

# Airworthiness Directive Schedule

## Gliders

### Glasflugel and HPH Glasflugel

26 July 2018

- Notes:**
1. This AD schedule is applicable to the following Glasflugel gliders manufactured under EASA Type Certificate (TC) A.241 and HPH Glasflugel gliders manufactured under EASA TC A.030:

| Aircraft Model:       | EASA TC No: | TC Holder:                      |
|-----------------------|-------------|---------------------------------|
| Club Libelle 205      | A.241       | Glasfaser Flugzeug-Service GmbH |
| Hornet                | A.241       | Glasfaser Flugzeug-Service GmbH |
| Kestrel               | A.241       | Glasfaser Flugzeug-Service GmbH |
| Mosquito              | A.241       | Glasfaser Flugzeug-Service GmbH |
| Standard Libelle      | A.241       | Glasfaser Flugzeug-Service GmbH |
| Standard Libelle 201B | A.241       | Glasfaser Flugzeug-Service GmbH |
| H 301 B Libelle       | A.241       | Glasfaser Flugzeug-Service GmbH |
| H 301 Libelle         | A.241       | Glasfaser Flugzeug-Service GmbH |
| 304 S                 | A.030       | HPH, spol.s r.o.                |
| 304 MS (Powered)      | A.030       | HPH, spol.s r.o.                |
| 304 eS (Powered)      | A.030       | HPH, spol.s r.o.                |

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://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 \*

## Contents

|             |  |   |
|-------------|--|---|
| DCA/GLAS/1B | Rudder Cables - Inspection .....   | 3 |
| DCA/GLAS/2  | Cancelled - DCA/GLIDER/7 refers.....                                       | 3 |
| DCA/GLAS/4  | Rudder Yoke Stops - Modification .....                                     | 3 |
| DCA/GLAS/5  | Elevator Assembly Guides, Reinforcement - Inspection and Modification..... | 3 |
| DCA/GLAS/6  | Dive Brake Control - Modification and Inspection .....                     | 3 |
| DCA/GLAS/7  | Elevator Control - Inspection and Modification .....                       | 3 |
| DCA/GLAS/8  | Rudder Actuator - Modification .....                                       | 4 |
| DCA/GLAS/9A | Elevator Drive - Inspection and Modification.....                          | 4 |
| DCA/GLAS/10 | Canopy Mechanism - Inspection.....   | 4 |
| DCA/GLAS/11 | Service Life - Inspection and Limitation .....                             | 4 |
| DCA/GLAS/12 | Wing Attachment Fittings - Inspection .....                                | 5 |
| DCA/GLAS/13 | Aileron Actuating Shaft - Inspection.....                                  | 5 |
| DCA/GLAS/14 | Elevator Mass Balance - Inspection.....                                    | 5 |
| DCA/GLAS/15 | Service Life - Inspection and Limitation .....                             | 5 |
| DCA/GLAS/16 | Rudder Actuator Arm - Replacement.....                                     | 5 |
| DCA/GLAS/17 | Rudder Actuator Arm - Replacement.....                                     | 6 |
| DCA/GLAS/18 | Airbrake Torque Tube - Inspection .....                                    | 6 |
| DCA/GLAS/19 | Water Ballast – Flight Manual Amendment .....                              | 6 |
| DCA/GLAS/20 | Rudder Actuator Arm - Replacement.....                                     | 6 |
| DCA/GLAS/21 | Elevator Control Rod – Inspection and Replacement.....                     | 7 |

From 1 October 2012 the Civil Aviation Authority of New Zealand (CAA) will no longer rewrite the text of State of Design ADs. Applicable State of Design ADs will be listed below and you can obtain them directly from the National Airworthiness Authority (NAA) web sites. Links to the NAA web sites are available on the CAA web site at <http://www.caa.govt.nz/airworthiness-directives/states-of-design/> 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. .... | 8 |
| 2012-0073 Elevator Control Rod in Vertical Fin - Inspection .....   | 8 |
| 2017-0167-E Front Electric Sustainer/Battery Pack - Modification .....  | 8 |
| * 2018-0143-E Towing Release Mechanism – Inspection .....   | 8 |

