

# INSTALLATION INSTRUCTIONS

## STC

SA01111CH

September 10, 1999

1. Install spinner back plate and damper assembly as depicted in drawing.
2. Torque A-2043 nuts (4) to 28 to 30 foot pounds.
3. Install prop on engine as per Hartzell Propeller Owner's Manual & Log Book, Number 115N Revision 4 dated 10/97 or later revision, provided with propeller
4. Install spinner dome with screws provided with spinner.
5. Follow maintenance instructions and schedule as outlined in Hartzell Propeller Owner's Manual and Log Book, Number 115N Revision 4 dated 10/97 or later revision.
6. Remove any placard referring to RPM.
7. Remark Tachometer as follows  
Green Arc (normal operation range) 1900 to 2550 RPM  
Yellow Arc (Takeoff-5 minutes) 2550 to 2700 RPM  
Red Radial Line (max.permissable) 2700 RPM
8. Perform new weight and balance.
9. Submit FAA Form 337.
10. Make log book entry.
11. Update aircraft equipment list.

F A A  
A P P R O V E D

*cy* JAN 18 2000

CHICAGO AIRCRAFT  
CERTIFICATION OFFICE  
CENTRAL REGION

**HARTZELL PROPELLER INC.**

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



Page 1 of 2

August 17, 2000

**INSTALLATION INSTRUCTIONS**

**STC SA01111CH**

**LOG OF REVISIONS**

<u>Revision Number</u>	<u>Revised Pages</u>	<u>Description of Revision</u>	<u>Date</u>
----------------------------	--------------------------	--------------------------------	-------------

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

FAA Approved \_\_\_\_\_ Date \_\_\_\_\_

August 17, 2000

**INSTALLATION INSTRUCTIONS  
STC SA01111CH**

1. Remove original propeller and spinner.
2. Install spinner bulkhead and damper assembly as depicted in drawing #JH1.
3. Torque A-2043 nuts (4) to 28 to 30 foot-pounds.
4. Install new propeller in accordance with Hartzell Manual 115( ).
5. Install spinner dome.
6. Attach Airplane Flight Manual Supplement to existing Airplane Flight Manual.
7. Remove any placard referring to RPM.
8. Remark tachometer as follows:  
 Green Arc (normal operation range) 1900 to 2550 RPM  
 Yellow Arc (Takeoff – 5 minutes) 2550 to 2700 RPM  
 Red radial Line (max. permissible) 2700 RPM
9. Revise weight and balance records to show the removal of the original propeller and spinner (using data provided in the aircraft equipment list) and the addition of the following equipment:

	<u>Weight</u>	<u>Arm</u>
Propeller, Hartzell HC-C2YR-1BF/F8477-4	55 pounds	Unchanged
Damper, Hartzell C-1576	8 pounds	2.8 inches aft of propeller C.G.
Spinner, Hartzell 835-23P	5 pounds	Unchanged

10. Make logbook entry and update aircraft equipment list.
11. Return aircraft to service with FAA Form 337 referencing STC.
12. Maintain the propeller in accordance with Hartzell Manual 115 and the damper assembly in accordance with Hartzell Service Bulletin 110( ).

FAA Approved \_\_\_\_\_ Date \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION  
 FEDERAL AVIATION ADMINISTRATION  
**STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS**

DATE: August 17, 2000

Page 1 of 1

**AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATIONS**

MAKE  Cessna	MODEL NO.  170A, 170B	TYPE <i>(Airplane, Radio, Helicopter, etc.)</i>  Airplane	NAME OF APPLICANT  Hartzell Propeller Inc.
--------------------	-----------------------------	---	--

**LIST OF DATA**

IDENTIFICATION	TITLE
Installation Instructions, STC SA01111CH, dated August 17, 2000	Installation Instructions, STC SA01111CH  _____ END _____

**PURPOSE OF DATA**

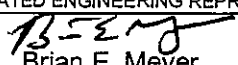
To approve STC SA01111CH Installation Instructions

**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.

I (XX) therefore  Recommend approval of these data  
 Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
 Brian E. Meyer	DERY-405128-CE	Power Plant Installation; Flight Analyst