

**HARTZELL PROPELLER LLC**  
**ALERT SERVICE BULLETIN**  
**TRANSMITTAL SHEET**  
**HC-ASB-61-409**  
**A-1373 Self-Locking Hex Nut, 7/16-20**

April 15, 2026

This page transmits a revision to Alert Service Bulletin HC-ASB-61-409.

- Original Issue, dated Mar 05/26
- Revision 1, dated Apr 15/26

Propeller assemblies that have previously complied with an earlier version of this Alert Service Bulletin are not affected.

Changes are shown by a change bar in the left margin of the revised pages.

Revision 1 is issued to change the following in the Alert Service Bulletin:

- Revise Figure 1, "Affected A-1373 Hex Nut Identification"
- Revise the section, "Inventory Inspection"
- Revised the section, "Blade Clamp Nut Inspection"

This Alert Service Bulletin is reissued in its entirety.

HARTZELL PROPELLER LLC

# **ALERT SERVICE BULLETIN**

**TRANSMITTAL SHEET**

**HC-ASB-61-409**

**A-1373 Self-Locking Hex Nut, 7/16-20**

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**A-1373 Self-Locking Hex Nut, 7/16-20**

1. Planning Information

A. Effectivity

- (1) The Hartzell propeller models listed below are affected by this Alert Service Bulletin **only if**:
- The propeller was shipped from Hartzell between January 15, 2026 and January 28, 2026. - **or** -
  - The propeller was overhauled between January 15, 2026 and the release date of this Alert Service Bulletin.
- (a) Hartzell steel hub reciprocating propeller models:  
 HC-A2MV20-4A1, HC-92( )K-(1,2,8)( ), BHC-92( )F-(1,3)( ),  
 HC-B3( )20-(1,4)( ), HC-B3( )30-(2,4)( )
- (b) Hartzell steel hub turbine propeller models:  
 HC-B5M( )-(2,3,5)( ), HC-B(3,4)(M,T)( )-(2,3,5,7)( )
- (2) A-1373 hex nuts in inventory/stock that were shipped from Hartzell Propeller between January 15, 2026 and January 27, 2026 are affected by this Alert Service Bulletin.
- (a) Affected A-1373 hex nuts will be marked with lot number "S1" and the vendor mark shown in Figure 1.
- (3) Hartzell Propeller overhaul kits listed Table 2 that were shipped from Hartzell between January 15, 2026 and January 27, 2026 are affected by this Alert Service Bulletin.

Propeller O/H Kits		
HC-B3TN-2-OH	HC-B3TN-3D-OH	HC-B4MP-3C-OH
HC-B3R30-4B-OH	HC-B3TN-3DY-OH2	HC-B4TN-5(J,M)L
HC-B3TF-7A-OH	HC-B3TN-3K-OH	HC-B5MA-2-OH
HC-B3TN-3AF-OH	HC-B3TN-5E-OH	HC-B5MP-3F-OH
HC-B3TN-3B-OH	HC-B4MP-3B-OH	-

**Affected Propeller Overhaul Kits**  
**Table 2**

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**WARNING:** DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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](http://www.hartzellprop.com) for a cross-reference of service documents.

**C. Reason**

- (1) Hartzell Propeller received a shipment of A-1373 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-1373 hex nuts are used on the blade clamp assemblies of Hartzell steel hub propellers.

