

**Subject:**

IKARUS C42 and C42B: Elevator bearing block.

**Affected:**

All IKARUS C42 and C42B with an aluminium elevator bearing block.

**Reason:**

Cracks have been discovered in the elevator bearing blocks of two IKARUS C42B aircraft.

**Action:**

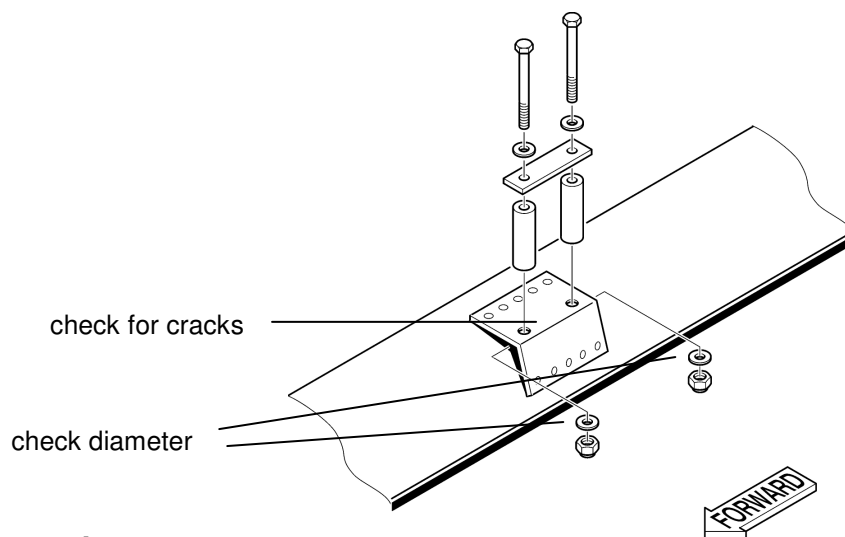
1. Carry out a visual inspection of the elevator bearing block for cracks in the area of the crease. If cracks are found, replace the elevator bearing block.
2. Check the diameter of the washer (2/3 inch or 1/2 inch) under the elevator bearing block. If the washer's diameter is less than 17 mm (2/3 inch): remove the polyamide limit spacers and carry out a visual inspection of the area around the screw-holes for cracks. Replace the washers with V2A "body washers". If cracks are found, replace the elevator bearing block.
3. Include the inspection for cracks in the vicinity of the crease in the normal 50 hour inspection.

**Compliance:**

Before the next flight

**Mass and balance:**

Not affected

**Accomplishment instructions:**

If the attachment screws of the polyamide limit spacers are removed, they must be replaced by new M6 stop nuts.

Torque: approx. 13 - 15 Nm.

The work may be carried out by a qualified person.

Should the above-mentioned defect occur, the airworthiness of the aircraft is so badly affected that it may only be operated once the appropriate action has been properly undertaken.