ALERT SERVICE BULLETIN

TRANSMITTAL SHEET <u>HC-ASB-61-351</u> Propeller - Piston Unit Replacement

March 7, 2014

This page transmits revision 1 to Alert Service Bulletin HC-ASB-61-351.

- Original Issue, dated Dec 17/13
- Revision 1, dated Mar 07/14

Propeller assemblies that have complied with the terminating action in the previous version this Alert Service Bulletin are not affected.

Propeller assemblies that have complied with the inspection requirements in the previous version this Alert Service Bulletin are affected.

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

Revision 1 is issued to change the following in the Alert Service Bulletin:

- Changed the regulatory action statement to "not expected" from "undetermined".
- Added material information for HC-B3TN-5NL propeller models.
- Revised information in Table 1, "Affected Propeller Models and Serial Numbers"
- Changed the title of Table 2 to, "Aircraft Applications That Use A-717 Guide Rods"
- Additional aircraft applications/propeller models that use A-717 guide rods have been added to Table 2. Any propeller that uses A-717 guide rods is potentially affected by this Alert Service Bulletin.

This Alert Service Bulletin is reissued in its entirety.

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Propeller - Piston Unit Replacement

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propeller models HC-B3()N-5()() and HC-B4()N-5()() with the serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
 - (a) The affected propellers may be installed on, but not limited to, the aircraft listed in Table 2.
- (2) Any propeller that was repaired or overhauled using a C-3021-4() or C-2303-6L piston unit with a serial number listed in Table 3 is affected by this Alert Service Bulletin.
 - (a) Any C-3021-4() or C-2303-6L piston unit with a serial number listed in Table 3 that is in inventory/stock is affected by this Alert Service Bulletin.
- (3) Any propeller that had A-717 guide rods replaced between March 1, 2012 and October 22, 2013 is affected by this Alert Service Bulletin.
 - (a) The affected A-717 guide rods may be installed on, but not limited to, the aircraft listed in Table 2.
 - (b) Any A-717 guide rod received from Hartzell Propeller Inc. between March 1, 2012 and October 22, 2013 that is in inventory/stock is 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DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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 components/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 for a cross-reference of service documents.

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C. Reason

- (1) Hartzell Propeller Inc. has received reports of corrosion on A-717 guide rods.
- (2) The A-717 guide rods manufactured by Hartzell Propeller Inc. between March 1, 2012 and October 22, 2013 may have been improperly processed. This could result in an insufficient layer of chrome, making the guide rod susceptible to corrosion.
- (3) Excessive corrosion may cause the guide rod(s) to bind in the guide collar.

 This condition may result in erratic operation during flight with a potential for an inability to reach a full feather blade angle.
- (4) Regulatory action is not expected.

D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for initial and recurring visual inspections of the A-717 guide rods on the affected propellers.
- (3) This Alert Service Bulletin provides instructions for replacement of the piston unit on the affected propellers.
- (4) Replacement of the affected piston unit is terminating action for this Alert Service Bulletin.
 - (a) This Alert Service Bulletin provides instructions for retiring the affected piston units from service.
- (5) Hartzell Propeller Inc. will warrant the cost of parts and labor to inspect and replace the piston unit on the affected propellers.
 - (a) The Appendix of this Alert Service Bulletin provides instructions for payment of labor charges for the visual inspection and for replacement of the piston unit on the affected propellers.

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Propeller - Piston Unit Replacement

E. Compliance

- (1) Propeller repair stations that have serviced any of the affected propeller models or installed any of the affected piston units and/or guide rods should contact the aircraft owner immediately about this Alert Service Bulletin.
- (2) The operator should contact Hartzell Propeller Inc. immediately if any of the following issues occur during flight:
 - (a) RPM fluctuations
 - (b) Erratic operation
 - (c) Synchronization problems (twin engine aircraft only)
- (3) Initial Visual Inspection
 - (a) Within 7 days or 10 flight hours from the date of this Alert Service Bulletin whichever occurs first, perform a visual inspection in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
- (4) Recurring Visual Inspections
 - (a) Every 30 days, perform a visual inspection in accordance with the Accomplishment Instructions in this Alert Service Bulletin until, but not beyond December 31, 2014.
- (5) Terminating Action
 - (a) Replacement of the affected piston unit is terminating action for this Alert Service Bulletin.
 - (b) The affected piston unit must be replaced and retired from service before December 31, 2014 in accordance with the Accomplishment Instructions in this Alert Service Bulletin.

