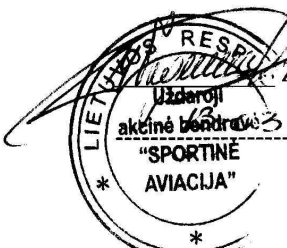


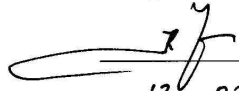
JSC "Sportinė aviacija"
General Director

 Z. Vegelevičius
13.03.2008

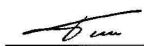
Information bulletin No. 017AT. 8. 77.005 I

Transponder installation


JSC "Sportinė aviacija"
Design Director

 K. Juočas
13.03.2008

JSC "Sportinė aviacija"
Service engineer

 K. Gečas
3.03.2008

JSC "Sportinė aviacija"
Engineer - constructor

 A. Liuberskis
3.03.2008

2008

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1. Subject: Installation of transponder.

The copies of the information bulletin **No. 017AT.8 77.005 I** are sent to:

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

2. Affected:

Type: LAK-17AT

Manufacture: UAB "Sportinė Aviacija", Pociūnai, LT-59327, Prienai, Lithuania.

Serial numbers affected: According requirements aviation authorities of countries.

Original type certificate: EASA Type Certificate A.083 (21 April 2006).

3. Reason: Requirements of safety.

4. Time of Compliance: This bulletin for information.

5. Actions: For the installation transponder you must:

5.1 to mount the transponder: (one of following types: **Garrecht Mode S transponder VT01, transponder TRT800, transponder Microair T2000 SFL or transponder Flarm ECW100**) in to instrument panel's free place (see sketch LAK-17 AT 77 00 00 00 M and Fig.1). Standard instrument fixing by 4 bolts M4, to drill 4 holes Ø4.3 mm for bolts and hole Ø57.5 mm for transponder in the front of instrument panel. The transponder's dislocation place can be selected free, but you must to keep the necessary distance from the Magnetic Compass according it technical documentation.

5.2 to install the antenna cable on the right side of fuselage shell according (see sketch LAK-17 AT 77 00 00 00 M):

To install antenna's cable into completed sailplane you need thread the cable into plastic hose from the instrument panel by another cables side. To drill hole Ø5.5mm in frame LAK-17A 50 00 10 00 SB and thread cable in to it. After you need to put the cable under the floor LAK-17A 01 03 00 30 SB (see sketch LAK-17 AT 77 00 00 00 M).

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To drill holes $\varnothing 5.5\text{mm}$ in skew frame No. 1 and skew frame No. 2 (see sketches LAK-17 AT 77 00 00 00 M). The diameter of holes specify according cable's diameter. And drive the cable by the inner surface of the right side fuselage's shell. There's necessary to fix antenna's cable on the right side of fuselage's shell between frames No. 1 and No. 2 by 1 layer of 92110 by intervals 190-200 mm (see sketch LAK-17 AT 77 00 00 00 M). The installed cable mustn't to hang or impede moving bell cranks and rods.

- 5.3 to mount the transponder antenna on to outside surface of the fuselage right shell according: (see sketch LAK-17 AT 77 00 00 00 M). The antenna's dislocation place can't be determinate wanton to warrant the best functioning of the system and prevent antenna's injury during landing or transportation.

Before mounting the transponder antenna into completed sailplane your need take off landing gear cover LAK-17A 10 00 00 08 and engine firewall LAK-17AT 66 00 01 00 SB (see sketches LAK-17AT 66 00 01 00, LAK-17AT 66 00 01 00 SB) to get the antenna's installation place. After mounting you must to put on it again to appropriate place.

On the fuselage shell it's necessary line the aluminum foil in antenna's fixing area (see sketch LAK-17 AT 77 00 00 00 M).

- 5.4 to make all necessary connections and inspect installed system functioning according transponder's technical documentation and “Maintenance manual for the self-sustaining powered sailplane LAK-17AT”.

- 5.5 after you execute p.p. 5.1-5.4 you need to do test flight according Luftfahrt-Bundesamt Division T4 document § 22.1301 and Flight Manual for self-sustaining powered sailplane LAK-17AT.

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 self-sustaining powered sailplane LAK-17AT”.

- 7.2 “Flight Manual for the self-sustaining powered sailplane LAK-17AT”.

- 7.3 Luftfahrt-Bundesamt Division T4 documentation.

- 7.3 Transponder (one of types: **Garrecht Mode S transponder VT01, transponder TRT800 or transponder Microair T2000 SFL or transponder Flarm ECW100**) or another analogical certificated one) and it technical documentation.

- 7.3 Antenna's cable RG400 30000-400-00 Habla Cable 2004 M-36 15917S, or analogical one (4 meter).

- 7.4 Antenna ANTENNA-DME TRANSPONDER CI105 TSO C66b, C74c, DO-160C, or another analogical certificated one and it's technical documentation.

