

MANDATORY SERVICE BULLETIN Z 50/36a, Z 50M/06a

1. **MODELS AFFECTED:** All the Z 50LA, Z 50LS, Z 50LX, Z 50M aircraft.
2. **SUBJECT:** Cracks on welded fitting/lever of rudder balance tab.
3. **CORRECTION:**
 - 3.1. Reinforce the lever by welding on the stiffeners.
 - 3.2. Levers on the balance tabs of the rudder and the elevator shall be checked at pre-flight inspection and at airframe inspection, as stated in appropriate technical manuals.
4. **TIME OF COMPLIANCE:** Immediately after receipt of this Bulletin.
5. **CORRECTION PERFORMED BY:** The user or the manufacturer.
6. **EXPENSES COVERED BY:** The user. If performed by the manufacturer, it is free of charge.
7. **NECESSARY MATERIAL:** Will be delivered by the manufacturer free of charge - by request.
8. **PROCEDURE:** See Enclosure No.1.
9. **THE BULLETIN COMES IN FORCE WITHIN 30 DAYS AFTER APPROVAL BY THE CIVIL AVIATION INSPECTORATE OF THE CR.**
10. **ENCLOSURES:**
 - 10.1. Procedure
 - 10.2. Figures
 - 10.3. New pages of the Z 50LA, Z 50LS, Z 50LX, Z 50M Technical description and maintenance manual
 - 10.4. New pages of the Z 50LA, Z 50LS, Z 50LX, Z 50M Flight manual

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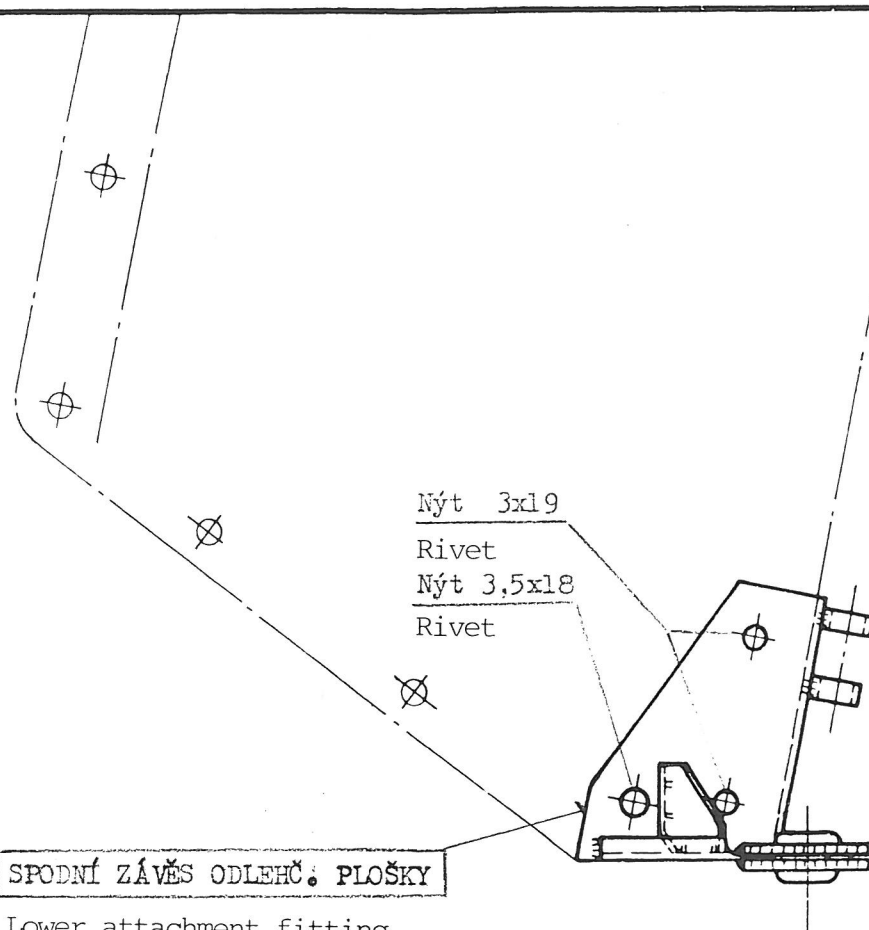
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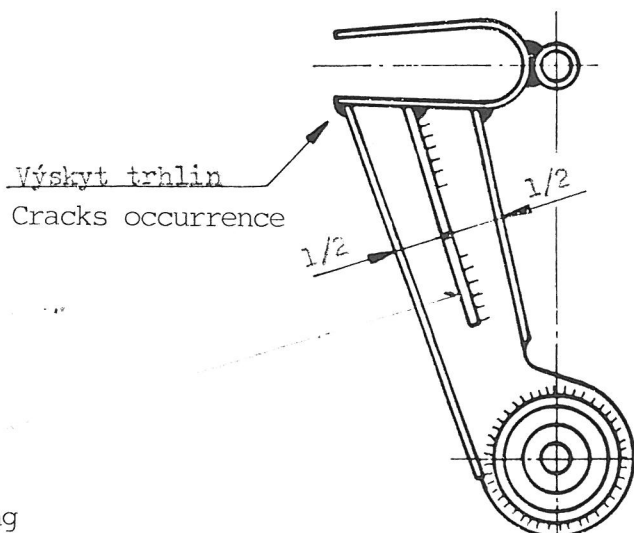
ENCLOSURE No.1

P r o c e d u r e :

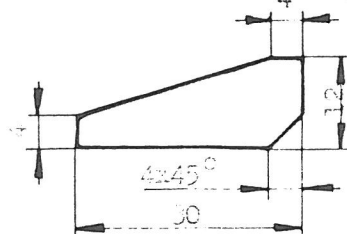
1. Prepare the reinforcing in accordance with the Enclosure No. 2 (or order it from the manufacturer).
2. Release the control rod of the rudder balance tab.
3. Remove the balance tab.
4. Drill-out 3 pcs of rivets and then remove the lower attachment fitting with lever.
5. Using the magnifier check visually for cracks. In case of any doubt, use another applicable NDT method.
6. Remove coating and cadmium layer from the attachment fitting areas that are to be welded.
7. Weld on the reinforcing with "TIG" welding method in accordance with the Enclosure No.2.
8. Grind-off cracks - if any - and repair the original weld.
9. After welds are cleaned and degreased, renew the surface protective coating (primer+varnish).
10. Set the attachment fitting on the balance tab to fit with the original holes for rivets.
11. Re-drill the original holes - front $\varnothing$ 3.1 mm (2x)
rear $\varnothing$ 3.6 mm (1x).
12. Rivet 2x the rivet 3x19 and 1x the rivet 3.5x18. Paint-out rivet heads.
13. Check the bearing on the lever for free movement.
14. Mount the balance tab on the rudder.
15. Connect the control rod of the balance tab.
16. Check balance tab control for proper function.
17. Enter compliance with this Bulletin into the Airplane LogBook.



Lower attachment fitting
of the balance tab



V Ý Z T U H A Reinforcing
Materiál: L-CM3.33, plech 1mm
Material: L-CM3.33, sheet 1 mm



Svar TIG - použít wolframovou elektrodu
a přídavný materiál Böhler
DCMS-IG $\varnothing 1,6$

"TIG" welding - use the tungsten electrode
and the additional material "BÖHLER
DCMS-IG" $\varnothing 1.6$