

HARTZELL PROPELLER INC.
SERVICE LETTER

HC-SL-61-364

Propeller - Corrosion Inhibitor on Counterweights

1. Planning Information

A. Effectivity

- (1) All Hartzell Propeller Inc. propeller models with bolt-on, steel counterweights 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WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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) The bolt-on, steel counterweights on propellers manufactured after the release date of this Service Letter will be coated with corrosion inhibitor CM352 by Hartzell Propeller Inc. during the assembly process.
 - (a) Corrosion inhibitor CM352 is applied to prevent corrosion on the counterweight.
 - (b) Periodic re-application of the corrosion inhibitor CM352 will provide extended protection from corrosion.
 - 1 Hartzell Propeller Inc. recommends re-application of the corrosion inhibitor CM352 at regularly scheduled intervals, similar to the lubrication interval specified in the applicable propeller owner's manual.

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D. Description

- (1) This Service Letter provides Additional Maintenance Information (AMI).
- (2) This Service Letter provides instructions for applying corrosion inhibitor CM352 to the blade counterweights on affected propellers.

E. Approval

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

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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

F. References

- (1) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02)
- Volume 7, Consumable Materials/Packaging and Storage is available on the Hartzell website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Propeller Owner's Manuals listed below:

Manual 115N (61-00-15)	Manual 154 (61-00-54)
Manual 131 (61-00-31)	Manual 167 (61-00-67)
Manual 136 (61-00-36)	Manual 168 (61-00-68)
Manual 139 (61-00-39)	Manual 169 (61-00-69)
Manual 140 (61-00-40)	Manual 174 (61-00-74)
Manual 145 (61-00-45)	Manual 175 (61-00-75)
Manual 146 (61-00-46)	Manual 411 (61-00-11)
Manual 147 (61-00-47)	Manual 480 (61-00-80)
Manual 149 (61-00-49)	Manual 486 (61-00-86)

NOTE: All of the Hartzell Propeller Inc. propeller owner's manuals listed are available on the Hartzell website at www.hartzellprop.com.

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G. Other Publications Affected

- (1) Hartzell Propeller Inc. Aluminum Blade Overhaul Manual 133C (61-13-33)
- (2) Hartzell Propeller Inc. Composite Propeller Blade Maintenance Manual 135F (61-13-35)
- (3) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02) - Volume 5, Blade Clamp Overhaul
- (4) Hartzell Propeller Inc. Propeller Owner's Manuals listed below:

Manual 115N (61-00-15)	Manual 154 (61-00-54)
Manual 131 (61-00-31)	Manual 167 (61-00-67)
Manual 136 (61-00-36)	Manual 168 (61-00-68)
Manual 139 (61-00-39)	Manual 169 (61-00-69)
Manual 140 (61-00-40)	Manual 174 (61-00-74)
Manual 145 (61-00-45)	Manual 411 (61-00-11)
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NOTE: All of the Hartzell Propeller Inc. propeller owner's manuals listed are available on the Hartzell website at www.hartzellprop.com.

