

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-30-365
De-ice - 107083 Hub Clamping Bolt

A. Effectivity

- (1) All Hartzell Propeller Inc. aluminum hub propeller models HC-E5(A,W)-3(), HC-E5N-(3,5)(), and HC-C3YN-2L(A)UF that are equipped with A-3219-1 hub clamping bolts are affected by this Service Letter.
 - (a) The A-3219-1 hub clamping bolts may be installed as part of the de-ice kit, anti-icing kit, or spinner mounting kit.
 - 1 De-ice kits that include the A-3219-1 bolts:

<u>a</u>	105062	105934	106818
	105551	106049	107038
 - 2 Anti-icing kit that includes the A-3219-1 bolts:
 - a 107016
 - 3 Spinner mounting kit that includes the A-3219-1 bolts:
 - a A-2476-13

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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

B. Concurrent Requirements

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

C. Reason

- (1) To standardize hardware components and reduce parts inventory, Hartzell Propeller Inc. will use the 107083 hub clamping bolt in place of the A-3219-1 hub clamping bolt previously used in the de-ice/anti-icing kits and spinner mounting kits for the affected propeller models.

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D. Description

- (1) This Service Letter provides Additional Maintenance Information (AMI).
- (2) This Service Letter introduces the 107083 hub clamping bolt as an alternate for the A-3219-1 hub clamping bolt used in the de-ice/anti-icing kits and spinner mounting kits for the affected propeller models.
- (3) Affected propeller models, de-ice/anti-icing kits, and spinner mounting kits will begin shipping from Hartzell Propeller Inc. with the 107083 hub clamping bolt when inventory of the A-3219-1 bolt is depleted.
 - (a) When inventory of the A-3219-1 bolt at Hartzell Propeller Inc. is depleted, orders for the A-3219-1 bolt will be replaced with the 107083 bolt.
- (4) Existing inventory of A-3219-1 bolts may be used until depleted.
- (5) Installation of A-3219-1 bolts and 107083 bolts on the same propeller is permitted.

E. Approval

- (1) This technical document is approved by Hartzell Propeller Inc.

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

F. References

- (1) Hartzell Propeller Inc. Propeller Owner's Manual 115N (61-00-15)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Compact Constant Speed and Feathering Propeller Overhaul and Maintenance Manual 117D (61-10-17)
- (3) Hartzell Propeller Inc. Metal Spinner Maintenance Manual 127 (61-16-27)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (4) Hartzell Propeller Inc. Propeller Owner's Manual 147 (61-00-47)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (5) Hartzell Propeller Inc. Five Blade Lightweight Turbine Propeller Overhaul Manual 158A (61-10-58)
- (6) Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com

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G. Other Publications Affected

- (1) Hartzell Propeller Inc. Metal Spinner Manual 127 (61-16-27)
- (2) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com

2. Material Information

A. Material Necessary for Each Propeller/Component

<u>Part Number</u>	<u>Description</u>	<u>Qty</u>
107083	Bolt, 3/8-24, Hex Head	AR

3. Accomplishment Instructions

A. 107083 Bolt Installation

- (1) Install the 107083 bolt in accordance with the hub clamping bolt installation instructions in the applicable Hartzell Propeller Inc. propeller owner's manual and/or Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80).

B. 107083 Bolt Inspection

- (1) Inspect the 107083 bolts in accordance with the Hub Bolt inspection criteria in the Check chapter of the applicable Hartzell Propeller Inc. overhaul and maintenance manual and/or Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80).

C. Contact Information

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