
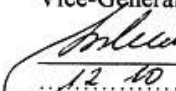
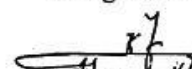
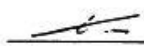


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<p style="text-align: right;">JSC "Sportinė aviacija" General Director 15.....10..... 2004 S. Skalskis</p> <p style="text-align: center;">Service Bulletin No. 019.4.00.002</p> <p style="text-align: center;">Issue of a new Revision No.6 of the Flight and Maintenance Manuals for the LAK-19 glider</p> <p style="text-align: right;">JSC "Sportinė aviacija" Vice-General Director 12.....10..... 2004 V. Sabeckis</p> <p style="text-align: right;">AB "Sportinė aviacija" Design Director 12.....10..... 2004 K. Juočas</p> <p style="text-align: right;">AB "Sportinė aviacija" Service engineer 12.....10..... 2004 K. Gečas</p> <p style="text-align: center;">2004</p>	

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Subject: (a) issue of the new LAK-19 Flight Manual, Revision No.6;
(b) issue of the new LAK-19 Maintenance Manual, Revision No.6.

The copies of the service bulletin No. 019.4.00.002 are sent to:

1. Civil Aviation Administration of the Lithuanian Republic (CAA) – 1 copy;
2. EASA RP for LAK-19, LBA, Germany - 1 copy;
3. Aviation authorities of countries, which issued Type Certificates for the LAK-19 - 1 copy;
4. For the known owners of LAK-19 or administration of organizations (clubs) having LAK-19 gliders – 1 copy.

2. Affected:

Type: LAK-19

Manufacture: AB “Sportinė Aviacija”, Pociūnai, LT-4340 Prienai, Lithuania.

Serial numbers affected: different actions for different serial numbers:
- 001 - not effected;
- 002 and 003 - all as per this bulletin, except paragraph 5.2.2 and paragraph 5.2.4;
- 004 and on - all as per this bulletin, except paragraph 5.2.1.

Original type certificate: TC Nr.15 issued by Directorate of Civil Aviation of the Republic of Lithuania.

3. Reason (a) reflect latest changes in a glider design, such as extra layer in a wings structure; removal of the production weights from the manuals; grammar changes in a text and etc;
(b) unification of the LBA and Lithuanian CAA approved manuals;

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

5. Actions

LAK-19 Sailplane Flight Manual

5.1 Replace the following pages of the LAK-19 Sailplane Flight Manual:

- page 0.1 - updated Record of revisions;
- page 0.3 - updated list of effective pages;
- page 1.3 - production weights removed;
- page 1.5 - new three view drawing including 18m winglets;
- page 2.5 - extra weights removed and WNLP corrected;
- pages 2.6; 2.7 - changed minimum equipment list;

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- page 2.8 - changed airspeed data and loading placard by removing empty weight;
- pages 4.3; 4.4; 4.5 - added check point for winglets and wing tips;
- page 4.6 - corrected list of pre-flight inspection;
- page 5.4 - updated gliding polar;
- page 6.3 - removed production center of gravity;
- page 6.5 - new warning; removed un-needed production data, corrected "empty mass center of gravity" chart providing data up to 255 kg;
- page 6.6 - grammar corrections in a text;
- page 6.7 - corrected C.G. calculation table by removing un-needed data;
- page 6.8 - removed production weights, WNLP corrected;
- page 6.10 - new page replacing page 6.14.
- pages 6.10...6.13 with the new pages 6.11...6.19 - new charts for determining fin water ballast amount providing data for the weights up to 255 kg;

Maintenance Manual for the LAK-19 sailplane:

5.2 Replace the following pages in a Maintenance Manual for the LAK-19 sailplane :

- 5.2.1 - list of effective pages for serial numbers 002 and 003;
 - record of revisions for serial numbers 002 and 003;
- 5.2.2 - list of effective pages for serial numbers 004 and on;
 - record of revisions for serial numbers 004 and on;
- 5.2.3
 - page 1/3 - removed production weights;
 - page 1/4 - new three view drawing with 18m winglets included;
 - page 2/1 - content;
 - page 2/2 - added description of the 18m winglets;
 - page 2/3 - some grammar corrections;
 - page 2/4 - aileron deflection data picture, elevator deflections table added;
 - page 2/5 - rudder deflection table added;
 - page 2/11 - text corrections ("interceptors" changed to "airbrakes");
 - page 2/49 - new air speed and loading placard;
 - page 3/2 - checking of the winglets or wingtips added;
 - page 3/4 - corrected instructions for wing tip/winglets installation;
 - page 3/5 - oil for greasing water ballast tank valves added;
 - page 3/6 - canopy jettison handle force corrected;
 - page 3/9 - main wheel tire pressure added;
 - page 3/10 - warning regarding hydraulic fluid is added;
 - page 3/11 - tail wheel tire pressure added;
 - page 5/4 - line 1005 added;
 - page 5/5 - p.4 added to annual inspection list;
 - page 6/1 - new lifetime limits provided;
 - page 7/1 - removed production data;
 - page 7/3 - grammar corrections;
 - page 7/4 - removed production data, WNLP corrected;
 - page 7/6 - grammar corrections, removed un-needed data;
 - pages 7/10...7/19 - corrected "empty center of gravity" and "fin water ballast charts" providing data for weight up to 255 kg;
 - page 8/1 - grammar changes;
 - page 8/2 - grammar changes;

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- page 8/3 - list of materials used updated;
- page 8/4 - text changes;

5.2.4 - replace page 8/5 - extra layer of the carbon fabric in a water ballast area.

5.3 Replace cockpit AIR SPEED DATA AND LOADING PLACARD with the new AIR SPEED DATA AND LOADING PLACARD conforming to the Manuals, Revision 6:

5.3.1 Remove from the glider AIR SPEED DATA AND LOADING PLACARD located in a cockpit by removing four rivets attaching placard to the glider’s structure.

5.3.2 At the same location install new AIR SPEED DATA AND LOADING PLACARD by attaching it to the glider’s structure by four blind self-plugging 2,4 mm diameter rivets of type DIN 7337-A2,4x6-Al-Leg.-bk-St-A1P or equivalent.

5.3.3 After work is complete, inspect cockpit for foreign objects.

6. Mass and balance

The described actions do not affect C.G of the glider.

7. Documentation and materials

New pages for “Sailplane Flight Manual for LAK-19”, Revision No.6 and “Maintenance Manual for the LAK-19 Sailplane”, Revision No.6; AIR SPEED DATA AND LOADING PLACARD has to be ordered directly from the manufacture - AB “Sportinė Aviacija”, Pociūnai, LT-4340 Prienai, Lithuania.

8. Accomplishment and log entry

The owner/operator of the glider can carry out the actions described in this Service Bulletin. The compliance of this service bulletin must be checked and entered in the glider’s logbook following the operator’s national regulations.