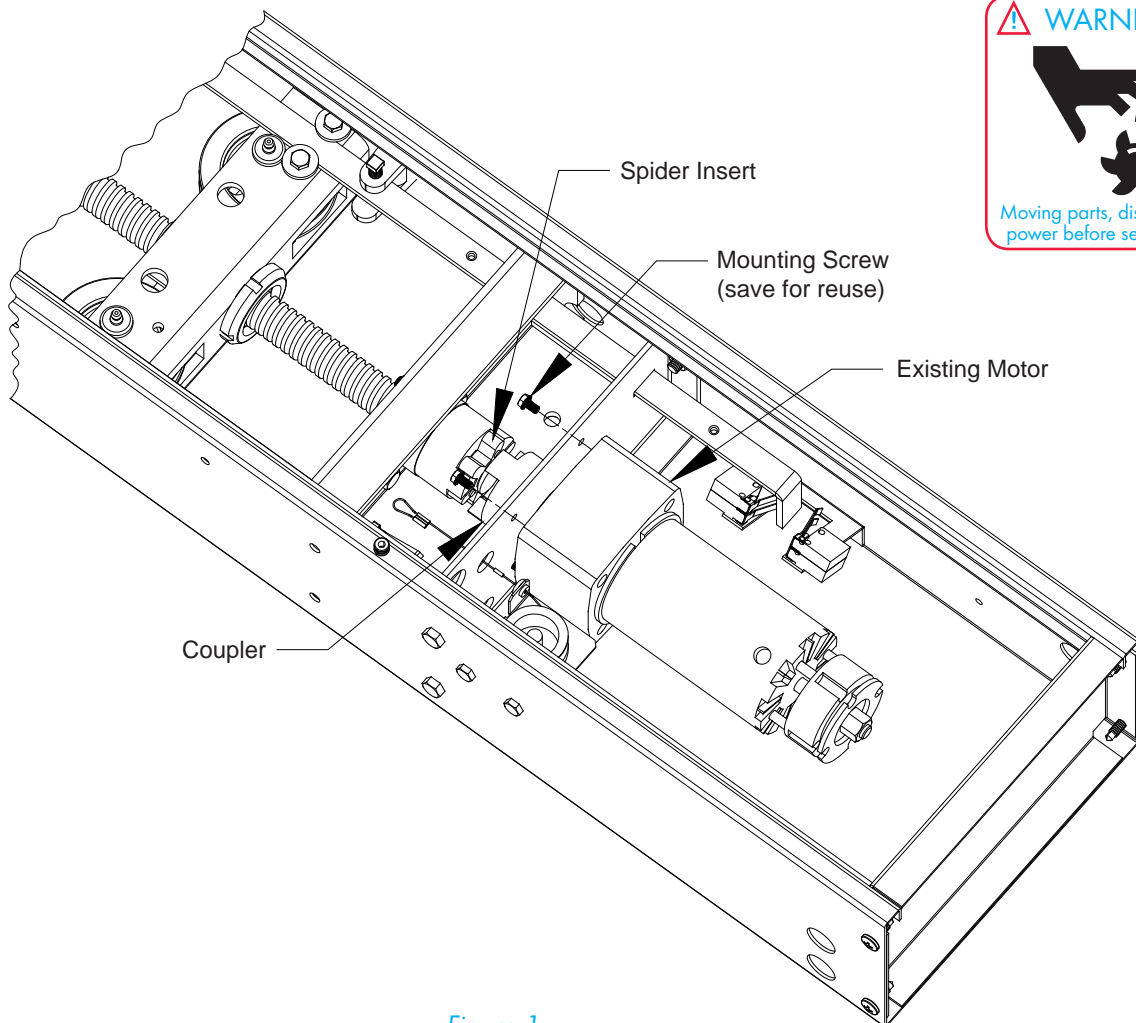


Figure 1

Step 2

Disconnect Motor from Circuit Board by cutting the 5 wires running from the Motor to the Circuit Board on the Circuit Board side of the ScotchLok Connector. See Figure 2.

