#### HARTZELL PROPELLER INC.

One Propeller Place Piqua, Ohio 45356-2634 U.S.A.



Page 1 of 2

**HP182-NST** 

STC SA09000SC

August 22, 2000

## INSTRUCTIONS FOR INSTALLATION OF HARTZELL BHC-G2YF-1BF/F8468A-2R OR PHC-G3YF-1RF/F7691 PROPELLERS ON CESSNA 182 SERIES AIRCRAFT **LOG OF REVISIONS**

Revision Revised

**Description of Revision** <u>Date</u> **Pages** Number

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

FAA

QVED FAA Approved \_\_\_\_\_

CHICAGO AIRCRAFT

CERTIFICATION OFFICE CENTRAL REGION

#### HP182-NST

#### STC SA09000SC

#### August 22, 2000

# INSTRUCTIONS FOR INSTALLATION OF HARTZELL BHC-G2YF-1BF/F8468A-2R OR PHC-G3YF-1RF/F7691 PROPELLERS ON CESSNA 182 SERIES AIRCRAFT

- 1. Remove original propeller and spinner.
- 2. Install new propeller and spinner in accordance with Hartzell Owner's Manual number 115() and in accordance with the table below:

Aircraft Model	Propeller Model	Required Spinner
182 to 182G	BHC-G2YF-1BF/F8468A-2R	D-4798-2(P)
182H to 182P	BHC-G2YF-1BF/F8468A-2R	D-4798(P)
182 to 182G	PHC-G3YF-1RF/F7691	D-4798-3(P) or D-5732(P)
182H to 182R	PHC-G3YF-1RF/F7691	D-4798-1(P) or D-5732(P)

- 3. Attach Airplane Flight Manual Supplement to existing Airplane Flight Manual.
- 4. Revise weight and balance records to show the removal of the original propeller and spinner (using data provided in the equipment list) and the addition of the new propeller and spinner at a C.G. location 1.0 inch further forward:

Propeller weight, Hartzell BHC-G2YF-1BF/F8468A-2R: 56 pounds
Propeller weight, Hartzell PHC-G3YF-1RF/F7691: 71 pounds
Spinner weight, D-4798(P), D-4798-1(P), D-4798-2(P), D-4798-3(P): 5 pounds
Spinner weight, D-5732(P): 4 pounds

5. Make appropriate logbook entries and return aircraft to service with FAA Form 337 referencing STC.

	F. A. A	
	APPROVED	
FAA Approved	OCT 11 2000	
	OC1 1 1 2000	

CHICAGO AIRCRAFT CERTIFICATION OFFICE CENTRAL REGION

### DEPARTMENT OF TRANSPORTATION DATE: August 22, 2000 FEDERAL AVIATION ADMINISTRATION Page 1 of 1 STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATIONS NAME OF APPLICANT MODEL NO. MAKE TYPE (Airplane, Radio, Helicopter, etc.) Hartzell Propeller Inc. 182, 182A through 182R Airplane Cessna LIST OF DATA TITLE IDENTIFICATION Instructions for Installation of Hartzell BHC-G2YF-1BF/F8468A-2R or PHC-G3YF-HP182-NST, STC 1RF/F7691 Propellers on Cessna 182 Series Aircraft SA09000SC Installation Instructions, dated August 22, 2000. END FEDERAL AVIATION ADMINISTRATION CHICAGO AIRCRAFT CERTIFICATION OFFICE Acknowledges receipt Accepts DER DOAIDAS FAA Approval Approves DER Recommendation PURPOSE OF DATA To approve STC SA09000SC Installation Instructions. APPLICABLE REQUIREMENTS (List specific sections) CAR 3.411(b) CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered XXX have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations. Recommend approval of these data I (XX) therefore Approve these data SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S) **DESIGNATION NUMBER(S)** CLASSIFICATION(S) Power Plant Installation; DERY-405128-CE Flight Analyst