



Cub Crafters, Inc. Considers Compliance Mandatory

EFFECTIVE DATE: This Service Bulletin is effective **February 25, 2011.**

SUBJECT: AGM BATTERY REPLACEMENT

MODELS AFFECTED: CC11-160 S/N 00147 THRU S/N 00153

COMPLIANCE TIME: AS SOON AS PRACTICAL AFTER RECEIPT OF NEW BATTERY SUPPLIED BY CUB CRAFTERS (OWNER/OPERATOR TASK)

CONTINUED INSPECTION: INSPECT IAW AIRCRAFT POH AND MAINTENANCE MANUAL.

PURPOSE: BATTERY INSTALLED IN AIRCRAFT HAS BEEN FOUND TO BE BELOW CUB CRAFTERS' QUALITY STANDARDS.

WARRANTY: BATTERY AND SHIPPING PROVIDED AT NO CHARGE.

PARTS LIST:

PART NUMBER	DESCRIPTION	QTY
SP91001-101	12 VDC 12Ah Battery (200CCA)	1

INSTRUCTIONS:

PREPARING BATTERY FOR INSTALLATION

- Stand the battery on a level surface and remove sealing sheet.
- Take the shrink wrapping off the electrolyte container and remove strip of caps from battery.

NOTE:
Do not pierce or peel the sealed feeders.

- With the electrolyte container upside down, place it into the battery, matching the six sealed feeders with the six filler ports in the battery. **PRESS DOWN STRONGLY** until the seals break; the electrolyte should begin flowing into the battery.

NOTE:
Do not tilt the electrolyte container.

- Make sure you see air bubbles rising from the six filler ports. Leave the container in this state for at least 20 minutes.

NOTE:
If air bubbles do not begin to rise, pat the bottom of the container two or three times.
DO NOT REMOVE the container from the battery.

- Be sure the container is completely empty of electrolyte, and then slowly pull the container out of the battery.

NOTE:
The acid will have been completely absorbed by the separator and plates in the battery. There will be no flowing acid in the battery.

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6. Fit the strip of caps tightly into the filler ports of the battery. Make sure the strip sits flush with the top of the battery.
7. Never attempt to remove caps.
8. To charge the battery, use a 12 volt, 1 amp motorcycle battery charger at the correct rate to suit your specific battery model, as indicated. If the battery becomes very hot to the touch, cease charging and allow battery to cool down.

CAUTION:
These batteries are a sealed maintenance free construction, which means:
NEVER ADD WATER.

9. Initial charge time is 14 hours at 1 amp
10. These charging rates are recommended for the first initial charge.
11. Allow battery to sit 1-2 hours before checking voltage reading. Voltage readings should be 12.8 TO 13.0 volts

REMOVAL AND INSTALLATION OF BATTERY FROM AIRCRAFT

1. Tilt the front seat forward by removing the T-handle quick release pins located on each side of the front seat. Once these are removed, slide the seat all the way forward and tilt the seat up. See Figure 1.



Figure 1 - FRONT SEAT TILTED FOWARD

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2. With access to the battery, disconnect the negative cable first. Using a #2 Phillips screwdriver or a 3/8 socket, remove the attaching cable bolt. Push the cable to the side as to not contact the battery once it is removed. See Figure 2.
3. Pull back the red terminal cover. Using the same tool, disconnect the positive cable and wire(s). See Figure 2.

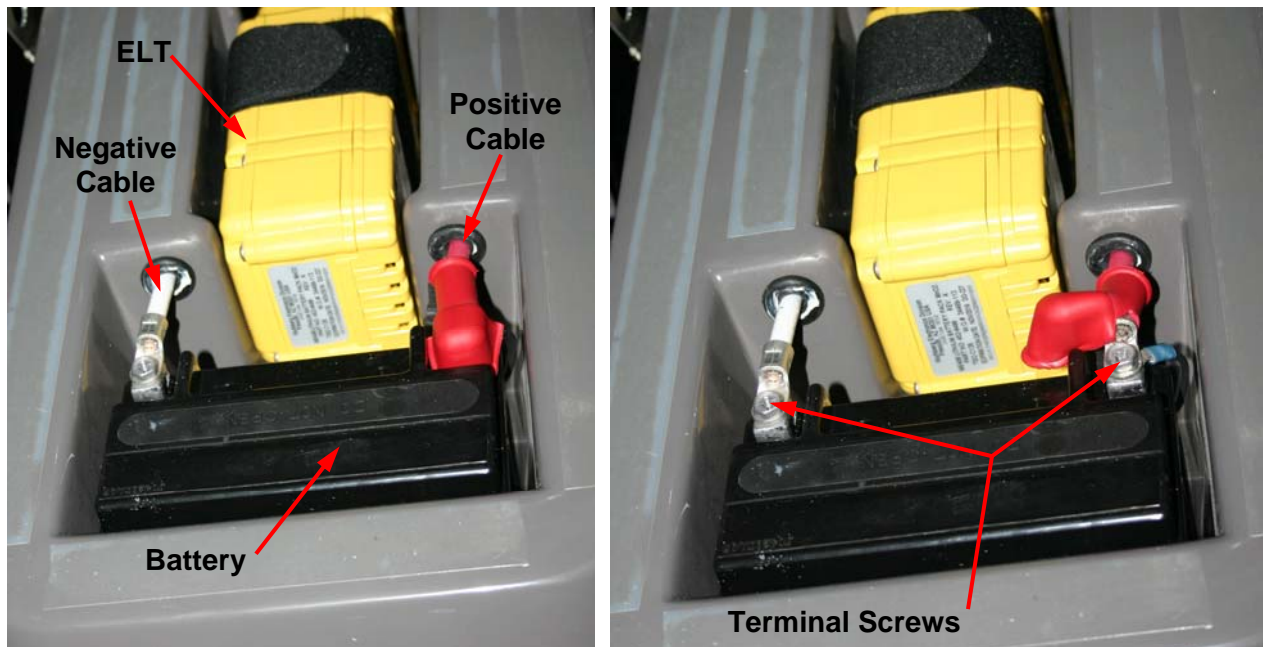


Figure 2 - BATTERY AND CABLE LOCATION

4. Remove the old battery and set it aside.
5. Install the new battery in the seat base. Re-attach the positive cable and wire(s) to the positive terminal; Place red terminal cover over connection. Then, re-attach the negative cable to the negative terminal.
6. Pull the front seat back into position, adjust the seat location, and re-pin with the T-handle quick release pins.

If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify Cub Crafters, Inc. of the address of the current owner at:

1918 S. 16th Avenue
Yakima, WA 98903
1-877-484-7865 or 1-509-248-9491
support@cubcrafters.com

Please include the aircraft registration number, serial number, current name, and address of the owner and/or operator.