F. Approval

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

G. Manpower

Procedure	Man-hours	
Visual Inspection	1.0 hour (\$75.00 USD)	
Remove and Install Propeller	3.5 hours	
Disassembly and Reassembly	3.0 hours	

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- H. Weight and Balance
 - (1) Not changed
- I. Electrical Load Data
 - (1) Not changed

CAUTION:

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

- J. References
 - (1) Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39)
 - (2) Hartzell Propeller Inc. Propeller Owner's Manual 146 (61-00-46)
 - (3) Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18)

NOTE: Owner's manuals are available on the Hartzell Propeller Inc. website at www.hartzellprop.com.

- K. Other Publications Affected
 - (1) None

2. Material Information

A. Required Components/Supplied by Hartzell Propeller Inc.

Propeller Model: HC-B3MN-5L(X)		
Part Number	Description	<u>Qty</u>
C-3021-4L	Piston Unit	1
A-880-2	A-880-2 Self-Locking Hex Nut, Thin 1	
C-3317-121	O-ring 1	
C-3317-347-2	O-ring 1	
B-1843	Piston Dust Seal 1	
C-3317-230 O-ring 1		1
B-3339 12 Point Mounting Bolt, 9/16-18 8		8
A-2048-2	Mounting Washer, 9/16" CSK	8

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Propeller - Piston Unit Replacement

Propeller Model: HC-B3TN-5(E, K)		
Part Number	Description	<u>Qty</u>
C-3021-4	Piston Unit	1
A-880-2	Self-Locking Hex Nut, Thin	1
C-3317-121	C-3317-121 O-ring 1	
C-3317-347-2	O-ring	1
B-1843	Piston Dust Seal	1
A-3023	Plastic Bushing	3
C-3317-230	O-ring	1
B-3339	B-3339 12 Point Mounting Bolt, 9/16-18 8	
A-2048-2	Mounting Washer, 9/16" CSK	8

Propeller Model: HC-B3TN-5FL		
Part Number	Description	<u>Qty</u>
C-3021-4L	Piston Unit	1
A-880-2	Self-Locking Hex Nut, Thin	1
C-3317-121	O-ring 1	
C-3317-347-2	O-ring	1
B-1843	Piston Dust Seal	1
A-3023	Plastic Bushing 3	
C-3317-230	C-3317-230 O-ring 1	
B-3339	12 Point Mounting Bolt, 9/16-18 8	
A-2048-2	Mounting Washer, 9/16" CSK	8

Propeller Model: HC-B3TN-5M		
Part Number	Part Number Description Qty	
C-3021-4	C-3021-4 Piston Unit 1	
A-880-2	Self-Locking Hex Nut, Thin	1
C-3317-121	O-ring	1
C-3317-347-2	O-ring	1
B-1843	Piston Dust Seal	1
C-3317-230	O-ring	1
B-3339 12 Point Mounting Bolt, 9/16-18 8		8
A-2048-2	Mounting Washer, 9/16" CSK	8

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A. Required Components/Supplied by Hartzell Propeller Inc. - Continued

Propeller Model: HC-B3TN-5NL		
Part Number	Part Number Description Qty	
C-3021-4L	11-4L Piston Unit 1	
A-880-2	A-880-2 Self-Locking Hex Nut, Thin 1	
C-3317-121	317-121 O-ring 1	
C-3317-347-2	O-ring	1
B-1843 Piston Dust Seal 1		1
C-3317-230 O-ring 1		1
B-3339	B-3339 12 Point Mounting Bolt, 9/16-18 8	
A-2048-2	Mounting Washer, 9/16" CSK	8

