

HPBE58-1A
Revision I, June 6, 2007

**INSTRUCTIONS FOR FIELD INSTALLATION OF
HARTZELL PHC-J3YF-2UF/FC7663(K)-2R PROPELLERS
ON HAWKER BEECHCRAFT 58, 58A, G58 (BARON) AIRCRAFT**

STC SA5533NM

LOG OF REVISIONS

<u>Revision Number</u>	<u>Revised Page</u>	<u>Description of Revision</u>	<u>Date</u>
A	2	was: "drawing D-6969", now: "drawing D-6969, Revision B" (1 place)	9-9-99
A	3	was: "drawing D-6969", now: "drawing D-6969, Revision B" (5 places)	9-9-99
B	2	was: "drawing D-6969, Revision B", now: "drawing D-6969, Revision C" (1 place)	4-13-00
B	3	Propeller weight, was: "85.0", now "85.8" was: "drawing D-6969, Revision B", now: "drawing D-6969, Revision C" (5 places)	4-13-00
B	4	Propeller weight, was: "87.5", now "88.3"	4-13-00
C	3	Added "Revision E" to drawing 5E2662 callout (2 places).	9-19-00
D	2	was: "drawing D-6969, Revision C", now: "drawing D-6969, Revision E" (1 place)	6-6-01
D	3	was: "drawing D-6969, Revision C", now: "drawing D-6969, Revision E" (5 places)	6-6-01
E	3	Added "Revision G" to drawing 5E2662 callout (2 places).	10-15-03
F	2	was: "drawing D-6969, Revision E", now: "drawing D-6969, Revision F" (1 place)	6-21-04
F	3	was: "drawing D-6969, Revision E", now: "drawing D-6969, Revision F" (5 places)	6-21-04
G	2	was: "drawing D-6969, Revision F", now: "drawing D-6969 (latest revision)" (1 place)	10-18-04
G	3	was: "drawing D-6969, Revision F", now: "drawing D-6969 (latest revision)" (5 places)	10-18-04
H	All	Added "G58" model	4-8-05
H	3	was: "drawing 5E2662, Revision G", now: "drawing 5E2662 (latest revision)" (2 places)	4-8-05
I	3	Added note to approve use of McCauley de-ice timer with Goodrich de-ice installation.	6-6-07
I	All	Change "Raytheon" to "Hawker Beechcraft"	6-6-07

FAA APPROVED

JUN 12 2007

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

CHICAGO AIRCRAFT
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Date _____

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

1. Remove original propellers and spinners.
2. Install new propellers and spinners in accordance with Hartzell drawing D-6969 (latest revision). Two C-3567-1(P) spinners are installed on non-air-conditioned aircraft; two C-3567-4(P) spinners are installed on aircraft equipped with air-conditioning.
3. Verify that the aircraft operating limitations prohibit flight in icing conditions. If they do not, install the following placard in plain view of the pilot: FLIGHT IN ICING CONDITIONS PROHIBITED.
4. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPBE58-2 to existing Airplane Flight Manual.
5. 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, two, Hartzell (PHC-J3YF-2UF/FC7663-2R)	85.8 (each)
,and,	
Spinner, two, Hartzell (C3567-1(P))	6.0 (each)
,or,	
Spinner, two, Hartzell (C3567-4(P))	5.5 (each)
6. Return aircraft to service with FAA Form 337 referencing STC.

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

1. Remove original propellers and spinners.
2. Install new spinner bulkheads on the propellers per Hartzell drawing D-6969 (latest revision).
3. Install propeller de-ice system rotating components on the propellers per Goodrich drawing 5E2662 (latest revision).
4. Install new propellers (with blade boots installed) on the aircraft in accordance with Hartzell drawing D-6969 (latest revision).
5. Install spinner domes and caps per Hartzell drawing D-6969 (latest revision).
6. Install nacelle-mounted propeller de-ice equipment per Goodrich drawing 5E2662 (latest revision), which is referenced on Hartzell D-6969 (latest revision).
NOTE: To install the left nacelle brush block bracket on aircraft equipped with air-conditioning, it is necessary to remove and re-install the air conditioning compressor mounting bracket. Torque crankcase flange nuts (5/16-24) per latest Teledyne Continental Motors Service Bulletin SB96-7.
7. Remove propeller de-ice timer and install BFG timer 4E1964-3 in the aircraft cabin per Hartzell Drawing D-6969 (latest revision). 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 5E2662.
8. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPBE58-2 to existing Airplane Flight Manual.

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SECTION 2: Aircraft which are equipped with a propeller anti-ice system, continued

9. Verify that the aircraft operating limitations allow flight in icing conditions. If they do not, install the following placard in plain view of the pilot: **FLIGHT IN ICING CONDITIONS PROHIBITED.**
10. 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-J3YF-2UF/FC7663-2R) | 88.3 (each) |
| ,and, | |
| Spinner, Hartzell (C3567-1(P)) | 6.0 (each) |
| ,or, | |
| Spinner, Hartzell (C3567-4(P)) | 5.5 (each) |
11. Return aircraft to service with FAA Form 337 referencing STC.