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JSC "Sportinė aviacija"
General Director
S. Skalskis
19 09 2005

Service Bulletin No. 017A.5.52.005 A

Inspection of the rudder control cable in pedals joint zone

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2005

Record of revisions

Revision No.	Date	Affected pages	Revised Section No.

1. Subject: Inspection of the rudder control cable in pedals joint zone after every 100 flight hours.

The copies of the service bulletin No. 017A.5.52.005 A are sent to:

1. Civil Aviation Administration of the Lithuanian Republic (CAA) – 1 copy;
2. EASA RP for LAK-17A, LBA, Germany - 1 copy;
3. Aviation authorities of countries, which issued Type Certificates for the LAK-17A - 1 copy;
4. For the known owners of LAK-17A or administration of organizations (clubs) having LAK-17A gliders – 1 copy.

2. Affected:

Type: LAK-17A
Manufacture: AB "Sportinė Aviacija", Pociūnai, LT-59327 Prienai, Lithuania.

Serial numbers affected: Serial numbers from 101 to 141 inclusive.

Original type certificate: TC Nr.03 issued by Directorate of Civil Aviation of the Republic of Lithuania, following EASA Type Certificate EASA. A. 012.

3. Reason: Broken strands in the area where the cables pass through the "S" tubes on the rudder pedals of glider LAK-17A S/N 117. Gliders LAK-17A from serial N^{o} 101 to N^{o} 141 inclusive heve no plastic tube ¼" PT23004NA WEAHERHEAD in the "S" tubes on the rudder pedals (see draft N^{o} 2).

4. Time of compliance: This service bulletin must be accomplished immediately after receiving it.

5. Actions: On finding the broken strands in the area where the cables pass through the "S" tubes on the rudder pedale you must:

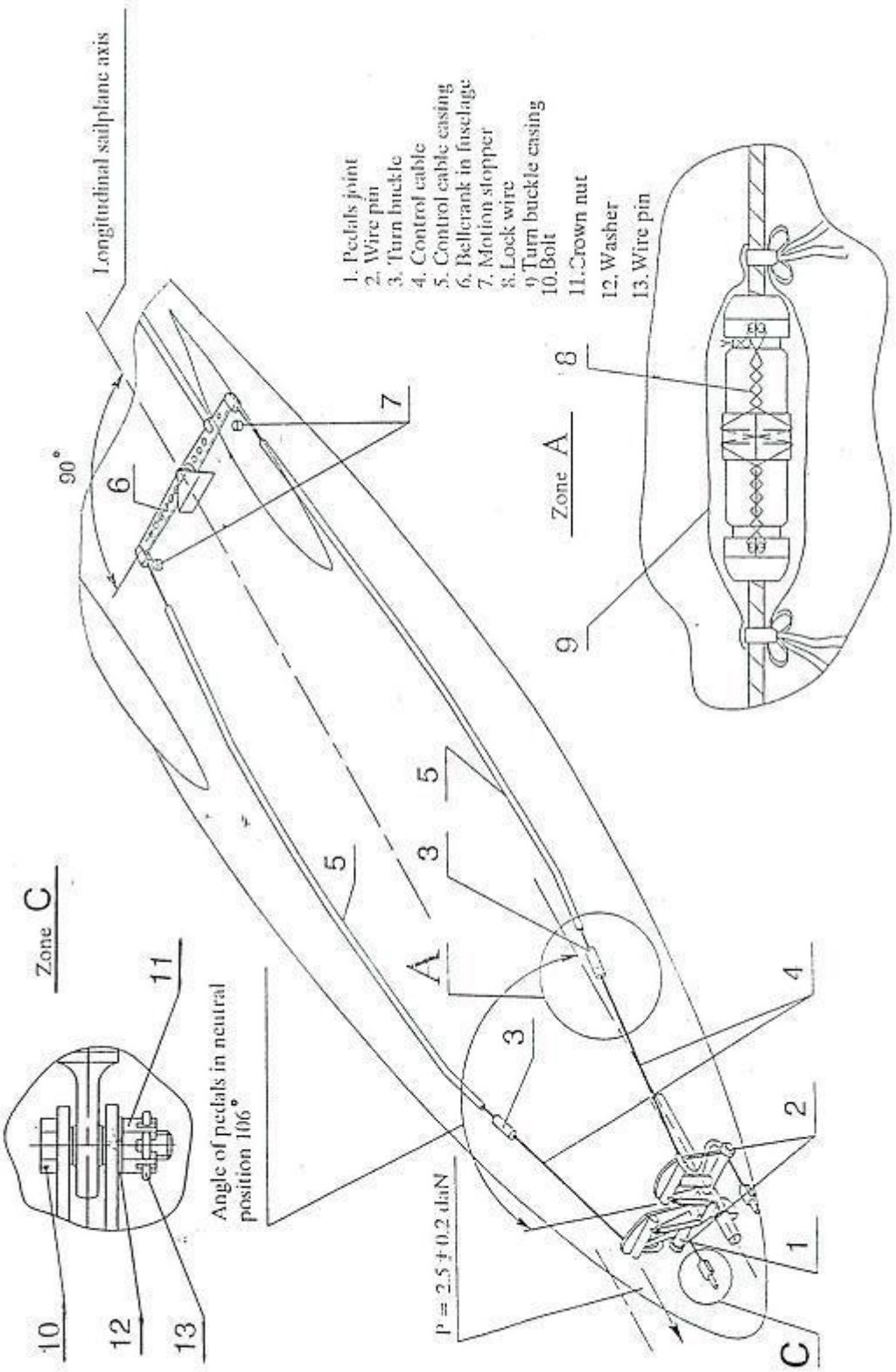
5.1 To dismantl turn buckle pos. 3 (see Sketch N^{o} 1).
5.2 To dismantl damaged control cables pos. 4 (see Sketch N^{o} 1 Zone C).
5.3 To mount 2 plastic tubes ¼" PT23004NA WEAHERHEAD l=270mm in the "S" tubes on the rudder pedals according Sketch N^{o} 2.
5.4 To press nicopress stop sleeves 871-18-J on the control cables LAK-17 52 00 04 00 SB according Sketch N^{o} 3 after mounting control cables in the plastic tubes and with part LAK-17 52 00 00 04.
5.5 To mount and join control cables LAK-17 52 00 04 00 SB according Sketch N^{o} 1 Zone C.
5.6 To join control cables LAK-17 52 00 04 00 SB with pressed nicopress stop sleeves 871-18-J with turn buckle pos. 3 and secured by lock wire according Sketch N^{o} 1.
5.7 Replace " Maintenance manual for the LAK-17A sailplane" (Issue N^{o}2) page 5/3 (section 5) with the new reviced page, update list at effective pages and list at revision.

