

Airworthiness Directive Schedule

Gliders

DG-Flugzeugbau LS1, LS3, LS4, LS6 and LS8 Series

22 December 2022

- Notes:**
1. This AD schedule is applicable to the following DG Aviation GmbH (previously DG-Flugzeugbau GmbH, Rolladen-Schneider Flugzeugbau GmbH, AMS-Flight d.o.o.) manufactured under European Union Aviation Safety Agency (EASA) Type Certificate Numbers:

Aircraft Model:	EASA Type Certificate No:	Type Certificate Holder:
LS1-f	EASA A.095	DG-Flugzeugbau GmbH
LS3	EASA A.095	DG-Flugzeugbau GmbH
LS3-a	EASA A.095	DG-Flugzeugbau GmbH
LS4	EASA A.095	DG-Flugzeugbau GmbH
LS4-a	EASA A.095	DG-Flugzeugbau GmbH
LS4-b	EASA A.095	DG-Flugzeugbau GmbH
LS6-a	EASA A.095	DG-Flugzeugbau GmbH
LS6-b	EASA A.095	DG-Flugzeugbau GmbH
LS6-c	EASA A.095	DG-Flugzeugbau GmbH
LS6-18W	EASA A.095	DG-Flugzeugbau GmbH
LS8	A.047 (LBA L-402)	DG-Flugzeugbau GmbH
LS8-a	A.047 (LBA L-402)	DG-Flugzeugbau GmbH
LS8-18	A.047 (LBA L-402)	DG-Flugzeugbau GmbH
LS8-t (Powered)	A.047	DG-Flugzeugbau GmbH

2. The European Union Aviation Safety Agency (EASA) is the National Airworthiness Authority (NAA) responsible for the issue of State of Design Airworthiness Directives (ADs) for these aircraft. State of Design ADs can be obtained directly from the EASA website at: <http://ad.easa.europa.eu/>
3. The date above indicates the amendment date of this schedule.
4. New or amended ADs are shown with an asterisk *

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<p>The State of Design ADs listed below are available directly from the National Airworthiness Authority (NAA) websites. Links to NAA websites are available on the CAA website at https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/ If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ, they will be added to the list below.</p>		
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DCA/RS/1 Release Cable - Inspection

Applicability: All model LS1-f, LS3 and LS3-a gliders.

Requirement: Modify and inspect per Rolladen Schneider Technical Bulletin TM 35(LS1-f) or Nr 3007(LS3).

Compliance: By 30 September 1978

Effective Date: 7 July 1978

DCA/RS/2 Trim Rod Guide - Inspection

Applicability: All model LS1-f gliders.

Requirement: Check trim rod guide for wear per service manual page 19 dated 25 April 1978.
(LBA AD 78-162 refers)

Compliance: By 31 October 1978

Effective Date: 15 September 1978

DCA/RS/3 Control Bearings - Inspection

Applicability: All model LS1-f gliders.

Requirement: Inspect rudder, elevator and aileron bearing installations for axial play and incorporation of correct washer assembly per Rolladen Schneider Technical Bulletin No. 37.

(LBA AD 79-44 refers)

Compliance: By 30 April 1979 and thereafter at intervals not exceeding one year

Effective Date: 6 April 1979

DCA/RS/4 Operating Limitation - Placard

Applicability: All model LS1-f and LS3 gliders.

Requirement: Restrict V_{ne} on ASI to 108 kts (200 km/h, 124 mph) using red tape and alter airspeed limit placard accordingly. Restriction may be removed when elevator installation modified per Rolladen Schneider TB 38/3013 instructions 2 and 3.

(LBA AD 79-109 refers)

Compliance: Limitation - before next flight.

Modification - by 31 December 1979.

Effective Date: 20 July 1979

Note: Requirement notified to registered owners on effective date.

