

Scheibe (Germany)

| Status | Subject | Detail | Reference information | TNS |
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New type certificate holder for all aircraft except SF 23.34 & 36.

EASA, LBA and CAA Airworthiness Directives

SF24

| | | | | |
|---|--------------------|--|-------------------------|--------|
| | Flexible hose life | | TM 653-28/4 | 10/98 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Hirth F10 engine | Operational and maintenance instructions | AD 69-142 | |
| M | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |

SF 25 series

General, LBA Airworthiness Directives listed in CAA Foreign Airworthiness Directives Vol. III.

| | | | | |
|---|----------------------------|---|-----------------------------|-------|
| I | Horizontal Stabiliser | Flutter | AD 1966-119 | |
| I | Unleaded MOGAS approval | (Limbach L1700 & 2000) | TN 653-66 | 12/96 |
| I | SF-25/T-61 tailplane | front attachment cracked | TI 102 | 04/90 |
| M | SF-25 carb heat system | introduced, mandatory (CAA) | Mod 134 | 08/87 |
| M | Fuel shut off valve NK 490 | fitted in place of Truma V8M | SB 653-70 | 02/98 |
| I | Flexible hose life | | TM 653-28/4 etc | 10/98 |
| M | Engine mounting (Stamo) | Cracks in lower mount bolts SF25B S/N 4601>46174. | AD 71-131, TB 2/71, Mod 120 | |
| M | Engine mount | Cracks in bolts | AD1971-144 | |

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BGA Compendium [01/12](#)

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|--------|-----------------------------------|---|--------------------------------|---------------|
| M | Luggage compartment | Securing of luggage S/N 4601 > | AD 72-107, Mod 132 | |
| M | Carburettor heater | Installation | AD 73-15, Mod 133 | |
| M | Ignition Switch | New type SF25B S/N 4601>46253 & 4801 >4828 SF25C S/N 4401>4448 | AD 73-23, Mod 4 & 134 | |
| M | Ailerons | Bellcrank replacement SF25A | AD 74-54 | |
| M | Flight control cables | Inspection of cable sleeves | AD 74-323 | |
| M | Electrical system | Installation of smoothing capacitor SF25B & C with Dittel radio FSG-12, -15 or -16 | AD 75-91/2 | |
| M | Aileron drive lever | Inspection / reinforcement SF25B & SF25C | AD 75-169/2, TI 653-5/75 | 04/76 |
| M | Fuel Quantity indication | Incorrect indication SF25B S/N 4601>46258 & 4801>4868 SF25C S/N 4401>44133 & 4201>4252. | AD 76-40, TN 653-1/76 | 04/76 |
| M | Fuel filler | Inspection SF25A all & SF25B S/N 4601>4645 | AD 76-297, TN 653-6/76 | |
| M | Elevator support | Inspection SF25B S/N 4801>4868 & SF25C S/N 4201>4255 | AD 77-217, Sportavia TMS-02-77 | 09/77 |
| M | Stabiliser/Tailplane Fwd Armature | Inspection SF25A,B,C,D,E & K | AD 82-049, TN 653-40 | |
| M | Fuel SOV | Life limitation SF25B,C,D,E & K | AD 82-50/2, TN 653-41 | 02/90 |
| M | Wing | Main wing joint SF25B,C,D & E | AD 82-134/2 | 09/82 |
| M | Flight controls | Bearings in control stick SF25C,E & K | AD 1984-198/2, TN 653-47 | 02/85 & 04/00 |
| M | Flight controls | Inspection of airbrake pulley SF25A,B,C,D,E & K. Working instruction 653-62-142/770-18-142 | AD 94-261, SB 653-62/770-18 | 10/94 |
| M | Fuel SOV | TRUMA V8 valves | AD 97-140, SB 653-67 | 08/97 & 02/98 |
| M | Flight Controls | Cracks in aileron steel pipe spar SF25B & C | AD 1999-340, SB 653-73 | 02/00 |
| M | Wing centre joint | Additional limitations | CAA AD 001-07-82, TI 103/T61 | 07/82 |
| M | Flight manual (Rotax C) | Corrections and revisions | AD2003-160, SB653-76 | 06/03 |
| M | Controls | L'Hotellier ball & socket with lock plates | AD 1993-001/3 | |
| M | Controls | L'Hotellier ball & socket with locking cams | AD 1994-001/2 | |
| R | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |
| M | Flight controls | Elevator and tab drive arm | AD 2009-0132, TN 653-91 | 3/2009 |
| M | Flight controls | Aileron and tail plane attachment rivets | AD 2010-0011-E, SB 653-64 | 1-2010 |

