

## ZS Jezow (Poland)

Status	Subject	Detail	Reference information	Once/Repeat	TNS
<b>Contact:</b>	THE GLIDER FACTORY "JEŻÓW" 43 - 300 Bielsko - Biała, ul. Cieszyńska 321 TEL/FAX: +48 33 829 33 27				
	For spares and information contact: kchmiel@szdjezow.com.pl				
	(Please refer to All-Star PZL for Puchacz, Junior SZD 55 & SZD 59 Acro)				
<b>Bocian</b>	<u>SZD-9bis-1D &amp; 1E</u> (Details of SB's on Jezow web site)				
M	Main Wheel Axle	Securing bolt	BK 005/73	Once	12/03
M	Rudder Hinge	Replacement if used for training	BE 006/75	Once	12/03
M	Inspection	200 hour inspection	BE 007/75	Repeat	12/03
M	Rudder Controls	Fit cable guard to rudder pulley	BE 008/76	Once	12/03
M	Inspection	Opening hole in wing root for inspection access	BE 009/77	Once	12/03
M	Seat Harness	Modification to front seat harness	BE 010/77	Once	12/03
M	Elevator control	Replacement of elevator alloy fork	BE 012/78, BGA 037/08/2003 iss. 2	Once	12/03
M	Controls	Inspection of wire locking	BE 013/78	Once	12/03
M	Air Brakes	Inspection and Modification at next repair	BK 014/78	Once	12/03
M	Centre section structure	cracks at welds – inspect (Flight limitations not mandatory)	BE 016/79	Repeat	12/03
M	Rear wing fittings	replacement or Inspection	BE 018/80, BGA 038/10/2003 iss. 1	Once/Repeat	12/03
M	General inspection	at each 1000 hours	BE 020/80	Repeat	10/79
M	Main Wing Fittings	Allowable cracks	BE 021/81	A/Rqd	12/03
O	Overhaul at 3000 h	Zero hour at factory	BE 022/81	Once	12/03
M	Elevator	Inspection and replacement of rivets	BK 023/82	Once	12/03
M	Elevator	Inspection of elevator fork and rigging	BE 025/82	Repeat	12/03
I	Service Bulletins	List	BI 026/83	A/Rqd	12/03
M	Wing/fuselage fittings	allowable repairs	BE 027/86	A/Rqd	12/87
I	Service Bulletins	Annex to BE 026/83	BI 028/86	A/Rqd	12/03
O	Overhaul at 3000 h	Zero hour at factory	BE 029/92	Once	12/03
M	Rudder pedals	Crack inspection	BA 030/94	Once	12/03
M	Service life at 3000 h	Inspections for extension to 4000 hours BGA Concession to			
-		3500 h. for factory items additional to 3000 h check	BE-032/2003	Repeat	12/03
M	Service life	Extended to 5000 by BGA with inspections at each and every 50, 100, 200,1000, 2000, 3000, 4000 hours		Repeat	12/03

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I	3000 hour inspection	Contact BGA for details of approval to carry out 3000 hour overhaul/inspection			02/05

### **Bocian In Service Reports (Advisory)**

	Main wheel seizure	lubricate			09/73
	Air brake cables	frayed in centre section			04/80
	Rudder hinges cracks & failures	aggravated by incorrect adjustment of stops		12/79, 06/80 & 12/80	
	Rudder hinge	(lower) fractured modification recommended			09/81
	Rudder systems	failures below floor, cables, pulleys & pulley bearings		03/75 & 02/84	
	Spar boom spanwise cracks	in depth inspections required after suspect overloading			04/84
	Spar root inspection	cracks & corroded & undersized bolts		08/84 & 06/84	
	Elevator horn attachment	rivets sheared inspect frequently			06/84
	Frame forward of fin	cracks at elevator drive mounting			08/87
	Winch tow hook - attachments	structural failure - reinforce/repair		02/87 & 12/91	
	Tailplane support structure	cracks			04/88
	Rudder pedal mounting (front)	cracks/failure of front bracket near pivot holes		03/82 & 10/88	
	Rudder pedals (rear)	bent pedal fouls floor & restricts travel			12/88
	Trim cable failure at tab	install swivel to prevent cable fatigue		04/89, 04/97 & 12/98	
	Air brake handle	fractured below the slide			02/91
	Cable releases	dual pulley assembly cracked			02/92
	Undercarriage failures	damaged components		09/81 & 02/92	
	Undercarriage failures	cracks around wheel-box		08/95 & 10/95	
	Air brakes - stop over-ridden	drive failure at paddle - rod end cracked		10/89 & 04/92	
	Aileron operating horn (centre)	detached from aileron spar			06/93
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
	Air brakes - pilots lever	failure adjacent to front seat		02/91 & 04/95	
I	Canopy	Rear canopy unlatched in flight			04/01