DCA/RS/5 Control Stick/CG Release Ground Connection - Modification

- Applicability:** Model LS1-f gliders, S/N 272 and 424 through to 490 as detailed in Rolladen Schneider TB 41.
All model LS3 and LS3-a gliders.
Model LS4 gliders, S/N 4000 through to 4099 as detailed in Rolladen Schneider TB 4004.
- Requirement:** Install ground cable per Rolladen Schneider TB 41, 3026, 4004.
(LBA AD 81-112 refers)
- Compliance:** By 31 December 1981
- Effective Date:** 7 August 1981

DCA/RS/6 Forward Trim Weight Installation - Inspection and Modification

- Applicability:** All models LS3 and LS3-a gliders.
Model LS4 gliders, S/N 4000 through to 4324 as detailed in Rolladen Schneider TB 3033/4010.
- Requirement:** Inspect per Rolladen Schneider TB 3033/4010 and modify per Case 1 and Case 2 as prescribed.
- Compliance:** By 31 December 1982
- Effective Date:** 19 November 1982

DCA/RS/7 Landing Gear Brake Lever - Modification

- Applicability:** All model LS3 and LS4 gliders.
- Requirement:** Modify brake lever installation per Rolladen Schneider TB 3036/4019.
(LBA AD 83-118 refers)
- Compliance:** Prior to next winch launch but not later than 30 September 1983
- Effective Date:** 1 July 1983
- Note: Requirement notified to registered owners on effective date*

DCA/RS/8 Air Brake Installation - Inspection

- Applicability:** All model LS4 and LS4-a gliders, all S/N up to 4340.
- Requirement:** Check airbrake extension per Rolladen Schneider TB 4020 and install stop as prescribed if required overlap not achieved
- Compliance:** By 31 October 1983
- Effective Date:** 7 October 1983

DCA/RS/9A Service Life - Inspections

Applicability: All model LS4 and LS4-a gliders.

Requirement: To extend service life to 12,000 hours accomplish the following:-

Implement inspection program per Rolladen-Schneider Technical Bulletin 4027a. Any defects found must be rectified before further flight.

(LBA AD 87-254/2 refers)

Compliance: By 3000 hours TTIS and thereafter at intervals as detailed per Technical Bulletin 4027a, until a maximum of 12,000 hours TTIS.

Effective Date: DCA/RS/9 - 29 July 1988
DCA/RS/9A - 26 September 1997

DCA/RS/10 Cancelled – DG-Flugzeugbau Technical Note No 3053 refers

Effective Date: 25 November 2010

DCA/RS/11 Trim Weight Holder - Inspection

Applicability: All model LS3, LS3-a, LS3-17, LS4 and LS4-a gliders.

Requirement: To prevent failure of the trim weight holder accomplish the following:-

1. Inspect trim weight holder for cracks per Rolladen-Schneider SB TM 3040 or 4033 as applicable. If cracks are found replace trim weight holder with the modified version P/N 4R8-19c per SB TM 3040 or 4033 as applicable.

2. Replace trim weight holder with the modified version P/N 4R8-19c per SB TM 3040 or 4033 as applicable.

(LBA AD 93-083 refers)

Compliance: 1. By 3 October 1993
2. By 31 December 1993

Effective Date: 3 September 1993

DCA/RS/12 Elevator Forward Mounting Bracket - Inspection

Applicability: All models LS3, LS3a, LS3-17, LS4 and LS4-a gliders.

Requirement: Inspect the elevator forward mounting bracket per Rolladen Schneider TB 3043/4035. If the bracket is found loose repair per TB 3043/4035 before further flight.

(LBA AD 93-155 refers)

Compliance: By 30 November 1993

Effective Date: 29 October 1993

DCA/RS/13 Air Brake Drive - Inspection

Applicability: All model LS3, LS3-a and LS3-17 gliders.

Requirement: To prevent failure of the gear drive plate retaining bolt accomplish the following:-

1. Inspect the air brake bevel gear unit and add shims as necessary per Rolladen Schneider TB 3044 Instructions 1 and 2.
2. Modify per TB 3044 Instruction 3.