Propeller Model: HC-B4MN-5AL		
Part Number	Description	<u>Qty</u>
C-2303-6L	Piston Unit	1
A-880-2	Self-Locking Hex Nut, Thin	1
C-3317-121	O-ring	1
C-3317-426-2	O-ring	1
B-1843	Piston Dust Seal	1
A-3023	Plastic Bushing	4
C-3317-230	O-ring	1
B-3339	12 Point Mounting Bolt, 9/16-18	8
A-2048-2	Mounting Washer, 9/16" CSK	8

Propeller Model: HC-B4TN-5(JL, ML, NL, PL, QL)		
Part Number	Description	<u>Qty</u>
C-2303-6L	Piston Unit	1
A-880-2	Self-Locking Hex Nut, Thin	1
C-3317-121	O-ring 1	
C-3317-426-2	O-ring	1
B-1843	Piston Dust Seal	1
A-3023	Plastic Bushing	4
C-3317-230 O-ring 1		1
B-3339	12 Point Mounting Bolt, 9/16-18	8
A-2048-2	Mounting Washer, 9/16" CSK	8

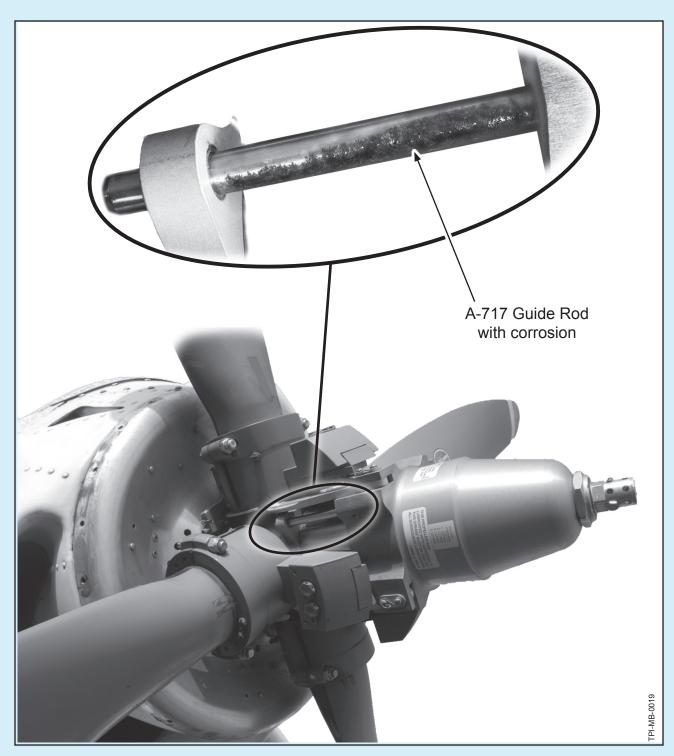
B. Consumables

(1) Refer to Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).

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Propeller - Piston Unit Replacement

