

Subject : Elimination of stiffness in the aileron control circuit nylon guides.

Effectivity : All ASW 15s up to S/N 15 168 and S/N 15 173.

Accomplishment : If uncomfortable stiffness of the aileron control circuit is noticed.

Reason : By oxydation of grease the friction of the pushrods is noticeably increased and this is first noticed at high altitudes or in cold weather to be uncomfortable.

Instructions : According to the instructions on drawing 151.31/51.S30 "Flügelschnitt am QR, Handlochdeckel-Einbau" (wing section in aileron area, installation of an inspection hole cover) the stiffness of the aileron pushrod is eliminated.
In addition to the notes set forth on this drawing the following indications are given :

1. A reamer of 17.5 mm \varnothing is connected to a 16 mm \varnothing tube. With this tool the nylon guides are reamed from the wingroot rib side.
2. The plywood ring which is to be glued on on the inside of the wing can be easily put in if it is radially cut open at one point.
3. It is advisable to mark the cover prior to cutting so that later on it can be easily installed in the correct position.
4. Do not grease again the pushrod before the reinstallation so that oxydation of grease cannot occur again.

Weight and balance: Neglectable.

Notes : It is recommended to overhaul the aileron links and operating levers as well as the components in the fuselage at the same time as the above maintenance is done.

Drawings : The drawing no. 151.31/51.S30 goes with this maintenance instruction. The repair manual for the ASW 15 gives some general background for fiberglass repairs, too.

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