(LBA AD 93-156 refers)

Compliance:

1. Inspect by 30 November 1993
2. Modify by 1 July 1994.

Effective Date: 29 October 1993

DCA/RS/14 Landing Gear Drive - Inspection

Applicability: All models LS3, LS3-a, LS3-17, LS4 and LS4-a gliders.

Requirement: To prevent failure of landing gear locking, check the torque of landing gear drive locking nuts per Rolladen Schneider TB 3045/4036 and apply thread securing fluid.

(LBA AD 93-157 refers)

Compliance: By 30 November 1993 and thereafter whenever the landing gear is assembled following maintenance.

Effective Date: 29 October 1993

DCA/RS/15 Flap Drive Spring - Replacement

Applicability: Model LS3 S/N gliders, S/N 454 and 3000 through to 3338.

Requirement: To prevent fatigue failure of the flap drive spring replace spring per Rolladen Schneider TB 3046.

(LBA AD 95-410 refers)

Compliance: 15 March 1997

Effective Date: 15 March 1996

DCA/RS/16 Canopy Jettison Deflector - Installation

Applicability: All model LS6 and LS8 gliders.

Requirement: To avoid the possibility of jamming of the canopy by the canopy mounted panel cover after actuation of the canopy emergency jettison, install canopy jettison deflector per Rolladen-Schneider Technical Bulletin 6036 or 8004 as applicable.

(LBA AD 1999-266 and 268 refer)

Compliance: By 30 September 1999

Effective Date: 27 August 1999

DCA/RS/17 Airbrake Locking Brackets - Inspection

Applicability: All model LS4 and LS4-a gliders.

Requirement: To prevent fatigue failure of airbrake locking brackets, inspect per Rolladen-Schneider Technical Bulletin 4042. Repair as necessary per Technical Bulletin 4042 before further flight.

(LBA AD 1999-270 refers)

Compliance: By 30 September 1999

Effective Date: 27 August 1999

DCA/RS/18 Cancelled – DG-Flugzeugbau TN No. 60 refers

Effective Date: 23 December 2010

DCA/RS/19 AFM - Revision

Applicability: All model LS8-a.

Requirement: Revise the Flight Manual and Maintenance Manual, check cockpit cg range, if necessary correct cockpit placards and enter values into the AFM per Rolladen-Schneider Technical Bulletin 8007 Edition 25 November 99.

(LBA AD 2000-067 refers)

Compliance: By 30 June 2000

Effective Date: 30 March 2000

DCA/RS/20 Air Brakes – Inspection

Applicability: All model LS4 gliders.

Requirement: To prevent in jamming of the air brakes in the extended position caused by corroded air brake lever bearings, accomplish the following per Rolladen-Schneider Technical Bulletin 4043 Edition 14 Sep 99:-

1. Inspect the lower end of the air brake levers for corrosion.
2. Inspect the air brakes for signs of jamming/locking during retraction under load.
3. Modify the lower part of the long version air brakes.
4. Revise the Maintenance and Flight Manual.
5. Replace bearings if corrosion or jamming in the retraction mechanism has been found.

(LBA AD 2000-076 refers)

Compliance: By 30 April 2000

Effective Date: 30 March 2000

DCA/RS/21 Air Brakes – Inspection

Applicability: All model LS6 gliders.

Requirement: To prevent in jamming of the air brakes in the extended position caused by corroded air brake lever bearings, accomplish the following per Rolladen-Schneider Technical Bulletin 6037 Edition 14 Sep 99:-

1. Inspect the lower end of the air brake levers for corrosion.
2. Inspect the air brakes for signs of jamming/locking during retraction under load.
3. Revise the Maintenance and Flight Manual.
4. Replace bearings if corrosion or jamming in the retraction mechanism has been found.

