

Airworthiness Directive Schedule

Gliders

SZD Series (Allstar PZL)

31 January 2019

- Notes:** 1. This AD schedule is applicable to gliders manufactured under Type Certificate Numbers:

Aircraft Model:	Type Certificate Number:	Type Certificate Holder:
SZD-9bis Bocian 1D	Poland 11/TL/60	
SZD-9bis Bocian 1E	Poland 11/TL/60	
SZD-24-4A Foka-4	Poland 4/TL/64 (BG-013/1)	
SZD-30 Pirat	Poland BG-32/1	
SZD-36A Cobra 15	Poland BG-071/1	
SZD-48-1 Jantar Standard 2	EASA A.446	Zaklad Szybowcowy Jezow (ZSJ)
SZD-50-3 Puchacz	EASA A.312	Allstar PZL Glider Sp.
SZD-55-1	Poland BG-163/1	

2. The European Aviation Safety Agency (EASA) is the National Airworthiness Authority (NAA) responsible for the issue of State of Design Airworthiness Directives (ADs) for these gliders. State of Design ADs can be obtained directly from the EASA web site at http://www.caa.govt.nz/Airworthiness_Directives/states_of_design.html

Type Certificate NAA reference code 'GILC' is for the Polish General Inspectorate of Civil Aviation (GILC).

3. The date above indicates the amendment date of this schedule.
4. New or amended ADs are shown with an asterisk *

Contents

DCA/SZD/101	Rudder Top Metal Fitting - Inspection	3
DCA/SZD/102	Fouling of Rudder Control Turnbuckles - Modification	3
DCA/SZD/104	Horizontal Tailplane Screws - Modification	3
DCA/SZD/105A	Wing to Fuselage Fittings - Inspection and Operating Limitation Placard	3
DCA/SZD/106A	Tailplane Assembly - Inspection and Modification	4
DCA/SZD/107	Wing Rear Attachment - Modification	4
DCA/SZD/108	Elevator Control System - Modification	4
DCA/SZD/109	Shoulder Harness Installation - Modification.....	4
DCA/SZD/110	Control System - Modification	4
DCA/SZD/111	Elevator Control System - Inspection and Modification	4
DCA/SZD/112	Elevator Control System - Modification.....	5
DCA/SZD/113	Cancelled - DCA/WSK/1 now refers	5
DCA/SZD/114A	Fuselage Front Bulkhead Brackets – Inspection	5
DCA/SZD/115	Rudder Turnbuckle - Inspection.....	5
DCA/SZD/116	Rudder Attachment – Inspection and Replacement	6
DCA/SZD/117	Rudder Control System - Modification	6
DCA/SZD/118	Control Stick Mounting – Inspection and Replacement	6
DCA/SZD/119	Airbrake Intermediate Control Levers – Inspection and Replacement.....	7
DCA/SZD/120	Cancelled – EASA AD 2014-0015 refers	7
DCA/SZD/121	Wooden Structure – Inspection, Repair and Operational Limitations	7

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	9
2014-0015	Airbrake Control Torque Tube – Inspection and Replacement	9
2015-0046	Rudder Control Cable Fitting – Inspection	9
* 2018-0081	Elevator Control System / Vertical Tail – Inspection	9

DCA/SZD/101 Rudder Top Metal Fitting - Inspection

Applicability: All model SZD-9

Requirement: The rudder top metal fitting is to be inspected for cracks. Should the paint covering be cracked or broken, the fitting is to be removed and the paint covering stripped to permit a more detailed inspection.

Upon replacement of the fitting, care must be taken to ensure that the bolt heads are "Square" to the metal fitting and that the nuts are not overtightened.

