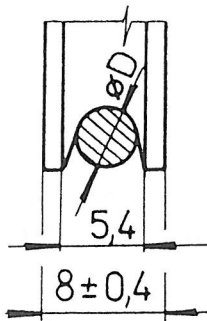
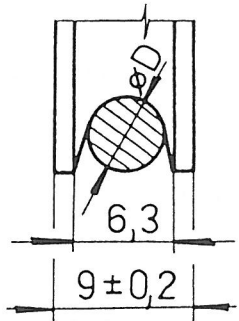


MANDATORY SERVICE BULLETIN Z 50/39a, Z 50M/11a

Supersedes Mandatory Service Bulletins Z 50/28 and Z 50/30

Engineering Aspects are
Czech CAA Approved

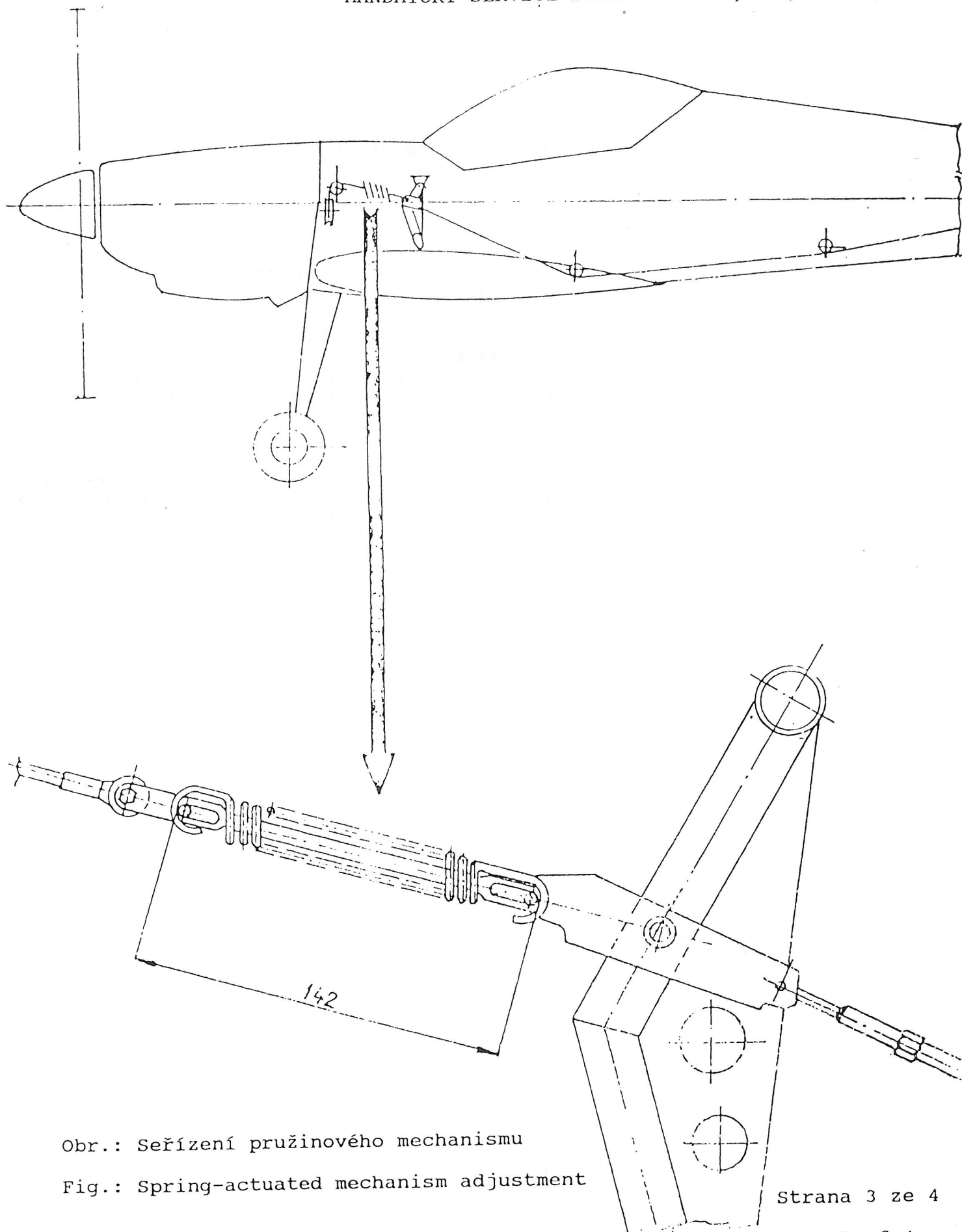
1. DATE: May 25th, 1997
2. MODELS AFFECTED: All Z 50LA, Z 50LS, Z 50LE, Z 50LX and Z 50M aircraft.
3. SUBJECT: Possibility of the rudder control cables failure during the operation.
4. CORRECTION:
 1. Check of the rudder control pulleys.
 2. Periodical check of the rudder control cables.
 3. Revision in the Maintenance Manual prescribed by the Mandatory Bulletin Z 50/30 remains in force.
5. TIME OF COMPLIANCE: Correction 1. before next flight.
Correction 2. at each 25-hour inspection
6. CORRECTION PERFORMED AND EXPENSES COVERED BY: The Operator of aircraft.
7. PROCEDURE: Before next flight check whether pulleys appropriate to the rudder control cables guidance are installed on the aircraft. The following Table shows the allowable combinations of the pulley with the cable for given aircraft types.

Aircraft type	Z 50LA	Z 50LS, Z 50LX, Z 50LE, Z 50M
Rudder control cable	Drwg. No. 150.0.422.001	Drwg.No.153.0.422.001E marking with yellow colour on terminations
Pulley of rudder control cable guidance	Drwg. No. Z 37.4239-01	Drwg. No. 153.0.422.012
Check dimmmensions of pulley [mm]	 <p>D = 4 mm</p>	 <p>D = 5 mm</p>
Note:		Applicable also to Z 50LA aircraft at which the rudder control was converted from Z 50LA to Z 50LS

Check proper dimension of the pulley by inserting the pin of diameter in accordance with the Table above.

When checking a condition of the rudder control cables at each 25-hour inspection, direct your attention at a point of touch with pulleys. If any damage is detected, replace immediately cables according to the procedure as follows:

Release the turnbuckle of cables on the pedals, rotating the turnbuckle slacken the cable tension, release and remove the pin connecting the cable with the turnbuckle. Unclock pins of pulleys in the fuselage, release pulleys and draw out the cable inwards the fuselage rear part. Release the ground



Obr.: Seřízení pružinového mechanismu

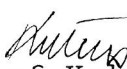
Fig.: Spring-actuated mechanism adjustment

strap of cables at the fuselage last bulkhead, unlock and remove the pin connecting the cable with the rudder.

The assembly is to be carried out by the reverse procedure.

Stretching the cables after assembly should be performed by means of turnbuckles and checked on the spring of cables in the fuselage front part. If adjusted properly, the spring is stretched to the length of 142 mm - measured between eyes (See Fig.). Adjustment is to be checked with the dynamometer - prestressing 440 ± 50 N.

8. NECESSARY MATERIAL: If needed, it will be delivered on the basis of the order by Moravan, Inc. according to the Table in sect. 7 of this Bulletin.


Josef Kolář

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Manufacturer's
Representative

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