

HARTZELL PROPELLER INC.
SERVICE LETTER

HC-SL-30-313

**De-ice: Hartzell De-ice Boots for Cessna 310(), 310(I,P,Q,R),
and T310(P,Q,R) Installed Under
Hartzell Propeller Inc. STC SA234CH**

1. Planning Information

A. Effectivity

- (1) Hartzell PHC-J3YF-2UF/FC7663DB-2R() propellers installed on Cessna 310() under Hartzell Propeller Inc. STC SA234CH are affected by this Service Letter.
- (2) Hartzell PHC-C3YF-2UF/FC7663DB-2R() propellers installed on Cessna 310(I,P,Q,R), or T310(P,Q,R) under Hartzell Propeller Inc. STC SA234CH are affected by this Service Letter.

B. Reason

- (1) Hartzell Propeller Inc. has received reports from the field of de-ice boot leadwires coming loose from the blade shank. The leadwires are bonded to the blade shank with adhesive.
 - (a) Refer to Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82) for repair procedures for loose lead wires.
- (2) This Service Letter introduces installation of de-ice boot P/N 4H1601-14 on the affected installation. The P/N 4H1601-14 de-ice boot has a bent lead strap to cover the leadwires. Refer to Figure 1.
- (3) The bent lead strap is secured to the blade and prevents the leadwires from coming loose.
- (4) Hartzell Propeller Inc. has obtained FAA approval for installation of de-ice boots on Hartzell propellers.
- (5) Regulatory action is not expected.

C. Description

- (1) This Service Letter permits installation of P/N 4H1601-14 de-ice boots and the P/N 4H1601-10 or 7931-4E1601-10 de-ice boots on the same propeller assembly.

NOTE: Refer to the approved aircraft installation data to determine installation eligibility. Hartzell Service Letters HC-SL-30-260 and HC-SL-30-279 and Hartzell Application Guide 159 are FAA accepted sources for this information.

- (2) Propeller assemblies shipped from Hartzell Propeller Inc. will have the P/N 4H1601-14 de-ice boots installed.

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D. Compliance

- (1) If the de-ice boot replacement is required, replace the de-ice boot with P/N 4H1601-14, 4H1601-10, or 7931-4E1601-10 de-ice boots in accordance with the Accomplishment Instructions in this Service Letter.
 - (a) De-ice boots P/N 4H1601-14, 4H1601-10, or 7931-4E1601-10 may be used. Boots with different part numbers may be intermixed on a propeller assembly.

NOTE: Refer to Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82) for de-ice boot inspection criteria.

E. Approval

- (1) Hartzell Propeller Inc. has obtained FAA approval for installation of de-ice boots on Hartzell propellers. Hartzell Service Letter HC-SL-30-279 provides installation approval for Hartzell de-ice boots on Hartzell propellers.

F. Manpower

- (1) Approximately 2.0 man hour are required to remove and install one de-ice boot.

G. References

- (1) Hartzell Application Guide 159 (61-02-59)
- (2) Hartzell Propeller Ice Protection System Manual 180 (30-61-80)
- (3) Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82)
- (4) Hartzell Service Letter HC-SL-30-260
- (5) Hartzell Service Letter HC-SL-30-279

