



PILATUS AIRCRAFT LTD. CH-6370 STANS, SWITZERLAND.

# SERVICE LETTER

**SUBJECT: HARTZELL PROPELLER ALERT SERVICE BULLETIN NO: HC-ASB-61-220 (JULY 8/96)**

All Operators:

Date: 12 July 1996

The attention of all PC-12 operators is drawn to the subject **ALERT** Service Bulletin which is reproduced as Annex A to this letter, and deals with a series of propellers which need to be modified.

Any specific queries concerning this subject should be addressed directly to Hartzell Propeller Inc. at the address given in the Service Bulletin.

Should any difficulty be encountered, enquiries can then be made to the following address:

PILATUS AIRCRAFT LTD.  
CUSTOMER LIAISON MANAGER,  
CH-6370 STANS,  
SWITZERLAND.

Tel: + 41 41 6196 233  
Fax: + 41 41 6103 351

or contact your Authorized PILATUS PC-12 Service Center.

**≡PILATUS≡**  
**PC XII**  
**SERVICE LETTER**

**INTENTIONALLY BLANK**

## Annex A to Pilatus Service Letter PC-12 No: 012

Hartzell Propeller ALERT Service Bulletin No: HC-ASB-61-220

(28 pages)

**≡PILATUS≡**  
**PC XII**  
**SERVICE LETTER**

**INTENTIONALLY BLANK**

**HARTZELL PROPELLER INC.**

One Propeller Place  
Piqua, Ohio 45356-2634 U.S.A.

**HARTZELL**

July 8, 1996

ATTENTION: PRODUCT SUPPORT MANAGER

SUBJECT: HARTZELL ALERT SERVICE BULLETIN HC-ASB-61-220

Gentlemen,

Enclosed is a copy of Hartzell Alert Service Bulletin HC-ASB-61-220. This Bulletin is being shipped by overnight mail to all Original Equipment Manufacturers, and holders of Supplemental Type Certificates with aircraft applications that may use propeller blades affected by this Bulletin. This Bulletin is also being shipped to Hartzell Distributors that may have purchased replacement blades affected by this Bulletin.

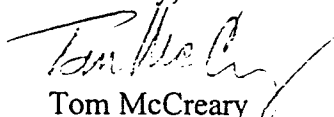
The enclosed Bulletin addresses 485 propeller blades consisting of 8 different blade designs that were manufactured from a "batch" of blade forgings supplied by our forging vendor beginning in early 1992. The Bulletin calls for a one time etching and dye penetrant inspection of a 12 inch area of the blade shank of affected blades. Accomplishment requires disassembly by a propeller repair station. We anticipate that the FAA will issue an Airworthiness Directive on this subject.

An Appendix to the Bulletin is also provided which describes the Warranty Policy.

Hartzell's mailing list is generally limited to propeller repair stations, OEMs, government agencies, and others by subscription. Thus, Hartzell does not have the capability to distribute this Bulletin to all operators with affected propeller blades.

We ask that you please review the enclosed Bulletin. Pay particular attention to blades or propellers that were shipped to your company. To the maximum extent practicable, we ask you to please help us to contact the operators so that we may provide them a copy of the Bulletin in a timely manner. If you can identify names and addresses of any of the affected operators, please pass this information to us at Hartzell. If desired, we can supply copies of the Bulletin for you to distribute (and we will reimburse your mailing expense) or, if you can provide us with a mailing list (or ideally, mailing labels), we can mail the Bulletin to operators.

Sincerely,



Tom McCreary  
Manager, Single Acting Product Support



# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

#### 1. Planning Information

##### A. Effectivity

**This Bulletin is applicable only to certain blade serial numbers.** See Tables 1 through 8, on pages 10 to 24 of this Bulletin, for a list of affected blade serial numbers. Affected blades are of several different blade designs. These blade designs may be installed on, but not limited to, the following list of aircraft models.

**NOTE:** Tables 1 through 8 list blade serial numbers affected by this Bulletin. The blade serial number is the primary criteria to use to establish whether compliance is required. For affected blades that were installed in propeller assemblies at the Hartzell factory, the Tables also provide the propeller assembly serial number. Consideration must be made for possible installation of other blades or use of affected blades in other propellers after delivery to the field. Therefore, operators should check their entire fleet for affected blade serial numbers.

<u>AIRCRAFT MODEL</u>	<u>TC/STC #</u>	<u>MODIFIER</u>	<u>PROPELLER/BLADE</u>	<u>See Table</u>
<b>Aero Commander</b>				
690, A, B TURBO COMMANDER	STC-SA546GL	GULFSTREAM AM.	HC-B3TN-5NL/LT10673NB	3, page 15
690, A, B, C TURBO COMMANDER	STC-SA1464NM	AERO AIR	HC-B3TN-5FL/LT10673N(-)2Q	4, page 17
690C	STC-SA3861NM	AERO AIR	HC-B3TN-5(L)/LT10876ANS-2Q	7, page 23
695, 695A	STC-SA2380NM	AERO AIR	HC-B3TN-5(L)/LT10876ANS-2Q	7, page 23
<b>Air Tractor</b>				
AT-502A AIR TRACTOR	A17SW	None	HC-B5MP-3A/M10282AN+6	5, page 18
AT-503 AIR TRACTOR	A17SW	None	HC-B5MP-3C/M10876ANS	6, page 19
AT-802 AIR TRACTOR	A19SW	None	HC-B5MP-3C/M10876ANS	6, page 19
<b>Antonov</b>				
AN-28	None	PEZETEL MIELEC	HC-B5MP-3D/M10876ANSK	6, page 19
<b>Ayres</b>				
S2R-T65 TURBO THRUSH	A4SW, A3SW	None	HC-B5MP-3C/M10876ANS	6, page 19
S2RHG-T65 TURBO THRUSH	A4SW, A3SW	None	HC-B5MP-3C/M10876ANS	6, page 19
<b>Douglas</b>				
DC-3	Unknown	SHAFFER/AMI	HC-B5MP-3C/M10876ANS(K)	6, page 19
DC-3	Unknown	U.S.AIRCRAFT	HC-B5MP-3C/M10876ANS(B)	6, page 19
<b>Nord</b>				
262 FRAKES MOHAWK	STC-SA2369SW	FRAKES	HC-B5MP-3A/M10282ANB+6	5, page 18
<b>Norman Aeroplane</b>				
NAC 6 FIELDMASTER	Unknown	CROP LEASE	HC-B5MP-3C/M10876ANS	6, page 19
<b>Pilatus</b>				
PC-9, PC-7 mk II	None	None	HC-D4N-2()/D9512AK	2, page 12
PC-12	A78EU	None	HC-E4A-3D/E10477K	8, page 24
<b>PZL</b>				
PZL-M18 DROMADER	STC-SA1014GL	TURBINES INC.	HC-B5MP-3C/M10876ANS	6, page 19
<b>Shorts</b>				
S-312 TUCANO	None	None	HC-D4N-5C/D9327K	1, page 10
SD3-30-200, C-23A SHERPA	A41EU	None	HC-B5MP-3A/M10282ANB+6	5, page 18
SD3-60-200, SD3-SHERPA-200	A41EU	None	HC-B5MP-3C/M10876ANS()	6, page 19

July 8/96

**HC-ASB-61-220**  
Page 1 of 24

HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers  
**Propeller - Blade Inspection**

**NOTE:** The parenthesis shown in the propeller or blade model designations indicate letter(s) that may or may not be present due to different configurations allowable on the aircraft installation. Propeller blades with a deicer installed typically have a letter B, K, or E at the end of the blade model designation. For example, a M10876ANS replacement blade may be sold without a deicer installed, if a deicer is later installed, the blade would then be identified M10876ANSK.

**B. Concurrent Requirements.**

None.

**C. Reason.**

- (1) Recently a Shorts Tucano propeller had an in-flight blade failure with the blade breaking approximately six inches from the blade butt. Investigation of the recovered blade determined the cause to be a forging flaw in the blade.
- (2) It is unknown whether other blades manufactured from the same lot could have this condition. Considering the serious nature of a possible failure of another blade, it is necessary to inspect all blades manufactured from this lot.

**D. Description.**

This Bulletin provides requirements for onetime dye penetrant inspection of a twelve inch long area of the blade shank.

**E. Compliance.**

- (1) For Air Tractor AT-502A, AT-503, AT-803; Ayres S2R-T65, S2RHG-T65; Norman NAC-6, Pilatus PC-9, PC-7 mk II; PZL-M18; and Shorts S-312 Tucano aircraft: compliance is required within 10 hours of operation from receipt of this Bulletin.
- (2) For all other aircraft: If total time since new is less than 1000 hours of operation, compliance is required upon reaching 1100 hours, or within 200 hours of operation, whichever occurs first. If total time since new is equal to or greater than 1000 hours of operation, compliance is required within 100 hours of operation from receipt of this Bulletin.
- (3) If any incidents of "sudden", "unusual", or "abnormal" vibration are experienced, compliance is required prior to further operation.

**WARNING:** ABNORMAL VIBRATION CAN BE AN INDICATION OF A FAILING PROPELLER BLADE. AN IN-FLIGHT BLADE SEPARATION CAN RESULT IN A CATASTROPHIC AIRCRAFT ACCIDENT.



HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers  
**Propeller - Blade Inspection**

**NOTE:** Even though blade separations are extremely rare and most vibration problems are not caused by a failing blade or blade retention component, all reports of "sudden", "unusual", or "abnormal" vibration demand a thorough investigation prior to further flight. This is necessary because a timely investigation of such conditions has proven to be effective in preventing propeller failures. A slight vibration that has occurred over an extended period of time is a condition that may require correction but is not necessarily an alarming condition that demands immediate inspection. In incidents where cracked blade retention parts have been found, the situation was most often described as a condition that initiated suddenly and is unexplainable. Additional information concerning abnormal grease leaks and vibration is published in Hartzell Service Letter HC-SL-61-165.

