

ICA_040416, Rev. B

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR
HARTZELL PROPELLER HC-C2YR-1BFP / F7894 ON
TEXTRON / CESSNA 177RG and F177RG AIRCRAFT
STC SA04200CH**

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	4/10/17
A	All	Corrected page numbering	6/14/17
B	3	Corrected spinner description	11/27/17

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

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APPLICABLE MODELS

This STC propeller installation applies to all Cessna 177RG aircraft from serial number 177RG0001 through 177RG1366 and F177RG aircraft from serial number F177RG0001 through F177RG0177 equipped with Lycoming IO-360-A1B6(D) engines.

Introduction - GENERAL DESCRIPTION

The subject STC approves replacement of the original McCauley propeller and spinner models listed in airplane Type Certificate Data Sheets A20CE and A26EU with a model HC-C2YR-1BFP / F7894 on the aircraft models listed in the previous section. A detailed description of propeller construction and function may be found in Hartzell Manual 115N that is supplied with each STC kit.

The information contained in these Instructions for Continued Airworthiness (ICA) supplements or supersedes the information provided in the aircraft service manuals only in those areas listed. When applicable, specific paragraph numbers from the Cessna Service manual are referenced.

Chapter 4 – AIRWORTHINESS LIMITATIONS:

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under 14 CFR §43.16 and §91.403 unless an alternative program has been FAA approved.

There are no new (or additional) airworthiness limitations associated with this equipment and/or installation.

Chapter 5 – TIME LIMITS / MAINTENANCE CHECKS

All required maintenance, inspections, time intervals and procedures are provided in Hartzell Manual 115N (Hartzell Propeller Owner's Manual) provided with each propeller. Recommended Time-Between-Overhaul (TBO) limits for the STC propeller may be found in Hartzell Service Letter HC-SL-61-61Y (available at www.hartzellprop.com).

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Chapter 61 - PROPELLERS

Propeller

The propeller model used for this STC on the applicable aircraft models and serial numbers listed above is HC-C2YR-1BFP / F7894. The STC propeller is a 78" diameter, two-blade, constant-speed propeller with aluminum blades.

The STC propeller is installed in accordance with STC Installation Instructions INST_040416. All required maintenance, inspections, time intervals and procedures are provided in Hartzell Manual 115N (Hartzell Propeller Owner's Manual) provided with each propeller.

Recommended Time-Between-Overhaul (TBO) limits for the STC propeller are provided in Hartzell Service Letter HC-SL-61-61Y. Propeller overhaul must be accomplished by an approved Propeller Repair Station.

Composite Spinner

This STC utilizes a hybrid composite spinner, model number 106848(). The spinner uses an aluminum aft bulkhead and a lightweight, composite, single-piece spinner dome. The spinner dome is supported by a slip-fit, composite forward bulkhead that engages the propeller cylinder. A single row of flush screws attaches the dome to the aft bulkhead. Refer to Hartzell Manual 148 for maintenance requirements and procedures of the composite spinner.

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