

HARTZELL PROPELLER INC.
SERVICE LETTER
TRANSMITTAL SHEET
HC-SL-30-335
De-ice: Restrainer Strap Installation

November 01, 2019

This page transmits a revision to Service Letter HC-SL-30-335.

- Original Issue, dated Nov 16/12
- Revision 1, dated Aug 19/13
- Revision 2, dated Apr 27/17
- Revision 3, dated Nov 01/19

Propeller assemblies that have complied with a previous revision of this Service Letter are affected.

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:

- Revise Table 1, "Affected Applications"
- Made other language/format changes

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1. Planning Information

A. Effectivity

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

NOTE: Affected propeller models use the 4E1513() bracket to hold the de-ice boot lead against the blade.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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) The current installation configuration requires the use of 4E1513() bracket to hold the de-ice boot lead strap against the blade.
- (2) Use of a 2H1291 restrainer strap on non-counterweighted blades or a B-3852-6-0 tie strap on counterweighted blades is a product improvement.
- (3) Installation of a 2H1291 restrainer strap on non-counterweighted blades or a B-3852-6-0 tie strap on counterweighted blades reduces the labor required for installation of the 4E1513() bracket and other de-ice components.
- (4) Regulatory action is not expected.

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D. Description

- (1) This document provides Additional Maintenance Information (AMI).
- (2) This Service Letter introduces the 2H1291 restrainer strap as an optional method for retention of the de-ice boot lead strap to the blade for non-counterweighted blades.
- (3) This Service Letter permits installation of the 2H1291 restrainer strap in place of the 4E1513() bracket for the non-counterweighted blades on applications listed in Table 1.
- (4) Revision 1 of this Service Letter introduces the B-3852-6-0 tie strap as an optional method for retention of the de-ice boot lead strap to the blade on counterweighted blades on applications listed in Table 1.
- (5) Propeller assemblies and propeller blades for the applications listed in Table 1, will begin shipping from Hartzell Propeller Inc. with the 2H1291 restrainer straps installed or the B-3852-6-0 tie straps installed, as applicable.

E. Compliance

- (1) As required during installation of de-ice components.

F. Approval

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

G. Manpower

- (1) No additional man hours are required.

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H. References

- (1) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)

