

HARTZELL**INSTALLATION INSTRUCTIONS**

Make BEECHCRAFT	Model BONANZA S35 THRU A36	Date: 6-24-2003	Revision: B	Drawing No. 999005
Reference: STC No. <u>SA10135SC</u>	Title: HARTZELL 3-BLADE PROPELLER MODEL NO. PHC-C3YF-1RF/F8068			Page: 1 of 2

REVISION RECORD

REVISION	CHANGE DESCRIPTION	ENGINEER	DATE
-	INITIAL RELEASE	T. BOWDEN	11-11-2002
A	REMOVED MODIFIED A36 FROM ELIGIBILITY.	G. BARNES	03-28-2002
B	ADDED WEIGHT & BALANCE CALCULATION OPTION (step D. 4.) , POLISHED SPINNER OPTION	B. Meyer	06-24-2003

THIS DOCUMENT PROVIDES INSTRUCTIONS AND PROCEDURES FOR THE INSTALLATION OF HARTZELL 3-BLADE PROPELLER MODEL NO. PHC-C3YF-1RF/F8068 IN BEECH BONANZA AIRPLANES.

A. ELIGIBILITY:

RAYTHEON BEECHCRAFT BONANZA MODELS S35, V35, V35A, V35B, 35-C33A, E33A, E33C, F33A, F33C, 36 AND A36.

B. NOTES:

- FOR REMOVAL AND INSTALLATION OF PROPELLER, PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE BEECHCRAFT SERVICE MANUAL AND HARTZELL PROPELLER, INC. PROPELLER OWNERS MANUAL NO. 115N, REVISION 5, DATED JANUARY 1999 OR LATER FAA APPROVED REVISION.
- FOR PROPELLER ADJUSTMENT AND OPERATION, FOLLOW THE PROCEDURES OUTLINED IN HARTZELL PROPELLER, INC. PROPELLER OWNERS MANUAL NO. 115N, REVISION 5, DATED JANUARY 1999 OR LATER FAA APPROVED REVISION.

C. PREPARATION:

- CHECK/ VERIFY AIRCRAFT IS ELIGIBLE FOR INSTALLATION OF "8060" SERIES PROPELLER PER SECTION A.
- VERIFY THAT THE PROPELLER TO BE INSTALLED CONFORMS TO THE LIMITATIONS SHOWN IN TABLE 1.
- REMOVE THE PROPELLER AND SPINNER.

D. INSTALLATION PROCEDURE:

- INSTALL PROPELLER AND SPINNER. (REFER TO TABLE 1)
- ATTACH A COPY OF AMFS999005 AIRPLANE FLIGHT MANUAL SUPPLEMENT TO THE AIRPLANE FLIGHT MANUAL.
- GROUND RUN ENGINE AND ADJUST GOVERNOR.
- WEIGH AIRPLANE AND RECORD NEW EMPTY WEIGHT AND CG LOCATION IN AIRCRAFT LOGS PER FAA AC.43.13-1B. OR REVISE AIRCRAFT WEIGHT AND BALANCE RECORD USING THE PROPELLER AND SPINNER WEIGHT DATA IN TABLE 1 AND THE SAME ARMS/STATIONS AS THE ORIGINAL PROPELLER AND SPINNER.

PROPRIETARY INFORMATION:

THE INFORMATION CONTAINED IN OR DISCLOSED BY THIS DOCUMENT IS CONSIDERED PROPRIETARY BY HARTZELL PROPELLER, INC. THIS DOCUMENT AND THE ITEMS AND INFORMATION CONTAINED OR DISCLOSED HEREIN SHALL NOT BE USED, COPIED, OR REPRODUCED IN WHOLE OR IN PART, NOR SHALL THE CONTENTS BE REVEALED IN ANY MANNER TO ANY PERSON UNLESS WRITTEN PERMISSION IS OBTAINED FROM HARTZELL PROPELLER, INC.

HARTZELL

INSTALLATION INSTRUCTIONS

Make BEECHCRAFT	Model BONANZA S35 THRU A36	Date: 6-24-2003	Revision: B	Drawing No. 999005
Reference: STC No. <u>SA10135SC</u>	Title: HARTZELL 3-BLADE PROPELLER MODEL NO. PHC-C3YF-1RF/F8068			Page: 2 of 2

TABLE 1:

ITEM	MAKE/MODEL	LIMITATIONS
PROPELLER	HARTZELL PHC-C3YF-1RF/F8068 [75 LB.]	MAXIMUM DIAMETER: 82 INCH MINIMUM DIAMETER: 78 INCH PITCH SETTINGS AT 30 INCH STA: Low 12.0' $\pm 0.2'$, High 35.5' $\pm 1.0'$
GOVERNOR	WOODWARD C210452 [3 LB], D210680 [3 LB], D210760 [3 LB] MCCAULEY C290D3-(X) / T23 [3 LB] OR C290D3 - (X) /T36 [3 LB]	
SPINNER ASSY	HARTZELL A-2295-1(P) [4.5 LB] OR A-2295-2(P) [4.5 LB].	

- D. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA):
MAINTAIN PROPELLER IN ACCORDANCE WITH HARTZELL PROPELLER, INC. PROPELLER OWNERS
MANUAL NO. 115N, REVISION 5, DATED JANUARY 1999 OR LATER FAA APPROVED REVISION.

PROPRIETARY INFORMATION:

THE INFORMATION CONTAINED IN OR DISCLOSED BY THIS DOCUMENT IS CONSIDERED PROPRIETARY BY HARTZELL PROPELLER, INC. THIS DOCUMENT AND THE ITEMS AND INFORMATION CONTAINED OR DISCLOSED HEREIN SHALL NOT BE USED, COPIED, OR REPRODUCED IN WHOLE OR IN PART, NOR SHALL THE CONTENTS BE REVEALED IN ANY MANNER TO ANY PERSON UNLESS WRITTEN PERMISSION IS OBTAINED FROM HARTZELL PROPELLER, INC.