F. Approval.

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

G. Manpower.

**NOTE:** A warranty program is provided for compliance with this Bulletin. Policy and procedures are provided in an attachment to this Bulletin.

The number of man-hours for compliance varies with the number of blades in a propeller assembly that require inspection:

propeller removal/installation - 2 man-hours per propeller;  
deicer removal/installation - 1.5 man-hours per blade;  
propeller disassembly/assembly - 6 man-hours per propeller;  
remove paint and anodize - 0.5 man-hour per blade;  
dye penetrant inspection - 0.5 man-hour per blade;  
apply chemical conversion coating and paint - 1 man-hour per blade with maximum 2 man-hours per propeller.

**NOTE:** Assuming all four blades of a four-blade propeller require inspection (using the above information) 20 man-hours per propeller is required.

H. Weight and Balance.

Not Changed.

I. Electrical Load Data.

Not Changed.

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

#### J. References.

Hartzell Aluminum Blade Manual 133C  
Hartzell Standard Practices Manual 202A  
Hartzell Propeller Overhaul Manuals 118F, 132A, 141, 142, and 143A

For Hartzell service literature and revisions, contact:

Hartzell Propeller Inc. Telephone: 513.778.4200  
Product Support Department Fax: 513.778.4321  
One Propeller Place  
Piqua, Ohio 45356 U.S.A.

#### K. Other Publications Affected.

Information in this Bulletin will be added to the Hartzell Aluminum Blade Manual 133C.

## 2. Material Information.

### A. Parts Required, deicer boots:

<u>Aircraft</u>	<u>Propeller/Blade</u>	<u>Goodrich Deicer P/N</u>
<b>Aero Commander</b>		
690, A, B TURBO COMMANDER	HC-B3TN-5NLT10673B	4E1601-5
690, A, B, C TURBO COMMANDER	HC-B3TN-5FL/LT10673-2Q	4E1601-5
690C, 695, 695	HC-B3TN-5()/LT10876ANS-2Q	4E1601-5
<b>Antonov</b>		
AN-28	HC-B5MP-3D/M10876ANSK	4E3035-10
<b>Douglas</b>		
DC-3	HC-B5MA-3/M11276K	4E2595-7
DC-3	HC-B5MP-3C/M10876ANS(K)	4E2595-7
<b>Nord</b>		
262 FRAKES MOHAWK	HC-B5MP-3A/M10282ANB+6	4E1601-7
<b>Pilatus</b>		
PC-9	HC-D4N-2A/D9512AK	4E2271-10
PC-12	HC-E4A-3D/E10477K	4E3051-10
<b>Shorts</b>		
S-312 TUCANO	HC-D4N-5C/D9327K	4E2271-10
SD3-30-200, C-23A SHERPA	HC-B5MP-3A/M10282ANB+6	4E1601-7
SD3-60-200, SD3-SHERPA-200	HC-B5MP-3C/M10876ANS()	4E2595-7 (K), 4E1601-7 (B)

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

B. Parts Required, other propeller parts required:

**NOTE:** The following lists show the minimum parts required for accomplishment of this Bulletin. Propeller repair stations should also be prepared with contingency stocks of the full range of hardware items (fasteners, tie wraps, O-rings, etc.) in the event they are needed. See the appropriate propeller manual for additional parts information.

<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
HC-B3TN-5() models:		
45C3317-230	O-Ring (mounting flange)	1/prop
57A0321	Clamp Assy. Socket Screw	2/blade
57A1306	Blade Clamp Gasket	2/blade
57A1373	Clamp Nut, self locking	2/blade
HC-B5MA-() and HC-B5MP-() models:		
45C3317-239-2	O-Ring (mounting flange), B5MA	1/prop
45C3317-230	O-Ring (mounting flange), B5MP	1/prop
57A0321	Clamp Assy. Socket Screw	2/blade
57A1306-1	Blade Clamp Gasket	2/blade
57A1373	Clamp Nut, self locking	2/blade
HC-E4A-() models:		
45C3317-211-2	O-Ring (pitch change rod)	1/prop
45C3317-213-2	O-Ring (pitch change rod)	1/prop
45C3317-239-2	O-Ring (mounting flange for E4A)	1/prop
45C3317-251	O-Ring (cylinder/hub)	1/prop
45C3317-340	O-Ring (blade shank)	4/prop
99150S12C	S12C Teflon Tape (100 ft.)*	1 roll
HC-(D,E)4N-() models:		
45C3317-211-2	O-Ring (pitch change rod)	1/prop
45C3317-213-2	O-Ring (pitch change rod)	1/prop
45C3317-230	O-Ring (mounting flange for D4N,E4N)	1/prop
45C3317-251	O-Ring (cylinder/hub)	1/prop
45C3317-340	O-Ring (blade shank)	4/prop
99150S12C	S12C Teflon Tape (100 ft.)*	1 roll

\* S12C Teflon Tape is cut into 10.62 inch strips for installation on blade, ref. Manual 133C, Figures 507, 508.

C. Materials Required:

Deicer Cement 3M 1300L or other approved cement.

HC-(D,E)4( )-( ) propellers require Devcon 5 minute epoxy (ref. Manual 202A Consumable Materials, CM 68) for installation of Teflon tape.

HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers  
**Propeller - Blade Inspection**

3. Accomplishment Instructions

A. Determine effectivity. Check the propeller logbook to determine if the propeller has a blade serial number affected by this Bulletin.

**NOTE:** Affected blades were shipped from Hartzell beginning in March 1992. Therefore, it can be assumed that any blades placed in service before March 1992 are not affected, provided that service history can verify that blades were not later replaced.

- (1) The blade serial numbers listed in the Tables are the primary criteria for determination of effectivity.
- (2) The propeller serial numbers listed in the Tables are compiled from Hartzell assembly records and are useful for determining where affected blades were originally installed. Propeller serial numbers in the Tables assume that no blade replacement has occurred since manufacture. Also, all blades of a propeller assembly are not necessarily affected, blade serial numbers must be verified.
- (3) If logbook information is not available or unreliable, physically check the propeller and blade serial numbers.
  - a. Blade serial numbers are ink stamped on the blade camber side near the spinner as well as metal impression stamped (internally) on the blade butt. However, the ink stamping may sometimes be removed or unreadable.
  - b. If the blade serial numbers cannot be determined and the propeller has had a blade replaced between March 1992 and June 1996, check with the propeller repair station that performed to work to determine blade serial numbers. If the blade serial numbers still cannot be determined, then the propeller must be disassembled to determine blade serial number/effectivity.

B. Procedure:

The following procedure must be performed by a propeller repair station.

**NOTE:** The following procedure requires extensive disassembly and blade inspection work. Operators should consider the economic practicality of performing a complete propeller overhaul at the time of compliance with this Bulletin. The following text is written to describe the minimum work necessary for compliance with this Bulletin. Compliance with this Bulletin

HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers

**Propeller - Blade Inspection**

does not constitute a blade overhaul. However, an overhaul, if blade shank inspection is performed in accordance with the following text, does meet the compliance requirements of this Bulletin. A previous overhaul, prior to issuance of this Bulletin, can meet the requirements of this Bulletin only if the overhaul agency can verify that the following etching and penetrant process was used to inspect the 12 inch portion of the blade shank.

- (1) Remove propeller from engine per airframe manufacturer's maintenance manual.
- (2) Disassemble the propeller to the extent necessary to remove the blades in order to perform the blade inspection. Disassemble in accordance with the appropriate Hartzell Propeller Overhaul Manual.
  - a. Steel hub propellers, HC-B(3,4,5)(T,M,P)-( ), require only separation of the blade clamp for blade removal.
  - b. Aluminum hub propellers, HC-(D,E)4(A,N)-( ), require separation of the hub halves for blade removal.
- (3) Remove the electric deicer boot from each affected blade. Removal and installation procedures for deicers are published in Hartzell Aluminum Blade Manual 133C.
- (4) A twelve (12) inch area from the blade butt outboard is to be inspected as follows (see figure 1):
  - a. Both sides of the blade are to be inspected.
  - b. The blade retention radius (area that is compression rolled) and the area inboard of the blade retention radius do not require inspection. Therefore, HC-(E,D)4( )-( ) series propellers do not have to have the inner blade retention bearing race removed in order to comply with this Bulletin. If the bearing race is not removed, extra precautions must be taken to assure adequate masking to prevent etching and penetrant materials from entering the area between the bearing race and the blade. (A suggested method is to suspend the blade vertically, butt end up, while performing deicer removal, etching, and penetrant application.)
  - c. For HC-(E,D)4( )-( ) series propellers, removal of the Teflon strip on the blade shank is required. The area requiring inspection includes the area covered by the Teflon strip.

HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers  
**Propeller - Blade Inspection**

- b. For HC-(E,D)4( )-( ) series propellers, blades have a counterweight bolted to a "counterweight knob" on the blade. Counterweight removal is not a requirement if it can be masked during the etching and penetrant process. Inspection of the counterweight knob immediately adjacent to the counterweight (within 1/4 inch) is not required (this will allow for masking).
- (5) Remove paint from the area to be inspected using either chemical paint stripper or plastic media. A light polishing of the area to be inspected with a mild non-metallic abrasive (such as Scotch Brite pad) is also permissible, if desired, to facilitate the etching/anodize removal process.

