

HARTZELL PROPELLER INC.
SERVICE BULLETIN
HC-SB-61-403
FC7063Q Blade Pitch Change Knob Angle

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. HC-C4YF-2E/FC7063Q Compact-series propellers are affected by this Alert Service Bulletin.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE BULLETIN. INFORMATION CONTAINED IN THIS SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE SERVICE BULLETIN INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS SERVICE BULLETIN.

B. Concurrent Requirements

- (1) Additional service documents may apply to the components/propellers affected by this Service Bulletin. Compliance with additional service documents may be necessary in conjunction with the completion of the Accomplishment Instructions in this Service Bulletin. Refer to the Hartzell Propeller Inc. website at www.hartzellprop.com for a cross-reference of service documents.

C. Reason

- (1) The FC7063Q blades used in the affected propellers may have been manufactured with the pitch change knob angle at 41 degrees.
- (a) The pitch change knob angle of the FC7063Q blade should be 48 degrees.
- (b) The serial numbers of the affected FC7063Q blades are listed in Table 1.

Affected FC7063Q Blade Serial Numbers			
M08665	M08666	M08667	M08668
M08669	M08670	M08671	M08672

Table 1

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D. Description

- (1) This Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Service Bulletin provides instructions for replacing the affected FC7063Q blades in the propeller.
 - (a) Hartzell Propeller Inc. will provide new FC7063Q blades free of charge to replace the affected blades listed in Table 1 of this Service Bulletin.
 - 1 Refer to the Appendix section of this Service Bulletin for additional information about the warranty program.

E. Compliance

- (1) At next propeller overhaul or major disassembly, whichever occurs first, examine the serial numbers of the FC7063Q blades in the affected propeller(s).
 - (a) If any of the blade serial numbers are listed in Table 1 of this Service Bulletin:
 - 1 Replace the affected blades in accordance with the Accomplishment Instructions in this Service Bulletin.
 - (b) If none of the blade serial numbers are listed in Table 1 of this Service Bulletin:
 - 1 Make a record of the serial number inspection in the propeller logbook indicating compliance with this Service Bulletin.
 - 2 No further action is required.

F. Approval

- (1) FAA acceptance has been obtained on technical data in this publication that affects type design.

G. Manpower

- (1) No additional man-hours required when compliance is performed at propeller overhaul or major disassembly.

H. Weight and Balance

- (1) Not changed

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I. Electrical Load Data

- (1) Not changed

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PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH
THE MOST RECENT REVISION OF A DOCUMENT.

J. References

- (1) Hartzell Propeller Inc. Propeller Owner's Manual 115N (61-00-15)
- (2) Hartzell Propeller Inc. Compact Constant Speed and Feathering Propeller Manual 117D (61-10-17)
- (3) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02)

K. Other Publications Affected

- (1) None

2. Material Information

A. Components Supplied by Hartzell Propeller Inc.

CAUTION: INSTRUCTIONS AND PROCEDURES IN THIS SERVICE
BULLETIN MAY INVOLVE PROPELLER CRITICAL PARTS.
REFER TO THE APPLICABLE PROPELLER OVERHAUL OR
OWNER'S MANUAL FOR INFORMATION ABOUT PROPELLER
CRITICAL PARTS.

<u>Part Number</u>	<u>Description</u>
FC7063Q	PCP: Blade Unit, Aluminum

NOTE: Hartzell will provide a new FC7063Q blade to replace each affected
blade listed in Table 1 of this Service Bulletin

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3. Accomplishment Instructions

A. Parts Order/Compliance Form

(1) Complete and sign the Parts Order/Compliance Form in the Appendix section of this Service Bulletin.

(a) Send the completed form to Hartzell Propeller Inc. for processing.

B. Blade Replacement at Propeller Overhaul/Major Disassembly

(1) Remove the propeller from the aircraft in accordance with Hartzell Propeller Inc. Owner's Manual 115N (61-00-15).

CAUTION: PROPELLER OVERHAUL MUST BE PERFORMED BY A CERTIFIED PROPELLER REPAIR STATION WITH THE APPROPRIATE RATING.

