

ICA\_021913  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
FOR  
HARTZELL HC-C2YR-1BF/F7666A-4 or HC-C2YR-1BFP/F7497 PROPELLER  
ON PIPER PA-24 AIRCRAFT  
STC SA00631CH

LOG OF REVISIONS

| Revision | Revised Pages | Description of Revision | Date     |
|----------|---------------|-------------------------|----------|
| IR       | All           | Original Release        | 02/19/13 |

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

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**Section 1-3 General Information – Propeller**

The Hartzell HC-C2YR-1BF/F7666A-4 or HC-C2YR-1BFP/F7497 propeller for the PA-24 is a constant speed, variable pitch propeller, controlled by a governor that is set by the pilot for constant RPM operation.

|                        |                |
|------------------------|----------------|
| <b>Aircraft Model</b>  | <b>PA-24</b>   |
| Propeller Manufacturer | Hartzell       |
| Type                   | Constant Speed |
| Hub model              | HC-C2YR-1BF    |
| Blade model            | F7666A-4       |

|                        |                |
|------------------------|----------------|
| <b>Aircraft Model</b>  | <b>PA-24</b>   |
| Propeller Manufacturer | Hartzell       |
| Type                   | Constant Speed |
| Hub Model              | HC-C2YR-1BFP   |
| Blade model            | F7497          |

Additional propeller information can be found in Hartzell Propeller Owner's Manual 115N.

**For Product Support contact:**

Address: Hartzell Propeller Inc.  
One Propeller Place  
Piqua, Ohio 45356-2634  
USA

Phone: (937) 778-4379 or  
1-800-942-7767

E-mail: [techsupport@hartzellprop.com](mailto:techsupport@hartzellprop.com)  
Internet: [www.hartzellprop.com](http://www.hartzellprop.com)

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**Airworthiness Limitations**

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Secs. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no life-limited components used in the STC installation.

**Section 2-37 – Propeller Inspection**

All required maintenance, troubleshooting, inspections, time intervals and procedures are provided in Hartzell Propeller Owner's Manual 115N that is provided with each propeller. Recommended Time-Between-Overhaul (TBO) limits for the STC propeller are also provided in Hartzell Service Letter 61.

Field repair of small nicks and scratches may be performed by qualified personnel in accordance with FAA AC 43-13-1( ) as well as procedures specified in Hartzell Propeller Owner's Manual 115N. Propeller overhaul must be accomplished by an approved Propeller Repair Station.

**Spinner Inspection**

Refer to Hartzell Manual 127, for 835-54(P) or 835-58(P) aluminum spinner assembly inspection and maintenance information.

Refer to Hartzell Manual 148 for model 103585( ) composite spinner inspection and maintenance information.

**Section 3-5 – Propeller Installation & Removal**

Refer to Hartzell Propeller Owner's Manual 115N for propeller installation and removal procedures. Reference procedures for "K" and "R" flange propellers.

END