

HARTZELL PROPELLER INC.
SERVICE LETTER
TRANSMITTAL SHEET
HC-SL-61-187
Propeller - Alternate Lubrication Fittings

March 09, 2022

This page transmits a revision to Service Letter HC-SL-61-187.

- Original Issue, dated Oct 15/98
- Revision 1, dated Nov 20/98
- Revision 2, dated Jun 24/03
- Revision 3, dated Nov 13/09
- Revision 4, dated Nov 18/21
- Revision 5, dated Mar 09/22

Propeller assemblies that have previously complied with an earlier version of this Service Letter are affected.

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

Revision 5 is issued to change the following in the Service Letter:

- Revised the Accomplishment Instructions to check for interference when installing the 65 degree lubrication fitting (p/n 109032) on 4-blade lightweight turbine propellers

This Service Letter is reissued in its entirety.

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1. Planning Information

A. Effectivity

- (1) All Hartzell Propeller Inc. aluminum hub propellers with lubrication fittings are affected by this Service Letter.
 - (a) Hartzell Propeller Inc. Bantam-series (2,3)A()-() () propellers are not 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WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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. 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) Angled lubrication fittings (45 degree or 65 degree) can simplify lubrication of aluminum hub propellers by providing easier access to the fittings.

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D. Description

- (1) This Service Letter provides Additional Maintenance Information (AMI).
- (2) The original issue of this Service Letter introduced the 45 degree lubrication fitting (p/n C-6349) as an alternate for the straight lubrication fitting (p/n A-279) installed on affected propellers.
- (3) Revision 4 to this Service Letter introduces the 65 degree lubrication fitting (p/n 109032) as an alternate for the straight lubrication fitting (p/n A-279) and the 45 degree lubrication fitting (p/n C-6349) installed on affected propellers.
 - (a) At the release date of Revision 4 to this Service Letter, vendor issues have limited the supply of 45 degree lubrication fittings (p/n C-6349). In the event of depleted inventory, Hartzell Propeller Inc. will replace 45 degree fittings with 65 degree lubrication fittings (p/n 109032) in applicable propellers, kits, part orders, etc.

E. Approval

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

F. References

- (1) Hartzell Propeller Inc. propeller owner's manuals:

Manual 115N (61-00-15)	Manual 145 (61-00-45)	Manual 154 (61-00-54)
Manual 131 (61-00-31)	Manual 147 (61-00-47)	Manual 480 (61-00-80)
Manual 136 (61-00-36)	Manual 149 (61-00-49)	Manual 486 (61-00-86)

- (2) Hartzell Propeller Inc. propeller overhaul/maintenance manuals:

Manual 113B (61-10-13)	Manual 144 (61-10-44)	Manual 158A (61-10-58)
Manual 117D (61-10-17)	Manual 152 (61-10-52)	Manual 490 (61-10-90)
Manual 141 (61-10-41)	Manual 155 (61-10-55)	Manual 491 (61-10-91)
Manual 142 (61-10-42)	Manual 156A (61-10-56)	-
Manual 143A (61-10-43)	Manual 157 (61-10-57)	-

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G. Other Publications Affected

(1) Hartzell Propeller Inc. propeller owner's manuals:

Manual 115N (61-00-15)	Manual 145 (61-00-45)	Manual 154 (61-00-54)
Manual 131 (61-00-31)	Manual 147 (61-00-47)	Manual 480 (61-00-80)
Manual 136 (61-00-36)	Manual 149 (61-00-49)	Manual 486 (61-00-86)

(2) Hartzell Propeller Inc. propeller overhaul/maintenance manuals:

Manual 113B (61-10-13)	Manual 144 (61-10-44)	Manual 158A (61-10-58)
Manual 117D (61-10-17)	Manual 152 (61-10-52)	Manual 490 (61-10-90)
Manual 141 (61-10-41)	Manual 155 (61-10-55)	Manual 491 (61-10-91)
Manual 142 (61-10-42)	Manual 156A (61-10-56)	-
Manual 143A (61-10-43)	Manual 157 (61-10-57)	-

2. Material Information

A. Lubrication Fittings

Part Number	Description	Primary/Alternate	Replace at O/H
A-279	Fitting, Lubrication (straight)	Primary	Y
C-6349	Fitting, Lubrication, 45 degree	Alternate for A-279 and 109032	Y
109032	Fitting, Lubrication, 65 degree	Alternate for A-279 and C-6349	Y

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3. Accomplishment Instructions

A. Installing the Lubrication Fittings (straight, 45 degree, and 65 degree)

NOTE: All of the lubrication fittings installed in a hub-half must be the same type (straight, 45 degree, or 65 degree).

- (1) Refer to the applicable propeller owner's manual or overhaul/maintenance manual for the location of the lubrication fittings (engine-side/cylinder-side) for the applicable propeller model.
- (2) Install the lubrication fittings in the applicable side of the hub (engine-side or cylinder-side).

CAUTION: 65 DEGREE LUBRICATION FITTINGS MAY INTERFERE WITH THE HUB ON 4-BLADE LIGHTWEIGHT TURBINE PROPELLERS.

(a) Tighten each lubrication fitting until finger-tight, then tighten one additional 360 degree turn.

1 If installing 65 degree lubrication fittings on a 4-blade lightweight turbine propeller, check for interference between the fitting and the hub.

a If there is interference, repeat step (2)(a) using different 65 degree lubrication fitting(s).

b If necessary, install 45 degree lubrication fittings.

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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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