

**HARTZELL PROPELLER INC.**  
**ALERT SERVICE BULLETIN**  
**TRANSMITTAL SHEET**  
**HC-ASB-61-333**  
**Propeller - Blade Replacement -**  
**Aero Twin STC SA02291AK**

March 6, 2013

This page transmits a revision to Alert Service Bulletin HC-ASB-61-333.

- Original Issue, dated Sep 07/11
- Revision 1, dated Aug 27/12
- Revision 2, dated Mar 06/13

Propeller assemblies that have previously complied with the inspections required in a previous version of this Alert Service Bulletin are affected.

FAA acceptance has been obtained on technical data in this publication that affects type design.

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 Alert Service Bulletin:

- Modify the compliance criteria
- Modify the length of the warranty
- Change reference to STC SA02291AK in Accomplishment Instructions

HARTZELL PROPELLER INC.

# **ALERT SERVICE BULLETIN**

**TRANSMITTAL SHEET**

**HC-ASB-61-333**

**Propeller - Blade Replacement -  
Aero Twin STC SA02291AK**

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**HARTZELL PROPELLER INC.**  
**ALERT SERVICE BULLETIN**  
**HC-ASB-61-333**  
**Propeller - Blade Replacement -**  
**Aero Twin STC SA02291AK**

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propellers HC-B4TN-5QL with LT10890N(K) blades with serial numbers specified in Table 1 and installed on Cessna 208(B), under Aero Twin STC SA02291AK are affected by this Alert Service Bulletin.

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN. INFORMATION CONTAINED IN THIS ALERT SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS ALERT SERVICE BULLETIN 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 BULLETIN INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

B. Concurrent Requirements

- (1) Additional service documents may apply to the propellers affected by this Alert Service Bulletin. Compliance with additional service documents may be necessary in conjunction with the completion of the Accomplishment Instructions in this Alert Service Bulletin. Refer to the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com) for a cross-reference of applicable service documents.

C. Reason

- (1) The HC-B4TN-5QL propeller with LT10890N(K) blades is approved for installation on Cessna 208(A), under Aero Twin STC SA02291AK.
- (2) After time in service, it was reported that the propeller experienced blade flutter when the propeller was operated in reverse above 65 knots. Blade flutter is known to lead to blade fracture and possible blade separation.

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- (3) Additional testing was performed.
  - (a) It was determined that operating limitations were required to prevent the blade flutter condition from occurring during higher reverse speeds for the LT10890N(K) blades. Aero Twin has provided those operating limitations as an amendment to the Airplane Flight Manual Supplement.
  - (b) A new blade model is required to prevent the blade flutter condition from occurring during higher reverse speeds.
- (4) Hartzell Propeller Inc. has developed a new blade, LT10891N(K), that will not experience blade flutter under approved operating conditions.
- (5) Regulatory action is not expected.
- (6) Because of the low rates of compliance to date, Hartzell Propeller Inc. is reducing the time permitted for compliance to 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2.

#### D. Description

- (1) This document provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin introduces the LT10891N(K) blade for installation in the HC-B4TN-5QL propeller when installed on Cessna 208(B), under Aero Twin STC SA02291AK.
- (3) This Alert Service Bulletin requires replacement of all LT10890N(K) blades that are currently installed in the affected application, with the LT10891N(K) blades in accordance with the Compliance requirements specified in this Alert Service Bulletin.

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- (4) This Alert Service Bulletin requires aircraft with the LT10890N(K) blades installed to operate in accordance with Aero Twin, Inc. Honeywell TPE331-12JR Powered Cessna 208 Series Aircraft Flight Manual Supplement (AFMS) Temporary Revision ATW10-1. Aircraft operation in accordance with the AFMS will prevent the propeller from operating conditions that cause the blade flutter.
  - (a) Aero Twin, Inc. issued Service Bulletin ATB10-2 which introduces Temporary Revision ATW10-1, dated November 1, 2010, to the Aero Twin, Inc. Honeywell TPE331-12JR Powered Cessna 208 Series Aircraft Flight Manual Supplement (AFMS) states the following:
    - "WARNING: THE USE OF PROPELLER REVERSE THRUST IS LIMITED TO 65 KIAS OR LESS DURING LANDING. USE OF REVERSE THRUST ABOVE 65 KIAS MAY LEAD TO BLADE SEPARATION WHICH IN TURN CAN LEAD TO LOSS OF CONTROL OF THE AIRCRAFT. THIS CONDITION MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE.
  
