



SAFETY ALERT

No. 2018.01

Date of issue: November 03, 2018.

SUBJECT: Titanium Autogyro (TAG) attachment of horizontal stabiliser

BACKGROUND:

This Safety Alert is relevant to all TAG operators and owners. A Titanium Explorer gyroplane was involved in a fatal accident near Orange NSW on the 31.10.2018. Nutserts are used to attach the TAG horizontal stabiliser (HS) to the keel.

During the accident investigation, ASRA officers observed that the 4 nutserts appear to have pulled away from the integrated HS/VS assembly comparatively easily. This may indicate an assembly or manufacturing defect, where there is no positive locking preventing the nutsert body from being pulled out of the horizontal stabiliser. ASRA Officers are of the opinion that based on these observations, the HS/VS assembly attachment presents a possible risk to flight safety.

ACTIONS:

All Titanium Autogyros using this HS/VS retention method are:

- (1) to be immediately inspected by Titanium Autogyro Australia to confirm the HS has mechanical positive retention to the airframe in accordance with ASRA compliant gyroplane construction standards; and
- (2) not flown until the above inspection has been completed to a satisfactory standard or corrective action taken as required for non-conforming examples.

Regards,

Jeff Blunt
ASRA Operations Manager.