

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-30-369

Erosion Tape Installation on Blades with De-ice Boots

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. HC-E4N-3A/NC9208K lightweight turbine propellers with Hartzell p/n 103503 de-ice boots installed are affected by this Service Letter.
 - (a) Affected HC-E4N-3A propellers may be installed on Beechcraft (Textron) King Air B200, B200C, B200GT, or B200CGT aircraft.
- (2) Hartzell Propeller Inc. HC-E5A-3()/NC10245B(*1,*4,*5,*6) lightweight turbine propellers with Hartzell p/n 105622 or 107383 de-ice boots installed are affected by this Service Letter.
 - (a) Affected HC-E5A-3() propellers may be installed on Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E or Epic E1000 aircraft.
- (3) Hartzell Propeller Inc. 5D3-N338A1/78D01B(*2) Raptor-series propellers with Hartzell p/n 106167 de-ice boots installed are affected by this Service Letter.
 - (a) Affected 5D3-N338A1 propellers may be installed on Piper PA-46-500TP and PA-46-600TP aircraft.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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.

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C. Reason

- (1) Hartzell Propeller Inc. has tested and approved the application of erosion tape over the de-ice boot on the blades of the affected propellers.

D. Description

- (1) This Service Letter provides Additional Maintenance Information (AMI).
- (2) This Service Letter authorizes the application of erosion tape CM158 over the de-ice boot on the blades of affected propellers.
 - (a) The application of erosion tape is optional.
- (3) This Service Letter provides instructions for applying erosion tape CM158 over the de-ice boot on the blades of affected propellers.

E. Approval

- (1) This Service Letter is approved by Hartzell Propeller Inc.

F. References

- (1) Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80)
- available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02) - Volume 7, Consumable Materials is available on the Hartzell Propeller Inc. website at www.hartzellprop.com

G. Other Publications Affected

- (1) Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80)
- available on the Hartzell Propeller Inc. website at www.hartzellprop.com

2. Material Information

A. Consumable Materials

CM Number	Description
CM158	Erosion Tape

NOTE: All CM numbers in this Service Letter refer to the Consumable Materials chapter of Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02).

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3. Accomplishment Instructions

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

A. Erosion Tape Application

- (1) Application of erosion tape CM158 over the de-ice boot is optional for the blades on the affected propellers.
- (2) Cut the erosion tape CM158 to the length specified in Table 1 of this Service Letter.
 - (a) Radius the corners of the erosion tape CM158 to 0.5 inch (13mm) to remove any sharp corners.
- (3) Prepare the surface and apply the erosion tape CM158 over the de-ice boot in accordance with the De-ice Boot Removal/Installation chapter of Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80).

Propeller Model	Blade Model	De-ice Boot p/n	Aircraft	Tape Length (per blade)
HC-E4N-3A	NC9208K	103503	Beechcraft (Textron) B200, B200C, B200GT, B200CGT	13.25 inches (336.5 mm)
HC-E5A-3A	NC10245B*6	107383	Epic E1000	17.25 inches (438.1 mm)
HC-E5A-3()	NC10245B(*1)	105622	Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E	17.25 inches (438.1 mm)
HC-E5A-3()	NC10245B(*1,*4,*5)	107383	Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E	17.25 inches (438.1 mm)
5D3-N338A1	78D01B(*2)	106167	Piper PA-46-500TP, PA-46-600TP	14.5 inches (368.3 mm)

**Erosion Tape Length
Table 1**

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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.

C. Contact Information

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