    - WARNING: THE SUDDEN ONSET OF UNUSUAL VIBRATION CAN BE AN INDICATION OF A FAILING HUB, PROPELLER BLADE, BLADE RETENTION, OR PITCH CHANGE COMPONENT. BLADE SEPARATION MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. THIS CONDITION DEMANDS IMMEDIATE INSPECTION FOR POSSIBLE CRACKED HUB, BLADE, BLADE RETENTION OR PITCH CHANGE COMPONENT."
  - (b) For a propeller with the LT10890N(K) blades installed operation in reverse above 65 Knots airspeed induces stress to the blade outside of the acceptable range.
  - (c) An LT10890N(K) blade that continues to be operated under these conditions may cause blade failure.
- (5) Refer to Aero Twin, Inc. Honeywell TPE331-12JR Powered Cessna 208 Series Aircraft Flight Manual Supplement (AFMS) for aircraft operation with the new LT10891N(K) blades installed.
- (6) Revision 2 is being issued to revise the time permitted for compliance of this Alert Service Bulletin.

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### Propeller - Blade Replacement - Aero Twin STC SA02291AK

E. Compliance

CAUTION: DO NOT OPERATE THE PROPELLER WITH LT10890N(K) BLADES OUTSIDE THE OPERATING CONDITIONS SPECIFIED IN THE AERO TWIN, INC. HONEYWELL TPE331-12JR POWERED CESSNA 208 SERIES AIRCRAFT FLIGHT MANUAL SUPPLEMENT (AFMS) TEMPORARY REVISION ATW10-1. OPERATING THE PROPELLER OUTSIDE THE SPECIFIED CONDITIONS MAY CAUSE ADDITIONAL STRESSES TO THE PROPELLER BLADES. FAILURE TO OPERATE IN ACCORDANCE WITH THE AERO TWIN, INC. HONEYWELL TPE331-12JR POWERED CESSNA 208 SERIES AIRCRAFT FLIGHT MANUAL SUPPLEMENT (AFMS) TEMPORARY REVISION ATW10-1, OR TO COMPLY WITH THIS ALERT SERVICE BULLETIN MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE.

- (1) Before further flight, perform the Preflight Inspection in accordance with the Accomplishment Instructions of this Alert Service Bulletin.
- (2) Repetitive Preflight Visual Inspection in accordance with the Accomplishment Instructions of this Alert Service Bulletin is required before each flight.
- (3) A propeller with LT10890N(K) blades installed must cease operation of the airplane in reverse above 65 knots airspeed.
- (4) Within the next 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2 or the next propeller overhaul, whichever occurs first, replace the LT10890N(K) blade in accordance with the Accomplishment Instructions of this Alert Service Bulletin.
  - (a) Hartzell Propeller Inc. warranty coverage for this Alert Service Bulletin, Revision 2 is only applicable if compliance is completed within 12 calendar months of the revision date of this Revision 2. Refer to the Appendix for warranty details.

NOTE: Next propeller overhaul is defined in Hartzell Propeller Inc. Service Letter HC-SL-61-61Y as 3,000 hours or 60 calendar months, whichever occurs first.

- (5) Replacement of the LT10890N(K) blade with the LT10891N(K) blade in accordance with the Accomplishment Instructions in this Alert Service Bulletin is terminating action for this Alert Service Bulletin.

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### Propeller - Blade Replacement - Aero Twin STC SA02291AK

F. Approval

- (1) FAA acceptance has been obtained on technical data in this publication that affects type design.

