

## Airworthiness Directive and Service Document Effectivity List

Caution: This information is based on a review of the effectivity stated for each referenced document. While every effort has been made to eliminate any errors, a second source should be referenced to ensure all applicable documents are addressed. This listing is limited to the dash number in the propeller model and the basic blade design number, (i.e. no prefixes or suffixes). Example HC-C2YK-2/7666 not HC-C2YK-2CEUF/F7666A-2R. As such, there may be documents listed which apply to a very specific propeller model/aircraft installation that do not affect the propeller that is being queried. A thorough review of each document's effectivity is required to ensure appropriate compliance.

**Report for Propeller Model / Blade Model:** HC-12X20-3 / 8433

**Overhaul Manual:** 100D

**Owner's Manual:**

**Blade  
Overhaul  
Manual:**  
133C

Airworthiness Directives	Effective
AD 2005-14-11 These actions are against propeller models returned to service by Southern California Propeller Service. Southern California Propeller Service is not to be confused with propeller repair stations known as California Propeller or as Propeller Service of California. Southern California Propeller Service was issued Air Agency Certificate number of VXSR617L in 1992, which was revoked in June of 1998.	8/17/2005
AD 97-18-02, R1 Blade separation due to cracked blades, hubs or blade clamps.	7/31/2003
AD 85-14-10 R2 Propeller blade clamp failure.	9/25/1986
AD 64-28-01 Loss of propeller blade due to failure of a hub spider.	6/18/1965
AD 59-26-01 Possible hub failure.	1/1/1959
AD 59-01-03 There is the possibility of failure of the split rings used to retain the blades in the hub.	1/1/1959
AD 58-07-01 Possibility of fatigue failure of the split rings used to retain the blades in the hub.	1/1/1958
AD 56-17-03 There have been two reported instances of broken valve tube A-57. These failures were due to vibration of the valve assembly and the weakening effect of the valve porthole. Failure of this part will allow the propeller to go into reverse under certain conditions.	1/1/1956
AD 47-47-13 If the Hartzell propeller hub model on your airplane is HC-12X20-3, determine the counter weight length and position on the hub in order that the hub designation can be amended.	1/15/1948

<b>Service Bulletins</b>	<b>Effective</b>
SB HC-SB-61-217 Rev. 3 Eddy current inspection of all X and V shank propellers.	9/10/2009
SB HC-SB-61-301 Inspection for shot peen location	11/14/2007
SB HC-SB-61-285, Rev. 1 Propellers - Removal of Blade Clamp Counterweight Dowel Pin	8/7/2007
SB 032, Rev. 1 Replacement of C-49-2B and -2C Hub.	5/21/2003
SB 136I Additional Overhaul and Inspection Procedures for Single and Double-Shoulder Blade Bores.	4/25/2003
SB HC-SB-61-064, Rev. 1 Propeller - Compliance Schedule for Replacement of A-159 Split Ring	11/9/2001
SB HC-SB-61-058, Rev. 1 Propeller - Replacement of Split Rings	9/27/2001
SB HC-SB-61-232 General technical information concerning approval and applicability of new ( )HC-(A, D)(2, 3)MV( )-( ).	3/20/1998
SB 137A Replacement of A-282 Inner Clamp Screw.	3/31/1995
SB 38 Propeller Control Valve, Inspection For Cracked Spindle.	6/26/1956

<b>Service Instructions</b>	<b>Effective</b>
SI 159C, Rev. 1 Inspection Procedures on all C-3-( ) Double Shoulder Clamps	6/26/2008

<b>Service Letters</b>	<b>Effective</b>
SL HC-SL-61-61Y, Rev. 3 Overhaul Periods and Service Life Limits for Hartzell Propellers, Governors, and Propeller Damper Assemblies	11/13/2009

<b>Service letters</b>	<b>Effective</b>
SL HC-SL-30-260, Rev. 15 De-ice Boots, Anti-ice Feed Shoes, and Airframe Mounted Ice Protection System Components	9/10/2009
SL HC-SL-30-259, rev. 12 Propeller - Hartzell Propeller Mounted Ice Protection Components	9/10/2009
SL HC-SL-61-229, Rev. 2 Introduction of New Propeller Labels	12/4/2008

SL HC-SL-61-270	Part Number Stamping	8/7/2007
SL HC-SL-61-258, Rev. 1	Propellers - Blade Clamp Sealing Procedure	1/12/2007
SL HC-SL-30-261	Propeller Ice Protection System Manual 180	8/10/2006
SL HC-SL-61-253	Inspection of Steel Hub Propellers Installed on Agricultural Aircraft	5/11/2006
SL HC-SL-61-256	Spare Parts Release	3/16/2006
SL HC-SL-61-252	Propeller - A-80-( ) Bolt Recall	11/3/2005

**Service Letters****Effective**

SL HC-SL-61-212, Rev. 1	Introduction of Overhaul Kits	1/14/2005
SL HC-SL-61-211, Rev. 2	Introduction of New Blade Pilot Tubes	12/3/2004

**Service letters****Effective**

SL HC-SL-61-234	Boot Installation	9/15/2004
SL HC-SL-61-234	Boot Installation	9/15/2004

**Service Letters****Effective**

SL HC-SL-61-189, Rev. 2	Service Tools, Consumable Materials, and Standard Practices, Application Guide, Blade Overhaul, and Spinner Maintenance	9/15/2004
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**Service letters****Effective**

SL HC-SL-61-217	Replacement of Hardware at Propeller Overhaul	3/21/2003
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**Service Letters****Effective**

SL HC-SL-61-188	Blade/Clamp Sealing on Agricultural Aircraft	6/8/2000
SL HC-SL-61-172, rev.1	New Fee for Parts Evaluation	3/15/2000
SL HC-SL-61-185	Tachometers	4/12/1999

SL HC-SL-61-177	Ball Bearings - New Part Number/Usage	2/4/1997
SL HC-SL-61-167	Introduction of Linkarm Bushing	12/7/1995
SL HC-SL-61-165	Abnormal Vibration or Grease Leakage	12/7/1995
SL 159	Link arms on all steel hub propellers	12/31/1987
SL 154	Identification of Springs as Used in Various Hartzell Propellers	5/13/1985
SL HC-SL-61-182	"MV" Blade Modification Procedures	

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