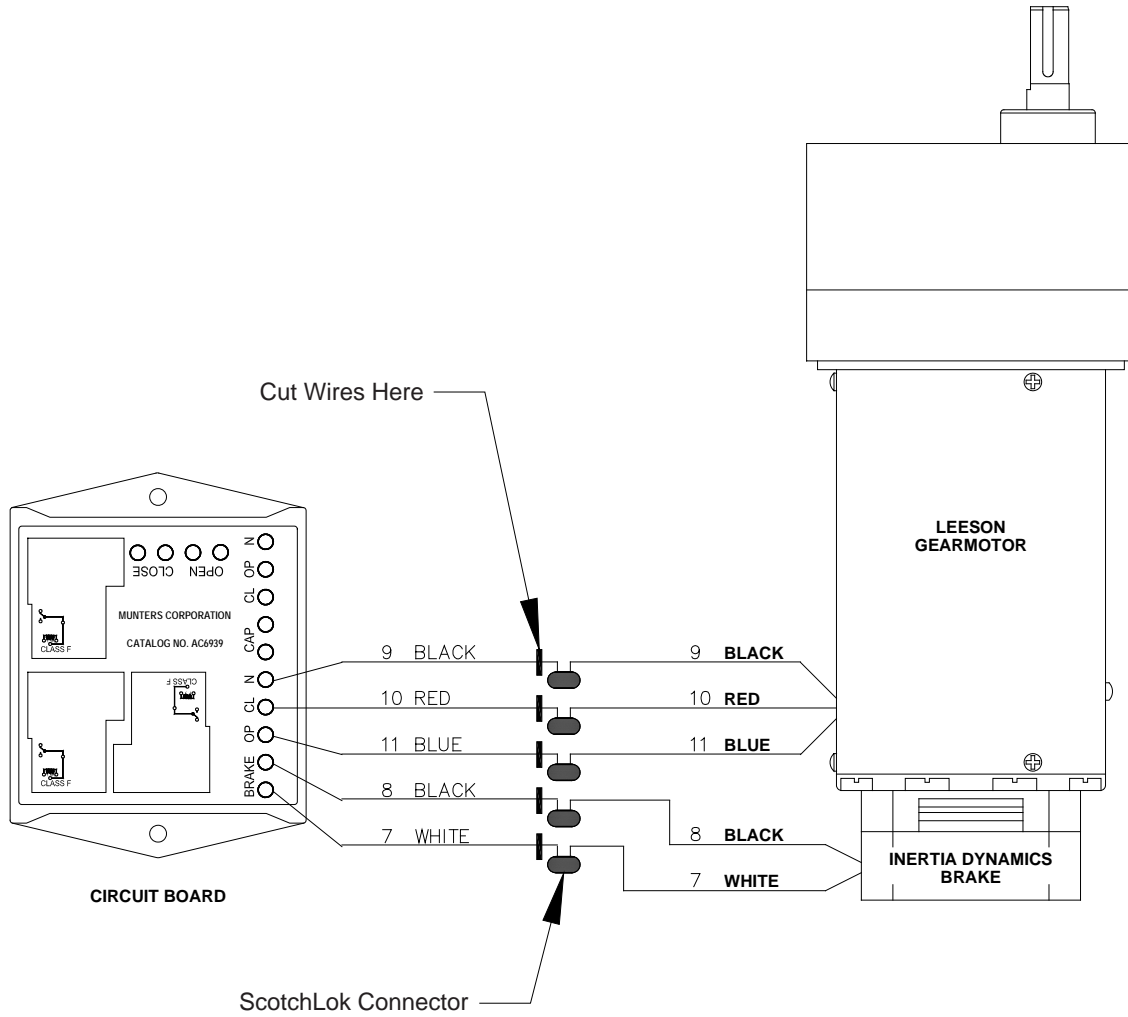