(LBA AD 2000-082 refers)

Compliance: By 30 April 2000

Effective Date: 30 March 2000

DCA/RS/22 Air Brakes – Inspection

Applicability: All model LS8-a gliders.

Requirement: To prevent in jamming of the air brakes in the extended position caused by corroded air brake lever bearings, accomplish the following per Rolladen-Schneider Technical Bulletin 8005 Edition 14 Sep 99:-

1. Inspect the lower end of the air brake levers for corrosion.
2. Inspect the air brakes for signs of jamming/locking during retraction under load.
3. Revise the Maintenance and Flight Manual.
4. Replace bearings if corrosion or jamming in the retraction mechanism has been found.

(LBA AD 2000-084 refers)

Compliance: By 30 April 2000

Effective Date: 30 March 2000

DCA/RS/23 Air Brakes – Inspection

Applicability: All model LS3 gliders.

Requirement: To prevent in jamming of the air brakes in the extended position caused by corroded air brake lever bearings, accomplish the following per Rolladen-Schneider Technical Bulletin 3051 Edition 14 Sep 99:-

1. Inspect the lower end of the air brake levers for corrosion.
2. Inspect the air brakes for signs of jamming/locking during retraction under load.
3. Modify the lower part of the long version air brakes.
4. Revise the Maintenance and Flight Manual.
5. Replace bearings if corrosion or jamming in the retraction mechanism has been found.

(LBA AD 2000-085 refers)

Compliance: By 30 April 2000

Effective Date: 30 March 2000

DCA/RS/24A Drain Tube of Outer Wing Water Tank - Modification

Applicability: All model LS8-18 gliders.

Requirement: To prevent blocked or leaking outer tank drain tubes in the outer wing tank, close the outer wing tank drain tubes per Rolladen-Schneider Technical Bulletin 8006/2 Edition 10 Feb 00 and insert an entry into the logbook stating that the draining holes were closed.

(LBA AD 2000-086 refers)

Compliance: Before the next flight with water ballast.

Effective Date: DCA/RS/24 - 30 March 2000
DCA/RS/24A - 28 September 2000

DCA/RS/25 Service Life – Inspections

Applicability: All model LS8-a gliders.

Requirement: To extend the aircraft service life to 12,000 hours accomplish the following:

Implement an inspection program per Rolladen-Schneider Ls 8-a Technical Bulletin 8010 edition 15 November 2000. Any defects found must be rectified before further flight.

(LBA AD 2001-200 refers)

Compliance: By 3000 hours TTIS and thereafter at intervals as detailed per Technical Bulletin 8010 edition 15 November 2000, until a maximum 12,000 hours TTIS.

Effective Date: 26 July 2001

DCA/RS/26 Service Life – Inspections

Applicability: All model LS4-b gliders.

Requirement: To extend the aircraft service life to 12,000 hours, revise the Flight and Maintenance Manual, and move the wing water ballast bags outward per Technical Bulletin No. 4047.

(LBA AD D-2004-001 refers)

Compliance: Within next 100 hours TIS or by 30 April 2004, whichever is the sooner.

Effective Date: 29 January 2004

The State of Design ADs listed below are available directly from the National Airworthiness Authority (NAA) websites. Links to NAA websites are available on the CAA website at <https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/>

If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ, they will be added to the list below.

2018-0032 Air Brake Control Handle – Inspection

Applicability: Model LS 4-b gliders, all S/N.

Effective Date: 1 March 2018

2018-0127 Fuel Hoses – Inspection

Applicability: LS8-t, LS9 and LS10-st powered gliders, all S/N.

Effective Date: 25 June 2018

*** 2022-0230 Aileron and Airbrake Control Rod Connecting Devices – Inspection**

Applicability: LS4, LS4-a, LS6, LS6-a and LS6-b gliders, all S/N embodied with EASA STC 10070970 at original issue, or at Revision 1.

Effective Date: 22 December 2022