**DCA/GLAS/1B Rudder Cables - Inspection**

- Applicability:** All model 'Libelle' H301 and H301B  
All model 'Standard Libelle' 201, 201B and 203  
All model 'Kestrel'; all model 604 and BS-1.
- Requirement:** Inspect cables per Hansjorg Streifeneder (Glasflugel) TN 201-26, 301-33, 401-20 or 501-4 as applicable.  
(LBA AD 87-83 refers)
- Compliance:** At intervals not exceeding 100 hours TIS or 12 months, whichever is the sooner.
- Effective Date:** DCA/GLAS/1A - 7 March 1980  
DCA/GLAS/1B - 12 June 1987

**DCA/GLAS/2 Cancelled - DCA/GLIDER/7 refers****DCA/GLAS/4 Rudder Yoke Stops - Modification**

- Applicability:** Standard Libelle and Standard Libelle 201B.
- Requirement:** Modify per Glasflugel TN 201-15  
(LBA AD 73-80 refers)
- Compliance:** By 12 August 1974

**DCA/GLAS/5 Elevator Assembly Guides, Reinforcement - Inspection and Modification**

- Applicability:** All model Standard Libelle and Standard Libelle 201B. Club Libelle 205, all S/N prior to 107.
- Requirement:** Inspect and modify per Glasflugel TNs 201-20, 205-6.  
(LBA AD 75-168 refers)
- Compliance:** 1. Inspect in accordance with method 1 of the TN before further flight.  
2. Modify in accordance with method 4 before further flight if damage is found, but in any case not later than 29 February 1976.
- Effective Date:** 8 August 1975

**DCA/GLAS/6 Dive Brake Control - Modification and Inspection**

- Applicability:** Model 'Kestrel' S/N 25 through to 129.
- Requirement:** Modify and inspect per Glasflugel Directive 401-16.  
(Luftfahrt-Bundesamt AD 79-233 refers)
- Compliance:** Modification - By 31 March 1980.  
Inspection - At intervals not exceeding 12 months.
- Effective Date:** 7 March 1980

**DCA/GLAS/7 Elevator Control - Inspection and Modification**

- Applicability:** Standard Libelle and Standard Libelle 201B S/N 1 through to 476.
- Requirement:** Inspect and modify elevator linkage at base control column per Glasflugel TN 201-22.  
(Luftfahrt Bundesamt AD 80-207 refers)
- Compliance:** Inspection - Before further flight.  
Modification - By 30 November 1980.
- Effective Date:** 24 September 1980

**DCA/GLAS/8 Rudder Actuator - Modification**

- Applicability:** All model 'Kestrel'.
- Requirement:** Modify rudder gimbal drive rear actuator arm installation per Hansjorg Streifeneder (Glasflugel) TN 401-19. (LBA AD 86-221 refers)
- Compliance:** By 31 August 1987
- Effective Date:** 12 June 1987

**DCA/GLAS/9A Elevator Drive - Inspection and Modification**

- Applicability:** All model Club Libelle 205, Hornet, Hornet-C, Mosquito, Mosquito B, Glasflugel 304 and Glasflugel 304 B aircraft not fitted with reinforced elevator drive brackets.
- Requirement:** To prevent the possibility of in flight elevator control problems, accomplish the following:
1. Inspect the elevator drive bracket per Hansjorg Streifeneder (Glasflugel) Technical Notes 205-16, 206-12, 303-12 or 304-3 (as applicable).  
If any part is twisted out of line or cracked, replace per TNs 205-16, 206-12, 303-12 or 304-3 (as applicable), before further flight.
  2. Install reinforced elevator drive brackets per drawing no. 205-33-9 (Modification 2) and TNs 205-16, 206-12, 303-12 or 304-3 (as applicable).  
(LBA AD D-1988-028R1 refers)
- Compliance:**
1. Prior to the first flight of each day the glider is to be operated.
  2. By 30 May 2006, unless already accomplished.
- Effective Date:** DCA/GLAS/9 - 17 June 1988  
DCA/GLAS/9A - 23 February 2006

**DCA/GLAS/10 Canopy Mechanism - Inspection**

- Applicability:** Hornet S/N 45 through 84; Hornet C S/N 90 through 102; Mosquito S/N 1 through 77, 79 through 100 and 102; Mosquito B S/N 103 through 189 and 191 through 200.
- Requirement:** To detect wear of the mounting studs on the canopy lifting/tilting frame inspect per Hansjorg Streifeneder TN 206-16 or 303-18 as applicable. If necessary repair per the TN before further flight.  
(LBA AD 91-111 refers)
- Compliance:** By 31 March 1992
- Effective Date:** 30 August 1991

**DCA/GLAS/11 Service Life - Inspection and Limitation**

- Applicability:** All Standard Libelle 201 and standard Libelle 201B
- Requirement:** Implement inspection program per H Streifeneder TN 201-29. Any defects found must be rectified before further flight.  
(LBA AD 94-265 refers)
- Compliance:** At 6000 hours TTIS or by 1 February 1995, whichever is the sooner, until a maximum of 12,000 hours TTIS.
- Effective Date:** 23 December 1994

**DCA/GLAS/12 Wing Attachment Fittings - Inspection**

**Applicability:** All Standard Libelle, Standard Libelle 201B, Standard Libelle 203, H 301 Libelle, H 301 B, Club Libelle 205 and Hornet.

**Requirement:** To prevent separation of the laminate from the wing attachment fittings, ingress of water and corrosion, inspect and repair as necessary per Streifender TN 201-31, 301-36, 205-19 or 206-17 as applicable.  
(LBA ADs 96-131 and 96-132 refer)

**Compliance:** By 31 December 1996 and thereafter at intervals not to exceed 12 months.

**Effective Date:** 27 September 1996

**DCA/GLAS/13 Aileron Actuating Shaft - Inspection**

**Applicability:** All Standard Libelle, Standard Libelle 201B, and Standard Libelle 203.

**Requirement:** To prevent failure of the aileron control system, accomplish the following:-

1. Inspect per Streifender TN 201-33. If damage or cracks are found, repair per TN 201-33 before further flight.
2. Modify per Method 2 of TN 201-33.  
(LBA AD 96-116 refers)

**Compliance:**

1. By 27 October 1996
2. By 31 December 1996.

**Effective Date:** 27 September 1996

**DCA/GLAS/14 Elevator Mass Balance - Inspection**

**Applicability:** All Hornet C.

**Requirement:** To ensure the continuing airworthiness of the glider, inspect per Streifender TN 206-19 and rectify as necessary. Revise flight and service manual per TN 206-19.  
(LBA AD 1997-311/2 refers)

**Compliance:** At next annual inspection or by 1 December 1999, whichever is the sooner.

**Effective Date:** 12 March 1999

**DCA/GLAS/15 Service Life - Inspection and Limitation**

**Applicability:** All Glasflügel 304, Mosquito and Mosquito B

**Requirement:** Implement inspection program per H Streifeneder TN 303-22 or TN 304-9 as applicable. Any defects found must be rectified before further flight.  
(LBA AD 2000-318 refers)

**Compliance:** At 6000 hours TTIS or by 31 December 2000, whichever is the sooner, until a maximum of 12,000 hours TTIS.

**Effective Date:** 26 October 2000

**DCA/GLAS/16 Rudder Actuator Arm - Replacement**

**Applicability:** All Club Libelle 205, Hornet and Hornet C

**Requirement:** To prevent failure of the rudder actuator arm, replace it with an improved arm in accordance with TN 205-22 and 206-21.  
(LBA AD 2003-004 refers)

**Compliance:** By 31 May 2003

**Effective Date:** 27 February 2003

**DCA/GLAS/17 Rudder Actuator Arm - Replacement**

**Applicability:** All Mosquito, Mosquito B and Glasflugel 304.

**Requirement:** To prevent failure of the rudder actuator arm, replace it with an improved arm in accordance with TN 205-22 and 206-21.  
(LBA AD 2003-005 refers)

**Compliance:** By 31 May 2003

**Effective Date:** 27 February 2003

**DCA/GLAS/18 Airbrake Torque Tube - Inspection**

**Applicability:** All model 'Kestrel'.

**Requirement:** To prevent failure of the airbrake actuating mechanism, inspect the weld between the torque tube and actuating arm per Glasflugel TN 401-26. Cracked components must be replaced or repaired before further flight.

Insert Page 27d into the Flight and Service Handbook, this requires inspection of the airbrake actuating mechanism during each annual inspection.  
(LBA AD 2002-051 refers)

**Compliance:** Within 100 hours flying or 12 months whichever occurs first.

**Effective Date:** 24 June 2004

**DCA/GLAS/19 Water Ballast – AFM Amendment**

**Applicability:** All Model Mosquito and Mosquito B.

**Requirement:** To prevent damage to the wing structure caused by freezing of trapped water during high altitude flight, amend page 10 of the flight manual to include the following:

"During high altitude flight without water ballast, ensure the water dump valve is kept open".  
(LBA AD 84-11 refers)

