

HARTZELL PROPELLER LLC
ALERT SERVICE BULLETIN
HC-ASB-61-410
A-2044 Self-Locking Hex Nut, 1/2-20

1. Planning Information

A. Effectivity

- (1) The Hartzell propeller models listed below are affected by this Alert Service Bulletin **only if** the propeller was installed on the aircraft between December 8, 2025 and the release date of this Alert Service Bulletin.
 - (a) Hartzell Compact-series propeller models:
 ()HC-(C,E,G,H)(2,3,4)YF-() and ()HC-(I,J,L)(2,3)Y(1)F-()
 - (b) Hartzell Raptor-series propeller models:
 (3,4)C1-FP()() and 3C2-FP()()
 - (c) Hartzell Falcon-series propeller models:
 3H1-QP()()
 - (d) Hartzell Bantam-series propeller models:
 (2,3)A(1,2)-()() and 5A(1,2,8)-()()
 - (e) Hartzell Ground Adjustable propeller models:
 5FB-()()
 - (f) Hartzell steel hub propeller models:
 ()HC-A3MVF-()
- (2) A-2044 hex nuts in inventory/stock that were shipped from Hartzell Propeller between December 8, 2025 and February 4, 2026 are affected by this Alert Service Bulletin.
 - (a) Affected A-2044 hex nuts will be marked with lot number "S6" and the vendor mark shown in Figure 1.
- (3) Hartzell Propeller overhaul kits listed in Table 1 that were shipped from Hartzell between December 8, 2025 and February 4, 2026 are affected by this Alert Service Bulletin.

Propeller O/H Kits		
PHC-C3YF-1RF*1	PHC-J3YF-1N-OH	PHC-L3YF-1RF-OH
PHC-C3YF-1RF-OH	PHC-J3YF-1RF-OH	HC-C3YF-1RF-OH
PHC-C3YF-2UF*1	PHC-J3YF-2UF-OH	BHC-C2YF-2CKUF

Affected Propeller Overhaul Kits
Table 1

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WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN. INFORMATION CONTAINED IN THIS ALERT SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS ALERT 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 ALERT SERVICE BULLETIN INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

