

Defect Report

Make: RANS Coyote
Model: S6S
TTIS: 860 hours
Reporter: Stan Hyde
Date: 4 Martch 2014

Defect:

Both aileron push-rod tubes damaged due to wing cover plate screws rubbing on tubes.

One has worn right through tube.

It is easy to inspect both ends of these push-rods but overlook the middle.



When worn right through the tube, the screw could then lock the tube from full and free movement.

Inspection of another S6S revealed the same defect.

Remedial action:

Removed and replaced push-rods

Left the middle cover retaining screw out.

Recommendation:

1. Remove cover and inspect before further flight.
2. Replace any rods with evidence of wear.
3. Do not fit the middle cover retaining screw- it is well retained with the remaining screws.