G. Manpower

- (1) If performed before propeller overhaul,
  - (a) Approximately 3.0 man hours are required for propeller removal and installation.
  - (b) Approximately 6.0 man hours are required for propeller disassembly, link arm inspection, blade replacement, and propeller reassembly.
  - (c) Approximately 2.0 man hours are required for propeller dynamic balance.

H. Weight and Balance

- (1) Not Changed

Propeller Serial Numbers
CDA4811
CDA5240
CDA5251
CDA5297
CDA5349
CDA5361

**Affected Propeller Serial Numbers  
Table 1**

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I. Electrical Load Data

- (1) Not Changed

J. References

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

- (1) Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18)
- (2) Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39)
- (3) Hartzell Propeller Inc. Application Guide 159 (61-02-59)
- (4) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)
- (5) Hartzell Propeller Inc. Propeller Electric De-ice Boot Removal and Installation Manual 182 (61-12-82)
- (6) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02)
- (7) Hartzell Propeller Inc. Service Letter HC-SL-61-61Y
- (8) Aero Twin, Inc. Honeywell TPE331-12JR Powered Cessna 208 Series Aircraft Flight Manual Supplement (AFMS) Temporary Revision
- (9) Aero Twin, Inc. Honeywell TPE331-12JR Powered Cessna 208 Series Aircraft Flight Manual Supplement (AFMS) Temporary Revision ATW10-1, dated November 1, 2010
- (10) Aero Twin STC SA02291AK

K. Other Publications Affected

- (1) Hartzell Propeller Inc. Application Guide 159 (61-02-59)

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### Propeller - Blade Replacement - Aero Twin STC SA02291AK

#### 2. Material Information

A. Material necessary for each propeller when compliance is before propeller overhaul.

- (1) This material will be supplied at no charge by Hartzell Propeller Inc. if compliance is accomplished within 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2.

Part Number	Description	Quantity per Propeller Assembly
A-1306	Gasket, Clamp	8
A-1373	Nut, 7/16-20, 12 Point	8
A-321	Screw, 3/8-24, Double 60° Head	8
B-3838-3-2	Cotter Pin	8
A-944	Link Screw Bushing	4
B-3840-6	Screw	4
LT10891N	Blade	4
104286	De-ice Boot	4
104335	Wire Harness	4
B-3852-1-0	Tie Strap	12
B-3852-6-0	Tie Strap	12

B. Material necessary for each propeller when performed at propeller overhaul.

- (1) If overhaul is within 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2, blades will be supplied at no charge by Hartzell Propeller Inc.

Part Number	Description	Quantity per Propeller Assembly
LT10891N	Blade	4

C. Consumables

- (1) Refer to the applicable manual for the necessary consumables for the propeller disassembly/reassembly and blade inspection that are specified in the Accomplishment Instructions of this Alert Service Bulletin.

