

ICA-060617, Rev. IR

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR
HARTZELL PROPELLER HC-E3YR-1RF/F7693F+2 ON
PIPER PA-32RT-300T, PA-32R-301T, & PA-32-301T AIRCRAFT
STC SA04274CH**

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	14 Feb. 2018

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

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APPLICABLE MODELS

This STC propeller installation applies to all Piper PA-32RT-300T, PA-32R-301T, & PA-32-301T aircraft equipped with Lycoming TIO-540-S1AD engines.

Introduction - GENERAL DESCRIPTION

The subject STC approves replacement of the original approved propellers and spinner models listed in airplane Type Certificate Data Sheet A3SO with a model HC-E3YR-1RF/F7693F+2 on the aircraft listed in the previous section. A detailed description of propeller construction and function may be found in Hartzell Manual 115N that is supplied with each STC kit.

The information contained in these Instructions for Continued Airworthiness (ICA) supplements or supersedes the information provided in the aircraft service manuals only in those areas listed. When applicable, specific paragraph numbers from the Piper Airplane Maintenance Manual are referenced.

Chapter 4 – AIRWORTHINESS LIMITATIONS:

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under 14 CFR §43.16 and §91.403 unless an alternative program has been FAA approved.

There are no new (or additional) airworthiness limitations associated with this equipment and/or 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 HC-SL-61-61Y (available at www.hartzellprop.com).

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Chapter 61 - PROPELLERS

Propeller

The propeller model used for this STC on the applicable aircraft models listed above is HC-E3YR-1RF/F7693F+2. The STC propeller is an 80.0" diameter, three-blade, constant-speed propeller with aluminum blades.

The STC propeller is installed in accordance with STC Installation Instructions INST-060617. 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.

Aluminum Spinner

This STC utilizes an aluminum spinner assembly, model number C-3575(-P). The spinner uses an aft bulkhead secured to the propeller hub. A spinner dome, with an integral forward bulkhead that slips over the propeller hub when the dome is installed, attaches to the aft bulkhead by a single row of screws. Refer to Hartzell Manual 127 for maintenance requirements and procedures for the aluminum spinner.

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