SF25 Series In Service Reports (Advisory)

| | | | | |
|---|--------------------------------|------------------|--|-------|
| I | SF-25/T-61 elevator tab cables | wire lock at tab | | 06/73 |
|---|--------------------------------|------------------|--|-------|

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BGA Compendium [01/12](#)

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| Status | Subject | Detail | Reference information | TNS |
|--------|-------------------------------------|---|-----------------------|---------------|
| I | Longerons corroded at fin post | adjacent to microballoon filler | | 01/75 |
| R | Wheel assembly bolt failures | fit larger (8mm) bolts | | 11/77 |
| I | SF-25/T-61 compass errors | magnetised canopy frame | | 12/79 |
| I | Spar deterioration | water in spoiler boxes | | 06/95 & 12/80 |
| R | SF-25/T-61 wing main pin holes | worn & splayed oval | | 12/80 |
| I | T-61 ignition switch "live" | test | | 12/85 |
| I | Crank case cracks | numerous cases - inspect regularly | | 02/87 |
| I | SF-25 fuel flow restriction | filter incorrectly installed | | 06/90 |
| R | Top harness attachments | secure to transverse tube | | 01/93 |
| R | Rear exhaust valve burning | Limbach improved cooling kit | | 01/93 |
| I | Tubing on fuel gauges | hardens and leaks | | 06/95 |
| I | T-61 magneto to crankshaft coupling | failure of type without reinforcing ring | | 06/96 |
| I | Rear fuselage structure corrosion | near fin attachments | | 02/99 |
| I | Aileron drive bearing failure | central hanger upper bearing between sticks | | 04/99 |
| I | Tailplane front mount | cracked through inspect for cracks and poor welds | | 08/99 |
| I | Throttle cable disconnected | check security at carburettor connection | | 10/99 |
| I | Elevator tab rigging | Incorrect connection of elevator tab operating cable | | 6-2006 |
| I | Flight Manuals | Due to EASA type approval all SF25 require flight manuals | | 2-2008 |

SF-26A

| | | | | |
|---|--------------------|--|--------------------------|--------|
| | Spar deterioration | water penetration | | 10/74 |
| | Top rudder hinge | cracks/failure | | 08/79 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Flying Controls | Inspection of aileron bellcrank for cracks | AD75-270, TN 232-1/75 | |
| M | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |
| M | Flight controls | Elevator and tab drive arm | AD 2009-0132, TN 232-241 | 3/2009 |

SF-26 In Service Reports (Advisory)

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|---|--------|--|--|--------|
| I | Rudder | Unsatisfactory repair found on rudder bell crank | | 6-2011 |
|---|--------|--|--|--------|

