



**ZEE Systems, Inc.**

***SERVICE LETTER 47-003-1***

1.0 EFFECTIVITY: All aircraft using the SZ7411FB, SZ7411FB (MOD A) and 2807-516-051 Blower Motors.

2.0 PURPOSE: These motors have dual shafts. This letter provides instructions to make a one shaft motor from the dual shaft motor in the field. The evaporator has two blowers, the SZ47-003-2A Blower requires a motor that turns clockwise (CW) and the SZ47-003-1A motor requires a motor that turns counter-clockwise (CCW). Providing a motor with dual shafts, one side turning CW and the other turning CCW, allows spares to stock only one motor for either application. Rotation of the motor is determined by looking at the shaft to be used.

3.0 COMPLIANCE: Compliance is required when using the dual shaft motor in a single shaft application.

4.0 APPROVALS: No additional approvals are required.

5.0 WEIGHT AND BALANCE: No effect from original design.

6.0 ELECTRICAL LOAD OR PERFORMANCE DATA: No effect from original design.

7.0 SPECIAL TOOLS: None

8.0 MAN POWER REQUIREMENTS: Estimated time is 0.5 man hours.

9.0 INSTRUCTIONS: Determine which shaft rotation (CW or CCW) is required.

Determine which motor shaft provides the required rotation.

Cut off the opposite motor shaft as close to the housing as possible. Take precautions to insure that metal shavings do not contaminate the inside of the motor. See FIG. 1.

After the shaft has been cut see Section 12.0 for marking instructions.

10.0 REFERENCE MATERIAL: For downloadable documents visit:

[www.zeeco-zeesys.com/Zee\\_Systems\\_Publications.htm](http://www.zeeco-zeesys.com/Zee_Systems_Publications.htm)

SL47-003-2

SL47-003-3

SL47-003K

SIL47-003B

11.0 TESTING: Run the motor. Apply 28 VDC to each speed. Check for excessive vibration and excessive noise. This is a high torque motor. Make sure the motor is secured in and appropriate device before you apply power.



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12.0 IDENTIFICATION: After the shaft has been cut to the proper rotation, on the motor I. D. Plate at the end of the part number mark as follows:

Motors with a clock-wise (CW) rotation mark **-2**.

Motors with CCW counter clock-wise (CCW) rotation mark **-1**.

13.0 RECORDS: Complete appropriate documents as required by governing civil aviation authority.

14.0 MATERIAL COST and AVAILABILITY: For Price and Delivery contact:

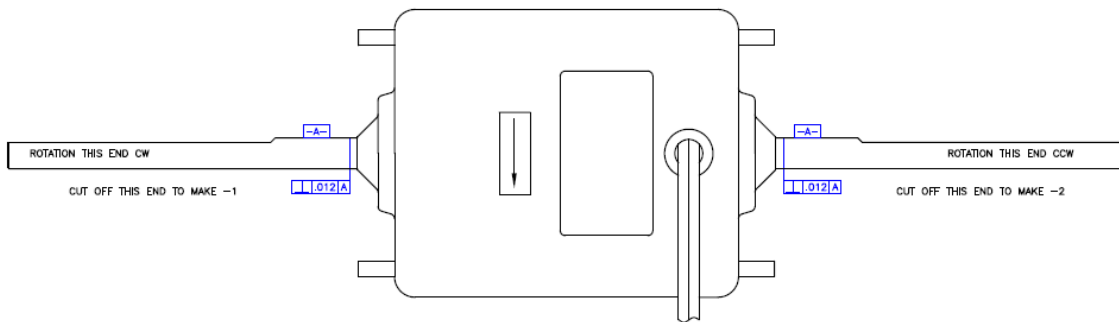
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T 800-988-2665

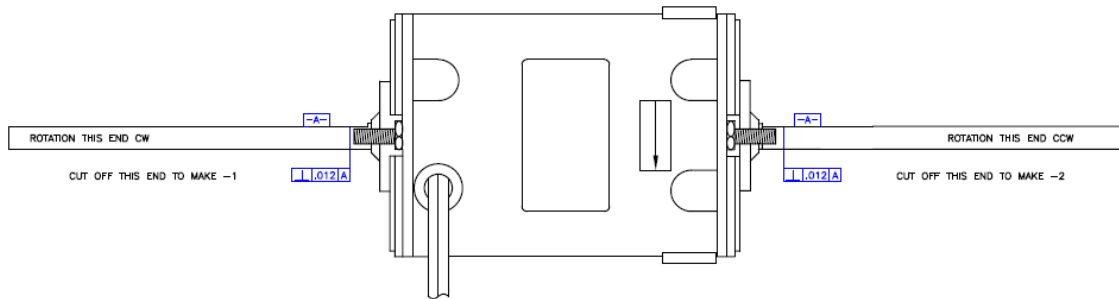
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SZ7411FB AND SZ7411FB MOD A



2807-516-051

FIG. 1