



RECREATIONAL AVIATION AUSTRALIA INC

RA-Aus: **SB-002-15-08-2012-All-Aircraft-Control Cables**

15 August 2012

## **Safety Bulletin - Aircraft Control Cables 2012**

This bulletin has been prepared from information supplied by the Civilian Aviation Safety Authority.  
Affected Aircraft:

**All aircraft fitted with flight control cable terminal fittings over 15 years old made from stainless steel specification SAE-AISI 303 Se, including, but not limited to, standard terminal stud part numbers AN669 and MS21260 and MS20668 eye end terminals.**

RA-Aus recommends inspection of control cables in accordance with Airworthiness Bulletin AWD 27-001  
Issue: 3 Date: 5 June 2012 on the Civilian Aviation Safety Authority (CASA) Web Site:

[http://www.casa.gov.au/wcmswr/\\_assets/main/airworth/awb/27/001.pdf](http://www.casa.gov.au/wcmswr/_assets/main/airworth/awb/27/001.pdf)

An inspection is to be performed before next flight on all aircraft fitted with these types of cables to determine their current condition.

Cables that have a life of more than 15 years

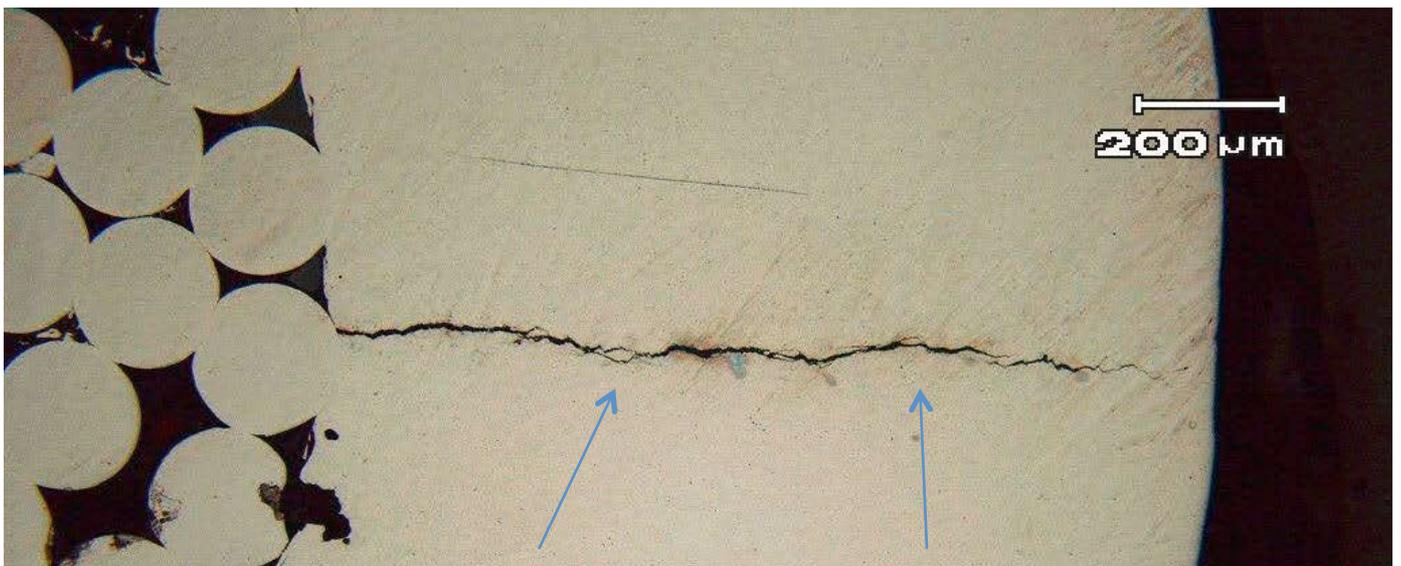
**MUST BE REPLACED BEFORE NEXT FLIGHT,**

For all other aircraft it is advised to inspect the cables every 100 hours or annually to determine the condition of fitted control cables.

At the completion of the inspection, on 19-xxxx registered amateur built aircraft annotate in the aircraft log that the Safety Bulletin has been carried out and sign for the work and on all 24-xxxx Factory built Certified and LSA aircraft the Safety Bulletin must be signed as completed by an L2 maintenance authority.

All cables that fail the Safety Bulletin must be advised to the Technical Manager using an RA-Aus Defect Report.

The corrosion is shown on the photograph below.



Cracking internal to the terminal sleeve is possible without visual indication.

Terminal fitting separation as described in this Safety Bulletin is due to chloride stress-corrosion cracking (CSCC) a form of intergranular cracking.



*Adam Finn*

**Adam Finn**

**Technical Manager**

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The end.