



ALLSTAR PZL GLIDER
 Sp. z o. o.
 ul. Cieszyńska 325,
 43-300 Bielsko-Biała, Poland
 techsupport@szd.com.pl
 www.szd.com.pl

SERVICE INFORMATION LETTER

DATE: June 11th, 2019 **SIL-004/SZD/2019**

SUBJECT: Wing-tips locking system on SZD-54-2 „Perkoz” sailplanes.

S/N AFFECTED: All S/N of SZD-54-2 „Perkoz”.

TIME OF COMPLIANCE: Before next flight.

NOTE

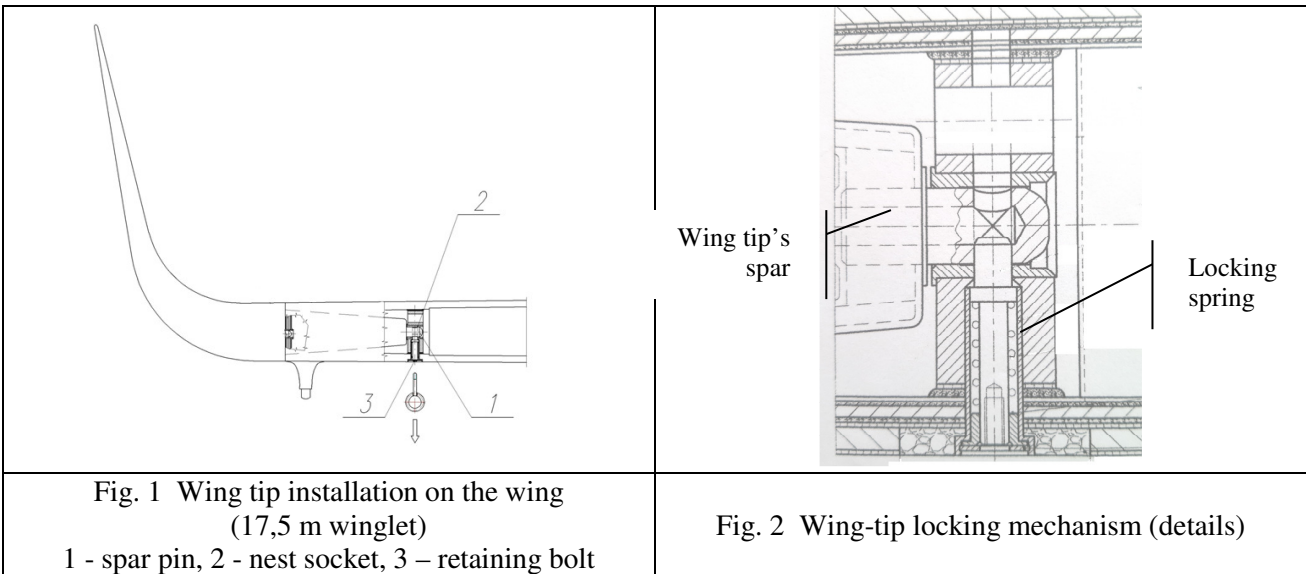
This SIL includes the important “flight-safety” information for Users of SZD-54-2 “Perkoz” sailplanes for which Allstar PZL Glider Sp. z o.o. remains the Type Certificate Holder.

1. BASEGROUND OF THE SIL:

On two sailplanes under exploitation some troubles with wing tip’s locking system have been reported. In some case it was possible to detach the wing tip from the wing without touching the locking mechanism.

It is suspected as the internal spring (see Fig. 2), probably squashed and deformed in result of forcible exploitation, may lose its features to keep the retaining / locking bolt engaged. During the flight or ground operations (vibrations, shaking), the locking bolt may have tendency to move down.

Such situation may lead to lose the wing tip, also in flight. The type of wing tip installed may have influence onto the connection.



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2. COMPLIANCE WITH THE SIL

Before the next flight the following actions are strongly recommended:

1. Check visually the wing tip's locking mechanisms on both wings for their smooth and proper operation, check bolt's protrusion from their nests, check for presence of retaining rings – refer also to the Chapter 2.2 of Technical Service Manual;
2. Dismount the locking mechanisms for visual inspection of locking bolts and – particularly – the condition of springs. The min. length of spring cannot be less as 25 mm;
3. Look for scratches onto retaining bolts (locking pins), the geometry of chamfers on top and condition (smoothness) of edges of cooperative openings in the metal fittings of wing tips;
4. Assembly the systems and perform ground check for wing tip's securing. Note the final position of retaining bolt's face – fully home.

In case of finding discrepancies and/or doubts:

1. Ground the aircraft to correct the fitting(s);
2. Record discrepancies and make pictures if necessary;
3. Contact Allstar PZL Glider via techsupport@szd.com.pl for individual instructions.

Allstar will provide you the replaceable springs (2 pcs), to be exchanged with the existing ones.

The maintenance done should be recorded in sailplane's documentation as per EASA Part M regulations.

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