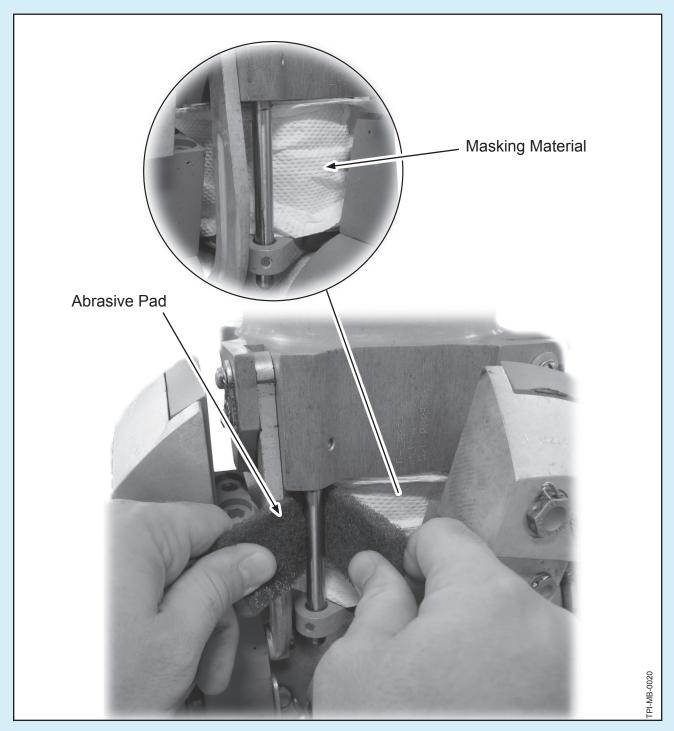


Visual Inspection of A-717 Guide Rods Figure 1

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Removing the Corrosion From A-717 Guide Rods Figure 2

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Propeller - Piston Unit Replacement

3. Accomplishment Instructions

- A. Visual Inspection Refer to Figure 1
 - (1) This procedure may be completed on-wing without removal of the propeller, or before installation of the propeller.
 - (2) Remove the spinner dome in accordance with the applicable Hartzell Propeller Inc. owner's manual.
 - (3) Remove any lubricant/grease from the A-717 guide rods.
 - (4) Visually examine the A-717 guide rods for any evidence of corrosion.
 - (a) If no corrosion is found, proceed to 3.A.(5).
 - (b) If corrosion is found, remove any high spots and/or loose particles of corrosion from the guide rods. Refer to Figure 2.

CAUTION: REMOVE ANY SANDING DEBRIS TO PREVENT DAMAGE TO THE PISTON UNIT AND/OR GUIDE COLLAR BUSHINGS.

- <u>1</u> Put a clean cloth or other masking material behind the guide rod to prevent sanding debris from getting into the piston and/or guide collar bushings.
- Use an abrasive pad such as Scotch-Brite to remove any high spots and/or loose particles of corrosion from the guide rods.
- (5) Apply a thin layer of corrosion inhibiting lubricant (dry film lubricant, lithium-based grease, etc.) to the entire surface of each A-717 guide rod.
- (6) Install the spinner dome in accordance with the applicable Hartzell Propeller Inc. owner's manual.
- (7) After each visual inspection:
 - (a) Make an entry in the propeller logbook indicating compliance with the Visual Inspection requirements of this Alert Service Bulletin.
 - (b) Complete the Inspection Report Form in the Appendix of this Alert Service Bulletin. Send the completed form to the Product Support Department at Hartzell Propeller Inc., even if no corrosion is found.
 - To allow Hartzell Propeller Inc. to forecast parts orders, provide the name of the repair facility that will replace the piston unit, and the approximate date for compliance with the terminating action on the Inspection Report Form.

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Propeller - Piston Unit Replacement

B. Shipping the Propeller for Piston Unit Replacement

- (1) The replacement of the piston unit (terminating action) must be performed by a certified propeller repair station with the appropriate rating.
- (2) Contact the Product Support Department at Hartzell Propeller Inc. for requirements and details regarding propeller shipment.
 - (a) Warranty reimbursement for propeller shipping costs requires preapproval from Hartzell Propeller Inc.
- (3) Remove the propeller from the aircraft in accordance with the applicable Hartzell Propeller Inc. owner's manual.
- (4) Ship the propeller to a certified propeller repair station with the appropriate rating.

C. Ordering Replacement Parts

- (1) Replacement parts must ship directly to a certified propeller repair station with the appropriate rating.
- (2) Complete the Parts Order/Compliance Form in the Appendix of this Alert Service Bulletin. Send the completed form to the Product Support Department at Hartzell Propeller Inc.
- (3) Keep the Parts Order/Compliance Form for reporting compliance and warranty reimbursement of labor expenses.