### **Foka (SZD-24)**

	Wing failure (USA)	inspection of glued joint			01/75
	Heavy landings	may displace elevator lever in centre section			09/81
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
	Wings	Rigging damage to wing connection lugs by expanding bolt			2-2007

## ZS Jezow (Poland)

Status	Subject	Detail	Reference information	Once/Repeat	TNS
<b><u>Cobra (SZD 36) (Details of SB's on Jezow web site)</u></b>					
M	Technical manual	Updates	SB BK-001/72		06/04
M	Tailplane	Attachment	SB BE-002/72		06/04
M	Aileron	Balance weight attachment	SB BE-002/75		06/04
M	Airbrakes	Controls in wing	SB BR-003/77		06/04
M	Tailplane	Crack inspection	SB BR-004/80		06/04
M	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
R	Life extension	Guidelines and limitations 700 hrs to 2000 hrs	BE-005/36/81		06/02
I	Service Bulletins	List	BI-006/83		06/04
 <u>Cobra in service reports (Advisory)</u>					
	Rudder cables pulleys	seized in rear fus. leads to cable wear and failure			08/76
	Rudder cables	failure/corroded			02/77
	Rudder cables pulleys	foul instrument panel			08/79
	Tailplane attachment	thread stripped repair with "Helicoil" inserts			08/79
	Wheel hub cracked at bolt-holes	repair by TIG welding			04/80
	Fuselage	Stiffeners detached from frame 12 possible control fouling			10/03
	Wings	Rigging damage to wing connection lugs by expanding bolt			2-2007
 <b><u>Puchatek</u> KR-03A</b>					
M	Tailplane	Replacement of tailplane fittings	SB 29/KR03A/9304/94		
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
M	Fatigue life/flying time	Limited to 5000 hours	BE-35 KR-03A/99		08/99

### **Pirat (SZD 30) (Details of SB's on Jezow web site)**

## ZS Jezow (Poland)

Status	Subject	Detail	Reference information	Once/Repeat	TNS
I	Technical Manual	revisions	SB 10		06/04
M	Elevator	Control rod inspection	SB BR-002/72		06/04
M	Elevator hinges	inspect/replace	SB BE-006 & BR- 007/73		
M	Elevator	Inspection	SB BK-008/73		06/04
M	Rear fuselage	cracks at inspection panel	SB BE-009/73		
R	Life	Limitation	SB BE-010/73		06/04
M	Rear fuselage	reinforce at fin joint	SB BK-011/73		
M	Aileron hinges	replace centre hinges	SB BK-012/74		
I	no detail	See SB BR 001/72	SB BR-013/74		06/04
I	no detail	See SB BR 002/72	SB BR-014/74		06/04
I	no detail	See SB BR-12/74	SB BR 015/74		06/04
I	Rudder	Replacement to lift limitations	SB BK-019/75		06/04
M	Controls	Disconnection	SB BK-023/81		06/04
I	Service bulletin	List	SB BI-024/82		06/04
M	Elevator fork replacement	failure of aluminium fork ends (Threaded type)	SB BR 025/82		04/04
M	Ailerons	Deflections	SB BR-026/87		06/04
R	Life	Extension at 1800 hrs	SB BE-027/87		06/04
I	Service bulletin	List	SB BI-028/90		06/04
R	Life	Extension to 2600 hrs	SB BE-029/90		06/04
R	Life extension	to 3 200 hrs & flight restrictions beyond 2 600 hrs	SB 030/90		10/91
R	Inspection access	Make new inspection holes	SB BK-031/92		06/04
M	Rudder deflections	extended rudder	SB 032/92		10/92
M	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
M	Glued joints	inspection of wing centre section	SB-033/93	04/94, 06/91, 01/93,	12/93
M	Life	Extension at 1800 hrs (W S/No gliders)	SB BE-034/93		06/04

### Pirat in service reports (Advisory)

Seat back	insecure				10/74
Trim cable	failure at tab				06/75
Control rod ends	loose and swaging cracked - leading to failure	(SB BR-025/82)		06/91 &	10/75
Tow release cable	frayed at Bowden outlet				04/76
Tailplane	cracks in spar end and at fin slot				12/76

