

HP24260-MMS  
Rev. A

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
FOR  
HARTZELL HC-C3YR-1RF/F7590 PROPELLER AND  
HARTZELL 835-52( ) OR 103629( ) SPINNERS  
OR  
HC-E3YR-1RF/F7590 PROPELLER AND  
C-4582() SPINNER  
ON PIPER  
PA-24-260 AIRCRAFT

STC SA288CH

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
A	All	Initial Release – Replaces HP24260-MMS dated December 6, 2002	

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

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APPLICABLE MODELS

This STC'ed propeller and spinner conversion applies to the following aircraft models and serial numbers as follows:

Model	Serial Number	Propeller Model	Spinner
"260, 260B"	24-3642, 24-4000 through 24-4782, and 24-4784 through 24-4803	HC-C3YR-1RF/F7590	835-52(P) or 103629( )
"260C"	24-4783, 24-4804 through 24-5034	HC-E3YR-1RF/F7590	C-4582(P)

Introduction - GENERAL DESCRIPTION

The subject STC approves replacement of the original propeller and spinner models listed in Type Certificate Data Sheet 1A15 for Piper PA-24-260 aircraft with a Hartzell HC-C3YR-1RF/F7590 propeller and Hartzell 835-47(P), or 103629( ) spinner or a Hartzell HC-E3YR-1RF/F7590 propeller with a C-4582( ) spinner . A detailed description of propeller construction and function may be found in Hartzell Manual 115N that is supplied with each STC kit. A detailed description of spinner construction and function may be found in Hartzell Manual 127 for aluminum spinners and Manual 148 composite spinners.

The information contained in these Instructions for Continued Airworthiness (ICA) supplements or supersedes the information provided in the Piper Arrow Service manual only in those areas listed. When applicable, specific paragraph numbers from the Piper Service manual are referenced.

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**Chapter 4 – AIRWORTHINESS LIMITATIONS**

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sections. 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.

**Chapter 5 – TIME LIMITS/MAINTENANCE CHECKS**

All required maintenance, inspections, time intervals and procedures are provided in Hartzell Manual 115N (Hartzell Propeller Owner's Manual) provided with each propeller. Recommended Time-Between-Overhaul (TBO) limits for the STC propeller may be found in Hartzell Service Letter 61 (HC-SL-61-61Y is available at [www.hartzellprop.com](http://www.hartzellprop.com)).

**Chapter 61 – PROPELLERS**

**Propeller:**

The propeller model used for this STC on the applicable aircraft models and serial numbers listed above is HC-C3YR-1RF/F7590 for the PA-24-260 and PA-24-260B models, and the HC-E3YR-1RF/F7590 for the PA-24-260C model.

The STC propeller should be installed in accordance with STC Installation Instructions HP24260-NST. All required maintenance, inspections, time intervals and procedures are provided in Hartzell Manual 115N (Hartzell Propeller Owner's Manual) provided with each propeller. Recommended Time-Between-Overhaul (TBO) limits for the STC propeller are provided in Hartzell Service Letter HC-SL-61-61Y. Propeller overhaul must be accomplished by an approved Propeller Repair Station.

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**Spinner:**

This STC utilizes either an all-aluminum spinner assembly model C-4582(P) or 835-52(P) or a hybrid aluminum-composite spinner, model number 103629( ). The hybrid aluminum-composite assemblies use a composite dome and forward support with an aluminum rear bulkhead or adaptor ring.

Refer to Hartzell Manual 127 for the maintenance requirements and procedures of the aluminum spinner assemblies or Manual 148 for maintenance requirements and procedures of the hybrid aluminum-composite spinner.

**For Product Support contact:**

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