D. Replacing the Piston Unit - Terminating Action

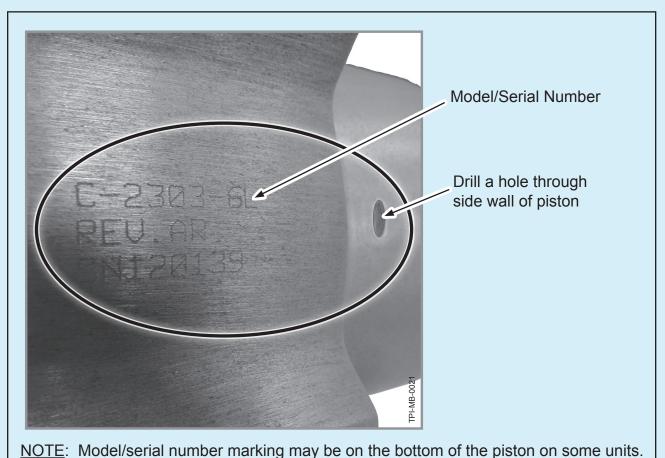
- (1) Disassembly, inspection, and assembly of the propeller must be performed by a certified propeller repair station with the appropriate rating.
- (2) Remove the affected piston unit in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).

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- (3) Retire the affected piston unit from service by drilling a hole through the side wall of the piston directly above the serial number.
 - (a) Take a photo of the retired piston unit clearly showing the model/serial number and the hole drilled through the side wall. Refer to Figure 3.
 - (b) Send the photo to the Product Support Department at Hartzell Propeller Inc. for warranty validation. Refer to section 2.B.(2)(a) in the Appendix of this Alert Service Bulletin.
- (4) Install the new piston unit, and assemble the propeller in accordance with Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18).
- (5) Make an entry in the propeller logbook indicating compliance with the Terminating Action of this Alert Service Bulletin.



Sample Photo of Retired Piston Unit Figure 3

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E. 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.

F. 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

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	Propeller Models	Propeller S/N	Piston Unit S/N
	HC-B3MN-5L(X)	BUA32238	120401
		BUA32241	120405
		BUA32380	121126
		BUA32546	120717
		BUA32623	130604
		D3917A	120715
	HC-B3TN-5(E, FL, K, M, NL)	BUA32208	120057
		BUA32214	120287
		BUA32223	120404
		BUA32224	120400
		BUA32231	120507
		BUA32242	120503
		BUA32248	120285
		BUA32252	120402
		BUA32263	120505
		BUA32266	120714
		BUA32267	120506
		BUA32270	120712
		BUA32272	120713
'		BUA32274	120719
		BUA32277	120504
		BUA32285	120718
		BUA32289	120716
		BUA32340	121127
		BUA32346	121123
		BUA32464	121613
		BUA32474	121687
		BUA32476	121684
		BUA32479	121688
		BUA32566	130157
		BUA32640	130603
		BUA32646	130605
		BUA32655	130861
		BUA32657	130864

Affected Propeller Models and Serial Numbers
Table 1

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Propeller Models	Propeller S/N	Piston Unit S/N
HC-B3TN-5(E, FL, K, M, NL) - continued	BUA32692	130866
	BUA32695	130865
	BUA32721	130862
	BUA32736	131288
	BVA6330	KK4855
	BVA6331	unkown
	BVA7417	9990083
	BVA8235	120687
	BVA8238	130158
HC-B4MN-5AL	CDA4086	M1392
	EAA1842	M6341
HC-B4TN-5(JL, ML, NL, PL, QL)	CDA3528	M2356
	CDA4467	M2994
	CDA5394	120278
	CDA5396	121514
	CDA5402	120281
	CDA5411	120282
	CDA5415	120671
	CDA5416	111713
	CDA5417	120668
	CDA5420	120277
	CDA5422	120672
	CDA5423	111709
	CDA5424	120279
	CDA5425	120667
	CDA5427	120670
	CDA5428	121028
	CDA5430	120669
	CDA5431	120283
	CDA5433	120280
	CDA5435	111456
	CDA5436	121027
	CDA5437	120666
	CDA5438	121155

Affected Propeller Models and Serial Numbers
Table 1 - continued

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Propeller - Piston Unit Replacement

