



September 7, 2017

RE: Shelf Life for Aero Design, Inc. lead acid battery cells

The Aero Design battery was developed in accordance with FAA Order 8110.42 for Part Manufacturer Approval (PMA) 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.

Typical manufacturer specifications for the battery cell allow for the cell to be stored for up to two years at room temperature (25°C or 77°F) and recharged with no loss in cell reliability or performance capabilities. The recharge may be accomplished by following the OEM CMM and/or ICA. When batteries are stored at or near 25°C (77°F) it is recommend conducting a voltage check every twelve months and recharging when the voltage reading approaches 2.00 volts per cell. If storage temperatures are significantly higher than 25°C (77°F), even for short durations, the frequency of voltage audits must be increased.

Aero Design, Inc does not publish specific service intervals for our batteries 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,

A handwritten signature in blue ink, appearing to read "M. Montgomery", is positioned above the printed name.

Michael Montgomery  
General Manager