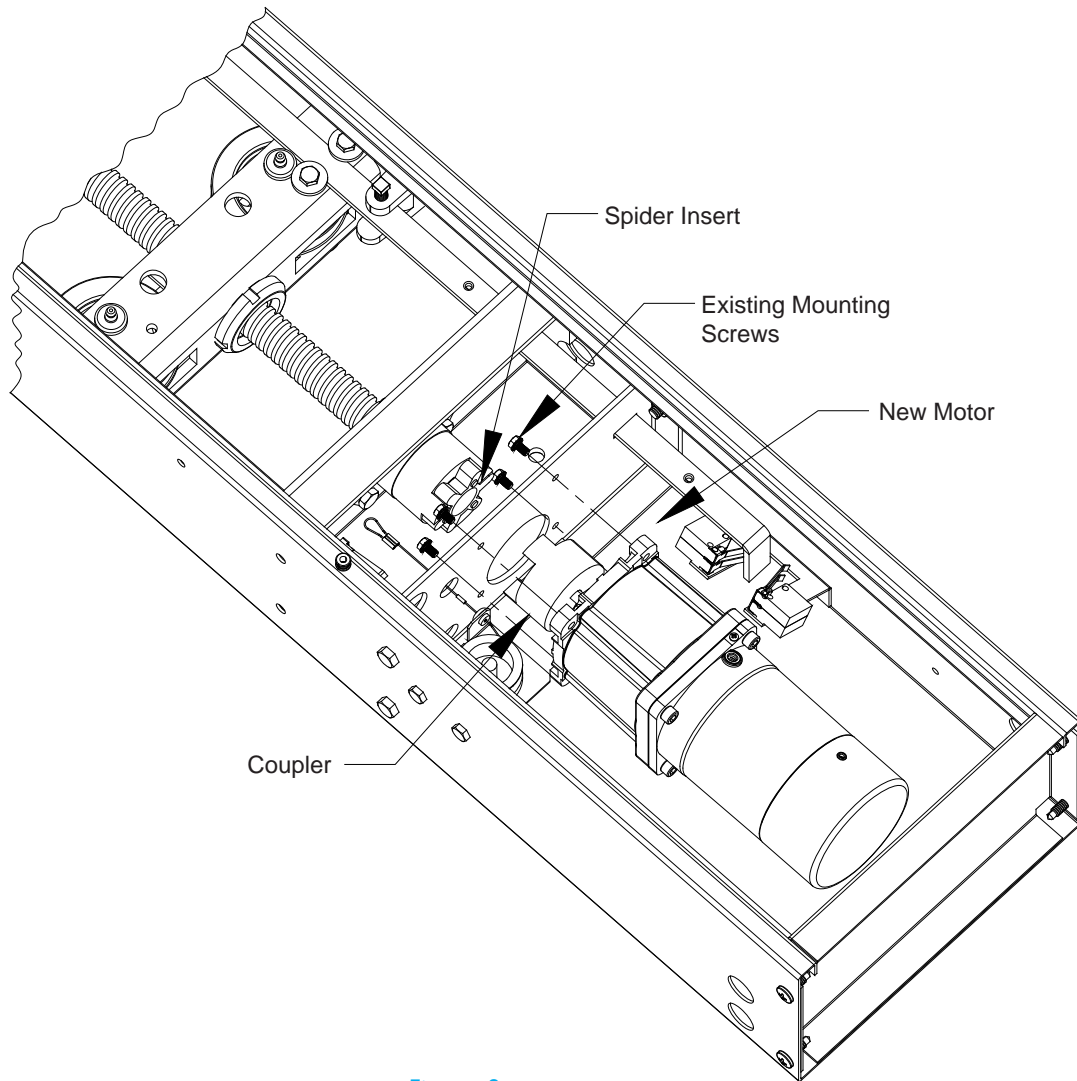


