



AIRWORTHINESS DIRECTIVE

TYPES AFFECTED:

Grob G103 "Twin 11" and Grob 103A "Twin 11 Acro"
Serial Nos. 3730 to 3878 and 33879 to 34078 (Acro
with supplement "K").

SUBJECT:

Rudder lever mounted on rear cockpit control stick
bulkhead.

BACKGROUND:

Because of failures occurring in service, the manufacturer
has issued Service Bulletin TM 315-33 which calls for the
inspection and replacement of the rudder lever with a new
stronger lever and changing the stop screws for stops
with rubber buffers.

ACTION:

1. BEFORE FURTHER FLIGHT

Inspect rudder lever for damage in accordance with
Instruction 1 of TM 315-33. If any damage is found the
sailplane is not to be operated until Action 2 is
completed.

2. BEFORE 31/3/1988

Replace the existing rudder lever and stops with the
factory supplied parts in accordance with Instruction 2
of TM 315-33.

IMPLEMENTATION:

Actions 1 and 2 to be accomplished by a DoTC 1109
inspector authorised C. of A. any type and the work
entered in the sailplane logbook.

WEIGHT AND BALANCE:

No effect

MATERIALS:

As required by TM 315-33 available from -

Edmund Schneider Pty. Ltd.
Two Wells Road,
Gawler. S.A. 5118

ENCLOSURES:

Grob Service Bulletin TM 315-33 and Repair Instruction
No. 315-33/1 for Service Bulletin TM 315-33.

COMPLIANCE:

The requirements of this Airworthiness Directive are
mandatory. This Directive is issued pursuant to Air
Navigations Regulations under the delegated authority
of the Secretary of the Department of Transport and
Communications.

Issued by:

Chief Technical Officer,
Airworthiness

For and on behalf of:

GLIDING FEDERATION OF AUSTRALIA

9.12.1987

Sheet 1 of 1



Service Bulletin
TM 315-33

GROB
G103 "TWIN II"
G103A "TWIN II
ACRO"

Subject: Checking and replacing rudder lever 103B-4430 on the aft stick bulkhead.

Effectivity: Glider type GROB G103 "TWIN II" and GROB G103A "TWIN II ACRO"
Serial No. 3730 - 3878 (inclusive)
Serial No. 33879 - 34078 (inclusive)
(ACRO with Supplement "K")

Accomplishment: - Instruction 1 before next take-off
- Instruction 2 not later than 31.01.1988

Reason: This Service Bulletin was prompted by breakage of the rudder lever 103B-4430 in the area of the connecting bearing for the rudder rod I (connecting the rudder lever to the rear pedal unit). Predamage is announced by widening of the bearing ring.
As a precautionary measure the rudder lever is being replaced by a stronger lever (103B-4430/1) and the stop screws are being replaced by stops with rubber buffers.

- Instructions:**
1. Instruction: Checking the rudder lever for signs of predamage.
 - 1.1 Visually inspect the complete rudder lever prior to next take-off for signs of predamage.
Checking the lever requires implementation of the Repair Instruction No. 315-33/1 which is a component of the present Service Bulletin.
 - 1.2 When no damage to the lever is discernible there is no need to repeat Instruction 1 until the rudder lever is replaced according to Instruction 2.
 - 1.3 Should predamage be evident, Instruction 2 must be implemented before next take-off.
 2. Instruction: Replacing the rudder lever
 - 2.1 Changing the rudder lever and the stops shall be implemented in accordance with Repair Instruction No. 315-33/2 not later than 31.01.1988.

Datum

ersetzt Ausgabe
vom

Bearbeitung

Musterprüfer

Seite



Service Bulletin
TM 315-33

GROB
G103 "TWIN II"
G103A "TWIN II
ACRO"

Material: The material and the repair instructions according to TM 315-33 shall be procured from the manufacturer.

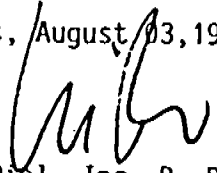
Weight and balance: No effect

Remarks: Instructions 1 and 2 can be carried out by qualified mechanics. The check has to be certified in the log-book. The proper execution of instruction 2 has to be certified by an authorized inspector class 3, immediately following completion, in the log-book.

Mattsies, August 13, 1987

LBA-approved on:

August 4, 1987


signed Dipl.-Ing. R. Rischer

P.S. In case you have sold your glider meanwhile, we ask you kindly to give this information immediately to the new owner and to let us know his adress and serial number.

The translation has been done by best knowledge and judgement. In any case or doubt, the German original is authoritative. The German original of this Service Bulletin has been approved by the LBA under the date of August 4, 1987 and is signed by K. Volosciuk.

Datum

ersetzt Ausgabe
vom

Bearbeitung

Musterprüfer

Seite



Repair Instruction No. 315-33/1
for Service Bulletin TM 315-33

GROB
G103 "TWIN II"
G103A "TWIN II
ACRO"

Repair Instruction No. 315-33/1 pertains to Service Bulletin 315-33 and relates to checking the rudder lever 1038-4430 on the aft stick bulkhead.

Tools: fork wrenches SW 10, SW 7
1 screwdriver

Material: 3 stop nuts M4
Pattex

Note: It is good practice, before dismantling anything, to make a mental-note or small sketch of how the things fit together so that later reassembly is easier. Make a precise note also of such minor items as screws, for instance.

1. Instruction:

Checking the rudder lever for signs of predamage:

1. Remove both canopies.
2. Remove both seats.
3. Remove RH aft pedal (using fork wrench SW 10) noting the washers.
4. Remove RH rubber floor mat.
5. Remove RH fairing (screwdriver and fork wrench SW 7)
6. Visually inspect the complete rudder lever (see also Fig. 1) for predamage.
(It will help to use a flash-light (torch)).

Signs of predamage: - widened or cracked bearing rings
- lever deformation

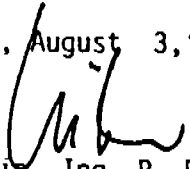
After visual inspection proceed according to Instructions 1.2 or 1.3.

7. Reassembly is in reverse sequence.

Caution: Use new stop nuts on reassembly.

Implementation of Instruction 1 must be recorded in the log-book.

Mattsies, August 3, 1987


signed Dip.-Ing. R. Rischer

Datum	ersetzt Ausgabe vom	Bearbeitung	Musterprüfer	Seite
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