**Compliance:** Before 31 July 2004

**Effective Date:** 24 June 2004

**DCA/GLAS/20 Rudder Actuator Arm - Replacement**

**Applicability:** All model 'Libelle' H301 and H301B.  
All model 'Standard Libelle' 201, 201B and 202.

**Requirement:** To prevent failure of the actuator arm caused by loads when regularly lifting the fuselage by the rudder, replace it with an improved arm per SB 201-35 and SB 301-39.  
(LBA AD D-2005-118 refers)

**Compliance:** By 31 July 2005

**Effective Date:** 28 April 2005

**DCA/GLAS/21 Elevator Control Rod – Inspection and Replacement**

**Applicability:** Model standard libelle 201b, S/N 169  
 Model Standard Libelle 203, all S/N  
 Model Club Libelle 205, all S/N  
 Model Hornet, all S/N except S/N 36  
 Model Hornet C, all S/N  
 Model Mosquito, all S/N  
 Model Mosquito B, all S/N  
 Model Glasflügel 304, all S/N  
 Model Kestrel, all S/N, except S/N 85, 110 and 125  
 Model Glasflügel 604, all S/N  
 Model BS 1, all S/N

**Requirement:** To prevent failure of the elevator control rod which could result in loss of aircraft control, accomplish the following:

1. For all affected gliders except Kestrel S/N 76 and 116, except Mosquito B, S/N 144, except Glasflügel 304, S/N 241 and 245, and except Standard Libelle 203, S/N 1:

Inspect the elevator control rod in the vertical fin per the instructions in action 1 of Glasfaser Flugzeug-Service TN 201-40, TN 205-27, TN 206-26, TN 303-25, TN304-12, TN 401-30, TN 501-10 or TN 604-11 as applicable to the glider model.

If any defects are found, replace the elevator control rod with an improved part per the instructions in actions 2, 3 and 4 in Glasfaser Flugzeug-Service TN 201-40, TN 205-27, TN 206-26, TN 303-25, TN304-12, TN 401-30, TN 501-10 or TN 604-11 as applicable to the glider model.

2. Replace the elevator control rod in the vertical fin with an improved part per the instructions in actions 2, 3 and 4 of Glasfaser Flugzeug-Service TN 201-40, TN 205-27, TN 206-26, TN 303-25, TN304-12, TN 401-30, TN 501-10 or TN 604-11 as applicable to the glider model.
3. An affected elevator control rod with a control bore hole shall not be fitted to any aircraft.

**Note:** Glasfaser Flugzeug-Service GmbH Technical Note TN 201-40, TN 205-27, TN 206-26, TN 303-25, TN 304-12, TN 401-30, TN 501-10, TN 604-11 revision 1, dated 13 October 2011 and later approved revisions of these document are acceptable to comply with the requirements of this AD.

(EASA AD 2011-0213R1 refers)

- Compliance:**
1. By 8 January 2012 unless previously accomplished.
  2. For gliders fitted with a rubber bellows on the top of the vertical stabiliser:  
 By 8 March 2012.  
For gliders not fitted with a rubber bellows on the top of the vertical stabiliser:  
 By 8 February 2013.
  3. From 8 December 2011.

**Effective Date:** 8 December 2011

From 1 October 2012 the Civil Aviation Authority of New Zealand (CAA) will no longer rewrite the text of State of Design ADs. Applicable State of Design ADs will be listed below and you can obtain them directly from the National Airworthiness Authority (NAA) web sites. Links to the NAA web sites are available on the CAA web site at

<http://www.caa.govt.nz/airworthiness-directives/states-of-design/>

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.

**2012-0073 Elevator Control Rod in Vertical Fin - Inspection**

**Applicability:** Model 304 CZ, 304 CZ-17 and 304 C 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 FAA AD.

**Effective Date:** 28 September 2017

**2017-0167-E Front Electric Sustainer/Battery Pack - Modification**

**Applicability:** Model 304 eS powered gliders, all S/N.

**Effective Date:** 28 September 2017

**\* 2018-0143-E Towing Release Mechanism – Inspection**

**Applicability:** H 301 "Libelle", H 301 B, Standard Libelle, Standard Libelle 201 B, Standard Libelle 203, Glasflügel 604, BS 1, Kestrel, Club Libelle 205, Hornet, Hornet C, Mosquito, Mosquito B and Glasflügel 304 gliders, all S/N fitted with a centre of gravity (C.G.) towing release mechanism.

**Effective Date:** 11 July 2018