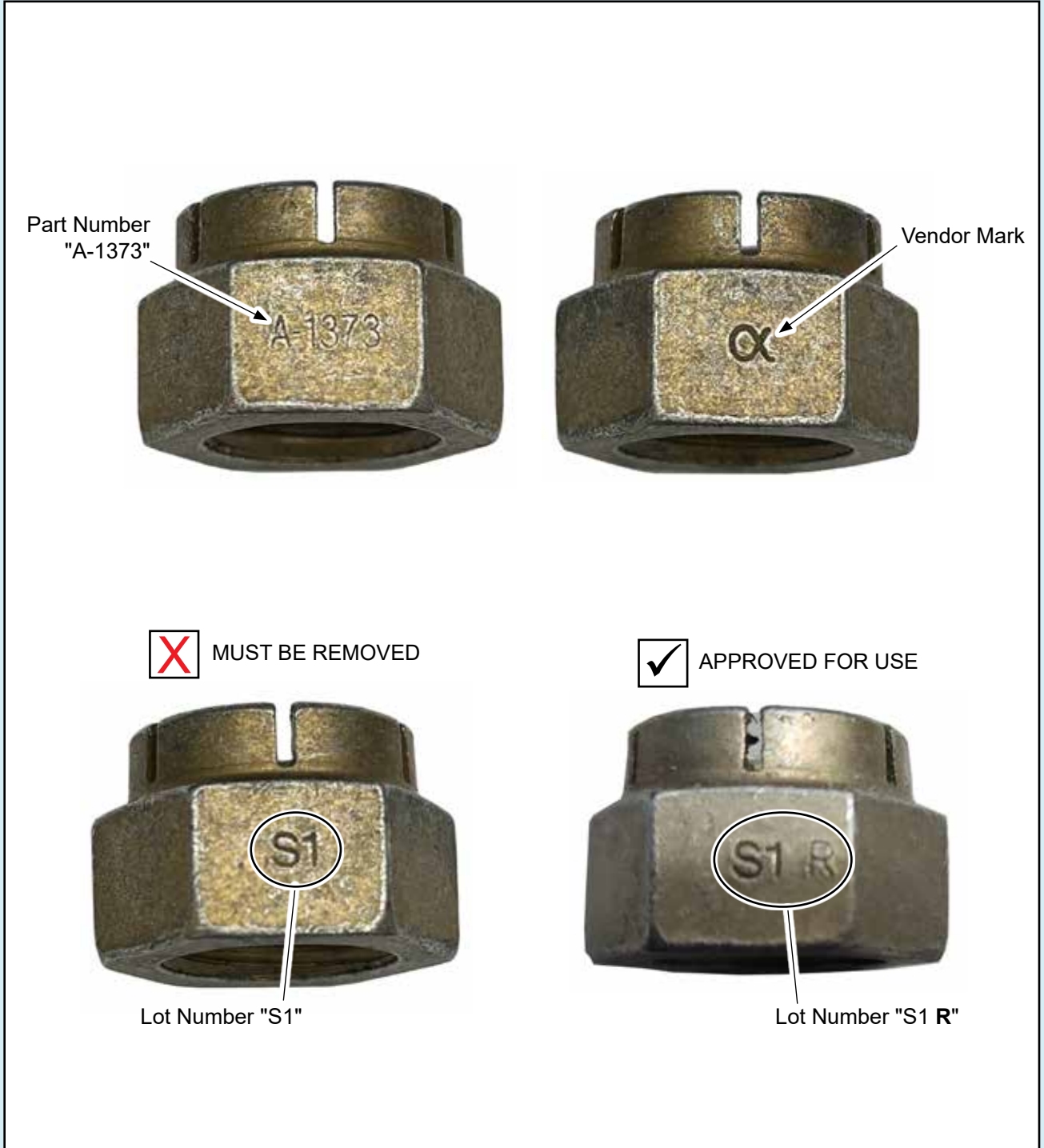
**D. Description**

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for inspecting A-1373 hex nuts in inventory/stock.
- (3) This Alert Service Bulletin provides instructions for inspecting the A-1373 hex nuts on the blade clamps of affected propellers.
- (4) This Alert Service Bulletin provides instructions for replacing the A-1373 hex nuts on the blade clamps of affected propellers.
- (5) Refer to the Appendix section of this Alert Service Bulletin for information about the warranty program.

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Affected A-1373 Hex Nut Identification

Figure 1

## HARTZELL PROPELLER LLC

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### A-1373 Self-Locking Hex Nut, 7/16-20

#### E. Compliance

- (1) Within 25 flight hours or six months from the release date of this Alert Service Bulletin, whichever occurs first, perform the "Blade Clamp Nut Inspection" on the affected propeller in accordance with the Accomplishment Instructions section of this Alert Service Bulletin.
  - (a) If A-1373 hex nuts marked with lot number "S1" are found during the inspection:
    - 1 Within 125 flight hours from the inspection, replace the affected A-1373 hex nut(s) in accordance with the "Blade Clamp Nut Replacement" procedure in the Accomplishment Instructions section of this Alert Service Bulletin.
- (3) Before using any A-1373 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
Propeller Removal/Installation	3 hours
Blade Clamp Nut Replacement	1 hour per blade

