

83-124/2 MBB

Date of issue:
October 30, 1984

Affected helicopters:
German Type Certificate No. 3025
Bo 105, all serial numbers.

Subject:
Tandem Hydraulic units 105-45021
 105-45023
 105-45028
 105-83001
 105-83011

irrespective of time in service.
Flat springs EE-4-2054 and D 133-741-IIIE

Reason:
Failure of flat springs in the override mechanism.

Action and compliance:

- 1.a) Flat springs of no. II hydraulic system having less than 1190 operation hours at the effective date of this AD are to be inspected in accordance with the instructions given in the Alert Bulletin, before reaching 1200 hours.
- b) Flat springs of no. II hydraulic system with more than 1190 operation hours at the effective date of this AD must be inspected within the next 10 operating hours in accordance with the instructions given in the Alert Bulletin.
Repeat these inspections every 100 operating hours until the springs are replaced.
- 2.a) Replace flat springs of no. I and no. II hydraulic systems having less than 2300 operating hours at the effective date of this AD, when they will have accumulated 2400 flight hours.
- b) Replace flat springs of no. I and no. II hydraulic systems having more than 2300 operating hours at the effective date of this AD or with unknown time in service within the next 100 operation hours in accordance with the instructions given in the Alert Bulletin.
3. The service life of the flat springs of both systems is limited to 2400 operating hours.

Technical note of the manufacturer:

MBB Bo 105 Alert Bulletin No. 22, Rev. 1 of April 17, 1984, which becomes herewith part of this AD and may be obtained from Messrs. Messerschmitt-Bölkow-Blohm, Unternehmensbereich Drehflügler, Postfach 801140, D-8000 München 80.

Accomplishment and log book entry:

Action to be accomplished by an approved service station and to be entered in the helicopters log.