

MANDATORY BULLETIN No. SD-1/002 a

Concerning: Airplanes built from plans Nr. 002-029 and kits Nr. 002-021

Subject: Installation of bush into lower rudder hinge and exchange of lower fuselage rudder hinge

Reason: The necessity of lower fuselage rudder hinge (dwg. SD-1-60-500 pos. 15) reinforcement was found out during LTF-UL certification process

Latest day of action: Before first flight

Action carried out by: Builder (owner)

Cost covered by: SPACEK s.r.o. (material)/Builder (work)

Necessary material: bronze bush, plywood, hinge and bolts delivered by SPACEK s.r.o., epoxy and anaerobic glue

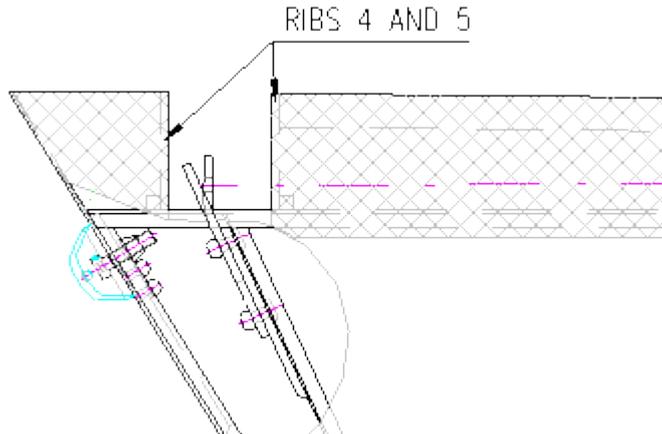
Sheets: 3

.....
Igor Spacek
Designer

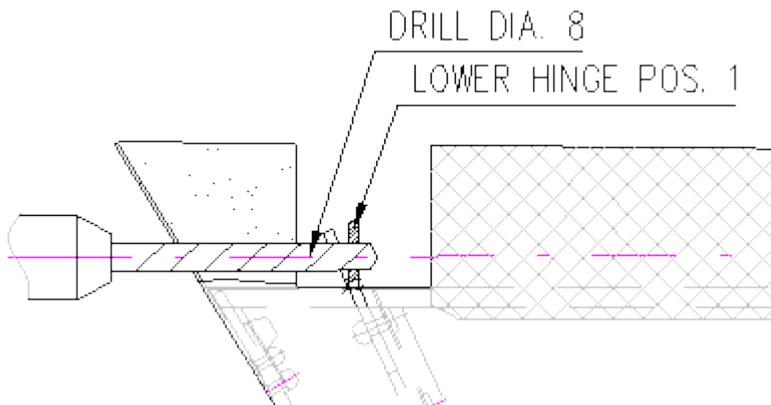
1.2.2011

WORK PROCEDURE

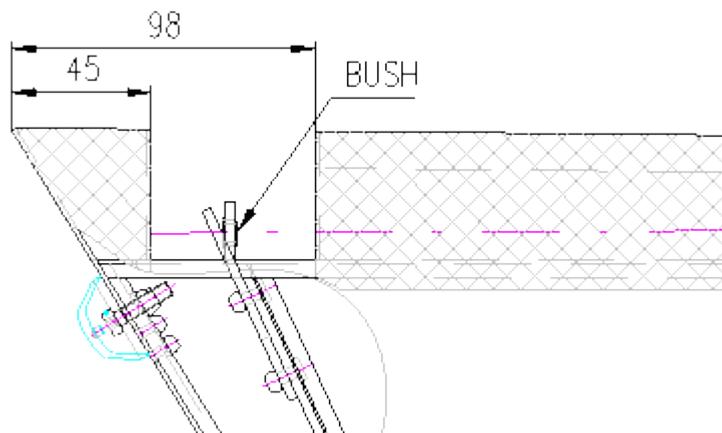
1. Uninstall rudder from fuselage.
2. Remove using saw and knife cut away plywood nose ribs 4 and 5



3. Using drill dia. 8 increase original hole dia.6 in the lower hinge pos.1 of rudder

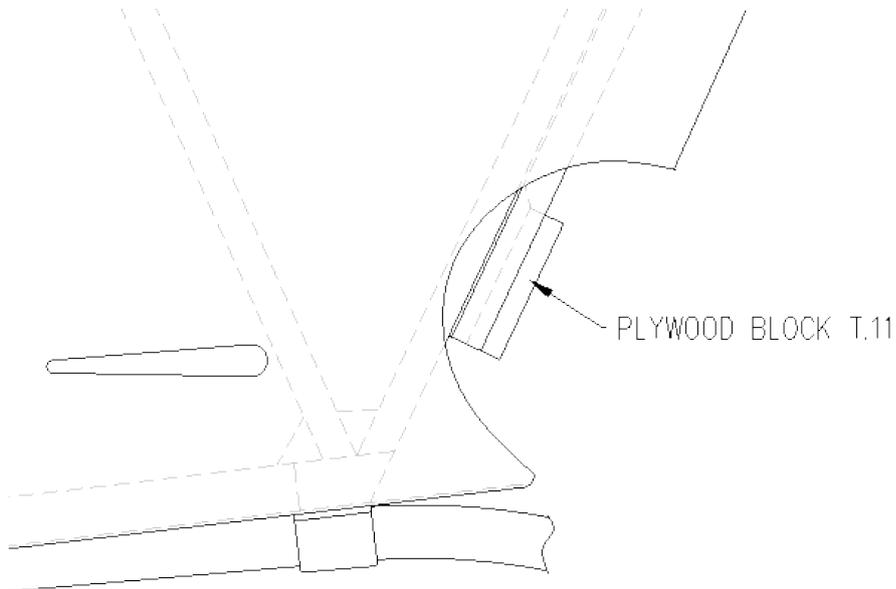


4. Deburr hole edges and install bush in accordance to picture using anaerobic glue for metals (Loctite or similar). Modify dimensions of nose and close opened XPS using plywood T.1. in accordance to dimensions on bellow picture



5. Close holes after drilling in the rudder nose using balsa wood and dry micro
6. Uninstall original lower hinge pos. 15 (dwg SD1-60-000) from the fuselage.

7. Slightly sand away varnish on the fin rear spar—where original hinge was placed
8. Trim delivered plywood block T. 11 so that it perfectly fits on original T. 5 plywood reinforcement (see following pics). Prepare app. 5 g of epoxy with mix and glue plywood block in the place.



9. Install new version of lower hinge on the rudder.
10. Mark position of lower hinge on the fin spar with rudder in place. Uninstall hinge from the rudder and drill mounting holes into fin spar through holes in the hinge. Install hinge on the fin spar and finish installation of rudder if appropriate.

