

ICA_012317, Rev. IR

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR
HARTZELL PROPELLER (B,D)HC-G2YF-1BFP / F8068+2 ON
CESSNA 180-180J, 182-182P, & F182P AIRCRAFT
STC SA04353CH**

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	11/15/2018

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 180 and 180(A-J) aircraft equipped with Continental O-470-A (S/N 41000 and up) and O-470-(J, K, L, R, or S) engines and Cessna 182, 182A-182P, and F182P aircraft equipped with Continental O-470-(L, R, or S) engines.

Introduction - GENERAL DESCRIPTION

The subject STC approves replacement of the original propeller and spinner models listed in the airplane Type Certificate Data Sheet (5A6, 3A13, or A42EU) with a model (B,D)HC-G2YF-1BFP / F8068+2 on all Applicable Models. 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 applicable Cessna 180 or 182 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 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 (B,D)HC-G2YF-1BFP / F8068+2. The STC propeller is an 82" diameter, two-blade, constant-speed propeller.

The STC propeller should be installed in accordance with STC Installation Instructions INST_012317. 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.

Spinner

This STC utilizes an aluminum spinner as detailed in the table below. The spinner assembly includes an aluminum aft bulkhead and a single-piece spinner dome. The spinner dome is supported by an integral forward bulkhead that engages the propeller cylinder. A single row of screws attaches the dome to the aft bulkhead. Refer to Hartzell Manual 127 for maintenance requirements and procedures of the aluminum spinner.

Airplane Model	Spinner
180, 180A through J	A-2298-2(P)
182, 182A through G	D-4798-2(P)
182H through P	D-4798(P)
F182P	D-4798(P)

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