

INST-012317

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

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	5 Nov 2018

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

FAA Approved



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Date

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ON CESSNA 180 & 182 AIRCRAFT**

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Please read these instructions and the Instructions for Continued Airworthiness before starting installation. If you have any questions regarding installation of this STC, please contact Hartzell Propeller at:

***Phone: (937) 778-4379 or
1-800-942-7767***

E-mail: techsupport@hartzellprop.com

GENERAL

These STC installation instructions provide the necessary information to install a (B,D)HC-G2YF-1BFP/F8068+2 propeller on the Cessna 180 & 182 aircraft. The specific propeller and spinner model are identified for the airplane model in the table below.

Table 1. Propeller and spinner by airplane model

Airplane Model	Propeller Model	Spinner
180, 180A through J	DHC-G2YF-1BFP/F8068+2	A-2298-2(P)
182, 182A through G	BHC-G2YF-1BFP/F8068+2, or, DHC-G2YF-1BFP/F8068+2	D-4798-2(P)
182H through P; F182P	BHC-G2YF-1BFP/F8068+2, or, DHC-G2YF-1BFP/F8068+2	D-4798(P)

It is the responsibility of the installer to verify compatibility of this STC with previously approved modifications installed on the airplane.

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 aircraft equipped with Continental O-470-(L, R, or S) engines.

INSTALLATION INSTRUCTIONS:

1. Remove the original propeller and spinner per the applicable aircraft maintenance manual procedures.

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2. Install the spinner bulkhead on the new propeller hub per Hartzell Owner's Manual 115N using the "Installation of a Metal Spinner Bulkhead on a Propeller Hub" instructions in the "spinner pre-installation" section of the manual.
3. Install new propeller and spinner dome on aircraft in accordance with Hartzell Owner's Manual number 115N. Follow installation instructions for "Installation of "F" Flange Propellers" in Manual 115N. Also reference the Cessna service manual section appropriate to the aircraft S/N and the configuration being modified.
4. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement AFMS_012317 to the existing Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.
5. Revise weight and balance records to show:

Removal of original propeller and spinner

Check equipment list in Pilot's Operating Handbook/FAA Approved Airplane Flight Manual for appropriate propeller weight and moment arm.

Installation of Hartzell (B,D)HC-G2YF-1BFP / F8068+2 propeller and Hartzell spinner:

Weight of propeller and spinner = 61.0 lbs
Moment Arm is unchanged

6. Perform ground engine run for a functional and leak check of the Hartzell propeller installation.
7. Make the appropriate logbook entries and return aircraft to service with FAA Form 337 referencing this STC.
8. Perform a functional check-flight using normal procedures, note maximum RPM setting and adjust governor high-RPM stop if necessary.
9. Post-installation dynamic balance of the propeller/engine combination is recommended, but not required, per Chapter 6 of Hartzell Owner's Manual 115N.

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