

DG – LS (Rolladen-Schneider) (Germany)

Status	Subject	Detail	Reference information	TNS
Contact: UK Agent Martyn Wells 017890266265				
LBA Airworthiness Directives				
<u>LS-1 series</u>				
M	Ailerons	Improved venting	AD 71-45, TM 2	
M	Flight manual	Winch amendment	AD 72-138, TM 15	
M	Wings	Attachment bolts	AD 74-70, TM 20	
M	Ailerons	Clearance inspection	AD 74-96	
M	TP fitted upside-down	modify to make this impossible	AD 77-155	07/77
M	Trim	Wear of guide rod	AD 78-162, TB 34	
M	Release cable corrosion in conduit	inspect & replace if corroded	AD 78-163, TN 35	09/78
M	Inspection hole cover	Inspection	AD 78-290, TB36	
M	Rudder hinge washer not located	rudder becomes disengaged	AD 78-203	01/79
M	Rudder/elevator/aileron bearings	inspect for missing washers	AD 79-44	03/79
M	Elevator flutter prevention	replace spring	AD 79-109, TB 38	06/80
M	Bonding lead to hook	damage by u/c reposition if necessary	AD 81-112, TB 41	07/81
M	L'Hotellier connectors	annual inspections	AD 93-001/3, TB 56 & AD 93-155, TB 52	08/98 & 04/93 10/93
M	Increase in service life	to 12 000 hours	AD 1982-184/2, TB 40A	02/00
O	Nose hook	Optional installation	TB58	04/02
<u>LS1 In Service Reports Advisory</u>				
	Trim spring failure	at lever		08/80
	Elevator flutter	backlash tolerance, Flight Manual		04/84
	Loose wing root rib pins	inspection		06/88
	Bent aileron push rod	jammed in root rib (USA)		12/90

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<u>LS-3 series</u>				
M	Flight manual	Revision	AD 77-257, TM 3002-1	
M	Release cable corrosion in conduit	inspect & replace if corroded	AD 78-163, TN 3007	09/78
M	Elevator flutter prevention	replace spring	AD 79-109, TB 3013	06/80
M	Bonding lead to hook	damage by u/c reposition if necessary	AD 81-112, TB 3026	07/81
M	Flight & MM	Amendments	AD 82-215, TB 3029	
M	Trim weight	Attachment crack inspection	AD 82-214, TB 3033	
M	Wheel brake lever on hub	reposition	AD 83-118, TB 3036	08/83
M	L'Hotellier connectors	annual inspections	AD 93-001/3, AD 93-155, TB 3042	08/98, 04/93 & 10/93
M	Nose weight mounting bracket	replace with new version new part number 4R8-19C	AD 93-083, TB 3040	04/93 & 06/93
M	Front elevator mounting bracket	not secure in fin	AD 93-155, TB 3043	10/93
M	Landing gear system nuts	tighten to correct torque	AD 93-157, TB 3045	10/93
M	Air brake drive at wing root	replace 6 mm studs with 8 mm	AD 93-156, TB 3044	10/93
M	Flap Drive Springs	replace	AD 95-410	12/95
M	Air brakes	Requires action to prevent jamming air brakes.	AD 2000-085, TB3051	04/00
M	manual amendment	Flight and MM amendments	AD 2001-331, TB3050	10/01
O	Tow hook	Additional nose hook installation	TB3052	10/01
O	Tail wheel	Optional installation	TB 3047	04/02

LS3 In Service Reports - Advisory

	Trim spring failure	inspect annually		08/80
	Canopy jettison	jammed by long instruments		05/81
	Wing root pins become loose	inspect and repair if necessary		06/88
	Upper airbrake paddle	may foul control rod bolt file clearance if necessary		12/86
	Flying controls	Elevator control rod upper connector bold wrong way round fouling elevator		04/05
	Flying controls	Elevator connector ball race failed		04/05

LS-4 series

M	Bonding lead to hook	damage by u/c drive reposition if necessary	AD 81-112, TB 4004	07/81
M	Air brakes won't retract above 108 Kts	enlarge cut-out in top blade	AD 81-113, TB 4005	07/81

Page 2

BGA Compendium [01/11](#)

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Status	Subject	Detail	Reference information	TNS
M	Trim weight	Attachment crack inspection	AD 82-214, TB 4010	
M	Possible jamming of airbrakes	fit open stop in cockpit	AD 83-158, TB 4020	04/85
M	Wheel brake lever on hub	reposition	AD 83-118, TB 4019	08/83
M	Tost G88 (C of G) and E85 (nose) hooks	introduction	TB 4030	02/90
M	Nose weight mounting bracket	replace with new version new part number 4R8-19C	AD 93-083, TB 4033	04/93 & 06/93
M	L'Hotellier connectors	annual inspections	AD 93-001	04/93
M	Landing gear system nuts	tighten to correct torque	AD 93-157, TB 4036	10/93
M	Front elevator mounting bracket	not secure in fin	AD 93-155, TB 4035	10/93
M	Extension of service life	to 12 000 hours inspections after 3000 hours	AD 87-254/2, TB 4027a	08/97
M	Airbrake operating levers in fuselage	cracks in over-centre push-rods	AD 1999-270, TB 4042	08/99
M	Air brakes	Requires action to prevent jamming air brakes.	AD 2000-076, TB4043	04/00
O	Tail wheel	Optional installation	TB4037	04/02
M	Service life and amendments	Life extended to 12,000 hrs and manual amendments	AD D 2004-001, TB 4046	02/04

