

Airworthiness Directive

74-162 MBB Helicopter

Date: July 3, 1974

Affected Helicopter Model: BO 105

German Type Certificate Number 3025

All BO 105 Helicopter equipped with tail rotor blade 105-31742 up to Serial Number 548 inclusive and all spare blades 105-31742 up to Serial Number 548.

Reason

The fiberglass plastic loop which has been installed in accordance with LTA-Nr.74-64, Service Bulletin MBB-BO 105 No. 30-5 has shown inefficiencies during flights under rainy weather conditions.

Action

1. To secure end caps to tail rotor blades proceed in accordance with Service Bulletin No. 30-8 dated July 5, 1974
2. Until the procedures according to Service Bulletin No. 30-8 have been complied with intermediate action should be as follows:
  - a). On tail rotor blades which have been modified in accordance with LTA-No.74-64 (MBB SB 30-5) perform the following inspections:

At each postflight inspection visually check condition of the fiberglass plastic loop. If the fiberglass plastic loop at the front of the cap has been fully destroyed proceed in accordance with paragraph b).
  - b). On tail rotor blades which have not been modified in accordance with LTA-No. 74-64:

At each postflight inspection visually check the binding of the end cap border on both sides of the blade between rear chamber and trailing edge of the blade. In the areas to be checked visually, to find out if looseness occurred, test by tapping to detect loose spots.

Looseness up to 35 mm (1.375 inch) from the trailing edge of the blade is allowable. In case of greater damage the tail rotor blade should be taken out of Service and replaced by an airworthy part.

Compliance

Action 1: Before Oktober 1, 1974

Action 2a) and 2b): At daily postflight inspections

Accomplishment to be certified in the aircraft log.

This AD supersedes the previous LTA 74-64 dated May 21, 1974 which is cancelled.