Compliance: Daily

Effective Date: 31 August 1970

DCA/SZD/102 Fouling of Rudder Control Turnbuckles - Modification

Applicability: All model SZD-9

Requirement: Auckland Gliding Club Modification No. 7

Compliance: At C of A

Effective Date: 31 August 1970

DCA/SZD/104 Horizontal Tailplane Screws - Modification

Applicability: All model SZD-36A Cobra-15 prior to Fact. No.W-691 except Fact. Nos.W-689 and W-556

Requirement: SZD Cobra Bulletin BK-002/75 "Cobra -15"

Compliance: By 31 May 1976

DCA/SZD/105A Wing to Fuselage Fittings - Inspection and Operating Limitation Placard

Applicability: All model SZD-9

Requirement: 1. Inspection - Inspect wing to fuselage main fittings assembly for cracks per PZL SB BE-016/79 "Bocian". Defective components to be repaired or renewed before further flight.

2. In full view of pilot affix placard which reads:

"Cloud, wave and aerobatic flight prohibited".

Compliance: 1. Inspection - within next 50 hours TIS and thereafter at intervals not exceeding 50 hours TIS.

Gliders with 500 hours or more TIS - before further flight.

2. Placard - at 15 years total calendar time.

Effective Date: DCA/SZD/105 - 15 August 1979

DCA/SZD/105A - 21 August 1981

DCA/SZD/106A Tailplane Assembly - Inspection and Modification

Applicability: All model SZD-48-1
Requirement: Inspect and modify tailplane assembly per SZD SB BA-011/81 `Jantar'
Compliance: By 31 December 1982
Effective Date: DCA/SZD/106 - 30 March 1981
DCA/SZD/106A - 13 August 1982

DCA/SZD/107 Wing Rear Attachment - Modification

Applicability: All model SZD-9
Requirement: Install replacement rear fitting per SZD SB BE-018/98IS/80 `Bocian'
Compliance: By 30 November 1982
Effective Date: 13 August 1982

DCA/SZD/108 Elevator Control System - Modification

Applicability: All model SZD-9 BIS IE
Requirement: Install replacement control rod fork eng per SZD SB BE-12/78 `Bocian'
Compliance: By 30 November 1982
Effective Date: 13 August 1982

DCA/SZD/109 Shoulder Harness Installation - Modification

Applicability: Model SZD-9 BIS IE prior to fact No. P-788
Requirement: Modify front seat should harness installation per SZD SB BR-10/77 `Bocian'
Compliance: By 30 November 1982
Effective Date: 13 August 1982

DCA/SZD/110 Control System - Modification

Applicability: All model SZD-30
Requirement: Install special washers in control rod bolt assemblies per SZD SB BK-023/81 `Pirat'
Compliance: By 30 November 1982
Effective Date: 13 August 1982

DCA/SZD/111 Elevator Control System - Inspection and Modification

Applicability: Model SZD-9 BIS 1E S/N P-425 through P-789
Requirement: To preclude possibility of elevator control rod end failure or lever detachment inspect and modify per SZD `Bocian 1E' SBs BE-025/82 and BK-023/82 respectively. Renew defective parts before further flight
Compliance: By 30 September 1983
Effective Date: 15 July 1983

DCA/SZD/112 Elevator Control System - Modification

Applicability: All model SZD-30
Requirement: Install replacement control rod ends per SZD SB BR-025/82 'Pirat'
Compliance: By 30 November 1983
Effective Date: 21 October 1983

DCA/SZD/113 Cancelled - DCA/WSK/1 now refers**DCA/SZD/114A Fuselage Front Bulkhead Brackets – Inspection**

Applicability: All model SZD-50-3
Requirement: To prevent failure of the brackets mounted on the fuselage front bulkhead, inspect per mandatory bulletin BE-048/SZD-50-3/2000 "PUCHACZ". If cracks longer than 3 mm are found, repair per mandatory bulletin BE-049/SZD-50-3/2000 "PUCHACZ". before further flight.
(Republic of Poland ADs SP-0059-2000-A and SP-0094-2000-A refer)
Compliance: Inspect before further flight, and thereafter at intervals not to exceed 100 hours TIS.
Effective Date: DCA/SZD/114 -- 13 July 2000
DCA/SZD/114A – 21 December 2000

