

HARTZELL PROPELLER INC.
SERVICE LETTER
TRANSMITTAL PAGE

HC-SL-30-260

**De-ice Boots, Anti-icing Boots, and
Airframe Mounted Ice Protection System Components**

October 27, 2014

This page transmits a revision to Service Letter HC-SL-30-260.

- Original Issue, dated Aug 08/06
- Revision 1, dated Aug 29/06
- Revision 2, dated Sep 28/06
- Revision 3, dated Oct 31/06
- Revision 4, dated Dec 01/06
- Revision 5, dated Mar 19/07
- Revision 6, dated Apr 16/07
- Revision 7, dated Aug 07/07
- Revision 8, dated Sep 17/07
- Revision 9, dated Nov 14/07
- Revision 10, dated Feb 07/08
- Revision 11, dated Jun 26/08
- Revision 12, dated Nov 05/08
- Revision 13, dated Feb 17/09
- Revision 14, dated Jul 15/09
- Revision 15, dated Sep 10/09
- Revision 16, dated Jun 15/10
- Revision 17, dated Oct 27/10
- Revision 18, dated Mar 28/11
- Revision 19, dated Mar 14/12
- Revision 20, dated May 15/12
- Revision 21, dated Mar 18/13
- Revision 22, dated Oct 27/14

FAA approval has been obtained on technical data in this publication that affects type design.

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

This revision is issued to change the following in the Service Letter:

- Additional part numbers of Hartzell Propeller Inc. manufactured de-ice components.

This Service Letter is reissued in its entirety.

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1. Planning Information

A. Effectivity

- (1) Airframe mounted ice protection system components listed in Table 1 of this Service Letter are affected by this Service Letter.
- (2) Hartzell Propeller Inc. propellers with de-ice boots or anti-icing boots listed in Table 2 of this Service Letter are affected by this Service Letter.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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. 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) An aircraft may have de-ice boots, anti-icing boots, or airframe mounted ice protection system components that have been supplied by manufacturers other than Hartzell Propeller Inc.
- (2) Hartzell Propeller Inc. has developed de-ice boots, anti-icing boots, and airframe mounted ice protection system components.
- (3) Hartzell Propeller Inc. has obtained FAA approval for installation of airframe mounted ice protection system components onto aircraft approved for use with Hartzell Propeller Inc. propellers.
- (4) Hartzell Propeller Inc. has obtained FAA approval for installation of de-ice boots and anti-icing boots onto Hartzell Propeller Inc. propellers.

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- (5) The Manager, FAA, Chicago Aircraft Certification Office, ACE 115C, has found compliance with the applicable paragraphs of 14 CFR Part 23 and Part 25 and approves the installation of these components.

D. Description

- (1) This document provides Additional Maintenance Instruction (AMI).
- (2) This Service Letter introduces airframe mounted ice protection system components manufactured by Hartzell Propeller Inc. When installed on an aircraft approved for use with Hartzell Propeller Inc. propellers, the Hartzell Propeller Inc. components are FAA approved alternates for the currently approved components as shown in Table 1 of this Service Letter.

NOTE: Refer to Hartzell Propeller Inc. Application Guide 159 (61-02-59) for approved Hartzell Propeller Inc. propeller installations.

- (3) This Service Letter introduces the part numbers of the de-ice boots and anti-icing boots manufactured by Hartzell Propeller Inc. When installed on Hartzell propellers, the Hartzell Propeller Inc. de-ice boots and anti-icing boots supersede de-ice boots and anti-icing boots from other manufacturers as shown in Table 2 of this Service Letter.
- (4) Hartzell Propeller Inc. only approves installation of de-ice boots and anti-icing boots supplied by Hartzell Propeller Inc.

E. Approval

- (1) FAA approval has been obtained on the technical data in this publication.

F. Compliance

- (1) Refer to the approved aircraft installation data to determine installation eligibility. Hartzell Propeller Inc. Application Guide 159 is an FAA accepted source for this information.
- (2) When replacement is required,
- (a) Install de-ice boots and anti-icing boots manufactured by Hartzell Propeller Inc. Refer to Table 2 of this Service Letter or Hartzell Propeller Inc. Application Guide 159 (61-02-59) for approved part numbers.
- (b) Other manufacturer's de-ice boots and anti-icing boots, if received from Hartzell Propeller Inc., may be installed in place of Hartzell Propeller Inc. de-ice boots and anti-icing boots.

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- (c) Refer to Table 1 of this Service Letter or Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80) for approved airframe mounted ice protection system components.