- 7.5 Drafts and sketches:

-LAK-17 AT 77 00 00 00 M

-Fig.1

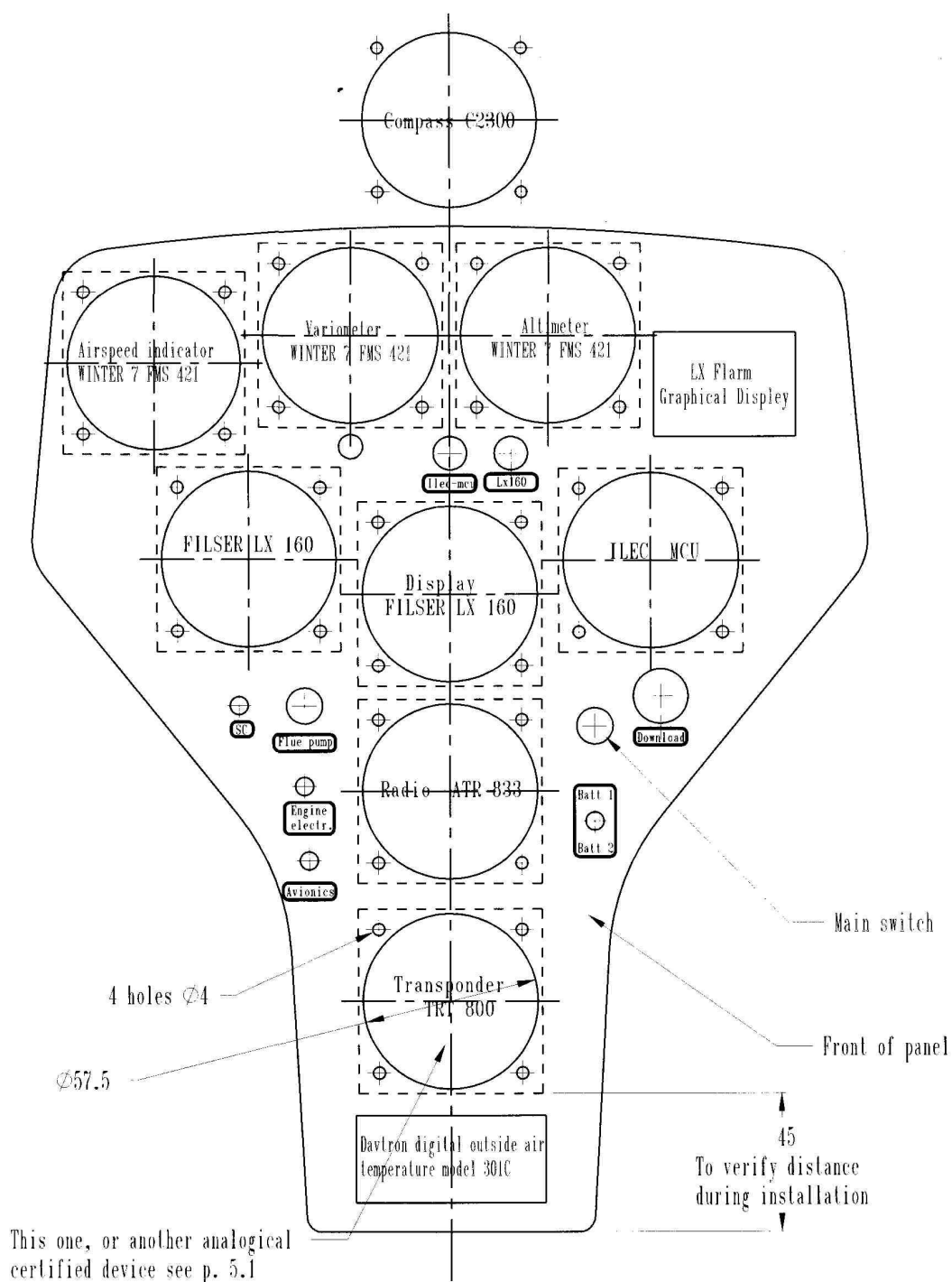
-LAK-17 AT 66 00 00 00

-LAK-17 AT 66 00 00 00 SB

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8. Accomplishment and log entry:

This information has to be made by certified person. The compliance of this service bulletin must be checked and entered in the glider’s logbook following the operator’s national regulations.



Installation of the transponder in to sailpane's
LAK-17AT instrument panel (SN 196 variant 1)

Fig. 1

Format	Zone	Position	MARKING	NAME	Quantity	Notes
				<i>Documentaion</i>		
A1			LAK-17AT 66 00 00 00 SB	Assembling sketch		
				<i>Assembling ones</i>		
A3	1		LAK-17AT 66 00 01 00 SB	Firewall	1	
				<i>Details</i>		
A4	2		LAK-17AT 66 00 00 01	Cover	1	
A4	3		LAK-17AT 66 00 00 02	Side arm	2	
A4	4		LAK-17AT 66 00 00 03	Rear profile angle	1	
A4	5		LAK-17AT 66 00 00 04	Front profile angle	2	
A4	10		LAK-17AT 66 00 00 05	Left rib	1	
A4	11		LAK-17AT 66 00 00 05-01	Right rib	1	
				<i>Standartinės detalės</i>		
	7			Screw DIN 7985 -4,8 Znp AM 4 x10	14	
	8			Nut 3381A - 4 (LN 29 679 AM 4)	10	
	9			Rivet DIN 7337B 3 x8	30	