Figure 2

**Step 3**

Install existing Coupler on shaft of new Motor, but do not tighten set screw. Install new Motor into BA4000 by inserting the shaft with coupler through the Lower Bulkhead and nest the Couplers and Spider Insert together. Fasten new Motor to Lower Bulkhead using the (4) screws removed previously. Make sure the 2 Couplers and spider insert are nested together properly and tighten set screw. [See Figure 3.](#)



**Figure 3**

**Step 4**

Connect new Motor to Circuit Board by connecting the 5 wires from the Motor to the 5 wires from Circuit Board together using ScotchLok Connectors. Be sure to match wire numbers together from motor to circuit board. [See Figure 4.](#) **DO NOT STRIP THE INSULATION FROM THE WIRES.** See [Step 5](#) for ScotchLok installation.

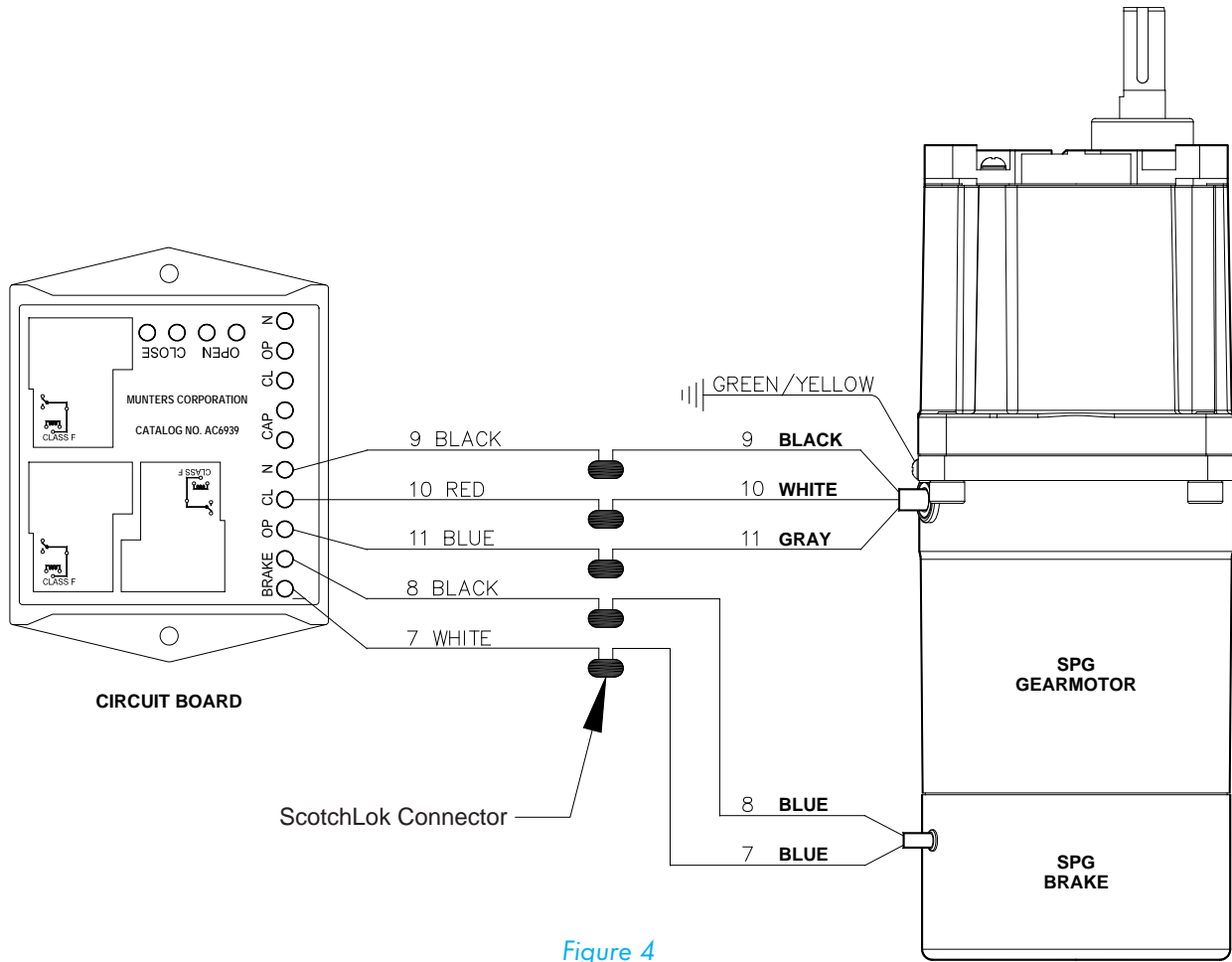


Figure 4

**Step 5**

Slide two matching wires into the ScotchLok connector and use pliers to push the blue plug to secure (small channel-locks works the best). Be sure top blue plug is flush with all sides of connector to ensure proper electrical connection. See Figure 5.

