

Subject: Replacement of both aileron control rods no.1 (115-4400/4401)

Concerning: GROB G 115 / G 115A all s/n's

Urgency: before the next flight

Procedure: On certain aircraft serial numbers the right control wheel can be pushed passed the right dead center point by applying very high forces. This results in reversed aileron control. If the control wheel is then returned to its original position the aileron control rods can be distorted.
For this reason and as a **precautionary measure**, the immediate replacement of these aileron control rods by a modified version is mandatory. These modified rods have an additional stop to prevent them being pushed over dead center.

Actions: The replacement of the aileron control rods no. 1 (115-4400/4401) by modified aileron control rods no. 1 (115-4410/4411) must be carried out in accordance with the Installation Instruction to Service Bulletin TM 1078-14.

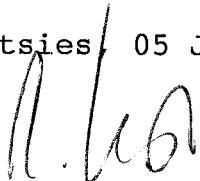
Note:
Replaced aileron control rods no. 1 (115-4400/4401) and rods of this type in storage are to be rendered unusable or destroyed.

Material: The materials (incl. Installation Instruction) can be obtained free of charge from the manufacturer.

Weight and Balance: negligible

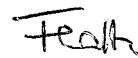
Remarks: The replacement is to be carried out by a competent person or an authorized aviation workshop and the correct installation has to be certified in the logbook by an authorized inspector.

Mattsies / 05 July 1990



signed i.A. R. Rischer
(Airworthiness engineer
certification staff)

LBA-approved:



July 10, 1990

Note: If in the meantime you have sold your aircraft, we would ask that you kindly pass this information immediately to the new owner and forward his address and aircraft s/n to us.



This installation instruction no. 1078-14 is issued against the Service Bulletin TM 1078-14 and contains instructions for the replacement of both aileron control rods 115-4400/4401.

Material: 1 Aileron control rod 115-4410
1 Aileron control rod 115-4411
4 Hexagon nuts LN 9348 M6

Tools : Normal tool kit

Note: On removal of the aileron control rods the total length from clevis hole center to clevis hole center must be determined for each rod. These dimensions must then be transferred to the new aileron control rods. It is important that these dimensions are not changed otherwise the aileron control system must be completely readjusted.

- (1) Remove the aileron control rods no. 1 (115-4400/4401) in accordance with the Maintenance Manual chapt. 27-10.
- (2) Transfer the length of each aileron rod to the new aileron rods (115-4410/4411).

Caution: It is important that these measurements are not changed.

- (3) Adjust the new aileron control rods and lock the adjustable clevises.
- (4) Install the new aileron control rods in accordance with the Maintenance Manual chapt. 27-10.

Caution: Contrary to the instructions in the Maintenance Manual, the new aileron control rods must be installed with the adjustable clevises connected to the control column and with the fixed clevises connected to the horn rods (see illustration on page 2). In addition, the Maintenance Manual and the Illustrated Parts Catalogue show the securing bolts (A) for the aileron rods installed incorrectly: These bolts must be installed in the opposite direction to that shown in the Maintenance Manual, i.e. bolts heads facing aft.

On completion of the work the aileron control system must be checked for correct operation, freedom of movement and correct aileron deflection.

The correct installation has to be certified in the logbook by an authorized inspector.

Mattsies, 05 July 1990

signed by J. Altmann