D. Special Tooling

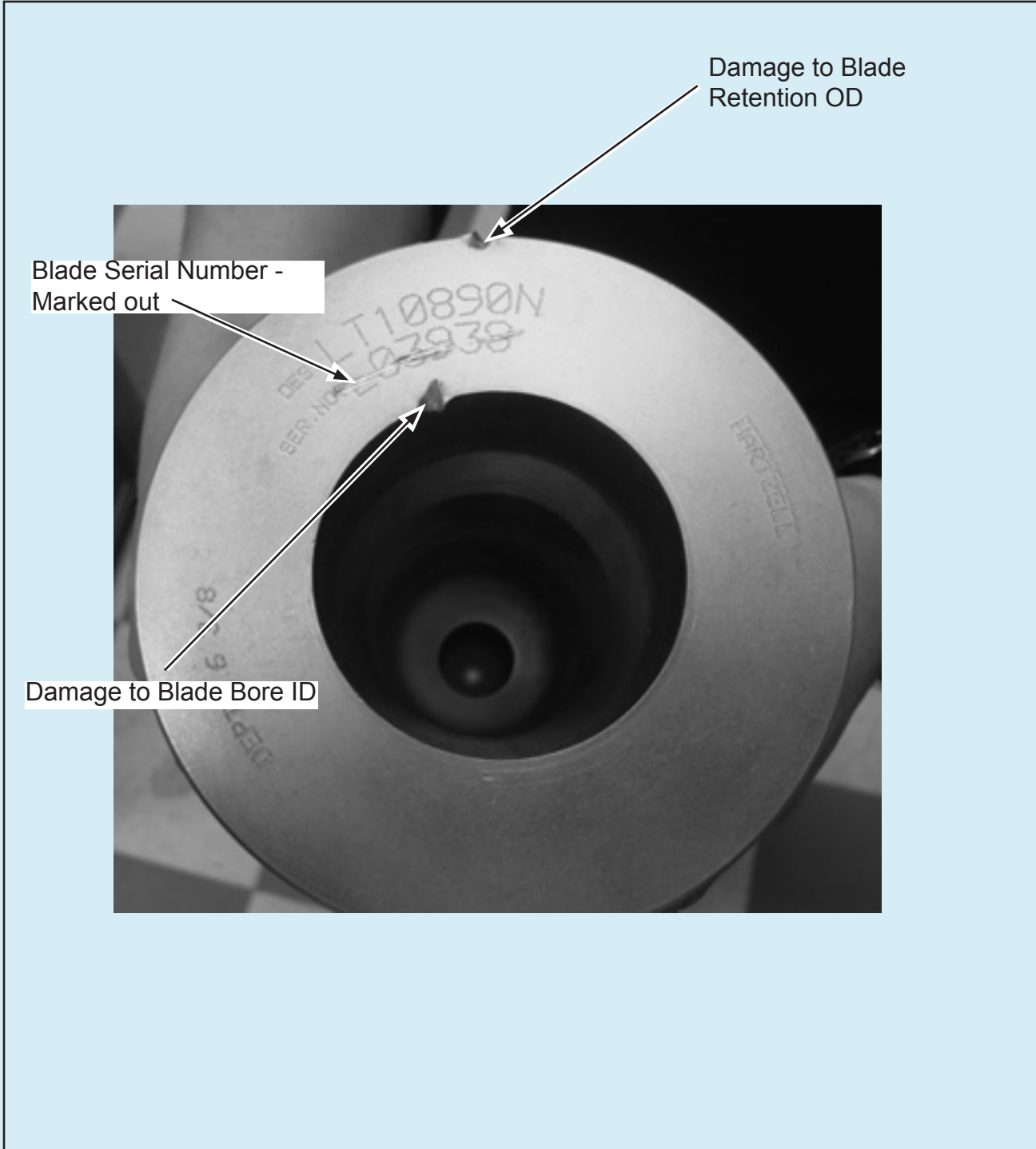
- (1) Refer to the applicable manual for the necessary tooling for the propeller disassembly/reassembly and blade inspection that are specified in the Accomplishment Instructions of this Alert Service Bulletin.

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**Blade Butt Showing Damage to Prevent Further Use of the Blade**  
**Figure 1**

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## Propeller - Blade Replacement - Aero Twin STC SA02291AK

### 3. Accomplishment Instructions

#### A. Preflight Visual Inspection

- (1) Perform a visual inspection of the face and camber sides of the propeller blade between the blade logo and the blade tip.
  - (a) If no cracks or damage are found, replace the blades in accordance with the Compliance requirements for blade replacement specified in this Alert Service Bulletin.
  - (b) If a blade is found to be cracked or has damage, replace all blades with LT10891N(K) blades in accordance with Aero Twin STC SA02291AK and the Accomplishment Instructions in this Alert Service Bulletin.

#### B. Blade Replacement

- (1) Allow for manufacturing lead time when placing an order for replacement parts from Hartzell Propeller Inc. Use the Compliance/Order Form in the Appendix of this Service Bulletin for details for ordering replacement blades.
- (2) Retain the Compliance/Order Form for reporting compliance and warranty reimbursement for labor expenses.