Propeller Models	Propeller S/N	Piston Unit S/N
HC-B4TN-5(JL, ML, NL, PL, QL) - continued	CDA5439	121650
	CDA5440	121516
	CDA5441	131272
	CDA5446	121152
	CDA5447	121511
	CDA5448	121158
	CDA5449	121154
	CDA5450	121157
	CDA5451	121153
	CDA5452	121029
	CDA5453	121156
	CDA5454	121513
	CDA5455	121518
	CDA5456	121918
	CDA5457	121649
	CDA5458	121917
	CDA5459	121515
	CDA5460	131269
	CDA5461	121923
	CDA5462	121033
	CDA5463	121512
	CDA5464	121647
	CDA5465	121030
	CDA5466	121517
	CDA5468	121646
	CDA5469	121645
	CDA5470	121652
	CDA5471	121653
	CDA5473	121921
	CDA5474	121922
	CDA5475	121919
	CDA5477	131274
	CDA5479	130743
	CDA5480	130736

Affected Propeller Models and Serial Numbers
Table 1 - continued

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Propeller Models	Propeller S/N	Piston Unit S/N
HC-B4TN-5(JL, ML, NL, PL, QL) - continued	CDA5481	121920
	CDA5482	130742
	CDA5483	130744
	CDA5486	121520
	CDA5487	121032
	CDA5489	130740
	CDA5490	130738
	CDA5495	131270
	CDA5492	131271
	CDA5498	131273

Affected Propeller Models and Serial Numbers Table 1 - continued

Aircraft Manufacturer	Tradename	Aircraft model	Propeller Model(s)
Aero Commander	-	680(T, V, W), 681	HC-B3TN-5K
	Turbo Commander	690, 690A, 690B, 690C, 695, 695A, 695B, 690D	HC-B3TN-5FL, -5NL
Air Tractor	-	AT-301, AT-302, AT401	HC-B3TN-5FL, -5M
American Agviation (Grumman)	Ag Cat	G-164	HC-B3TN-5FL, -5M
Ayres	Turbo Thrush	S-2R(-1340) S-2R(-G1, -G5, -G6, -G10), -R3S, -R1820, -T(6, 11, 15, 34, 45, 65)	HC-B3TN-5E, -5FL, -5M, -5V HC-B4TN-5NL, -5PL
BAE	Jetstream	137	HC-B3TN-5E, -5K, -5M
Beech	Twin Beech	Turbo 18	HC-B3TN-5E
Casa	Aviocar	212	HC-B3TN-5E HC-B4MN-5AL
	-	C-212(-CB, -CC, CF)	HC-B4MN-5AL

Aircraft Applications That Use A-717 Guide Rods Table 2

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Aircraft Manufacturer	Tradename	Aircraft model	Propeller Model(s)
Cessna	Caravan	208, 208A	HC-B4TN-5QL
	Conquest II	441	HC-B3TN-5E HC-B4TN-5QL
	Supervan 900	208B	HC-B4TN-5QL
De Havilland Canada	Otter	DHC-3	HC-B4TN-5NL, -5QL
	Beaver	DHC-2	HC-B3TN-5V
Dornier	Commuter	DO228-100, -101, -200, -201, -202, -212	HC-B4TN-5ML
Fairchild Aircraft	Merlin IV	SA226(-AT, -T, -TC) SA26-AT	HC-B3TN-5C, -5E, -5M HC-B4TN-5ML
Fairchild-Hiller (Pilatus)	Peacemaker	AU-23	HC-B3TN-5M HC-B4TN-5ML
Grumman (McKinnon)	Goose	G21G	HC-B3TN-5E HC-B4TN-5ML
Mitsubishi	Solitare	MU-2B-26A, -36A, -40 (MU-2P), -60 (MU-2N)	HC-B4TN-5JL
	MU-2	MU-2B, MU-2B-10 (MU-2B), MU-2B-15, -20, -30, (MU-2D, F, G), MU-2B-25, -26(A), -35, -36, -40 (MU-2P)	HC-B3TN-5M HC-B4TN-5JL
PZL Mielec	Dromader	M18	HC-B3MN-5L HC-B3TN-5U HC-B4TN-5NL, -5QL
Rockwell	Bronco	OV-10	HC-B4MN-5B(L)
Schweizer (Grumman)	Ag Cat	G-164	HC-B3TN-5E, -5M HC-B4TN-5NL
Short Brothers	Skyvan	SC7 Series 3	HC-B3TN-5C, -5E, -5M HC-B4TN-5NL
Thrush	Turbo Thrush	S2R	HC-B3TN-5M HC-B4TN-5NL

