M 380/68 25.5.1968

The modification described in this Airworthiness Directive is necessary for the continuous airworthiness of the aircraft. The work performed is to be filed in the Journey Log Book, Engine or Propeller Log, according to the action in question.

## 380. AD No. 380/68: Araldit plue in KK-le "UTU" sailplanes

Applies: to all KK-le "UTU" sailplanes.

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Reference: It was found in seme of the KK-le "UTU" sailplanes manufactured in Finland, that the layer of Araldit glue which should fix some brackets to the structure had not sufficiently hardened.

Compliance required: Before next flight.

<u>Procedure</u>: Following modifications have to be done to prevent possible failure of the attachment of certain brackets to the structure:

- Type A Aileron root hinge bracket in the aileron
  - Aileron mush rod attaching bracket in the aileron
  - The two elevator centre hinge brackets in the horizontal stabilizer and the elevator
- 1) Drill two holes of 4 mm diameter in each 9 mm bracket right through outer skin as shown in sketch (type A). Exact place is determined by measuring. Hole diameter shall be equal to the diameter of fastening screw. Roughen the white outer surface to diameter of screw head.
  - CAUTION: Be careful not to damage the two rivets in the bracket.
- 2) Mix properly accompanying Araldit glue to an approximate ratio of 1:1 (amount of hardener can vary between 45 to 50 per cent of total quantity of glue). Fill holes with glue and rub glue into screw threads also. Install screws on their places and apply tape over them to prevent glue from flowing out. It will harden in about 14 hours. Temperature to be at least 20°C. After hardening make environments of screw head clean.
- Type B Stick tursion tube oft end support rod brackets to fuselage skin, close to the opening in fuselage for wing spar (ref. sketch).
- 1) Fill existing space between bracket and edge laminate of the opening with the

same glue as in item A/2. Let glue harden.

2) Drill as shown on sketch two holes in each bracket in such a way that the bolts to be inserted in the holes go through the stiffener. Place washers both under bolt head and under nut and tighten nuts.

Required screws, nuts, washers, and the Araldit glue will be furnished by manufacturer without charge.

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