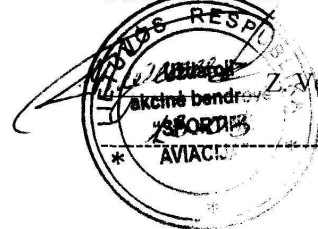



JSC "Sportinė aviacija"  
General Director

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-----2008


Information bulletin No. 017A. 8. 77.010 I

### Transponder installation


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**1. Subject:** Installation of transponder.

The copies of the information bulletin **No. 017A.8 77.011 I** 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 the LAK-17A or administration of organizations (clubs) having LAK-17A gliders – 1 copy.

**2. Affected:**

**Type:** LAK-17A

**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. To put the cable under the floor LAK-17A 01 03 00 30 SB (see sketch LAK-17 AT 77 00 00 00 M). To drill holes Ø5.5mm 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

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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 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 sailplane LAK-17A”.

- 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 sailplane LAK-17A.

## **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 sailplane LAK-17A”.

7.2 “Flight Manual for the sailplane LAK-17A”.

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

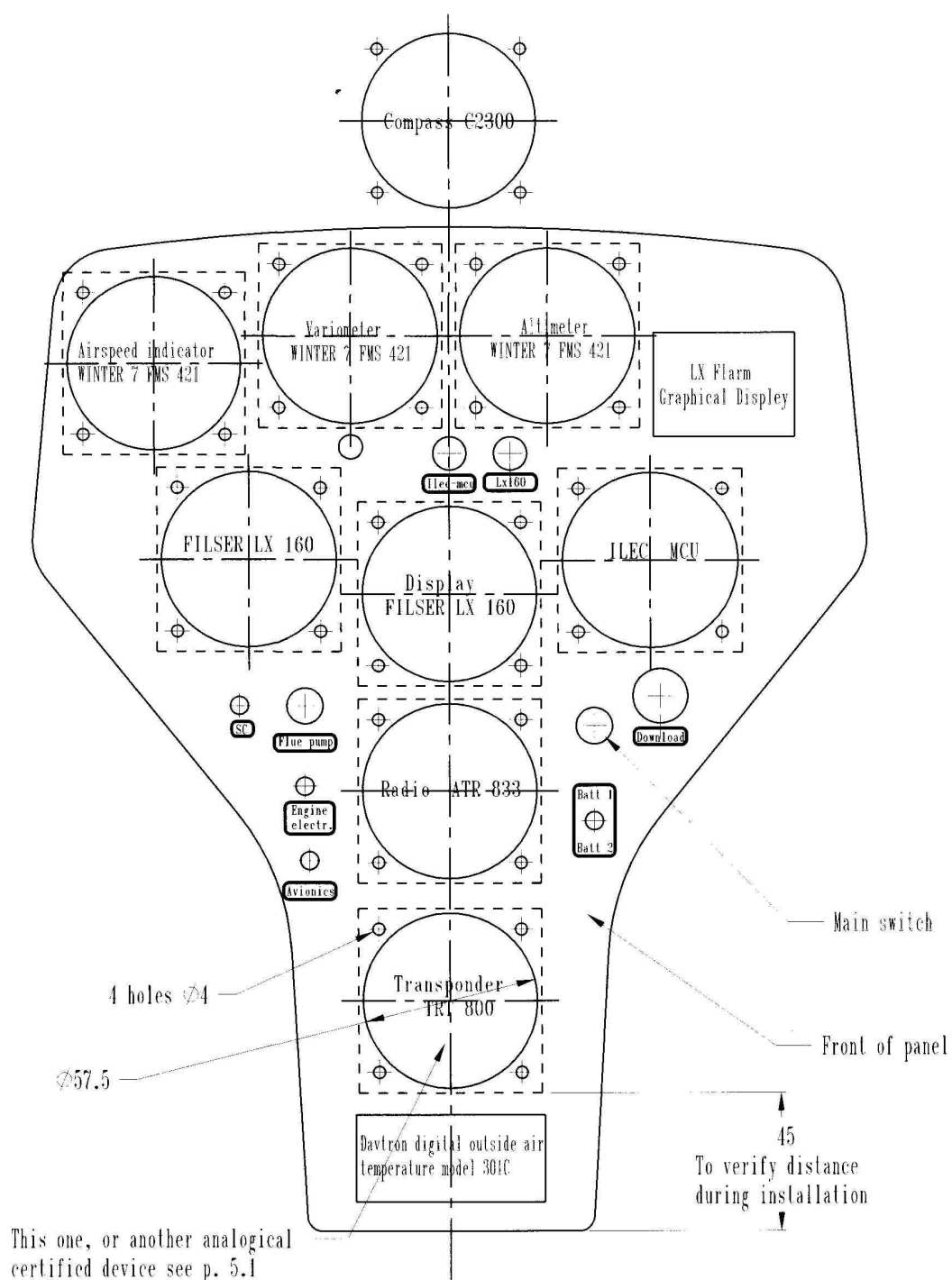
-Fig.1

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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