

SERVICE LETTER AT2005-1

September 19, 2005

TO: Owners, Operators and Aero Technologies Service Centers

SUBJECT: Time Between Overhaul (TBO) Specifications

MODEL AFFECTED: All PCU5000 and PCU5000-X

SERVICE MANUAL AFFECTED: Maintenance / Overhaul Manual, AT1431299

This service information is to be added to the appropriate Aero Technologies Maintenance Manual until the next manual revision is released.

PROPELLER CONTROL UNIT OVERHAUL AND STORAGE REQUIREMENTS

- 1) Overhaul Requirements –
 - a) Seven calendar years or TBO of the engine on which it is installed, not to exceed 2400 hours whichever comes first, after entering service (engine installation and operation).
- 2) Long Term Storage of Propeller Control Units – The following is applicable to new and overhauled Propeller Control Units prior to entering service (engine installation and operation):
 - a). Storage must be in a clean dry environment, preferably above ground level, in the original shipping carton to minimize exposure to dirt and moisture.
 - b). If storage period exceeds two (2) years, before entering service perform the following inspection:
 - 1). Inspect externally for damage and corrosion. If greater than five (5) years, reseal and test.
 - 2). Test run the Propeller Control Unit on a Propeller Control Unit test bench to verify correct operation and to check for leakage. This must be accomplished by an FAA approved Repair Station in accordance with the Propeller Control Unit Maintenance Manual.
- 3) Sudden stoppage, lightning strike, propeller impact or metal contamination –
 - a) Overhaul before return to service.

Approval: FAA approval has been obtained on technical data in this publication that affects product type design.

To obtain satisfactory results, procedures specified in this service information must be accomplished in accordance with accepted methods and prevailing government regulations. Aero Technologies cannot be responsible for the quality of work performed in accomplishing this service information.