Aircraft Applications That Use A-717 Guide Rods Table 2 - continued

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Piston Unit Part Number (sold as a replacement part)	Piston Unit S/N	
C-3021-4	120688	
	120689	
C-3021-4L	120403	
	120713	
	121685	
	130405	
	130406	
	130407	
	130603	
	130604	
	130605	
	130863	
	121124	
	121125	
	121127	
C-2303-6L	121031	
	121651	
	121920	
	131274	
	M2781	

Affected Piston Units and Serial Numbers (Sold as Replacement Parts)

Table 3

ALERT SERVICE BULLETIN APPENDIX

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Propeller - Piston Unit Replacement

1. Eligibility

- A. Hartzell Propeller Inc. steel hub turbine propeller models HC-B3()N-5()() and HC-B4()N-5()() with the serial numbers listed in Table 1 of this Alert Service Bulletin are eligible for this warranty program.
- B. Any propeller that was repaired or overhauled using a C-3021-4() or C-2303-6L piston unit with a serial number listed in Table 3 of this Alert Service Bulletin is eligible for this warranty program.
 - (1) Any C-3021-4() or C-2303-6L piston unit with a serial number listed in Table 3 that is in inventory/stock is eligible for this warranty program.
- C. Any propeller that had A-717 guide rods replaced between March 1, 2012 and October 22, 2013 is eligible for this warranty program.
 - (1) Any A-717 guide rod received from Hartzell Propeller Inc. between March 1, 2012 and October 22, 2013 that is in inventory/stock is eligible for this warranty program.

2. Warranty Program

A. Visual Inspections

- (1) Hartzell Propeller Inc. will warrant a labor charge of \$75.00 USD for each visual inspection performed on an affected propeller when done in accordance with the Accomplishment Instructions section of this Alert Service Bulletin. Applicants must provide the following information upon completion of the inspection:
 - (a) Complete the Inspection Report Form in this Alert Service Bulletin Appendix.

<u>NOTE</u>: This will be considered your labor invoice upon approval.

- (b) Send the completed form to Hartzell Propeller Inc. for processing.
- (2) Hartzell Propeller Inc. will review the completed form and assign a warranty claim number to approved applicants, authorizing payment of the allowable labor charge.

NOTE: This warranty claim number is assigned to the propeller serial number and must be referenced on each warranty-related form submitted for that propeller.

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Propeller - Piston Unit Replacement

- B. Terminating Action (Piston Unit Replacement)
 - Hartzell Propeller Inc. will warrant the labor and propeller shipping costs associated with the terminating action when performed in accordance with the Accomplishment Instructions section of this Alert Service Bulletin.
 - (a) Warranty reimbursement for propeller shipping costs requires preapproval from Hartzell Propeller Inc. in accordance with the Accomplishment Instructions section in this Alert Service Bulletin.
 - (b) Refer to the Manpower section of this Alert Service Bulletin for warranted procedures and allowable man-hours.
 - (c) Complete and sign the Parts Order/Compliance Form in this Alert Service Bulletin Appendix.
 - Purchase order number must be provided on the Parts Order/ Compliance Form. Refer to section 2.B.(a)1 in this Appendix.
 - Send the completed and signed Parts Order/Compliance Form, and the invoice for labor and shipping charges to Hartzell Propeller Inc.
 - Reference the same warranty claim number issued for the visual NOTE: inspection(s) on the invoice and form.
 - Hartzell Propeller Inc. will authorize payment for the allowable labor and propeller shipping charges and will provide approved replacement parts free of charge.
 - Refer to the Material Information section of this Alert Service Bulletin for a list of approved replacement parts.
 - (2) The affected piston unit must be retired and photographed in accordance with the Accomplishment Instructions section of this Alert Service Bulletin.
 - If the photo of the retired piston unit is not received within 6 months from receipt of the replacement items, Hartzell Propeller Inc. will charge the full list price of the piston unit to the purchase order number provided by the repair facility on the Parts Order/Compliance Form.