#### C. Upon receipt of replacement parts, remove the affected blades from the propeller assembly.

- (1) Removal of the affected blades from the propeller, installation of the new blades, and setting the blade angles may be performed on wing by a propeller service facility licensed by a governmental regulatory agency, e.g., FAA, EASA, CAA.
- (2) If necessary, remove the propeller from the aircraft in accordance with Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39).
  - (a) If necessary, send the propeller to a propeller service facility that is licensed by a governmental regulatory agency, e.g., FAA, EASA, CAA.

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### **Propeller - Blade Replacement - Aero Twin STC SA02291AK**

- D. Disassemble the propeller to remove the blades in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).

**CAUTION:** AFFECTED BLADES MUST BE RETIRED FROM SERVICE AND MUST NOT BE INSTALLED FOR USE IN ANY APPLICATION, INCLUDING EXPERIMENTAL APPLICATIONS.

- (1) Retire the affected blade(s) from service in accordance with the Part Retirement Procedures chapter in Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02), except:

**NOTE:** The Parts Retirement Form is available at [www.hartzellprop.com](http://www.hartzellprop.com).

- (a) The retired blades cannot be modified or returned to service for use in any application including experimental applications.
- (b) Each blade must be damaged in such a way that prevents further use of the blade.
- 1 Using a tool, damage the ID of the blade bore and the OD of the blade retention surface. Damage must be sufficient to prevent installation of the blade bearing or the blade clamp. Refer to Figure 1.
  - 2 Mark out the blade serial number, so that the number is still legible.
  - 3 Take a photograph of the blade butt to show the damage, the blade model number, and the blade serial number.
- (2) Remove the link arms from the piston.
- (3) Remove the link screw bushing from each link arm.
- (4) Perform the following inspection of the link arm.
- (a) Visually inspect each link arm for indications of twisting or distortion. Distortion is not permitted. Flatness of the link arm must be less than 0.015 inch (0.38mm) from one hole to the other.
- (b) Dimensionally inspect the ID of the link pin hole. The maximum permitted ID of the link pin hole is 0.3785 inch (9.614 mm).
- (c) Dimensionally inspect the ID of the link screw hole of each link arm. The maximum permitted ID of the link screw hole is 0.5665 inch (14.389 mm).
- (d) If any of the inspections show damage greater than the limits specified, replace the link arms.
- 1 Contact Hartzell Propeller Inc. Product Support if any link arm requires replacement.

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- (5) Reassembly
  - (a) Install a new link screw bushing in each link arm in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).
  - (b) Attach each link arm to the piston in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).
  - (c) Install new LT10891N(K) blades in the propeller hub in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).
  - (d) Install the propeller de-ice components in accordance with Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80).
  - (e) Complete the propeller assembly in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).
- (6) If necessary, install the propeller on the aircraft in accordance with Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39).

**E. Instructions for Continued Airworthiness**

- (1) Refer to Hartzell Propeller Inc. Application Guide 159 (61-02-59) IDS 1838 except the blade model is LT10891N(K). Manual 159, Revision 31, will include the new IDS 3107 for the application with the LT10891N(K) blades.
- (2) Refer to Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).
- (3) Refer to Hartzell Propeller Inc. Aluminum Blade Overhaul Manual 133C (61-13-33).
- (4) Refer to Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80).
- (5) Refer to Hartzell Propeller Inc. Propeller Electric De-ice Boot Removal and Installation Manual 182 (61-12-82).
- (6) Refer to Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02).

**F. Complete the Compliance/Order Form**

- (1) Send the Compliance/Order Form and the photos to Hartzell Propeller Inc.

