

Subject : Spring in fuselage flap drive near landing gear box

Effectivity : Sailplane model LS3, version LS3  
Serial numbers: 454, between 3000 and 3338

Accomplishment : immediately, when spring failed or before next annual inspection

Reason : The spring 4R10-31 (cadmium plated steel) in the flap drive may fracture due to fatigue, resulting in flap handle during high speed flight not staying in the  $-7^\circ$  negative flap position by itself, but somewhere between  $0^\circ$  and  $-7^\circ$  and must be held at  $-7^\circ$  by hand, if the pilot wants it to be there.

Material and :

Instructions : Spring 4R10-31 to be exchanged according to drawing 1BR-3b against longer spring (RZ 141 EI, corrosion resistant steel), also forward mounting of spring moved from landing gear box to main bulkhead. See pages 2 to 4 of this TB (excerpt of drawing 1BR-3b) for details, material and installation instructions.

Weight and

Balance : Not affected

Remarks : Modification by manufacturer or national authority approved repair station.  
Accomplishment of modification (TB 3046) to be checked by inspector and signed in logbook.

LBA-approved : 06. Nov. 1995



*b.o. Jung*

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*Heucke*

Geprüft:

*Wagner*

**LBA-AD 95-470**