B. Concurrent Requirements

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

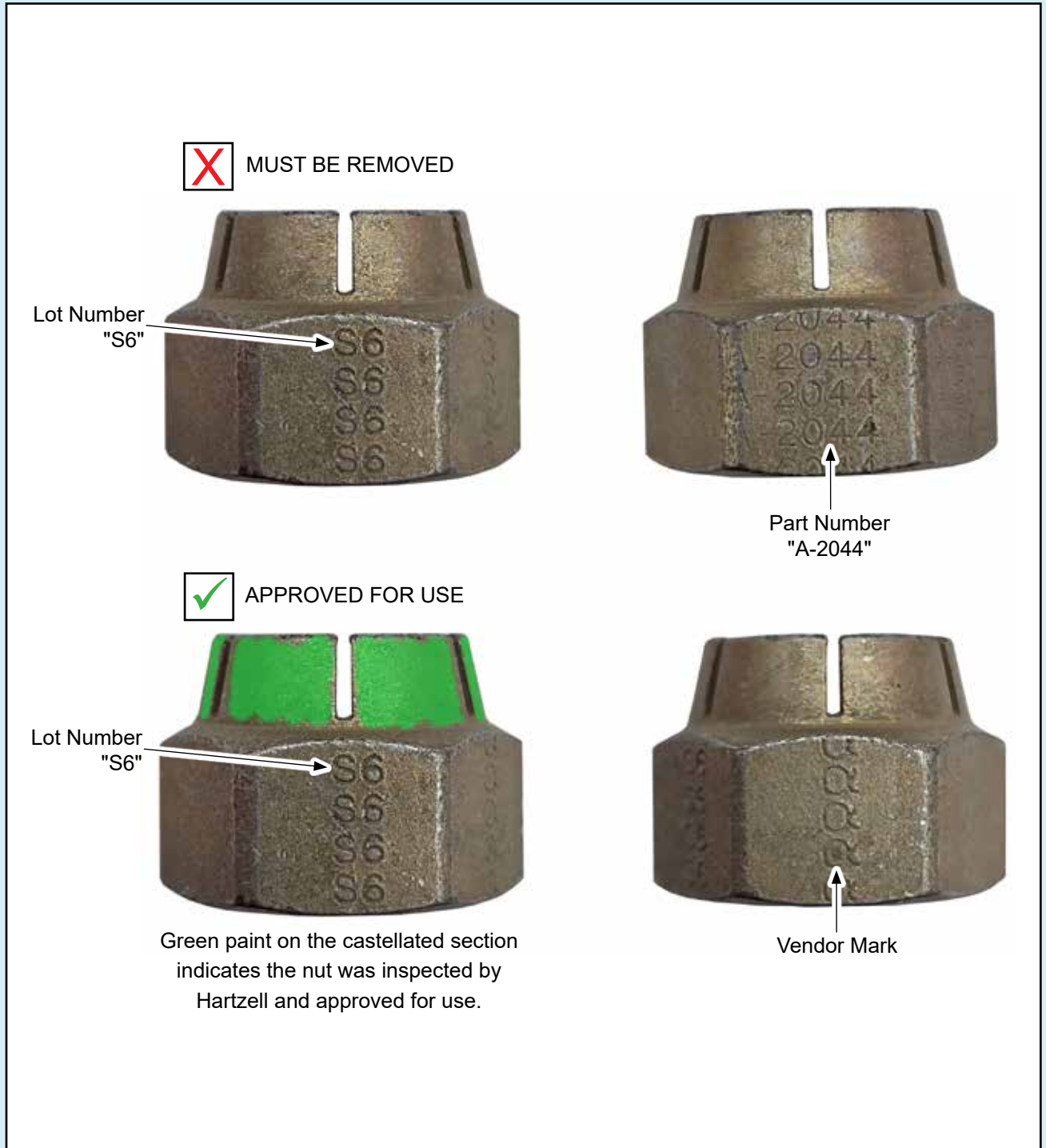
C. Reason

- (1) Hartzell Propeller received a shipment of A-2044 self-locking hex nuts that were manufactured incorrectly. The locking feature on the nuts in the affected lot is defective and can loosen during flight.
 - (a) The A-2044 hex nuts are shipped loose with affected propellers and are used to mount the propeller on the aircraft.

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**Affected A-2044 Hex Nut Identification
Figure 1**

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D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for inspecting A-2044 hex nuts in inventory/stock.
- (3) This Alert Service Bulletin provides instructions for inspecting the A-2044 hex nuts when the affected propeller is installed on the aircraft.
- (4) This Alert Service Bulletin provides instructions for replacing the A-2044 hex nuts when the affected propeller is installed on the aircraft.
- (5) Refer to the Appendix section of this Alert Service Bulletin for information about the warranty program.

E. Compliance

- (1) Within 25 flight hours or six months from the release date of this Alert Service Bulletin, whichever occurs first, perform the "Propeller Mounting Nut Inspection/Replacement" on the affected propeller in accordance with the Accomplishment Instructions section of this Alert Service Bulletin.
- (2) Before using any A-2044 hex nuts from inventory/stock (including affected propeller overhaul kits), perform the "Inventory Inspection" in accordance with the Accomplishment Instructions in this Alert Service Bulletin.

F. Approval

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

G. Manpower

Procedure	Allowable Man-hours
A-2044 Hex Nut Replacement	1 hour per propeller

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CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.
PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH
THE MOST RECENT REVISION OF A DOCUMENT.

H. References

- (1) Hartzell Propeller Owner's Manuals
- available on the Hartzell website at www.hartzellprop.com
 - (a) Manual 115N (61-00-15)
 - (b) Manual 131 (61-00-31)
 - (c) Manual 145 (61-00-45)
 - (d) Manual 168 (61-00-68)
 - (e) Manual 411 (61-00-11)
 - (f) Manual 480 (61-00-80)
 - (g) Manual 505 (61-00-05)
 - (h) Manual 670 (61-00-70)

2. Material Information

A. Parts Supplied by Hartzell Propeller

<u>Part Number</u>	<u>Description</u>	<u>Qty</u>
A-2044	Nut, 1/2-20, Hex, Self-Locking	AR

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3. Accomplishment Instructions

