

ICA_110707

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
FOR
HARTZELL HC-B4TN-5F/T10173AN(B,K)-12.5 PROPELLER
ON
HAWKER BEECHCRAFT B100 AIRCRAFT

STC SA02539CH-D

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
New	All	Original Release	11/7/07

NOTE: All changes are indicated by a black vertical line along the left margin.

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Section 1 General Information – Propeller

The Hartzell HC-B4TN-5F/T10173AN(B,K)-12.5 propeller for the B100 King Air is a constant speed, variable pitch propeller, controlled by a governor that is set by the pilot for constant RPM operation. It is capable of feathering and reversing.

Additional propeller information can be found in Hartzell Propeller Owner's Manual 139.

For Product Support contact:

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Section 2 – Ground Handling, Service & Inspection

Airworthiness Limitations

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Secs. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no life-limited components used in the STC installation.

NOTE: STABILIZED GROUND OPERATION IS PROHIBITED BELOW 76% (1520) PROPELLER RPM.

Propeller Inspection

All required maintenance, troubleshooting, inspections, time intervals and procedures are provided in Hartzell Propeller Owner's Manual 139 that is provided with each propeller. Recommended Time-Between-Overhaul (TBO) limits for the STC propeller are also provided in Hartzell Service Letter 61.

Field repair of small nicks and scratches may be performed by qualified personnel in accordance with FAA AC 43-13-1() as well as procedures specified in Hartzell Propeller Owner's Manual 139. Propeller overhaul must be accomplished by an approved Propeller Repair Station.

Section 3 – Propeller Installation & Removal

Refer to the STC Installation Instructions INST_110707 and Hartzell Propeller Owner's Manual 139 for propeller installation and removal procedures. Follow the instructions for a B4TN-5 propeller and the Hawker Beechcraft Service Manual. The installation process for the new STC propeller is identical to the installation of the original Type Certificated propeller.