**CAUTION:** THE ETCHING PROCESS PRIOR TO PENETRANT INSPECTION IS AN ESSENTIAL REQUIREMENT THAT MUST NOT BE OVERLOOKED.

- (6) Remove the anodize from the area to be inspected by chemical etching in accordance with Pre-Penetrant Etch Treatment in the Dye Penetrant Inspection Chapter of Hartzell Standard Practices Manual 202A. Perform dye penetrant inspection in accordance with the Dye Penetrant Inspection Chapter of Hartzell Standard Practices Manual 202A except that only the Fluorescent Dye method is required (visible dye method is not authorized). Any linear penetrant indication is cause for retirement. Please report any such incidents to the Hartzell Product Support Dept. immediately (phone 513-778-4200, fax 513-778-4321). Any blade that is retired due to this Bulletin must be returned to Hartzell Propeller for further evaluation.
- (7) If blade is satisfactory, apply chemical conversion coating to exposed aluminum per the optional procedures addressed in the Chromic Acid Anodize Chapter of Manual 202A.
- (8) Paint the blade and install new deicers (if applicable) in accordance with the Hartzell Aluminum Blade Overhaul Manual 133C.

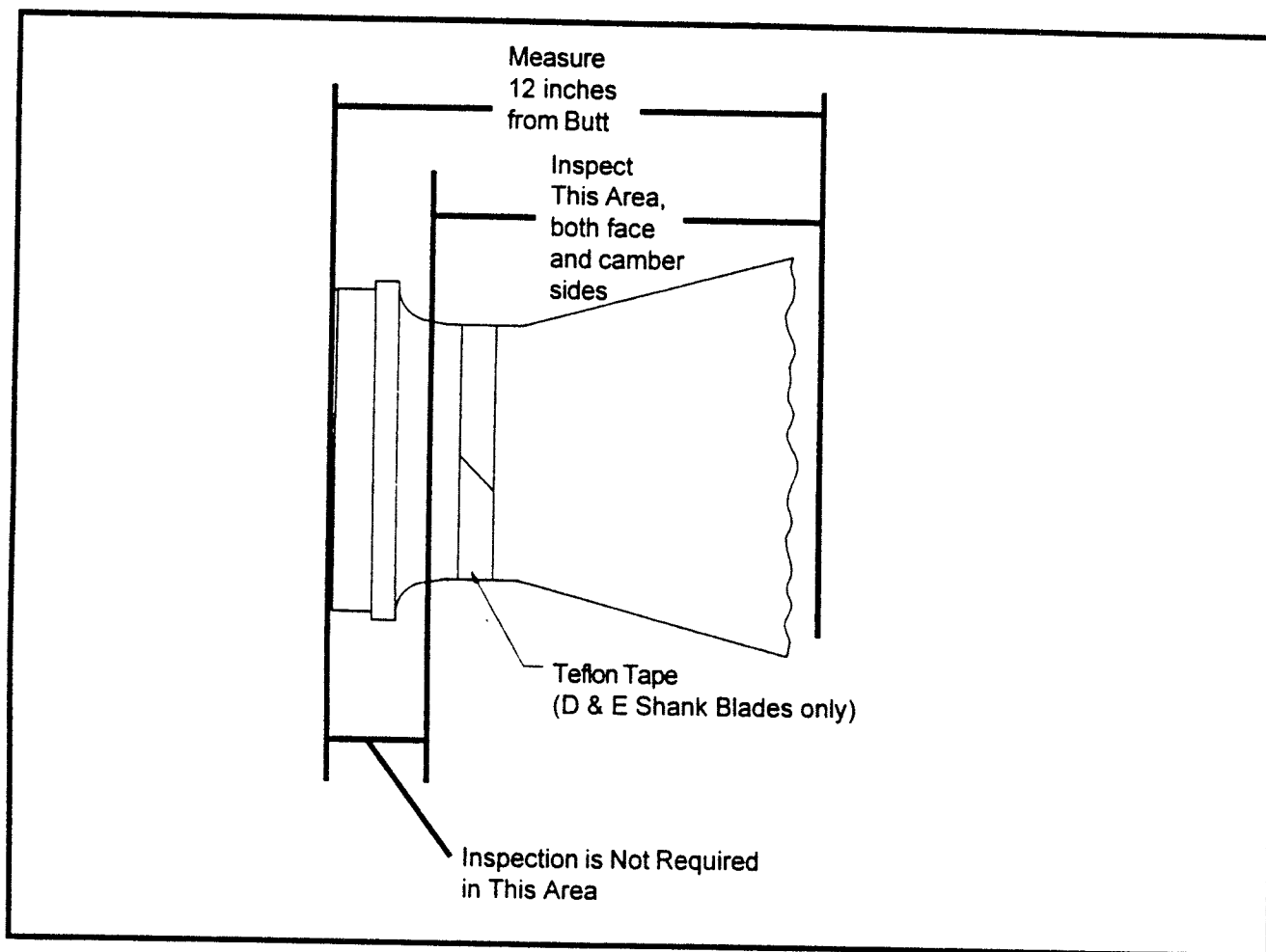
**NOTE:** The recommended cure time for 1300L cement for the deicer is 12 hours before engine operation and 24 hours before operating the de-ice system. Recommended cure time for paint is 24 hours prior to operation.

- (9) Assemble the propeller in accordance with the appropriate Hartzell Propeller Overhaul Manual. Perform static balance of the propeller in accordance with the Static and Dynamic Balance chapter of Hartzell Manual 202A.

HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers  
**Propeller - Blade Inspection**

- (10) It is recommended that a A6411-1 Service Bulletin Compliance Label be installed on the on propeller cylinder (if not already present). Mark the label to indicate compliance with this Bulletin.
- (11) Install propeller and spinner in accordance with the airframe manufacturer's maintenance manual. Perform dynamic balance, if required, in accordance with airframe manufacturer's instructions.
- (12) Make a logbook entry indicating compliance with this Bulletin.



Area of Blade to be Inspected  
Figure 1

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

**D9327K Blades - List of Affected Blade Serial Numbers  
Sorted by Blade Serial Number  
Table 1**

**AIRCRAFT:**

<u>Aircraft Model</u> Shorts	<u>TC/STC #</u>	<u>Modifier</u>	<u>Propeller/Blade</u>
S312 TUCANO	None	None	HC-D4N-5C/D9327K

**AFFECTED BLADES:**

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H45997	D9327K	HC-D4N-5C	FV190	SHORT BROS	21266	4/16/92
H45998	D9327K	HC-D4N-5C	FV193	SHORT BROS	21266	4/16/92
H45999	D9327K	HC-D4N-5C	FV190	SHORT BROS	21266	4/16/92
H46000	D9327K	HC-D4N-5C	FV193	SHORT BROS	21266	4/16/92
H46001	D9327K	HC-D4N-5C	FV191	SHORT BROS	21266	4/16/92
H46002	D9327K	HC-D4N-5C	FV193	SHORT BROS	21266	4/16/92
H46003	D9327K	HC-D4N-5C	FV190	SHORT BROS	21266	4/16/92
H46004	D9327K	HC-D4N-5C	FV193	SHORT BROS	21266	4/16/92
H46005	D9327K	HC-D4N-5C	FV190	SHORT BROS	21266	4/16/92
H46006	D9327K	HC-D4N-5C	FV192	SHORT BROS	21266	4/16/92
H46007	D9327K	HC-D4N-5C	FV192	SHORT BROS	21266	4/16/92
H46008	D9327K	HC-D4N-5C	FV192	SHORT BROS	21266	4/16/92
H46009	D9327K	HC-D4N-5C	FV191	SHORT BROS	21266	4/16/92
H46010	D9327K	HC-D4N-5C	FV191	SHORT BROS	21266	4/16/92
H46011	D9327K	HC-D4N-5C	FV191	SHORT BROS	21266	4/16/92
H46012	D9327K	HC-D4N-5C	FV192	SHORT BROS	21266	4/16/92
H46782	D9327K	HC-D4N-5C	FV194	SHORT BROS	21266	5/14/92
H46783	D9327K	HC-D4N-5C	FV199	SHORT BROS	21266	6/12/92
H46784	D9327K	HC-D4N-5C	FV196	SHORT BROS	21266	5/14/92
H46785	D9327K	HC-D4N-5C	FV195	SHORT BROS	21266	5/14/92
H46786	D9327K	HC-D4N-5C	FV196	SHORT BROS	21266	5/14/92
H46787	D9327K	HC-D4N-5C	FV198	SHORT BROS	21266	6/12/92
H46788	D9327K	HC-D4N-5C	FV197	SHORT BROS	21266	5/14/92
H46789	D9327K	HC-D4N-5C	FV198	SHORT BROS	21266	6/12/92
H46790	D9327K	HC-D4N-5C	FV199	SHORT BROS	21266	6/12/92
H46791	D9327K	HC-D4N-5C	FV197	SHORT BROS	21266	5/14/92
H46792	D9327K	HC-D4N-5C	FV199	SHORT BROS	21266	6/12/92
H46793	D9327K	HC-D4N-5C	FV198	SHORT BROS	21266	6/12/92
H46794	D9327K	HC-D4N-5C	FV197	SHORT BROS	21266	5/14/92
H46795	D9327K	HC-D4N-5C	FV199	SHORT BROS	21266	6/12/92
H46796	D9327K	HC-D4N-5C	FV196	SHORT BROS	21266	5/14/92
H46797	D9327K	HC-D4N-5C	FV195	SHORT BROS	21266	5/14/92
H46798	D9327K	HC-D4N-5C	FV195	SHORT BROS	21266	5/14/92
H46799	D9327K	HC-D4N-5C	FV196	SHORT BROS	21266	5/14/92
H46800	D9327K	HC-D4N-5C	FV194	SHORT BROS	21266	5/14/92
H46801	D9327K	HC-D4N-5C	FV194	SHORT BROS	21266	5/14/92
H46802	D9327K	HC-D4N-5C	FV195	SHORT BROS	21266	5/14/92
H46803	D9327K	HC-D4N-5C	FV198	SHORT BROS	21266	6/12/92
H46804	D9327K	HC-D4N-5C	FV197	H & S AV.	31757	3/19/93
H46805	D9327K	HC-D4N-5C	FV197	SHORT BROS	21266	5/14/92



# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

Table 1 (continued)

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H47885	D9327K	HC-D4N-5C	FV203	SHORT BROS	21266	8/11/92
H47886	D9327K	HC-D4N-5C	FV203	SHORT BROS	21266	8/11/92
H47887	D9327K	HC-D4N-5C	FV202	SHORT BROS	21266	6/22/92
H47888	D9327K	HC-D4N-5C	FV200	SHORT BROS	21266	6/22/92
H47889	D9327K	HC-D4N-5C	FV204	SHORT BROS	21266	8/11/92
H47890	D9327K	HC-D4N-5C	FV202	SHORT BROS	21266	6/22/92
H47891	D9327K	HC-D4N-5C	FV200	SHORT BROS	21266	6/22/92
H47892	D9327K	HC-D4N-5C	FV200	SHORT BROS	21266	6/22/92
H47893	D9327K	HC-D4N-5C	FV204	SHORT BROS	21266	8/11/92
H47894	D9327K	HC-D4N-5C	FV201	SHORT BROS	21266	6/22/92
H47895	D9327K	HC-D4N-5C	FV201	SHORT BROS	21266	6/22/92
H47896	D9327K	HC-D4N-5C	FV204	SHORT BROS	21266	8/11/92
H47897	D9327K	HC-D4N-5C	FV203	SHORT BROS	21266	8/11/92
H47898	D9327K	HC-D4N-5C	FV203	SHORT BROS	21266	8/11/92
H47899	D9327K	HC-D4N-5C	FV200	SHORT BROS	21266	6/22/92
H47900	D9327K	HC-D4N-5C	FV201	SHORT BROS	21266	6/22/92
H47901	D9327K	HC-D4N-5C	FV202	SHORT BROS	21266	6/22/92
H47902	D9327K	HC-D4N-5C	FV204	SHORT BROS	21266	8/11/92
H47903	D9327K	HC-D4N-5C	FV202	SHORT BROS	21266	6/22/92
H47904	D9327K	HC-D4N-5C	FV201	SHORT BROS	21266	6/22/92
H48499	D9327K			SHORT BROS	21266	6/22/92
H48501	D9327K			SHORT BROS	31070	2/25/93
H48502	D9327K			SHORT BROS	31070	1/14/93
H48503	D9327K	HC-D4N-5C	FV208	SHORT BROS	30496	11/6/92
H48504	D9327K	HC-D4N-5C	FV208	SHORT BROS	30496	11/6/92
H48505	D9327K	HC-D4N-5C	FV208	SHORT BROS	30496	11/6/92
H48506	D9327K			SHORT BROS	31070	1/14/93
H48507	D9327K			SHORT BROS	31070	1/14/93
H48508	D9327K			SHORT BROS	31070	1/14/93
H48509	D9327K	HC-D4N-5C	FV208	SHORT BROS	30496	11/6/92
H48510	D9327K			SHORT BROS	31070	1/14/93
H68983	D9327K	HC-D4N-5C	FV217	SHORT BROS	36846	10/28/94
H68985	D9327K	HC-D4N-5C	FV217	SHORT BROS	36846	10/28/94
H68986	D9327K	HC-D4N-5C	FV217	SHORT BROS	36846	10/28/94
H68987	D9327K	HC-D4N-5C	FV217	SHORT BROS	36846	10/28/94
H70142	D9327K	HC-D4N-5C	FV218	SHORT BROS	36846	11/11/94
H70143	D9327K	HC-D4N-5C	FV218	SHORT BROS	36846	11/11/94
H70146	D9327K	HC-D4N-5C	FV218	SHORT BROS	36846	11/11/94

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

**D9512A(K) Blades - List of Affected Blade Serial Numbers**  
**Sorted by Blade Serial Number**  
**Table 2**

**AIRCRAFT:**

Aircraft Model

Pilatus

PC-9, PC7 mk II

TC/STC #

None

Modifier

None

Propeller/Blade

HC-D4N-2()/D9512AK

**AFFECTED BLADES:**

<u>BLADE SERIAL</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H45204	D9512A	HC-D4N-2A	GG232	A/C PROP & SPRS 27636		3/13/92
H45205	D9512A	HC-D4N-2A	GG233	A/C PROP & SPRS 27636		3/13/92
H45206	D9512A	HC-D4N-2A	GG232	A/C PROP & SPRS 27636		3/13/92
H45207	D9512A	HC-D4N-2A	GG232	A/C PROP & SPRS 27636		3/13/92
H45208	D9512A	HC-D4N-2A	GG233	A/C PROP & SPRS 27636		3/13/92
H45209	D9512A	HC-D4N-2A	GG232	A/C PROP & SPRS 27636		3/13/92
H45210	D9512A	HC-D4N-2A	GG233	A/C PROP & SPRS 27636		3/13/92
H45211	D9512A	HC-D4N-2A	GG233	A/C PROP & SPRS 27636		3/13/92
H45466	D9512A	HC-D4N-2A	GG234	PILATUS	26305	4/3/92
H45467	D9512A	HC-D4N-2A	GG236	PILATUS	26305	4/3/92
H45468	D9512A	HC-D4N-2A	GG235	PILATUS	26305	4/3/92
H45469	D9512A	HC-D4N-2A	GG235	PILATUS	26305	4/3/92
H45470	D9512A	HC-D4N-2A	GG234	PILATUS	26305	4/3/92
H45471	D9512A	HC-D4N-2A	GG236	PILATUS	26305	4/3/92
H45472	D9512A	HC-D4N-2A	GG236	PILATUS	26305	4/3/92
H45473	D9512A	HC-D4N-2A	GG238	PILATUS	24774	5/21/93
H45474	D9512A	HC-D4N-2A	GG235	PILATUS	26305	4/3/92
H45475	D9512A	HC-D4N-2A	GG235	PILATUS	26305	4/3/92
H45476	D9512A	HC-D4N-2A	GG238	PILATUS	31459	5/21/93
H45477	D9512A	HC-D4N-2A	GG236	PILATUS	26305	4/3/92
H48087	D9512A	HC-D4N-2A	GG239	PILATUS	31459	5/21/93
H48088	D9512A	HC-D4N-2A	GG239	PILATUS	31459	5/21/93
H48089	D9512A	HC-D4N-2A	GG239	PILATUS	31459	5/21/93
H48090	D9512A	HC-D4N-2A	GG250	PILATUS	31684	12/15/93
H48091	D9512A	HC-D4N-2A	GG249	P & W	33815	12/7/93
H48092	D9512A	HC-D4N-2A	GG238	PILATUS	31459	5/21/93
H48093	D9512A	HC-D4N-2A	GG249	P & W	33815	12/7/93
H48094	D9512A	HC-D4N-2A	GG249	P & W	33815	12/7/93
H48095	D9512A	HC-D4N-2A	GG239	PILATUS	31459	5/21/93
H48096	D9512A	HC-D4N-2A	GG238	PILATUS	31459	5/21/93
H48097	D9512A	HC-D4N-2A	GG249	P & W	33815	12/7/93
H48098	D9512A	HC-D4N-2A	GG242	PILATUS	32521	6/21/93
H48099	D9512A	HC-D4N-2A	GG240	PILATUS	31459	5/21/93
H48100	D9512A	HC-D4N-2A	GG240	PILATUS	31459	5/21/93
H48101	D9512A	HC-D4N-2A	GG240	PILATUS	31459	5/21/93
H48102	D9512A	HC-D4N-2A	GG240	PILATUS	31459	5/21/93
H82559	D9512A	HC-D4N-2A	GG334	PILATUS	41545	11/9/95
H82560	D9512AK	HC-D4N-2D	GG336	PILATUS	31684	11/17/95

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

Table 2 (continued)