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. Application Guide 159 (61-02-59)
- (2) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)

H. Other Publications Affected

- (1) Hartzell Propeller Inc. Application Guide 159 (61-02-59)
- (2) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)

2. Accomplishment Instructions

A. Instructions for Continued Airworthiness (ICA)

- (1) Instructions for continued airworthiness for de-ice boots, anti-icing boots, and airframe mounted ice protection system components manufactured or supplied by Hartzell Propeller Inc. are provided in the Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80) or this Service Letter.
- (2) De-ice boots, anti-icing boots, and airframe mounted ice protection system components not manufactured or supplied by Hartzell Propeller Inc. are controlled by the TC or STC holder's Instructions for Continued Airworthiness (ICA).

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B. Installation

- (1) Install Hartzell Propeller Inc. airframe mounted ice protection system components in accordance with the appropriate TC or STC holder's approved installation instructions for the corresponding component.
- (2) Install Hartzell Propeller Inc. de-ice boots and anti-icing boots in accordance with Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80).

NOTE: If boots from different manufacturers are intermixed on a propeller assembly, static and/or dynamic balancing of the assembly may be required.

C. Inspection, Repair, and Overhaul

- (1) Airframe mounted ice protection system components should be inspected as required in accordance with the approved aircraft maintenance manual.
- (2) Perform periodic inspections of de-ice boots and anti-icing boots in accordance with Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80). De-ice boots and anti-icing boots are to be replaced at propeller overhaul.

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<u>Hartzell P/N</u>	<u>Previous Manufacturer</u>	<u>Alternate Manufacturer Part Number</u>	<u>Description</u>
1H1111	Goodrich	1E1111	Switch Face Plate
1H1157	Goodrich	1E1157	Brush Block Shim
2H1212	Goodrich	2E1212	Alignment Shim
2H1900-1	Goodrich	2E1900-1	Circuit Breaker Switch
3H1389-1	Goodrich	3E1389-1	Ammeter
3H1389-2	Goodrich	3E1389-2	Ammeter
3H1389-7	Goodrich	3E1389-7	Ammeter
3H1461	Goodrich	3E1461	Brush Block Bracket
3H1872-3	Goodrich	3E1872-3	Ammeter
3H1872-4	Goodrich	3E1872-4	Ammeter
3H2223	Goodrich	3E2223	Brush Block Bracket
3H2237	Goodrich	3E2237	Brush Block Bracket
3H2042-1	Goodrich	3E2042-1	Brush Block Assembly
3H2042-2	Goodrich	3E2042-2	Brush Block Assembly
3H2044-1	Goodrich	3E2044-1	Brush Block Assembly
3H2044-3	Goodrich	3E2044-3	Brush Block Assembly
3H2044-4	Goodrich	3E2044-4	Brush Block Assembly
3H2062-2	Goodrich	3E2062-2	Brush Block Assembly
3H2071	Goodrich	3E2071	Brush Block Assembly
3H2090-1	Goodrich	3E2090-1	Brush Block Assembly
3H2090-2	Goodrich	3E2090-2	Brush Block Assembly
3H2581-2	Goodrich	3E2581-2	Brush Block Bracket
4H1817-1	Goodrich	4E1817-1	Brush Block Bracket
4H3076-1	Goodrich	4E3076-1	MOV Assembly
4H3076-3	Goodrich	4E3076-3	MOV Assembly

**Propeller System Accessories Cross Reference
Table 1**

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<u>Hartzell P/N</u>	<u>Previous Hartzell P/N</u>	<u>Description</u>	<u>Previous Manufacturer</u>	<u>Superseded Manufacturer's P/N</u>
102155	7931-37572	Anti-icing Boot	Goodrich	37572
102155	7931-MHG2841	Anti-icing Boot	De-icers Limited	MHG2841
4H1188-3	7931-4E1188-3	De-ice Boot	Goodrich	4E1188-3
4H1188-4	7931-4E1188-4	De-ice Boot	Goodrich	4E1188-4
4H1188-5	7931-4E1188-5	De-ice Boot	Goodrich	4E1188-5
4H1188-6	7931-4E1188-6	De-ice Boot	Goodrich	4E1188-6
4H1188-7	7931-4E1188-7	De-ice Boot	Goodrich	4E1188-7
4H1188-10	7931-4E1188-10	De-ice Boot	Goodrich	4E1188-10
4H1188-11	7931-4E1188-11	De-ice Boot	Goodrich	4E1188-11
4H1188-14	7931-4E1188-14	De-ice Boot	Goodrich	4E1188-14
4H1214-2	7931-4E1214-2	De-ice Boot	Goodrich	4E1214-2
4H1214-7	7931-4E1214-7	De-ice Boot	Goodrich	4E1214-7
4H1214-10	7931-4E1214-10	De-ice Boot	Goodrich	4E1214-10
4H1601-3	7931-4E1601-3	De-ice Boot	Goodrich	4E1601-3
4H1601-4	7931-4E1601-4	De-ice Boot	Goodrich	4E1601-4
4H1601-5	7931-4E1601-5	De-ice Boot	Goodrich	4E1601-5
4H1601-7	7931-4E1601-7	De-ice Boot	Goodrich	4E1601-7
4H1601-10	7931-4E1601-10	De-ice Boot	Goodrich	4E1601-10
4H1601-14	7931-4E1601-14	De-ice Boot	Goodrich	4E1601-14
4H1895-2	7931-4E1895-2	De-ice Boot	Goodrich	4E1895-2
4H1895-7	7931-4E1895-7	De-ice Boot	Goodrich	4E1895-7
4H1895-10	7931-4E1895-10	De-ice Boot	Goodrich	4E1895-10
4H2200-2	7931-4E2200-2	De-ice Boot	Goodrich	4E2200-2
4H2200-3	7931-4E2200-3	De-ice Boot	Goodrich	4E2200-3
4H2200-10	7931-4E2200-10	De-ice Boot	Goodrich	4E2200-10
4H2200-21	7931-4H2200-21	De-ice Boot	Goodrich	4E2200-21
4H2271-10	7931-4E2271-10	De-ice Boot	Goodrich	4E2271-10
4H2271-12	7931-4E2271-12	De-ice Boot	Goodrich	4E2271-12
4H2271-13	7931-4E2271-13	De-ice Boot	Goodrich	4E2271-13
4H2271-14	7931-4E2271-14	De-ice Boot	Goodrich	4E2271-14
4H2271-15	7931-4E2271-15	De-ice Boot	Goodrich	4E2271-15

