
CAS MEMORANDUM M-17-03

DATE: 07/26/17
TO: ALASKA ALL
FROM: DIRECTOR OF MAINTENANCE
RE: AIRCRAFT BATTERY CARE

We've recently had incidents where aircraft batteries have failed to start aircraft in the field. To detour any future battery related AOG issues, the following guidance shall be implemented immediately;

Recordkeeping

Each new battery shall have a historical hard card created during the receiving inspection. Each hard card will include the Battery maintenance log form appendix A of the Concorde Manual 24-30-71 (See Form Attached)

Capacity Checks

Newly installed batteries are good for 12 months from date of install before the initial capacity check. If the battery passes the capacity check above a 90%, subsequent checks must be performed every 6 months. Once the capacity check drops below 90% but above 85% the battery shall be reduced to a 3-month cap check cycle.

NOTE: Any battery reduced to the 3-month cycle cannot be extended back up to a 6-month cycle.

When the capacity check falls below 85% during the 3-month capacity cycles, the battery shall be removed from service.

NOTE: The deep discharge recovery procedure shall no longer be performed on any battery that fails the 3-month capacity check.

Charging

Aircraft are subject to different workloads dependent on flight scheduling. Mechanics are responsibility to care for batteries as applicable.

NOTE: MHI recommends charging the battery on all aircraft a minimum of once a week. Bases with short flight legs and multiple starts will require a stepped-up charging interval as determined by the base mechanic applicable to the operation.

Batteries in storage will be checked and charged every shift change using the Concorde battery charger or the Activator 282 or equivalent in all locations that have spare batteries. These charges will be annotated on the battery using tape. Base mechanics will periodically review charging dates on the battery tags to ensure rotation.

If you have any questions contact Isaac Mackey at 907 452-1197 or Brent Estep at 907-235-7771

Thank you,

Steve Slade
Director of Maintenance



BATTERY MAINTENANCE LOG

Concorde Battery P/N:	Battery S/N:		
Date of Initial Installation:	A/C Hours @ Date of Installation:		
	OCV @ Time of Installation:		V
Aircraft Make:	Model:	S/N:	
1 st Removal Date:	A/C Hours @ Date of Removal:		
Reason for Removal:	Capacity Check	%	Minutes
Date Reinstalled:	A/C Hours @ Date of Reinstallation:		
	OCV @ Time of Reinstallation:		V
Aircraft Make:	Model:	S/N:	
2 nd Removal Date:	A/C Hours @ Date of Removal:		
Reason for Removal:	Capacity Check	%	Minutes
Date Reinstalled:	A/C Hours @ Date of Reinstallation:		
	OCV @ Time of Reinstallation:		V
Aircraft Make:	Model:	S/N:	
3 rd Removal Date:	A/C Hours @ Date of Removal:		
Reason for Removal:	Capacity Check	%	Minutes
Date Reinstalled:	A/C Hours @ Date of Reinstallation:		
	OCV @ Time of Reinstallation:		V
Aircraft Make:	Model:	S/N:	
4 th Removal Date:	A/C Hours Date of Removal:		
Reason for Removal:	Capacity Check	%	Minutes
Date Reinstalled:	A/C Hours Date of Reinstallation:		
	OCV @ Time of Reinstallation:		V
Aircraft Make:	Model:	S/N:	
5 th Removal Date:	A/C Hours @ Date of Removal:		
Reason for Removal:	Capacity Check	%	Minutes
Date Reinstalled:	A/C Hours Date of Reinstallation:		
	OCV @ Time of Reinstallation:		V
Aircraft Make:	Model:	S/N:	
6 th Removal Date:	A/C Hours @ Date of Removal:		
Reason for Removal:	Capacity Check	%	Minutes

MARITIME HELICOPTERS
PUBLICATIONS
ROUTING MEMORANDUM

DATE: 8/1/17

TO: All Mechanics and Pilots

FROM: Records Department

SUBJECT: CAS memo M-17-03

Please complete the verification of receipt below and return this form to the Records Department in Fairbanks via email to faiaadmin@maritimehelicopters.com or by fax to (907)452-4539

BY SIGNING THIS FORM I ACKNOWLEDGE I have reviewed and will comply with the memo listed above

EMPLOYEE SIGNATURE

DATE