(2) Disassemble the propeller in accordance with Hartzell Propeller Inc. Compact Constant Speed and Feathering Propeller Manual 117D (61-10-17) - **except:**

(a) Retire the affected FC7063Q blade assemblies in accordance with the Part Retirement chapter of Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02).

(3) Perform the required component inspections, install the new FC7063Q blades, and reassemble the propeller in accordance with Hartzell Propeller Inc. Compact Constant Speed and Feathering Propeller Manual 117D (61-10-17).

(4) Install the propeller on the aircraft in accordance with Hartzell Propeller Inc. Owner's Manual 115N (61-00-15).

(5) Make an entry in the propeller logbook indicating the affected blades were replaced in accordance with this Service Bulletin.

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B. Recommended Service Facilities

- (1) Hartzell Propeller Inc. has a worldwide network of Recommended Service Facilities for overhaul and repair of our products.
- (2) Each service facility must meet standard FAA requirements and additional Hartzell Propeller requirements before being recommended by Hartzell Propeller Inc. Each service facility is audited by Hartzell Propeller Inc. to verify the continuation of the standards.
- (3) Hartzell Propeller Inc. recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- (4) For a current list of Hartzell Propeller Inc. Recommended Service Facilities, contact Hartzell Propeller Inc. Product Support or refer to the Hartzell Propeller Inc. website at www.hartzellprop.com.
- (5) For a list of repair facilities that have been evaluated and approved by Hartzell Propeller Inc. to perform special process (shot peen, cold roll, etc) on Hartzell propeller components, refer to the "Sample Program Approvals" page on the Hartzell website at www.hartzellprop.com.

C. Contact Information

- (1) Email, fax, or mail the compliance form to:
Hartzell Propeller Inc.
Attn: Hartzell Propeller Inc. Product Support
One Propeller Place
Piqua, OH 45356 USA
Phone: 937.778.4379
Fax: 937.778.4215 (Intl. 001.937.778.4215)
Email: techsupport@hartzellprop.com

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HARTZELL PROPELLER INC.
SERVICE BULLETIN APPENDIX
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1. Warranty Program Information

A. Eligibility

- (1) Hartzell Propeller Inc. HC-C4YF-2E/FC7063Q Compact-series propellers with affected blade serial numbers listed in Table 1 of this Service Bulletin are eligible for this warranty program.

B. Parts

- (1) Hartzell Propeller Inc. will provide the parts listed in the Material Information section of this Service Bulletin free of charge for each affected propeller.
- (2) Complete and sign the Parts Order/Compliance Form in this Appendix section, then send the completed form to Hartzell Propeller Inc. for processing.

C. Contact Information

- (1) Fax, Email, or mail the Parts Order/Compliance Form to:

Hartzell Propeller Inc.
Attn: Service Bulletin 403 Coordinator
One Propeller Place
Piqua, OH 45356 USA
Phone: 937.778.4379
Fax: 937.778.4215 (Intl. 001.937.778.4215)
Email: techsupport@hartzellprop.com

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Parts Order/Compliance Form

Warranty Claim Number:		
Propeller Information:		
Propeller Model:	Propeller S/N:	
TSN (Time Since New):	TSO (Time Since Overhaul):	
Blade S/Ns:		
Aircraft Information		
Aircraft Model:	Aircraft Registration #:	
Owner Information:		
Name:		
City:	State:	
Zip/Postal Code:	Country:	
E-mail:	Phone:	
Repair Facility/Shipping Information:		
Company:	Contact Name:	
Address:		
City:	State:	
Zip/Postal Code:	Country:	
E-mail:	Phone:	Fax:
Replacement Parts:		
Refer to the Material Information section of this Service Bulletin for a list of parts that will be provided.		
Signature:		
Repair Technician's Signature:	Date:	
Send this completed and signed form to Hartzell Propeller Inc. Product Support Department: Fax - (001) 937.778.4215 or E-mail - techsupport@hartzellprop.com		

DO NOT WRITE BELOW THIS LINE - FOR HARTZELL PROPELLER INC. USE ONLY

Authorized By:

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