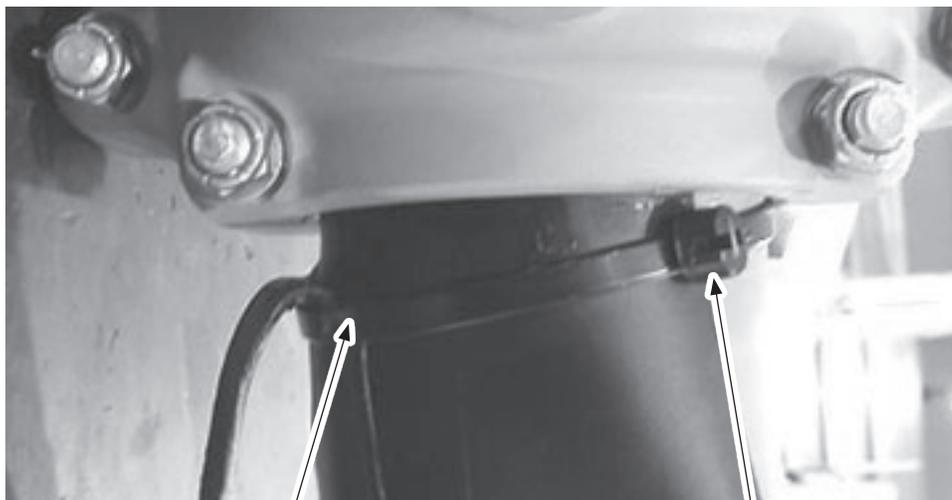
I. Other Publications Affected

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

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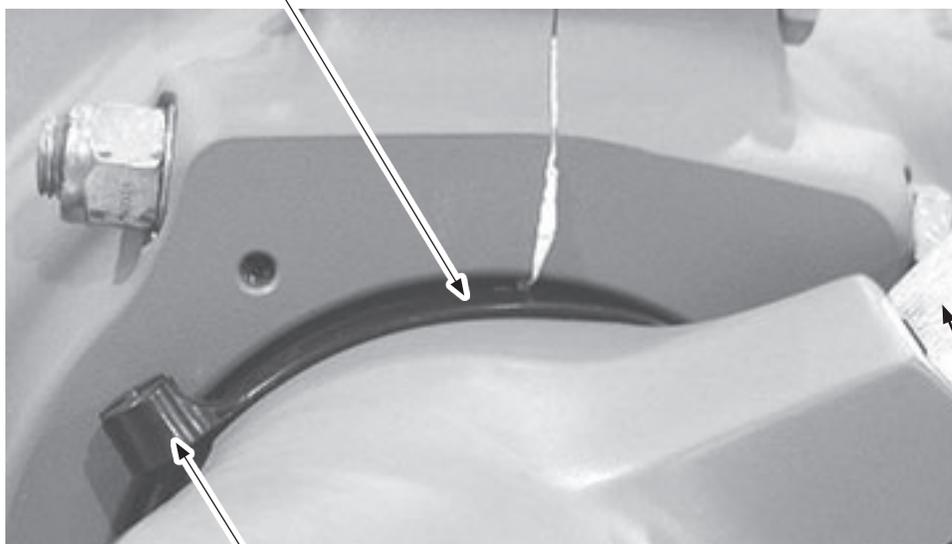
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Tie Strap

Locate head of tie strap as shown



Locate head of tie strap as shown

Counterweight

TI-SL335-001, TI-SL335-002

B-3852-6-0 Tie Strap Installation on Counterweighted Blades

Figure 1

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2. Accomplishment Instructions

A. Installation instructions for a de-ice boot:

- (1) Remove the de-ice boot in accordance with Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80).
- (2) For non-counterweighted propeller assemblies:
 - (a) Install the de-ice boot and the 2H1291 restrainer strap in accordance with Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80).
 - (b) All blades in a propeller assembly must be the same configuration.
 - 1 If one or more blades in a propeller assembly have a 4E1513() bracket installed, all blades in the propeller assembly must have a 4E1513() bracket installed.
 - 2 If one or more blades in a propeller assembly have a 2H1291 restrainer strap installed, all blades in the propeller assembly must have a 2H1291 restrainer strap installed.
 - 3 If one or more blades in a propeller assembly have a 4E1513() bracket and a 2H1291 restrainer strap installed, all blades in the propeller assembly must have a 4E1513() bracket and a 2H1291 restrainer strap installed.

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- (3) For counterweighted propeller assemblies:
- (a) Install the de-ice boot in accordance with Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80).
 - (b) Install and tighten the B-3852-6-0 tie strap around the bottom of the de-ice boot as shown in Figure 1.
 - (c) All blades in a propeller assembly must be the same configuration.
 - 1 If one or more blades in a propeller assembly have a 4E1513() bracket installed, all blades in the propeller assembly must have a 4E1513() bracket installed.
 - 2 If one or more blades in a propeller assembly have a B-3852-6-0 tie strap installed, all blades in the propeller assembly must have a B-3852-6-0 tie strap installed.
 - 3 If one or more blades in a propeller assembly have a 4E1513() bracket and a B-3852-6-0 tie strap installed, all blades in the propeller assembly must have a 4E1513() bracket and a B-3852-6-0 tie strap installed.
- (4) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80) provides instructions for continued airworthiness for the de-ice boot and the restrainer strap.

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

B. Contact Information

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Aircraft	TC or STC Approval	Propeller/Blade	Goodrich Installation Instruction Document
Aero Commander 500(B,S,U) Shrike Commander	TC 6A1	HC-C3YR-2(U)(F)/ FC8468B-6R	7E1244
Aerostar Aircraft PC-60-601 Aerostar	SA1658NM	HC-C3YR-2LUF/ FJC8468DB-14	Refer to NOTE
Aerostar Aircraft PA-60-600, 601, 601P Aerostar	A17WE	HC-C3YR-2UF/ FC8468-8R	7E1219
Beech 60, A60, B60 Duke	A12CE	HC-F3YR-2(U)(F)/ FC7479B-2R	7E1201
Cessna P210N Javelin Conversion	SA2568NM	HC-F4YR-1()/ F7663DB-6Q	7E1587
Piper PA-23-250, PA-E23-250 Aztec	1A10	HC-E2YR-2RBSF/ F8465B-7R(*1)	7E1207
Piper PA-31P-350 Mojave	TC A8EA	HC-I3YR-2UF/ FC7854K	7E1513
Piper PA-31P-350 Mojave	TC A8EA	HC-I3YR-2LUF/ FJC7854K	7E1513
Piper PA-34-200 Seneca	TC A7SO	HC-C2YK-2CEUF/ FC7666AB	7E1280
Piper PA-34-200 Seneca	TC A7SO	HC-C2YK-2CLEUF/ FJC7666AB	7E1280
NOTE: Goodrich installation instructions are not available. Contact the STC holder for installation instructions.			

Affected Applications
Table 1