LS4 In Service Reports Advisory

Seat adjusting cable collet	may foul airbrake lever bend seat support tube as necessary	12/82
Wing root pins become loose	inspect and repair if necessary	06/88
U/C gas strut	load 12-15 Kg at U/C joint	
Rudder pedal/canopy support structure	cracks in fore & aft square tube	04/99
Landing gear	Undercarriage collapse due to failed rod end in folding mech.	5-2006
Canopy support	Broken weld at attachment to rudder pedal structure	4-2008

LS-6 series

M	Air brake stops	interference between airbrake and flap controls	AD 89-60	08/89
M	Hydraulic damper introduced	(LS 6A) VNE restriction lifted	AD 86-140, TB 6010, TB6011	04/88
M	Weight and balance revised	and trim position indicator fitted	TB 6015	10/88
M	Rudder pedal adjustment	cable jam inspect & modify as necessary	AD 91-110, TB 6022	06/91
M	L'Hotellier connectors	(LS6 & 6B only) annual inspections	AD 93-001/3 & 155	04/93 & 10/93
M	Flight Manual	(LS-6C) speed amendments		04/93
M	Air brakes	Requires action to prevent jamming air brakes.	TB3051	04/00
M	Flight controls	Jamming of air brakes in extended position	AD2000-082, TB6037	02/01

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Status	Subject	Detail	Reference information	TNS
M	Service life	Extension of service time and MM revision	AD2001-110, TB6035	04/01
M	Canopy jettison	Obstruction of emergency canopy jettison	AD1999-266/2, TB6036/2	04/01
O	Tow hook	Additional nose hook installation	TB6040	10/01
M	U/C gas strut	replace with aluminium bar mandatory for safe operation	TB 6012	04/88
R	Flying controls	Inspection for missing nuts on elevator rear bell crank	BGA 039/01/2004 issue 1	02/04
LS6 In Service Reports Advisory				
	Upper rudder hinge	limit of radial play 0,5 mm	TB 6017	10/88
	Lower rudder hinge	retaining nut lose		02/92
	Lower air brake paddle mount	cracks		02/94
	Airbrakes jamming	(LS-6C) trim brake cap		02/95
 <u>LS-7 series</u>				
M	Rudder pedal adjustment	cable jam inspect & modify as necessary	AD 91-110, TB 7003	06/91
M	Aileron missrigging	enlarge fuselage cut-out	AD 91-172, TB 7004	12/91
M	Canopy jettison	Obstruction of emergency canopy jettison	AD1999-267/2, TB7011/2	04/01
M	Flight controls	Jamming of air brakes	AD 2000-083, TB 7013	
M	Service life	Extension at 3000 hrs	AD 2002-043, TB 7015	02/02
R	Flying controls	Inspection for missing nuts on elevator rear bell crank	BGA 039/01/2004 issue 1	02/04
 LS7 In Service Reports Advisory				
None				
 <u>LS-8 series</u>				
O	LS8-18	Structural modifications during manufacture	TB8001	
O	LS8 to LS8-18	Wing tip modifications only if TB8001 complied with.	TB8002	
M	Canopy jettison	Obstruction of emergency canopy jettison	AD1999-268/2, TB8004/2	04/01
M	Wing Air brake levers	Check for corrosion and jamming	AD2000-084, TB8005	

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Status	Subject	Detail	Reference information	TNS
M	Water ballast	Water ballast drain tubes modification	AD 2000-86, TB 8006/2	04/00
M	Manual revision	Flight and MM revisions	AD2000-067, TB8007	
I	Maintenance manual	English version available	TB8008	
R	Flight manual	Correction – water tank filling sequence	TB8009	
M	Service life	Increase of service life after inspections	AD2001-200, TB8010	08/01
M	Airworthiness Directives	Accomplishment list (included in compendium)		08/01
M	Flight and Maint. Manual	Re-issued (FM rev 1, MM rev 2)	AD 2002-082, TB8011	04/02
R	Flying controls	Inspection for missing nuts on elevator rear bell crank	BGA 039/01/2004 issue 1	02/04
	LS8 In Service Reports Advisory			
	Rudder travel restriction	cable conduits loose in fin - secure by gluing		04/99
R	Canopy Jettison	T bar welds fouling on slot sides. Check clearance		02/03