

SUPPLEMENTAL TYPE CERTIFICATE SA04491CH

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

***INSTALLION OF THE
HARTZELL PROPELLERS
MODELS
HC-()3YF-1RF/F8429()-()***

***Cessna Aircraft
Non-Turbocharged
180, 182, 185 & 206 Model
AIRCRAFT***

Minnis Aviation
9165 Edgewater Drive
Stanwood, MI 49346

Report: M2019-05
Revision: A
Date: 23 Feb. 2021

LOG OF REVISIONS

Rev.	Rev. Date	Reviewed	Affected Pages	Description of Revision	FAA Accepted
IR	29 Oct. 2020	BWM	All	Initial Issue	
A	23 Feb. 2021	BWM	All	As provided for in AC20-180 AML-STC, added Cessna's 180, 182 Modified & 185 /185 stock & modified model aircraft.	

1. INTRODUCTION

This document outlines the compliance with FAR 23.1529 “Instructions for Continued Airworthiness” for Hartzell Propeller models installed on the Cessna non-turbocharger Aircraft models 180 modified, 182 modified, 185 /185 modified and 206 / 206 modified series as listed in Minnis Aviation Installation Instructions M2019-03.

Modification of the Cessna Aircraft with this Supplemental Type Certificate obligates the aircraft operator to include the maintenance information provided by this document in the Operator’s Aircraft Maintenance Manual and the Operator’s Aircraft Scheduled Maintenance Program.

Referenced Documents:

Author	Document Number	Document Title
Minnis Aviation	M2019-03	Installation Instruction
Minnis Aviation	M2019-05	Instruction for Continued Airworthiness
Minnis Aviation	M2019-06	FAA approved Airplane Flight Manual Supplement
Hartzell Propeller	115N (Metal Prop’s)	Operation and Installation Manual

Note: Owner and operators of Hartzell Propeller should contact the Hartzell Propeller dealer, distributor and or authorized Hartzell Propeller Service Shop to obtain the latest information pertaining to Hartzell products.
The list of valid Hartzell Propeller manuals, service bulletins, AD’s and their latest revision can be downloaded from the homepage of Hartzell Propeller (http://www.hartzellprop.com/product_support/index_support.htm). Hardcopies can also be obtaining from Hartzell Propeller.

Hartzell Propeller Inc.
One Propeller Place
Piqua, Ohio 45356
Telephone
(937) 778-4200
Fax
(937) 778-4365

2. DESCRIPTION

The modification removes the existing McCauley, MT or Hartzell constant speed propeller and spinner assembly replacing it with Hartzell Propeller metal propellers HC-()3YF-1RF/F8429()-() constant speed propeller.

3. CONTROL, OPERATION INFORMATION / SPECIAL PROCEDURES

- Control: No change
- Operation: No operation restrictions, previous propeller placard or obsolete.
- Special Procedures: No special procedures, users of this STC should refer to their Aircraft AFM or AFMS.

4. SERVICING INFORMATION

Hartzell Propeller publications contain the information necessary to operate, maintain, and perform scheduled maintenance.

4.1 For Hartzell service literature and revisions, contact:

Hartzell Propeller Inc.
One Propeller Place
Piqua, Ohio 45356

Telephone

(937) 778-4200

Fax(937) 778-4365

- 4.2 The list of valid Hartzell Propeller manuals, service bulletins, AD's and their latest revision can be downloaded from the homepage of Hartzell Propeller Telephone: (937) 778-4299 Fax: (937) 778-4391 (www.manuals@hartzellprop.com) or (Email: manuals@hartzellprop.com).

5. MAINTENANCE INSTRUCTIONS

All required maintenance, inspections, time intervals and procedures are provided in Hartzell Propeller Operation & Installation Manual 115N (metal Prop) or later revisions provided with each propeller.

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 Operation & Installation Manual 115N provided with each propeller.

6. REMOVAL AND REPLACEMENT INFORMATION

The STC propeller should be installed in accordance with STC installation instruction M2019-03 and Hartzell Propeller Operation & Installation Manual 115N provided with the propeller.

6.1 Engine set-up – No change to Airplane Maintained Manual.

6.2 Flight test aircraft with the new propeller, all engine parameters should coincide with those of

stated in the aircraft approved flight manual and or approved flight manual supplements.

7. DIAGRAMS

Refer to Hartzell Propeller Operation & Installation 115N.

8. LIST OF SPECIAL TOOLS

Refer to Hartzell Illustrated Tool and Equipment Manual 165.

9. ADDITIONAL INFORMATION FOR COMMUTER CATEGORY AIRCRAFT

Not Applicable.

10. RECOMMENDED OVERHAUL PERIODS

Recommended time between Overhaul (TBO) limits for the STC propeller are provided in Hartzell Service Letter HC-SL-61-61Y rev. 12 dated 08/16/18 or later approved.

See Table 4, page 17 & 18

11. Airworthiness Limitations

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Parts 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved. There are no mandatory replacement times for any components.

11. REVISIONS

Any revisions to this document will be logged in the Log of Revisions sheet and a copy of the revised document should be distributed as required.

END