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H82561	D9512A	HC-D4N-2A	GG335	PILATUS	41545	11/9/95
H82597	D9512A	HC-D4N-2A	GG331	PILATUS	39297	11/3/95
H82598	D9512A	HC-D4N-2A	GG333	PILATUS	41545	11/9/95
H82599	D9512A	HC-D4N-2A	GG331	PILATUS	39297	11/3/95
H82600	D9512A	HC-D4N-2A	GG333	PILATUS	41545	11/9/95
H82601	D9512A	HC-D4N-2A	GG331	PILATUS	39297	11/3/95
H82602	D9512A	HC-D4N-2A	GG332	PILATUS	39297	11/3/95
H82603	D9512A	HC-D4N-2A	GG333	PILATUS	41545	11/9/95
H82604	D9512A	HC-D4N-2A	GG332	PILATUS	39297	11/3/95
H82605	D9512A	HC-D4N-2A	GG332	PILATUS	39297	11/3/95
H82606	D9512A	HC-D4N-2A	GG333	PILATUS	41545	11/9/95
H82607	D9512A	HC-D4N-2A	GG331	PILATUS	39297	11/3/95
H82608	D9512A	HC-D4N-2A	GG331	PILATUS	39297	11/3/95
H85245	D9512AK	HC-D4N-2D	GG350	PILATUS	42374	1/31/96
H85246	D9512AK	HC-D4N-2D	GG350	PILATUS	42374	1/31/96
H85247	D9512AK	HC-D4N-2D	GG350	PILATUS	42374	1/31/96
H85248	D9512AK	HC-D4N-2D	GG350	PILATUS	42374	1/31/96
H85249	D9512AK	HC-D4N-2D	GG349	PILATUS	42374	1/31/96
H85250	D9512AK	HC-D4N-2D	GG349	PILATUS	42374	1/31/96
H85251	D9512AK	HC-D4N-2D	GG349	PILATUS	42374	1/31/96
H85252	D9512AK	HC-D4N-2D	GG349	PILATUS	42374	1/31/96
H85562	D9512AK	HC-D4N-2D	GG351	PILATUS	42374	1/31/96
H85563	D9512AK	HC-D4N-2D	GG351	PILATUS	42374	1/31/96
H85564	D9512AK	HC-D4N-2D	GG351	PILATUS	42374	1/31/96
H85565	D9512A	HC-D4N-2A	GG348	PILATUS	39850	1/25/96
H85566	D9512A	HC-D4N-2A	GG348	PILATUS	39850	1/25/96
H85567	D9512A	HC-D4N-2A	GG347	PILATUS	39850	1/25/96
H85568	D9512A	HC-D4N-2A	GG347	PILATUS	39850	1/25/96
H85569	D9512A	HC-D4N-2A	GG348	PILATUS	39850	1/25/96
H85570	D9512AK	HC-D4N-2D	GG351	PILATUS	42374	1/31/96
H85571	D9512A	HC-D4N-2A	GG347	PILATUS	39850	1/25/96
H85572	D9512A	HC-D4N-2A	GG347	PILATUS	39850	1/25/96
H85573	D9512A	HC-D4N-2A	GG348	PILATUS	39850	1/25/96
H86886	D9512AK	HC-D4N-2D	GG354	PILATUS	42374	2/29/96
H86887	D9512AK	HC-D4N-2D	GG354	PILATUS	42374	2/29/96
H86888	D9512AK	HC-D4N-2D	GG355	PILATUS	42374	2/29/96
H87355	D9512A	HC-D4N-2A	GG357	PILATUS	39850	3/19/96
H87356	D9512A	HC-D4N-2A	GG356	PILATUS	39850	3/19/96
H87357	D9512A	HC-D4N-2A	GG356	PILATUS	39850	3/19/96
H87358	D9512A	HC-D4N-2A	GG357	PILATUS	39850	3/19/96
H87359	D9512A	HC-D4N-2A	GG356	PILATUS	39850	3/19/96
H87362	D9512A	HC-D4N-2A	GG357	PILATUS	39850	5/13/96
H89070	D9512A	HC-D4N-2A	GG361	PILATUS	44392	5/29/96
H89071	D9512A	HC-D4N-2A	GG362	PILATUS	44392	5/29/96
H89072	D9512A	HC-D4N-2A	GG362	PILATUS	44392	5/29/96
H89073	D9512A	HC-D4N-2A	GG361	PILATUS	44392	5/29/96
H89074	D9512A	HC-D4N-2A	GG362	PILATUS	44392	5/29/96
H89075	D9512A	HC-D4N-2A	GG361	PILATUS	44392	5/29/96
H89076	D9512A	HC-D4N-2A	GG361	PILATUS	44392	5/29/96
H89077	D9512A	HC-D4N-2A	GG362	PILATUS	44392	5/29/96

July 8/96

HC-ASB-61-220

Page 13 of 24

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

Table 2 (continued)

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H89134	D9512A	HC-D4N-2A	GG363	PILATUS	44402	5/29/96
H89135	D9512A	HC-D4N-2A	GG363	PILATUS	44402	5/29/96
H89136	D9512A	HC-D4N-2A	GG364	PILATUS	44402	5/29/96
H89137	D9512A	HC-D4N-2A	GG363	PILATUS	44402	5/29/96
H89138	D9512A	HC-D4N-2A	GG364	PILATUS	44402	5/29/96
H89139	D9512A	HC-D4N-2A	GG363	PILATUS	44402	5/29/96
H89140	D9512A	HC-D4N-2A	GG364	PILATUS	44402	5/29/96
H89141	D9512A	HC-D4N-2A	GG364	PILATUS	44402	5/29/96
H90200	D9512A	HC-D4N-2A	GG372	PILATUS	44402	6/14/96
H90201	D9512A	HC-D4N-2A	GG372	PILATUS	44402	6/14/96
H90202	D9512A	HC-D4N-2A	GG372	PILATUS	44402	6/14/96
H90203	D9512A	HC-D4N-2A	GG373	PILATUS	44402	6/14/96
H90204	D9512A	HC-D4N-2A	GG373	PILATUS	44402	6/14/96
H90205	D9512A	HC-D4N-2A	GG372	PILATUS	44402	6/14/96
H90206	D9512A	HC-D4N-2A	GG373	PILATUS	44402	6/14/96
H90207	D9512A	HC-D4N-2A	GG373	PILATUS	44402	6/14/96

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

### LT10763N( ) Blades - List of Affected Blade Serial Numbers Sorted by Blade Serial Number

Table 3

**AIRCRAFT:**

<u>Aircraft Model</u>	<u>TC/STC #</u>	<u>Modifier</u>	<u>Propeller/Blade</u>
Aero Commander 690, A, B TURBO COMMANDER	STC-SA546GL	GULFSTREAM AMER.	HC-B3TN-5NL/LT10673NB

**AFFECTED BLADES:**

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H45218	LT10673			HARTZELL SC	28175	3/6/92
H45219	LT10673NB	HC-B3TN-5NL	BV4995	HARTZELL SC	27713	3/13/92
H45220	LT10673NB	HC-B3TN-5NL	BV4995	HARTZELL SC	27713	3/13/92
H45221	LT10673N			HARTZELL SC	28175	3/6/92
H45222	LT10673N			HARTZELL SC	28175	3/6/92
H45223	LT10673N			HARTZELL SC	28175	3/6/92
H45224	LT10673N			HARTZELL SC	28175	3/6/92
H45225	LT10673NB	HC-B3TN-5NL	BV4995	HARTZELL SC	28175	3/6/92
H45226	LT10673N			HARTZELL SC	27713	3/13/92
H46159	LT10673N			AAR	28175	3/6/92
H46160	LT10673N	HC-B3TN-5NL	BV5003	MT PROP	28478	4/8/92
H46161	LT10673N	HC-B3TN-5NL	BV5004	MT PROP	28311	5/26/92
H46162	LT10673N	HC-B3TN-5NL	BV5004	MT PROP	28311	5/26/92
H46163	LT10673N			AAR	28311	5/26/92
H46164	LT10673N	HC-B3TN-5NL	BV5003	MT PROP	28478	4/8/92
H46165	LT10673N	HC-B3TN-5NL	BV5004	MT PROP	28311	5/26/92
H46166	LT10673N			C & A AV.	28311	5/26/92
H46167	LT10673N	HC-B3TN-5NL	BV5003	MT PROP	33680	9/15/93
H48699	LT10673N			MT PROP	28311	5/20/92
H48700	LT10673N			AV. PROP, ORL	28986	6/24/92
H48701	LT10673N			HARTZELL SC	29538	8/14/92
H48702	LT10673N			HARTZELL SC	29538	7/24/92
H48703	LT10673N			AV. PROP, ORL	28986	6/24/92
H48704	LT10673N			AV. PROP, ORL	28986	6/24/92
H48705	LT10673N			HARTZELL SC	29538	8/14/92
H48706	LT10673N			AAR	28491	7/9/92
H48707	LT10673N			AAR	28491	7/9/92
H48708	LT10673N			AAR	28491	7/9/92
H52927	LT10673N			HARTZELL SC	29538	7/24/92
H52928	LT10673NB			OTTOSEN	29387	12/22/9
H52929	LT10673N			HARTZELL SC	30984	12/16/9
H52930	LT10673NB			OTTOSEN	29387	12/22/9
H52931	LT10673N			HARTZELL SC	30984	12/16/9
H52932	LT10673NB			OTTOSEN	29387	12/22/9
H53428	LT10673N			HARTZELL SC	30984	12/16/9
H53429	LT10673N			AAR	28496	1/12/93
H53430	LT10673N			AAR	28496	1/12/93
H53431	LT10673N			OTTOSEN	30251	1/29/93
				OTTOSEN	30251	1/29/93

July 8/96

HC-ASB-61-220  
Page 15 of 24

HARTZELL PROPELLER INC.  
**ALERT SERVICE BULLETIN**

Propellers  
Propeller - Blade Inspection

Table 3 (continued)

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H53432	LT10673N			OTTOSEN	30251	1/29/93
H53433	LT10673N			AAR	28496	1/12/93
H53905	LT10673N			OTTOSEN	30251	1/29/93
H53906	LT10673N			OTTOSEN	30251	1/29/93
H53907	LT10673N			C & A AV.	32864	6/25/93
H53908	LT10673N			OTTOSEN	30251	1/29/93
H53909	LT10673N			C & A AV.	32864	6/25/93
H53910	LT10673N			C & A AV.	33683	9/15/93

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

**LT10673N( )-2Q Blades - List of Affected Blade Serial Numbers  
Sorted by Blade Serial Number  
Table 4**

**AIRCRAFT:**

<u>Aircraft Model</u>	<u>TC/STC #</u>	<u>Modifier</u>	<u>Propeller/Blade</u>
Aero Commander 690, A, B, C TURBO COMMANDER	STC-SA1464NM	AERO AIR	HC-B3TN-5FL/LT10673N()-2Q