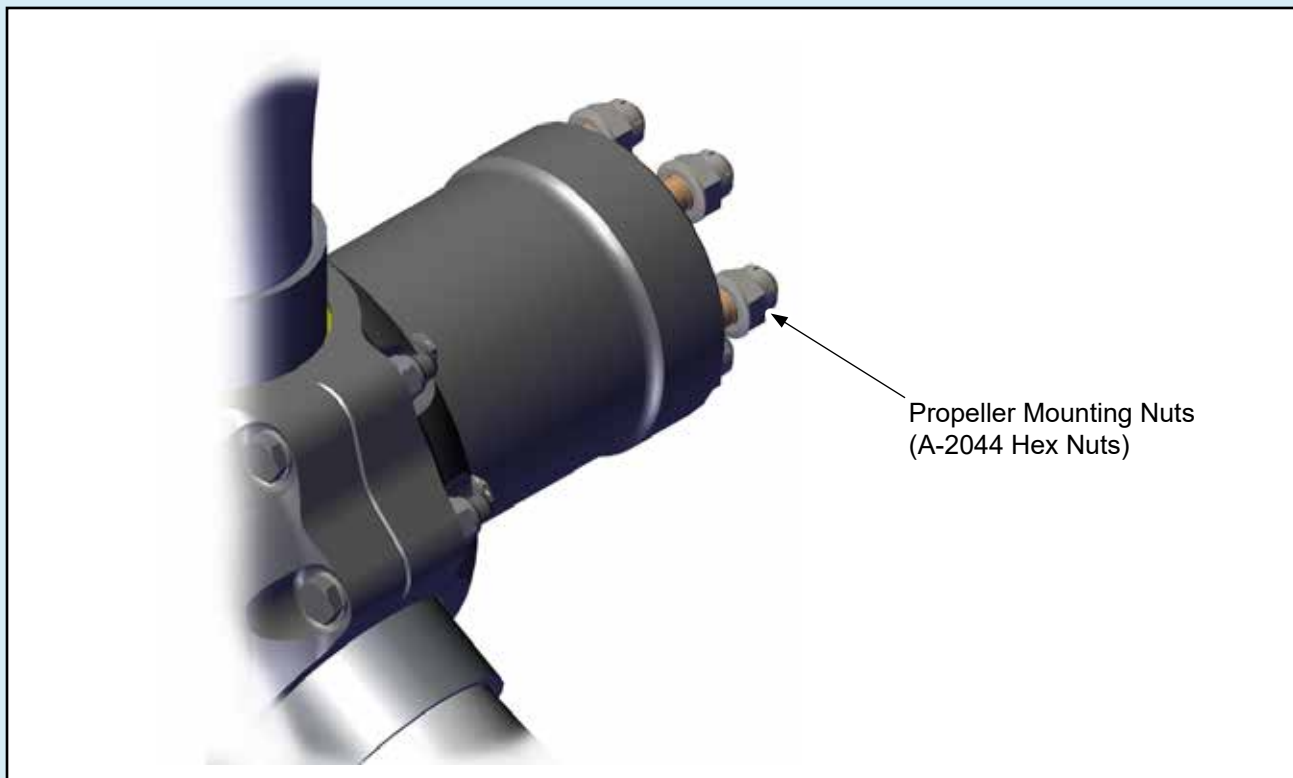
A. Inventory Inspection

- (1) Examine all A-2044 hex nuts in inventory/stock (including affected propeller overhaul kits) to determine the lot numbers of the nuts. Refer to Figure 1.

NOTE: If the castellated section of an A-2044 hex nut marked "S6" is painted green as shown in Figure 1, the nut was inspected by Hartzell and approved for use. Painted nuts can be returned to inventory/stock.

- (a) A-2044 hex nuts marked with lot number "S6" but not painted green must be removed from inventory and returned to Hartzell.

- 1 Complete and sign the Parts Order/Compliance Form in the Appendix section of this Alert Service Bulletin.
- 2 Send the completed form to Hartzell Propeller for processing.



Propeller Mounting Nuts (A-2044 Hex Nuts)
Figure 2

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B. Propeller Mounting Nut Inspection/Replacement

NOTE 1: This procedure can be performed with the propeller on-wing.

