

MANDATORY SERVICE BULLETIN Z 50M/07a

(this Service Bulletin is safety related)

1. **MODELS AFFECTED:** All Z 50M airplanes.
2. **SUBJECT:**
 - a) Sporadic occurrence of fatigue fracture in the eye thread shank of stabilizer left strut lower hinge.
 - b) Cracks occurrence on the skin of stabilizer left strut at rear upper hinge.
3. **CORRECTION:**
 - a) S/N 0053, 0059 and 0060: Replace the installed lower hinge eyes of the stabilizer left and right struts (without ball bearing) by new ones with bearing.
S/N 0078, 0079 and 0080: Perform check of the eye thread area of lower hinge on the stabilizer left and right strut.
 - b) Check stabilizer struts on each Z 50M airplane. Repeat this check at each 25 hour inspection. In case of cracks occurrence, replace the struts by new ones.
4. **TIME OF COMPLIANCE:** Immediately upon receipt of this bulletin.
5. **CORRECTION PERFORMED BY:** Operator.
6. **EXPENSES COVERED BY:**
 - a) Dismounting and installation covered by the operator, material by the manufacturer.
 - b) Operator.
7. **NECESSARY MATERIAL:**
 - a) S/N 0053, 0059 and 0060 airplanes: New eyes drwg. No.: 150.0.311.003 (with ball bearing) will be sent on request free of charge.
S/N 0078, 0079 and 0080 airplanes: In case the cracks will occur at the eye thread shank, the operator is requested to inform the manufacturer. The manufacturer will send new eyes free of charge.
 - b) New struts drwg. No.: 150.0.311.000 are to be ordered by the operator at the manufacturer.

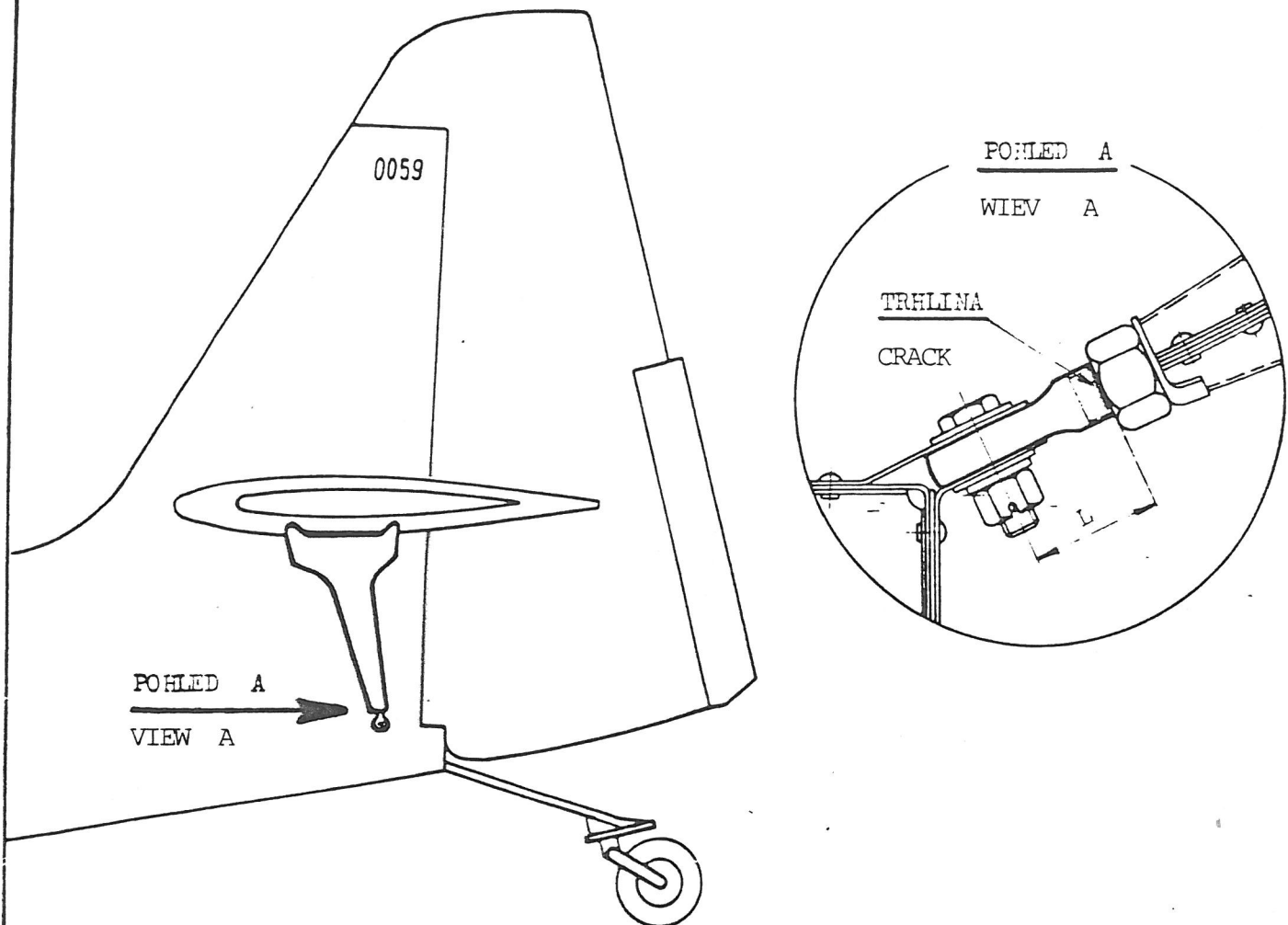
8. PROCEDURE: a) According to Enclosure No.: 1
 b) According to Enclosure No.: 2
9. THE BULLETIN COMES IN FORCE WITHIN 30 DAYS AFTER APPROVAL
 BY THE CIVIL AVIATION INSPECTORATE OF THE CZECH REPUBLIC.
10. ENCLOSURES: a) Enclosure No.: 1: Check of strut lower
 hinge eye.
 b) Enclosure No.: 2: Strut check.

