

INSTALLATION INSTRUCTIONS

FAA STC: SA01463WI

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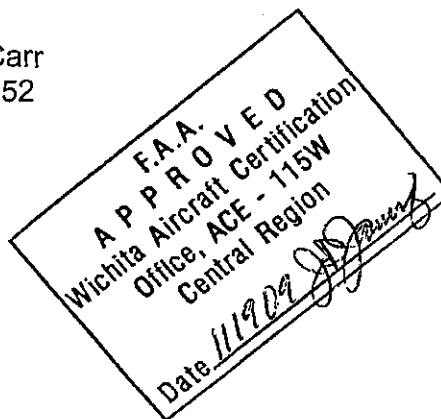
**Installation of Hartzell Propeller
Model PHC-C3YF-2UF/FC7391D(B or K)**

on

**Hawker Beechcraft Corporation
Model 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B airplanes**

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LOG OF REVISIONS

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1.0 INTRODUCTION

This STC replaces the existing propellers and spinners in pairs with the Hartzell, 3-blade, Model PHC-C3YF-2UF/FC7391D(B or K) propeller and Hartzell C-3567-1 or C-3567-1P spinner assembly. The existing governors will be retained.

The Model PHC-C3YF-2UF/FC7391D(B or K) propeller is an aluminum, 3-blade, full feathering, constant speed, counterweighted propeller with a maximum diameter of 75". The pitch change mechanism is hydraulically operated to decrease pitch and mechanically assisted to fine pitch by internal springs and blade counterweights. The propeller can be equipped with or without propeller deice boots. The aluminum spinner can be unpolished/painted or polished.

2.0 INSTALLATION INSTRUCTIONS

CAUTION

Before modifying the airplane, it must be assured that the airworthiness of the airplane is not affected by any prior modification in connection with this modification.

Applicable Manuals

- Hawker Beechcraft Corp. applicable model airplane Maintenance Manual, latest revision.
- Hartzell Propeller Manual No. 115N, latest revision.
- Sky Masters, Inc. FAA Approved Airplane Flight Manual Supplement Doc. No. HPI-55AFM-X latest revision

Removal Instructions

WARNING

Ensure electrical power has been removed from the airplane, and disable the engine start/ignition system.

1. Remove original propellers and spinners per the applicable model airplane Maintenance Manual and/or propeller installation manual.

Installation Instructions

1. Clean the propeller and engine flange. Install two propellers and spinners in accordance with Hartzell Manual 115N. Torque propeller mounting bolts to 70-80 ft-lbs, dry. Torque spinner attach screws to 20-25 in-lbs.
2. Attach Sky Masters, Inc. Airplane Flight Manual Supplement HPI-55AFM-X to existing Airplane Flight Manual.

3. Revise the weight and balance records to show the removal of the original propellers and spinners and the addition of the following equipment at the same moment arm:

ITEM	PART NUMBER	WEIGHT	ARM
Propeller (each)	PHC-C3YF-2UF/FC7391D(B or K)	85.8 lb.	N/C
Spinner (each)	C-3567-1 or -1P	6.0 lb.	N/C

4. Markings or placards associated with other propellers are obsolete and must be removed or permanently covered.
5. Adjustment of the propeller governor speed control lever to 2625 RPM and the rigging of the propeller controls must be conducted according to the applicable model airplane Maintenance Manual and FAA approved Airplane Flight Manual Supplement limitations.
6. Adjustment of the propeller must be conducted in accordance with the Hartzell Propeller Manual 115N.

D. Functional Checks

CAUTION

The propeller may be operated on the ground without the spinner and filler plates installed.
The filler plates must be removed prior to engine start.

1. Restore electrical power and/or enable the start/ignition system per the applicable model airplane Maintenance Manual.
2. Perform engine ground run and verify propeller control requirements are per the applicable airplane model airplane Maintenance Manual. Check for proper propeller function and any oil leakage. Make adjustments as required. After adjustments are completed, perform final safety check of the installation, and safety wire installation as required
2. Perform flight test and make all required log book entries.
3. Revise the airplane equipment list to reflect installation of these propellers.
4. Return aircraft to service with FAA Form 337 referring to installation per STC