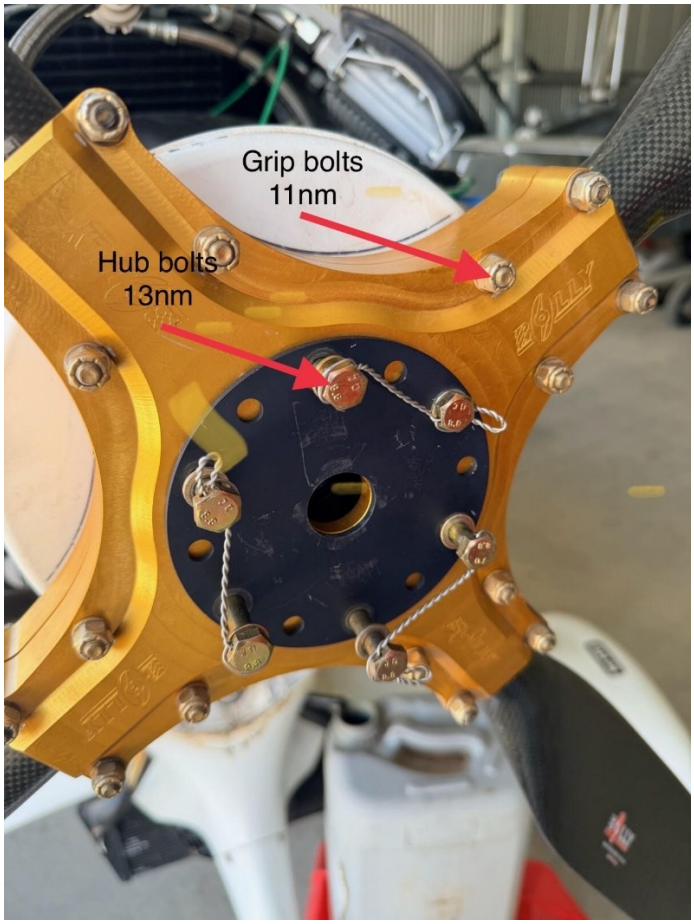
A U S T R A L I A N . S P O R T
R O T O R C R A F T . A S S O C I A T I O N

12 November 2026

ASRA Safety Alert SA 2026.01

Subject: 4 Blade Bolly Propeller hub bolt failure

During the service on an Autogyro Cavalon, a serious defect was discovered concerning the hub bolts used to secure the Bolly propeller hub to the Rotax 915 propeller mounting plate. Five of the six bolts had sheared off at the end of the threaded section of the bolt (see photos below). The bolts could not be visually inspected during a pre-flight because a propeller spinner was fitted to the propeller hub.



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The axial thrust load from the propeller is transmitted through the steel sleeves pictured in the photo of the engine propeller mounting plate and not through the mounting bolts.

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While this incident may be isolated to the Cavalon 915/ 4 Blade Bolly propeller combination, it is strongly recommended that all gyroplanes fitted with Bolly propellers be examined to

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confirm the integrity of the hub structure and all associated hardware while further investigation into the defect is undertaken.

Specifications and details for Bolly props can be found on the Bolly web site;
https://bollyaviation.com.au/

Regards,

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