

Airworthiness Directive

76-206 MBB

Date of issue:
June 15, 1976

Affected helicopter models:
BO 105 (LBA Type Certificate No. 3025)
all models and serial numbers.

Subject:
Main rotor gearbox equipped with oil pump.

Reason:
Insufficient oil supply for sun gear in planet gear carrier of main rotor gearbox may cause excessive wear and premature impairment.

Actions:

1. Check main rotor gearbox for existence of oil pump (p/n 7631 955 112, or p/n 7631 955 115) with a s/n up to and including 229. Actions 2, 3 and 4 are to be accomplished if above identifications have been ascertained.
2. Exact observation of chapter 10-1-2, page 17, BO 105 Maintenance and Overhaul Manual: Check of magnetic chip detector in main rotor gearbox.
3. For oil pump (p/n 7631 955 112):
Replacement of plunger in oil pump and, if not yet accomplished, simultaneous replacement of compression spring in oil pump in accordance with service bulletins.
4. For oil pump (p/n 7631 955 115):
Unless already accomplished, replacement of compression spring in oil pump in accordance with service Bulletin.

Technical publications of the manufacturer:

To action 3: MBB "BO 105" Service Bulletin 10-20,
issued May 25, 1976

and
MBB "BO 105" Service Bulletin 10-16,
issued July 28, 1975.

To action 4: MBB "BO 105" Service Bulletin 10-16,
issued July 28, 1975

These technical publications become herewith part of this AD and are available from Messrs. Messerschmitt-Bölkow-Blohm GmbH, Unternehmensbereich Drehflügler, Postfach 801140, D-8000 München, Germany.

Compliance:

Actions 1, 3 and 4: Within the next 100 flight hours upon receipt of this AD, but not later than August 15, 1976.

Action 2: At intervals not exceeding 10 hours of operation.

Accomplishment and log book entry:

Actions are to be accomplished by authorized BO 105 maintenance personnel only and to be certificated and entered in the helicopter log book by a licensed inspector.