



September 7, 2017

RE: Shelf Life for Aero Design, Inc. sealed cell batteries and packs

Sealed cell battery shelf life in a discharged state is indefinite when stored in moderate temperatures (room temperature or less). The Aero Design battery was developed in accordance with FAA Part Manufacturer Approval (PMA) Procedures 8110.42 and is a direct replacement for the Original Equipment Manufacturer (OEM) battery. Storage and shelf life instructions as defined in the OEM Component Maintenance Manuals (CMM) and/or Instructions for Continued Airworthiness (ICA) should be followed for the Aero Design battery.

Nickel cadmium batteries stored in a charged state will self-discharge at approximately .25% per day at 68° F (20° C). Aero Design, Inc does not publish specific service intervals for our battery packs due to the fact that these guidelines are normally found in the OEM CMM. Maintenance schedules may also be found in the airframe manufacturers systems check interval list.

Per FAA Order 8110.42, no additional Instructions for Continued Airworthiness (ICA) are required for the PMA article as long as the Type Certificate (TC) holder's ICA is valid with the PMA article. The TC and/or Production Certificate holder's ICA that are accepted by the FAA are valid for the applicable product(s) (see eligibility) with the Aero Design article installed. Please use the OEM CMM and ICA to maintain the Aero Design battery.

Regards,

Michael Montgomery
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