**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](http://www.hartzellprop.com)
  - (a) Manual 139 (61-00-39)
  - (b) Manual 167 (61-00-67)
  - (c) Manual 169 (61-00-69)
  - (d) Manual 174 (61-00-74)

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- (2) Hartzell Propeller Overhaul Manuals:
  - (a) Manual 114B
  - (b) Manual 118F (61-10-18)
  - (c) Manual 132A (61-10-32)
  - (d) Manual 171 (61-10-71)
  - (e) Manual 177 (61-10-77)

2. Material Information

A. Parts Supplied by Hartzell Propeller

<u>Part Number</u>	<u>Description</u>	<u>Qty (per blade)</u>
A-1373	Nut, 7/16-20, Hex, Self-Locking	AR

3. Accomplishment Instructions

A. Inventory Inspection

- (1) Examine all A-1373 hex nuts in inventory/stock to determine the lot number.

**NOTE:** A-1373 hex nuts marked with lot number "S1 R" as shown in Figure 1, are approved for use. These nuts can be returned to inventory/stock.

- (a) A-1373 hex nuts marked with lot number "S1" as shown in Figure 1 must be removed from inventory and returned to Hartzell.
- (b) Complete and sign the Parts Order/Compliance Form in the Appendix section of this Alert Service Bulletin.
  - 1 Send the completed form to Hartzell Propeller to initiate the order for the required parts.

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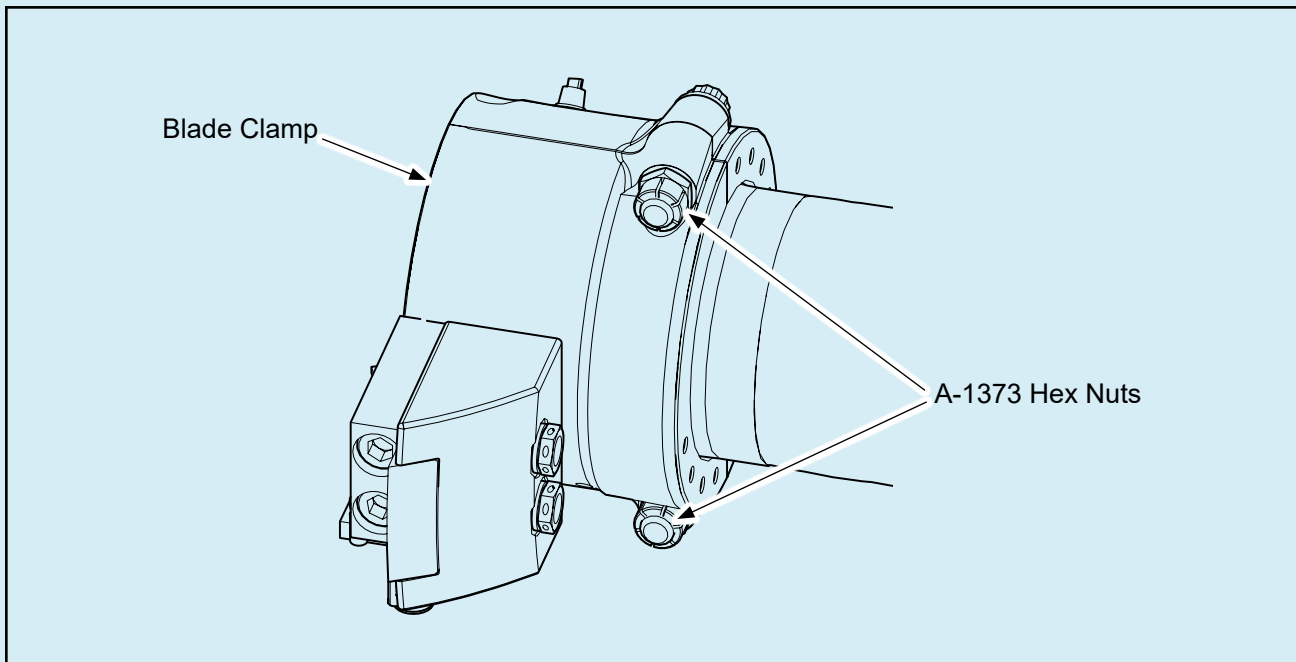
B. Blade Clamp Nut Inspection

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

- (1) Remove the spinner dome in accordance with the applicable Hartzell Propeller owner's manual.
- (2) Examine the blade clamp nuts (Figure 2) to identify the lot number marked on each A-1373 hex nut (Figure 1).

