

Airworthiness Directive

74-22 MBB Helicopter

Date: March 7, 1974

Affected Helicopter Model: BO 105

German Type Certificate Number: 3025

All BO 105 Helicopter with main rotor head, Part Number

105-14101, Serial-Nr. 1 to 50 and attaching bolt,

P/N 105-14101.22 and 105-14101.23 with modification index

"b" or preceding letters, including all spare parts in stock.

Reason

After 600 hours in service Traces of corrosion and wear have been detected on some of the bolts.

Action

1. Main rotor bolts P/N 105-14101.22 and 105-14101.23 with modification index "f" or preceding letters have to be replaced by main rotor bolts with modification index "g" or following letters in accordance with MBB BO 105 Service Bulletin No. 10-11, dated December 19, 1973.
2. Main rotor blade attaching bolts P/N 105-14101.31 with more than 350 hours of operation have to be replaced by main rotor blade attaching bolts P/N 105-14101.29 in accordance with MBB BO 105 Alert Service Bulletin No.4 dated March 2, 1973.

Compliance

- Action 1: a) Main Rotor bolts P/N 105-14101.22 and 105-14101.23 with less than 600 hours in service:
At the next 600 hrs-inspection.
- b) Main Rotor bolts P/N 105-14101.22 and 105-14101.23 with more than 600 hours in service:
At the next 100 hrs-inspection.

In any case before June 30, 1974.

Action 2: Before the next flight, unless already accomplished.

Main rotor blade attaching bolts P/N 105-14101.31 with less than 350 hours in service:

Not to exceed 350 hours in Service.

In any case before June 30, 1974.

*Accomplishment to be entered in the aircraft log and in the Aircraft records by a licensed inspector.