

ICA-010918, Rev. IR

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR
HARTZELL HC-C2YR-1N/NG8301-3 OR HC-C3Y1R-1N/NG8301-5
PROPELLER ON MAULE M()-235() AIRCRAFT
STC SA04320CH**

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	21 June 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 the approved combination of airplanes & engines listed in the following table:

Table 1. Aircraft included in this STC.

Aircraft model	Lycoming Engine Options
M-5-235C M-6-235 M-7-235 M-7-235A M-7-235B M-7-235C MX-7-235 M-8-235	O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, or IO-540-W1A5
MT-7-235	IO-540-W1A5D, IO-540-W1A5 only

INTRODUCTION

The subject STC approves replacement of the original approved propeller and spinner models listed in airplane Type Certificate Data Sheet 3A23 with either an HC-C2YR-1N/NG8301-3 or an HC-C3Y1R-1N/NG8301-5 on the aircraft listed in Table 1, above. A detailed description of propeller construction and function may be found in Hartzell Manual 145 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. This ICA is organized to match the format of the Airplane Maintenance Manual.

Section II – GENERAL MAINTENANCE

At 25 hour total time, at 50 hour total time, and every 50 hours thereafter:

Perform appropriate inspection as called for in the Hartzell Owner's Manual 145.

At 100 hour total time and every 100 hours thereafter, perform the 50 hour inspection plus the following:

Perform appropriate inspection as called for in the Hartzell Owner's Manual 145.

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Section III – MAJOR COMPONENT PARTS

Powerplant System

Propeller

Refer to Hartzell Propeller Owner's Manual 145 for information on the use and care of the 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).

Aluminum Spinner

This STC utilizes an aluminum spinner assembly, model number A-2298-2(P) for the two blade propeller or C-3575(-P) for the three blade propeller. 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.

Airworthiness Limitations Section

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.

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