DCA/SZD/115 Rudder Turnbuckle - Inspection

Applicability: Model SZD-50-3 gliders, all S/N.
Requirement: To detect wear that may cause failure of the rudder control, inspect per Mandatory Bulletin No. BE-054/SZD-50-3/2003 "Puchacz".
(AD SP-0012-2004-A refers)
Compliance: by 30 April 2004
Effective Date: 25 March 2004

DCA/SZD/116 Rudder Attachment – Inspection and Replacement

Applicability: Model SZD-50-3 “Puchacz” gliders, all S/N.

Requirement: To prevent the rudder from detaching from the aircraft during flight, due to the possibility of the rudder being secured with a self-locking nut, inspect the rudder attachment per the instructions in AllStar Mandatory Bulletin (MB) No. BE-058/SZD-50-3/2006 “Puchacz”.

Replace the rudder attachment parts as required, per mandatory bulletin BE-058/SZD-50-3/2006.

(EASA AD 2006-0243-E refers)

Note: PZL-Bielsko Bulletin No BK-06/50-3/81 introduced a castellated nut with cotter pin, in place of the self-locking nut to secure the rudder. This change had inadvertently not been introduced to the Aircraft Technical Service Manual. Consequently, the aircraft rudder attachment must be inspected to confirm that a castellated nut with cotter pin is fitted, per MB No. BE-058/SZD-50-3/2006.

Compliance: Before further flight.

Effective Date: 25 August 2006

DCA/SZD/117 Rudder Control System - Modification

Applicability: Model SZD-50-3 “Puchacz” gliders, all S/N.

Requirement: To prevent the rudder pedals from detaching from the rudder control system during flight, due to the possibility of fatigue failure of the turnbuckle adjusting screws, modify the aircraft per the instructions in AllStar PZL Glider Mandatory Bulletin No. BE-057/SZD-50-3/2006 “PUCHACZ”.

(EASA AD 2006-0317 refers)

Compliance: By 26 January 2007.

Effective Date: 26 October 2006

DCA/SZD/118 Control Stick Mounting – Inspection and Replacement

Applicability: Model SZD-50-3 Puchacz gliders, all S/N except B-1990

Requirement: To prevent failure of the aircraft control columns, inspect both the front and rear cockpit control columns and attachments, per the instructions in Allstar PZL Glider Mandatory Bulletin (MB) No. BE-055/SZD-50-3/2004 ‘Puchacz’.

Replace defective parts per the instructions in MB No. BE-055/SZD-50-3/2004, before further flight.

(EASA AD 2004-0003 refers)

Compliance: Before further flight.

Effective Date: 29 October 2007

DCA/SZD/119 Airbrake Intermediate Control Levers – Inspection and Replacement

Applicability: Model SZD-50-3 Puchacz aircraft, S/N all through to B-2207, 503199327, 503A04001, 503A05002 and 503A05003.

Requirement: To prevent failure of the airbrake control system which could result in a forced landing, aircraft damage and personal injury, accomplish the following:

1. Inspect the attachment bolts of both the left and right wing airbrake intermediate control levers per the instructions in Allstar PZL Glider Service Bulletin (SB) No. BE-059/SZD-50-3/2007 "PUCHACZ".

If a loose bolt is found, replace the spring lock washers and M8x34 bolts with tab washers and M8x32 bolts on the wing airbrake intermediate control lever, per the instructions in SB No. BE-059/SZD-50-3/2007, before further flight.

2. Replace the spring lock washers and M8x34 bolts with tab washers and M8x32 bolts on both the left and right wing airbrake intermediate control levers, per the instructions in SB No. BE-059/SZD-50-3/2007.

Note: The accomplishment of requirement 2 is a terminating action to the requirements of this AD.