NOTE: A-1373 hex nuts marked with lot number "S1 R" as shown in Figure 1, are approved for use.

- (a) A-1373 hex nuts marked with lot number "S1" must be replaced in accordance with the "Blade Clamp Nut Replacement" procedure in this section within 125 flight hours of this inspection.
- (b) A-1373 hex nuts marked with lot numbers other than "S1" are not affected by this Alert Service Bulletin and require no further action.
- (3) Make an entry in the propeller logbook indicating this inspection was performed in accordance with this Alert Service Bulletin.



**Blade Clamp/A-1373 Hex Nuts**  
**Figure 2**

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C. Blade Clamp Nut Replacement

- (1) Remove the spinner dome in accordance with the applicable Hartzell Propeller owner's manual.
- (2) Remove the propeller from the aircraft in accordance with the applicable Hartzell Propeller owner's manual.

**ATTENTION:** Steps (3) thru (5) of this procedure must be performed by a certified propeller repair station with the appropriate rating.

- (3) Remove the affected A-1373 hex nuts from each blade clamp (refer to Figure 2) in accordance with the applicable Hartzell Propeller overhaul manual.
  - (a) Affected A-1373 hex nuts must be returned to Hartzell Propeller in accordance with the Appendix section of this Alert Service Bulletin.
- (4) Install new, non-affected A-1373 hex nuts onto each blade clamp in accordance with the applicable Hartzell Propeller overhaul manual.
- (5) Complete and sign the Parts Order/Compliance Form in the Appendix section of this Alert Service Bulletin.
  - (a) Record the number of affected A-1373 hex nuts removed from the aircraft in the Replacement Parts section on the form.
  - (b) Send the completed form to Hartzell Propeller for processing.
- (6) Install the propeller onto the aircraft in accordance with the applicable Hartzell Propeller owner's manual.
- (7) Install the spinner dome in accordance with the applicable Hartzell Propeller owner's manual.
- (8) Make an entry in the propeller logbook indicating the affected A-1373 hex nuts 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](http://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](mailto:techsupport@hartzellprop.com)

**HARTZELL PROPELLER LLC**  
**ALERT SERVICE BULLETIN APPENDIX**  
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**A-1373 Self-Locking Hex Nut, 7/16-20**

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-1373 hex nuts marked with lot number "S1" were removed from the propeller and returned to Hartzell in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
  - (a) Contact Hartzell Propeller Product Support Department for a return authorization number before returning the affected A-1373 hex nuts.
- (2) A-1373 hex nuts marked with lot number "S1" 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-1373 hex nuts.

B. Parts

- (1) Hartzell Propeller will provide new A-1373 self-locking hex nuts free-of-charge when the affected nuts are returned to Hartzell with 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-1373 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**

<b>Warranty Claim Number:</b>		
<b>Propeller Information (if applicable):</b>		
Propeller Model:	Propeller S/N:	
TSN (Time Since New):	TSO (Time Since Overhaul):	
<b>Aircraft Information (if applicable):</b>		
Aircraft Model:	Aircraft Registration #:	
<b>Owner Information:</b>		
Name:		
City:	State:	
Zip/Postal Code:	Country:	
E-mail:	Phone:	
<b>Repair Facility/Shipping Information:</b>		
Company:	Contact Name:	
Address:		
City:	State:	
Zip/Postal Code:	Country:	
E-mail:	Phone:	Fax:
<b>Replacement Parts:</b>		
Record the number of affected A-1373 hex nuts removed from aircraft or inventory/stock (see NOTE).	Part Number:	Qty.
	<b>A-1373</b>	
<small><u>NOTE:</u> Affected A-1373 hex nuts must be returned to Hartzell. Contact Hartzell for a return authorization number.</small>		
<b>Signature:</b>		
Repair Technician's Signature:	Date:	
Send this completed <b>and signed</b> 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:
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