**G. Make an entry in the propeller logbook indicating compliance with this Alert Service Bulletin is terminating action for this Alert Service Bulletin.**

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**Propeller - Blade Replacement -  
Aero Twin STC SA02291AK**

H. Contact Information

Hartzell Propeller Inc.  
Attn.: Hartzell Propeller Inc. Product Support  
One Propeller Place  
Piqua, Ohio 45356-2634 USA  
Phone: (001) 937.778.4379  
Fax: (001) 937.778.4391  
E-mail: [techsupport@hartzellprop.com](mailto:techsupport@hartzellprop.com)

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1. Eligibility

- A. Hartzell Propeller Inc. steel hub turbine propellers HC-B4TN-5QL with LT10890N(K) blades with serial numbers specified in Table 1 and installed on Cessna 208(B), under Aero Twin STC SA02291AK are eligible for this program.

2. Recommended Service Facilities

- A. Hartzell Propeller Inc. has a worldwide network of Recommended Service Facilities that are recommended by Hartzell Propeller Inc. for overhaul and repair of our products.
- B. Each service facility must meet standard FAA requirements and additional Hartzell Propeller Inc. requirements before being recommended by Hartzell Propeller. Each service facility is audited by Hartzell Propeller Inc. to verify the continuation of the standards.
- C. Hartzell Propeller Inc. recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- D. 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](http://www.hartzellprop.com).

3. Warranty Program

- A. Replacement blades and parts must be procured from Hartzell Propeller Inc. in accordance with this Appendix. Allow for manufacturing lead time.
  - (1) Replacement blades and parts are only available from Hartzell Propeller Inc.
- B. When performed within 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2, Hartzell Propeller Inc. will provide free of charge replacement parts and blade LT10891N(K) for each affected blade.
  - (1) Replacement parts and blades will only be shipped to a propeller service facility licensed by a governmental regulatory agency, e.g., FAA, EASA, CAA. Replacement parts and blades will NOT be shipped directly to owner/operator.
  - (2) Hartzell Propeller Inc. will provide replacement parts required for the propeller free of charge to the propeller service facility.

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# ALERT SERVICE BULLETIN APPENDIX

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### Propeller - Blade Replacement - Aero Twin STC SA02291AK

(a) Material necessary for each propeller when compliance is before propeller overhaul.

- 1 This material will be supplied at no charge by Hartzell Propeller Inc. if compliance is accomplished within 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2.

Part Number	Description	Quantity per Propeller Assembly
A-1306	Gasket, Clamp	8
A-1373	Nut, 7/16-20, 12 Point	8
A-321	Screw, 3/8-24, Double 60° Head	8
B-3838-3-2	Cotter Pin	8
A-944	Link Screw Bushing	4
B-3840-6	Screw	4
LT10891N	Blade	4
104286	De-ice Boot	4
104335	Wire Harness	4
B-3852-1-0	Tie Strap	12
B-3852-6-0	Tie Strap	12

(b) Material necessary for each propeller when performed at propeller overhaul.

- 1 If overhaul falls within 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2, blades will be supplied at no charge by Hartzell Propeller Inc.

Part Number	Description	Quantity per Propeller Assembly
LT10891N	Blade	4

- (3) If required, Hartzell Propeller Inc. will cover standard ground shipping to transport the propeller to an authorized service facility.

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- (4) Hartzell Propeller Inc. will provide labor coverage as follows:
  - (a) 3.0 man hours for propeller removal and installation.
  - (b) 6.0 man hours for propeller disassembly, link arm inspection, blade replacement, and propeller reassembly, when performed at other than propeller overhaul.
  - (c) 2.0 man hours for propeller dynamic balance.
- (5) The following documentation must be provided to Hartzell Propeller Inc. Product Support in order to qualify for this warranty program:
  - (a) A completed and signed Alert Service Bulletin Compliance/Order Form.
  - (b) Photos of each retired blade must be returned to Hartzell Propeller Inc. Product Support after blade replacement in accordance with the Accomplishment Instructions in this Alert Service Bulletin. Refer to Figure 1 in this Alert Service Bulletin.
- (6) The propeller service facility completing the blade replacement must retire the affected blade(s) from service in accordance with Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02) and the Accomplishment Instructions of this Alert Service Bulletin.

