

ICA\_121212, Rev. IR

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
FOR  
HARTZELL HC-G2YR-1BFP/F7894-1.5 PROPELLER  
ON CESSNA  
172RG CUTLASS RG AIRCRAFT**

**STC SA03373CH**

**LOG OF REVISIONS**

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	12/12/12

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

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**APPLICABLE MODELS**

This STC'ed propeller conversion applies to all Cessna 172RG aircraft from serial number 172RG0001 through 172RG1191 equipped with Lycoming O-360-F1A6 engines.

**Introduction - GENERAL DESCRIPTION**

The subject STC approves replacement of the original McCauley propeller and spinner models listed in airplane Type Certificate Data Sheet 3A17 with a model HC-G2YR-1BFP/F7894-1.5 on all 172RG models (1980 – 1985). 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 Cessna 172RG Service manual 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 Sections. 43.16 and 91.403 of the Federal Aviation Regulations 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 61 (HC-SL-61-61Y is available at [www.hartzellprop.com](http://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-G2YR-1BFP/F7894-1.5. The STC propeller is a 76.5" diameter, two-blade constant-speed propeller.

The STC propeller should be installed in accordance with STC Installation Instructions INST\_121212. 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 composite spinner, model number 105127( ). The spinner uses a composite 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.

**. For Product Support contact:**

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