

PZL (Poland)

Status	Subject	Detail	Reference information	Once/Repeat	TNS
Contact:	Allstar PZL Glider, U1. Cieszynska 325, 43-300 Bielesko-Biala, Poland. Fax +48 33 8123739 (Junior, Puchacz, Acro) wkkpapiorek@pro.onet.pl Zaklad Szybowcowy "Jezow" +48 75 713 21 59 [www.szdejzow.com.pl] For spares and service contact Allstar or Jezow directly				
Bocian	SZD-9bis-1D & 1E (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
I	3000 hour inspection	Contact BGA for details of approval to carry out 3000 hour overhaul/inspection			02/05

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
<u>Bocian In Service Reports (Advisory)</u>					
	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
<u>Foka (SZD-24)</u>					
	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

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
<u>Cobra (SZD 36)</u> (Details of SB's on Jezow web site)					
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
 <u>Puchatek</u> KR-03A					
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
 <u>Pirat (SZD 30)</u> (Details of SB's on Jezow web site)					
I	Technical Manual	revisions	SB 10		06/04
M	Elevator	Control rod inspection	SB BR-002/72		06/04

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
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
Rudder cables	repeated failures				06/77
Rudder lower hinge	stiff nut missing				07/77

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
	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

Jantar 1 (SZD- 38A)

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BGA Compendium [11/07](#)

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
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

Jantar 2 & 2B (SZD- 42-1 & 2)

	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

Standard Jantar 1 (SZD 41A)

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

Standard Jantar 2 (SZD 48 & 48/1)

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

Standard Jantar 3 (SZD 48/3)

M	Extension of life	from 1500 to 3000 hours	SB 026/86		08/86
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Status	Subject	Detail	Reference information	Once/Repeat	TNS
	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

Puchacz (SZD 50/1 & 3)

M	Controls jammed below front seat	(by foreign objects) guard introduced	SB-10/50/3/83		10/83
M	Wheel hub bolts	replace in steel	SB-32/50/03/86		12/86
	Life extension to 6000 hours	inspections from 1000 hours onwards	SB-34/50/03/87		04/88
M	Main wing pin	security	SB-33/50/03/87		10/88
M	Tailplane pin	replace	SB-40/50/03/90		06/90
M	Pulley in trim circuit	secure T-50 pulley	SB-38/50/03/90		06/90
M	Rudder cable system	mod to eliminate possible jam	SB-42/50-3/92		10/92
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
	Air brake paddle	axis bolts unsecured	SB-047/50		03/94
M	Wing	Inspection of wing front bracket console	SP-0059-2000-A		

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
I	Wing	Improved front bracket console available	BE-048/SZD-50-3/2000		08/00
	Canopy	Inspection of fwd canopy locking lever	BGA 005/08/2000 Iss 1		06/03
M	Wing	Action to take if cracks found in front bracket console	SP-0094-2000A, BE-049/SZD-50-3/2000		08/00
M	Flying controls	Inspection of airbrake gears. Improved design gear available			12/00
		Fitment deletes annual inspection requirement	BGA 016/04/2001 iss2		06/03
M	Airbrakes	Airbrake control inspection AD SP-0052-2003-A, SB BE-052/SZD-50-3/2003	BGA inspection satisfies AD and SB		10/03
			BGA 024/10/2001 iss1		02/03
M	1000 hr. inspections	Reminder that inspections are required at 1000 hr intervals	SB-34/50/03/87		04/03
M	Life Extension	Life extended to 6750 hours by completing 1000 hr insp.	SB BE051/SZD-50-3/2003		06/03
R	Canopy catch	Recommended modification to fit return spring to rear canopy lever	BGA 2003/11		02/04
I	Life Extension	To 12,000 hours Factory only inspection until more data collected	SB BE-053		04/04
M	Rudder control	Inspection of turnbuckle	SB BE-054		12/04
M	Controls	Inspection of control stick and mounting	AD 2004-0003		06/05
R	Controls	Failure of elevator rod end in cockpit area	GFA AD 623		12/05
R	Controls	Control stick inspection at annual or after accident	BGA 046/12/2005 iss1		4-2006
M	Controls	Inspection of rudder attachment	AD 2006-0243E, SB BE-058/SZD50-3/2006		5-2006
A	Controls	BGA Letter to operators re AD 2006-0243-E			5-2006
M	Controls	Modification of rudder circuit	AD 2006-0317, SB BE-057/SZD 50-3/2006		5-2007
M	Controls	<u>Bolt of the airbrake intermediate control lever – insp/repl.</u>	<u>AD 2007-0275-E, SB BE-059/SZD50-3/2007</u>		<u>5-2007</u>

