

# Cyclone Avionics Blower

**Part Number: CRB-6457 12 VDC  
CRB-122253 24 VDC**

## TITLE: Cyclone - 21 Avionics Blower Installation Document

REVISION BLOCK				
REV	ZONE	DESCRIPTION OF CHANGES	DATE	APPROVED
Rev-0		Initial Release	8-03-98	JFB
Rev-1		Revised/Added DWg.	12-16-02	JRM/RGS

### STEP 1 UNPACKING:

If the container or product has been damaged, contact Lone Star's customer service representative for assistance.

This package contains the following items.

1. (1) each CYCLONE - 21 FAN.
2. (2) each air outlet port covers.
3. (6) Mil-Spec Cable Ties.
4. (1) Installation document.

**Note: Use Lone Star Aviation's FAA-PMA'd 5/8 in. Tubing Part Number LS03-04000.**

### STEP 2 READ THESE INSTRUCTIONS:

Read this instructions sheet thoroughly, if you have any questions please call your Lone Star Aviation service representative for clarification.

### STEP 3 INSTALLATION PROCEDURES:

The Cyclone-21 avionics cooling fan was designed to deliver ambient supplied air to (3) individual pieces of electronic equipment. If less than (3) outlet ports are used, install the the included rubber manifold port covers to the unused outlet ports. The Cyclone fan should be mounted as close as possible to the electronic equipment needing forced air cooling. The Cyclone fan can be mounted at any angle, use the appropriate hardware and check the air inlet to the Cyclone fan body making sure it is un-obstructed.

### STEP 4 INSTALLATION OF TUBING:

Attach Lone Star Aviation's 5/8 in. FAA-PMA Tubing from the Cyclone's outlet ports to the inlet ports on the electronic equipment needing forced air cooling.

Press fit and secure the tubing in place on each port, attach and lock the included cable tie after alignment.

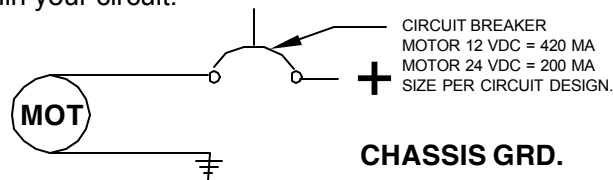
### STEP 5 WIRING INSTALLATION PROCEDURES:

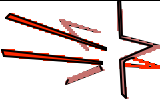
Connect the Red wire to the appropriate 12 or 24 VDC source. Attach the BLACK wire to DC Ground, use the appropriate circuit breaker within your circuit.

### NOTE:

**I. This part should be installed in accordance with CFR-14 PART 43 and AC 43.13.1B.**

**II. FAA-PMA Approved  
RTCA-DO-160D Tested**



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APPROVALS	DATE	TITLE	
DRAWN BY JR MANTOS	12-16-02	Cyclone Blower Installation	
APPROVED BY RGS	12-16-02	SIZE	DRAWING NO. CRB6457-05
NEXT ASSY.		SCALE	COMP. FILE
			SHEET 1 OF 1