

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	
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	10/98
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.

	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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Status	Subject	Detail	Reference information	TNS
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

SF25 Series In Service Reports (Advisory)

I	SF-25/T-61 elevator tab cables	wire lock at tab		06/73
I	Longerons corroded at fin post	adjacent to microballoon filler		01/75
R	Wheel assembly bolt failures	fit larger (8mm) bolts		11/77

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Status	Subject	Detail	Reference information	TNS
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

SF-27A & 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

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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 Fuel shut off valve Truma V8M Fuel shut off valve NK 490 Flexible hose life	(Limbach L1700 & 2000) 8 year (seals) life limitation fitted in place of Truma V8M	TN 770-19 AD 97-140, SB 770-20 AD82-51/2, SB 770-13/2 TM 653-28/4 etc	12/96 08/97 02/98 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	
R	Wooden Structure	BGA Inspection of wooden structures using Kaurite glue and 5 year repeat	BGA 047/02/2006 issue 1	1-2006
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Status	Subject	Detail	Reference information	TNS
<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
<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
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

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<u>Zugvogel III A & B</u>				
	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