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Manufacturer's Representative

Ing. Milan Vyhnálek
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CAI Representative

15.6.1995
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Date of CAI approval

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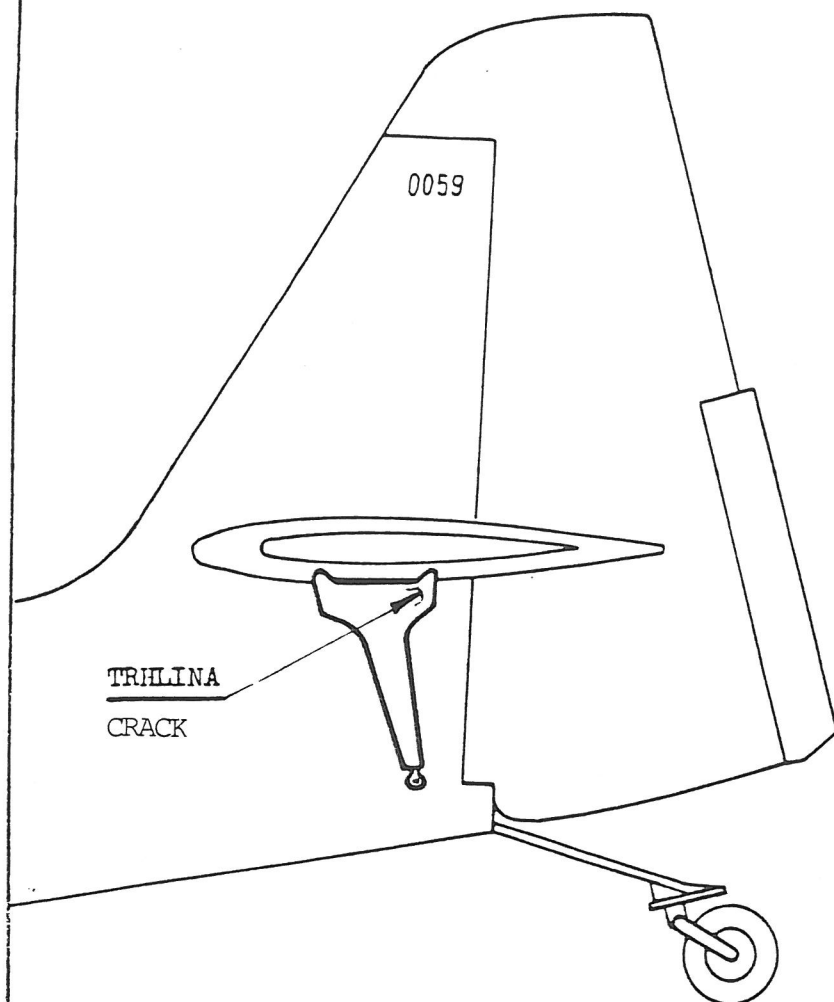


Check of the strut lower hinge eye
(Valid for S/N 0078, 0079, 0080)

1. Disconnect the lower strut end from the hinge on fuselage.
2. Screw off the strut eye.
3. Check by non-destructive defectoscopic method the eye thread shank for cracks - place of possible crack occurrence, see view "A".
4. Screw the eye without crack to the strut, the cracked eye must be replaced.
5. Connect the strut with fuselage hinge.

Recommendation: Before screwing off the eye from strut, measure the dimension "L" (see "view A"), the distance must be kept during re-installation as the rigging of tail unit must not be changed. In case of any doubts perform the new rigging!

This recommendation is valid for eye replacement at airplanes S/N 0053, 0059 and 0060.



Left and right stabilizer strut check

1. Check visually, by means of magnifying glass, the cracks occurrence in the strut skin at marked area (see figure) - pay increased attention to the left-side strut.
2. In case the skin is cracked, the strut must be replaced by new one.
Note: The ferry-flight in category "N" to the authorized repair station is permitted.
3. After the strut replacement the rigging of tail unit must be performed.