## ZS Jezow (Poland)

Status	Subject	Detail	Reference information	Once/Repeat	TNS
	Rudder cables	repeated failures			06/77
	Rudder lower hinge	stiff nut missing			07/77
	Control cable	contaminated with glue			12/80
	Air brakes	bell crank bracket & fork end failures in centre section		06/79 &	03/82
	Tow release jammed	loose ferrule fouls on pulley - secure ferrule			04/83
	Main wheel hub plates	cracked at bolt holes			06/84
	Aileron operating horns	loose			06/93
	Rudder cables jamming	at frame, pulley & guards displaced			12/93
	Aileron connecting rod in c/s	broken at end of thread during rigging or de-rigging			08/97

### Jantar- all models also see separate sections

M	U/C fails to lock down	prevent pushrod guide tube in cockpit rotating			06/77
M	Seat back	insecure with neg. G - secure it			12/85
	Rudder cables	corroded in conduits - inspect	SB 027/86		12/86
	Push rod roller guides	rollers' brass bearings fail – inspect			08/87
	Wing to fuselage connection	compensation for free play	SB 032/87		04/88
M	Trim spring	fouls on floor	SB 063/88		1988
	Push rods	wear on guide rollers	SB 043/92		10/92
	Push rods	splitting at end fitting swages - inspect			08/94
	Aileron actuator bushes	corroded - system friction increased			10/97
M	Flying controls	Inspection of NYLON air brake gears (identified by ball type self connecting wing controls)	BGA 017/04/2001 iss2		06/01
I	Controls	Hairline crack found in control rod near to swaged end			3-2007

### Jantar- all "T" tailed models Also see separate sections

	Lower rudder hinge	wooden supports come loose – inspect		02/87 &	06/77
	Lower rudder hinge	split pin failed - inspect/replace		02/90 &	03/81
	Tailplane centre rib	inspect for looseness			03/81
M	Elevator travel	restricted by bellcrank foul in fin			04/88
	Elevator bellcrank	in base of fin corroded – inspect			04/91
I	Elevator Push Rod	Cracks found on vertical rod where it passes through upper rudder hinge support			06/04

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<b><u>Jantar 1 (SZD- 38A)</u></b>					
M	Flap lever	cracks adjacent to drive point			06/77
	Spar root	strengthening	SB 04/76		07/77
	Flap plywood pushrod supports	come loose - inspect frequently for asymmetric flap			01/78
	Main spar spigots	replace at 1500 hours	SB 032/87		06/94 & 04/88
	Life extension	to 4500 hours after spigot replacement	SB 036/89		02/90 & 06/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
<b><u>Jantar 2 &amp; 2B (SZD- 42-1 &amp; 2)</u></b>					
	Nose ballast weights	inspect mounting	SB 030/87		04/88
	Extension of life	from 1500 to 3000 hours after wing spigot replacement	SB 031/87		02/90
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
<b><u>Standard Jantar 1 (SZD 41A)</u></b>					
M	Extension of life	from 3000 to 6000 hours after wing spigot replacement	SB 026/86		08/86
	Procedure for changing spar spigots		SB 037/89, SB 044/93		02/94, 02/90 & 10/93
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
<b><u>Standard Jantar 2 (SZD 48 &amp; 48/1)</u></b>					
M	Rudder deflection	29°±1°(was 30°±2°) rudder/fin overlap to be 5mm min	SB 01/78		01/79
M	Extension of life	from 3 000 to 6 000 hours after wing spigot replacement	SB 026/86		08/86
M	Extension of life	serial numbers 1266 & 1268	SB 035/88		02/90
	Procedure for changing spar spigots		SB 037/89		02/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
<b><u>Standard Jantar 3 (SZD 48/3)</u></b>					

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M	Extension of life	from 1500 to 3000 hours	SB 026/86		08/86
	Weighing data	C of G position v empty weight chart	SB 042/92		10/92
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94

### Standard Jantar In Service Reports (Advisory)

Air brake	Air brake drive gear mounting part detached in wing			06/00	
Seats	seat back became uncoupled from adjuster as keep plates not fitted			2-2006	

### Ogar (SZD 45)

	Air brake levers cracked	inspect airbrake system regularly			09/85
	Elevators stiff	corrosion on torque tube			02/87
	Lower air brake paddle severed	inspect & adjust system as per manual			02/88
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
M	Propeller	TBO of propeller hub	BE-014/78		04/00
M	Carburettor membrane	Compliance with Limbach SB	BE- 020/80		04/00
M	Tail wheel	Replacement of fittings	BE-021/80		04/00
M	Muffler	Inspection of brackets	BE-024/84		04/00
M	Life extension	Inspections to extend service life	BE/R-026/96		04/00