



RECREATIONAL AVIATION AUSTRALIA INC.

Date: 12<sup>th</sup> August 2014

## RECREATIONAL AIRCRAFT AIRWORTHINESS NOTICE

### AIRWORTHINESS NOTICE IDENTIFICATION NUMBER: 12082014

#### **FLYING CONTROL SYSTEM – SWAGED CABLE INSPECTION. ADVISORY INSPECTION.**

**To: All owners and operators.**

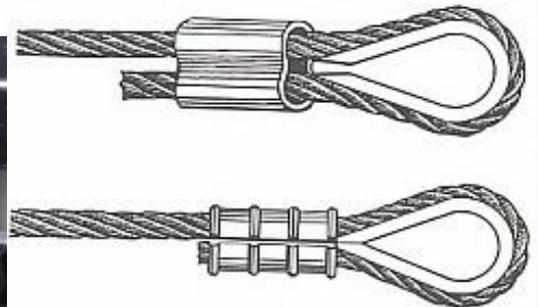
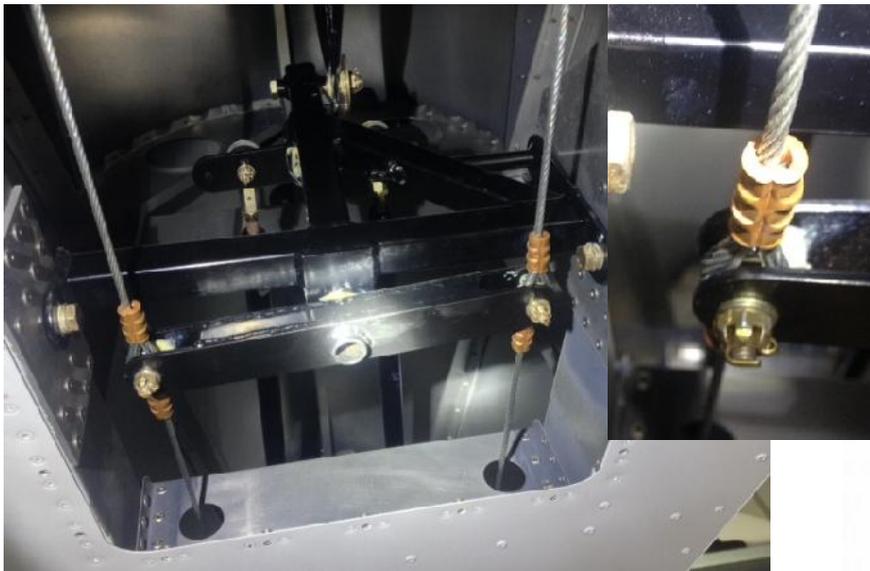
**Background:** The RA-Aus Technical Manual Section 4.0 – para10 states: CRITICAL MAINTENANCE. Analysis of RA-Aus defect and incident reports indicate that engine controls, engine accessories, propellers and flight controls deserve special maintenance attention. These components and systems should all be secured by positive safety devices and should be checked by an independent person after any maintenance.

A recently received incident report has identified an area of concern relating to the integrity of primary flight controls swaged cable on a Sonex Waix. This was identified during an aircraft condition report (ACR). As a result Recreational Aviation Australia Inc. has created this airworthiness notice.

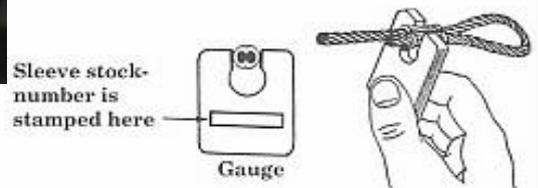
#### Action Required:

**Advisory Inspection before next flight:**

#### Reports and Recording.



Typical thimble-eye splice.



Typical terminal gauge.

1 As can be seen in the above picture the control cable has been swaged but the cable isn't protruding from the end of the swage. The black and white diagram clearly illustrates how the cable should be presented. These cables were supplied from an aircraft manufacturer with a kit. They have since replaced the cables with serviceable units.

2 On completion of the inspection if any issues are identified, a Recreational Aviation Australia incident report is to be completed and sent to the Technical Manager. On completion of the inspection, if nil defects are evident, a statement to that effect is to be recorded in the aircraft airframe log book citing 12082014.

Darren Barnfield  
Technical Manager

**Defect Reporting is one of the primary ways we have in ensuring continued safety in our operations.**