

AEROPRAKT INFORMATION BULLETIN

INSPECTION AND REINFORCEMENT OF A-22L AIRPLANE STABILIZER SKIN.

IB A-22-10

MANDATORY

Repeating symbols:

Please, pay attention to the following symbols throughout this document marking important information.

- ▲ **WARNING:** Identifies an instruction, which if not followed may cause serious injury or even death.
- **CAUTION:** Denotes an instruction, which if not followed, may cause severe damage.
- ◆ **NOTE:** Information useful for better handling.

1) Planning information

1.1) Aircraft affected

Aeroprakt-22 aircraft serial No. from 95 to 282.

1.2) Reason

It was found out that the probable reason of stabilizer skin cracking in the vicinity of the opening for the trim tab control cable was caused by the fatigue damage due to intensive operation of the aircraft.

1.3) Subject

Stabilizer skin.

1.4) Compliance

Inspection of the stabilizer skin before and after the flight.

1.5) Approval

The technical content of this Information Bulletin has been approved by Aeroprakt.

1.6) Manpower

Estimated man-hours:

Work per p. 3.1.2 and p. 3.1.3 is carried out within 1-1,5 hour.

1.7) Mass data

Mass change is insignificant.

1.8) Other publications affected

None

1.9) Spare parts

Spare parts are supplied upon request of aircraft owner.

2) Parts information

2.1) Parts cost

The reinforcing part is free on condition of customer paying for its delivery.

2.2) Special tooling / materials

No tools are required for the inspection.

Tools for repair: Ø2.5 drills, power drill, primer, pop-riveter.

3) Accomplishment / Instructions

3.1) Instructions

3.1.1) Inspection

Stabilizer inspection for the cracks may be performed without removing it from the aircraft.

If cracks are found the repair must be carried out according to p. 3.1.2, if no cracks are found the structure must be reinforced according to p. 3.1.3.

◆ **NOTE:** Inspection must be performed with good lighting.

3.1.2) Repair

1. Drill the crack ends using Ø2.5 drill and de-burr the hole edges.
2. Put the doubler (1) over the stabilizer skin and pre-drill it with Ø2.5 drill.
3. Remove the doubler and remove the metal chips.
4. Cover the doubler with primer.
5. Fix the doubler with 28 Ø2.4 × 6 pop-rivets (2).

3.1.3) Reinforcement

1. Put the doubler (1) over the stabilizer skin and pre-drill it with Ø2.5 drill.
2. Remove the doubler and remove the metal chips.
3. Cover the doubler with primer.
4. Fix the doubler with 28 Ø2.4 × 6 pop-rivets (2).

4) **Appendix:**
Drawing of the reinforcement.