H. Other Publications Affected

None

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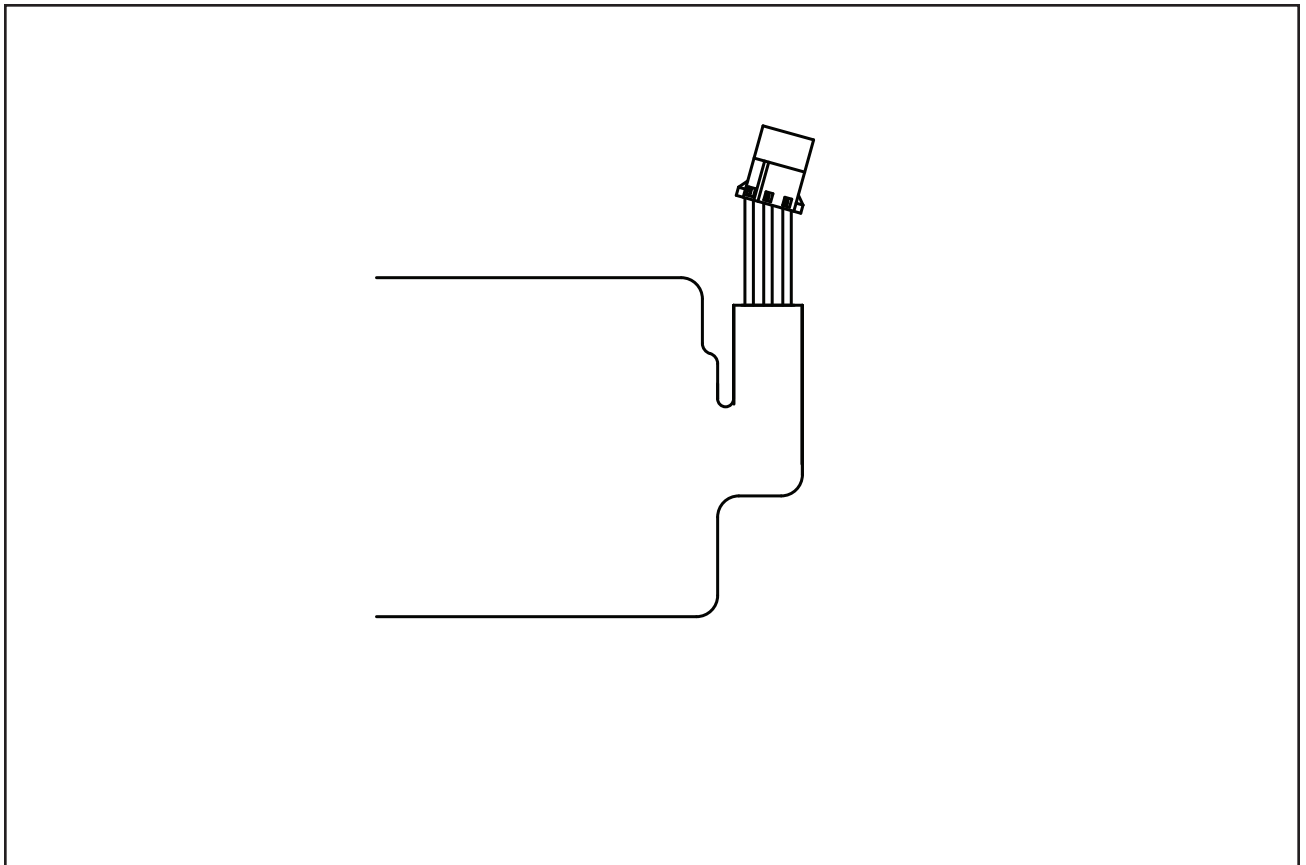
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2. Accomplishment Instructions

A. Installation Instructions For A De-Ice Boot

- (1) Refer to Hartzell Propeller Ice Protection System Manual 180 (30-61-80) for de-ice boot harness routing instructions and applicable parts list.
- (2) Remove the de-ice boot in accordance with Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82).
- (3) Install the de-ice boot in accordance with Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82).



De-ice Boot 4H1601-14 Configuration
Figure 1

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- (4) De-ice boots P/N 4H1601-14, 4H1601-10 and 7931-4E1601-10 may be used.
 - (a) Boots with different part numbers may be intermixed on a propeller assembly.
 - (b) If boots from different manufacturers or different dash numbers are intermixed on a propeller assembly, static and/or dynamic balancing of the assembly may be required.
 - (c) Compliance with Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82) is required when a P/N 4H1601-10 or a 7931-4E1601-10 de-ice boot is installed.

B. Instructions For De-Ice Boot Inspection

- (1) Hartzell Propeller Electrical De-ice Boot Removal and Installation Manual 182 (61-12-82) provides instructions for continued airworthiness for de-ice boot.

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