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Propeller - Piston Unit Replacement

C. Contact Information

(1) Fax, Email, or mail the Inspection Report Form, and/or Parts Order/Compliance Form to:

Hartzell Propeller Inc.

Attn.: Alert Service Bulletin 351 Coordinator

One Propeller Place Piqua, OH 45356 USA Phone: 937.778.4379

Fax: 937.778.4391 (Intl. 001.937.778.4391) Email: techsupport@hartzellprop.com

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Propeller - Piston Unit Replacement

Inspection Report Form

Wayneyativ Claim Niveshay				
Warranty Claim Number:				
Inspection Information:				
Inspection Date:				
Propeller Model:	Propeller S/N:			
Piston Unit P/N:	Piston Unit S/N:			
Aircraft Model:	Aircraft Registration #:			
Type of visual inspection on this report:	Initial Inspection	Recurring Inspection		
Indication Found?	Yes No	Yes No		
If this is a recurring inspection, has corrosion increased since last inspection?	-	Yes No		
Owner Information:				
Name:				
Address:				
City:	State:			
Zip/Postal Code:	Country:			
Email:	Phone: Fax:			
Repair Facility/Terminating Action Information: Please provide the name of the service facility that will order and replace the piston unit, and the projected date for compliance with the terminating action of this Alert Service Bulletin.				
Company:				
Contact Name:				
Projected date for compliance with the terminating action of this Alert Service Bulletin:				
☐ Jan-Feb ☐ Mar-Apr ☐ May-Jun ☐ Jul-Aug ☐ Sep-Oct ☐ Nov-Dec				
Send this completed form to Hartzell Propeller Inc. Product Support Department: Fax - (001) 937.778.4391 or E-mail - techsupport@hartzellprop.com				
DO NOT WRITE BELOW THIS LINE - FOR HARTZELL PROPELLER INC. USE ONLY				
Authorized By:				
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Propeller - Piston Unit Replacement

Parts Order/Compliance Form (Terminating Action)

Warranty Claim Number:				
Propeller Information:				
Propeller Model:	Propeller S/N:			
Piston Unit P/N:	Piston Unit S/N:			
Aircraft Model:	Aircraft Registration #:			
Owner Information:				
Name:				
City:	State:			
Email:	Phone:			
Repair Facility / Shipping Information: Replacement parts must ship directly to a certified propeller rep	pair station with the appropriate	e rating.		
Company:	Contact Name:			
Address:				
City:	State:			
Zip/Postal Code:	Country:			
Email:	Phone:	Fax:		
P.O.# (Refer to section 2.B.(2)(a) in this Appendix):				
Replacement Parts:				
Hartzell Propeller Inc. will provide the required parts based on the propeller/piston unit information on this form. Refer to the Material Information section of this Alert Service Bulletin for a list of parts that will be provided.				
Retired Piston Unit:				
Photo of retired piston sent to Hartzell Propeller Inc.? (Refer to section 2.B.(2)(a) in this Appendix)	Yes No			
Repair Technician's Signature:	Date:			
Send this completed and signed form to Hartzell Propeller Inc. Product Support Department: Fax - (001) 937.778.4391 or E-mail - techsupport@hartzellprop.com				
DO NOT WRITE BELOW THIS LINE - FOR HARTZELL PROPELLER INC. USE ONLY				
Authorized By:				
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