

AIRWORTHINESS DIRECTIVE

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84-206 MBB

Date of issue:

December 7, 1984

Affected helicopter:

German Type Certificate No. 3049

BK 117A-1

All serial numbers.

Subject:

Static longitudinal control travel stability

Reason:

Under specific combinations of mass, rotor speed, altitude, temperature and airspeed the helicopter exhibits static longitudinal control travel instability, which is unacceptable by airworthiness regulations and which can be determined by measurements. A system to compensate for this instability is under development for installation in all future production helicopters and for retrofit of all helicopters in service.

Until the system is available reduced  $V_{NE}$  values for specific sectors of the approved flight envelope (altitude, temperature) have been established as a precantionary action.

Action and compliance:

Action to be accomplished in accordance with Service Bulletin immediately after the effective date of this AD, latest until December 31, 1984, unless already accomplished.

Technical publication of the manufacturer:

MBB Service Bulletin No. SB-MBB-BK 117-40-4 of November 19, 1984, which becomes herewith part of this AD and may be obtained from Messrs. Messerschmitt-Bölkow-Blohm, GmbH, Abt. Drehflügler, Postfach 801140, D-8000 München 80, Federal Republic of Germany.

Accomplishment and log book entry:

Action to be accomplished by a skilled person and to be entered in the helicopter's log.