

SUBJECT: Introduction of New Propeller De-ice Boots

To all Customers, Operators and Service Centers:

Date: Oct 31/19

Effectivity: All PC-12/47E aircraft from MSN 1576 up to MSN 2001 with 5 bladed propellers.

The de-ice boots are certified by EC-19-0306.

This Service Letter is issued to draw attention to the following vendor information:

HARTZELL PROPELLER INCORPORATION NO. HC-SB-30-387 - De-ice - Introduction of 107383 De-ice Boot.

Reason: Operators are experiencing issues with the old foil type de-icer and Hartzell are introducing new de-ice boots with SB HC-SB-30-387 (latest revision).

Pilatus supports the implementation of the Hartzell SB to solve issues with the foil type de-icer.

Operators that require additional information should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com → contact us

Attachment: Hartzell SB HC-SB-30-387.

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1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. five-blade lightweight turbine propeller models HC-E5A-3()/NC10245B() are affected by this Service Bulletin.
 - (a) The affected propellers may be installed on, but not limited to, Pilatus PC-12 aircraft.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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) Hartzell Propeller Inc. is introducing the 107383 de-ice boot as a replacement for the 105622 de-ice boot previously used on the affected propellers.
 - (a) The 107383 de-ice boot is designed for easier installation and improved durability.

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D. Description

- (1) This Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Service Bulletin provides instructions for installing the 107383 de-ice boot on affected propellers.
- (3) Affected propellers manufactured by Hartzell Propeller Inc. after the release date of this Service Bulletin will have 107383 de-ice boots installed.
- (4) After the release date of this Service Bulletin, Hartzell Propeller Inc. will fulfill orders for 105622 de-ice boots with 107383 de-ice boots.
- (5) Contact Hartzell Propeller Inc. about existing inventory/stock of 105622 de-ice boots.

E. Compliance

- (1) When replacement of one or more 105622 de-ice boots on an affected propeller is required, replace all five 105622 de-ice boots with 107383 de-ice boots in accordance with the Accomplishment Instructions in this Service Bulletin.

F. Approval

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

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

G. References

- (1) Hartzell Propeller Inc. Propeller Owner's Manual 147 (61-00-47)
- available on the Hartzell website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Application Guide Manual 159 (61-02-59)
- available on the Hartzell website at www.hartzellprop.com
- (3) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)
- available on the Hartzell website at www.hartzellprop.com

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H. Other Publications Affected

- (1) Hartzell Propeller Inc. Application Guide Manual 159 (61-02-59)
- available on the Hartzell website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)
- available on the Hartzell website at www.hartzellprop.com
- (3) Hartzell Propeller Inc. Standard Practices Manual 202A, Volume 1 (61-01-02)

3. Accomplishment Instructions

A. 107383 De-ice Boot Installation

- (1) Remove the spinner dome in accordance with Hartzell Propeller Inc. Propeller Owner's Manual 147 (61-00-47).
- (2) Remove all five 105622 de-ice boots in accordance with the De-ice Boot Removal/Installation chapter of Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80).

CAUTION: REPLACING THE 105622 DE-ICE BOOT WITH A 107383 DE-ICE BOOT CHANGES THE ITEM NUMBER OF THE BLADE. REFER TO THE HARTZELL PROPELLER INC. APPLICATION GUIDE MANUAL 159 (61-02-59) TO DETERMINE THE NEW BLADE ITEM NUMBER.

- (3) Install five 107383 de-ice boots in accordance with the instructions for the applicable blade item number in the De-ice Boot Removal/Installation chapter of Hartzell Propeller Inc. Ice Protection System Manual 180 (30-61-80).
- (4) Install the spinner dome in accordance with Hartzell Propeller Inc. Propeller Owner's Manual 147 (61-00-47).
- (5) Make an entry in the propeller logbook indicating that the 105622 de-ice boots were replaced with 107383 de-ice boots 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.

C. Contact Information

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