

ICA-121319

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR  
HARTZELL (P)HC-C3YF-1RF/F8468A( )-6R OR PHC-C3YF-1RF/F7691( )  
PROPELLER ON CESSNA A188(A, B) AIRCRAFT

STC SA00470AT

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	3/9/2020

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

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**APPLICABLE MODELS**

This STC propeller installation only applies to Cessna A188, A188A, and A188B aircraft equipped with a Continental Motors IO-520-D engine.

**INTRODUCTION**

The subject STC approves replacement of the original approved propeller and spinner models listed in airplane Type Certificate Data Sheet A9CE Revision 28 with an (P)HC-C3YF-1RF/F8468A( )-6R or PHC-C3YF-1RF/F7691( ) on the aircraft listed above.

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. This ICA is organized to match the format of the Cessna Model 188 & T188 series Service Manual.

Current ICA and service letters are maintained and distributed via [www.hartzellprop.com](http://www.hartzellprop.com).

**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.

**SECTION 1: GENERAL DESCRIPTION**

The general description of the aircraft, engine, and systems is unchanged.

With this STC installed, the general description of the (P)HC-C3YF-1RF/F8468A( )-6R or PHC-C3YF-1RF/F7691( ) propellers may be found in Hartzell Propeller Owner's Manual No. 115N.

**SECTION 2: GROUND HANDLING, SERVICING, CLEANING, LUBRICATION, AND INSPECTION**

The ground handling, servicing, cleaning, lubrication, and inspection of the aircraft, engine, and systems are unchanged.

All required maintenance, inspections, time intervals, and procedures for the (P)HC-C3YF-1RF/F8468A( )-6R or PHC-C3YF-1RF/F7691( ) propellers are found in Hartzell Propeller

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Owner's Manual No. 115N. The (P)HC-C3YF-1RF/F8468A( )-6R or PHC-C3YF-1RF/F7691( ) propeller's recommended time-between-overhaul (TBO) is detailed in Hartzell Service Letter HC-SL-61-61Y. Propeller overhaul must be accomplished by a certified propeller repair station with the appropriate rating.

All propeller inspection requirements contained in the Cessna Model 188 & T188 series Service Manual remain unchanged and should be complied with as provided in Section 2.

**SECTION 3 THRU SECTION 12**

NO CHANGE.

**SECTION 13: PROPELLERS AND GOVERNORS**

The Hartzell (P)HC-C3YF-1RF/F8468A( )-6R or PHC-C3YF-1RF/F7691( ) are aluminum three-blade, constant-speed, hydraulically-actuated propellers.

Refer to Hartzell Propeller Owner's Manual No. 115N for information on the function, installation, removal, maintenance, and care of the propeller. Recommended Time-Between-Overhaul (TBO) limits for either STC propeller may be found in Hartzell Service Letter HC-SL-61-61Y (available at [www.hartzellprop.com](http://www.hartzellprop.com)).

This STC utilizes an aluminum spinner assembly, model number C-3535-1P. The spinner uses an aft bulkhead secured to the propeller hub. A spinner dome, with an integral forward bulkhead that slips over the propeller hub when the dome is installed, attaches to the aft bulkhead by a single row of screws. Refer to Hartzell Metal Spinner Maintenance Manual No. 127 for maintenance requirements and procedures for the aluminum spinner.

**SECTION 14 THRU SECTION 20**

NO CHANGE.

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