

ICA-050923

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR

HARTZELL HC-(C,G,J)3YF-1N/NM8411-()

PROPELLER ON CESSNA AIRCRAFT IN AML-050923

STC SA04643CH

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
IR	All	Initial Release	10/12/2024

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

ICA-050923

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR

HARTZELL HC-(C,G,J)3YF-1N/NM8411-()

PROPELLER ON CESSNA AIRCRAFT IN AML-050923

STC SA04643CH

APPLICABLE MODELS

This STC propeller conversion applies to all aircraft in AML-050923 with the listed Continental engines. No other configurations are approved.

ICA-050923

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR

HARTZELL HC-(C,G,J)3YF-1N/NM8411-()

PROPELLER ON CESSNA AIRCRAFT IN AML-050923

STC SA04643CH

INTRODUCTION

The subject STC approves installation of the HC-(C,G,J)3YF-1N/NM8411-() propeller and appropriate spinner on Cessna aircraft listed in approved model list AML-050923.

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 for the propeller installation. This ICA is organized to match the format of GAMA Specification No. 2 for Airplane Maintenance Manuals (AMMs).

Current ICA and service letters are maintained and distributed via www.hartzellprop.com.

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 for the Hartzell HC-(C,G,J)3YF-1N/NM8411-() propeller are found in Hartzell Propeller Owner's Manual No. 145 (Manual 145). The HC-(C,G,J)3YF-1N/NM8411-() propeller's recommended time between overhaul (TBO) is detailed in Hartzell Service Letter HC-SL-61-61Y. Propeller overhaul must be accomplished by a certified propeller repair station with the appropriate rating.

All propeller inspection requirements contained in the Airplane Maintenance Manuals for Cessna aircraft listed on AML-050923 remain unchanged and should be complied with as provided in Chapter 5. Procedures unique to the composite blade construction are provided in the Inspection and Check section of Hartzell Propeller Owner's Manual No 145 (Manual 145).

Due to the composite construction of the propeller blades, in the event of a lightning strike, in addition to the lightning strike inspection criteria provided in the applicable Airplane Maintenance Manual, refer to Manual 145, Inspection and Check Section Chapter 5,

ICA-050923

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR

HARTZELL HC-(C,G,J)3YF-1N/NM8411-()

PROPELLER ON CESSNA AIRCRAFT IN AML-050923

STC SA04643CH

Special Inspections - Lightning Strike, for detailed information on propeller lightning strike inspection and disposition.

CHAPTER 6 THRU CHAPTER 11

NO CHANGE.

CHAPTER 12 – SERVICING

All required maintenance, inspections, time intervals, and procedures for the Hartzell HC-(C,G,J)3YF-1N/NM8411-() propeller are found in Manual 145. The HC-(C,G,J)3YF-1N/NM8411-() propeller's recommended time between overhaul (TBO) is detailed in Hartzell Service Letter HC-SL-61-61Y. Propeller overhaul must be accomplished by a certified propeller repair station with the appropriate rating.

All propeller inspection requirements contained in the Airplane Maintenance Manuals for Cessna aircraft listed on AML-050923 remain unchanged and should be complied with as provided in Chapter 5. Procedures unique to the composite blade construction are provided in the Inspection and Check section of Manual 145.

Due to the composite construction of the propeller blades, in the event of a lightning strike, in addition to the lightning strike inspection criteria provided in the applicable Airplane Maintenance Manual, refer to Manual 145, Inspection and Check Section Chapter 5, Special Inspections - Lightning Strike, for detailed information on propeller lightning strike inspection and disposition.

All other replenishing, scheduled servicing, and unscheduled servicing procedures in the Aircraft Maintenance Manual remain applicable.

CHAPTER 13 THRU CHAPTER 57

NO CHANGE.

CHAPTER 61 – PROPELLERS

All required maintenance, inspections, time intervals, and procedures for the Hartzell HC-(C,G,J)3YF-1N/NM8411-() propeller are found in Manual 145. The HC-(C,G,J)3YF-1N/NM8411-() propeller's recommended time between overhaul (TBO) is detailed in Hartzell Service Letter HC-SL-61-61Y. Propeller overhaul must be accomplished by a certified propeller repair station with the appropriate rating.

All propeller inspection requirements contained in the Airplane Maintenance Manuals for Cessna aircraft listed on AML-050923 remain unchanged and should be complied with as

ICA-050923

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR

HARTZELL HC-(C,G,J)3YF-1N/NM8411-()

PROPELLER ON CESSNA AIRCRAFT IN AML-050923

STC SA04643CH

provided in Chapter 5. Procedures unique to the composite blade construction are provided in the Inspection and Check section of Manual 145.

Due to the composite construction of the propeller blades, in the event of a lightning strike, in addition to the lightning strike inspection criteria provided in the applicable Airplane Maintenance Manual, refer to Manual 145, Inspection and Check Section Chapter 5, Special Inspections - Lightning Strike, for detailed information on propeller lightning strike inspection and disposition.

CHAPTER 70 THRU CHAPTER 95

NO CHANGE.

ICA-050923

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR

HARTZELL HC-(C,G,J)3YF-1N/NM8411-()

PROPELLER ON CESSNA AIRCRAFT IN AML-050923

STC SA04643CH

For Product Support contact:

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

Phone: (937) 778-4376 or
1-800-942-7767

E-mail: techsupport@hartzellprop.com

Internet: www.hartzellprop.com