(EASA AD 2007-0275-E refers)

- Compliance:**
1. Before further flight, and thereafter at intervals not to exceed 100 hours TIS or 12 months, whichever occurs sooner, until requirement 2 of this AD is accomplished.
 2. Within the next 1000 hours TIS.

Effective Date: 29 October 2007

DCA/SZD/120 Cancelled – EASA AD 2014-0015 refers

Effective Date: 28 January 2014

DCA/SZD/121 Wooden Structure – Inspection, Repair and Operational Limitations

Applicability: Model SZD-30 "Pirat" aircraft, S/N W-290, W-314 through to W-328, W-389 through to W-418, B-294 through to B-596 and S01.01 through to S09.30.

Model SZD-30C "Pirat" aircraft, S/N P-790 all through P-836.

Requirement: To detect and correct structural deterioration of the airframe including high airbrake operating forces and prevent detachment of aircraft parts in flight which could result in damage to the aircraft, injury to people on the ground, and difficulty in maintaining aircraft control, accomplish the following:

1. AFM Amendment:

Amend the "operational limitations" section in the AFM per the instructions in enclosure No. 1 or 2 of Zakład Szybowcowy "Jeżów" Henryk Mynarski Bulletin BE-035/30/2010 as applicable to the aircraft type, and inform the flight crew.

2. Limitations Placard:

Replace the limitation placard located on the RH side of the cockpit with a placard per the template in enclosure No. 3 of Bulletin BE-035/30/2010.

3. Modification:

Add/modify the coloured lines on the ASI at reduced V_{NE} of 195 km/h and V_{RA} of 135 km/h per the requirements in CS (or JAR) 22.1545(a-b).

4. Maintenance Manual Amendment:

Amend the periodic maintenance schedule section of the Aircraft Maintenance Manual per the instructions in enclosure No. 4 of Bulletin BE-035/30/2010 and comply with the amended repetitive maintenance requirements provided in the second column of table in enclosure No. 4 of Bulletin BE-035/30/2010.

If any structural defects or deterioration is found, accomplish a manufacturer approved repair before further flight.

5. Visual Inspection:

Accomplish a visual inspection and tap test of all bonded (glued) structural joints for integrity and condition. This inspection must include an inspection of the external and internal wooden structure (fuselage, wings, the horizontal and vertical tail unit). Use the various inspection access points on the airframe to inspect the internal structure of the airframe.

If any structural defects or deterioration is found, accomplish a manufacturer approved repair before further flight.

Note 1: Requirement 4 of this AD may be accomplished by revising the Aircraft Maintenance Programme (AMP) and introducing requirement 4 in the AMP.

Note 2: Zakład Szybowcowy "Jeżów" Henryk Mynarski Bulletin BE-035/30/2010 original issue dated 11 January 2011, PDPSz "PZL-Bielsko" AFM, all issues and PDPSz "PZL-Bielsko" Maintenance Manual, all issues pertains to the subject of this AD.

(EASA AD 2011-0089 refers)

Compliance:

1. By 30 July 2011.
2. By 30 July 2011.
3. By 30 July 2011.
4. By 30 July 2011.
5. By 30 July 2011.

Effective Date: 30 June 2011

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2014-0015 Airbrake Control Torque Tube – Inspection and Replacement

Applicability: SZD-50-3 “Puchacz” gliders, all S/N.

Effective Date: 28 January 2014

2015-0046 Rudder Control Cable Fitting – Inspection

Applicability: SZD-50-3 “Puchacz” sailplanes, all S/N.

Effective Date: 30 March 2015

*** 2018-0081 Elevator Control System / Vertical Tail – Inspection**

Applicability: SZD-55-1 gliders, all S/N.

Compliance: Initial compliance required before the issue of a New Zealand Certificate of Airworthiness, or at the next Review of Airworthiness (RA), whichever is the sooner, unless previously accomplished. Repetitive inspections, if required, are to be accomplished at intervals not to exceed the times specified in the EASA AD

Effective Date: 31 January 2019