

Zlin Aviation S.R.O.

2. Kvetna 685
763 61 Napajedla
Czech Republic

| | | |
|---------------------|-------------|--------------------|
| Safety Alert | N°06 | 24 AUG 2012 |
|---------------------|-------------|--------------------|

MANDATORY

- **Airplanes affected:**

all Savage airplanes and models

- **Reason:**

locking of right rudder pedal has been reported in a Savage plane assembled from kit not by Zlin Aviation sro. The event was caused by the upper piston brake screw head or safety nut's contact with the firewall's diagonal tube. The event was solved by the pilot without any kind of consequences.

- **Subject:**

visual control of the correct installation of the rudder pedals and brake pedal assembly, and in particular control that the combined action on the rudder pedal and brake pedal to its physical limit cannot incur in a contact between some pedal component and the firewall diagonal tubes.

Please report to Zlin Aviation sro. In case the problem is found, with detailed description.

Note: a normal possible symptom of the problem might be the defect or local lack and removal of varnish on the diagonal firewall tube, due to the friction of the described parts. See picture.

- **Compliance:**

Issue date of A.D.

- **Material:**

For checking: none required.

For repairing: following further defects reports from aircraft owners, a repair kit will be supplied by Zlin Aviation S.R.O.

- **Accomplishment:**

- 1) Check if the paint of the firewall's diagonal tubes presents some defects.
- 2) Simulate the foot action on the rudder to its limit, and then apply brake pressure also to the limit, in both directions, and observe if any contact or friction occurs between some pedal components and the firewall tubes.

In case contact occurs, check the following solutions which might easily avoid the contact and the problem:

- A. Correct mounting direction of the upper screw and safety nut that holds the cylinder brake to the brake pedal, which should be inbound.
 - B. Correct setting of the two limit bolts in the rudder/tail wheel area. Eventually register these bolts in a way that the pedals cannot contact the firewall. The bolts create the stop of the rudder travel so in this way you can adjust the movement of the pedals. See picture.
 - C. Correct angle setting of the rudder pedals in respect to the floor ground, which should be slightly less than 90° (=facing towards the pilot, thus keeping more distance from the firewall).
- 3) If the problem appears, and none of the above checks and settings can solve it, please contact Zlin Aviation s.r.o.

- **Special tools**

None required

Pictures:

