



service bulletin

Date April 1957

No. 91.6.004

AIRCRAFT SAAB SAFIR 91B, 91-B2 AND 91C EQUIPPED WITH HARTZELL PROPELLERS.

SUBJECT: Supplementary instructions for inspection of the propeller.

REASON: Accumulated service experience has shown that cracks may occur in certain areas of the propeller.

TIME OF COMPLIANCE: At daily inspections.

PARTS AFFECTED: Hartzell propellers HC-12 x 20 - 8C and - 8D.

WORK PROCEDURE: The propeller should be carefully inspected according to Airplane Manual and Hartzell Manual section V. Particular attention should be paid for cracks in the blades. Service experience has shown that the following areas, see figure, are especially critical for cracking:

1. Around the counterbore for the Allen screw, part No. A-282 in the blade clamps C-3 (C-66-1B, 838-12 or 838-14 according to Saab Spare Parts catalogue).
2. The push rod A-97 and the lugs on hub C-157 for this push rod.
3. Around the zerk fittings.
4. The fittings for the push-rods on jack-plate B-87-1 and B-87C-1.
5. The old type of link screw part No. A98B.

Propellers with plastic blades should also be carefully inspected for cracks in the leading edge metal protection, in the plastic material aft of the metal protection and at the root of the blade. In doubtful cases fluorescent or dye penetrant inspection methods should be used.

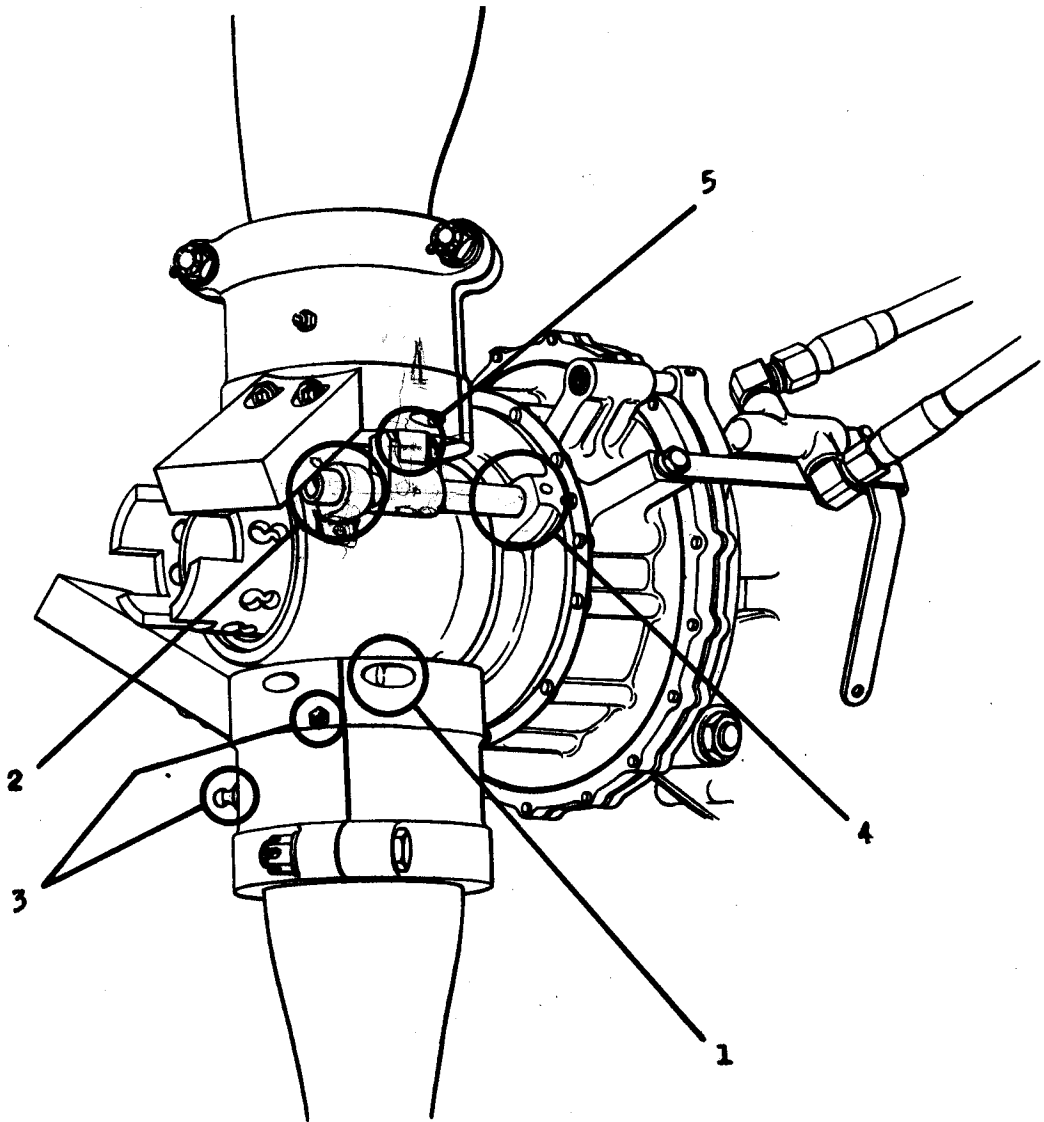


Figure 1