

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-61-370
Beta System Cleaning Procedure

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propeller models HC-B(3,4,5)()(-3() that are used in agricultural/firefighting installations 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WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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. 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) Chemical residue can build up on the beta system components of propellers used in agricultural/firefighting installations.
- (2) Hartzell Propeller Inc. has tested and approved a cleaning process to remove chemical residue from the beta system components on affected propellers.

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D. Description

- (1) This Service Letter provides Additional Maintenance Information (AMI).
- (2) This Service Letter provides instructions for cleaning the beta system components on affected propellers.

E. Approval

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

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THE MOST RECENT REVISION OF A DOCUMENT.

F. References

- (1) Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39)
Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Propeller Owner's Manual 146 (61-00-46)
Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (3) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02)
- Volume 7, Consumable Materials is available on the Hartzell Propeller Inc.
website at www.hartzellprop.com

2. Material Information

A. Consumables

<u>CM Number</u>	<u>Description</u>
CM23	Stoddard Solvent

NOTE: All CM numbers in this Service Letter refer to the Consumable Materials chapter of Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02).

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3. Accomplishment Instructions

CAUTION: INSTRUCTIONS AND PROCEDURES IN THIS SERVICE LETTER MAY INVOLVE PROPELLER CRITICAL PARTS. REFER TO THE APPLICABLE PROPELLER OVERHAUL OR OWNER'S MANUAL FOR INFORMATION ABOUT PROPELLER CRITICAL PARTS.

A. Cleaning Procedure

- (1) Clean the propeller in accordance with the instructions in the Maintenance chapter of the applicable Hartzell Propeller Inc. Owner's Manual.
- (2) Clean the beta rods, guide collar bushings, and guide lug bushings in accordance with the following steps:
 - (a) Using a clean cloth dampened with Stoddard solvent CM23 or equivalent, wipe the beta system components.
 - (b) Fill a spray bottle with a non-caustic/non-acidic soap solution (example: Dawn® dishwashing soap).
 - (c) Spray the soap solution on the beta system components.
 - (d) Using a nylon brush, gently brush the beta system components to remove any chemical residue.
 - (e) Using clean water, rinse the soap solution off of the beta system components.
 - (f) Using a clean dry cloth, dry the beta system components.

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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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