**C. This Warranty Program expires at 12 calendar months from the revision date of this Alert Service Bulletin, Revision 2.**

**D. Replacement Blade Order Administration**

- (1) Replacement blade orders will be administered as follows:
  - (a) Upon receipt of the completed Alert Service Bulletin Compliance/Order Form and required documentation, Hartzell Propeller Inc. Product Support will enter an order for the replacement blade(s).
    - 1 Replacement blades will be shipped as soon as available. Allow for manufacturing lead time.

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### Propeller - Blade Replacement - Aero Twin STC SA02291AK

- (b) The photo of each retired blade must be returned to Hartzell Propeller Inc. Product Support in accordance with the Accomplishment Instructions in this Alert Service Bulletin. Refer to Figure 1 in this Alert Service Bulletin.
- 1 The required photographs must be received by Hartzell Propeller Inc. Product Support within six (6) calendar months from receipt of the replacement blades at the service facility.**
  - 2 Failure to return the required blade photographs in accordance with this Alert Service Bulletin and Appendix will result in a charge for the full list price of the replacement blades.**
- (c) Upon completion of the Accomplishment Instructions in this Alert Service Bulletin (including sending the Compliance Form), the authorized propeller service facility must contact Hartzell Propeller Inc. Product Support for the warranty reference number applicable to the propeller assembly.
- 1 The service facility must provide to Hartzell Propeller Inc. Product Support a detailed invoice identifying Hartzell Propeller components required, labor hours by task as identified in section 3.B. of this Appendix, labor rate, any other allowable charges, and the warranty reference number provided by Hartzell Propeller Inc. Product Support.

■ E. Contact Information and Shipping Address for retired blade pieces.

Hartzell Propeller Inc.  
Attn: Hartzell Propeller Inc. Product Support - ASB333  
One Propeller Place  
Piqua, Ohio 45356-2634 USA  
Phone: (001) 937.778.4379  
Fax: (001) 937.778.4391  
E-mail: techsupport@hartzellprop.com

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**Propeller - Blade Replacement**  
***Compliance/Order Form***

Replacement blades are offered at no charge for eligible propellers only. Failure to send photographs of the scrapped blades will result in a charge for the full list price of the replacement blade(s). A PO number must be provided with this order for use only in the event the photos are not received.

**Owner Information:** (Replacement blades will ONLY be shipped to a Propeller Service Facility.)

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 City: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_  
 State: \_\_\_\_\_ Country: \_\_\_\_\_

**Service Facility/Shipping Location:** (Replacement blades will ONLY be shipped to a Service Facility.)

Company: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Contact Name: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 \_\_\_\_\_  
 City: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_  
 State: \_\_\_\_\_ Country: \_\_\_\_\_

Expected Date for Blade Replacement: \_\_\_\_\_

PO# is required: \_\_\_\_\_

*I understand that affected blades must be permanently retired from service and a photograph showing the scrapped blade's serial number and model number must be sent to Hartzell Propeller. My signature indicates my understanding of these requirements and agreement to follow these requirements.*

Signature: \_\_\_\_\_

Propeller S/N: \_\_\_\_\_ Aircraft Registration Number \_\_\_\_\_

Propeller TSN: \_\_\_\_\_ Propeller TSO: \_\_\_\_\_

Date of Propeller Installation: \_\_\_\_\_

List each affected/retired blade by serial number and model:

<u>Blade S/N</u>	<u>Blade S/N</u>
(1)	(3)
(2)	(4)

Send this Compliance/Order Form to: (Propellers/blades are not in compliance if this completed form is not received. When this form is used to indicate compliance, photographs of the scrap blades showing blade model and serial number are required.)

Hartzell Product Support  
 Fax: (001) 937.778.4391  
 E-Mail: techsupport@hartzellprop.com

**Hartzell use only - do not write below this line**

WAR#: \_\_\_\_\_ Authorized By: \_\_\_\_\_

HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN APPENDIX

HC-ASBA-61-333

Propeller - Blade Replacement -  
Aero Twin STC SA02291AK

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