
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CAR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Propellers - Variable Pitch - Hartzell

AD/PHZL/75

Propeller Hub Replacement

3/2003

Applicability: Hartzell 2 Bladed “Y” shank propellers fitted with aluminium hub part numbers D-6522-1, D-6522-2, D-6529-1, and D-6559-3 with a hub serial number that is listed in Table 1 of this Directive.

Requirement: Remove from service applicable Hartzell aluminium hubs in accordance with Hartzell ASB HC-ASB-61-259.

Note 1: FAA AD 2003-01-03 Amdt 39-13014 refers.

Note 2: Hubs listed in Table 1 of this Directive are not to be installed.

Compliance:

1. Within 50 hours propeller hub time since new or 12 months from the effective date of this Directive, whichever occurs first, for propeller hubs installed on:
 - a. Piper PA-32 series aircraft with Textron Lycoming 540 series engines that are rated at 300HP or higher; or
 - b. Pilatus Britten Norman or Britten Norman BN-2 series aircraft (also known as Islander or Trislander) with Textron Lycoming 540 series engines; or
 - c. Any aircraft certified in the acrobatic category; or
 - d. Any aircraft routinely exposed to acrobatic manoeuvres; or
 - e. Any aircraft that has been used for agricultural operations whilst the applicable propeller was installed.
2. For propeller hubs installed on aircraft apart from those listed in Paragraph 1, within 100 hours propeller hub time since new or twelve months from the effective date of this Directive, whichever occurs first.

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Table 1. Applicable Propellers and Hubs

Propeller S/N	Hub S/N	Hub P/N
AU11115B	A61365B	D-6522-1
AU11116B	A61366B	D-6522-1
AU11117B	A61367B	D-6522-1
AU11119B	A61369B	D-6522-1
AU11125B	A61375B	D-6522-1
AU11131B	A61381B	D-6522-1
AU11134B	A61384B	D-6522-1
AU11135B	A61385B	D-6522-1
AY515B	A61397B	D-6522-2
AY516B	A61398B	D-6522-2
CH36140B	A61409B	D-6529-1
CH36141B	A61410B	D-6529-1
CH36151B	A61420B	D-6529-1
CH36152B	A61421B	D-6529-1
CH36153B	A61422B	D-6529-1
CH36157B	A61427B	D-6529-1
EU376B	A61443B	D-6559-3
CH36172B	A61547B	D-6529-1
CH36159B	A61553B	D-6529-1
CH36160B	A61554B	D-6529-1
CH36162B	A61556B	D-6529-1
CH36163B	A61557B	D-6529-1

Propellers - Variable Pitch - Hartzell

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CH36165B	A61560B	D-6529-1
CH36188B	A61563B	D-6529-1
CH36193B	A61568B	D-6529-1
CH36194B	A61569B	D-6529-1
CH36195B	A61570B	D-6529-1
CH36196B	A61571B	D-6529-1
CH36178B	A61573B	D-6529-1
CH36179B	A61574B	D-6529-1
CH36181B	A61576B	D-6529-1
CH36182B	A61577B	D-6529-1
CH36183B	A61578B	D-6529-1
CH36198B	A61583B	D-6529-1
CH36199B	A61584B	D-6529-1
CH36200B	A61585B	D-6529-1
CH36201B	A61586B	D-6529-1
CH36202B	A61587B	D-6529-1
CH36203B	A61588B	D-6529-1
CH36204B	A61589B	D-6529-1
CH36205B	A61590B	D-6529-1
CH36209B	A61594B	D-6529-1
CH36211B	A61596B	D-6529-1
CH36212B	A61597B	D-6529-1
CH36213B	A61598B	D-6529-1
CH36215B	A61601B	D-6529-1

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CH36216B	A61602B	D-6529-1
AU11145B	A61603B	D-6522-1
AU11147B	A61605B	D-6522-1
AU11155B	A61613B	D-6522-1
AY520B	A61743B	D-6522-2
AU11175B	A61893B	D-6522-1

This Airworthiness Directive becomes effective on 20 March 2003.

Background: The manufacturer has advised of a quality problem with forgings received from their supplier. The quality problems could lead to cracks forming and ultimately the failure of the propeller.



James Coyne
Delegate of the Civil Aviation Safety Authority

4 February 2003