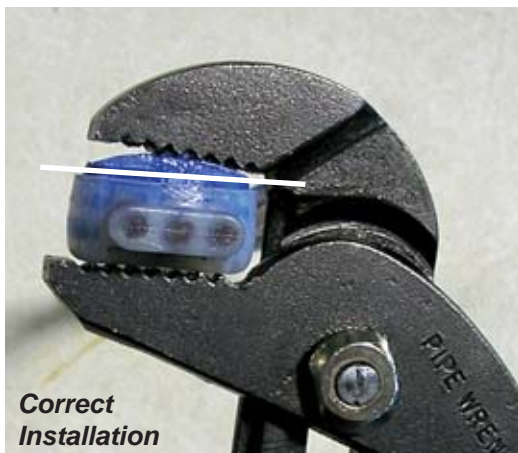
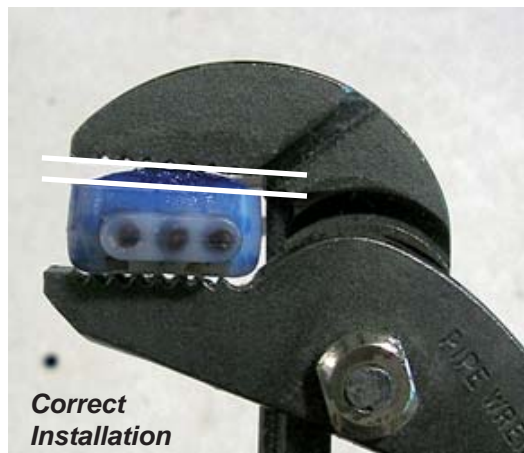


Figure 5



Installation is now complete. The load can now be reconnected to the BA4000 or the vice-grips can be removed. Turn power back on.

BA4000 Motor Replacement Kits are developed and produced by Munters Corporation, Lansing, Michigan U.S.A. 1-800-227-2376



Munters Europe AB, Isafjordsgatan 1, P.O. Box 1150, SE-164 26 Kista, Sweden. Phone +46 08 626 63 00, Fax +46 8 754 56 66.

Munters Corporation 2691 Ena Drive Lansing, MI 48917 U.S.A. Phone +1 800-227-2376, Fax +1 517-676-7078

[www.munters.us](http://www.munters.us)

**Australia** Munters Pty Limited, Phone +61 2 6025 6422, **Brazil** Munters Brasil Industria e Comercio Ltda, Phone +55 41 3317 5050, **Canada/US** Munters Corporation Lansing, MI Phone +1 517 676 7070, **China** Munters Air Treatment Equipment (Beijing) Co. Ltd, Phone +86 10 80 481 121, **Denmark** Munters A/S, Phone +45 9862 3311, **India** Munters India, Phone +91 20 3052 2520, **Indonesia** Munters, Phone +62 818 739 235, **Italy** Munters Italy S.p.A., Chiusavecchia, Phone +39 0183 52 11, **Japan** Munters K.K., Phone +81 3 5970 0021, **Korea** Munters Korea Co. Ltd., Phone +82 2 761 8701, **Mexico** Munters Mexico, Phone +52 818 262 54 00, **Russia** Munters AB, Phone +7 812 448 5740, **Singapore** Munters Pte Ltd., Phone +65 744 6828, **South Africa and Sub-Sahara Countries** Munters (Pty) Ltd., Phone +27 11 997 2000, **Spain** Munters Spain S.A., Phone +34 91 640 09 02, **Sweden** Munters AB, Phone +46 8 626 63 00, **Thailand** Munters Co. Ltd., Phone +66 2 642 2670, **Turkey** Munters Form Endüstri Sistemleri A.Ş, Phone +90 322 231 1338, **USA** Munters Corporation Lansing, MI Phone +1 517 676 7070, **Vietnam** Munters Vietnam, Phone +84 8 3825 6838, **Export & Other countries** Munters Italy S.p.A., Chiusavecchia Phone +39 0183 52 11