NOTE 2: This procedure must be performed by a certified airframe and powerplant mechanic with the appropriate rating, or by a certified propeller repair station with the appropriate rating - or international equivalents.

- (1) Remove the spinner dome in accordance with the applicable Hartzell Propeller owner's manual.
- (2) Examine the propeller mounting nuts (Figure 2) to identify the lot number marked on each A-2044 hex nut (Figure 1).
 - (a) A-2044 hex nuts marked with lot numbers other than "S6" are not affected by this Alert Service Bulletin and require no further action.

NOTE: If the castellated section of an A-2044 hex nut marked "S6" is painted green as shown in Figure 1, the nut was inspected by Hartzell and approved for use.

- (b) For A-2044 hex nuts marked with lot number "S6" but not painted green, perform the following steps before further flight:
 - 1 Remove and discard the affected A-2044 hex nut.
 - 2 Install a new, non-affected A-2044 hex nut, then torque the nut in accordance with the applicable Hartzell Propeller owner's manual.
 - 3 Complete and sign the Parts Order/Compliance Form in the Appendix section of this Alert Service Bulletin.
 - a Record the number of affected A-2044 hex nuts removed from the aircraft in the Replacement Parts section on the form.
 - b Send the completed form to Hartzell Propeller for processing.
- (3) Install the spinner dome in accordance with the applicable Hartzell Propeller owner's manual.
- (4) Make an entry in the propeller logbook indicating the affected A-2044 hex nut(s) were replaced in accordance with this Alert Service Bulletin.

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C. Recommended Service Facilities

- (1) Hartzell Propeller LLC 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. Each service facility is audited by Hartzell Propeller to verify compliance with Hartzell standards.
- (3) Hartzell Propeller recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- (4) For a current list of Hartzell Propeller Recommended Service Facilities, contact Hartzell Product Support or refer to the Hartzell website at www.hartzellprop.com.

D. Contact Information

Hartzell Propeller LLC
Attn.: Product Support Department
One Propeller Place
Piqua, Ohio 45356-2634 USA
Phone: (001) 937.778.4379
Fax: (001) 937.778.4391
E-mail: techsupport@hartzellprop.com

HARTZELL PROPELLER LLC
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1. Warranty Program Information

A. Eligibility

- (1) Affected propellers (listed in the Effectivity section of this Alert Service Bulletin) are eligible for this warranty program **if** A-2044 hex nuts marked with lot number "S6" are found during inspection and removed/discarded in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
- (2) A-2044 hex nuts marked with lot number "S6" that were removed from inventory/stock and returned to Hartzell Propeller are eligible for this warranty program.
 - (a) Contact Hartzell Propeller Product Support Department for a return authorization number before returning the affected A-2044 hex nuts.

B. Parts

- (1) Hartzell Propeller will provide new A-2044 self-locking hex nuts to replace the affected nuts free-of-charge when the completed and signed Parts Order/Compliance form is processed.

C. Labor

- (1) Hartzell Propeller will authorize payment for the allowable labor charges when affected A-2044 hex nuts are replaced in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
 - (a) Refer to the Manpower section of this Alert Service Bulletin for warranted procedures and allowable man-hours.
 - (b) Labor charges will be reimbursed at the service facility's CURRENT POSTED SHOP LABOR RATE, pending Hartzell Propeller approval.
 - (c) Send the invoice for labor charges to Hartzell Propeller for processing.

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Parts Order/Compliance Form

Warranty Claim Number:		
Propeller Information (if applicable):		
Propeller Model:	Propeller S/N:	
TSN (Time Since New):	TSO (Time Since Overhaul):	
Aircraft Information (if applicable):		
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:		
Record the number of affected A-2044 hex nuts removed from aircraft or inventory/stock (see NOTE).	Part Number:	Qty.
	A-2044	
<small><u>NOTE:</u> Unused A-2044 hex nuts removed from inventory/stock must be returned to Hartzell. A-2044 hex nuts removed from aircraft can be discarded.</small>		
Signature:		
Repair Technician's Signature:	Date:	
Send this completed and signed form to Hartzell Propeller Product Support Department: Fax - (001) 937.778.4215 or E-mail - warranty@hartzellprop.com		

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

Authorized By:
