

HARTZELL PROPELLER INC.
SERVICE LETTER
TRANSMITTAL SHEET
HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

March 6, 2013

This page transmits a revision to Service Letter HC-SL-30-279.

- Original Issue, dated May 19/08
- Revision 1, dated Oct 09/09
- Revision 2, dated Mar 11/11
- Revision 3, dated Nov 10/11
- Revision 4, dated Feb 15/12
- Revision 5, dated Aug 27/12
- Revision 6, dated Sept 05/12
- Revision 7, dated Nov 16/12
- Revision 8, dated Mar 06/13

Propeller assemblies that have complied with a previous revision of this Service Letter are not affected by this revision.

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:

- Corrected the de-ice boot for the Cessna 441

This Service Letter has been reissued in its entirety.

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TRANSMITTAL SHEET

HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

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SERVICE LETTER

HC-SL-30-279

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1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. propellers installed on aircraft listed in Table 1 of this Service Letter are affected by this Service Letter.

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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) An aircraft may have propeller mounted ice protection system components that have been supplied by Hartzell Propeller Inc. or by manufacturers other than Hartzell Propeller Inc.
- (2) Hartzell Propeller Inc. has received reports of fit and/or durability problems with certain propeller mounted ice protection system components installed on aircraft listed in Table 1 of this Service Letter.
- (3) Hartzell Propeller Inc. has designed replacement propeller mounted ice protection system components to correct fit and/or durability problems.
- (4) The installation procedures for new components, when different than currently installed component, are specified in Table 1 of the Service Letter.
- (5) This Service Letter introduces and approves replacement propeller mounted ice protection system components approved under Part 35. Additional FAA approval under 14 Code of Federal Regulations (CFR) Part 23 and 25 is not required for field installation of these replacement components. Icing certification is not affected by this change.

May 19/08

Revision 8, dated Mar 06/13

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HC-SL-30-279

Page 1 of 6

HARTZELL PROPELLER INC.
SERVICE LETTER

HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

D. Description

- (1) This document provides Instructions for Continued Airworthiness (ICA).
- (2) This Service Letter introduces propeller 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.
 - (a) Refer to Hartzell Propeller Inc. Application Guide 159 (61-02-59) for approved Hartzell Propeller Inc. propeller and de-ice installations.

E. Approval

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

F. Compliance

- (1) To determine installation eligibility, refer to Table 1 of this Service Letter or Hartzell Propeller Inc. Application Guide 159.
- (2) When replacement is required,
 - (a) Refer to Table 1 of this Service Letter for propeller mounted ice protection system components manufactured by Hartzell Propeller Inc.

G. Weight and Balance

- (1) Not changed

H. Electrical Load Data

- (1) Not changed

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

I. References

- (1) Hartzell Propeller Inc. Service Letter HC-SL-30-260
- (2) Hartzell Propeller Inc. Service Letter HC-SL-30-284
- (3) Hartzell Propeller Inc. Service Letter HC-SL-30-285
- (4) Hartzell Propeller Inc. Service Letter HC-SL-30-295

HARTZELL PROPELLER INC.
SERVICE LETTER

HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

- (5) Hartzell Propeller Inc. Service Letter HC-SL-30-306
 - (6) Hartzell Propeller Inc. Service Letter HC-SL-30-307
 - (7) Hartzell Propeller Inc. Service Letter HC-SL-30-309
 - (8) Hartzell Propeller Inc. Service Letter HC-SL-30-310
 - (9) Hartzell Propeller Inc. Service Letter HC-SL-30-311
 - (10) Hartzell Propeller Inc. Service Letter HC-SL-30-312
 - (11) Hartzell Propeller Inc. Service Letter HC-SL-30-313
 - (12) Hartzell Propeller Inc. Service Letter HC-SL-30-314
 - (13) Hartzell Propeller Inc. Service Letter HC-SL-30-315
 - (14) Hartzell Propeller Inc. Service Letter HC-SL-30-316
 - (15) Hartzell Propeller Inc. Service Letter HC-SL-30-317
 - (16) Hartzell Propeller Inc. Service Letter HC-SL-30-322
 - (17) Hartzell Propeller Inc. Service Letter HC-SL-30-323
 - (18) Hartzell Propeller Inc. Service Letter HC-SL-30-326
 - (19) Hartzell Propeller Inc. Service Letter HC-SL-30-327
 - (20) Hartzell Propeller Inc. Service Letter HC-SL-30-328
 - (21) Hartzell Propeller Inc. Service Letter HC-SL-30-333
 - (22) Hartzell Propeller Inc. Application Guide 159 (61-02-59)
 - (23) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)
 - (24) Hartzell Propeller Inc. Propeller Ice Protection System Component Maintenance Manual 181 (30-61-81)
- J. 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)
 - (3) Hartzell Propeller Inc. Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82)

HARTZELL PROPELLER INC.
SERVICE LETTER

HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

2. Accomplishment Instructions

A. Installation instructions for a de-ice boot.

- (1) Refer to Table 1 of this Service Letter for the applicable de-ice boot part number.
- (2) Refer to the applicable Installation Instruction Document for installation instructions for the de-ice boot. Refer to Table 1.

B. Installation instructions for propeller mounted ice protection system components.

- (1) Refer to Table 1 of this Service Letter for the applicable de-ice kit part number.
- (2) Refer to the applicable Installation Instruction Document for install instructions for the de-ice kit. Refer to Table 1.

C. Instructions for continued airworthiness.

- (1) Hartzell Propeller Inc. Propeller Ice Protection System Component Maintenance Manual 181 (30-61-81) provides instructions for continued airworthiness for propeller mounted ice protection system components.
- (2) Hartzell Propeller Inc. Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82) provides instructions for continued airworthiness for de-ice boot.

NOTE: Hartzell Propeller Inc. de-ice manuals are available on the Hartzell Propeller Inc. website at www.hartzellprop.com.

HARTZELL PROPELLER INC.

SERVICE LETTER

HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

Aircraft	TC or STC Approval	Propeller/ Blade	Superseded De-ice Boot	New De-ice Boot	Installation Instruction Document
Beech Baron 58()	SA5533NM and SA02427CH-D	PHC-J3YF-2UF/ FC7663-2R	4H2271-13	102746	HC-SL-30-285
Beech 65-A90, B90, C90, C90A, E90	SA3593NM	HC-D4N-3C/ D9290K	4H2271-10	4H2271-12	HC-SL-30-309
Beech C90, C90A, E90	SA10341SC	HC-D4N-3C/ D9290(S)K	4H2271-10	4H2271-12	HC-SL-30-314
Beech C90GT	TC	HC-E4N-3N/ D8990SK	4H2271-10	4H2271-12	HC-SL-30-323
Beech F90	SA4131NM	HC-D4N-3C/ D9290SK	4H2271-10	4H2271-12	HC-SL-30-315
Beech 100, A100	SA5661NM	HC-D4N-3C/ D9290K	4H2271-10	4H2271-12	HC-SL-30-316
Beech 200, B200	SA2698NM-S	HC-D4N-3A/ D9383K	4H2271-10	4H2271-12	HC-SL-30-311
Beech B200(C)(G)(T)	TC	HC-E4N-3G/ D9390SK-1R	4H2271-10	103880	HC-SL-30-322 Revision 2
Cessna 310()	SA234CH	PHC-J3YF-2UF/ FC7663DB-2R()	4H1601-10	4H1601-14	HC-SL-30-313
Cessna 310(I,P,Q,R) T310(P,Q,R)	SA234CH	PHC-C3YF-2UF/ FC7663DB-2R()	4H1601-10	4H1601-14	HC-SL-30-313
Cessna 414A	SA4546SW	PHC-C3YF-2UF/ FC7663DB-2Q	4H1601-10	4H1601-14	HC-SL-30-306
Cessna P337H, T337G (front)	SA00080LA	PHC-G3YF-2UF/ FC7663DB-2R	4H1601-10	4H1601-14	HC-SL-30-310
Cessna 441	SA00058AT	HC-E4N-5(A,B)/ E8501K	4H2271-10	102643	HC-SL-30-328 Revision 2
De Havilland Twin Otter DHC-6-300	SA3532NM	HC-D4N-3C/ D9290K	4H2271-10	4H2271-12	HC-SL-30-312
Fairchild Aircraft Metro II, SA226-TC	SA01462NY	HC-E4N-5D D9690B	4H1601-10	102878	HC-SL-30-317
Korean Aerospace KT-1	TC	HC-E4N-2C/ E9512CB-1(*1)	4H1601-10	102878	HC-SL-30-307

Installation Approvals Table 1, page 1 of 2

May 19/08
Revision 8, dated Mar 06/13

HC-SL-30-279
Page 5 of 6

HARTZELL PROPELLER INC.
SERVICE LETTER

HC-SL-30-279

De-ice: Hartzell De-ice Boots and De-ice Kits

Aircraft	TC or STC Approval	Propeller/ Blade	Superseded De-ice Boot	New De-ice Boot	Installation Instruction Document
Korean Aerospace KT-1C	TC	HC-E4N-2C/ E9512CB-1(*1)	4H1601-10	102878	HC-SL-30-307
Korean Aerospace KT-1T	TC	HC-E4N-2C/ E9512CB-1*2	4H1601-10	102878	HC-SL-30-307
Pilatus PC-12	TC	HC-E4A-3D/ E10477(S)K	4H3051-10	102855	HC-SL-30-295
Piper PA-46	ST00541SE	HC-E4N-3I/ E8501B-3.5	4H1601-10	102878	HC-SL-30-326
Piper PA-46-500TP	TC	HC-E4N-3Q/ E8501B-3.5	4H1601-10	102878	HC-SL-30-327
Polish Aviation (MIELEC) M-28B, BRYZA-1R	TC	HC-B5MP-3(D,G)/ M10876ANSK*4	4H4048-10	103020	HC-SL-30-333
Socata TBM-700	TC	HC-E4N-3/ E9083SK	4H2271-10	102643	HC-SL-30-284
Socata TBM-850	TC	HC-E4N-3/ E9083SK	4H2271-10	102643	HC-SL-30-284

Installation Approvals
Table 1, page 2 of 2