**AFFECTED BLADES:**

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H44622	LT10673N-2Q			OTTOSEN	27625	2/14/92
H44623	LT10673N-2Q			AAR	28478	4/8/92
H44624	LT10673N-2Q			AAR	28478	4/8/92
H44625	LT10673N-2Q			AAR	28478	4/8/92
H44626	LT10673N-2Q			AAR	28478	4/8/92
H44627	LT10673N-2Q			OTTOSEN	27625	2/14/92
H46169	LT10673N-2Q			AVIATION PROP	32785	6/21/93
H46170	LT10673N-2Q			HARTZELL SC	29642	8/10/92
H46171	LT10673N-2Q			HARTZELL SC	29642	8/10/92
H46172	LT10673N-2Q			HARTZELL SC	29642	8/10/92
H46173	LT10673N-2Q			OTTOSEN	28543	6/30/92
H46175	LT10673N-2Q			OTTOSEN	28543	6/30/92
H46176	LT10673N-2Q			HARTZELL SC	29642	8/10/92
H46176	LT10673N-2Q			HARTZELL SC	29642	8/10/92
H52921	LT10673N-2Q			OTTOSEN	29387	12/22/92
H52923	LT10673N-2Q			OTTOSEN	29387	12/22/92
H52924	LT10673N-2Q			OTTOSEN	29387	12/22/92
H52925	LT10673N-2Q			OTTOSEN	29387	12/22/92
H52926	LT10673N-2Q			OTTOSEN	29387	12/22/92
H53067	LT10673N-2Q			OTTOSEN	29387	12/22/92
				OTTOSEN	29387	12/22/92

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

#### M10282AN( )+6 Blades - List of Affected Blade Serial Numbers Sorted by Blade Serial Number

Table 5

**AIRCRAFT:**

<u>Aircraft Model</u>	<u>TC/STC #</u>	<u>Modifier</u>	<u>Propeller/Blade</u>
<b>Air Tractor</b> AT-502A AIR TRACTOR	A17SW	None	HC-B5MP-3A/M10282AN+6
<b>Nord</b> 262 FRAKES MOHAWK	STC-SA2369SW	FRAKES	HC-B5MP-3(A)/M10282ANB+6
<b>Shorts</b> SD3-30-200, C-23A SHERPA	A41EU	None	HC-B5MP-3A/M10282ANB+6

**AFFECTED BLADES:**

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H45748	M10282AN+6			CSE	29375	8/14/92
H45749	M10282AN+6			SENENICH	28583	6/30/92
H45750	M10282AN+6			PIEDMONT	29112	6/15/92
H45751	M10282AN+6			PIEDMONT	29112	6/15/92
H45752	M10282AN+6			AIRCRAFT ACC	28056	3/20/92
H45753	M10282AN+6			SENENICH	28583	6/30/92
H45754	M10282AN+6			PIEDMONT	29112	6/15/92
H45755	M10282AN+6			PIEDMONT	29112	6/15/92
H45756	M10282AN+6			PIEDMONT	29112	6/15/92
H45757	M10282AN+6			SENENICH	28583	6/30/92
H45758	M10282AN+6			SENENICH	28583	6/30/92
H45759	M10282AN+6			SENENICH	28583	6/30/92
H50103	M10282AN+6			CSE	29375	8/14/92
H50104	M10282AN+6			CSE	29375	8/14/92
H50105	M10282AN+6			CSE	29375	8/14/92
H50106	M10282AN+6			CSE	29375	8/14/92
H50107	M10282AN+6			CSE	29375	8/14/92
H50108	M10282AN+6			CSE	29375	8/14/92
H50109	M10282AN+6			CSE	29375	8/14/92
H50110	M10282AN+6			CSE	29375	8/14/92
H50111	M10282AN+6			SENENICH	29814	11/6/92
H50112	M10282AN+6			CSE	29375	8/14/92
H50113	M10282AN+6			SENENICH	29814	11/6/92
H50115	M10282AN+6			SENENICH	29814	11/6/92
H50116	M10282AN+6			SENENICH	29814	11/6/92
H50117	M10282AN+6			SENENICH	29814	11/6/92
H51425	M10282AN+6			CSE	31756	3/10/93
H51422	M10282ANB+6HC-B5MP-3A		EV1007	C & A AV.	31501	4/18/93
H51423	M10282ANB+6HC-B5MP-3A		EV1008	C & A AV.	31501	4/28/93



# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

### M10876ANS( ) Blades - List of Affected Blade Serial Numbers Sorted by Blade Serial Number

Table 6

<u>AIRCRAFT:</u> <u>Aircraft Model</u>	<u>TC/STC #</u>	<u>Modifier</u>	<u>Propeller/Blade</u>
<b>Air Tractor</b>			
AT-503 AIR TRACTOR	A17SW	None	HC-B5MP-3C/M10876ANS
AT-802 AIR TRACTOR	A19SW	None	HC-B5MP-3C/M10876ANS
<b>Antonov</b>			
AN-28	Unknown	PEZETEL MIELEC	HC-B5MP-3D/M10876ANSK
<b>Ayres</b>			
S2R-T65 TURBO THRUSH	A4SW, A3SW	None	HC-B5MP-3C/M10876ANS
S2RHG-T65 TURBO THRUSH	A4SW, A3SW	None	HC-B5MP-3C/M10876ANS
<b>Douglas</b>			
DC-3	Unknown	SHAFFER/AMI	HC-B5MP-3C/M10876ANS(K)
DC-3	Unknown	U.S.AIRCRAFT	HC-B5MP-3C/M10876ANS(B)
<b>Norman Aeroplane</b>			
NAC 6 FIELDMASTER	Unknown	CROP LEASE	HC-B5MP-3C/M10876ANS
<b>PZL</b>			
PZL-M18 DROMADER	STC-SA1014GL	TURBINES INC.	HC-B5MP-3C/M10876ANS
<b>Shorts</b>			
SD3-60-200, SD3-SHERPA-200	A41EU	None	HC-B5MP-3C/M10876ANS()

AFFECTED BLADES:

<u>DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>	<u>SERIAL NO.</u>
H45451	M10876ANS			H & S AV.	27958	3/13/92
H45452	M10876ANS			SENENICH	28009	3/13/92
H45453	M10876ANS			H & S AV.	27958	3/13/92
H45454	M10876ANS			SENENICH	28009	3/13/92
H45455	M10876ANS			H & S AV.	28186	3/13/92
H45456	M10876ANS			SENENICH	28009	3/13/92
H45457	M10876ANS			H & S AV.	28186	3/13/92
H45458	M10876ANS			H & S AV.	28186	3/13/92
H45459	M10876ANS			H & S AV.	27958	3/13/92
H45460	M10876ANS			H & S AV.	28186	3/13/92
H45461	M10876ANS			H & S AV.	28186	3/13/92
H45462	M10876ANS			H & S AV.	27958	3/13/92
H45463	M10876ANS			SENENICH	28009	3/13/92
H45464	M10876ANS			SENENICH	28009	3/13/92
H45465	M10876ANS			H & S AV.	27958	3/13/92
H46207	M10876ANS			SENENICH	27805	4/9/92
H46208	M10876ANS	HC-B5MP-3C	EV1002	AYRES	14570	5/7/92
H46209	M10876ANS			HARTZELL SC	28245	4/10/92
H46210	M10876ANS			SENENICH	28161	4/9/92
H46211	M10876ANS			SENENICH	28161	4/9/92
H46212	M10876ANS			SENENICH	28161	4/9/92
H46213	M10876ANS			HARTZELL SC	28245	4/8/92

July 8/96

HC-ASB-61-220  
Page 19 of 24

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

Table 6 (continued)

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H46214	M10876ANS			SENENICH	27805	4/9/92
H46215	M10876ANS	HC-B5MP-3C	EV1001	AIR TRACTOR	27379	4/27/92
H46216	M10876ANS	HC-B5MP-3C	EV1003	PIEDMONT	28641	5/29/92
H46217	M10876ANS			SENENICH	27805	4/9/92
H46218	M10876ANS	HC-B5MP-3C	EV1001	AIR TRACTOR	27379	4/27/92
H46219	M10876ANS			HARTZELL SC	28245	4/10/92
H46220	M10876ANS			HARTZELL SC	28245	4/10/92
H46221	M10876ANS			SENENICH	28161	4/9/92
H46222	M10876ANS			HARTZELL SC	28245	4/10/92
H46223	M10876ANS			SENENICH	27805	4/9/92
H46224	M10876ANS			SENENICH	28161	4/9/92
H46225	M10876ANS			SENENICH	27805	4/9/92
H46226	M10876ANS			HARTZELL SC	28245	4/10/92
H46508	M10876ANS	HC-B5MP-3C	EV1002	AYRES	14570	5/7/92
H46509	M10876ANS	HC-B5MP-3C	EV1003	PIEDMONT	28641	5/29/92
H46510	M10876ANS			SENENICH	29082	6/19/92
H46511	M10876ANS	HC-B5MP-3C	EV1001	AIR TRACTOR	27379	4/27/92
H46512	M10876ANS			SENENICH	29082	6/19/92
H46513	M10876ANS	HC-B5MP-3C	EV1002	AYRES	14570	5/7/92
H46514	M10876ANS	HC-B5MP-3C	EV1001	AIR TRACTOR	27379	4/27/92
H46515	M10876ANS	HC-B5MP-3C	EV1003	PIEDMONT	28641	5/29/92
H46516	M10876ANS	HC-B5MP-3C	EV1002	AYRES	14570	5/7/92
H46517	M10876ANS	HC-B5MP-3C	EV1002	AYRES	14570	5/7/92
H46518	M10876ANS	HC-B5MP-3C	EV1003	PIEDMONT	28641	5/29/92
H46519	M10876ANS	HC-B5MP-3C	EV1001	AIR TRACTOR	27379	4/27/92
H46520	M10876ANS	HC-B5MP-3C	EV1003	PIEDMONT	28641	5/29/92
H46521	M10876ANS			HARTZELL SC	28245	4/10/92
H46522	M10876ANS			SENENICH	29082	6/19/92
H47957	M10876ANS			SENENICH	27810	5/29/92
H47958	M10876ANS			SENENICH	29252	7/1/92
H47959	M10876ANS			SENENICH	29262	7/1/92
H47960	M10876ANS			SENENICH	29252	7/1/92
H47961	M10876ANS			SENENICH	29252	7/1/92
H47962	M10876ANS			SENENICH	29252	7/1/92
H47963	M10876ANS			SENENICH	29252	7/1/92
H47964	M10876ANS			SENENICH	27810	5/29/92
H47965	M10876ANS			SENENICH	29252	7/1/92
H47966	M10876ANS			SENENICH	29082	6/19/92
H47967	M10876ANS			SENENICH	27810	5/29/92
H47968	M10876ANS			SENENICH	29252	7/1/92
H47969	M10876ANS			SENENICH	29082	6/19/92
H47970	M10876ANS			SENENICH	27810	5/29/92
H47971	M10876ANS			SENENICH	29082	6/19/92
H47972	M10876ANS			SENENICH	29082	6/19/92
H47974	M10876ANS			SENENICH	29082	6/19/92
H47975	M10876ANS			TEST CLUB		
H47976	M10876ANS			SENENICH	27810	5/29/92
H47977	M10876ANS			SENENICH	29282	6/19/92
H47978	M10876ANS			SENENICH	29252	7/1/92
H47979	M10876ANS			SENENICH	29252	7/1/92

# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## Propellers

### Propeller - Blade Inspection

**Table 6 (continued)**

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H49747	M10876ANS			H-S AVIATION	29619	8/13/92
H49748	M10876ANS			SENENICH	29652	8/24/92
H49749	M10876ANS			SENENICH	28584	7/30/92
H49750	M10876ANS			SENENICH	29652	8/24/92
H49751	M10876ANS			SENENICH	28584	7/30/92
H49752	M10876ANS			SENENICH	29652	8/24/92
H49753	M10876ANS			SENENICH	28584	7/30/92
H49754	M10876ANS			SENENICH	29652	8/24/92
H49755	M10876ANS			SENENICH	28584	7/30/92
H49756	M10876ANS			SENENICH	29652	8/24/92
H49757	M10876ANS			SENENICH	28584	7/30/92
H49758	M10876ANS			SENENICH	29652	8/24/92
H49759	M10876ANS			H-S AVIATION	29619	8/13/92
H49760	M10876ANS			H-S AVIATION	29619	8/13/92
H49761	M10876ANS			H-S AVIATION	29619	8/13/92
H50572	M10876ANS			SENENICH	29481	10/14/92
H50573	M10876ANS			SENENICH	29888	9/10/92
H50574	M10876ANS			SENENICH	29481	10/14/92
H50575	M10876ANS			SENENICH	29481	10/14/92
H50576	M10876ANS			H-S AVIATION	29924	9/14/92
H50577	M10876ANS			SENENICH	29888	9/10/92
H50578	M10876ANS			H-S AVIATION	35544	2/17/94
H50579	M10876ANS			SENENICH	29888	9/10/92
H50580	M10876ANS			H-S AVIATION	35544	2/17/94
H50581	M10876ANS			SENENICH	29888	9/10/92
H50582	M10876ANS			H-S AVIATION	29924	9/14/92
H50583	M10876ANS			SENENICH	29481	10/14/92
H50584	M10876ANS			H-S AVIATION	29924	9/14/92
H50585	M10876ANS			SENENICH	29481	10/14/92
H50586	M10876ANS			SENENICH	29888	9/10/92
H85037	M10876ANS	HC-B5MP-3C	EVA2047	AIR TRACTOR	42814	1/12/96
H85038	M10876ANS	HC-B5MP-3C	EVA2047	AIR TRACTOR	42814	1/12/96
H85039	M10876ANS	HC-B5MP-3C	EVA2048	AIR TRACTOR	42814	1/12/96
H85040	M10876ANS	HC-B5MP-3C	EVA2048	AIR TRACTOR	42814	1/12/96
H85041	M10876ANS	HC-B5MP-3C	EVA2047	AIR TRACTOR	42814	1/12/96
H85042	M10876ANS	HC-B5MP-3C	EVA2047	AIR TRACTOR	42814	1/12/96
H85043	M10876ANS	HC-B5MP-3C	EVA2048	AIR TRACTOR	42814	1/16/96
H85044	M10876ANS	HC-B5MP-3C	EVA2048	AIR TRACTOR	42814	1/16/96
H85045	M10876ANS	HC-B5MP-3C	EVA2047	AIR TRACTOR	42814	1/12/96
H85046	M10876ANS	HC-B5MP-3C	EVA2048	AIR TRACTOR	42814	1/16/96
H85468	M10876ANS	HC-B5MP-3C	EVA2050	AIR TRACTOR	42814	1/31/96
H85469	M10876ANS	HC-B5MP-3C	EVA2049	AYRES	35256	1/26/96
H85470	M10876ANS	HC-B5MP-3C	EVA2050	AIR TRACTOR	42814	1/31/96
H85471	M10876ANS	HC-B5MP-3C	EVA2050	AIR TRACTOR	42814	1/31/96
H85472	M10876ANS	HC-B5MP-3C	EVA2050	AIR TRACTOR	42814	1/31/96
H85473	M10876ANS	HC-B5MP-3C	EVA2049	AYRES	35256	1/26/96
H85474	M10876ANS	HC-B5MP-3C	EVA2050	AIR TRACTOR	42814	1/31/96
H85475	M10876ANS	HC-B5MP-3C	EVA2049	AYRES	35256	1/26/96
H85476	M10876ANS	HC-B5MP-3C	EVA2049	AYRES	35256	1/26/96
H85477	M10876ANS	HC-B5MP-3C	EVA2049	AYRES	35256	1/26/96

July 8/96

HC-ASB-61-220

Page 21 of 24

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

Table 6 (continued)

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H86339	M10876ANS	HC-B5MP-3C	EVA2052	AIR TRACTOR	43867	2/15/96
H86340	M10876ANS	HC-B5MP-3C	EVA2052	AIR TRACTOR	43867	2/15/96
H86341	M10876ANS	HC-B5MP-3C	EVA2052	AIR TRACTOR	43867	2/15/96
H86368	M10876ANS	HC-B5MP-3C	EVA2052	AIR TRACTOR	43867	2/15/96
H87692	M10876ANS			H-S AVIATION	44988	3/28/96
H87693	M10876ANS			H-S AVIATION	44988	3/28/96
H87694	M10876ANS			H-S AVIATION	44988	3/28/96
H87697	M10876ANS			H-S AVIATION	44988	3/28/96
H87698	M10876ANS			H-S AVIATION	44988	3/28/96
H87798	M10876ANS	HC-B5MP-3C	EVA2064	AIR TRACTOR	44599	5/10/96
H87799	M10876ANS			H-S AVIATION	44988	3/28/96
H87801	M10876ANS			H-S AVIATION	44988	3/28/96
H87802	M10876ANS			H-S AVIATION	44988	3/28/96
H87803	M10876ANS			H-S AVIATION	44988	3/28/96
H87804	M10876ANS	HC-B5MP-3C	EVA2064	AIR TRACTOR	44599	5/10/96
H87805	M10876ANS			H-S AVIATION	44988	3/28/96
H87806	M10876ANS	HC-B5MP-3C	EVA2064	AIR TRACTOR	44599	5/10/96
H88236	M10876ANS	HC-B5MP-3C	EVA2060	AIR TRACTOR	42814	4/30/96
H88237	M10876ANS	HC-B5MP-3C	EVA2060	AIR TRACTOR	42814	4/30/96
H88238	M10876ANS	HC-B5MP-3C	EVA2061	AIR TRACTOR	44599	5/10/96
H88239	M10876ANS	HC-B5MP-3C	EVA2061	AIR TRACTOR	44599	5/10/96
H88240	M10876ANS	HC-B5MP-3C	EVA2061	AIR TRACTOR	44599	5/10/96
H88241	M10876ANS	HC-B5MP-3C	EVA2060	AIR TRACTOR	42814	4/30/96
H88242	M10876ANS	HC-B5MP-3C	EVA2061	AIR TRACTOR	44599	5/10/96
H88243	M10876ANS	HC-B5MP-3C	EVA2060	AIR TRACTOR	42814	4/30/96
H88244	M10876ANS	HC-B5MP-3C	EVA2060	AIR TRACTOR	42814	4/30/96
H88245	M10876ANS	HC-B5MP-3C	EVA2061	AIR TRACTOR	44599	5/10/96
H88309	M10876ANS	HC-B5MP-3C	EVA2064	AIR TRACTOR	44599	5/10/96
H88310	M10876ANS	HC-B5MP-3C	EVA2064	AIR TRACTOR	44599	5/10/96
H88483	M10876ANSK			AIRCRAFT ASSY.	44291	4/26/96
H88484	M10876ANSK			AIRCRAFT ASSY.	44291	4/26/96
H88487	M10876ANSK			AIRCRAFT ASSY.	44291	4/26/96
H88488	M10876ANSK			AIRCRAFT ASSY.	44291	4/26/96
H88491	M10876ANSK			AIRCRAFT ASSY.	44291	4/26/96
H88611	M10876ANS	HC-B5MP-3C	EVA2058	AIR TRACTOR	43867	4/30/96
H88612	M10876ANS	HC-B5MP-3C	EVA2058	AIR TRACTOR	43867	4/30/96
H88613	M10876ANS	HC-B5MP-3C	EVA2059	AIR TRACTOR	42814	4/30/96
H88614	M10876ANS	HC-B5MP-3C	EVA2058	AIR TRACTOR	43867	4/30/96
H88615	M10876ANS	HC-B5MP-3C	EVA2059	AIR TRACTOR	42814	4/30/96
H88616	M10876ANS	HC-B5MP-3C	EVA2058	AIR TRACTOR	43867	4/30/96
H88617	M10876ANS	HC-B5MP-3C	EVA2059	AIR TRACTOR	42814	4/30/96
H88618	M10876ANS	HC-B5MP-3C	EVA2059	AIR TRACTOR	42814	4/30/96
H88619	M10876ANS	HC-B5MP-3C	EVA2059	AIR TRACTOR	42814	4/30/96
H88620	M10876ANS	HC-B5MP-3C	EVA2058	AIR TRACTOR	43867	4/30/96

