

1. **Applicability**

All Australian registered aircraft.

2. **Purpose**

This Bulletin is to provide information on voltage regulator settings following a battery modification.

3. **Background**

Anecdotal reports have highlighted the issue of incorrect settings on the voltage regulator following a modification to change a battery from either NiCad to lead acid or lead acid to NiCad. The regulated voltage in each type of battery is significantly different and the Engineering Order or data supplied with a Supplemental Type Certificate provides details on the changes to voltage regulator.

Problems may occur in the future when the starter generator or voltage regulator is changed and the aircraft system is set to the original settings as stated by the aircraft manufacturer. This could result in overcharging of the battery and cause battery damage or damage to the aircraft.

4. **Recommendation**

A placard should be installed near the adjustment point of the voltage regulator advising the type of battery installed and the voltage setting for the system.

5. **Enquiries**

Enquiries with regard to the content of this Airworthiness Bulletins should be made via the direct link e-mail address:

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Or in writing, to:

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