Puchacz In Service Reports (Advisory)

Rudder hinge (top) failure	annual inspection	06/88
Rudder cable	fouls radio junction box	12/91
Rear canopy lanyard	fouls rear stick	12/91
Rear tow release	jammed by perished rubber sleeve	04/92
Asymmetric air brakes	gearbox failure	12/92
Rudder cable fatigue failure	at rudder pedal - modify system	06/93
Canopy jettison pins - migrate	lock into place	01/93 & 10/92
Flying controls	incorrectly rigged on delivery	01/93
Trim drive cables (solid wire)	failures	10/93
Undercarriage Bungee	deterioration - inspect	12/93

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
	Rear rudder pedals cable detached	stiff-nuts come off - fit split pins & castellated nuts			12/93
	Air brakes	paddle attachments worn- circlips missing			08/94
	Control rod ends	swaging cracked			08/94
	Air brakes	failure at cross tube in fuselage			04/95
	Ailerons	jammed after heavy landing nose wheel frame broken - inspect			10/96
	Airbrake operating lever	weld failures - inspect			12/96
	Lower rudder hinge	plywood support failed - check every DI			08/99
	Airbrakes	L/H wing air brake gear mounting structure poorly bonded			10/04
	Landing gear	Corrosion on nose wheel fittings			2-2007
	<u>Airbrake</u>	<u>Failure of airbrake cross tube.- annual inspection recommended</u>			<u>5-2007</u>

Junior (SZD 51/1)

M	Modifications required for BGA certification				10/86
M	Aileron mass balance	introduced to prevent flutter	SB 002/85		12/86
M	Air brake lever push rod fails	fit strengthened rod	SB 003/85		12/86
M	Rudder mass balance weight	fouls screw head - modify system	SB 004/88		12/88
M	Lower rudder hinge	replace at 1000 hours or if damaged	SB 006/90		06/90
M	Tailplane fixing sleeve	replacement	SB 009/93		04/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
	Airbrake bevel gears cracked	inspect after ground loops			08/97
M	Life extension	from 1000 hours to 3000 hours after inspections and interim	1000 inspections required SB 005/89		06/98
	Air brake	Airbrake lever failure below handle			04/00
M	Flying controls	Rudder pedal adjustment inspection	BGA 014/03/2001 iss1		04/01
M	Flying controls	Inspection of air brake gears Improved design gear available Fitment deletes annual inspection requirement	BGA 015/04/2001 iss2		06/03
R	Canopy	latch inspection and modification	BGA 020/10/2001 iss1		10/01
M	Elevator trim	Trim control knob inspection	BGA 023/10/2001 iss1		10/01
M	Service life	Extension to 6000 hours	SB BE-007/92		12/02

Junior in service reports (Advisory)

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Status	Subject	Detail	Reference information	Once/Repeat	TNS
	Lower rudder hinge mounting	cracks in fin structure			06/98
	Elevator drive locking sleeve	always check fully engagement after rigging			08/91
	Aileron mass balance	corroded bolts - replace with stainless steel			04/91
	Canopy jettison pin	migrates - secure with soft copper wire			06/93
	Elevator trim spring	several failures			10/93
	Swaged control rod ends	cracked			08/94
	Tailplane	Location arm mis located on fin receptacle			12/05

SZD - 55/1

Revised 1-2006 with SB list from Allstar.

M	FM supplements	Notes on operation, sealing wing gaps, pilots seat locking	BE-155-1/89		
M	Limitations	FM and TSM revision	BE-2/55-1/89		
M	Water ballast	FM and TSM revision	BE-3/55-1/89		
M	C of G hook	FM revision winch launch	BE-4/55-1/90		
M	FM revision	Compliance statement	BE-5/55-1/90		
M	Controls	Revision of rudder deflections	BI-6-55-1/92		10/92
M	Revision of flight manual		BE-7/55-1/94		10/94
R	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94		10/94
M	Revision of flight manual	ASI with stall warning	BE-8/55-1/95		10/95
I	Instruments	PR-400s ASI and SP-3 stall warning	BE-9/55-1/95		
M	Service life	Extension to 3000 hours	BE/R-10/55-1/96		
M	Service life	Extension to 4500 hours	BR/R-11/55-1/2003		
M	Flying controls	Inspection of NYLON air brake gears Improved design gear available Fitment deletes annual inspection requirement (Identified by ball type self connecting wing controls)	BGA 017/04/2001 iss3		06/03

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