

## **MANDATORY BULLETIN No. SD-1/006b**

**Concerning:** All airplanes up to SN 107

**Subject:** Installation of new version of flaperon mixer console

**Reason:** Achievement of higher aileron control stiffness. Replacement of plastic bushes due to fast wear.

**Latest day of action:** Before next flight

**Action carried out by:** RTF planes/owner

Kits/builder (owner)

**Necessary material:** Delivered by manufacturer- mixer console SD1-65-501, ball bearing in bush SD1-65-512 4x, console bush SD1-65-509 2x, bolt SD1-65-511 2x, tube SD1-65-513 2x, ring SD1-65-517 2x, washer 6 DIN 125 4x, nut M6 DIN 982 2x, bolt M5x35 DIN 7991 1x, hardwood 10x20-500

**Necessary tools:** Set of wrenches, file, sand paper

**Sheets:** 2

**Attached drawings:** SD1-65-000 issued 7.8.2014  
SD1-65-500 issued 7.8.2014  
SKETCH 1/006b issued 26.9.2014

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Designer

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## WORK PROCEDURE

1. Dismantle wings from the fuselage.
2. Disconnect aileron control rods from the levers SD1-65-502 (see attached drawings)
3. Uninstall flap setter SD1-65-508 from the right fuselage side.
4. Dismantle bushes SD1-65-509 holding mixer console SD1-65-501 from the fuselage sides and remove mixer from the fuselage.
5. Uninstall flap lever SD1-65-506 from the mixer console.
6. Remove levers SD1-65-502 from the original mixer console
7. Knock out original plastic bearings from the levers
8. Install new bushes with bearings into levers with the tube SD1-65-513 inserted between. The length of tube could be modified for perfect axial fit of bushes in the lever but bearings cannot be pre-tensioned (in axial direction) after final installation. If there is any radial play between bush and lever use epoxy with mix for play elimination during final assembly.
9. Assemble levers on the console SD1-65-501 in accordance to view R drawing SD1-65-000.  
Modify length of ring SD1-65-517 for perfect fit.
10. Install lever pos. SD1-65-506 on the console.
11. Check fit of new console in the place of installation. Modify length of plug SD-65-510 if necessary and install console using new bushes SD1-65-509. Grease contact surface. Watch out for correct position of the right bush. There **CANNOT** be any side play after console installation.
12. Reinstall flap setter and install the wings on fuselage.
13. Connect control rods on the levers but do not use self-locking nuts. Modify length of rods if necessary for fit of flaperons against fuselage. Use red paint for securing of rod ends nuts. Finish installation with self-locking nuts.
14. Fit two gussets from hardwood 10x20 in place of auxiliary longerons as drawn in the sketch 1/006b. Remove varnish in contact surfaces and glue in place using LETOXIT, T-88 or thickened laminating epoxy. Sand off excessive glue and varnish after cure.

**THE BULLETIN SD-1/006a IS CANCELLED AFTER PERFORMANCE OF ABOVE WORK**