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EASA.AP176

SERVICE BULLETIN
No BO-113/2010 SWIFT S-1

DESIGNATION-TYPE/MODEL:	SWIFT S-1
SERIA / NUMBER:	All SWIFT S-1 model gliders
CONCERNS:	Control column in elevator & aileron control system
COMPLIANCE TIME:	On receiving this Bulletin, prior to the next flight

ELABORATED BY:	ACCEPTED BY
Responsible for Type Design	President of Zaklady Lotnicze, Marganski&Myslowski
Tadeusz Zboś	Józef Brzęczek
[---], 19.05.2010 (signature, date)	*[---], 19.05.2010 (signature, date)*

Translated by

Tadeusz Zboś

1. GROUNDS FOR ISSUANCE OF THIS BULLETIN

During an aerobatic flight, on one SWIFT S-1 glider, in the elevator control system the control column crack occurred in the area of control stick mount.

The damage resulted in reduced controllability of the glider but regardless from this the glider has been successfully brought to landing on the nearby airfield.

No closer data available on accident circumstances – suspected reason: excessive control forces in the aerobatic manoeuvres combination. Since the accident occurred in flight, and no defect evidence has been identified neither in previous annual overhaul held on this S/N nor in the scheduled inspections, there is an urgent need for special inspection of the concerned part on other gliders with the same design.

2. LIST OF FACTORY NOS COVERED WITH THIS BULLETIN

This Bulletin concerns all SWIFT S-1 model gliders.

3. PROCEDURE

The control column in elevator & aileron control system must be visually inspected against cracks and damage, on all SWIFT S-1 model gliders.

Action 1. For the inspection required, the control stick and control column must be removed from the glider, as follows:

- disconnect the aileron and elevator pushrods from control column,
- disconnect and remove the control stick from control column,
- remove the control column from the glider.

Action 2. Visually inspect the control column (use the reading glass with magnifying power 3x) for cracks and damages; the special attention to be paid to the control stick mount area and connecting elements.

Action 3. Visually inspect (reading glass with magnifying power 3x) the control stick with control column mounting fittings and connecting elements.

If no damage to control column has been found, no further verification is required.

Action 4. If crack or other damage has been found, replace the affected part with a new one, available at glider Producer. Notify the Producer on the defect found. In the information enclose: size and location of the defect, glider Serial No, total number of flying hours.

Action 5. Installation of the original or new control column, control stick and assembling the control systems – in a sequence reverse to this given in Action 1.

Action 6. After re-assembly, verify the control systems adjustment in accordance with Paragraph 2.2 of the Technical Service Manual.

Action 7. Record the inspection completion in the glider log book.

4. MASS (WEIGHT) AND BALANCE

No/ negligible influence

5. ENCLOSURES

No Enclosures to this Bulletin

6. FINAL CONCLUSIONS

1. The visual inspection must be completed by a competent person, on a level of glider or light airplane servicing technician.

2. Removal and repeated installation of control system elements, with the following adjustment of control systems must be carried out by an aircraft service station accepted by the responsible airworthiness Authority. These Actions must be inspected, and entered in the glider log book.

- THE END -