



SAFETY ALERT

No: SA 2016.02

Date: 26 May 2016

Subject: MTO3 and MTO Sport Main Undercarriage

ASRA has been made aware of at least two failures of the main undercarriages fitted to these types of gyroplanes.

The failures manifested themselves through the appearance of cracks that appeared from beneath the non-slip footsteps on one side of the undercarriage. In both cases, the cracks initiated from under the footsteps and were not visible until they had progressed through approximately 50% of the surface of the undercarriage.



In both cases, the non-slip material was wrapped around the leg such that the cracks were not visible until they had progressed to a point where they were not hidden by the non-slip material.

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ALERT: ASRA strongly recommends that the owners, operators and pilots of MTO3 and MTO Sport gyroplanes pay particular attention to the undercarriage legs in the vicinity of the non-slip footsteps with a view to detecting cracks before they progress to the point of catastrophic failure.

Furthermore, consideration should be given to removing any non-slip material and reducing its area such that it does not wrap around the upper edges of the undercarriage legs thus allowing even earlier detection of cracks. In this case, guidance should be sought from the manufacturer or the manufacturer's Australian agent to determine how to safely remove the non-slip material without damaging the composite legs.

Mark Regan
ASRA Technical Manager

Allan Wardill
ASRA Operations Manager.