New	2188 - K	V.Vilkas	07.02
Ch. Page	Dokument. No.	Signature	Date
Created	V.Vilkas	<i>[Signature]</i>	
Checked	J.Armonaitis	<i>[Signature]</i>	
N.contr.	D.Juočiienė		
Approved	K.Juočas	<i>[Signature]</i>	

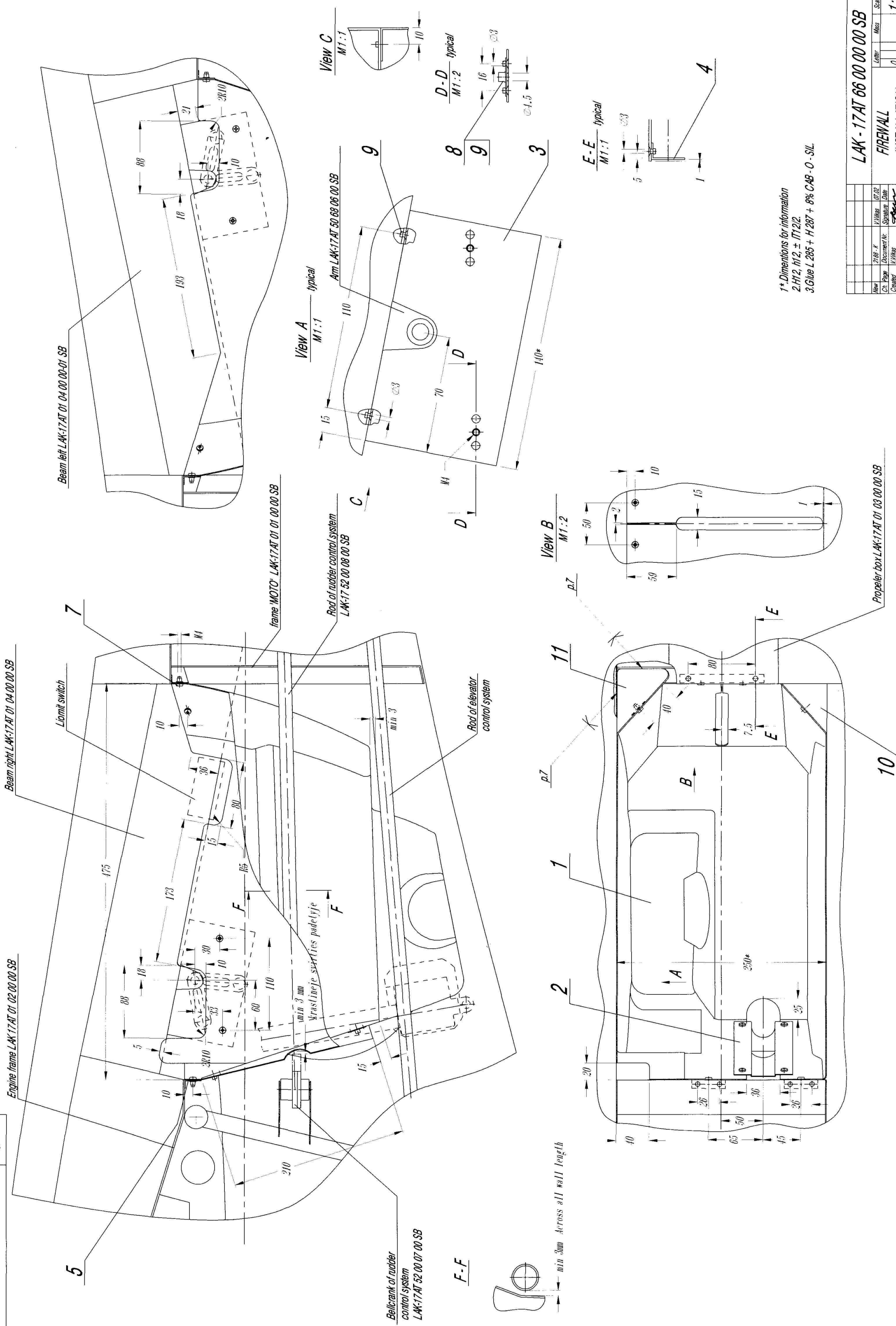
LAK-17AT 66 00 00 00

FIREWALL
INSTALLATION

Letter	Page	Pages
o	8	9

AB "SPORTINĖ AVIACIJA"

Format A4



1*Dimensions for information
2.H12, h12, ± IT12/2.
3.Glue L 285 + H 287 + 8% CAB - O - SIL.

LAK - 17AT 66 00 00 00 SB			
FIREWALL			
INSTALLATION			
New	2708 - K	V/Vikas	10/02
Ch. Page	Document No.	Signature	Date
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Approved	L. Aronovs	<i>[Signature]</i>	
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