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| <u>SF-27A & M</u> | | | | |
| M | Elevator actuating lever | cracks at weld | TN 257 | 01/74 |
| M | Elevator torque tube | reinforce at weld | AD 75-48, TN 257-1/74 | 06/75 |
| | Top rudder hinge | cracked | | 02/92 |
| | Flexible hose life | | TM 653-28/4 etc | 10/98 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| R | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |
| | | | | |
| <u>SF-28A Tandem Falke</u> | | | | |
| M | Main wing pin | correct locking | LTO 345 & 508, AD 82-135/2 | 12/80 & 04/95 |
| M | Flight controls | Inspection of airbrake pulley Working instruction 653-62-142/770-18-142 | AD 94-261, SB 653-62/770-18 | |
| M | Unleaded MOGAS approval | (Limbach L1700 & 2000) | TN 770-19 | 12/96 |
| M | Fuel shut off valve Truma V8M | 8 year (seals) life limitation | AD 97-140, SB 770-20 | 08/97 |
| | Fuel shut off valve NK 490 | fitted in place of Truma V8M | AD82-51/2, SB 770-13/2 | 02/98 |
| | Flexible hose life | | TM 653-28/4 etc | 10/98 |
| M | Elevator/aileron drive cracks | reinforce before next flight | AD 1998-435, SB 770-23 | 12/98 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Flying controls | Inspection of rear control stick | AD81-237, TN770-12 | |
| M | Electrical system | Installation of smoothing capacitor with Dittel radio FSG-12, -15 or -16 | AD 75-91 | |
| M | Wing centre pin | Inspection | CAA AD 003-06-82 | |
| M | Wing centre joint | Additional limitations | CAA AD 001-07-82, TI 103/T61 | |
| M | Flight Controls | Cracks on the aileron/elevator bell crank | AD1998-435 | |
| M | Controls | L'Hotellier ball & socket with lock plates | AD 1993-001/3 | |
| M | Controls | L'Hotellier ball & socket with locking cams | AD 1994-001/2 | |
| M | Controls | Spoilers in the wing | AD1988-030 | |
| M | Electrical system | Safety device | AD1975-091/2 | |

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| R | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |
| R | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |
| M | Flight controls | Elevator and tab drive arm | AD 2009-0132, TN 770-30 | 3/2009 |
| <u>SF-34</u> | | | | |
| M | Wing root rib | modification SF34 & 34B S/N 5102>5131 | AD 89-73, TN 336-2(supersedes AD 88-162/2) | 10/89 |
| M | Spin recovery improved | Aft C of G limit 2367 mm | AD 96-241, TN 336-8 | ??/96 |
| | Rear fuselage frame disbonded | inspect for bond failure (causes fin/TP flutter) | | 08/98 |
| M | Fuselage inspection (SF34, SF34B) | Inspection of aft fuselage and flight restrictions | BGA 001/05/2000 iss1 | 08/00 |
| M | Fuselage inspection | Inspection of aft fuselage and lifting of LBA flight restrictions (BGA restrictions remain) | AD 2000-299, SB 336-9 | 10/00 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Flight controls | Rear control stick inspection | AD 2002-044, TB 336-10 | 02/02 |
| <u>MÜ-13E Bergfalke (1)</u> | | | | |
| M | Spar deterioration | reduction of span | AD 75-42 | 04/75 |
| M | CG hook mounting | cracks caused by loose bolts | AD 79-501, TN 104-15 | 02/80 |
| M | Elevator & airbrake connection "bolts" | replace with new "bolts" in aircraft material | TN 104-18 | 08/85 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |
| M | Flight controls | Elevator and tab drive arm | AD 2009-0132, TN 104-24 | 3/2009 |
| <u>Bergfalke II, II-55, III and IV</u> | | | | |
| | CG hook mounting (Berg III only) | cracks caused by loose bolts | TN 104-2/76 | 02/77 |
| M | CG hook mounting (all) | cracks caused by loose bolts | AD 79-501, TN 104-15 | 02/80 |
| | Spar deterioration | water in brake box | | 05/79 |
| M | Main wing pin | not fully through lower spar lugs, safety pin hole too low down | TN 104-17 | 02/85 |

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| M | Elevator & airbrake connection | “bolts” replace with new “bolts” in aircraft material | TN 104-18 | 08/85 |
| | Tailplane at front attachment | damaged by water - inspect in depth | | 08/86 |
| | Speed brake lever | in centre section cracked – reinforce | | 10/89 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |

Zugvogel III A & B

| | | | | |
|---|--------------------|--|-------------------------|--------|
| | Elevator hinge pin | sheared at the weld | | 06/92 |
| M | Control cables | Inspection/replacement of cable sleeves | AD74-323 | |
| M | Wooden Structure | BGA Inspection of wooden structures using Kaurite glue and 5 year repeat | BGA 047/02/2006 issue 1 | 1-2006 |