**De-ice Boot and Anti-icing Boot Cross Reference
Table 2**

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<u>Hartzell P/N</u>	<u>Previous Hartzell P/N</u>	<u>Description</u>	<u>Previous Manufacturer</u>	<u>Superseded Manufacturer's P/N</u>
4H2292-10	7931-4E2292-10	De-ice Boot	Goodrich	4E2292-10
4H2303-10	7931-4E2303-10	De-ice Boot	Goodrich	4E2303-10
4H2336-12	7931-4E2336-12	De-ice Boot	Goodrich	4E2336-12
4H2351-3	7931-4E2351-3	De-ice Boot	Goodrich	4E2351-3
4H2560-10	7931-4E2560-10	De-ice Boot	Goodrich	4E2560-10
4H2575-7	7931-4E2575-7	De-ice Boot	Goodrich	4E2575-7
4H2575-10	7931-4E2575-10	De-ice Boot	Goodrich	4E2575-10
4H2595-7	7931-4E2595-7	De-ice Boot	Goodrich	4E2595-7
4H2595-10	7931-4E2595-10	De-ice Boot	Goodrich	4E2595-10
4H2598-10	7931-4E2598-10	De-ice Boot	Goodrich	4E2598-10
4H2635-10	7931-4E2635-10	De-ice Boot	Goodrich	4E2635-10
4H2824-10	7931-4E2824-10	De-ice Boot	Goodrich	4E2824-10
4H2839-1	7931-4E2839-1	De-ice Boot	Goodrich	4E2839-1
4H2890-07	7931-4E2890-07	De-ice Boot	Goodrich	4E2890-07
4H3017-1	7931-4E3017-1	De-ice Boot	Goodrich	4E3017-1
4H3035-10	7931-4E3035-10	De-ice Boot	Goodrich	4E3035-10
4H3048-10	7931-4E3048-10	De-ice Boot	Goodrich	4E3048-10
4H3051-10	7931-4E3051-10	De-ice Boot	Goodrich	4E3051-10
4H3055-1	7931-4E3055-1	De-ice Boot	Goodrich	4E3055-1
4H3064-1	7931-4E3064-1	De-ice Boot	Goodrich	4E3064-1
4H3101-1	7931-4E3101-1	De-ice Boot	Goodrich	4E3101-1
4H3101-7	7931-4E3101-7	De-ice Boot	Goodrich	4E3101-7
4H3400-1	7931-4E3400-1	De-ice Boot	Goodrich	4E3400-1
4H3436-10	7931-4E3436-10	De-ice Boot	Goodrich	4E3436-10
4H3462-1	7931-4E3462-1	De-ice Boot	Goodrich	4E3462-1
4H3997-1	7931-4E3997-1	De-ice Boot	Goodrich	4E3997-1
4H4048-10	7931-4E4048-10	De-ice Boot	Goodrich	4E4048-10
4H4072-1	7931-4E4072-1	De-ice Boot	Goodrich	4E4072-1
4H4072-2	7931-4E4072-2	Boot, Non-functioning	Goodrich	4E4072-2
5H2429-1	7931-5E2429-1	De-ice Boot	Goodrich	5E2429-1
H6975-11		De-ice Boot	Goodrich	6975-11

**De-ice Boot and Anti-icing Boot Cross Reference
Table 2 (Continued)**

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