



HPB36TC-1A

Revision F, April 16, 2007

**INSTRUCTIONS FOR FIELD INSTALLATION OF
HARTZELL PHC-C3YF-1RF/F8468A(K)-8R PROPELLERS
ON RAYTHEON B36TC (BONANZA) AIRCRAFT**

STC SA00718LA

LOG OF REVISIONS

<u>Revision Number</u>	<u>Revised Page(s)</u>	<u>Description of Revision</u>	<u>Date</u>
A	2	was: "drawing D-6971", now: "drawing D-6971, Revision B" (1 place)	9-9-99
A	3	was: "drawing D-6971", now: "drawing D-6971, Revision B" (5 places)	9-9-99
B	2	was: "drawing D-6971, Revision B", now: "drawing D-6971, Revision C" (1 place)	4-14-00
B	3	propeller weight, was "74.0", now "74.8" was: "drawing D-6971, Revision B", now: "drawing D-6971, Revision C" (5 places)	4-14-00
B	4	propeller weight, was "76.0", now "76.8"	4-14-00
C	2	was: "drawing D-6971, Revision C", now: "drawing D-6971, Revision D" (1 place)	6-11-01
C	3	was: "drawing D-6971, Revision C", now: "drawing D-6971, Revision D" (5 places)	6-11-11
D	2	was: "drawing D-6971, Revision D" now: "drawing D-6971, Revision F" (1 place)	6-9-04
D	3	was: "drawing D-6971, Revision D" now: "drawing D-6971, Revision F" (5 places)	6-9-04
E	2	was: "drawing D-6971, Revision F" now: "drawing D-6971 (latest revision)" (1-place)	10-18-04
E	3	was: "drawing D-6971, Revision F" now: "drawing D-6971 (latest revision)" (5-places)	10-18-04
F	3	Added note to approve use of McCauley de-ice timer with Goodrich de-ice installation.	4-16-07
F	3	Changed "BFGoodrich" or "BFG" to "Goodrich"	4-16-07

FAA APPROVED

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

MAY 02 2007

CHICAGO AIRCRAFT
CERTIFICATION OFFICE
CENTRAL REGION

FAA Approved _____ Date _____

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SECTION 1: Aircraft which are not equipped with a propeller de-ice system

1. Remove original propeller and spinner.
2. Install new propeller and spinner in accordance with Hartzell drawing D-6971 (latest revision), sheets 1 and 2.
3. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPB36TC-2 to existing Beech Airplane Flight Manual.
4. Revise 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:

	Weight (pounds)
Propeller, Hartzell PHC-C3YF-1RF/F8468A-8R	74.8
,and,	
Spinner, Hartzell A-2295-2(P)	4.5

5. Return aircraft to service with FAA Form 337 referencing STC.

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SECTION 2: Aircraft which are equipped with a propeller de-ice system

1. Remove original propeller and spinner.
2. Install new spinner bulkhead on the propellers per Hartzell drawing D-6971 (latest revision), sheet 2.
3. Install propeller de-ice system rotating components on the propellers per Goodrich drawing 5E2663.
4. Install new propeller (with blade boots installed) on the aircraft in accordance with Hartzell drawing D-6971 (latest revision), sheets 1 and 2.
5. Install spinner dome per Hartzell drawing D-6971 (latest revision).
6. Install engine-mounted propeller de-ice equipment per Goodrich drawing 5E2663, which is referenced on Hartzell drawing D-6971 (latest revision).
7. Install Goodrich timer 3E1964-3 in the aircraft cabin per Hartzell Drawing D-6971 (latest revision), sheet 3. All other existing cabin-mounted propeller de-ice components may be retained and used with this STC.

NOTE: If the aircraft was previously equipped with a McCauley de-ice system, the McCauley B45018 de-ice timer can be retained and used with the Goodrich system installed per 5E2663.

8. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPB36TC-2 to existing Beech Airplane Flight Manual.

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Section 2, continued

- 9. Revise weight and balance records to show the removal of the original propeller and spinner and the addition of the following equipment at the same moment arm:

	Weight (pounds)
Propeller, Hartzell PHC-C3YF-1RF/F8468AK-8R	76.8
,and,	
Spinner, Hartzell A-2295-2(P)	4.5

- 10. Return aircraft to service with FAA Form 337 referencing STC.