6. Mass and balance: The described actions do not affect C.G of the glider.

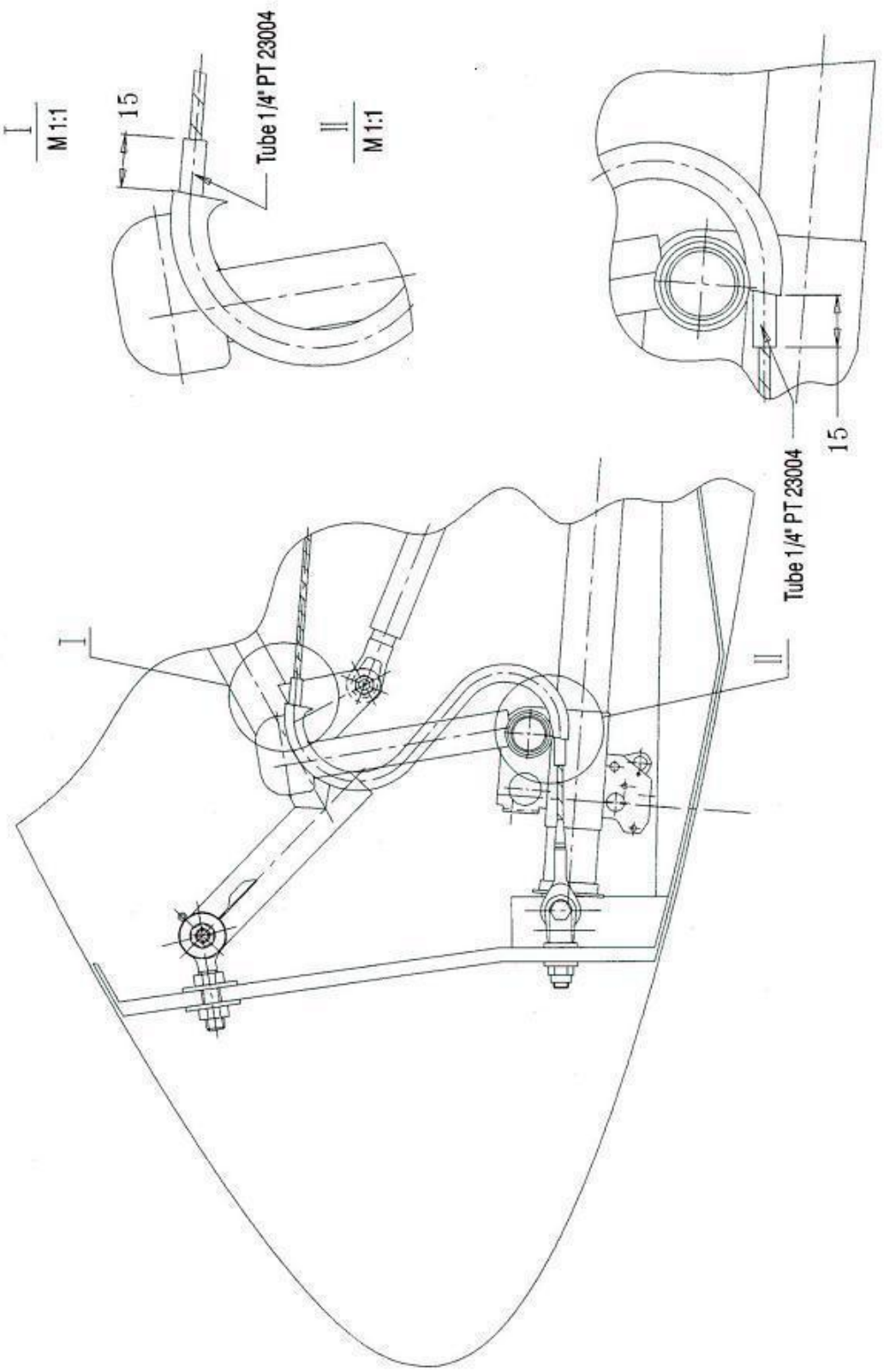
7. Documentation and materials:

7.1 "Maintenance manual for the LAK-17A sailplane" (Issue N^{o} 2).
7.2 Control cable LAK-17 52 00 04 00 SB pos. 4 (see Sketch N^{o}1) 2
7.3 Nicopress stop sleeves 871-18-J 2
7.4 Tubes ¼" PT 23004NA WEAHERHEAD l=270 mm 2

