

AIRWORTHINESS DIRECTIVE

TYPES AFFECTED:

MU 13E BERGFALKE
BERGFALKE 11
BERGFALKE 11-55
BERGFALKE 111
BERGFALKE 1V

SUBJECT:

Inspection/replacement of connection bolts for elevator and airbrakes. i.e. rigging pins

BACKGROUND:

Overseas experience has required the issue of Scheibe Technical Note 104-18 which calls for the inspection and possible replacement of the connection bolts for the elevator and airbrakes.

ACTION REQUIRED:

In accordance with Technical Note 104-18 which constitutes part of this A.D. -

- (a) Carry out Instruction 1 and 2 before further flight
- (b) Carry out Instruction 3 at the next Form 2 inspection or before

NOTE! As these aircraft have been in service for some time it is possible that the connecting bolts have been replaced, because of loss or wear, with new ones not resembling any of the types described in Technical Note 104-18. The inspector must make sure that any connecting bolts fitted are not cracked and are made from a suitable material.

IMPLEMENTATION:

Actions (a) and (b) to be carried out by a DoA 1109 inspector authorised for C. of A. any type and must be recorded in the logbook.

MATERIALS:

For the manufacture of a new pin use 4130 steel condition 'N' The handle can be made from steel welding rod as in the drawing Instruction 3 and can be gas or T.I.G. welded. On no account should it be brazed.

WEIGHT & BALANCE:

No influence

COMPLIANCE:

The requirements of this Directive are mandatory. This Airworthiness Directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Aviation

Issued by:

Chief Technical Officer,
Airworthiness

3.3.1986

For and on behalf of:

GLIDING FEDERATION OF AUSTRALIA

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Technical Note 104 - 18

Bergfalke II, II-2,
III, IV

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Subject:

- 1.) Elevator connection bolt
- 2.) Airbrakes connection bolt (only by install. of Schemp-Hirth-Airbrakes)

Effectivity:

- 1.) Elevator-connection bolt

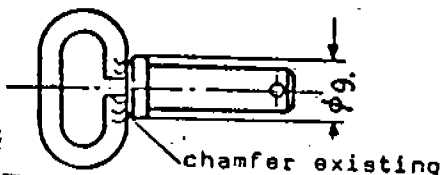
Sailplane MÜ 13E "Bergfalke"	} all Serialnumbers
" Bergfalke II	
" Bergfalke II-55	
" Bergfalke III	
" Bergfalke IV	
- 2.) Airbrake-connection bolts

Sailplane Bergfalke III with mod. 27
(model with Schemp-Hirth-airbrakes)
Sailplane Bergfalke IV all Serialnumbers

Accomplishment: Instruction 1 and 2 before next flight
Instruction 3 at the latest before 31.8.85

Reason:

On some "Bergfalke" Sailplanes (not all), a connection bolt for elevator and airbrakes was installed, made of an eyebolt with a welded handle (made of welding rod) (see sketch)



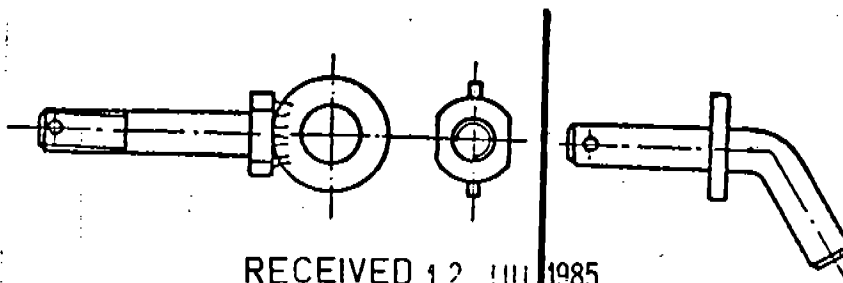
Under bad circumstances the molecular of the eyebolt (DIN material), can change during the welding of the little handle to the bolt.
There has been a damage to a bolt for the airbrakes.
For the safety, it is necessary to inspect the DIN-bolts for eventual cracks and before 31.8.1985 replace them against bolts made of "Aircraftsteel" (1.7214.4 or 1.7734.4 (see drawing Instruction 3)).

Instructions:Instruction 1

Inspect if the connection bolts are affected.

Not affected are (these bolts are already made of "Aircraft steel"):

- a) "halfautomatic" elevator connection bolts (the bolt slides in a tube which is welded to the elevator lever).
- b) elevator connection bolts in the following construction



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Technical Note 104 - 18

Mu 15E "Bergfalke"
Bergfalke II, II-55
III, IV

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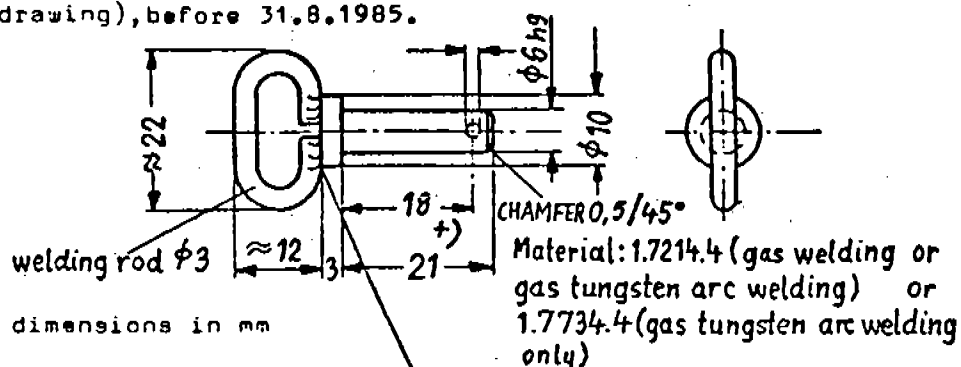
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Instruction 2

Before next flight the connection bolts must be inspected by using a magnifying glass of at least 10 x power. If cracks are found, then the bolt must be replaced immediately. If no cracks are found the sailplane may be flown until 31.8.85.

Instruction 3

If the connection bolts are not made of "Aircraftsteel", they must be replaced against such of aircraftsteel (see drawing), before 31.8.1985.



here as difference to the eyebolt (from DIN material) no

- +) a certain amount of Bergfalke are "amateur-build".
Therefore there may be differences in the length of the bolts, and they must be fitted to the actual Bergfalke. In any case with the new connection bolts the controls must be checked carefully on function and clearance.

Material: see drawing under Instruction 3

Weight and balance: Not affected

Remarks: Accomplishments are to be performed by an authorized workshop.
Accomplishments of the actions are to be entered in the aircraft logbook by a licensed inspector.

SCHEIBE FLUGZEUGBAU GMBH
Dachau, Aug. Pfaltz-Str. 23

13. 5. 1985

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Approval: Translation has been done by best knowledge and judgement. In any case the original text in German language is authoritative.



29. Mai 1985

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