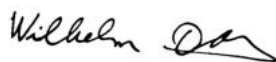


Service Info No. 111/23 Wrong assembly of the elevator control

- Subject : Automatic elevator control connection, wrong assembly
- Effectivity : All DG single seaters with automatic elevator control connection
- Accomplishment : During each rigging
- Reason : In case the assembly of the elevator control connection is not performed correctly according to the instructions in the flight manual which means, that the roller at the fuselage side pushrod is not inserted into the funnel at the elevator. In this case the roller will be placed besides the funnel. If you try to screw in the front stabilizer mounting bolt you have to rotate the stabilizer around the yaw-axis and you will feel some resistance, as the pushrod with the roller must be pressed to the side.
If it will be possible to screw in the mounting bolt depends on the force you apply and on the amount of free play in the parallelogram guiding the roller.
- Instructions :
 1. Always be careful when rigging that you insert the roller into the funnel as described in the flight manual (item: rigging of the stabilizer). The trim position must be full nose down, so that the roller is in its upper position.
 2. In case the stabilizer must be rotated with some force to screw in the mounting bolt, remove the stabilizer and rig again correctly.
 3. Check for correct elevator connection by looking through the Plexiglas window at the upper surface of the stabilizer, see photos below.
 4. Always care for cleanliness of the window, also from the inner side.
 5. If you detect, that rigging although the roller is besides the funnel is possible, the parallelogram guide lever should be exchanged.
 6. Latest prior to take-off perform a positive control check. This means that a competent person must help.
 - a) Hold the elevator tight in a mid-deflection. It should only be possible to move the control stick for the normal free-play.
 - b) Release the elevator. Move the control stick in both directions, unrestricted movement up to the stops should be possible. The elevator should make full deflections
- Material : Instruction 5: New parallelogram guide lever, you find the part No. in diagram 1 of your maintenance manual.

Bruchsal
February 2023

Author: Wilhelm Dirks



Photos for instruction 3
Correct assembly



wrong assembly