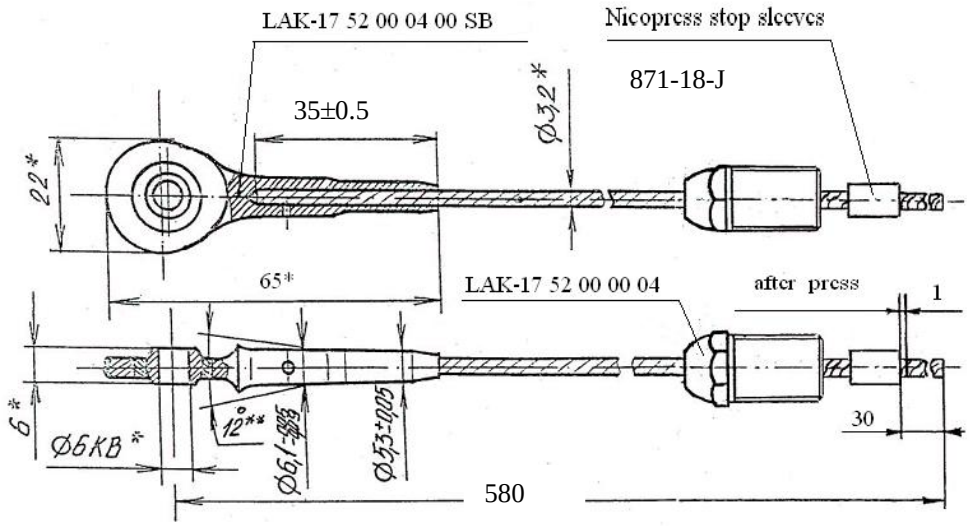
8. Accomplishment and log entry: This service bulletin has to be made by sertified person. The compliance of this service bulletin must be checked and entered in the glider's logbook following the operator's national regulations.


Longitudinal sailplane axis
90°
1. Pedals joint
2. Wire pin
3. Turn buckle
4. Control cable
5. Control cable casing
6. Bellcrank in fuselage
7. Motion stopper
8. Lock wire
9. Turn buckle casing
10. Bolt
11. Crown nut
12. Washer
13. Wire pin
Zone A
Zone C
Angle of pedals in neutral position 106°
P = 2.5 ± 0.2 daN

Sketch No 1



Sketch No 2


LAK-17 52 00 04 00 SB
Nicopress stop sleeves
871-18-J
35±0.5
Ø32*
22*
65*
LAK-17 52 00 00 04
after press
1
30
6*
Ø6KB*
12°**
Ø61-0.05
Ø53±0.05
580

Sketch No 3

Inspection after every 100 flight hours Date.....

No	Checking	Conformity Yes/No	Signature
314	Elevator automatic conection unit on the top of the fin		
315	Water ballast control system		
316	Condition of external surfaces of accessible metal parts (corrosion)		
317	Check for foreign objects inside of a fuselage.		
318			
319			
320			
321			
400	**Horizontal tail**		
401	Surfaces of horizontal tail (paint, cracks) condition		
402	Defects of skin (cracks, holes, etc)		
403	Bonding areas		
404	Elevator root ribs		
405	Stabilizer hubs		
406	Elevator, its hinges, pins, clearances of the elevator, control connections		
	Elevator and stabilizer connection state		
500	**Rudder**		
501	Surfaces of rudder (paint, cracks) condition		
502	Defects of skin (cracks, holes, etc)		
503	Bonded areas		
504	Rudder, its hinges, pins, clearances of the rudder, control connections		
505			
600	**Landing gear**		
601	Stands, shock absorbers, gas-spring and control system state		
602	Main wheel (pressure in wheel tire, cracks, corrosion)		
603	Main wheel retracting and releasing mechanisms, special attention for		
	inspection bellcrank (pos.3 Fig 2-11 Landing gear control)		
604	Landing gear brake		
605	Tail wheel (pressure in wheel tire, cracks)		
700	**Control systems**		
701	Elevator control system (movement, friction, clearances, fixings)		
702	Ailerons control system (movement, friction, clearances, fixings)		
703	Flaps control system (movement, friction, clearances, fixings)		
704	Airbrakes control system (movement, friction, clearances, fixings)		
705	Rudder control system (mowing, friction, clearances, fixings), special attention for inspection control cables in zone pedals joint (pos.4 Fig2-8a Rudder control)		
706	Pedals adjust system		
707	Trimmer control system operation		
708	Tow release control system (movement, friction, clearances, attachments)		
709	Attachment of cockpit canopy and its emergency jettison system operation		
710	Canopy ventilation control system		
711	Water ballast control system operation		