2. Material Information

A. Consumable Materials

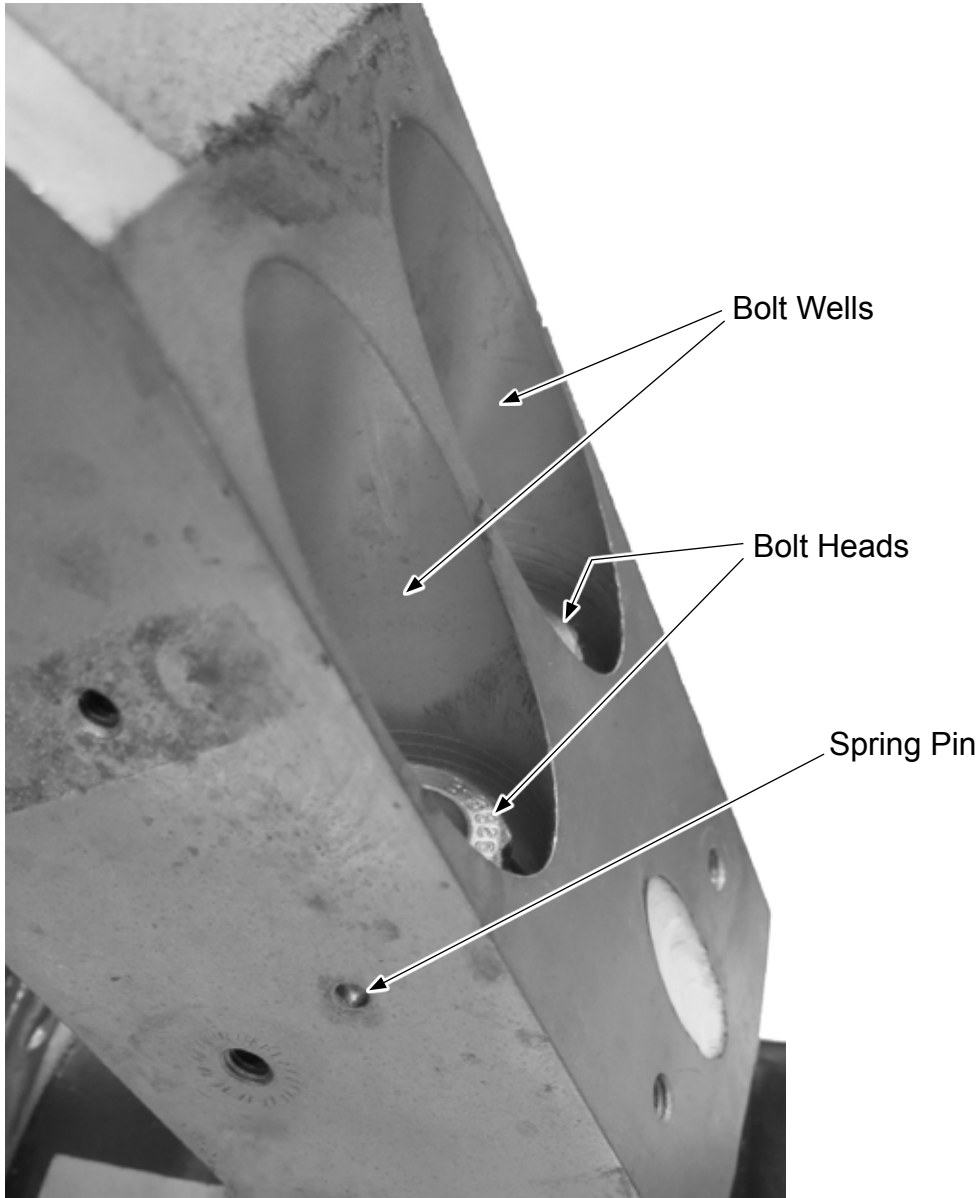
CM Number	Description
CM352	Corrosion Inhibitor

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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TPI-JM-000147

Applying Corrosion Inhibitor CM352
Figure 1

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Propeller - Corrosion Inhibitor on Counterweights

3. Accomplishment Instructions

A. Applying Corrosion Inhibitor CM352

- (1) Remove the spinner dome in accordance with the applicable Hartzell Propeller Inc. propeller owner's manual.

CAUTION: DO NOT APPLY CORROSION INHIBITOR CM352 ONTO ICE PROTECTION SYSTEM COMPONENTS (TERMINAL STRIPS, BOOTS, HARNESSSES, ETC.).

- (2) Spray the corrosion inhibitor CM352 into a cup or container, then use a soft bristled brush to apply the corrosion inhibitor CM352 to the bolt heads, spring pins, and bolt wells of the counterweight. Refer to Figure 1.
 - (a) Use caution when applying the corrosion inhibitor CM352 around ice protection system components (terminal strips, boots, harnesses, etc.).
 - (b) Make sure the bolt heads, spring pins, and bolt wells are completely covered by the corrosion inhibitor CM352.
 - (c) Optionally, corrosion inhibitor CM352 can be applied to all exposed surfaces of the counterweight.
- (3) Let the corrosion inhibitor CM352 cure for a minimum of three hours before flight.

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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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