



SERVICE BULLETIN

No.: M137A/13a
M137AZ/8a

CONCERNS: V 503 A propeller flange /prod. No. Sh 4017 of M137 A,AZ engine, family of Z 42 and Z50M aircraft.

CAUSE: By few aircrafts of Z50M family were founded small cracks on the flange for V503A propeller fixing to M137A,AZ engine.

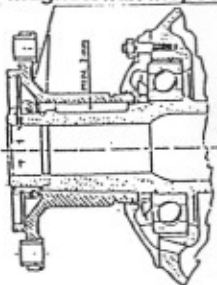
MEASURE: Inspect the flange for propeller fixing on external surface of reducing part from airscrew boss to cone flange part /see picture/ by suitable crack detection method. /Magnetoflux/. Disassembly the propeller acc. page 20 and propeller flange and execute the crack inspection /acc. picture/.

Other defectoscopy method:

By crack detection executed in other way, it means by colour defectoscopy, by turbulent flow method etc., is not necessary to disassembly the flange, but disassembly only front part of engine cover and disassembly the propeller.

By inspection is necessary to take care especially about flange parts close to longitudinal propeller axis. /Propeller blades are installed in the boss on marked "O" - marked on the flange perimeter/.

magnetoflux inspection



CAUTION: Propeller blades is necessary to set at the mark "O". To overlimit reductions, mentioned in the Aircraft Z50M manual and wrong setting propeller's blades causes cracks on the flange of engine propeller M137A,AZ. It is necessary to replace flanges with cracks.

By no crack finding, assembly the flange back /acc. "Tech. description and operation manual of V503A propeller" article "Propeller assembly on engine" and acc. article "Propeller Inspections and attendance", it means- flange tightening after 10 operation hours.

Crack detection repeate twice in 50 operation hours interval. Periodic inspection repeate every 50 operation hours.

EXECUTION TERM: Immediately, after bulletin receipt and every 50 operation hours.

TO BE CARRIED OUT: By commercial user or through the manufacturer's assistance service.

COSTS: On the user's costs.

MATERIAL: Necessary material is available by the manufacturer's - AVIA Letnany a.s. - Praha.

In Praha 09/30 92

Dipl. Eng P. Mericka
manufacturer's representative

Dipl. Eng. J. Benes
CAA representative