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

### T10876ANS-2Q Blades - List of Affected Blade Serial Numbers Sorted by Blade Serial Number

Table 7

**AIRCRAFT:**

**Aircraft Model**  
Aero Commander  
690C  
695, 695A

**TC/STC #**

STC-SA3861NM AERO AIR  
STC-SA2380NM AERO AIR

**Modifier**

**Propeller/Blade**

HC-B3TN-5()/LT10876ANS-2Q  
HC-B3TN-5()/LT10876ANS-2Q

**AFFECTED BLADES:**

<b><u>BLADE SERIAL NO.</u></b>	<b><u>BLADE DESIGN</u></b>	<b><u>PROPELLER MODEL</u></b>	<b><u>PROP. S/N</u></b>	<b><u>ORIGINAL CUSTOMER</u></b>	<b><u>HARTZELL INVOICE #</u></b>	<b><u>ORIGINAL SHIP DATE</u></b>
H45228	LT10876ANS-2Q			PIEDMONT	27884	3/6/92
H45230	LT10876ANS-2Q			PIEDMONT	27884	3/6/92
H45231	LT10876ANS-2Q			PIEDMONT	27884	3/6/92
H45234	LT10876ANS-2Q			PIEDMONT	27884	3/6/92
H45235	LT10876ANS-2Q			PIEDMONT	27884	3/6/92

# HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN

## Propellers Propeller - Blade Inspection

### E10477K Blades - List of Affected Blade Serial Numbers Sorted by Blade Serial Number

Table 8

**AIRCRAFT:**

Aircraft Model

Pilatus

PC-12

TC/STC #

Unknown

Modifier

None

Propeller/Blade

HC-E4A-3D/E10477K

AFFECTED BLADES:

<u>BLADE SERIAL NO.</u>	<u>BLADE DESIGN</u>	<u>PROPELLER MODEL</u>	<u>PROP. S/N</u>	<u>ORIGINAL CUSTOMER</u>	<u>HARTZELL INVOICE #</u>	<u>ORIGINAL SHIP DATE</u>
H82609	E10477K	HC-E4A-3D	HJ543	PILATUS	41545	11/27/95
H82610	E10477K	HC-E4A-3D	HJ555	PILATUS	41545	12/21/95
H82611	E10477K	HC-E4A-3D	HJ554	PILATUS	41545	12/21/95
H82615	E10477K	HC-E4A-3D	HJ554	PILATUS	41545	12/21/95
H82616	E10477K	HC-E4A-3D	HJ554	PILATUS	41545	12/21/95
H82618	E10477K	HC-E4A-3D	HJ543	PILATUS	41545	11/27/95
H82619	E10477K	HC-E4A-3D	HJ542	PILATUS	41545	11/27/95
H86292	E10477K	HC-E4A-3D	HJ605	PILATUS	41545	3/28/96
H86293	E10477K	HC-E4A-3D	HJ586	PILATUS	41545	2/27/96
H86295	E10477K	HC-E4A-3D	HJ585	PILATUS	41545	2/27/96
H86296	E10477K	HC-E4A-3D	HJ584	PILATUS	41545	2/27/96
H86297	E10477K	HC-E4A-3D	HJ586	PILATUS	41545	2/27/96
H86298	E10477K	HC-E4A-3D	HJ584	PILATUS	41545	2/27/96
H86299	E10477K	HC-E4A-3D	HJ584	PILATUS	41545	2/27/96
H86300	E10477K	HC-E4A-3D	HJ584	PILATUS	41545	2/27/96
H86301	E10477K	HC-E4A-3D	HJ585	PILATUS	41545	2/27/96
H86302	E10477K	HC-E4A-3D	HJ585	PILATUS	41545	2/27/96
H87363	E10477K	HC-E4A-3D	HJ604	PILATUS	41545	3/28/96
H87365	E10477K	HC-E4A-3D	HJ604	PILATUS	41545	3/28/96
H87366	E10477K	HC-E4A-3D	HJ603	PILATUS	41545	3/28/96
H87367	E10477K	HC-E4A-3D	HJ605	PILATUS	41545	3/28/96
H87368	E10477K	HC-E4A-3D	HJ604	PILATUS	41545	3/28/96
H87369	E10477K	HC-E4A-3D	HJ603	PILATUS	41545	3/28/96
H87370	E10477K	HC-E4A-3D	HJ603	PILATUS	41545	3/28/96
H87371	E10477K	HC-E4A-3D	HJ605	PILATUS	41545	3/28/96
H87372	E10477K	HC-E4A-3D	HJ605	PILATUS	41545	3/28/96
H87373	E10477K	HC-E4A-3D	HJ603	PILATUS	41545	3/28/96
H87374	E10477K	HC-E4A-3D	HJ604	PILATUS	41545	3/28/96
H88138	E10477K	HC-E4A-3D	HJ616	PILATUS	41545	4/29/96
H88139	E10477K	HC-E4A-3D	HJ613	PILATUS	41545	4/29/96
H88140	E10477K	HC-E4A-3D	HJ616	PILATUS	41545	4/29/96
H88141	E10477K	HC-E4A-3D	HJ616	PILATUS	41545	4/29/96
H88142	E10477K	HC-E4A-3D	HJ617	PILATUS	41545	4/29/96
H88143	E10477K	HC-E4A-3D	HJ616	PILATUS	41545	4/29/96
H88144	E10477K	HC-E4A-3D	HJ617	PILATUS	41545	4/29/96
H88145	E10477K	HC-E4A-3D	HJ613	PILATUS	41545	4/29/96
H88147	E10477K	HC-E4A-3D	HJ617	PILATUS	41545	4/29/96
H88148	E10477K	HC-E4A-3D	HJ617	PILATUS	41545	4/29/96

July 8/96

HC-ASB-61-220

Page 24 of 24

HARTZELL PROPELLER INC.  
**SERVICE BULLETIN APPENDIX**  
Propellers

Propeller - Blade Inspection

**WARRANTY PROGRAM FOR  
ALERT SERVICE BULLETIN HC-ASB-61-220**

General policy:

1. Hartzell will reimburse owners/operators in accordance with the table provided on page 2.
2. No charge replacement deicer boots will be provided direct from Hartzell, at the request of the aircraft owner/operator. Hartzell will not reimburse owners/operators for deicers purchased from other sources.

**NOTE:** Due to the fact that many blades covered by this Bulletin fall just outside our standard warranty coverage, Hartzell is providing extended warranty support to alleviate the cost of unscheduled maintenance associated with Bulletin compliance.

**NOTE:** For any owner/operator whose regularly scheduled propeller overhaul is due within 6 months of the compliance time requirement of this Bulletin, no reimbursement will be offered because compliance with the Bulletin does not add to the cost of a normal overhaul.

3. This warranty program expires December 31, 1997.

**Procedures for owners/operators:**

If you have propellers containing blades affected by this Bulletin, provide the following information to the Hartzell Warranty Administrator by fax or mail:

**STEP 1 - Before Accomplishment of HC-ASB-61-220** (use the form provided on page 3)

1. Blade serial numbers affected with corresponding propeller serial number(s).
2. Copy of the propeller logbook(s), including original installation date of the blades and current total time in service.
3. Requirement for deicers: quantity, part number (molded into boot), and a shipping address (may be supplied to either the owner/operator or to the propeller shop that is going to perform the work).

**STEP 2 - After Accomplishment of HC-ASB-61-220**

1. Submit a request for reimbursement to the Hartzell Warranty Administrator. Include name and address for remittance and a copy of the invoice demonstrating accomplishment with HC-ASB-61-220. After approval by the Hartzell Warranty Administrator, a check will be mailed to the owner/operator within 30 days in accordance with the payment schedule shown on page 2.

HARTZELL PROPELLER INC.  
**SERVICE BULLETIN APPENDIX**  
Propellers

Propeller - Blade Inspection

**WARRANTY PROGRAM FOR  
ALERT SERVICE BULLETIN HC-ASB-61-220**

Payment Schedule

(Amount shown is US dollars)

Type of Propeller	Number of Blades affected				
	1	2	3	4	5
3 blade	\$ 575	\$ 750	\$ 925	-	
4 blade	\$ 575	\$ 750	\$ 925	\$ 1000	-
5 blade	\$ 575	\$ 750	\$ 925	\$ 1000	\$ 1125



HARTZELL PROPELLER INC.  
**SERVICE BULLETIN APPENDIX**

Propellers

Propeller - Blade Inspection

**WARRANTY PROGRAM FOR  
ALERT SERVICE BULLETIN HC-ASB-61-220**

Warranty Request Form for Compliance with Alert Service Bulletin HC-ASB-61-220

Operator's name and address

Operator's phone/fax #

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_

Propeller Installation date: \_\_\_\_\_

Propeller Total Time: \_\_\_\_\_

Propeller Serial Number \_\_\_\_\_

Propeller Serial Number \_\_\_\_\_

Affected Blade serial number(s)

Affected Blade serial number(s)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(If operators have several affected aircraft, please submit additional copies of this form.)

Deicer part number: \_\_\_\_\_

Please ship replacement deicer boots for the above blades to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

date : \_\_\_\_\_

signed: \_\_\_\_\_

**Please submit form to:**

Hartzell Propeller Inc.

One Propeller Place

Piqua, OH 45356-2634 U.S.A.

Attention: Warranty Administrator

FAX: (513) 778-4391

