

AIRWORTHINESS DIRECTIVE

76-256/3 Bölkow

Date of issue:

Affected helicopter type:

BO 105 (German Type Certificate no. 3025),  
all serial numbers.

Affected:

Rotor brake

Reason:

Loosened brake blocks in the brake piston of  
rotor brake 2-1188

Action:

1. Check the rotor brake for presence and tight fit of the brake blocks in the brake piston prior to the next flight and according to Alert Service Bulletin.

Do not use any tools!

- 1.1 In Case of perfect connection between brake block and mounting, remove brake saddle within the next 10 flight hours.
- 1.2 In case of loose brake block, remove brake saddle immediately.
- 1.3 In case of missing brake block,
  - a) remove brake saddle immediately,
  - b) inspect gear box area for missing brake block (blocks or particles thereof),
  - c) check engine compressor for damage immediately, if brake block (blocks or particles thereof) is not to be found.
2. Regardless of the action to be accomplished the rotor brake must not be activated prior to the installation of the overhauled brake saddle.
3. Instruction:
  - 3.1 Detach brake saddle pressure hose.
  - 3.2 Actuate brake lever until no more oil comes out of the hose.
  - 3.3 Remove hose between brake saddle and pressure relief valve.
  - 3.4 Seal open connecting socket at the pressure relief valve by means of dummy (no metal) or tape.
  - 3.5 Remove brake saddle.
  - 3.6 Attach to the brake lever a label or tape plainly marked with the inscription "DO NOT ACTUATE ROTOR BRAKE".
  - 3.7 Perform compressor check according to Allison maintenance and overhaul manual, if necessary.
  - 3.8 European customers are asked to send the removed brake saddles to MBB for overhaul.  
Customers in North and South America are asked to send the removed brake saddles to Messrs. B.F. Goodrich or to let them have repaired on the spot by Goodrich personnel.

3.9 Removal of the brake saddle must immediately be phoned or telexed to MBB customer service:

Messerschmitt-Bölkow-Blohm GmbH, Unternehmensbereich Drehflügler Kundendienst, Abteilung DVO4, 8012 Ottobrunn.

Note:

Removal of the brake saddle does not have any influence on the helicopter operation in flight.

Technical information of the manufacturer:

MBB Alert Service Bulletin No. 13 which becomes herewith part of this airworthiness directive, Rev. 2 of December 17, 1979.

Accomplishment and log book entry:

Actions to be accomplished by an approved repair station and to be entered and certificated in the helicopter's log.

This AD supersedes Airworthiness Directive 76-256/2 of October 4, 1979.