

Zlin Aviation S.R.O.

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Czech Republic

Safety Alert	No 09	20.08.2019
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MANDATORY

- **Airplanes affected:**
All Savage Planes and models
- **Subject:**
Visual check for possible sleeves corrosion on all stainless steel wires used for ailerons, rudder, stabilizers (*) flaps controls (*).
(*) not for Shock Cub and Shock Ultra
- **Reason:**
A 9 years old Savage Cub with 780 flying logged hours, always hangared and operated in proximity of the sea and so in a particular corrosive environment was checked by the owner after he noted an anomalous swelling all around the sleeves area. The black heat shrinkable tube placed during the wire assembling over the sleeves, didn't allow to notice immediately the reason of the swelling so the owner decided to cut and remove the black seal, finally founding the reason of the swelling. The attached pictures show the occurred problem and how to work on it. A deep corrosion was finally reported.

Steps to be done:

First of all , you need to decide if it is better to remove all the wires , for some it might be impossible to do so. It can also be done inside the fuselage with no bigger issues .

Step 1:

Remove all heat shrink tubes from sleeves so you can see the condition of the sleeves

Step 2:

Check for any corrosion or other issues like degradation of the sleeves due to high salt concentration in the air . If you are not sure , send us some pictures for assessment

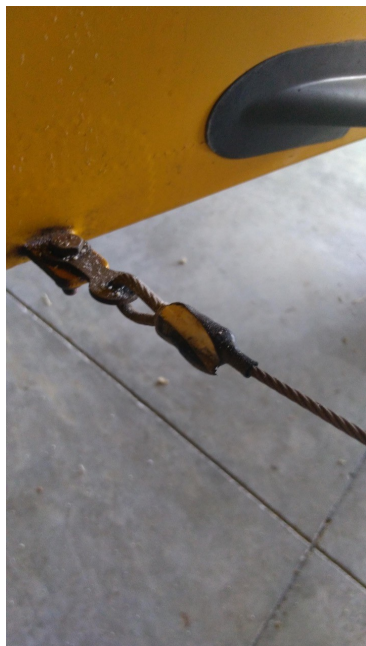
Step 3:

If all sleeves are good with no corrosion on them or any other defects are found , you can seal the sleeves with Tesa tape used for wiring looms (or any other duck tape that suits the needs)

Step 4:

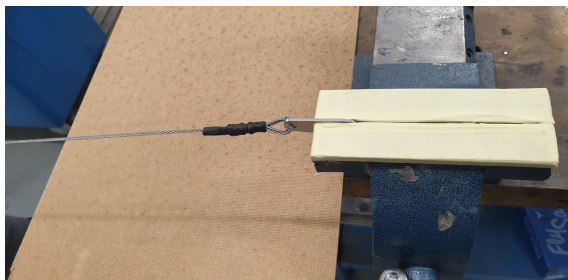
This step applies only when corrosion or any other defects are found. If any corrosion or any other issues are found on the wires **it is mandatory to replace them all immediately before next flight.** For new sets of replacement contact us directly and we will dispatch new sets of wires/cables for each customer affected by this issue

Pictures of issue occurred:

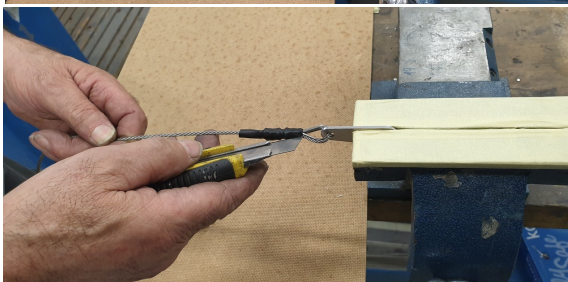


Inspection procedure :

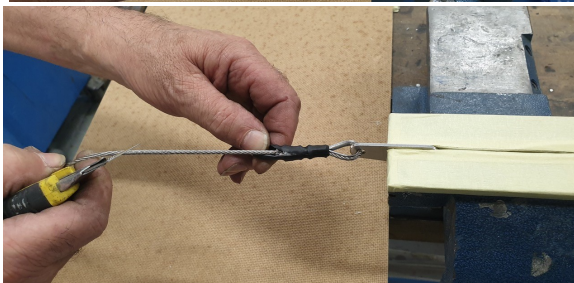
Hold the wire



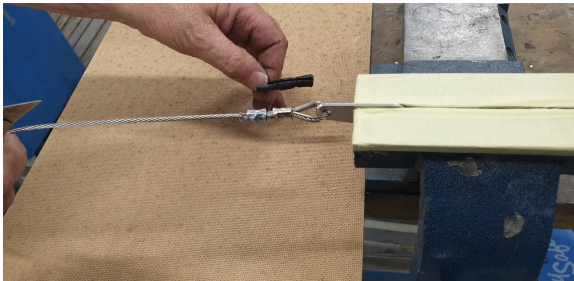
Cut the shrinkable tube



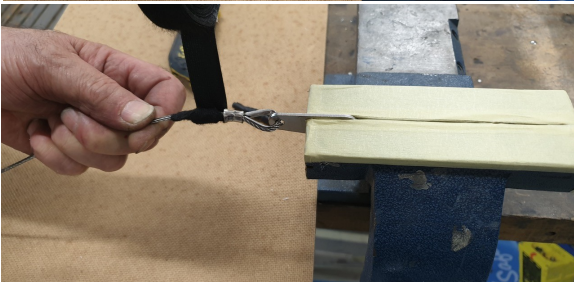
Remove the tube



Inspect the sleeves



Seal the sleeves with the Tesa tape



Use small amount of heat to seal it

