

# Airworthiness Directive

78-257 MBB

Date of issue:

October 18, 1978

Affected helicopter type:

German Type Certificate No. 3025.

Each BO 105 with the following dual hydraulic system:

- a) Dual hydraulic system 105-45021, 105-45023 thru serial no. 1400. Dual hydraulic system DSK-1-30142.
- b) Dual hydraulic system 105-45021, 105-45023 thru serial no. 1400, dual hydraulic system DSK-1-30142 for which Service Bulletin 40-15, first issue August 12, 1974, has already been applied.
- c) Dual hydraulic system 105-45021, 105-45023 thru serial no. 1400 for which Service Bulletin 40-15, Revision 1 and later revisions have already been applied and which have in the meantime been subject to maintenance, repair and/or overhaul work due to which the selector valve adjustment may have changed.
- d) Dual hydraulic system 105-45021, 105-45023, DSK-1-130142 (all serial nos.), when these are to be installed in the helicopter as a replacement.

Affected system:

Dual hydraulic system.

Reason:

If the selector valves are not correctly adjusted, the system may momentarily be pressureless, when the hydraulic system is switched from system I to system II because of an electrical or hydraulic defect, or when system II is selected manually or automatically.

Action and compliance:

1. If not already accomplished, check the dual hydraulic system in accordance with Service Bulletin within the next 10 flight hours after publication of this airworthiness directive.
2. If necessary, re-adjust the selector valves of the dual hydraulic system prior to the next flight.

Technical information of the manufacturer:

MBB BO 105 Service Bulletin no. 40-15, Revision 3 of October 16, 1978. The Technical Information becomes herewith part of this airworthiness directive and can be obtained from Messerschmitt-Bölkow-Blohm, Unternehmensbereich Drehflügler, Postfach 801140, D-8000 München 80.

Accomplishment and log book entry:

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